

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG030516\  
 Data File : BG021322.D  
 Acq On : 6 Mar 2016 2:26  
 Operator : UM/SJ  
 Sample : H1650-11  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MS-SS-A140

Quant Time: Mar 07 04:52:51 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG030316.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Mar 07 04:51:57 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.13  | 152  | 11149    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.93 | 136  | 53494    | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.73 | 164  | 31261    | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.47 | 188  | 73410    | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.73 | 240  | 79095    | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 24.98 | 264  | 73387    | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |       |       |       |      |
|--------------------------------|-------|-----|-------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.53  | 96  | 662   | 2.41  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.28  | 99  | 15251 | 12.92 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.45  | 67  | 11132 | 14.14 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.66  | 132 | 11388 | 13.82 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.82  | 113 | 11522 | 12.36 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.29  | 128 | 5924  | 13.67 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.01 | 143 | 6059  | 13.12 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.54 | 165 | 10984 | 13.31 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.07 | 131 | 18870 | 18.03 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 14.13 | 166 | 37272 | 14.23 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.43 | 160 | 49439 | 15.17 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.91 | 143 | 5036  | 9.86  | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.72 | 176 | 35192 | 15.30 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.82 | 200 | 5375  | 10.20 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.56 | 188 | 53273 | 14.59 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.84 | 212 | 60295 | 15.06 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 24.75 | 264 | 58385 | 14.74 | ng/ul | 0.00 |

## Target Compounds

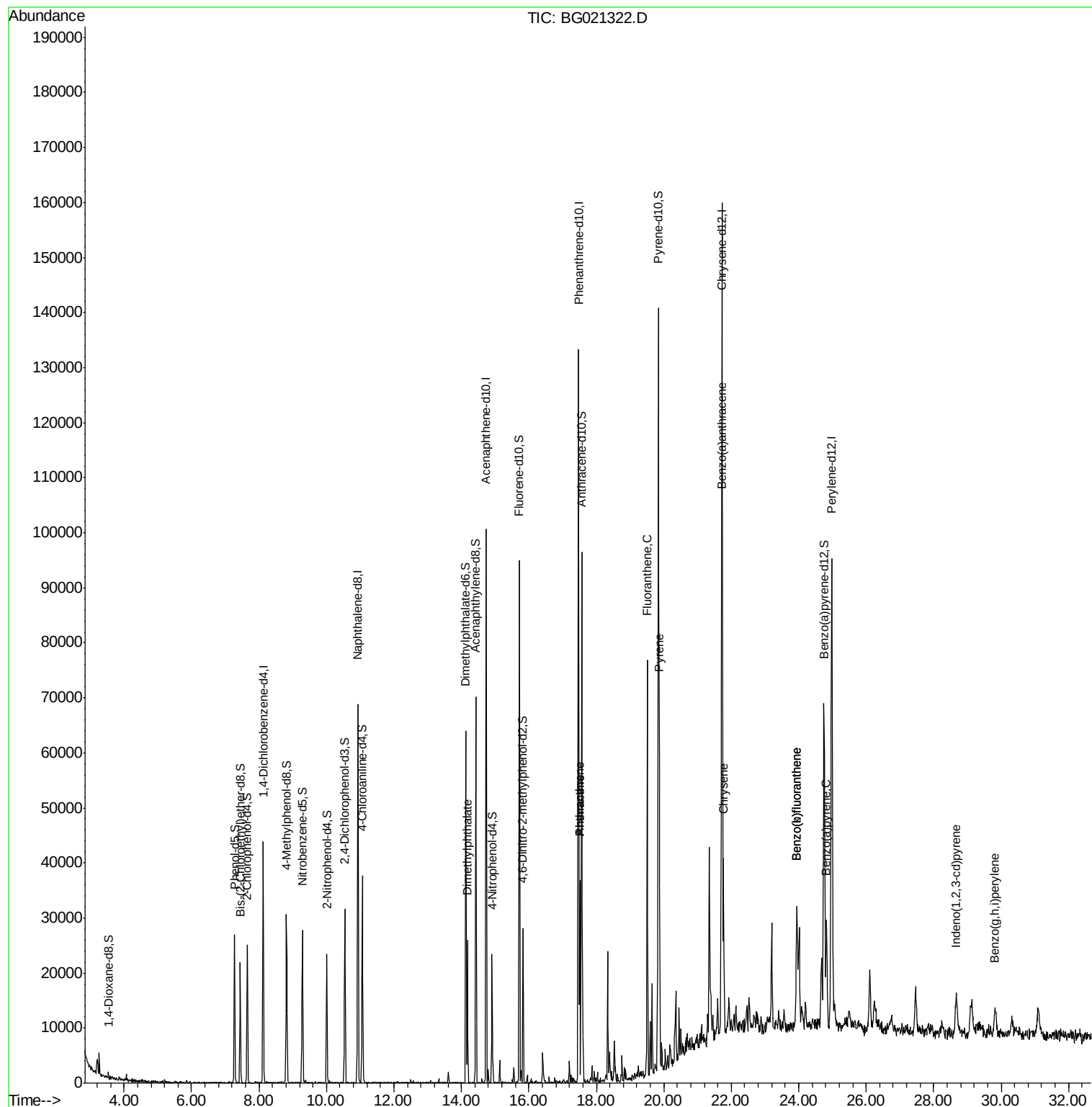
|                            |       |     |       |      |        | Qvalue |
|----------------------------|-------|-----|-------|------|--------|--------|
| 45) Dimethylphthalate      | 14.18 | 163 | 15106 | 5.36 | ng/ul# | 98     |
| 70) Phenanthrene           | 17.51 | 178 | 22067 | 5.00 | ng/ul  | 98     |
| 72) Anthracene             | 17.51 | 178 | 22067 | 4.95 | ng/ul  | 97     |
| 77) Fluoranthene           | 19.51 | 202 | 42716 | 8.27 | ng/ul  | 98     |
| 80) Pyrene                 | 19.87 | 202 | 38753 | 7.31 | ng/ul  | 97     |
| 83) Benzo(a)anthracene     | 21.71 | 228 | 22920 | 4.47 | ng/ul  | 98     |
| 85) Chrysene               | 21.78 | 228 | 20717 | 4.33 | ng/ul  | 96     |
| 88) Benzo(b)fluoranthene   | 23.94 | 252 | 26390 | 5.19 | ng/ul  | 95     |
| 89) Benzo(k)fluoranthene   | 23.94 | 252 | 26390 | 5.39 | ng/ul  | 95     |
| 91) Benzo(a)pyrene         | 24.82 | 252 | 19602 | 4.00 | ng/ul  | 96     |
| 92) Indeno(1,2,3-cd)pyrene | 28.67 | 276 | 6599  | 1.24 | ng/ul  | 95     |
| 94) Benzo(g,h,i)perylene   | 29.82 | 276 | 4968  | 1.12 | ng/ul# | 93     |

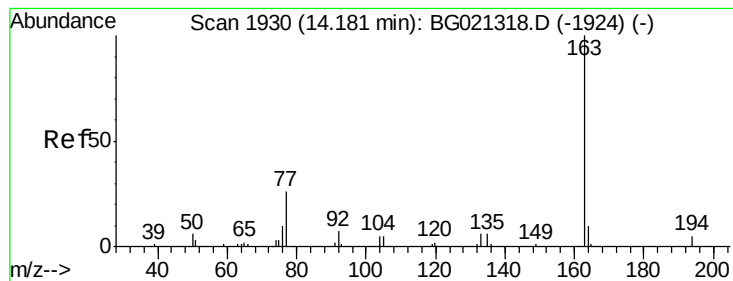
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG030516\  
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MS-SS-A140

Quant Time: Mar 07 04:52:51 2016  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG030316.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Mar 07 04:51:57 2016  
Response via : Initial Calibration





#45

Dimethylphthalate

Concen: 5.36 ng/ul

RT: 14.18 min Scan# 1930

Delta R.T. -0.00 min

Lab File: BG021322.D

Acq: 6 Mar 2016 2:26

Instrument :

BNA\_G

ClientSampleId :

MS-SS-A140

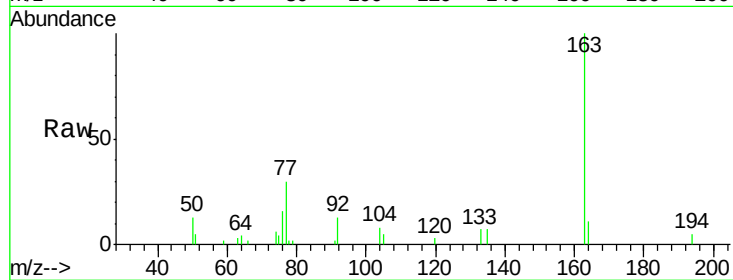
Tgt Ion:163 Resp: 15106

Ion Ratio Lower Upper

163 100

194 4.8 2.8 4.2#

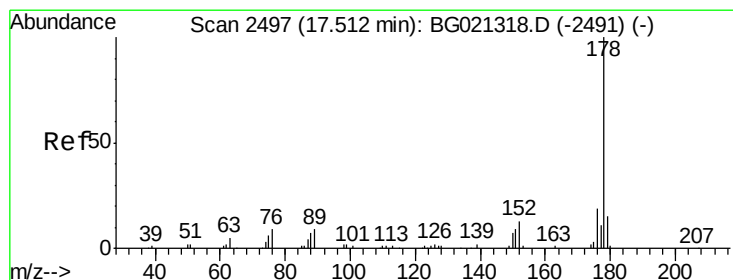
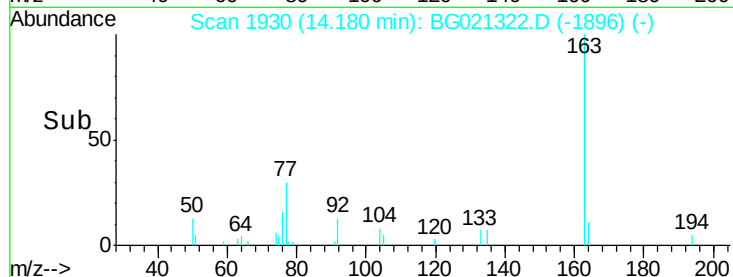
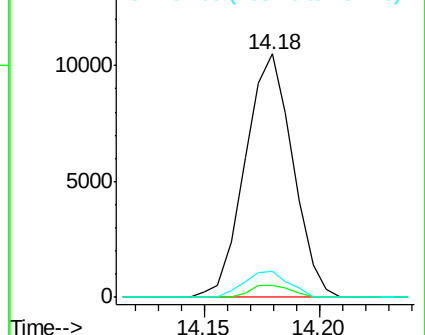
164 10.8 8.2 12.2



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



#70

Phenanthrene

Concen: 5.00 ng/ul

RT: 17.51 min Scan# 2497

Delta R.T. -0.00 min

Lab File: BG021322.D

Acq: 6 Mar 2016 2:26

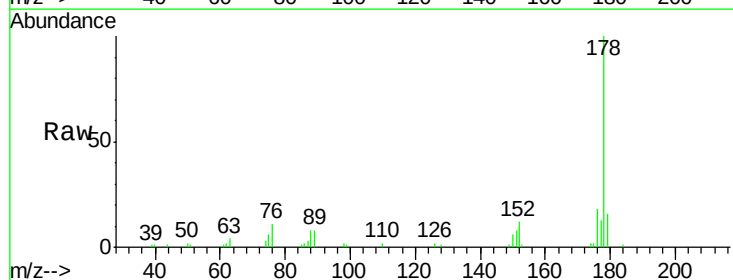
Tgt Ion:178 Resp: 22067

Ion Ratio Lower Upper

178 100

179 15.9 12.3 18.5

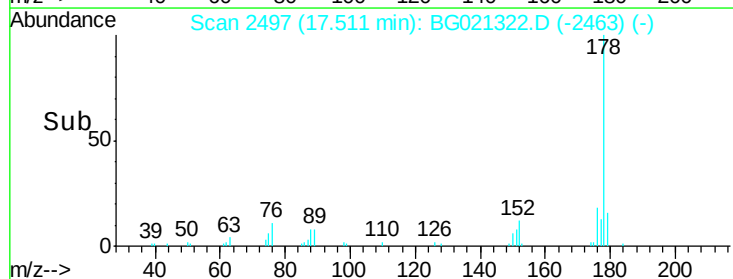
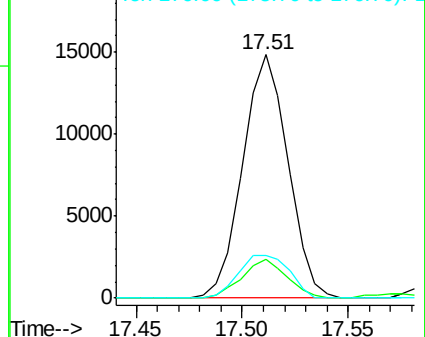
176 17.7 15.1 22.7

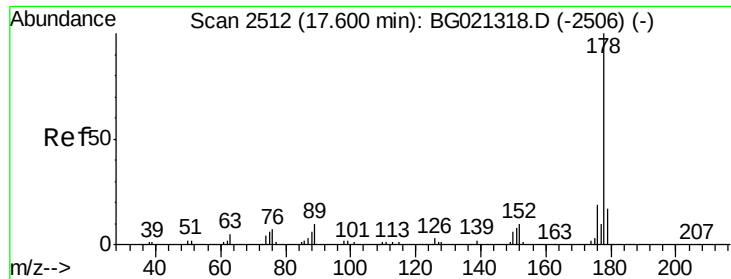


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 4.95 ng/ul

RT: 17.51 min Scan# 2497

Delta R.T. -0.09 min

Lab File: BG021322.D

Acq: 6 Mar 2016 2:26

Instrument :

BNA\_G

ClientSampleId :

MS-SS-A140

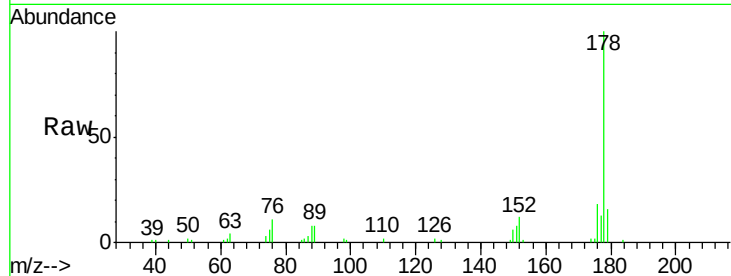
Tgt Ion:178 Resp: 22067

Ion Ratio Lower Upper

178 100

179 15.9 11.8 17.8

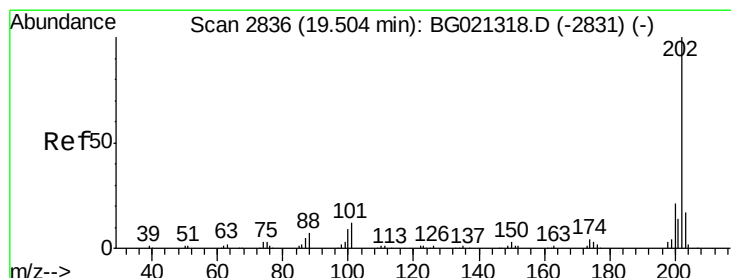
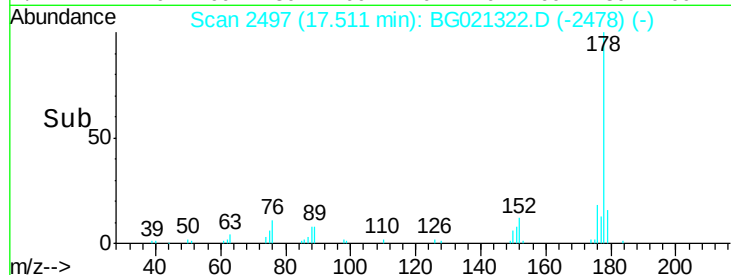
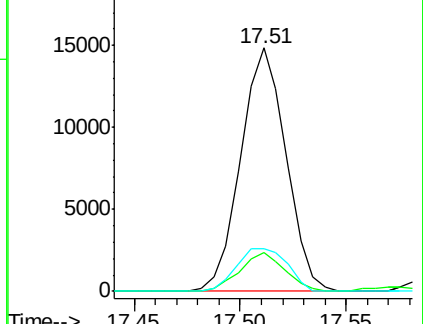
176 17.7 15.2 22.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#77

Fluoranthene

Concen: 8.27 ng/ul

RT: 19.51 min Scan# 2837

Delta R.T. 0.00 min

Lab File: BG021322.D

Acq: 6 Mar 2016 2:26

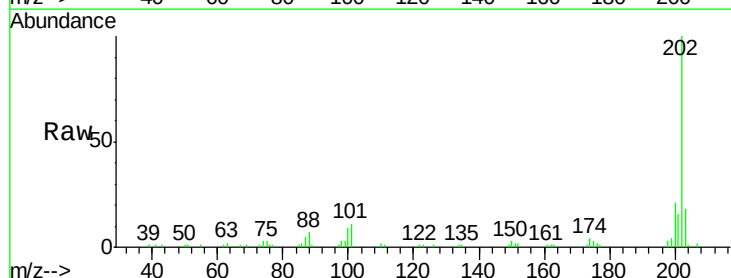
Tgt Ion:202 Resp: 42716

Ion Ratio Lower Upper

202 100

101 11.4 9.9 14.9

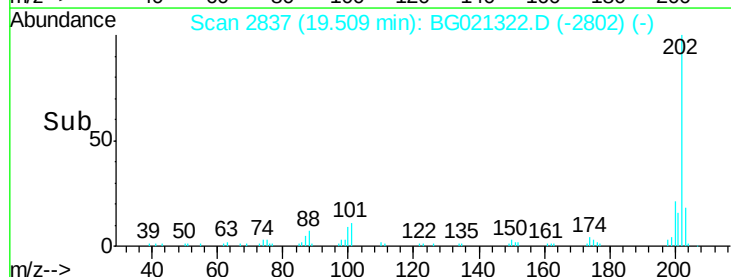
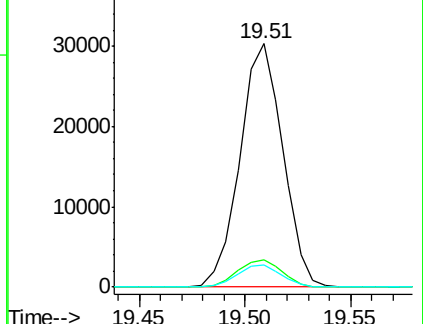
100 9.1 7.4 11.0

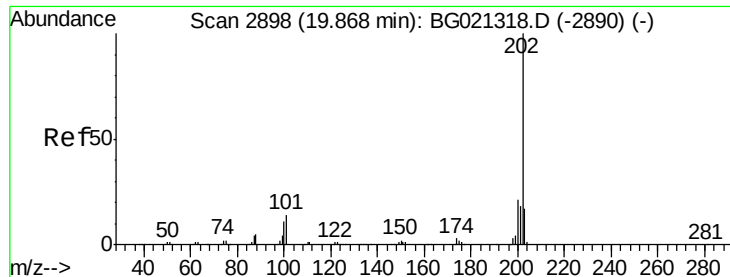


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

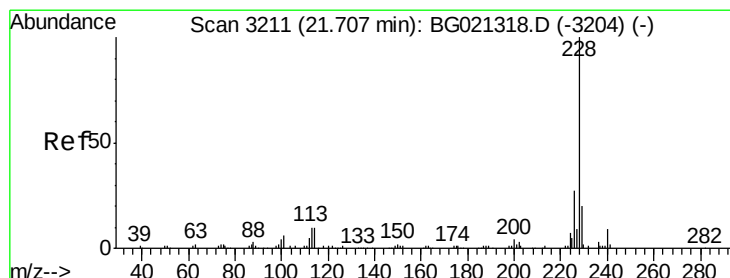
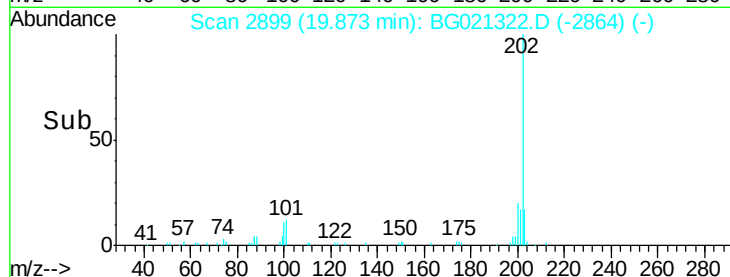
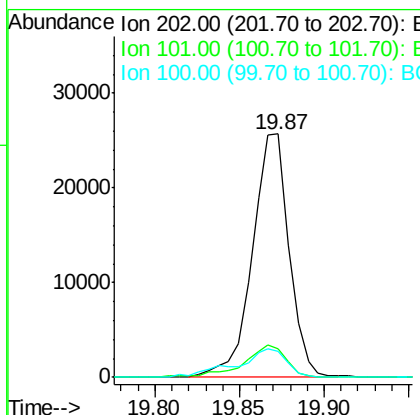
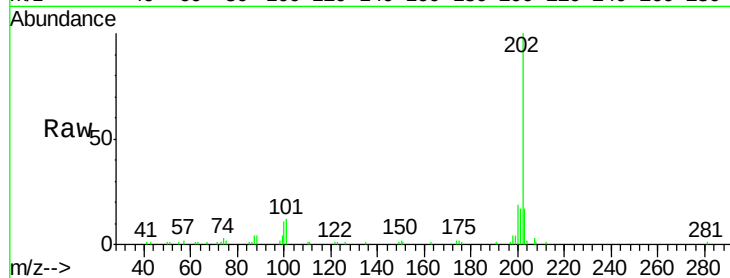




#80  
 Pyrene  
 Concen: 7.31 ng/ul  
 RT: 19.87 min Scan# 2899  
 Delta R.T. 0.00 min  
 Lab File: BG021322.D  
 Acq: 6 Mar 2016 2:26

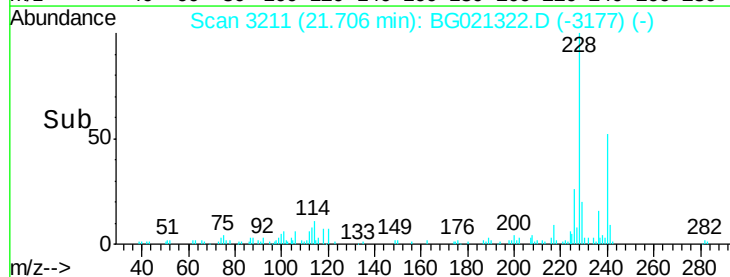
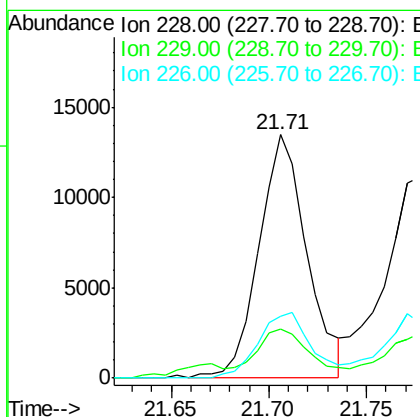
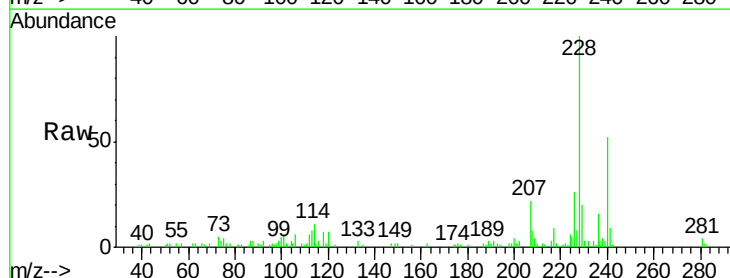
Instrument :  
 BNA\_G  
 ClientSampleId :  
 MS-SS-A140

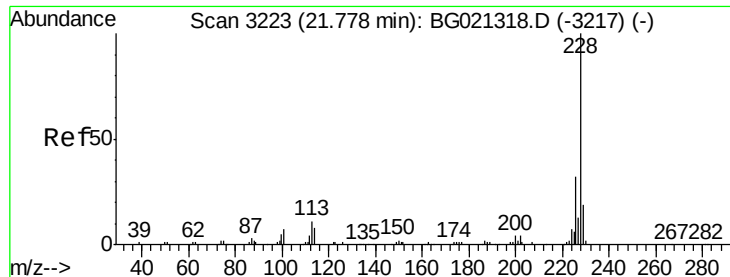
Tgt Ion:202 Resp: 38753  
 Ion Ratio Lower Upper  
 202 100  
 101 11.7 11.0 16.4  
 100 10.6 8.1 12.1



#83  
 Benzo(a)anthracene  
 Concen: 4.47 ng/ul  
 RT: 21.71 min Scan# 3211  
 Delta R.T. -0.00 min  
 Lab File: BG021322.D  
 Acq: 6 Mar 2016 2:26

Tgt Ion:228 Resp: 22920  
 Ion Ratio Lower Upper  
 228 100  
 229 20.3 15.7 23.5  
 226 25.6 21.1 31.7





#85

Chrysene

Concen: 4.33 ng/ul

RT: 21.78 min Scan# 3223

Delta R.T. -0.00 min

Lab File: BG021322.D

Acq: 6 Mar 2016 2:26

Instrument :

BNA\_G

ClientSampleId :

MS-SS-A140

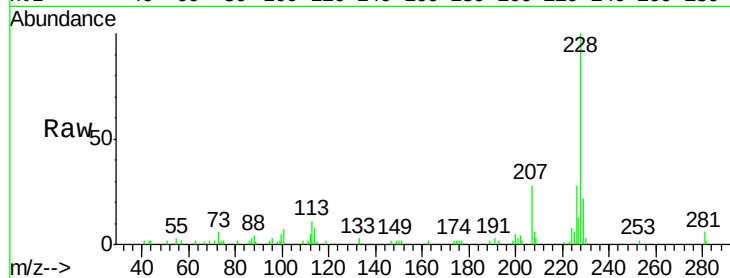
Tgt Ion:228 Resp: 20717

Ion Ratio Lower Upper

228 100

226 28.4 24.5 36.7

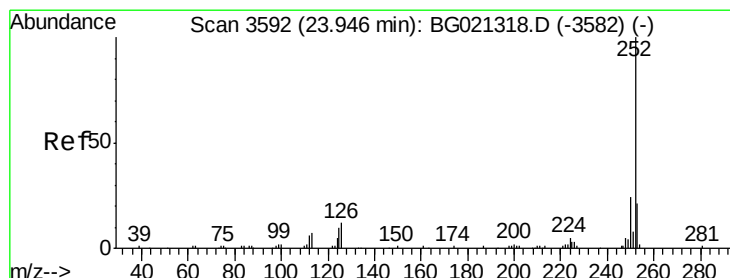
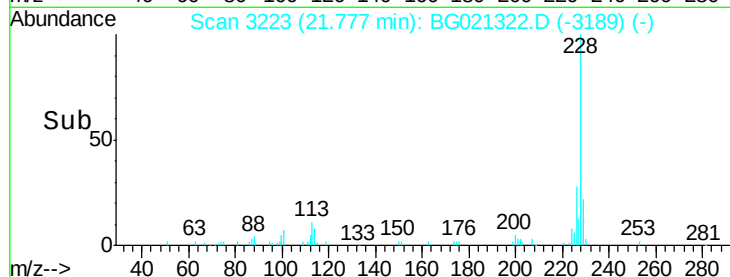
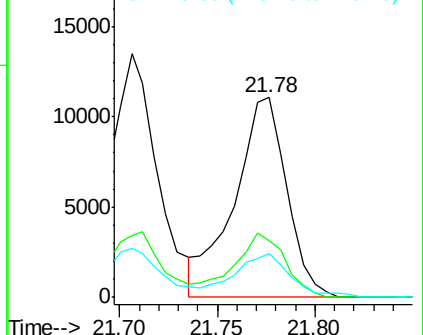
229 21.7 15.8 23.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#88

Benzo(b)fluoranthene

Concen: 5.19 ng/ul

RT: 23.94 min Scan# 3591

Delta R.T. -0.01 min

Lab File: BG021322.D

Acq: 6 Mar 2016 2:26

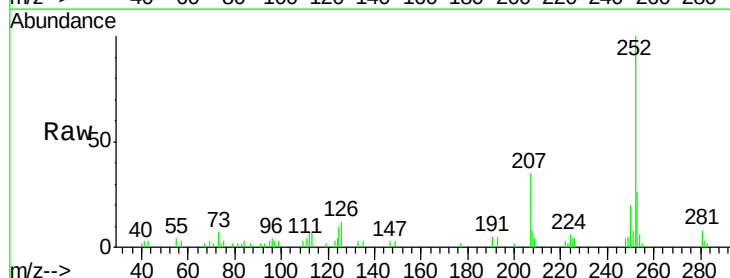
Tgt Ion:252 Resp: 26390

Ion Ratio Lower Upper

252 100

253 25.9 18.0 27.0

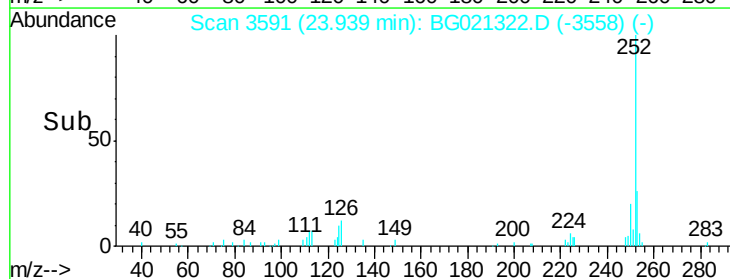
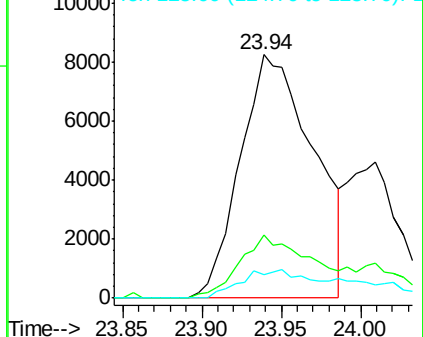
125 9.8 8.0 12.0

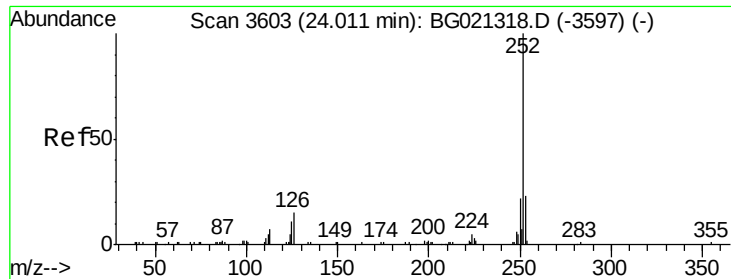


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

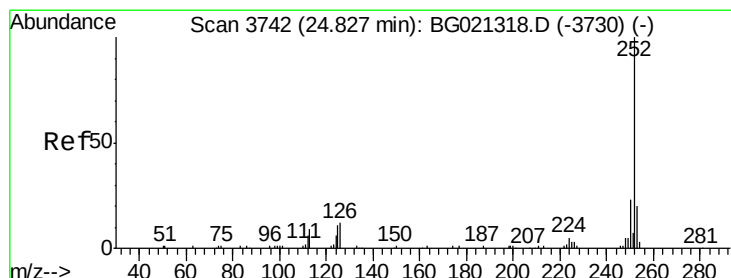
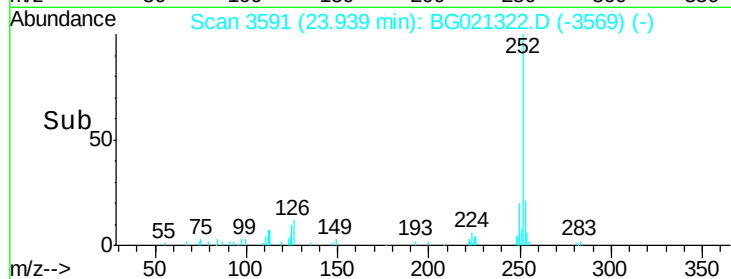
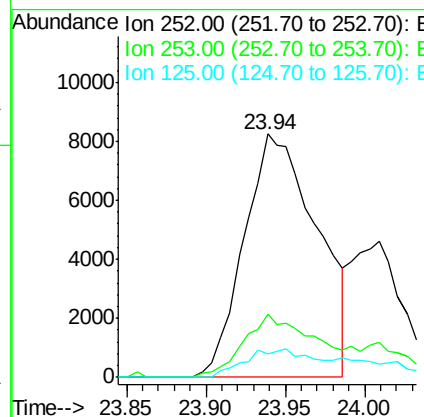
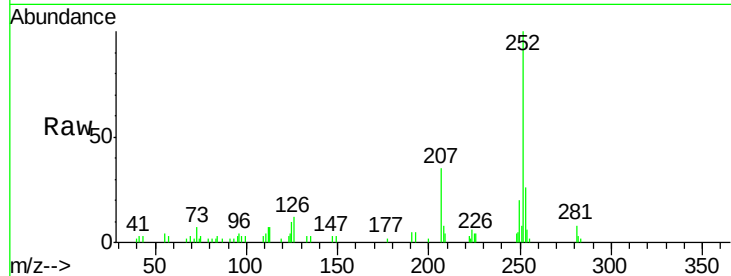




#89  
Benzo(k)fluoranthene  
Concen: 5.39 ng/ul  
RT: 23.94 min Scan# 3591  
Delta R.T. -0.07 min  
Lab File: BG021322.D  
Acq: 6 Mar 2016 2:26

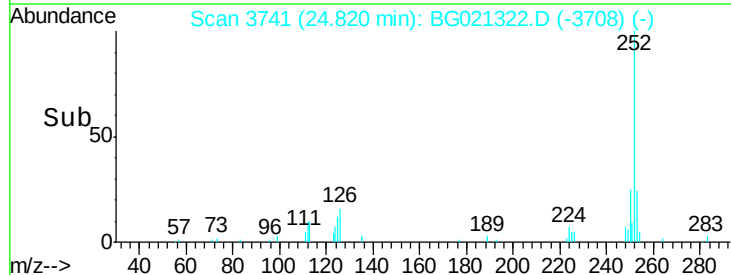
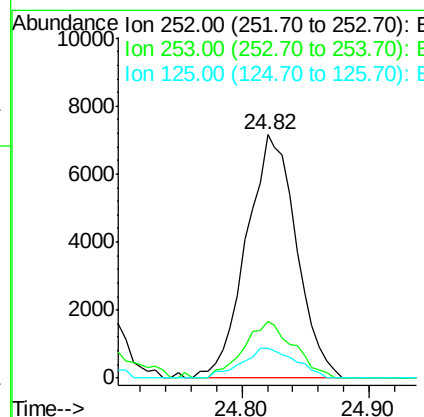
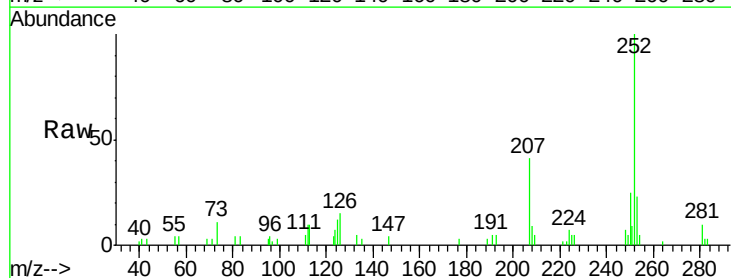
Instrument :  
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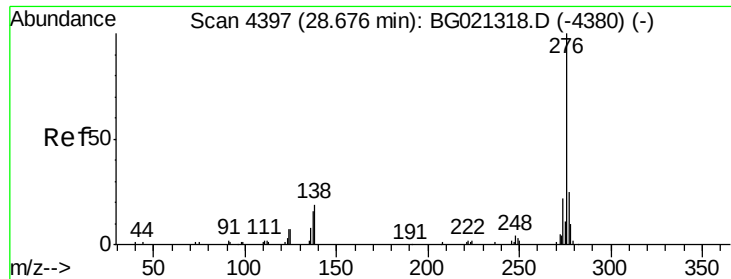
Tgt Ion:252 Resp: 26390  
Ion Ratio Lower Upper  
252 100  
253 25.9 18.0 27.0  
125 9.8 8.1 12.1



#91  
Benzo(a)pyrene  
Concen: 4.00 ng/ul  
RT: 24.82 min Scan# 3741  
Delta R.T. -0.01 min  
Lab File: BG021322.D  
Acq: 6 Mar 2016 2:26

Tgt Ion:252 Resp: 19602  
Ion Ratio Lower Upper  
252 100  
253 23.5 17.2 25.8  
125 12.2 8.2 12.4





#92

Indeno(1,2,3-cd)pyrene

Concen: 1.24 ng/ul

RT: 28.67 min Scan# 4397

Delta R.T. -0.00 min

Lab File: BG021322.D

Acq: 6 Mar 2016 2:26

Instrument :

BNA\_G

ClientSampleId :

MS-SS-A140

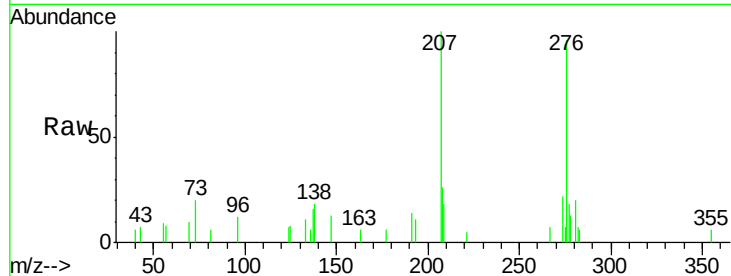
Tgt Ion:276 Resp: 6599

Ion Ratio Lower Upper

276 100

138 18.3 14.4 21.6

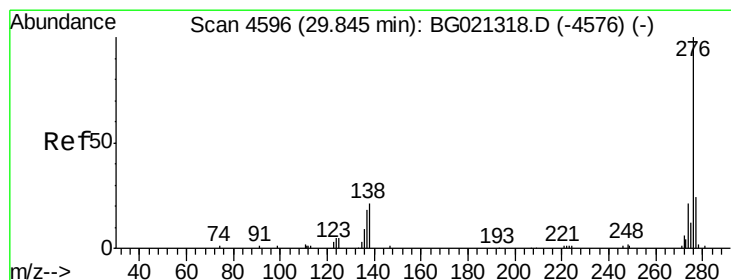
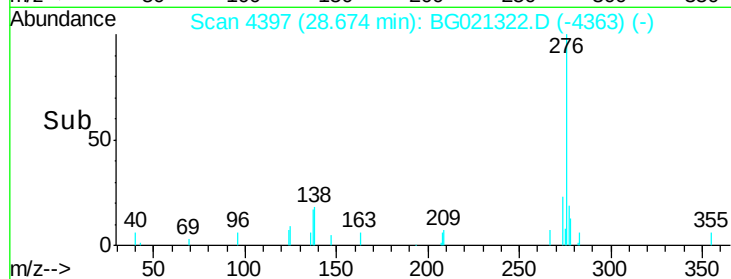
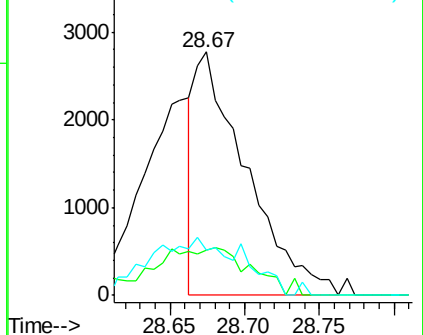
277 18.7 18.0 27.0



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



#94

Benzo(g,h,i)perylene

Concen: 1.12 ng/ul

RT: 29.82 min Scan# 4592

Delta R.T. -0.02 min

Lab File: BG021322.D

Acq: 6 Mar 2016 2:26

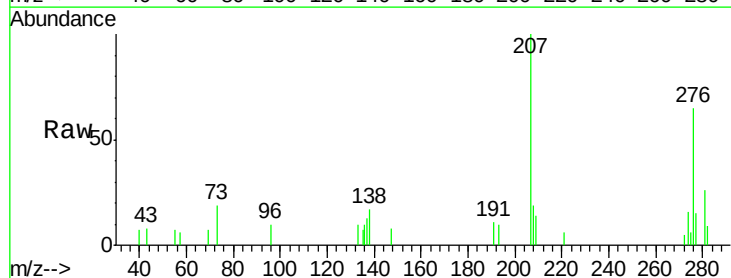
Tgt Ion:276 Resp: 4968

Ion Ratio Lower Upper

276 100

138 26.3 15.3 22.9#

277 23.4 19.0 28.4



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

