

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051116\  
 Data File : BG021859.D  
 Acq On : 12 May 2016 1:01  
 Operator : UM/SJ  
 Sample : H2936-05MS  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 D9WF4MS

Manual Integrations  
 APPROVED

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 5/12/2016 7:27:12 PM

Quant Time: May 12 09:13:51 2016  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG050916.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu May 12 07:33:29 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.18  | 152  | 77147    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.00 | 136  | 364551   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.81 | 164  | 222844   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.55 | 188  | 500857   | 20.00 | ng/ul | 0.00     |
| 76) Chrysene-d12          | 21.84 | 240  | 481350   | 20.00 | ng/ul | 0.00     |
| 84) Perylene-d12          | 25.19 | 264  | 486752   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.57  | 96  | 4723    | 2.96  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.33  | 99  | 104514  | 18.26 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.50  | 67  | 58055   | 20.45 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.71  | 132 | 102153  | 22.99 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.88  | 113 | 65576   | 13.64 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.35  | 128 | 53525   | 22.33 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.08 | 143 | 54180   | 35.79 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.62 | 165 | 99336   | 23.21 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.14 | 131 | 70729   | 15.34 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 14.20 | 166 | 345239  | 22.06 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.50 | 160 | 472215  | 21.25 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.99 | 143 | 36590m  | 13.64 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.79 | 176 | 337714  | 20.49 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.91 | 200 | 41964   | 30.25 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.65 | 188 | 494003  | 20.26 | ng/ul | 0.00 |
| 77) Pyrene-d10                 | 19.92 | 212 | 514581m | 22.84 | ng/ul | 0.00 |
| 88) Benzo(a)pyrene-d12         | 24.95 | 264 | 482489  | 20.86 | ng/ul | 0.01 |

## Target Compounds

|                                |       |     |         |       | Ovalue |    |
|--------------------------------|-------|-----|---------|-------|--------|----|
| 6) Phenol                      | 7.36  | 94  | 105031  | 17.25 | ng/ul# | 72 |
| 10) 2-Chlorophenol             | 7.74  | 128 | 100521  | 22.44 | ng/ul# | 77 |
| 15) N-Nitroso-di-n-propylamine | 8.98  | 70  | 67757   | 18.93 | ng/ul# | 76 |
| 28) Naphthalene                | 11.05 | 128 | 19430   | 1.06  | ng/ul  | 95 |
| 33) 4-Chloro-3-methylphenol    | 12.26 | 107 | 96311   | 21.84 | ng/ul# | 68 |
| 34) 2-Methylnaphthalene        | 12.64 | 142 | 16247   | 1.21  | ng/ul  | 90 |
| 35) 1-Methylnaphthalene        | 12.86 | 142 | 14443   | 1.08  | ng/ul# | 92 |
| 45) Dimethylphthalate          | 14.25 | 163 | 67179   | 4.21  | ng/ul  | 99 |
| 50) Acenaphthene               | 14.87 | 153 | 328092  | 20.74 | ng/ul  | 99 |
| 53) 4-Nitrophenol              | 15.01 | 109 | 18752m  | 15.34 | ng/ul  |    |
| 55) 2,4-Dinitrotoluene         | 15.16 | 165 | 106486  | 24.45 | ng/ul# | 56 |
| 57) Diethylphthalate           | 15.61 | 149 | 18644   | 1.20  | ng/ul  | 98 |
| 69) Pentachlorophenol          | 17.19 | 266 | 67707   | 29.33 | ng/ul  | 93 |
| 70) Phenanthrene               | 17.59 | 178 | 141030  | 5.15  | ng/ul  | 99 |
| 74) Di-n-butylphthalate        | 18.49 | 149 | 37559   | 1.71  | ng/ul# | 97 |
| 75) Fluoranthene               | 19.59 | 202 | 305599  | 9.82  | ng/ul  | 95 |
| 78) Pyrene                     | 19.95 | 202 | 871348m | 31.29 | ng/ul  |    |
| 79) Butylbenzylphthalate       | 20.82 | 149 | 17760   | 2.88  | ng/ul# | 83 |
| 81) Benzo(a)anthracene         | 21.82 | 228 | 142961  | 5.34  | ng/ul  | 96 |
| 82) Bis(2-ethylhexyl)phthalate | 21.70 | 149 | 74772   | 7.44  | ng/ul  | 96 |
| 83) Chrysene                   | 21.89 | 228 | 169131  | 6.38  | ng/ul  | 97 |
| 86) Benzo(b)fluoranthene       | 24.12 | 252 | 250738  | 9.00  | ng/ul# | 92 |
| 87) Benzo(k)fluoranthene       | 24.17 | 252 | 93958m  | 3.15  | ng/ul  |    |

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Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
D9WF4MS

Manual Integrations  
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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG050916.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu May 12 07:33:29 2016  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units  | Dev(Min) |
|----------------------------|-------|------|----------|------|--------|----------|
| 89) Benzo(a)pyrene         | 25.02 | 252  | 144174   | 5.20 | ng/ul# | 92       |
| 90) Indeno(1,2,3-cd)pyrene | 29.03 | 276  | 107142   | 3.26 | ng/ul# | 93       |
| 91) Dibenzo(a,h)anthracene | 29.06 | 278  | 30546m   | 1.12 | ng/ul  |          |
| 92) Benzo(g,h,i)perylene   | 30.20 | 276  | 88741m   | 3.27 | ng/ul  |          |

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

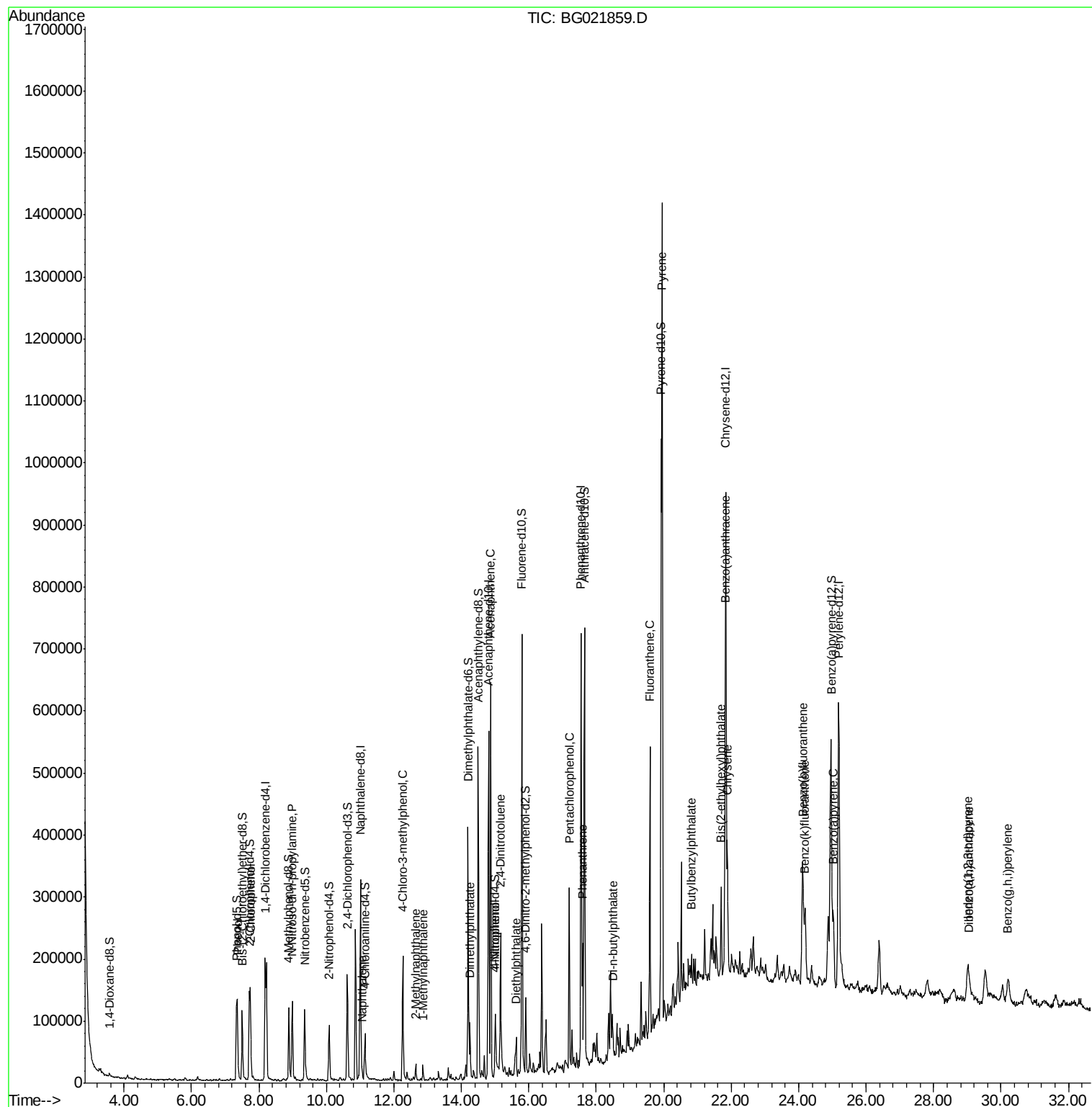
Data Path : Z:\HPCHEM1\BNA G\DATA\BG051116\  
Data File : BG021859.D  
Acq On : 12 May 2016 1:01  
Operator : UM/SJ  
Sample : H2936-05MS  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

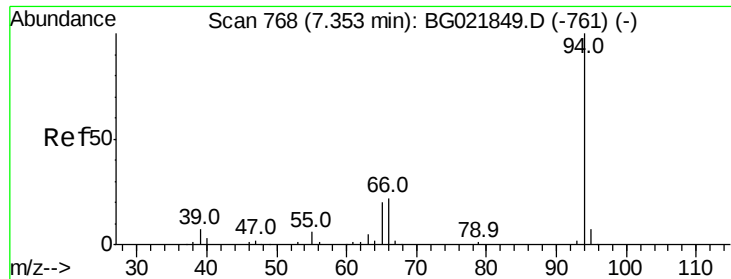
Instrument :  
BNA\_G  
ClientSampleId :  
D9WF4MS

Manual Integrations  
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Quant Time: May 12 09:13:51 2016  
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Response via : Initial Calibration





#6

Phenol

Concen: 17.25 ng/ul

RT: 7.36 min Scan# 770

Delta R.T. 0.01 min

Lab File: BG021859.D

Acq: 12 May 2016 1:01

Instrument :

BNA\_G

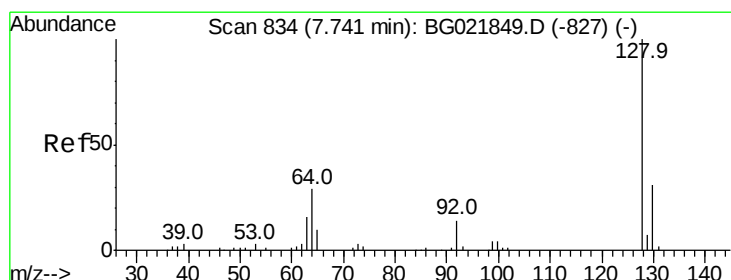
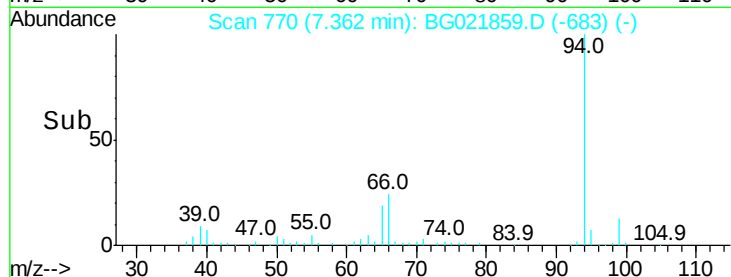
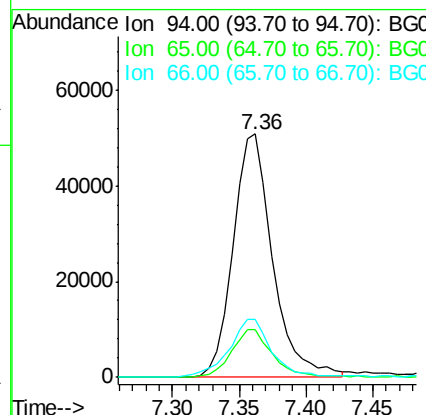
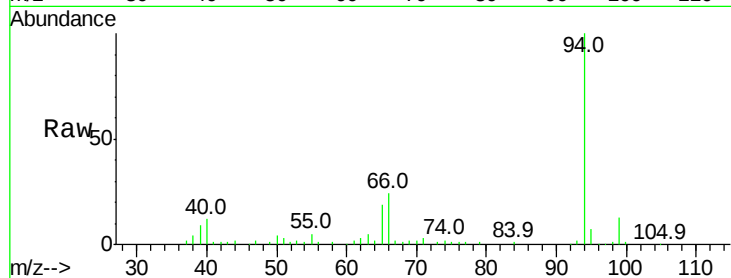
ClientSampleId :

D9WF4MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 94    | Resp: | 105031 |
| Ion Ratio | Lower | Upper |        |
| 94        | 100   |       |        |
| 65        | 19.4  | 26.1  | 39.1#  |
| 66        | 23.8  | 35.0  | 52.4#  |

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#10

2-Chlorophenol

Concen: 22.44 ng/ul

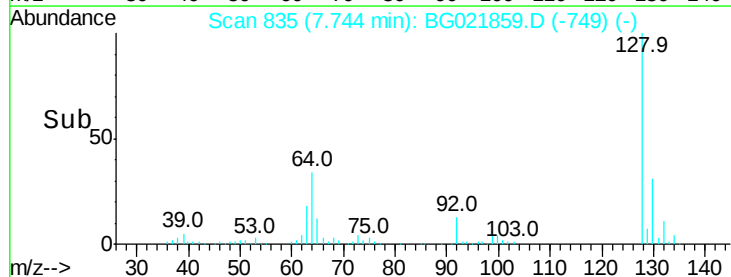
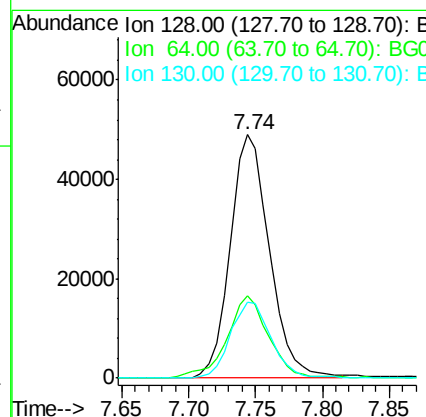
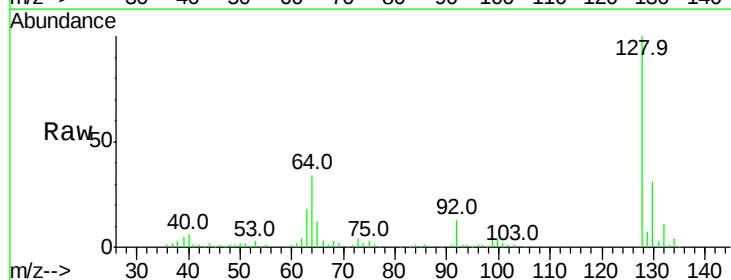
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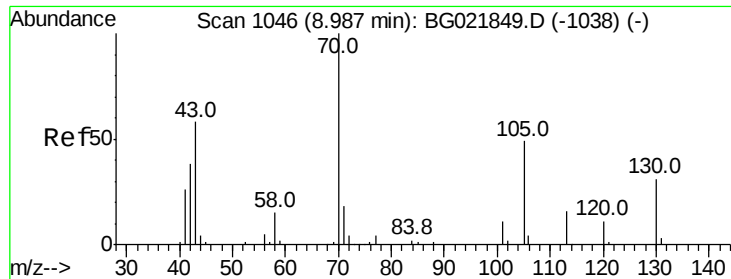
Delta R.T. 0.00 min

Lab File: BG021859.D

Acq: 12 May 2016 1:01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 128   | Resp: | 100521 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 64        | 33.7  | 47.0  | 70.6#  |
| 130       | 31.1  | 27.8  | 41.6   |





#15

N-Nitroso-di-n-propylamine

Concen: 18.93 ng/ul

RT: 8.98 min Scan# 1046

Delta R.T. -0.00 min

Lab File: BG021859.D

Acq: 12 May 2016 1:01

Instrument :

BNA\_G

ClientSampled :

D9WF4MS

Tot Ion: 70 Resp: 67757  
Ion Ratio Lower Upper

70 100

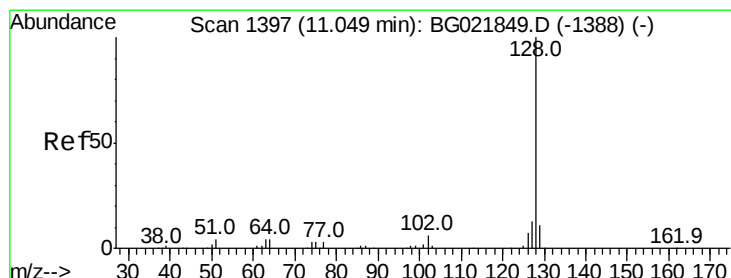
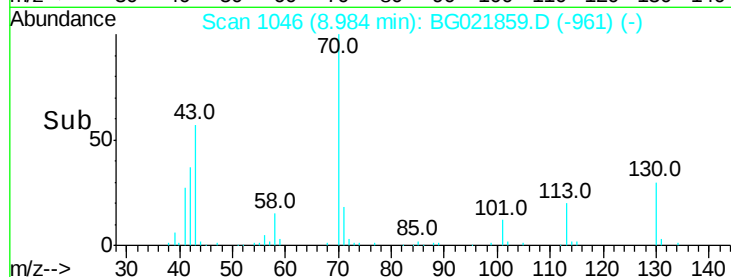
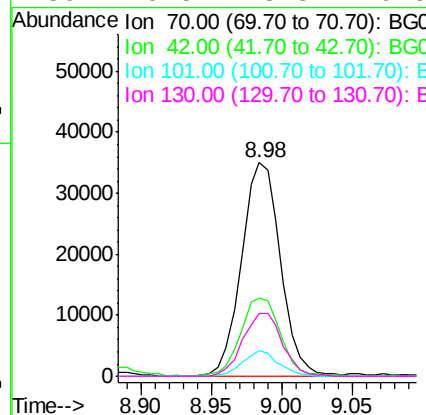
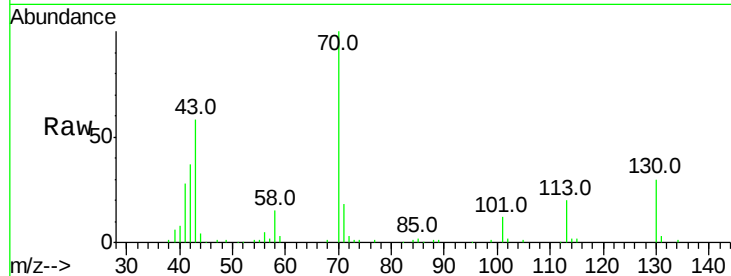
42 36.7 43.4 65.0#

101 12.0 6.5 9.7#

130 29.5 13.8 20.6#

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#28

Naphthalene

Concen: 1.06 ng/ul

RT: 11.05 min Scan# 1398

Delta R.T. 0.00 min

Lab File: BG021859.D

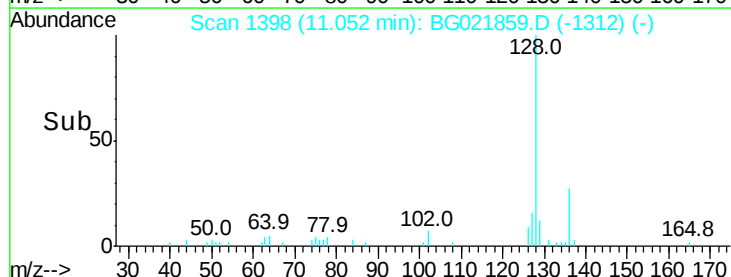
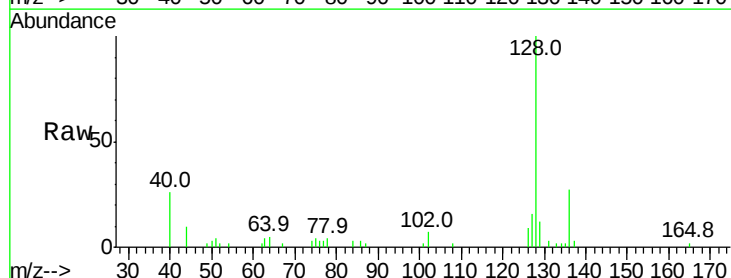
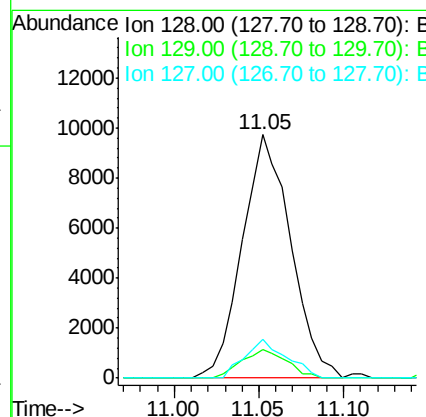
Acq: 12 May 2016 1:01

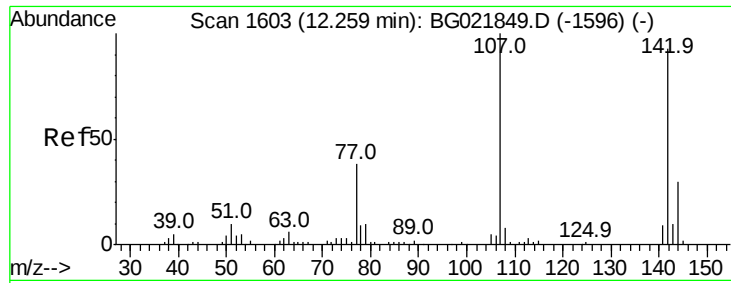
Tgt Ion: 128 Resp: 19430  
Ion Ratio Lower Upper

128 100

129 11.8 8.3 12.5

127 15.9 10.8 16.2





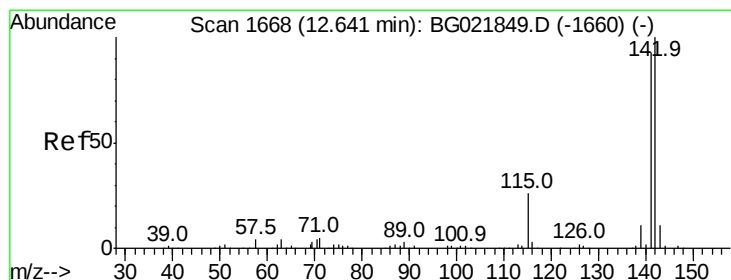
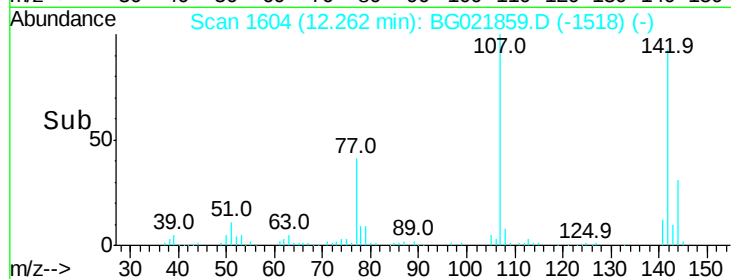
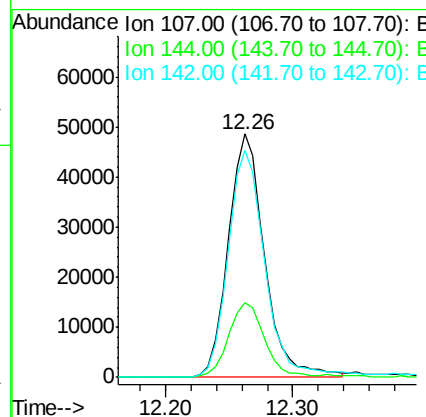
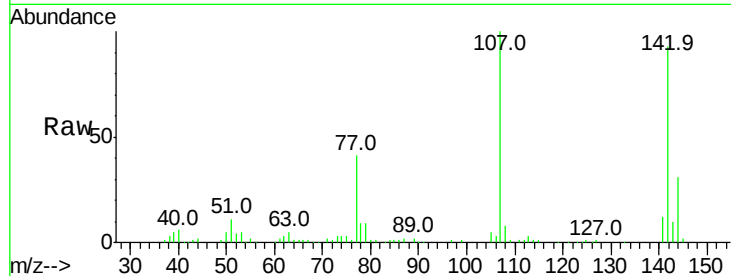
#33  
 4-Chloro-3-methylphenol  
 Concen: 21.84 ng/ul  
 RT: 12.26 min Scan# 1604  
 Delta R.T. 0.00 min  
 Lab File: BG021859.D  
 Acq: 12 May 2016 1:01

Instrument :  
 BNA\_G  
 ClientSampleId :  
 D9WF4MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 144     | 30.7  | 17.2  | 25.8# |
| 142     | 93.3  | 52.0  | 78.0# |

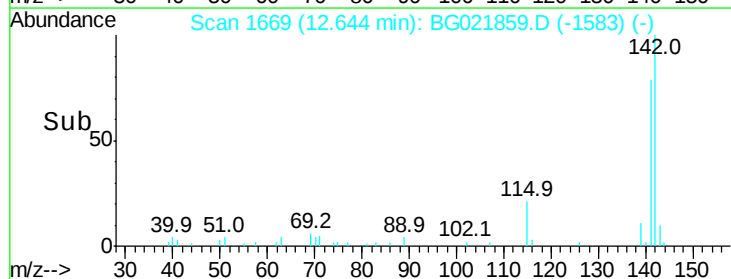
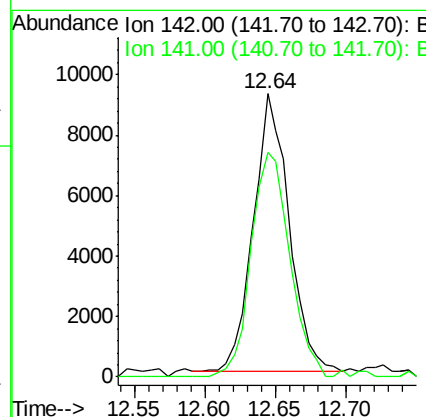
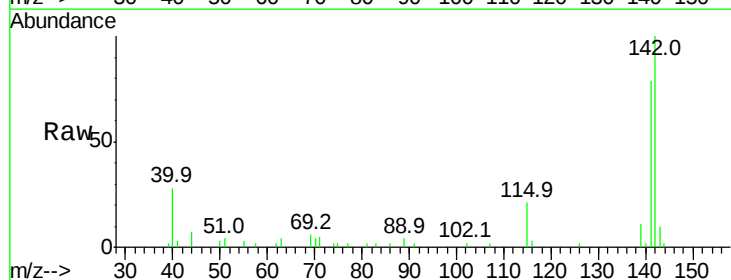
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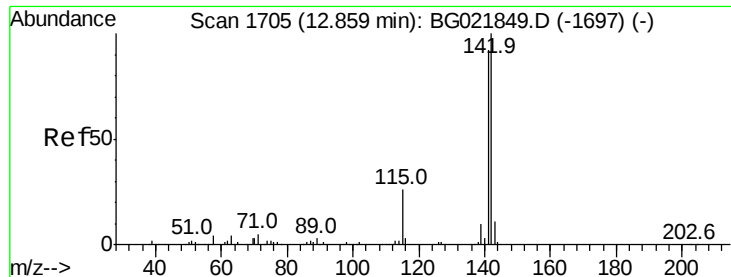
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#34  
 2-Methylnaphthalene  
 Concen: 1.21 ng/ul  
 RT: 12.64 min Scan# 1669  
 Delta R.T. 0.00 min  
 Lab File: BG021859.D  
 Acq: 12 May 2016 1:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 79.3  | 71.3  | 106.9 |





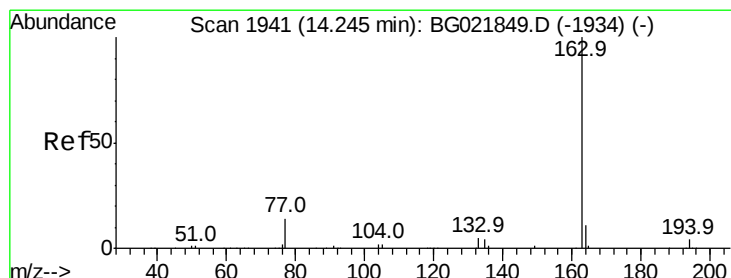
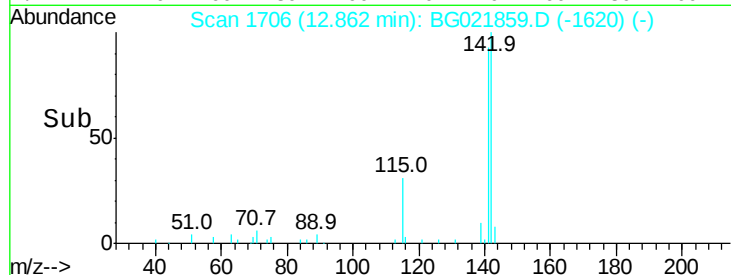
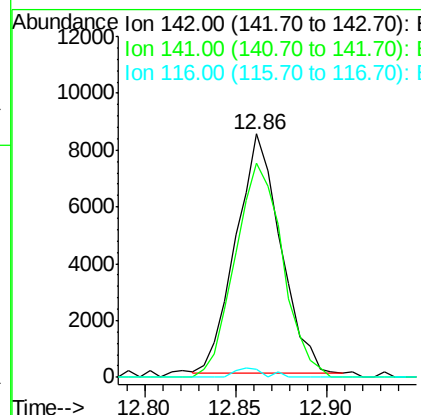
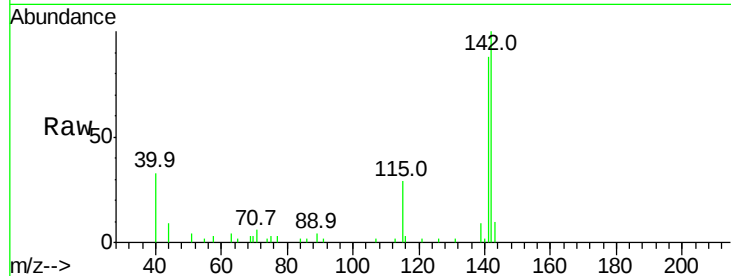
#35  
 1-Methylnaphthalene  
 Concen: 1.08 ng/ul  
 RT: 12.86 min Scan# 1706  
 Delta R.T. 0.00 min  
 Lab File: BG021859.D  
 Acq: 12 May 2016 1:01

Instrument :  
 BNA\_G  
 ClientSampleId :  
 D9WF4MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 88.0  | 77.0  | 115.4 |
| 116     | 3.1   | 4.2   | 6.4#  |

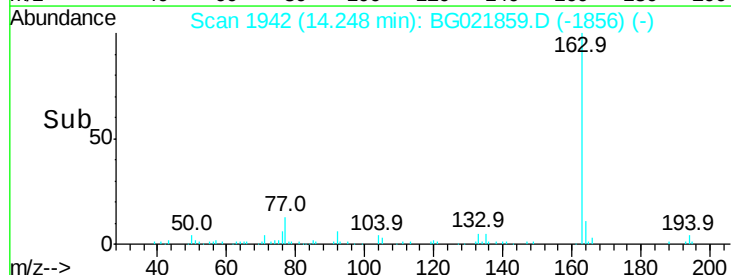
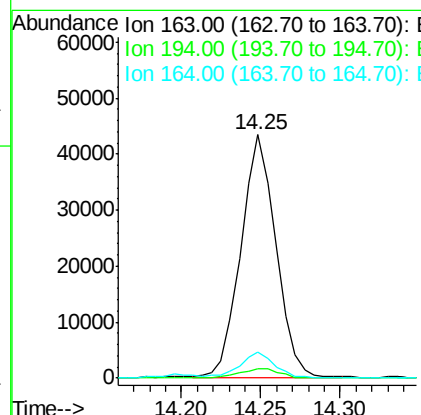
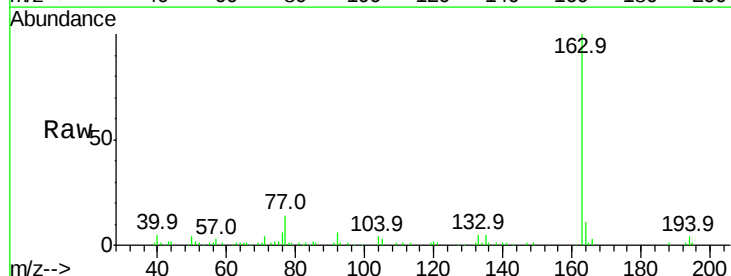
Manual Integrations  
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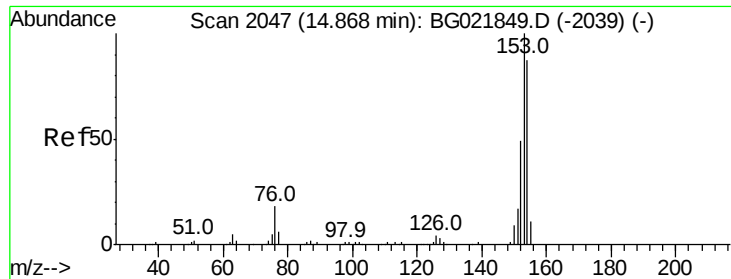
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#45  
 Dimethylphthalate  
 Concen: 4.21 ng/ul  
 RT: 14.25 min Scan# 1942  
 Delta R.T. 0.00 min  
 Lab File: BG021859.D  
 Acq: 12 May 2016 1:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 4.0   | 3.9   | 5.9   |
| 164     | 10.7  | 8.7   | 13.1  |





#50

Acenaphthene

Concen: 20.74 ng/ul

RT: 14.87 min Scan# 2048

Delta R.T. 0.00 min

Lab File: BG021859.D

Acq: 12 May 2016 1:01

Instrument :

BNA\_G

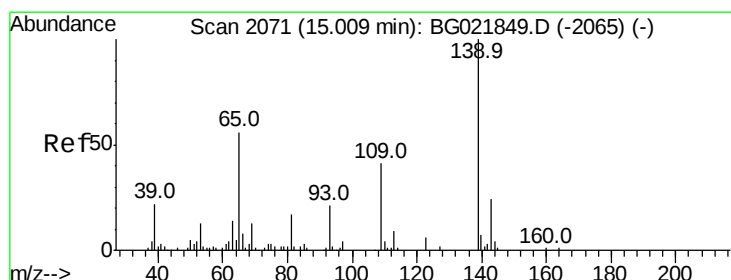
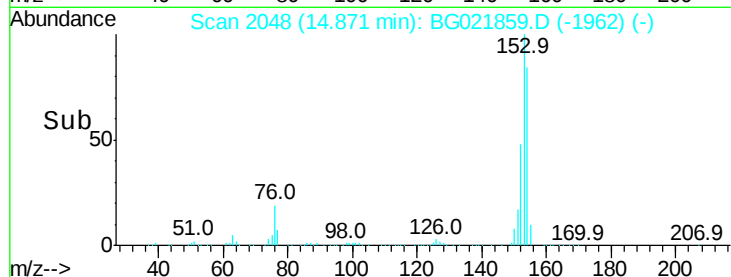
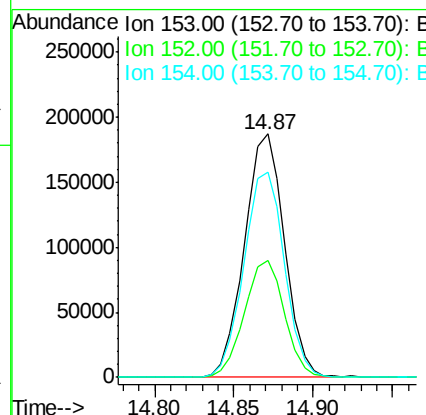
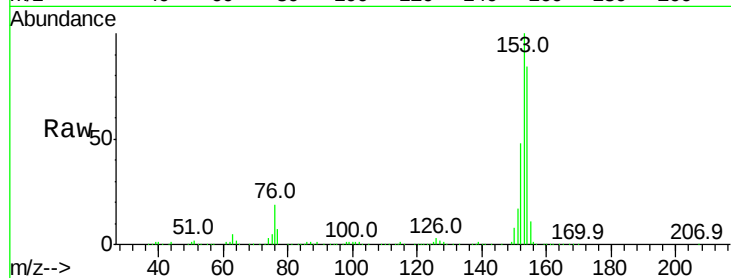
ClientSampled :

D9WF4MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 153   | Resp: | 328092 |
| Ion Ratio | Lower | Upper |        |
| 153       | 100   |       |        |
| 152       | 47.9  | 36.5  | 54.7   |
| 154       | 84.1  | 67.3  | 100.9  |

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#53

4-Nitrophenol

Concen: 15.34 ng/ul m

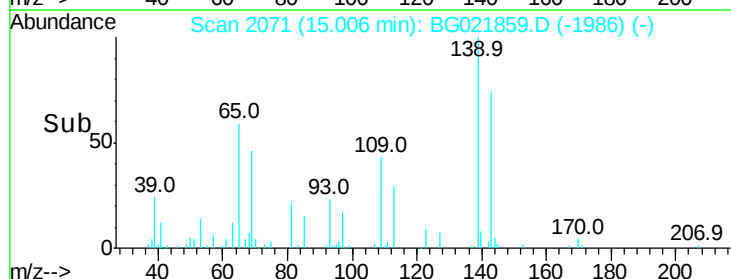
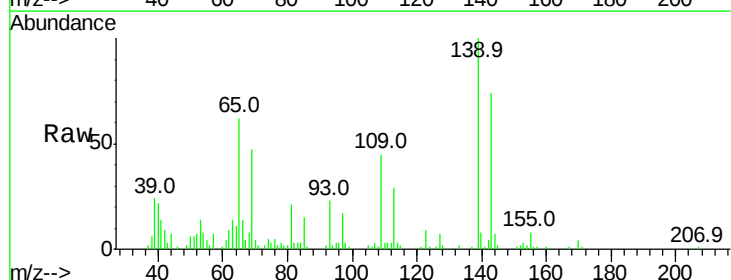
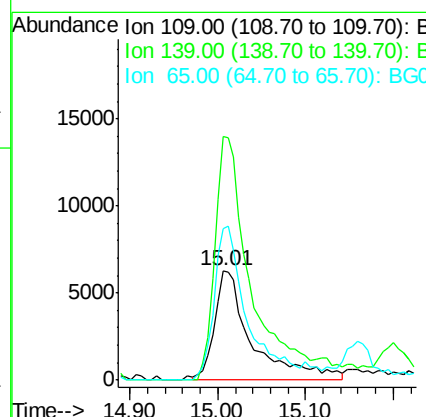
RT: 15.01 min Scan# 2071

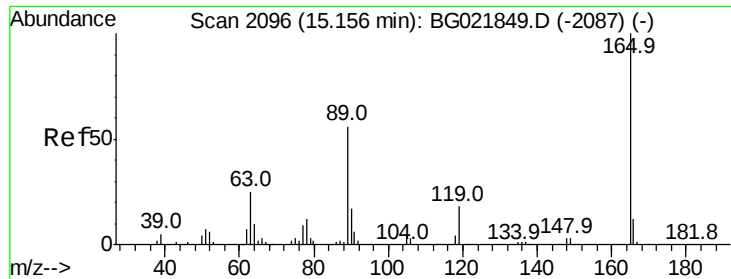
Delta R.T. -0.00 min

Lab File: BG021859.D

Acq: 12 May 2016 1:01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 109   | Resp: | 18752  |
| Ion Ratio | Lower | Upper |        |
| 109       | 100   |       |        |
| 139       | 222.0 | 75.9  | 113.9# |
| 65        | 138.1 | 99.8  | 149.8  |





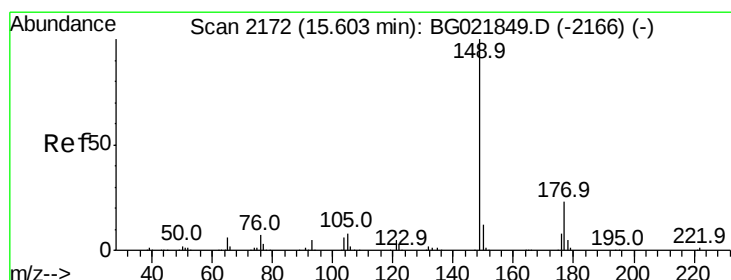
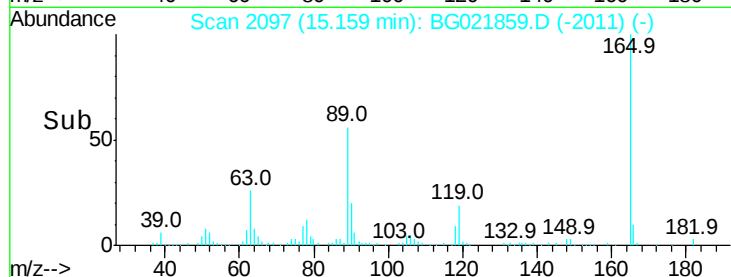
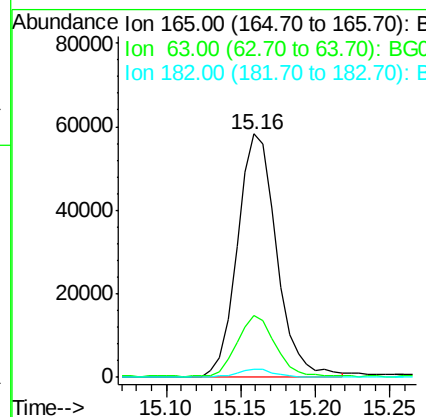
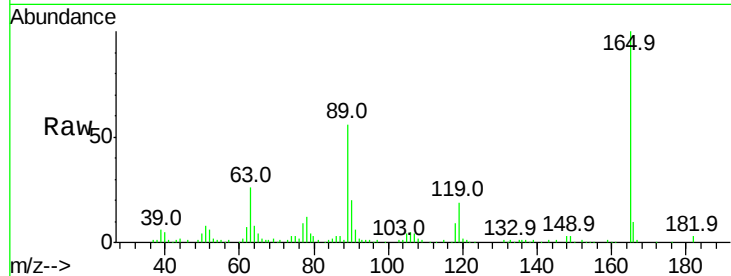
#55  
2,4-Dinitrotoluene  
Concen: 24.45 ng/ul  
RT: 15.16 min Scan# 2097  
Delta R.T. 0.00 min  
Lab File: BG021859.D  
Acq: 12 May 2016 1:01

Instrument :  
BNA\_G  
ClientSampleId :  
D9WF4MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 165     | 100   | 106486 |       |       |
| 63      | 25.6  | 48.1   | 72.1  | #     |
| 182     | 3.1   | 2.2    | 3.2   |       |

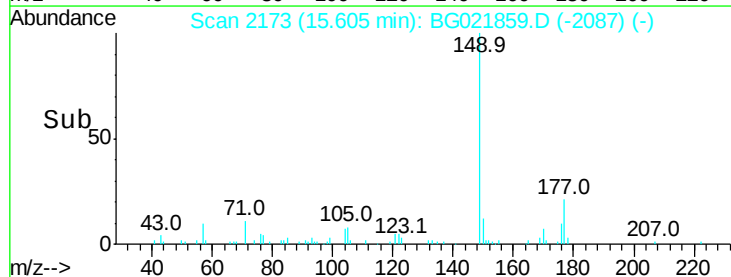
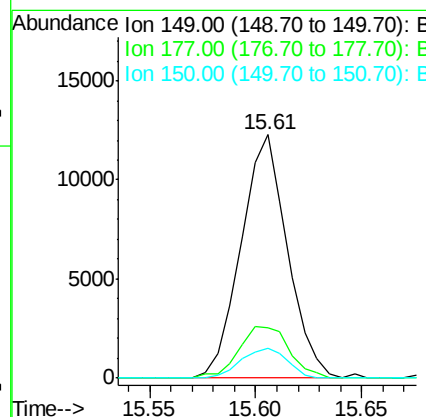
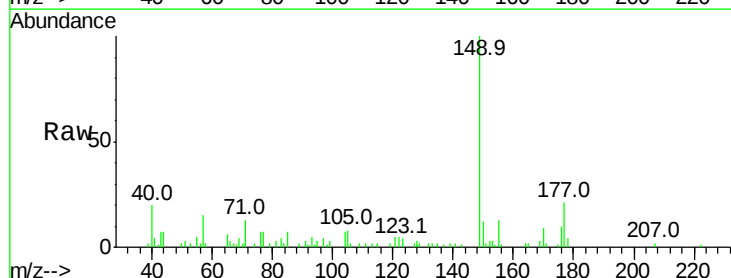
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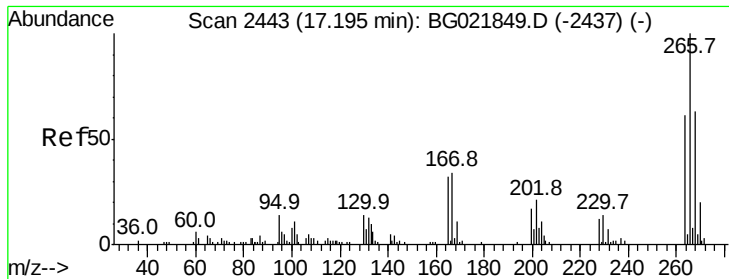
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#57  
Diethylphthalate  
Concen: 1.20 ng/ul  
RT: 15.61 min Scan# 2173  
Delta R.T. 0.00 min  
Lab File: BG021859.D  
Acq: 12 May 2016 1:01

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 149     | 100   | 18644 |       |       |
| 177     | 20.5  | 17.4  | 26.2  |       |
| 150     | 12.3  | 10.2  | 15.2  |       |





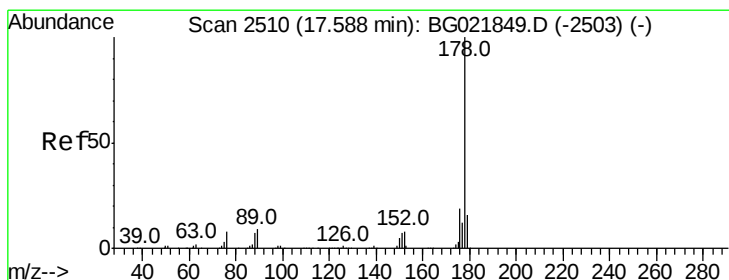
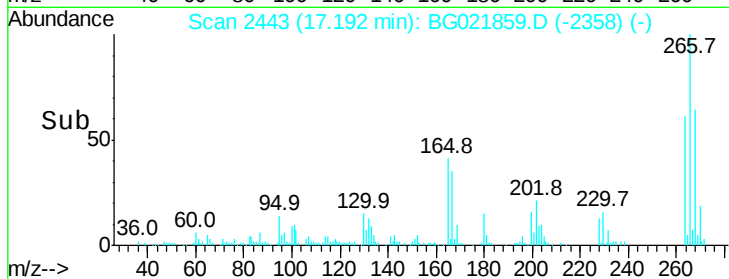
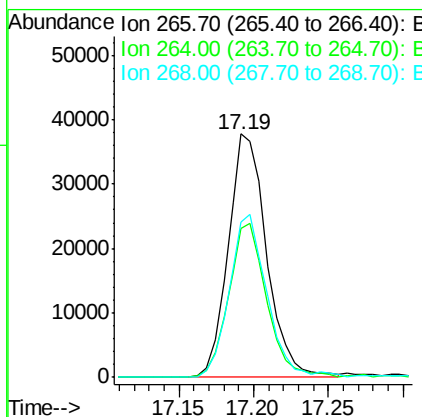
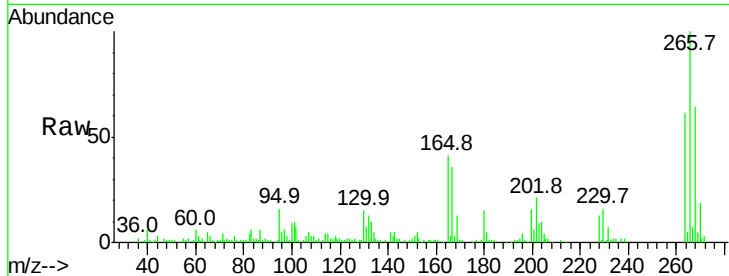
#69  
 Pentachlorophenol  
 Concen: 29.33 ng/ul  
 RT: 17.19 min Scan# 2443  
 Delta R.T. -0.00 min  
 Lab File: BG021859.D  
 Acq: 12 May 2016 1:01

Instrument :  
 BNA\_G  
 ClientSampleId :  
 D9WF4MS

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 266     | 100   | 67707 |       |       |
| 264     | 65.8  |       | 56.7  | 85.1  |
| 268     | 68.8  |       | 50.6  | 76.0  |

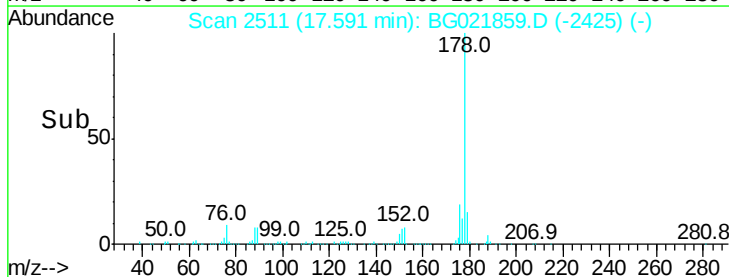
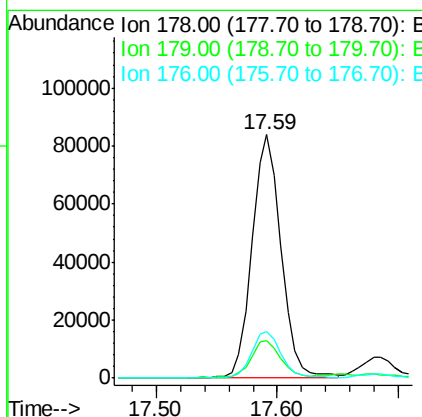
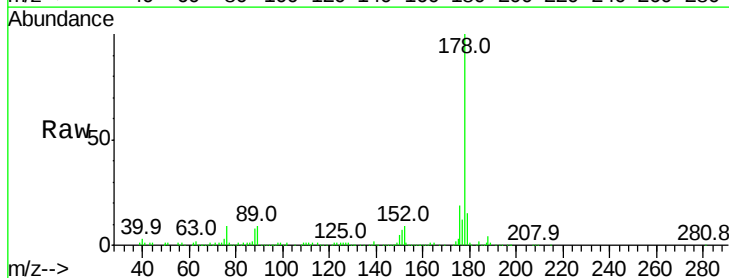
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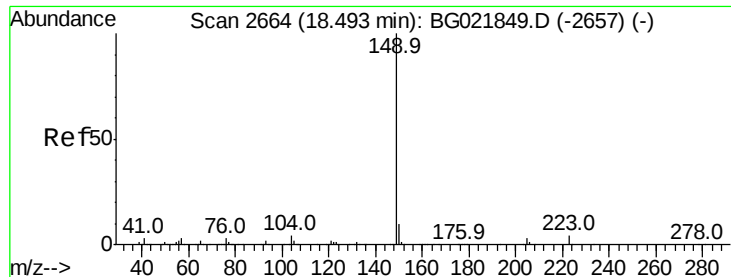
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#70  
 Phenanthrene  
 Concen: 5.15 ng/ul  
 RT: 17.59 min Scan# 2511  
 Delta R.T. 0.00 min  
 Lab File: BG021859.D  
 Acq: 12 May 2016 1:01

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 178     | 100   | 141030 |       |       |
| 179     | 15.3  |        | 11.8  | 17.8  |
| 176     | 19.2  |        | 14.8  | 22.2  |





#74

Di-n-butylphthalate

Concen: 1.71 ng/ul

RT: 18.49 min Scan# 2664

Delta R.T. -0.00 min

Lab File: BG021859.D

Acq: 12 May 2016 1:01

Instrument :

BNA\_G

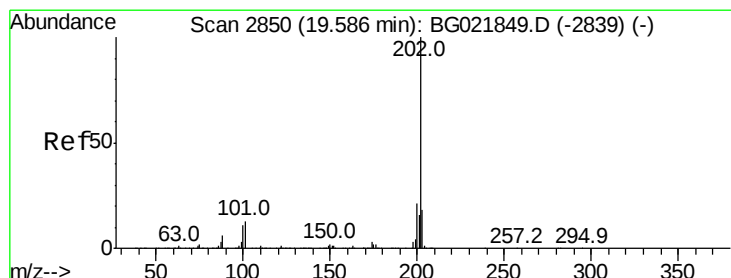
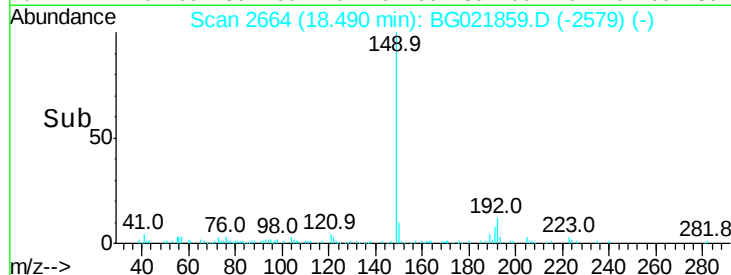
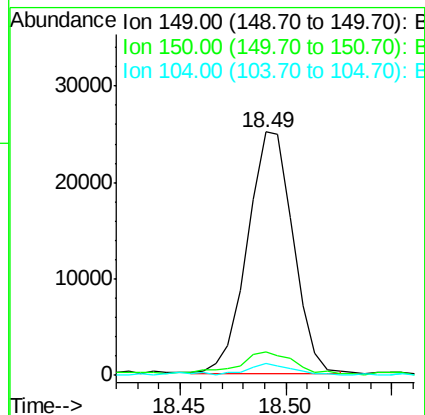
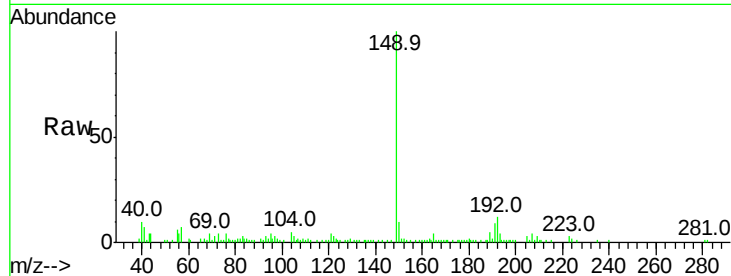
ClientSampleId :

D9WF4MS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 149   | Resp: | 37559 |
| Ion Ratio | Lower | Upper |       |
| 149       | 100   |       |       |
| 150       | 9.8   | 7.5   | 11.3  |
| 104       | 4.7   | 5.4   | 8.2#  |

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#75

Fluoranthene

Concen: 9.82 ng/ul

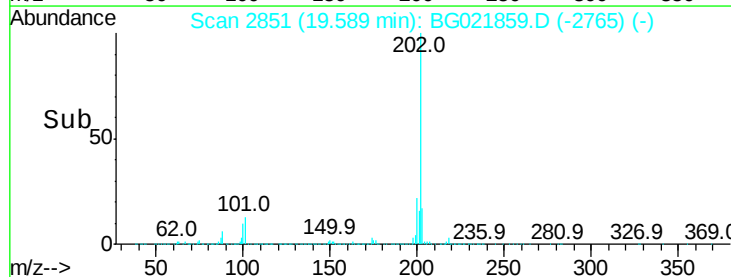
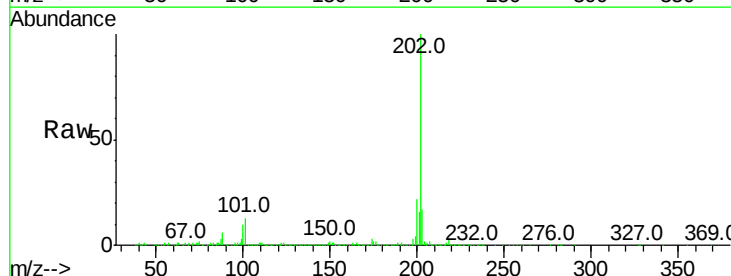
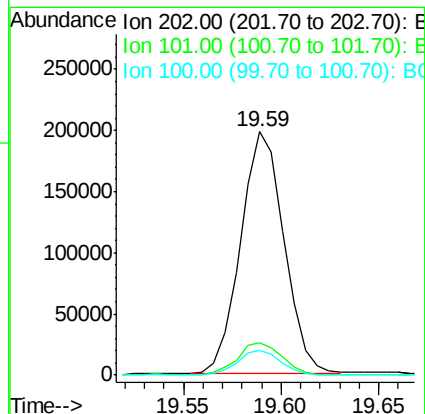
RT: 19.59 min Scan# 2851

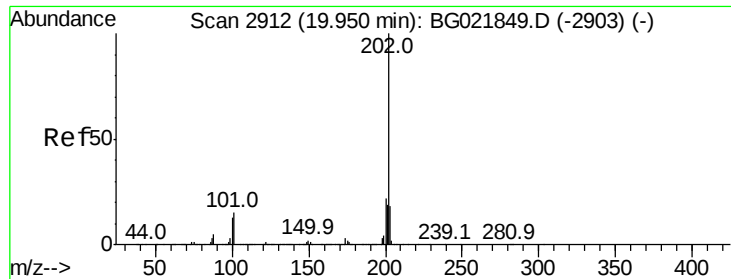
Delta R.T. 0.00 min

Lab File: BG021859.D

Acq: 12 May 2016 1:01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 305599 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 13.1  | 8.9   | 13.3   |
| 100       | 10.4  | 7.0   | 10.4   |





#78

Pvrene

Concen: 31.29 ng/ul m

RT: 19.95 min Scan# 2913

Delta R.T. 0.00 min

Lab File: BG021859.D

Acq: 12 May 2016 1:01

Instrument :

BNA\_G

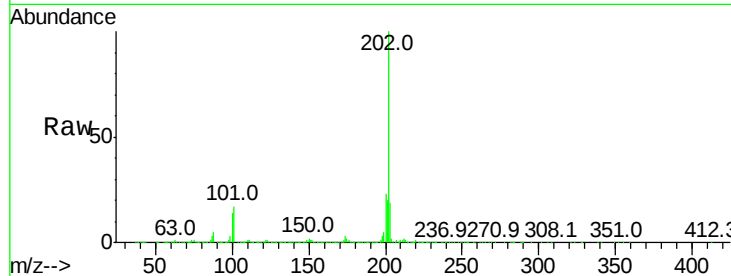
ClientSampleId :

D9WF4MS

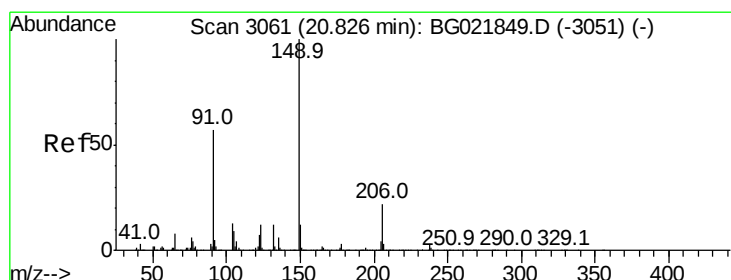
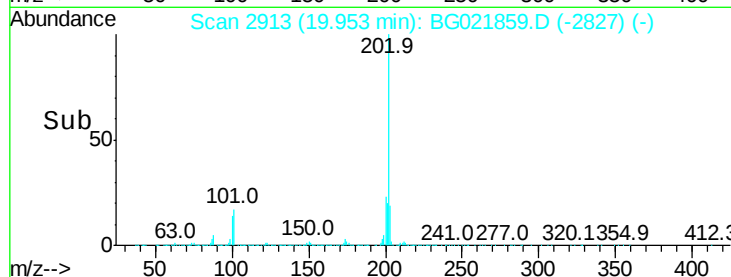
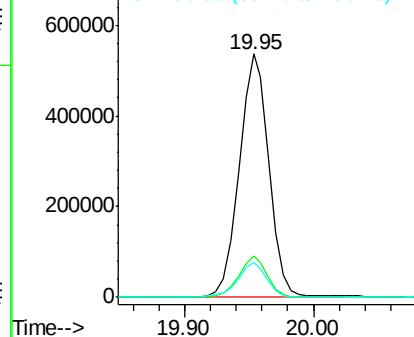
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 202   | Resp: | 871348 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 16.8  | 9.8   | 14.8#  |
| 100       | 14.4  | 9.3   | 13.9#  |

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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



#79

Butylbenzylphthalate

Concen: 2.88 ng/ul

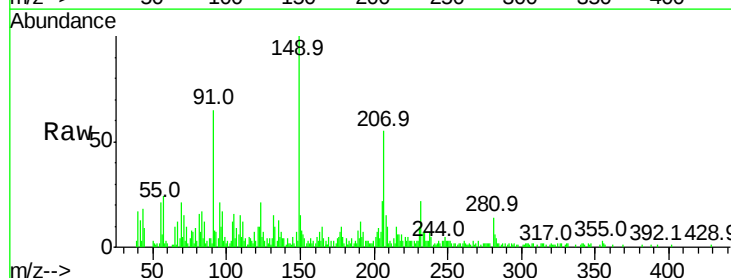
RT: 20.82 min Scan# 3061

Delta R.T. -0.00 min

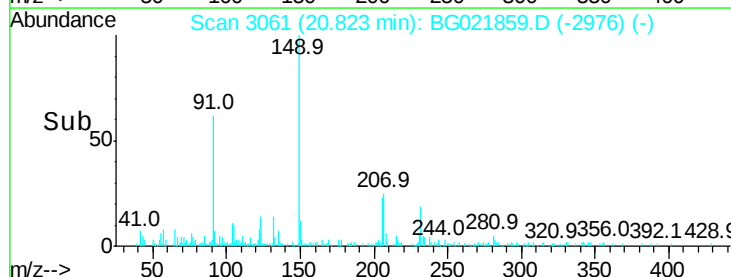
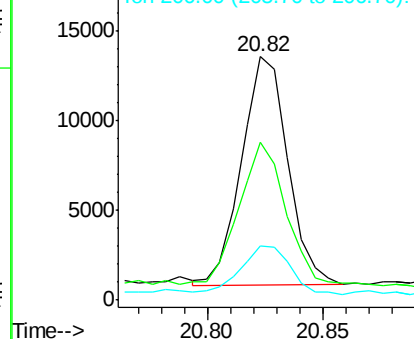
Lab File: BG021859.D

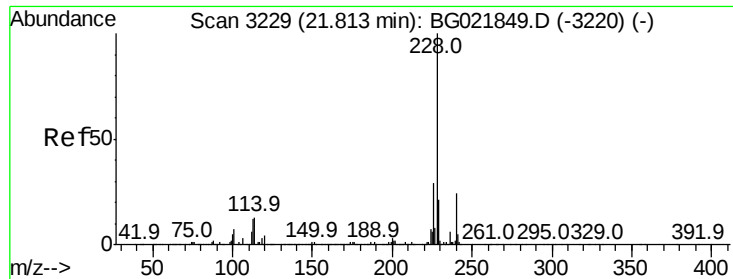
Acq: 12 May 2016 1:01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 149   | Resp: | 17760 |
| Ion Ratio | Lower | Upper |       |
| 149       | 100   |       |       |
| 91        | 64.8  | 65.8  | 98.8# |
| 206       | 22.2  | 15.5  | 23.3  |



Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 91.00 (90.70 to 91.70): B  
Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 5.34 ng/ul

RT: 21.82 min Scan# 3230

Delta R.T. 0.00 min

Lab File: BG021859.D

Acq: 12 May 2016 1:01

Instrument :

BNA\_G

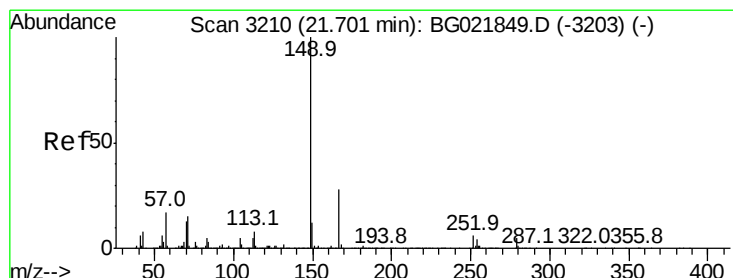
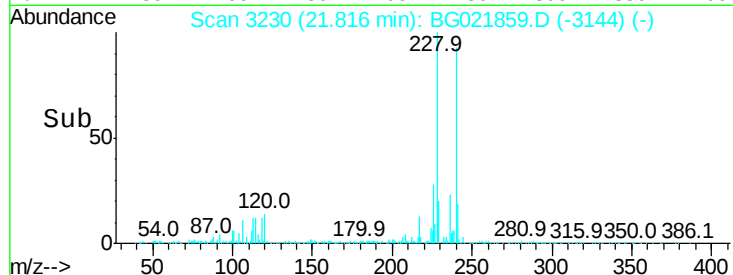
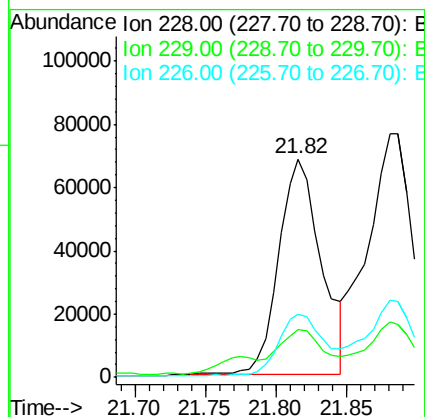
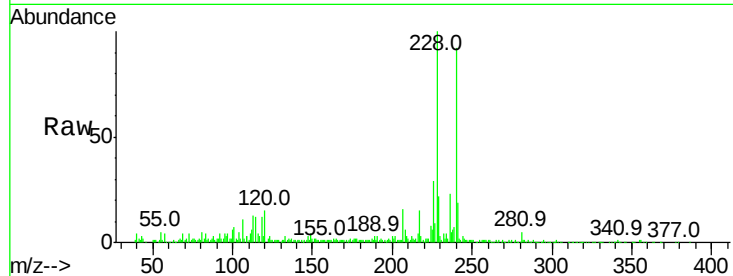
ClientSampleId :

D9WF4MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 228   | Resp: | 142961 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 229       | 22.1  | 16.6  | 25.0   |
| 226       | 29.0  | 21.0  | 31.4   |

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#82

Bis(2-ethylhexyl)phthalate

Concen: 7.44 ng/ul

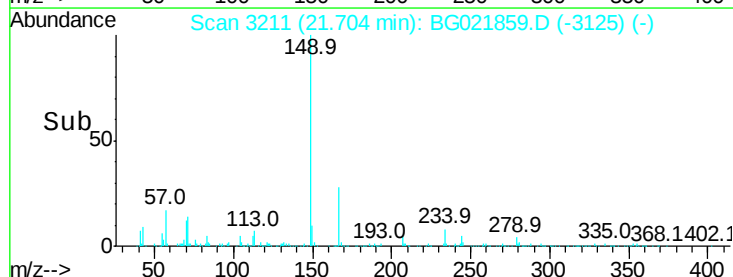
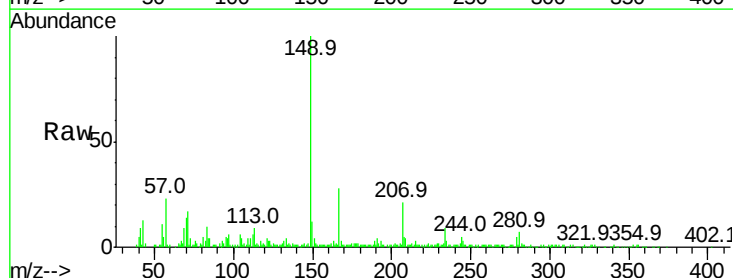
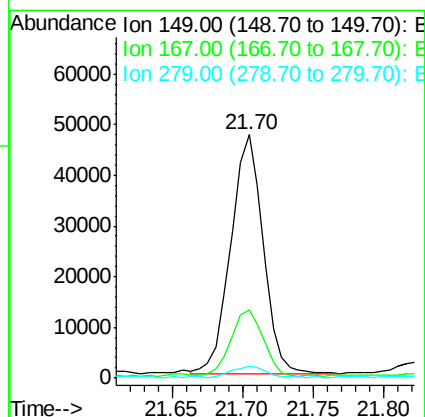
RT: 21.70 min Scan# 3211

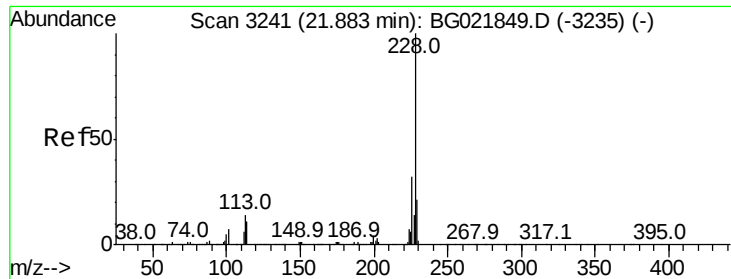
Delta R.T. 0.00 min

Lab File: BG021859.D

Acq: 12 May 2016 1:01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 149   | Resp: | 74772 |
| Ion Ratio | Lower | Upper |       |
| 149       | 100   |       |       |
| 167       | 28.0  | 20.5  | 30.7  |
| 279       | 4.8   | 3.7   | 5.5   |





#83

Chrysene

Concen: 6.38 ng/ul

RT: 21.89 min Scan# 3242

Delta R.T. 0.00 min

Lab File: BG021859.D

Acq: 12 May 2016 1:01

Instrument :

BNA\_G

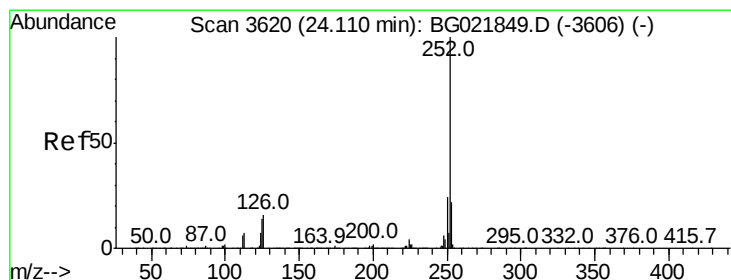
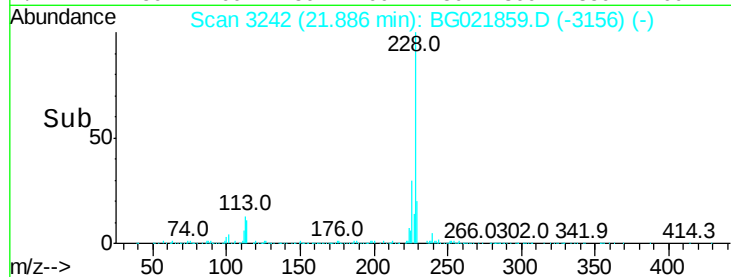
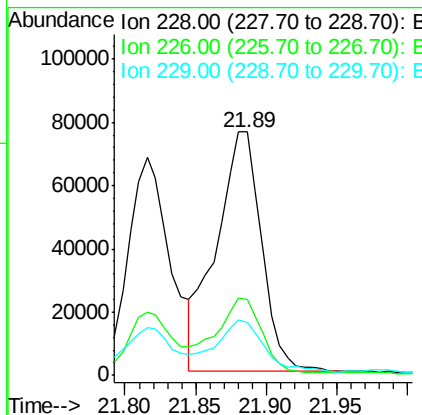
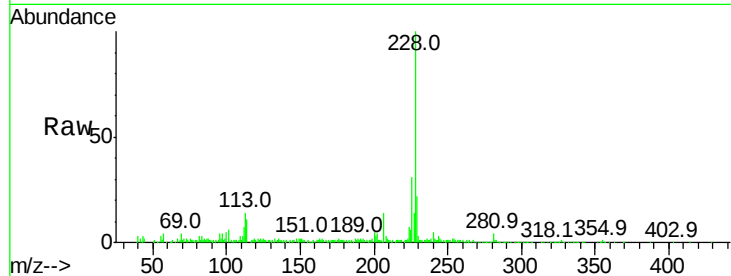
ClientSampleId :

D9WF4MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 228     | 100   | 169131 |       |       |
| 226     | 30.9  | 23.4   | 35.2  |       |
| 229     | 21.9  | 16.2   | 24.2  |       |

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#86

Benzo(b)fluoranthene

Concen: 9.00 ng/ul

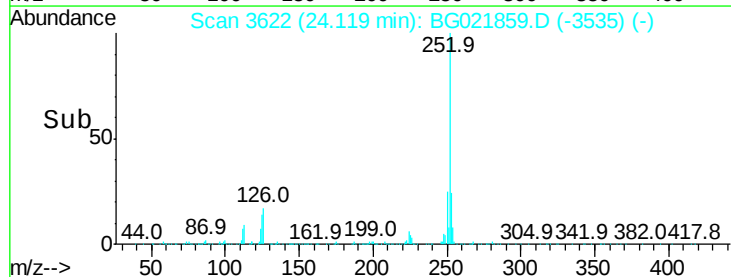
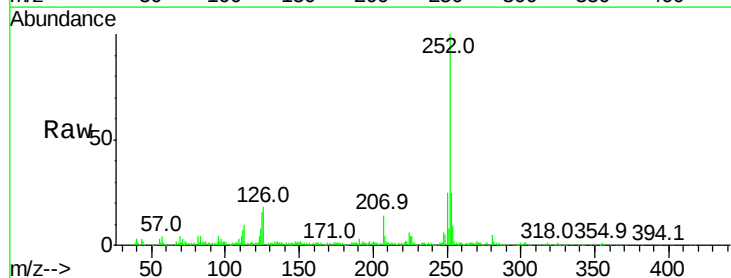
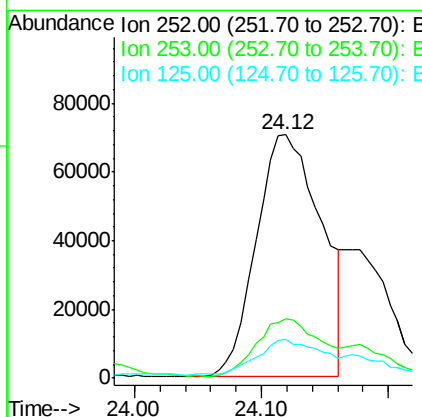
RT: 24.12 min Scan# 3622

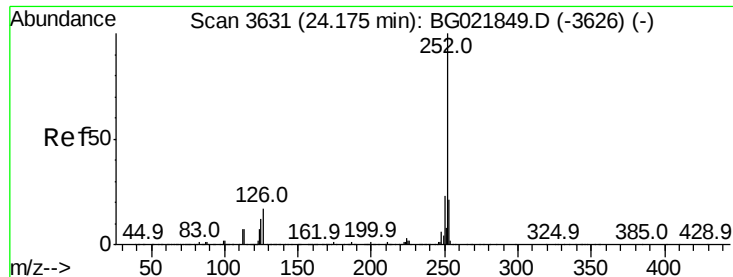
Delta R.T. 0.01 min

Lab File: BG021859.D

Acq: 12 May 2016 1:01

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 252     | 100   | 250738 |       |       |
| 253     | 24.5  | 18.1   | 27.1  |       |
| 125     | 15.7  | 7.6    | 11.4  |       |





#87

Benzo(k)fluoranthene

Concen: 3.15 ng/ul m

RT: 24.17 min Scan# 3630

Delta R.T. -0.01 min

Lab File: BG021859.D

Acq: 12 May 2016 1:01

Instrument :

BNA\_G

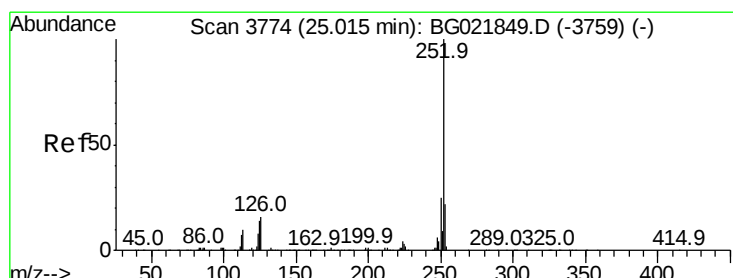
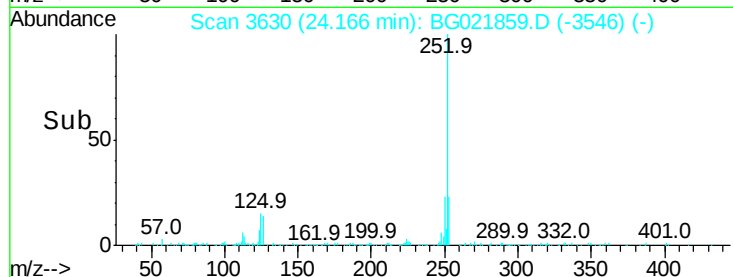
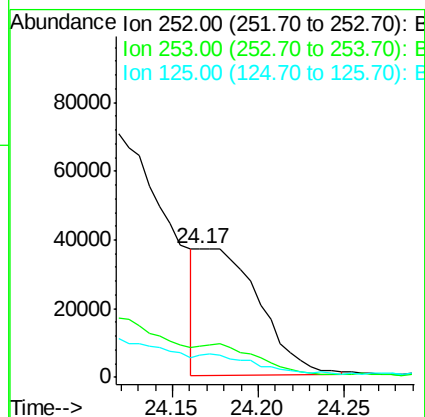
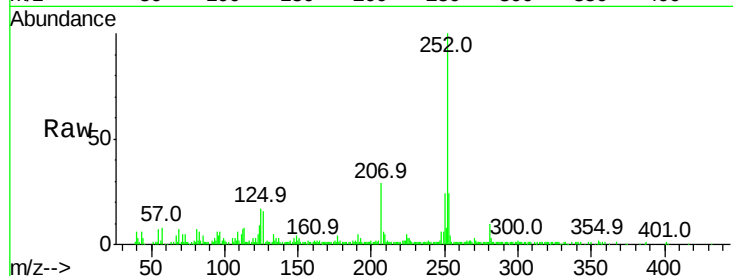
ClientSampleId :

D9WF4MS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 252   | Resp: | 93958 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 24.4  | 17.8  | 26.8  |
| 125       | 17.2  | 7.7   | 11.5# |

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#89

Benzo(a)pyrene

Concen: 5.20 ng/ul

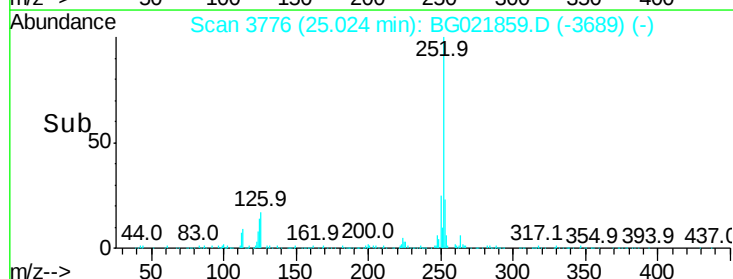
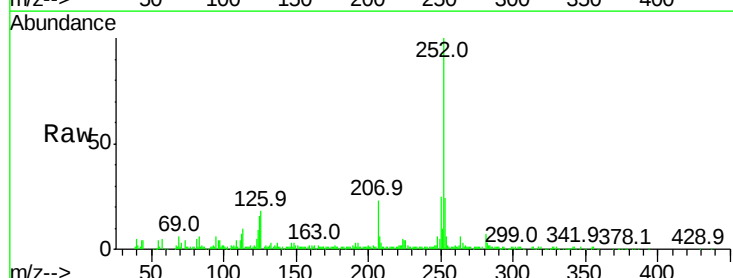
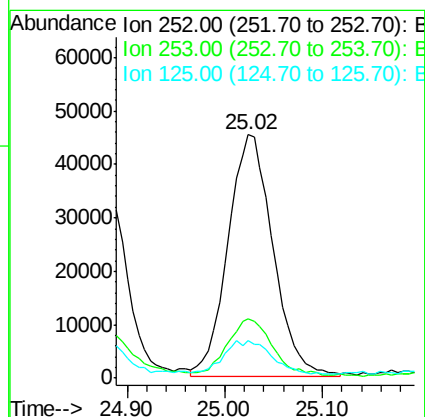
RT: 25.02 min Scan# 3776

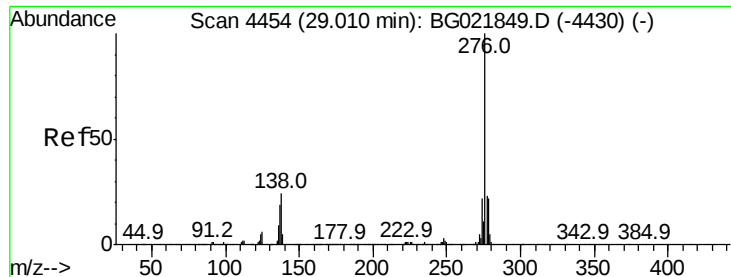
Delta R.T. 0.01 min

Lab File: BG021859.D

Acq: 12 May 2016 1:01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 144174 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 24.3  | 17.4  | 26.0   |
| 125       | 15.6  | 8.2   | 12.2#  |





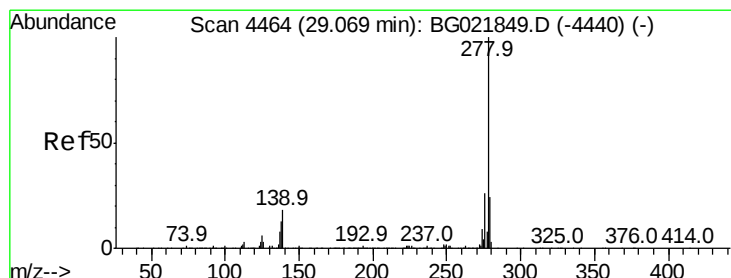
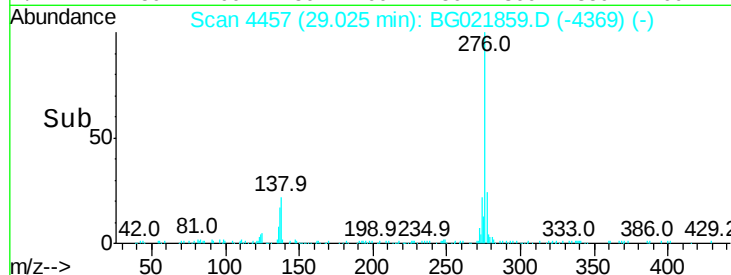
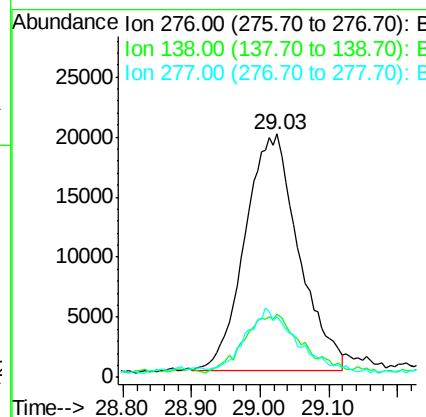
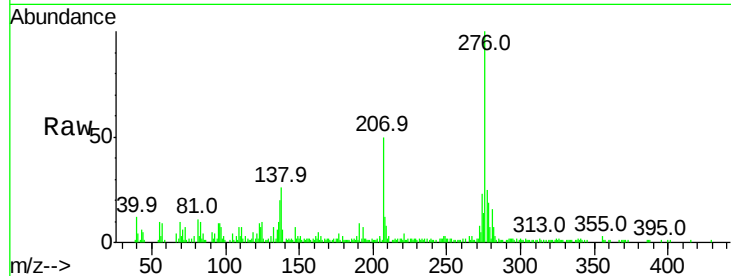
#90  
 Indeno(1,2,3-cd)pyrene  
 Concen: 3.26 ng/ul  
 RT: 29.03 min Scan# 4457  
 Delta R.T. 0.01 min  
 Lab File: BG021859.D  
 Acq: 12 May 2016 1:01

Instrument :  
 BNA\_G  
 ClientSampled :  
 D9WF4MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 25.7  | 15.8  | 23.6# |
| 277     | 24.8  | 19.0  | 28.6  |

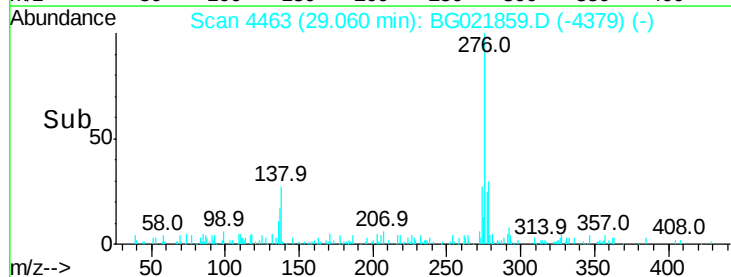
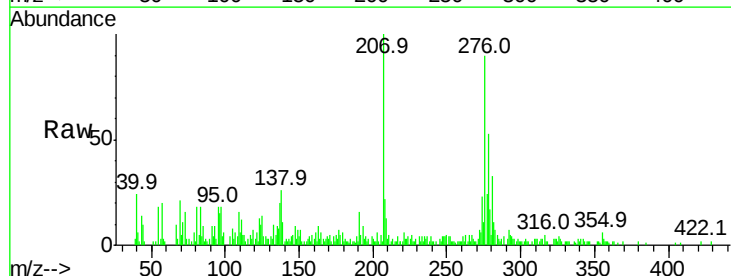
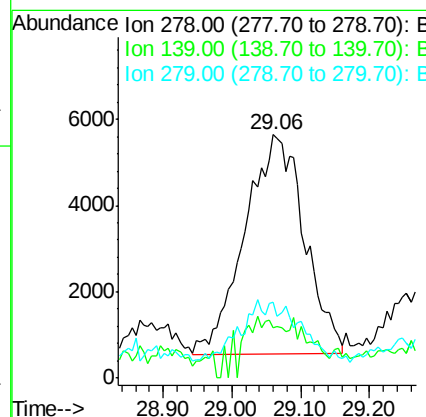
Manual Integrations  
 APPROVED

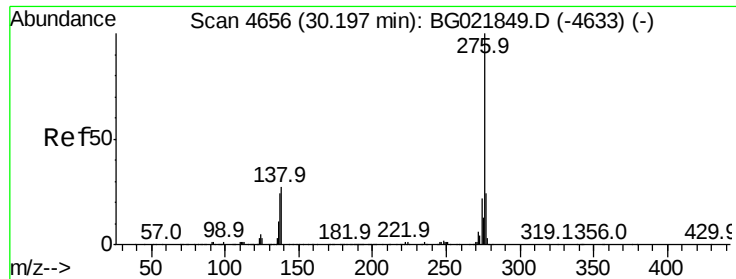
sohil  
 5/12/2016 7:27:12 PM



#91  
 Dibenzo(a,h)anthracene  
 Concen: 1.12 ng/ul m  
 RT: 29.06 min Scan# 4463  
 Delta R.T. -0.01 min  
 Lab File: BG021859.D  
 Acq: 12 May 2016 1:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 20.7  | 12.1  | 18.1# |
| 279     | 31.3  | 19.8  | 29.8# |





#92  
 Benzo(a,h,i)perylene  
 Concen: 3.27 ng/ul m  
 RT: 30.20 min Scan# 4657  
 Delta R.T. 0.00 min  
 Lab File: BG021859.D  
 Acq: 12 May 2016 1:01

Instrument :  
 BNA\_G  
 ClientSampleId :  
 D9WF4MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 28.0  | 13.9  | 20.9# |
| 277     | 23.1  | 19.8  | 29.6  |

Manual Integrations  
 APPROVED

sohil  
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