

Data Path : Z:\HPCHEM1\BNA G\DATA\BG082517\  
 Data File : BG028494.D  
 Acq On : 25 Aug 2017 16:24  
 Operator : SJ/JU  
 Sample : I4885-17  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Aug 25 23:14:11 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Aug 25 23:11:18 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.34  | 152  | 32038    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.16 | 136  | 135865   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.95 | 164  | 97373    | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.80 | 188  | 360925   | 20.00 | ng/ul | 0.10     |
| 75) Chrysene-d12          | 22.03 | 240  | 280755   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 25.53 | 264  | 281127   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.82  | 96  | 3530   | 5.13  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.50  | 99  | 84182  | 23.92 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.65  | 67  | 51806  | 23.25 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.87  | 132 | 60538  | 27.27 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 9.03  | 113 | 70345  | 23.92 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.50  | 128 | 32701  | 30.78 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.23 | 143 | 36354  | 31.21 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.77 | 165 | 73249  | 30.39 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.29 | 131 | 57645  | 21.49 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 14.34 | 166 | 246900 | 28.51 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.65 | 160 | 288897 | 29.59 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 15.15 | 143 | 29417  | 21.36 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.94 | 176 | 221765 | 28.54 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 16.17 | 200 | 81     | 0.03  | ng/ul | 0.11 |
| 70) Anthracene-d10             | 17.80 | 188 | 360925 | 20.85 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 20.07 | 212 | 435169 | 30.23 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 25.30 | 264 | 412191 | 31.32 | ng/ul | 0.01 |

## Target Compounds

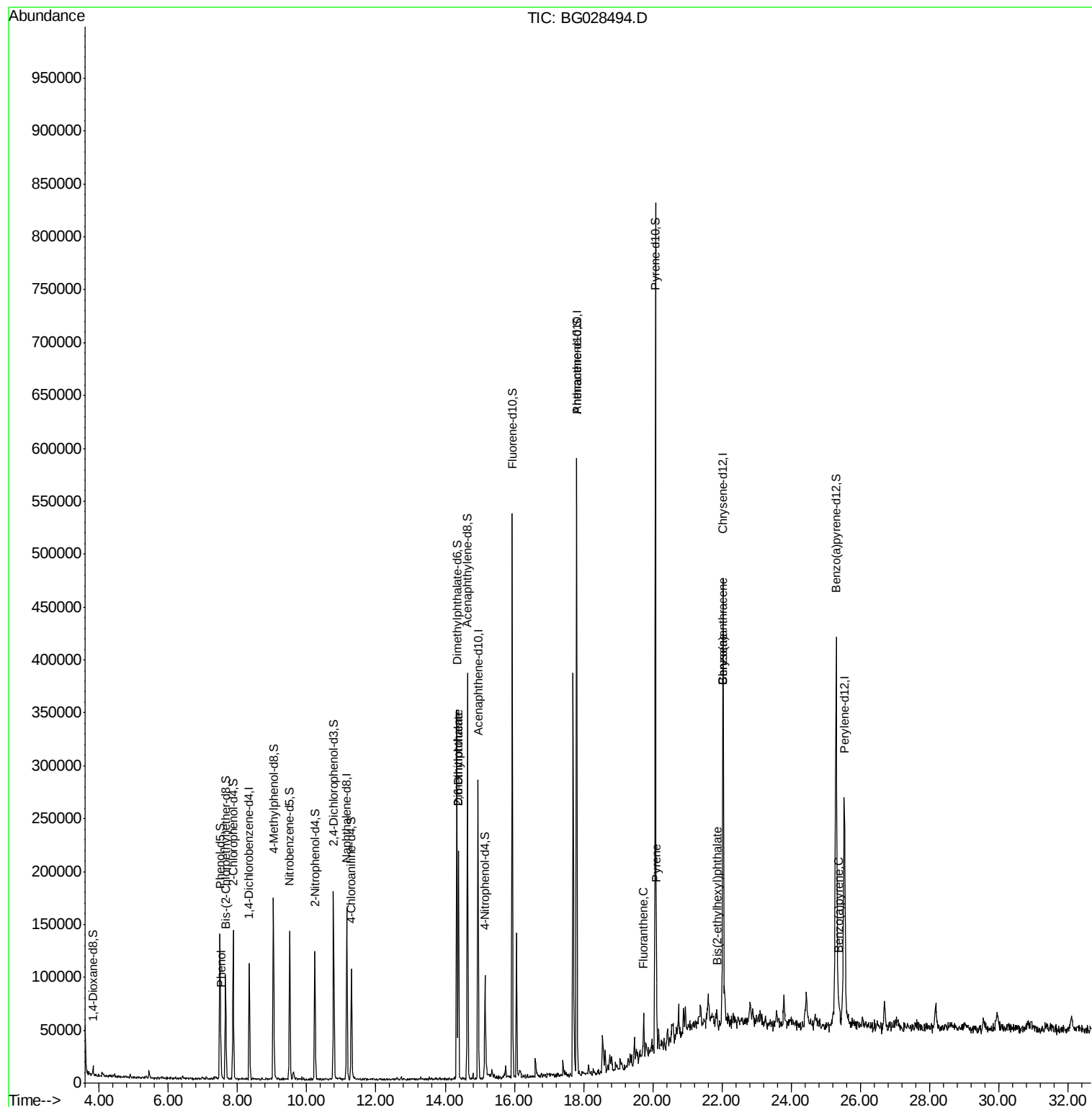
|                                |       |     |        |        | Ovalue |    |
|--------------------------------|-------|-----|--------|--------|--------|----|
| 6) Phenol                      | 7.52  | 94  | 6900   | 1.973  | ng/ul  | 92 |
| 44) Dimethylphthalate          | 14.39 | 163 | 136665 | 17.138 | ng/ul  | 99 |
| 45) 2,6-Dinitrotoluene         | 14.38 | 165 | 1766   | 1.073  | ng/ul# | 41 |
| 74) Fluoranthene               | 19.74 | 202 | 26302  | 1.192  | ng/ul  | 98 |
| 77) Pyrene                     | 20.10 | 202 | 48183  | 2.877  | ng/ul# | 96 |
| 80) Benzo(a)anthracene         | 22.01 | 228 | 28781  | 1.774  | ng/ul  | 97 |
| 81) Bis(2-ethylhexyl)phthalate | 21.85 | 149 | 12348  | 1.384  | ng/ul  | 97 |
| 82) Chrysene                   | 22.01 | 228 | 29289  | 2.005  | ng/ul  | 95 |
| 88) Benzo(a)pyrene             | 25.37 | 252 | 25917  | 1.591  | ng/ul# | 88 |

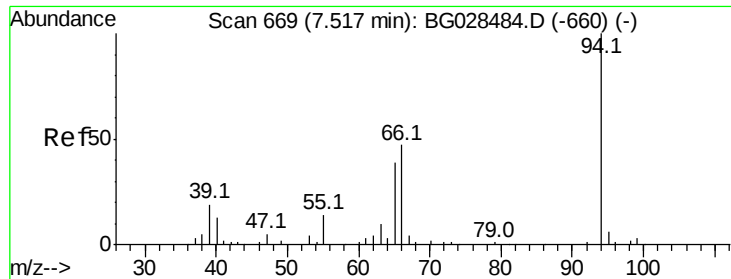
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 1.973 ng/ul

RT: 7.52 min Scan# 669

Delta R.T. 0.00 min

Lab File: BG028494.D

Acq: 25 Aug 2017 16:24

Instrument :

BNA\_G

ClientSampleId :

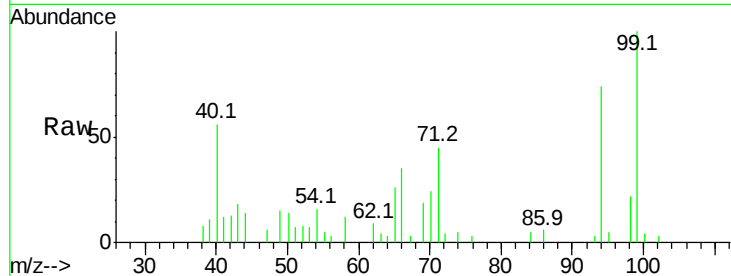
Tot Ion: 94 Resp: 6900

Ion Ratio Lower Upper

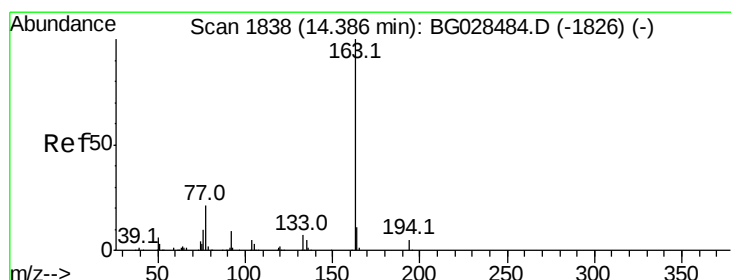
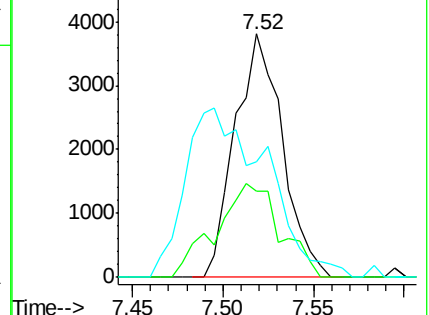
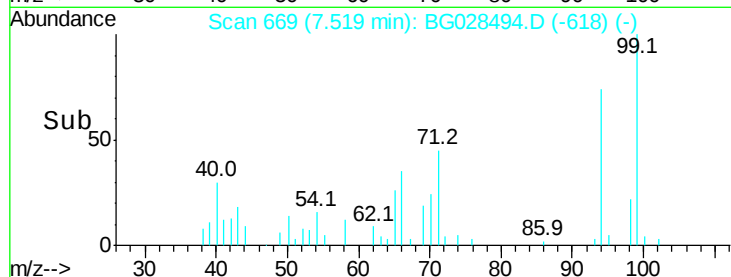
94 100

65 35.4 26.8 40.2

66 47.6 44.4 66.6



Abundance Ion 94.00 (93.70 to 94.70): BGC  
Ion 65.00 (64.70 to 65.70): BGC  
Ion 66.00 (65.70 to 66.70): BGC



#44

Dimethylphthalate

Concen: 17.138 ng/ul

RT: 14.39 min Scan# 1838

Delta R.T. 0.00 min

Lab File: BG028494.D

Acq: 25 Aug 2017 16:24

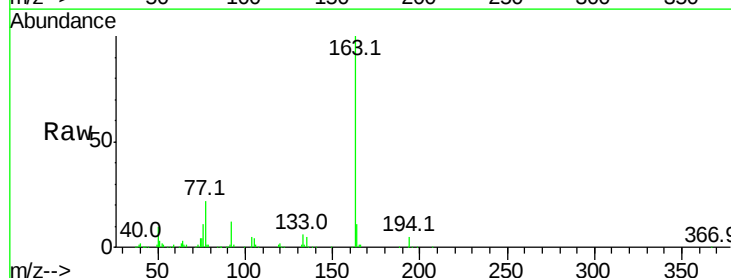
Tgt Ion:163 Resp: 136665

Ion Ratio Lower Upper

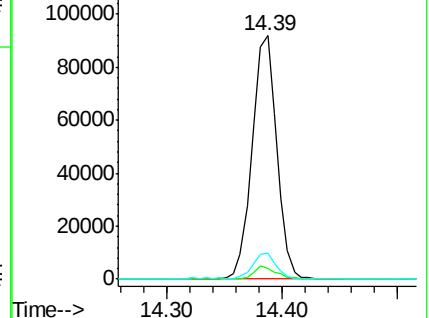
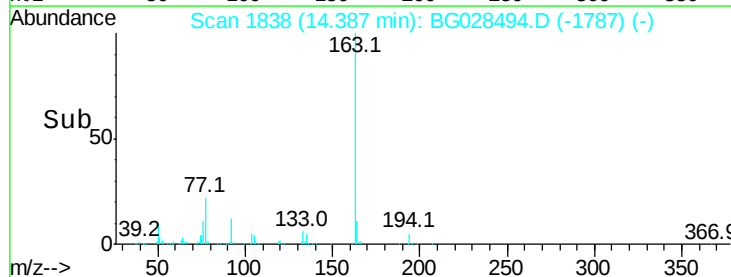
163 100

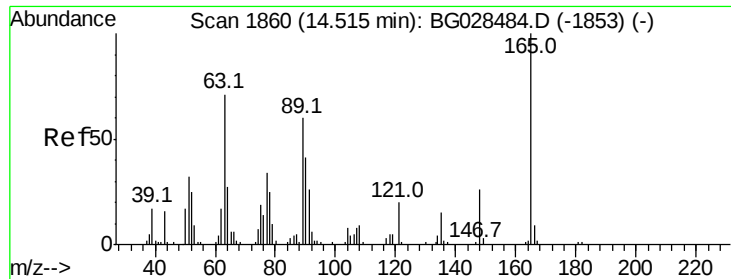
194 4.5 3.4 5.0

164 10.7 9.0 13.4



Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E





#45

2,6-Dinitrotoluene

Concen: 1.073 ng/ul

RT: 14.38 min Scan# 1836

Delta R.T. -0.14 min

Lab File: BG028494.D

Acq: 25 Aug 2017 16:24

Instrument :

BNA\_G

ClientSampled :

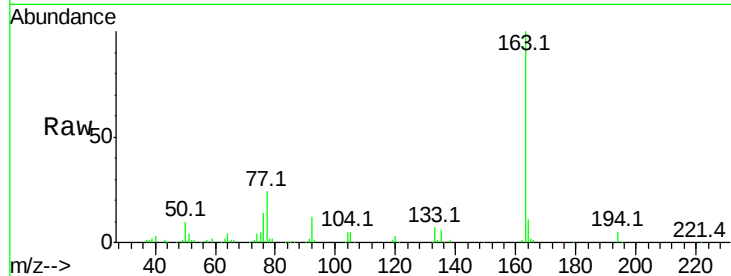
Tot Ion:165 Resp: 1766

Ion Ratio Lower Upper

165 100

89 0.0 52.9 79.3#

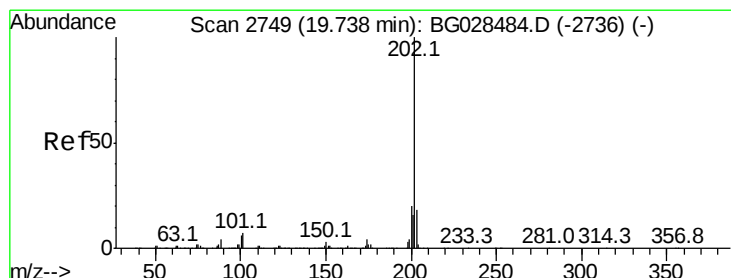
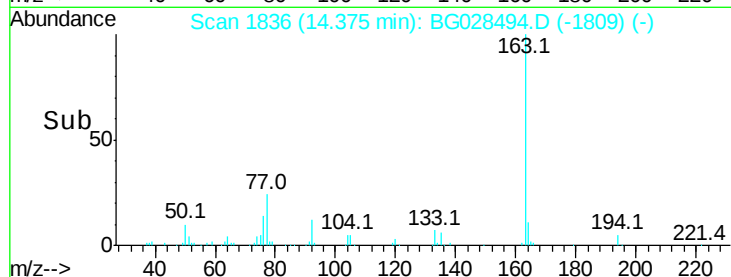
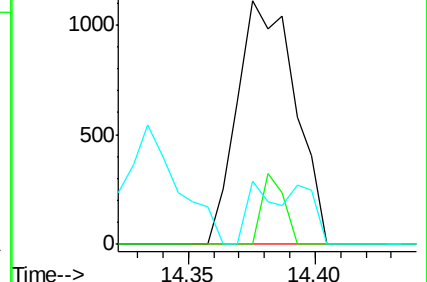
121 26.1 22.2 33.4



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 89.00 (88.70 to 89.70): BG

Ion 121.00 (120.70 to 121.70): E



#74

Fluoranthene

Concen: 1.192 ng/ul

RT: 19.74 min Scan# 2749

Delta R.T. 0.00 min

Lab File: BG028494.D

Acq: 25 Aug 2017 16:24

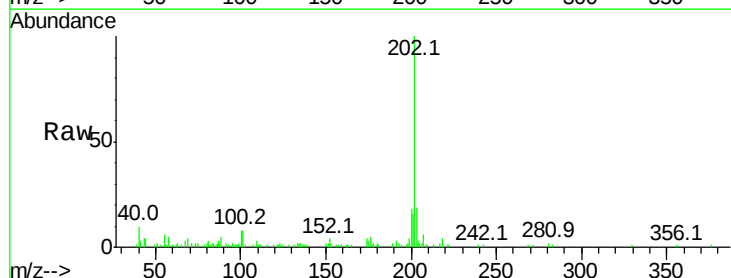
Tgt Ion:202 Resp: 26302

Ion Ratio Lower Upper

202 100

101 8.1 6.2 9.2

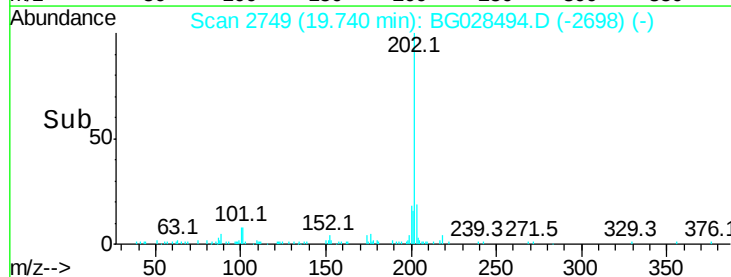
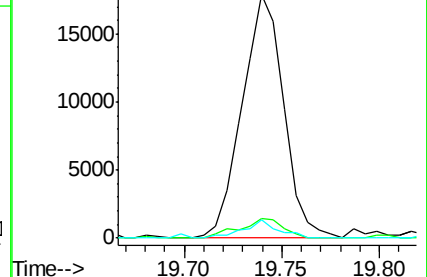
100 7.7 5.2 7.8

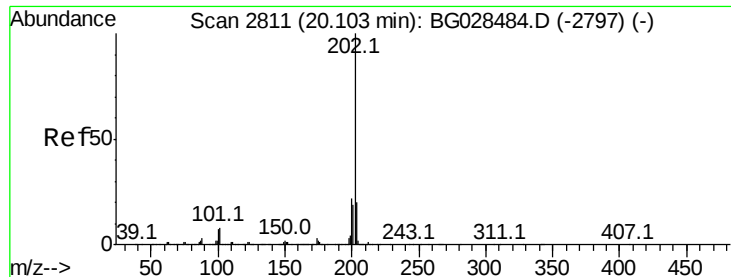


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BG





#77

Pvrene

Concen: 2.877 ng/ul

RT: 20.10 min Scan# 2811

Delta R.T. 0.00 min

Lab File: BG028494.D

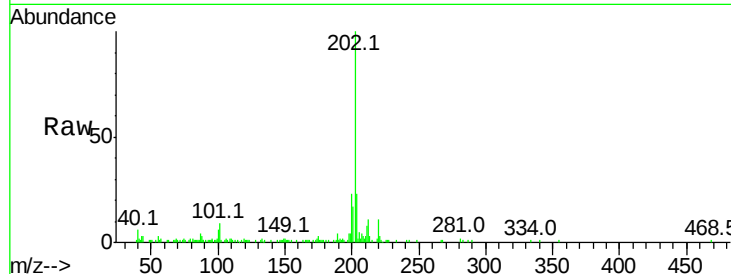
Acq: 25 Aug 2017 16:24

Instrument :

BNA\_G

ClientSampleId :

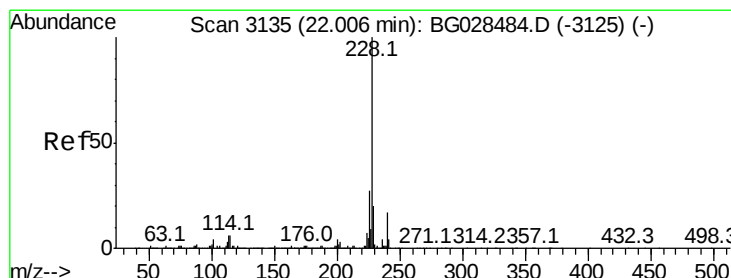
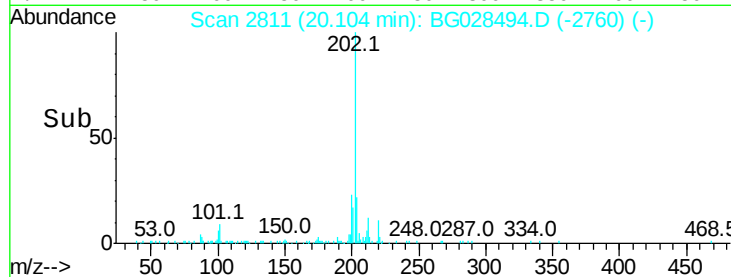
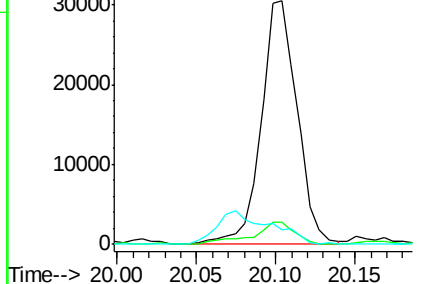
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 202   | Resp: | 48183 |
| Ion      | Ratio | Lower | Upper |
| 202      | 100   |       |       |
| 101      | 9.1   | 6.9   | 10.3  |
| 100      | 5.9   | 6.6   | 10.0# |



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): E



#80

Benzo(a)anthracene

Concen: 1.774 ng/ul

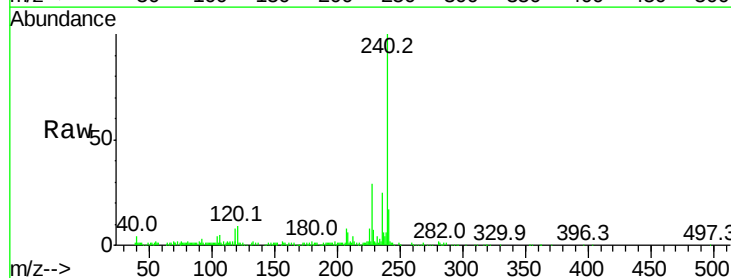
RT: 22.01 min Scan# 3136

Delta R.T. 0.01 min

Lab File: BG028494.D

Acq: 25 Aug 2017 16:24

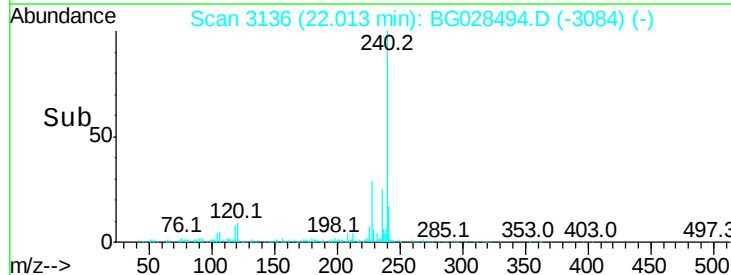
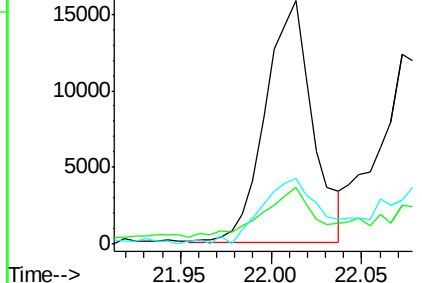
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 228   | Resp: | 28781 |
| Ion      | Ratio | Lower | Upper |
| 228      | 100   |       |       |
| 229      | 23.1  | 16.3  | 24.5  |
| 226      | 26.8  | 21.9  | 32.9  |

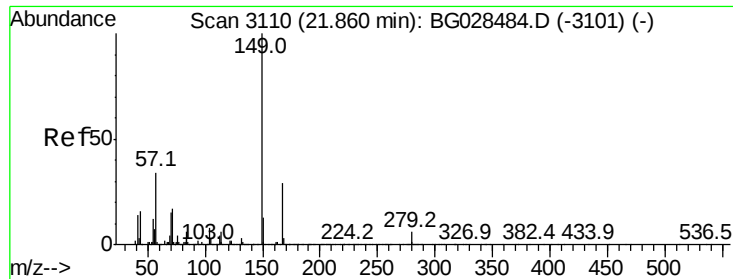


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

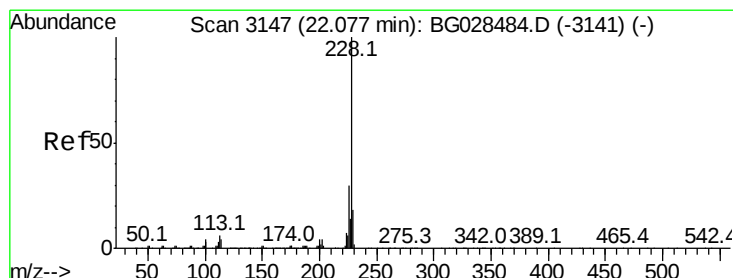
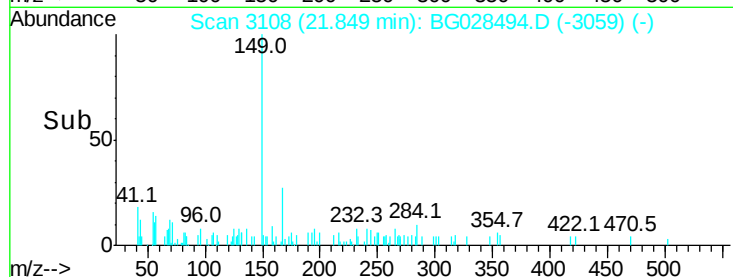
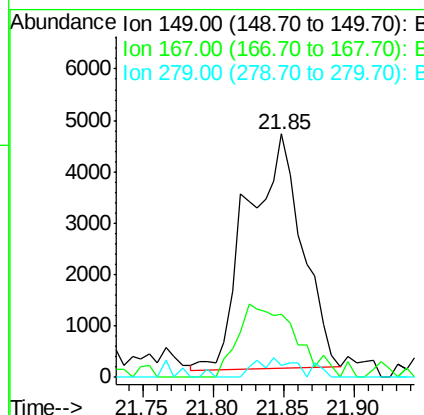
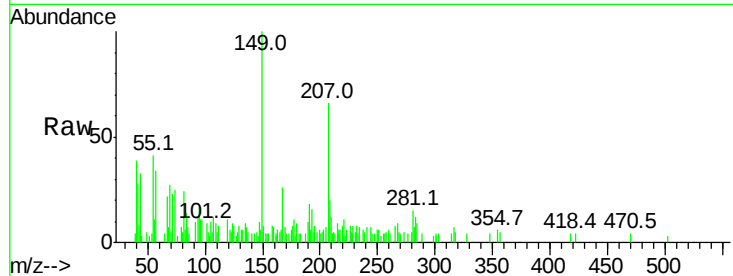




#81  
 Bis(2-ethylhexyl)phthalate  
 Concen: 1.384 ng/ul  
 RT: 21.85 min Scan# 3108  
 Delta R.T. -0.01 min  
 Lab File: BG028494.D  
 Acq: 25 Aug 2017 16:24

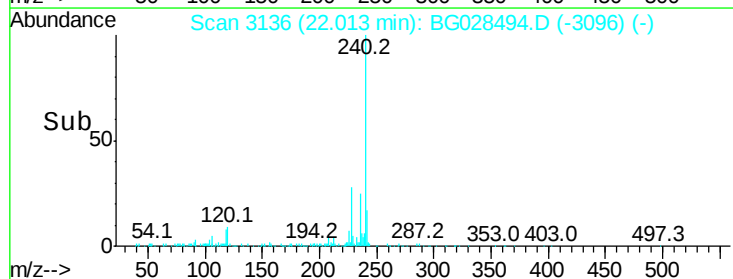
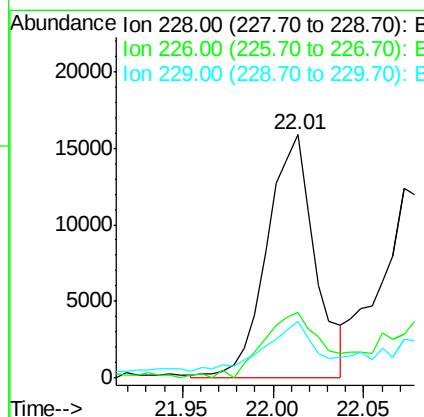
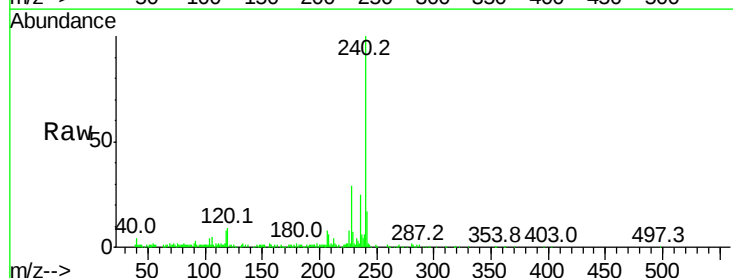
Instrument :  
 BNA\_G  
 ClientSampleId :

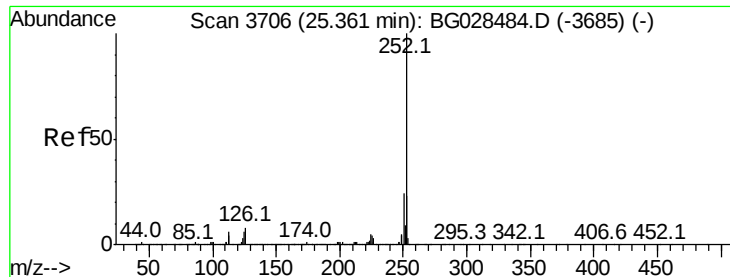
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 26.0  | 21.8  | 32.8  |
| 279     | 4.7   | 4.5   | 6.7   |



#82  
 Chrysene  
 Concen: 2.005 ng/ul  
 RT: 22.01 min Scan# 3136  
 Delta R.T. -0.06 min  
 Lab File: BG028494.D  
 Acq: 25 Aug 2017 16:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 26.8  | 24.0  | 36.0  |
| 229     | 23.1  | 16.9  | 25.3  |





#88

Benzo(a)pyrene

Concen: 1.591 ng/ul

RT: 25.37 min Scan# 3708

Delta R.T. 0.01 min

Lab File: BG028494.D

Acq: 25 Aug 2017 16:24

Instrument :

BNA\_G

ClientSampleId :

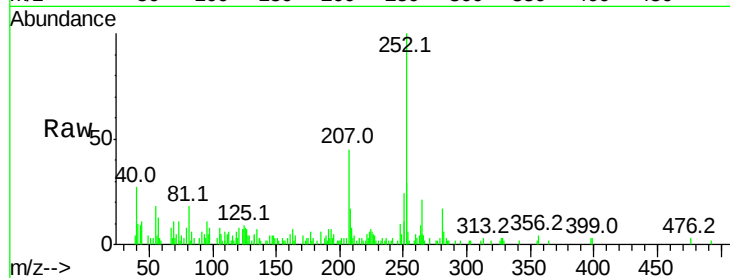
Tot Ion:252 Resp: 25917

Ion Ratio Lower Upper

252 100

253 29.1 17.8 26.6#

125 8.7 5.4 8.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

