

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG012617\  
 Data File : BG025685.D  
 Acq On : 27 Jan 2017 3:05  
 Operator : SJ/MA  
 Sample : I1425-20  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BDP99

Quant Time: Jan 27 04:50:54 2017  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG011817.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jan 27 04:44:43 2017  
 Response via : Initial Calibration

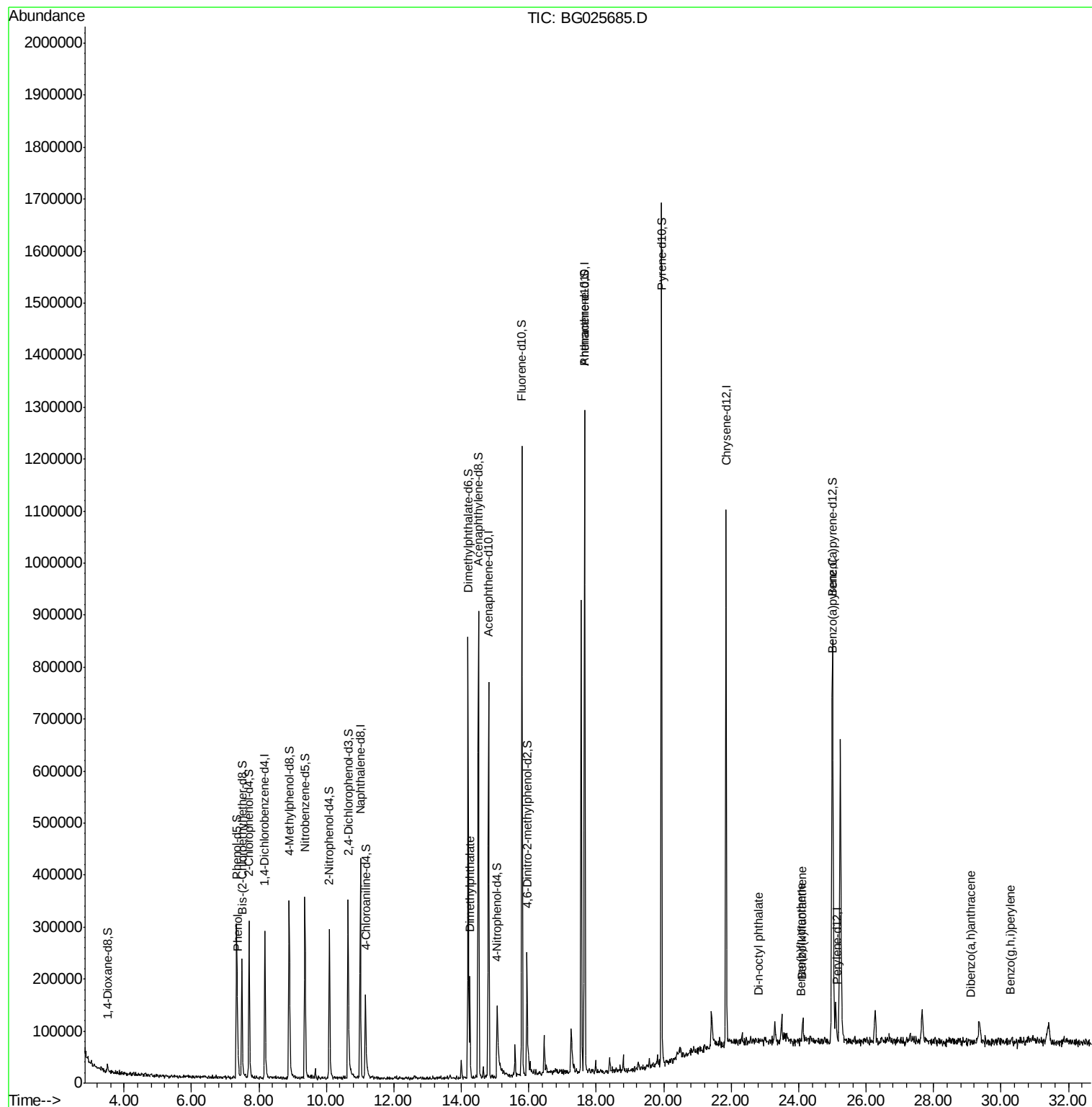
| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.18  | 152  | 77204    | 20.00    | ng/ul  | 0.00     |
| 18) Naphthalene-d8             | 11.00 | 136  | 337795   | 20.00    | ng/ul  | 0.00     |
| 35) Acenaphthene-d10           | 14.81 | 164  | 276399   | 20.00    | ng/ul  | 0.00     |
| 61) Phenanthrene-d10           | 17.65 | 188  | 766813   | 20.00    | ng/ul  | 0.09     |
| 75) Chrysene-d12               | 21.84 | 240  | 684742   | 20.00    | ng/ul  | 0.00     |
| 83) Perylene-d12               | 25.13 | 264  | 965      | 20.00    | ng/ul  | -0.11    |
| System Monitoring Compounds    |       |      |          |          |        |          |
| 3) 1,4-Dioxane-d8              | 3.51  | 96   | 6010     | 3.89     | ng/uL  | 0.00     |
| 5) Phenol-d5                   | 7.34  | 99   | 185908   | 28.10    | ng/ul  | 0.00     |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.49  | 67   | 129844   | 30.38    | ng/ul  | 0.00     |
| 9) 2-Chlorophenol-d4           | 7.70  | 132  | 128494   | 27.53    | ng/ul  | 0.00     |
| 13) 4-Methylphenol-d8          | 8.90  | 113  | 144864   | 25.76    | ng/ul  | 0.00     |
| 19) Nitrobenzene-d5            | 9.36  | 128  | 72239    | 30.17    | ng/ul  | 0.00     |
| 22) 2-Nitrophenol-d4           | 10.09 | 143  | 78814    | 27.59    | ng/ul  | 0.00     |
| 26) 2,4-Dichlorophenol-d3      | 10.64 | 165  | 151747   | 26.92    | ng/ul  | 0.00     |
| 29) 4-Chloroaniline-d4         | 11.15 | 131  | 99710    | 15.83    | ng/ul  | 0.00     |
| 43) Dimethylphthalate-d6       | 14.20 | 166  | 538277   | 27.58    | ng/ul  | 0.00     |
| 46) Acenaphthylene-d8          | 14.51 | 160  | 654912   | 31.06    | ng/ul  | 0.00     |
| 51) 4-Nitrophenol-d4           | 15.06 | 143  | 48815    | 18.25    | ng/ul  | 0.00     |
| 57) Fluorene-d10               | 15.80 | 176  | 502571   | 27.32    | ng/ul  | 0.00     |
| 62) 4,6-Dinitro-2-methylphenol | 15.95 | 200  | 63310    | 13.39    | ng/ul  | 0.00     |
| 70) Anthracene-d10             | 17.65 | 188  | 766813   | 23.49    | ng/ul  | 0.00     |
| 76) Pyrene-d10                 | 19.93 | 212  | 921885   | 32.35    | ng/ul  | 0.00     |
| 87) Benzo(a)pyrene-d12         | 25.00 | 264  | 877051   | 21623.83 | ng/ul  | 0.00     |
| Target Compounds               |       |      |          |          |        |          |
| 6) Phenol                      | 7.36  | 94   | 24567    | 3.53     | ng/ul# | 70       |
| 44) Dimethylphthalate          | 14.25 | 163  | 120476   | 6.28     | ng/ul# | 93       |
| 84) Di-n-octyl phthalate       | 22.81 | 149  | 1118     | 26.99    | ng/ul  | 100      |
| 85) Benzo(b)fluoranthene       | 24.05 | 252  | 160      | 3.20     | ng/ul# | 59       |
| 86) Benzo(k)fluoranthene       | 24.10 | 252  | 146      | 3.12     | ng/ul# | 67       |
| 88) Benzo(a)pyrene             | 24.98 | 252  | 1944     | 41.15    | ng/ul# | 83       |
| 90) Dibenzo(a,h)anthracene     | 29.10 | 278  | 59       | 1.18     | ng/ul# | 56       |
| 91) Benzo(g,h,i)perylene       | 30.27 | 276  | 55       | 1.12     | ng/ul# | 1        |

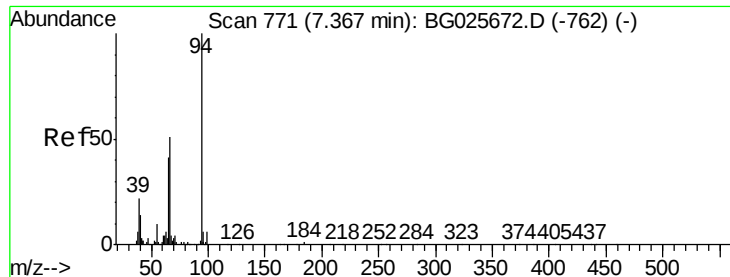
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 3.53 ng/ul

RT: 7.36 min Scan# 770

Delta R.T. -0.01 min

Lab File: BG025685.D

Acq: 27 Jan 2017 3:05

Instrument :

BNA\_G

ClientSampled :

BDP99

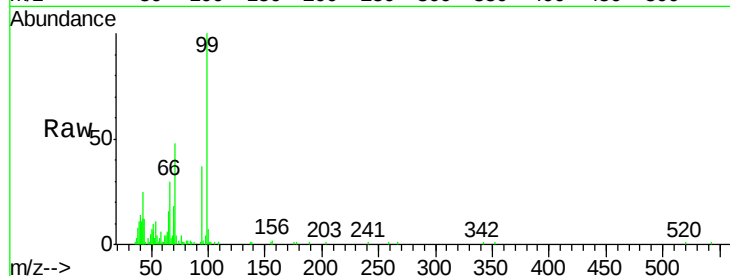
Tgt Ion: 94 Resp: 24567

Ion Ratio Lower Upper

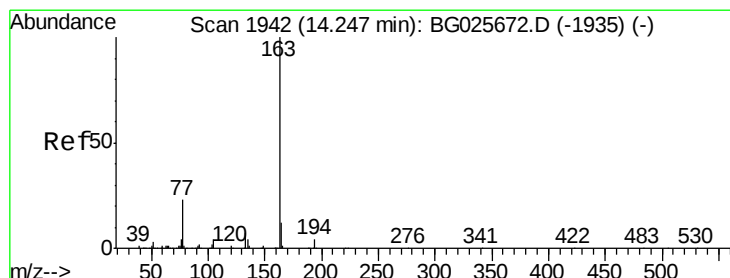
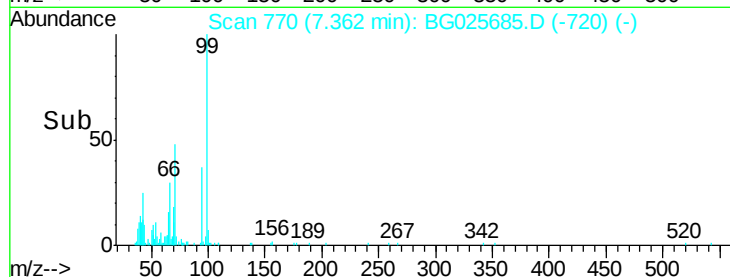
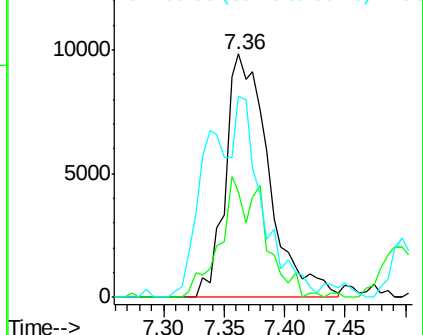
94 100

65 43.5 26.8 40.2#

66 82.6 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: 6.28 ng/ul

RT: 14.25 min Scan# 1942

Delta R.T. 0.00 min

Lab File: BG025685.D

Acq: 27 Jan 2017 3:05

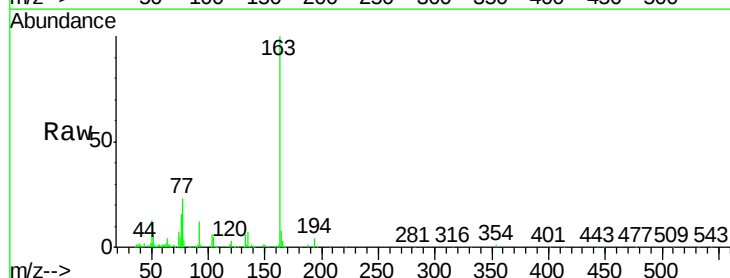
Tgt Ion:163 Resp: 120476

Ion Ratio Lower Upper

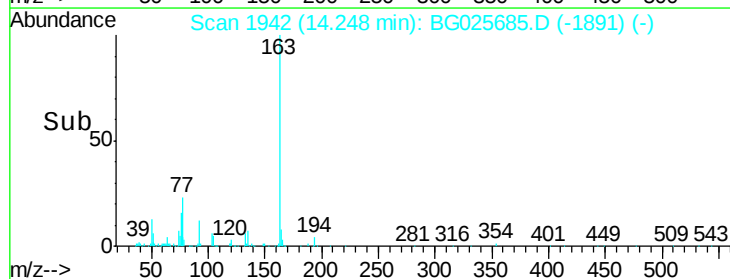
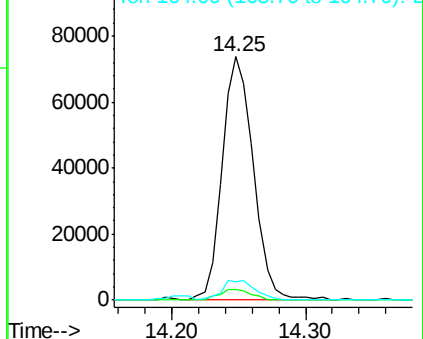
163 100

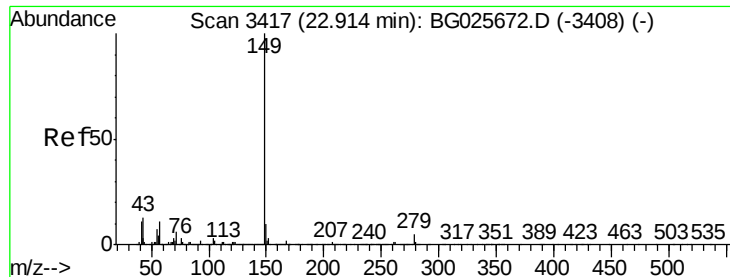
194 4.2 3.4 5.0

164 7.7 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





#84

Di-n-octyl phthalate

Concen: 26.99 ng/ul

RT: 22.81 min Scan# 3400

Delta R.T. -0.10 min

Lab File: BG025685.D

Acq: 27 Jan 2017 3:05

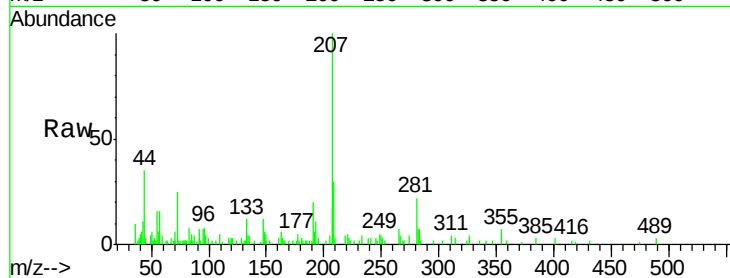
Instrument :

BNA\_G

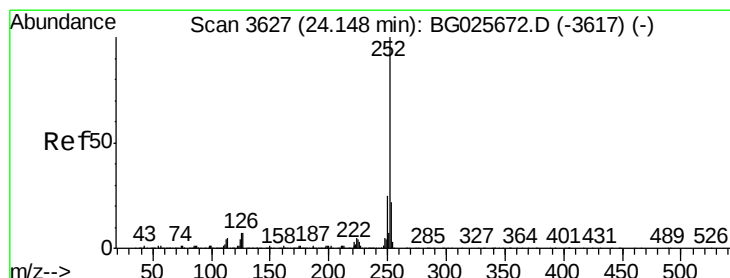
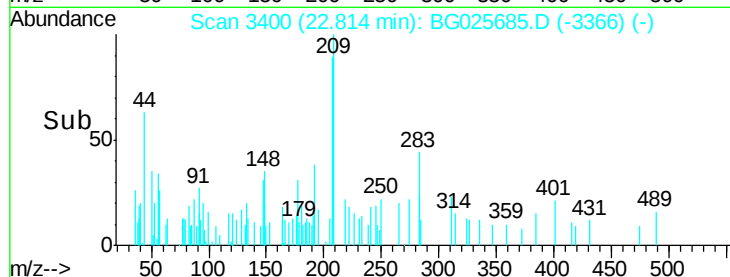
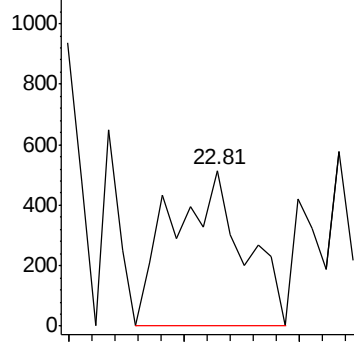
ClientSampleId :

BDP99

Tgt Ion:149 Resp: 1118



Abundance Ion 149.00 (148.70 to 149.70): E



#85

Benzo(b)fluoranthene

Concen: 3.20 ng/ul

RT: 24.05 min Scan# 3611

Delta R.T. -0.09 min

Lab File: BG025685.D

Acq: 27 Jan 2017 3:05

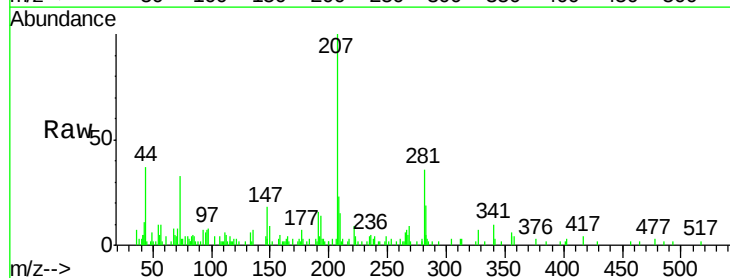
Tgt Ion:252 Resp: 160

Ion Ratio Lower Upper

252 100

253 0.0 17.7 26.5#

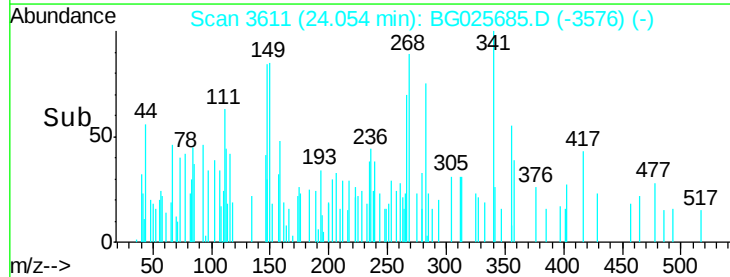
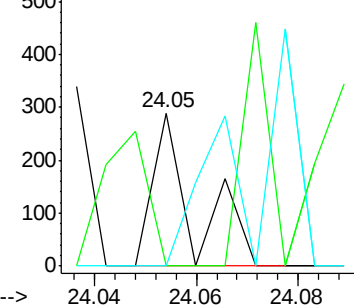
125 0.0 4.0 6.0#

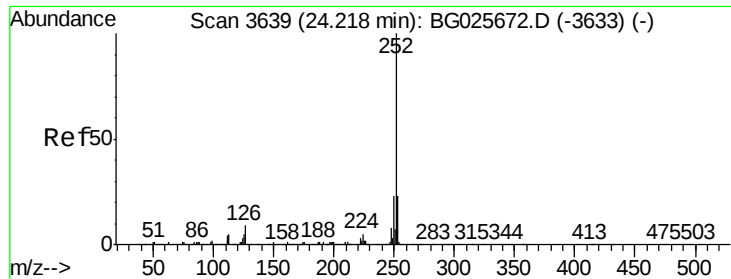


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 3.12 ng/ul

RT: 24.10 min Scan# 3619

Delta R.T. -0.12 min

Lab File: BG025685.D

Acq: 27 Jan 2017 3:05

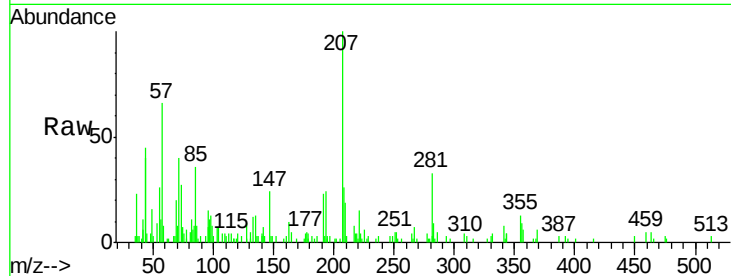
Instrument :

BNA\_G

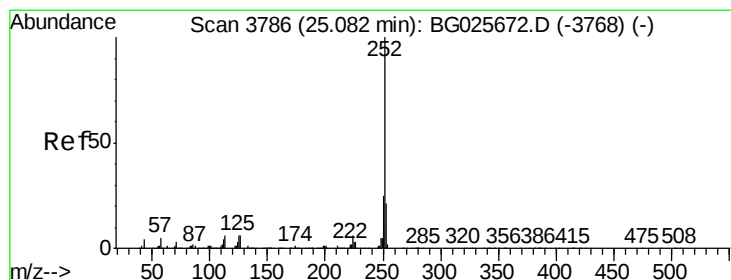
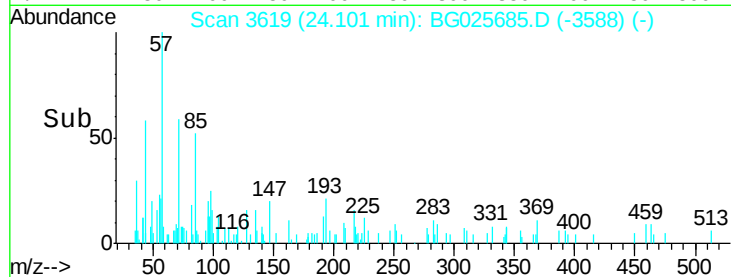
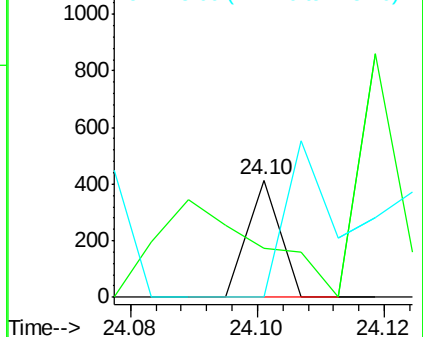
ClientSampled :

BDP99

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 146   |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 41.2  | 18.5  | 27.7# |
| 125       | 0.0   | 4.1   | 6.1#  |



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



#88

Benzo(a)pyrene

Concen: 41.15 ng/ul

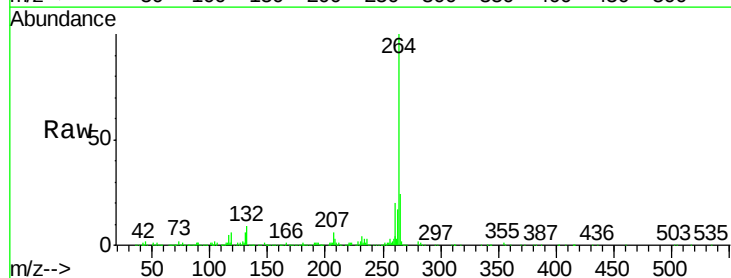
RT: 24.98 min Scan# 3769

Delta R.T. -0.10 min

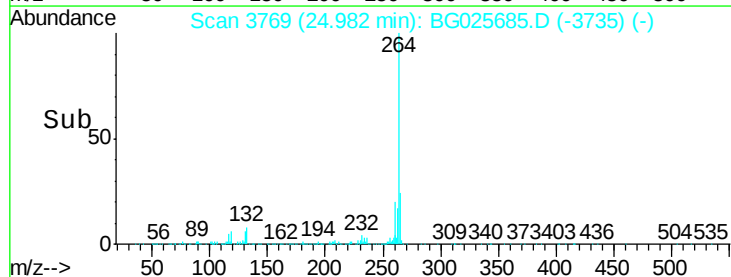
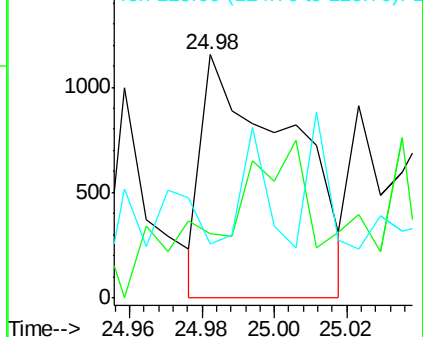
Lab File: BG025685.D

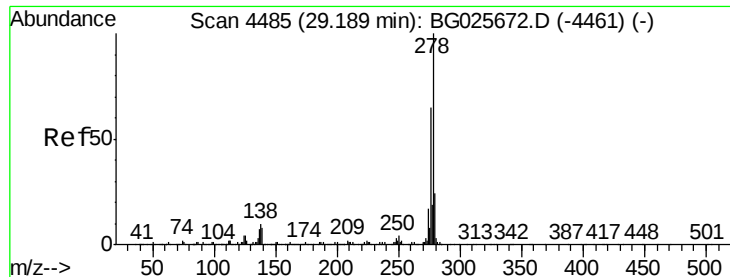
Acq: 27 Jan 2017 3:05

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 252   | Resp: | 1944 |
| Ion Ratio | Lower | Upper |      |
| 252       | 100   |       |      |
| 253       | 26.4  | 17.8  | 26.6 |
| 125       | 22.3  | 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





#90

Dibenzo(a,h)anthracene

Concen: 1.18 ng/ul

RT: 29.10 min Scan# 4469

Delta R.T. -0.09 min

Lab File: BG025685.D

Acq: 27 Jan 2017 3:05

Instrument :

BNA\_G

ClientSampled :

BDP99

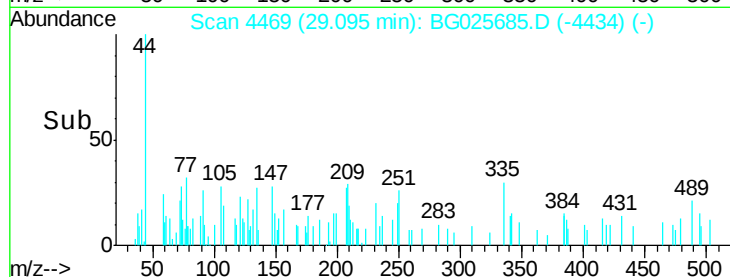
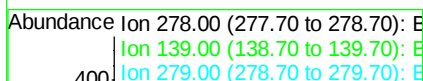
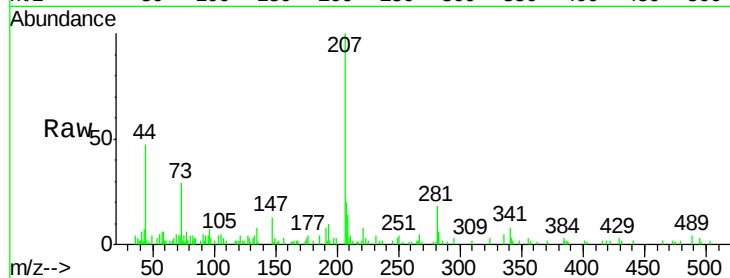
Tgt Ion: 278 Resp: 59

Ion Ratio Lower Upper

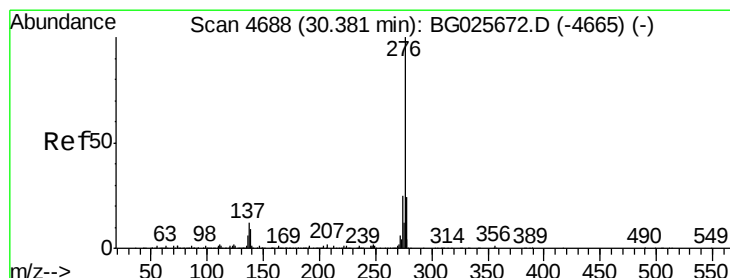
278 100

139 0.0 6.7 10.1#

279 0.0 20.9 31.3#



Time-->



#91

Benzo(g,h,i)perylene

Concen: 1.12 ng/ul

RT: 30.27 min Scan# 4669

Delta R.T. -0.11 min

Lab File: BG025685.D

Acq: 27 Jan 2017 3:05

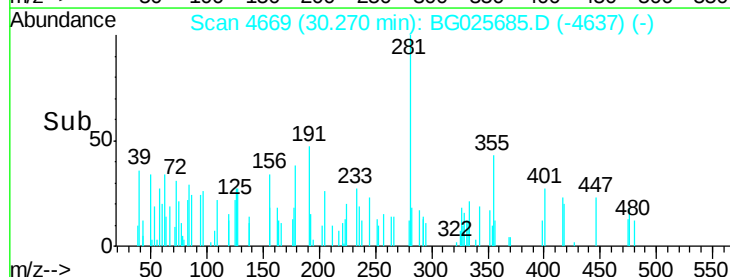
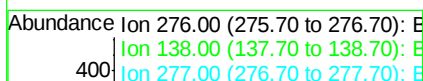
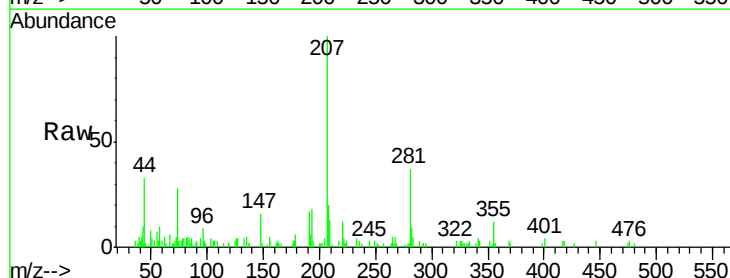
Tgt Ion: 276 Resp: 55

Ion Ratio Lower Upper

276 100

138 107.0 8.6 12.8#

277 0.0 17.6 26.4#



Time-->