

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG012417\  
 Data File : BG025618.D  
 Acq On : 24 Jan 2017 21:49  
 Operator : UM/SJ  
 Sample : I1316-17  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BDNZ7

Quant Time: Jan 25 02:36:02 2017  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG011817.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Jan 25 02:29:56 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.18  | 152  | 78095    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.00 | 136  | 375541   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.81 | 164  | 343820   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.56 | 188  | 780569   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.84 | 240  | 945648   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 25.23 | 264  | 983538   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.51  | 96  | 5628    | 3.61  | ng/uL | 0.01 |
| 5) Phenol-d5                   | 7.34  | 99  | 152584  | 22.80 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.49  | 67  | 111802  | 25.86 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.71  | 132 | 112532  | 23.84 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.90  | 113 | 127779  | 22.46 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.36  | 128 | 70427   | 26.46 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.09 | 143 | 75645   | 23.82 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.63 | 165 | 138688  | 22.13 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.16 | 131 | 159011  | 22.70 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 14.20 | 166 | 591235  | 24.35 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.51 | 160 | 645720  | 24.62 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 15.05 | 143 | 70312   | 21.13 | ng/ul | 0.01 |
| 57) Fluorene-d10               | 15.80 | 176 | 529490  | 23.14 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.94 | 200 | 106048  | 22.03 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.66 | 188 | 836395  | 25.17 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.93 | 212 | 1043926 | 26.53 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 24.99 | 264 | 1098592 | 26.58 | ng/ul | 0.00 |

## Target Compounds

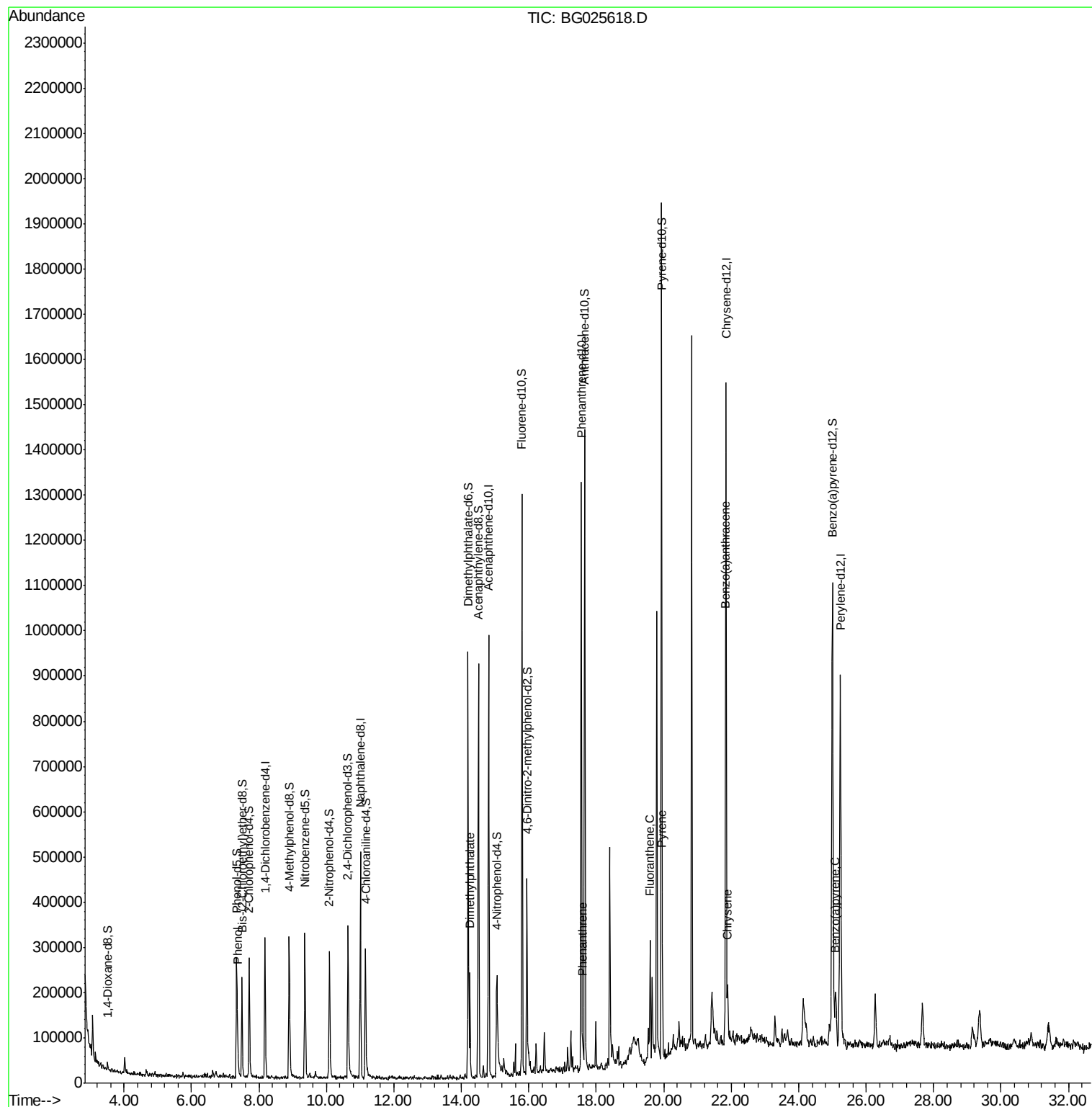
|                        |       |     |        |      |        | Qvalue |
|------------------------|-------|-----|--------|------|--------|--------|
| 6) Phenol              | 7.36  | 94  | 26739  | 3.80 | ng/ul# | 82     |
| 44) Dimethylphthalate  | 14.25 | 163 | 144288 | 6.04 | ng/ul# | 97     |
| 69) Phenanthrene       | 17.60 | 178 | 65994  | 1.74 | ng/ul  | 99     |
| 74) Fluoranthene       | 19.60 | 202 | 171156 | 3.82 | ng/ul# | 96     |
| 77) Pyrene             | 19.96 | 202 | 142384 | 3.06 | ng/ul# | 97     |
| 80) Benzo(a)anthracene | 21.83 | 228 | 115456 | 2.31 | ng/ul# | 91     |
| 82) Chrysene           | 21.89 | 228 | 84106  | 1.79 | ng/ul# | 95     |
| 88) Benzo(a)pyrene     | 25.07 | 252 | 74224  | 1.54 | ng/ul# | 96     |

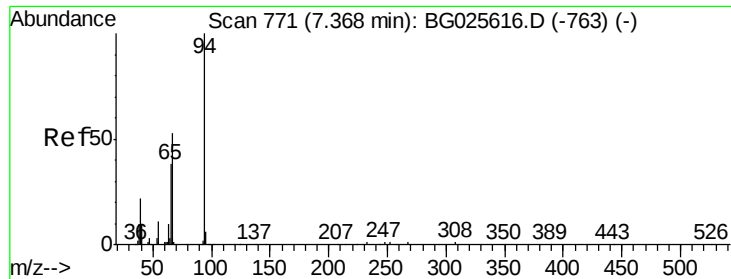
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 3.80 ng/ul

RT: 7.36 min Scan# 770

Delta R.T. -0.01 min

Lab File: BG025618.D

Acq: 24 Jan 2017 21:49

Instrument :

BNA\_G

ClientSampleId :

BDNZ7

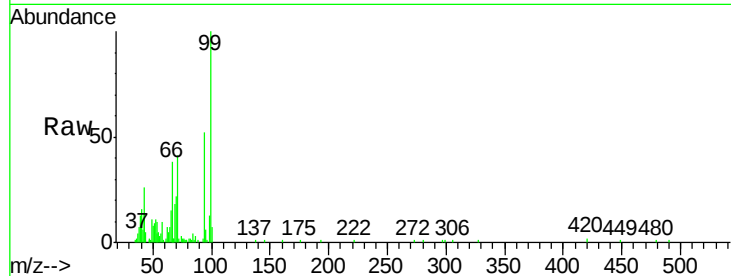
Tgt Ion: 94 Resp: 26739

Ion Ratio Lower Upper

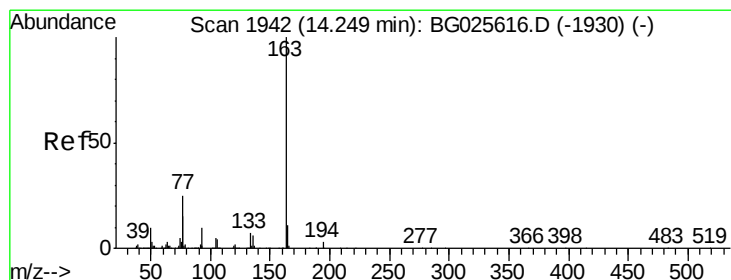
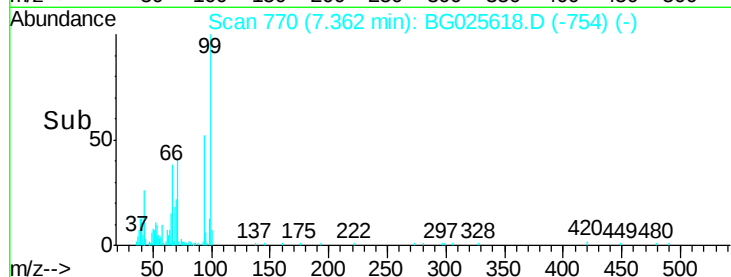
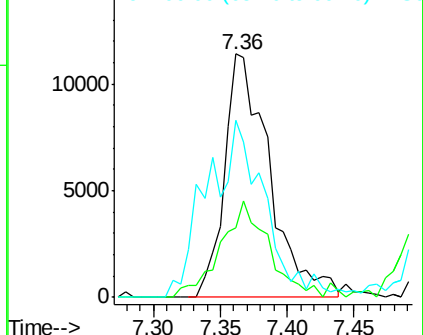
94 100

65 28.4 26.8 40.2

66 72.7 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: 6.04 ng/ul

RT: 14.25 min Scan# 1942

Delta R.T. -0.00 min

Lab File: BG025618.D

Acq: 24 Jan 2017 21:49

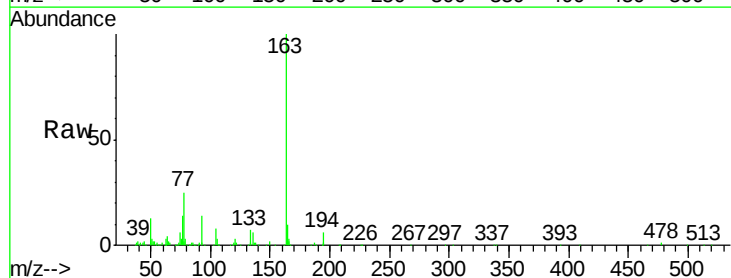
Tgt Ion:163 Resp: 144288

Ion Ratio Lower Upper

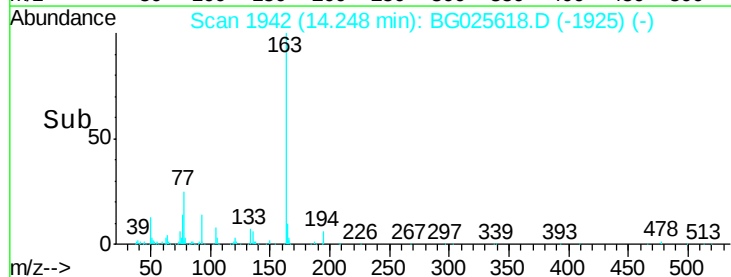
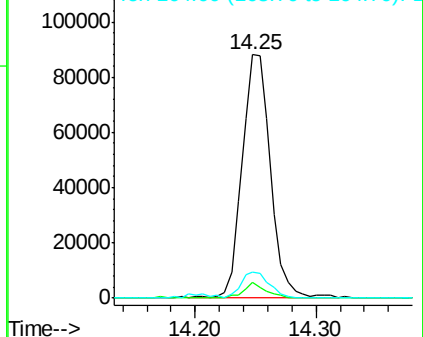
163 100

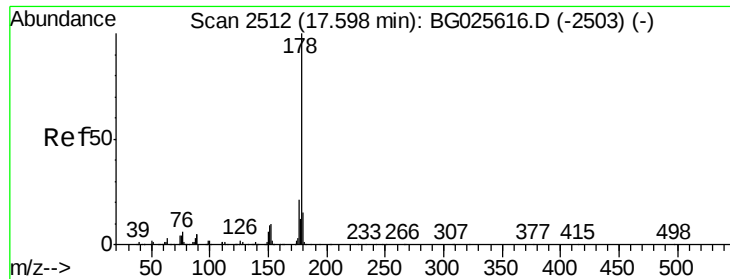
194 6.5 3.4 5.0#

164 10.4 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





#69

Phenanthrene

Concen: 1.74 ng/ul

RT: 17.60 min Scan# 2512

Delta R.T. -0.00 min

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Instrument :

BNA\_G

ClientSampleId :

BDNZ7

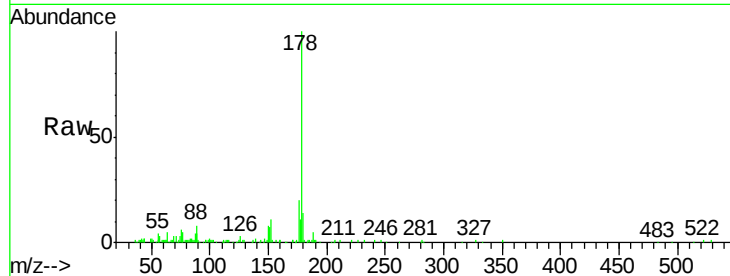
Tgt Ion:178 Resp: 65994

Ion Ratio Lower Upper

178 100

179 14.4 12.4 18.6

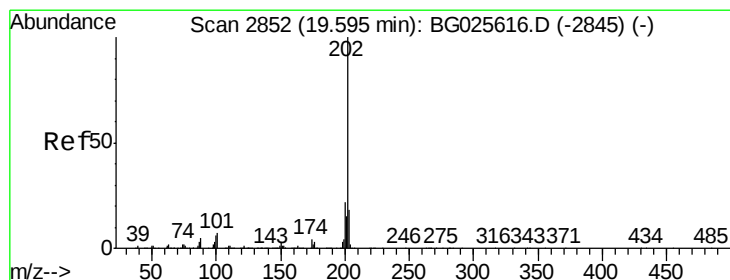
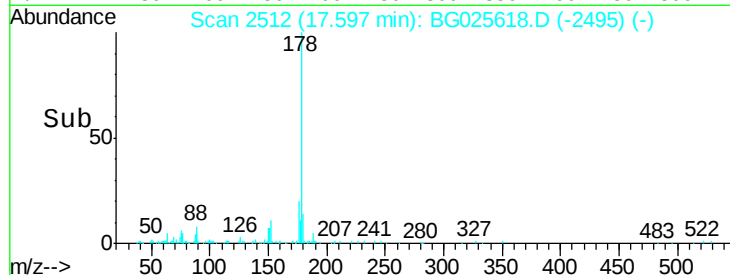
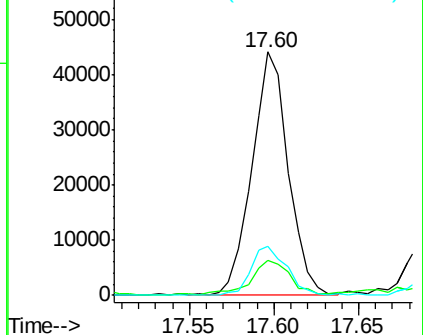
176 20.4 16.5 24.7



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



#74

Fluoranthene

Concen: 3.82 ng/ul

RT: 19.60 min Scan# 2853

Delta R.T. 0.00 min

Lab File: BG025618.D

Acq: 24 Jan 2017 21:49

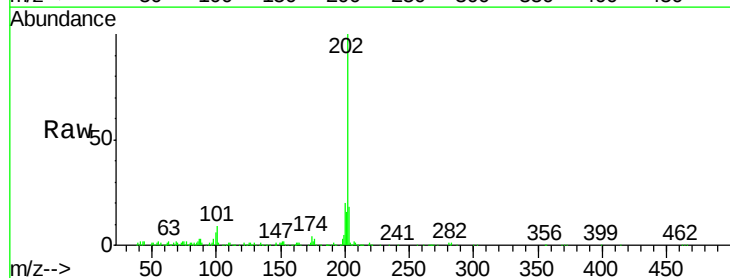
Tgt Ion:202 Resp: 171156

Ion Ratio Lower Upper

202 100

101 10.3 6.2 9.2#

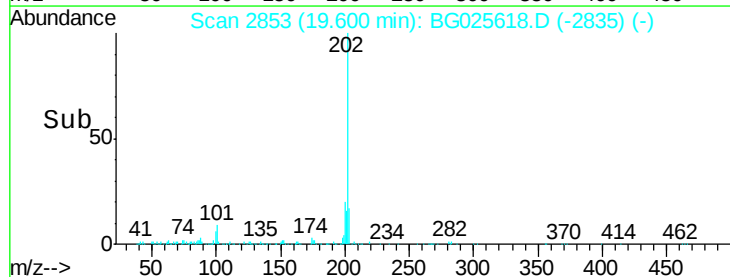
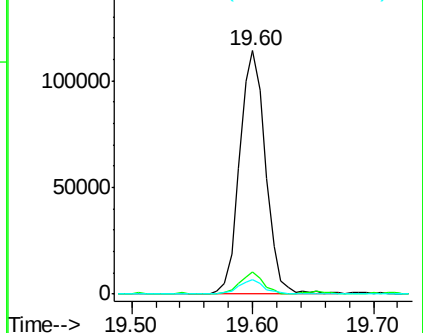
100 6.2 5.2 7.8

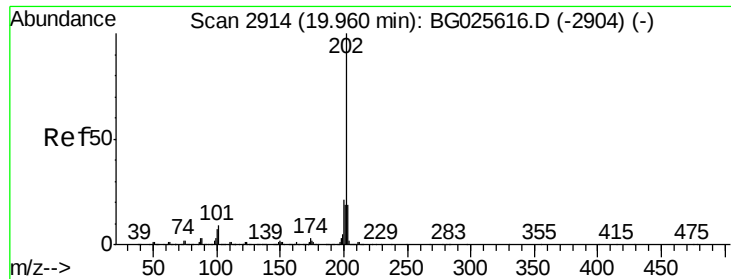


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pyrene

Concen: 3.06 ng/ul

RT: 19.96 min Scan# 2914

Delta R.T. -0.00 min

Lab File: BG025618.D

Acq: 24 Jan 2017 21:49

Instrument :

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ClientSampleId :

BDNZ7

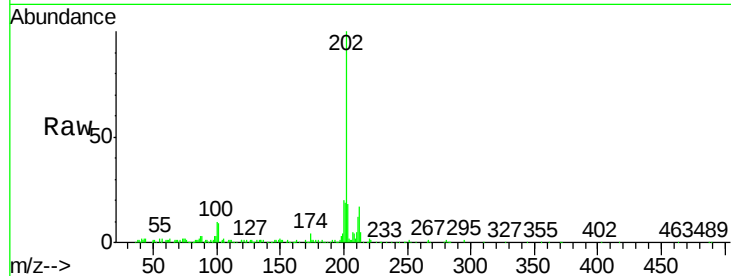
Tgt Ion:202 Resp: 142384

Ion Ratio Lower Upper

202 100

101 9.4 6.9 10.3

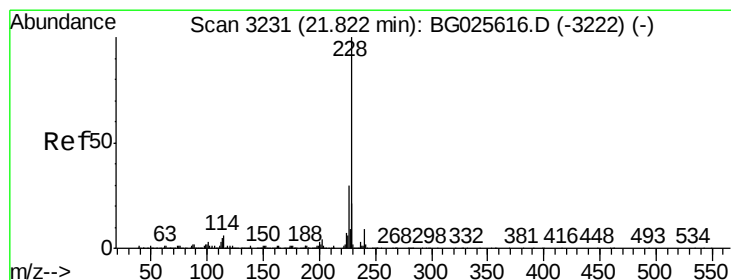
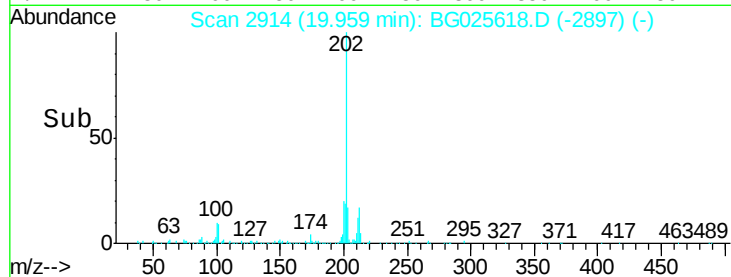
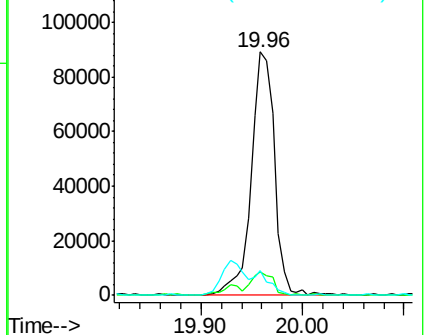
100 10.0 6.6 10.0#



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: 2.31 ng/ul

RT: 21.83 min Scan# 3232

Delta R.T. 0.00 min

Lab File: BG025618.D

Acq: 24 Jan 2017 21:49

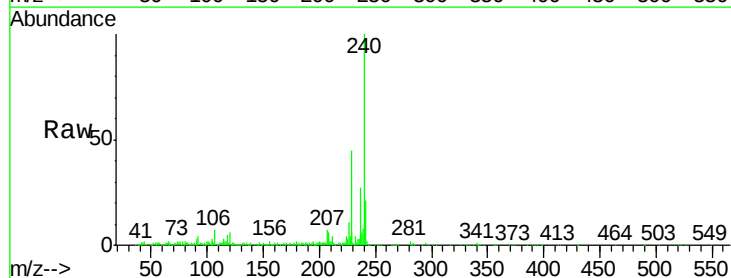
Tgt Ion:228 Resp: 115456

Ion Ratio Lower Upper

228 100

229 14.3 16.3 24.5#

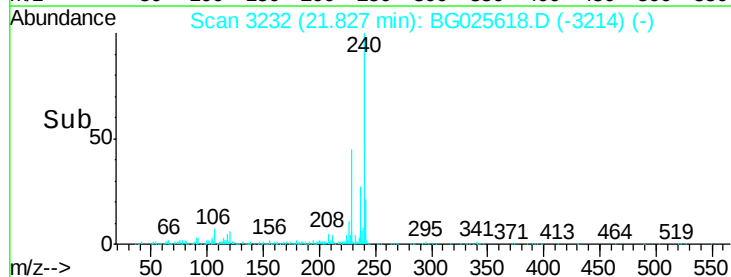
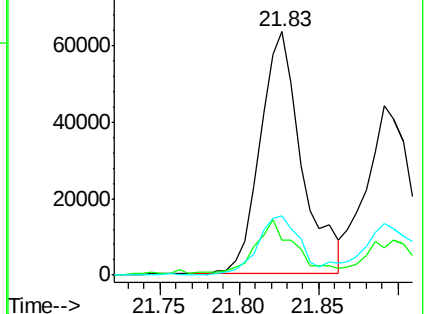
226 24.2 21.9 32.9

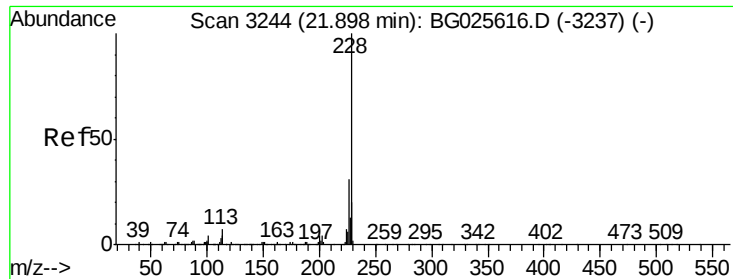


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 1.79 ng/ul

RT: 21.89 min Scan# 3243

Delta R.T. -0.01 min

Lab File: BG025618.D

Acq: 24 Jan 2017 21:49

Instrument :

BNA\_G

ClientSampleId :

BDNZ7

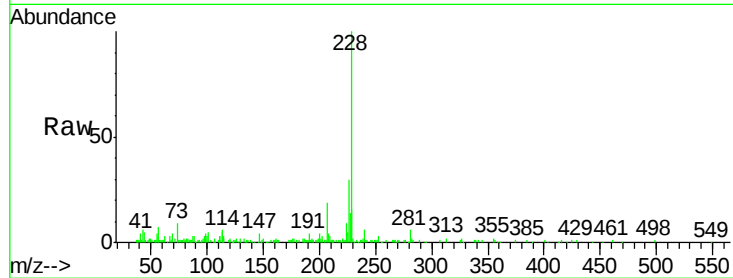
Tgt Ion:228 Resp: 84106

Ion Ratio Lower Upper

228 100

226 30.2 24.0 36.0

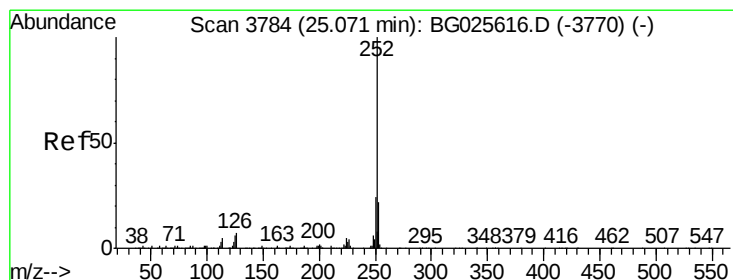
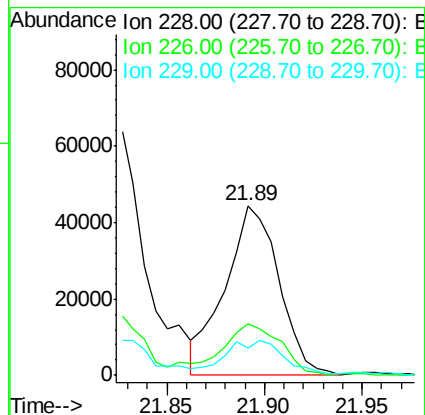
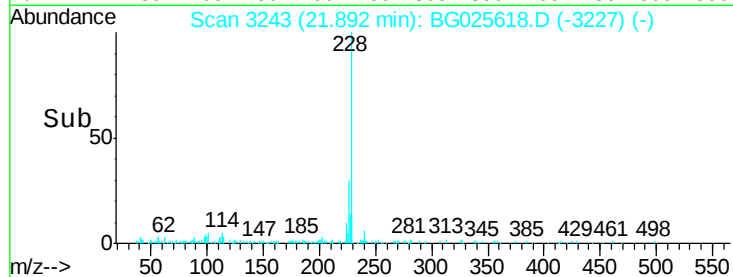
229 16.2 16.9 25.3#



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(a)pyrene

Concen: 1.54 ng/ul

RT: 25.07 min Scan# 3784

Delta R.T. -0.00 min

Lab File: BG025618.D

Acq: 24 Jan 2017 21:49

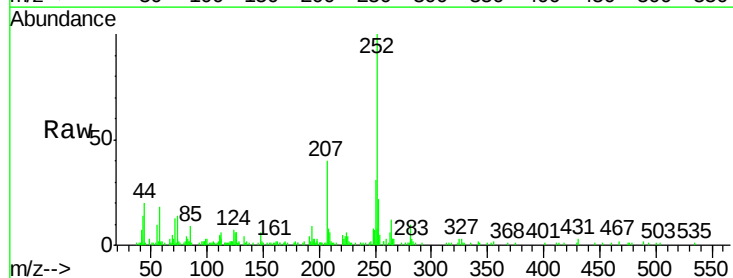
Tgt Ion:252 Resp: 74224

Ion Ratio Lower Upper

252 100

253 22.5 17.8 26.6

125 11.3 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

