

Data Path : Z:\HPCHEM1\BNA G\DATA\BG103017\  
 Data File : BG030593.D  
 Acq On : 31 Oct 2017 00:24  
 Operator : SJ/JU  
 Sample : I5842-16  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Oct 31 07:18:25 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG101417.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Oct 31 07:15:18 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.16  | 152  | 83103    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.97 | 136  | 407178   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.77 | 164  | 271081   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.52 | 188  | 608658   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.79 | 240  | 657584   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 25.10 | 264  | 661693   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.55  | 96  | 11994   | 5.87  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.31  | 99  | 254370  | 31.89 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.48  | 67  | 148026  | 29.66 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.69  | 132 | 200703  | 35.67 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.86  | 113 | 216632  | 33.63 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.33  | 128 | 105161  | 35.98 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.05 | 143 | 130332  | 43.52 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.59 | 165 | 243258  | 35.64 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.10 | 131 | 260014  | 32.79 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 14.18 | 166 | 789920  | 34.08 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.47 | 160 | 975319  | 34.60 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.96 | 143 | 116579  | 27.25 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.77 | 176 | 705476  | 37.17 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.88 | 200 | 120646  | 40.61 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.61 | 188 | 970830  | 33.73 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.89 | 212 | 1146593 | 33.68 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 24.88 | 264 | 1143989 | 36.50 | ng/ul | 0.00 |

## Target Compounds

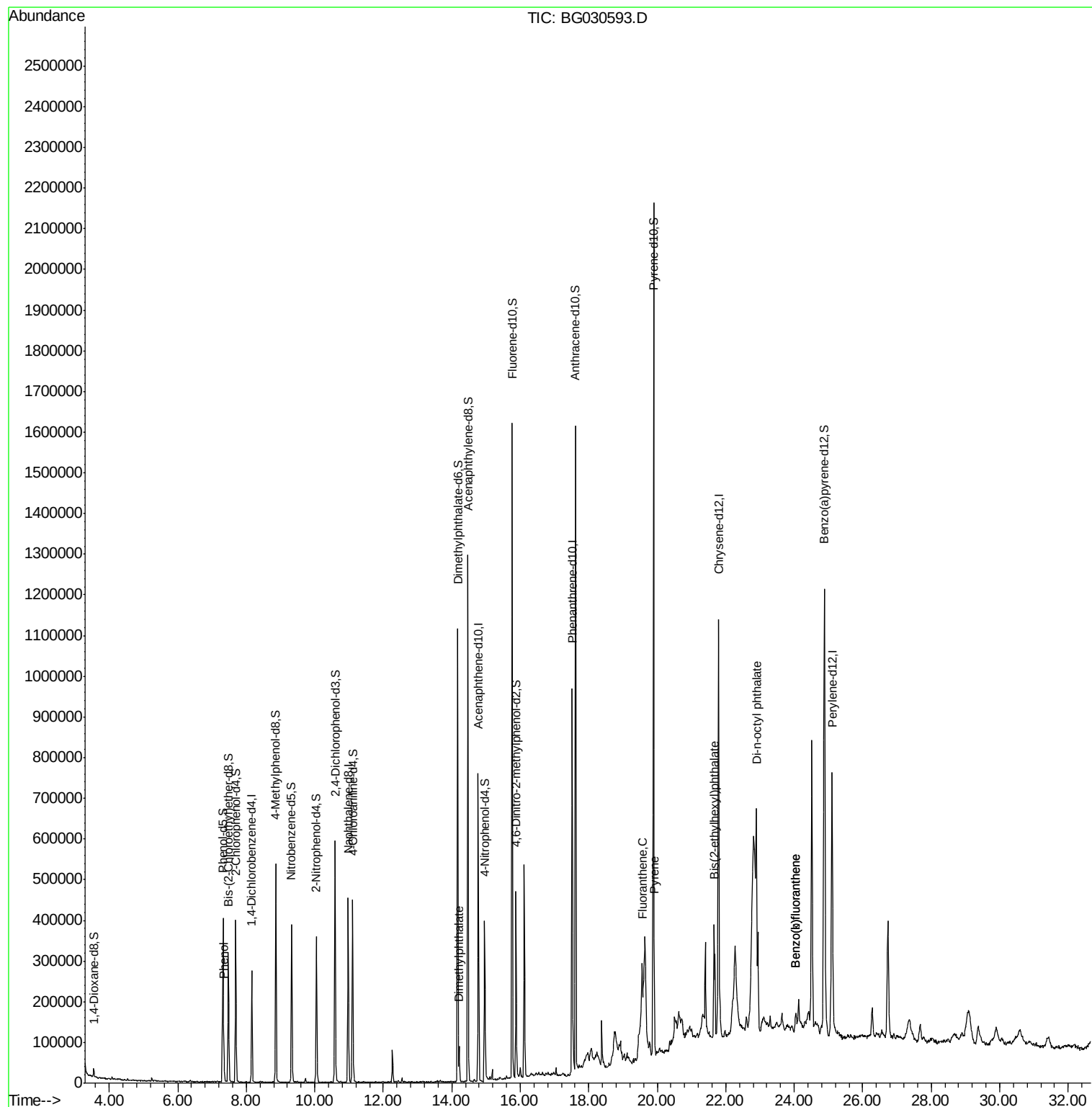
|                                |       |     |        |      |        | Ovalue |
|--------------------------------|-------|-----|--------|------|--------|--------|
| 6) Phenol                      | 7.34  | 94  | 45469  | 5.51 | ng/ul  | 91     |
| 44) Dimethylphthalate          | 14.22 | 163 | 53487  | 2.37 | ng/ul  | 99     |
| 74) Fluoranthene               | 19.56 | 202 | 75784  | 2.06 | ng/ul  | 98     |
| 77) Pyrene                     | 19.92 | 202 | 61738  | 1.40 | ng/ul# | 95     |
| 81) Bis(2-ethylhexyl)phthalate | 21.65 | 149 | 117524 | 4.54 | ng/ul# | 98     |
| 84) Di-n-octyl phthalate       | 22.89 | 149 | 389192 | 8.79 | ng/ul  | 100    |
| 85) Benzo(b)fluoranthene       | 24.05 | 252 | 57923  | 1.46 | ng/ul  | 99     |
| 86) Benzo(k)fluoranthene       | 24.05 | 252 | 57923  | 1.51 | ng/ul  | 99     |

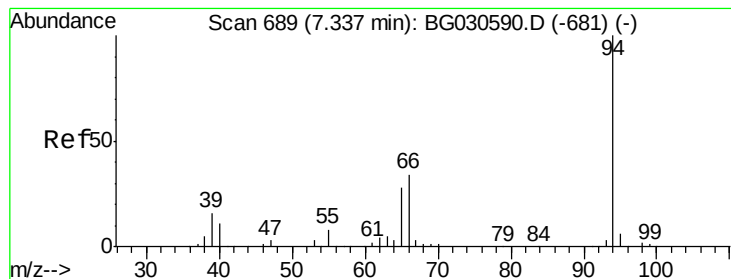
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 5.51 ng/ul

RT: 7.34 min Scan# 690

Delta R.T. 0.00 min

Lab File: BG030593.D

Acq: 31 Oct 2017 00:24

Instrument :

BNA\_G

ClientSampleId :

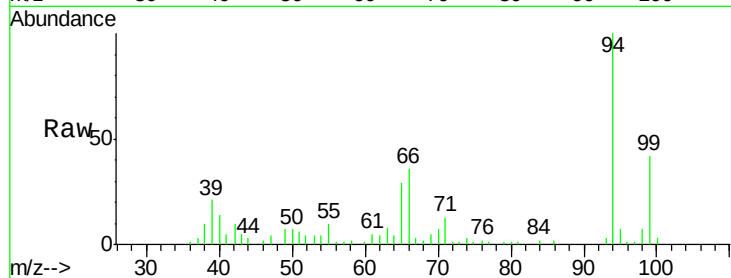
Tot Ion: 94 Resp: 45469

Ion Ratio Lower Upper

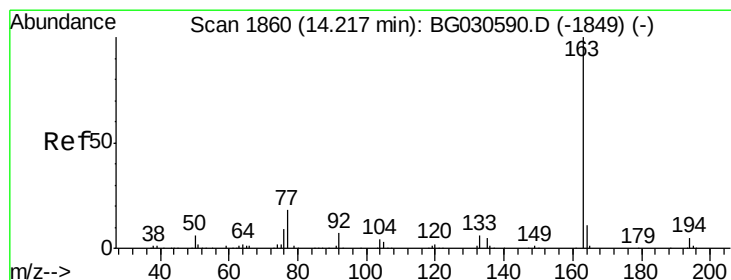
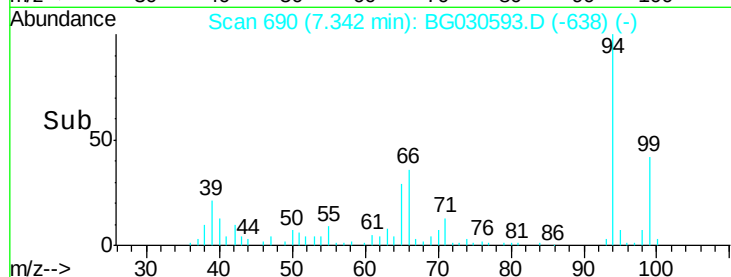
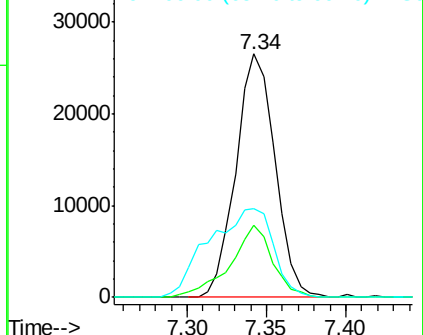
94 100

65 29.4 27.1 40.7

66 36.4 34.6 52.0



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: 2.37 ng/ul

RT: 14.22 min Scan# 1860

Delta R.T. -0.00 min

Lab File: BG030593.D

Acq: 31 Oct 2017 00:24

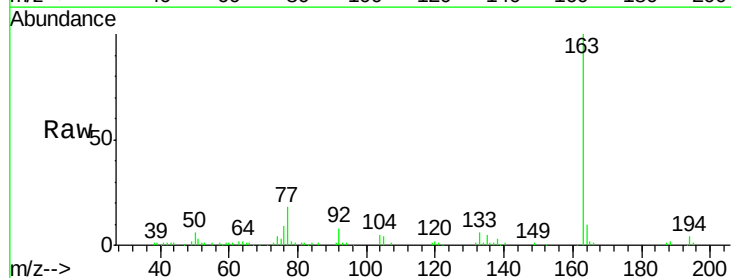
Tgt Ion:163 Resp: 53487

Ion Ratio Lower Upper

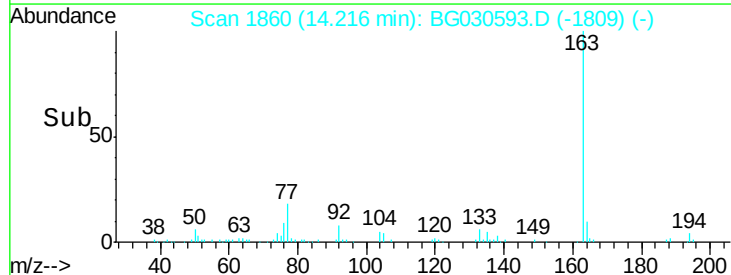
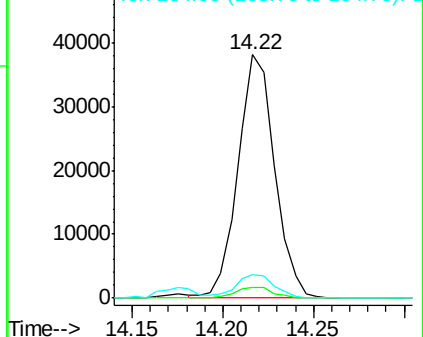
163 100

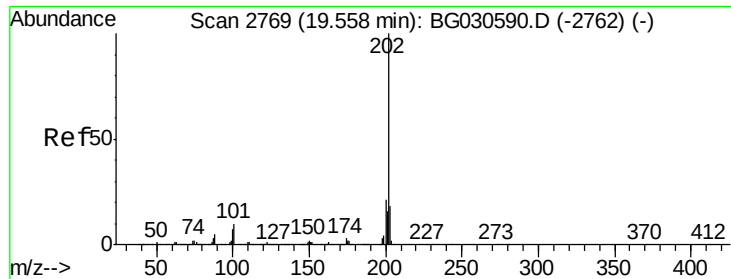
194 4.2 3.5 5.3

164 9.8 7.6 11.4



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

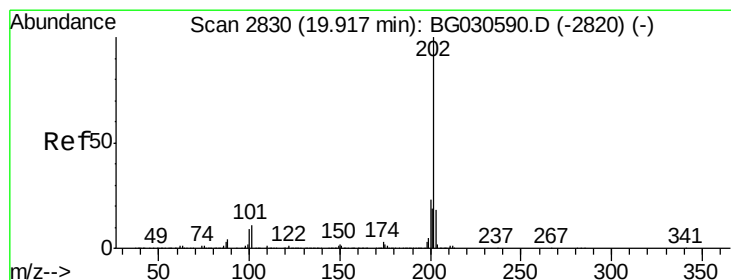
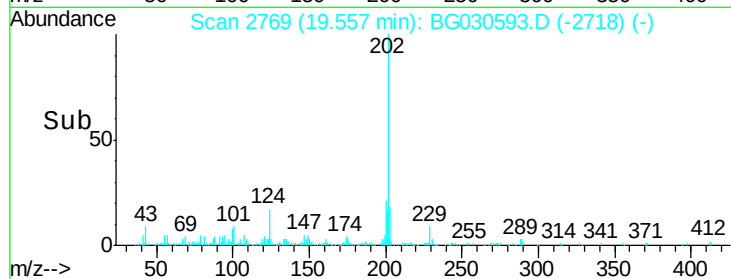
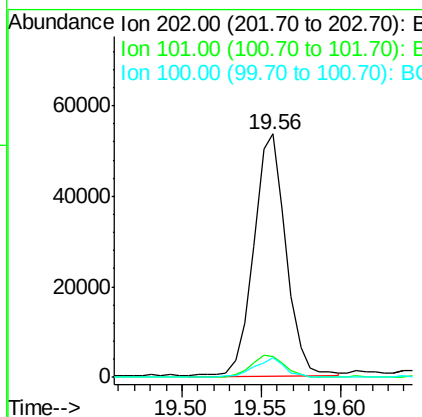
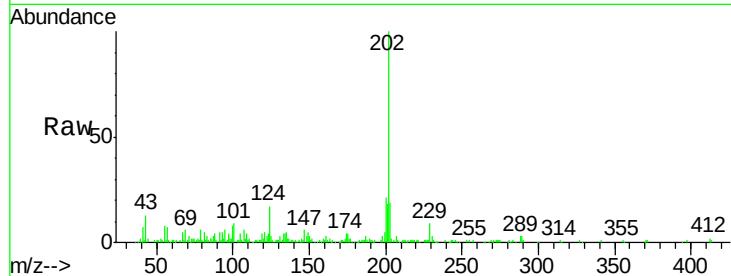




#74  
 Fluoranthene  
 Concen: 2.06 ng/ul  
 RT: 19.56 min Scan# 2769  
 Delta R.T. -0.00 min  
 Lab File: BG030593.D  
 Acq: 31 Oct 2017 00:24

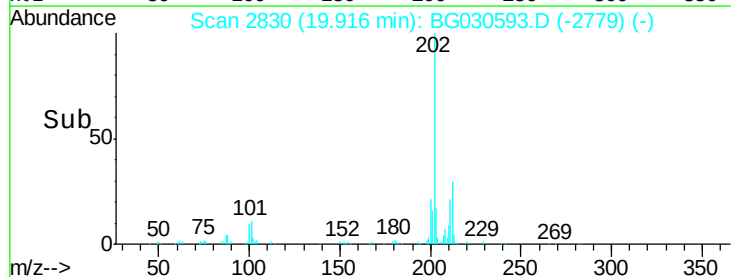
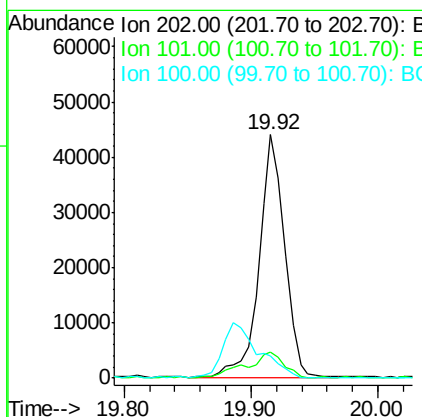
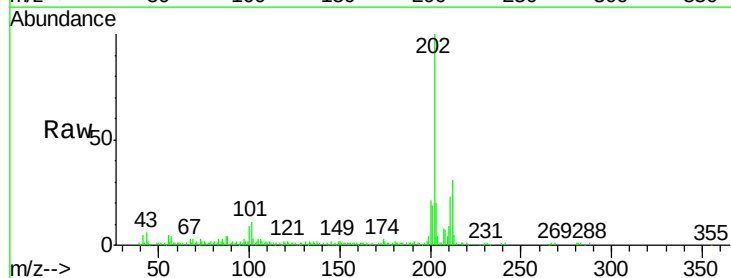
Instrument :  
 BNA\_G  
 ClientSampleId :

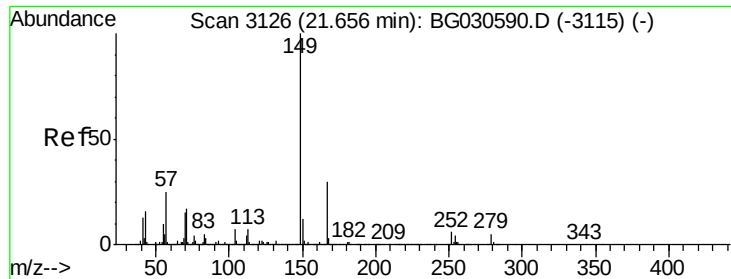
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 8.7   | 7.4   | 11.2  |
| 100     | 8.3   | 5.6   | 8.4   |



#77  
 Pyrene  
 Concen: 1.40 ng/ul  
 RT: 19.92 min Scan# 2830  
 Delta R.T. -0.00 min  
 Lab File: BG030593.D  
 Acq: 31 Oct 2017 00:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 13.3  | 8.4   | 12.6# |
| 100     | 9.3   | 7.0   | 10.6  |





#81

Bis(2-ethylhexyl)phthalate

Concen: 4.54 ng/ul

RT: 21.65 min Scan# 3126

Delta R.T. -0.00 min

Lab File: BG030593.D

Acq: 31 Oct 2017 00:24

Instrument :

BNA\_G

ClientSampleId :

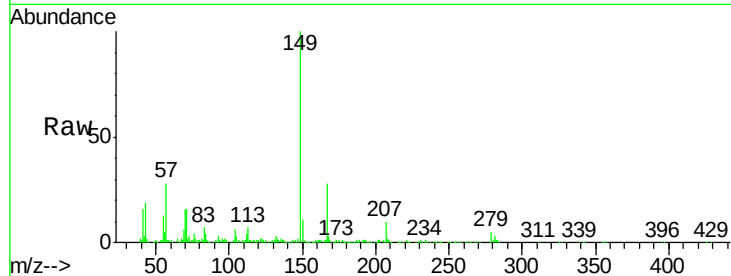
Tot Ion:149 Resp: 117524

Ion Ratio Lower Upper

149 100

167 28.2 23.2 34.8

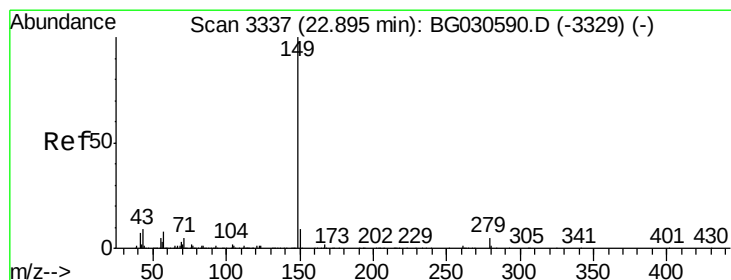
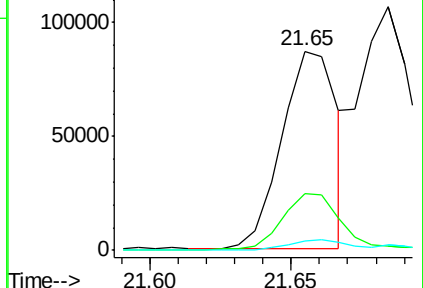
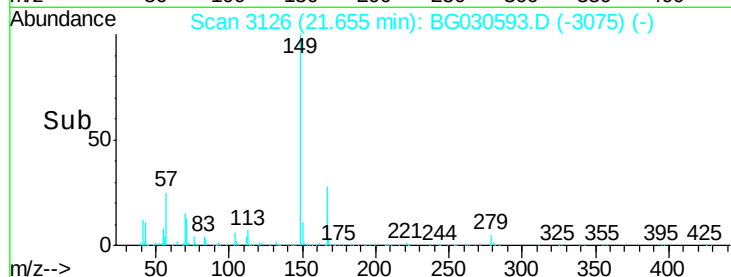
279 4.8 3.1 4.7#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 8.79 ng/ul

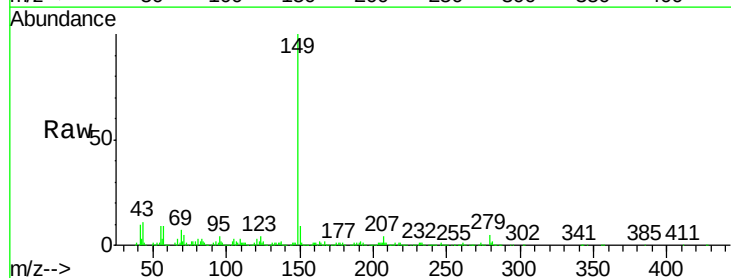
RT: 22.89 min Scan# 3337

Delta R.T. -0.00 min

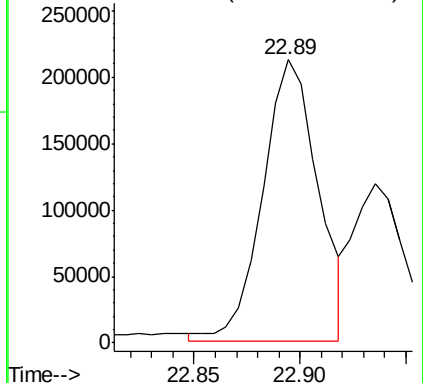
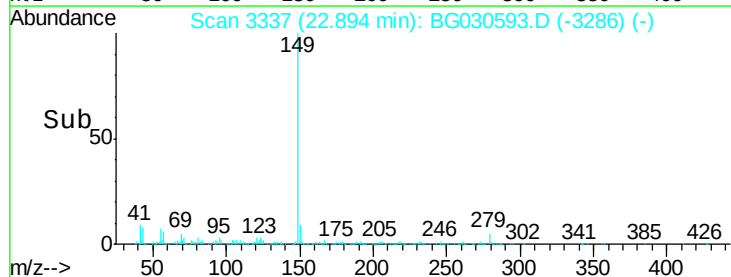
Lab File: BG030593.D

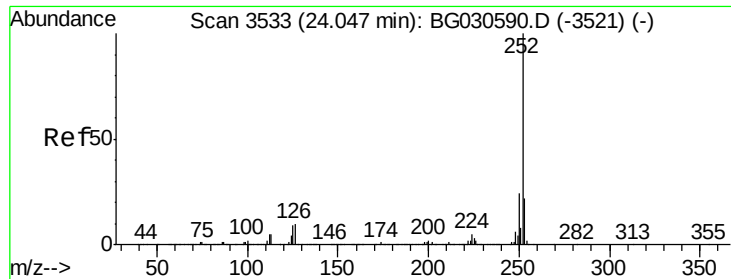
Acq: 31 Oct 2017 00:24

Tgt Ion:149 Resp: 389192



Abundance Ion 149.00 (148.70 to 149.70): E





#85

Benzo(b)fluoranthene

Concen: 1.46 ng/ul

RT: 24.05 min Scan# 3533

Delta R.T. -0.00 min

Lab File: BG030593.D

Acq: 31 Oct 2017 00:24

Instrument :

BNA\_G

ClientSampleId :

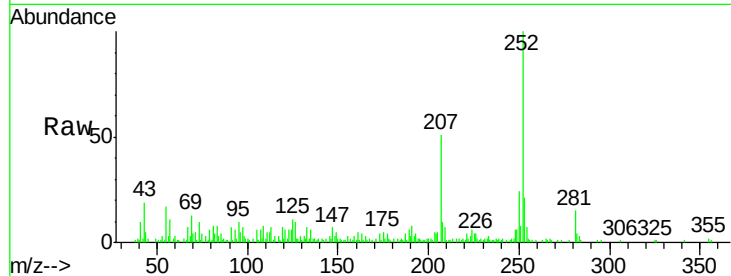
Tot Ion:252 Resp: 57923

Ion Ratio Lower Upper

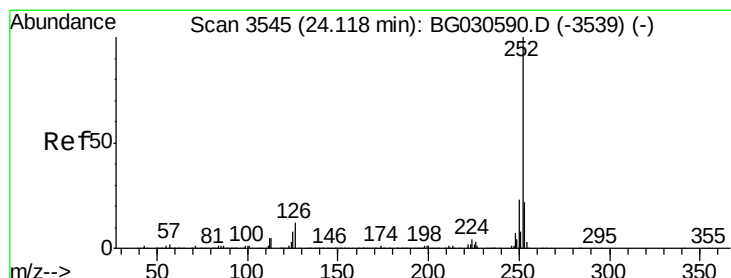
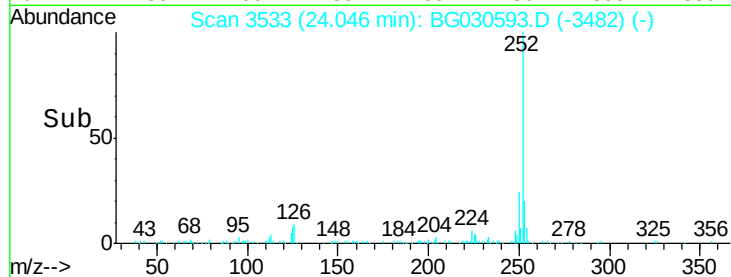
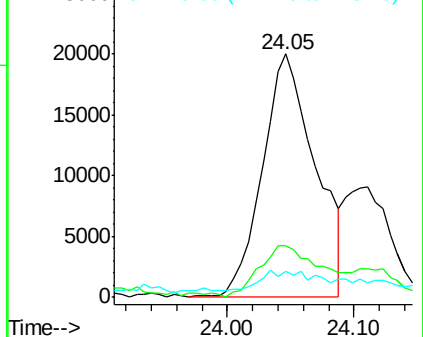
252 100

253 21.1 17.0 25.4

125 10.5 7.5 11.3



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



#86

Benzo(k)fluoranthene

Concen: 1.51 ng/ul

RT: 24.05 min Scan# 3533

Delta R.T. -0.07 min

Lab File: BG030593.D

Acq: 31 Oct 2017 00:24

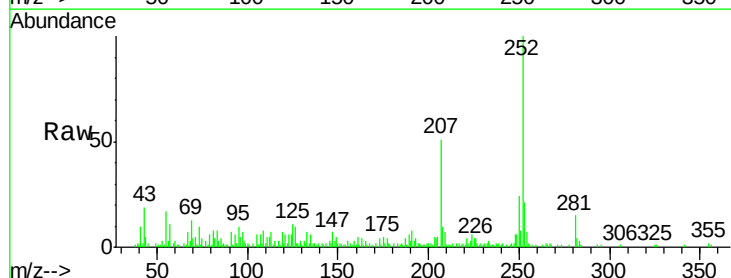
Tgt Ion:252 Resp: 57923

Ion Ratio Lower Upper

252 100

253 21.1 17.2 25.8

125 10.5 7.8 11.8



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

