

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG082016\  
 Data File : BG023822.D  
 Acq On : 20 Aug 2016 18:27  
 Operator : UM/SJ  
 Sample : H4533-03  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TS01-01

Quant Time: Aug 22 04:56:15 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG081816.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Aug 22 04:56:05 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.09  | 152  | 120738   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.93 | 136  | 497141   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.77 | 164  | 310140   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.53 | 188  | 704960   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.91 | 240  | 1263     | 20.00 | ng/ul | 0.06     |
| 83) Perylene-d12          | 25.24 | 264  | 729610   | 20.00 | ng/ul | 0.01     |

## System Monitoring Compounds

|                                |       |     |         |          |       |      |
|--------------------------------|-------|-----|---------|----------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.46  | 96  | 12474   | 4.69     | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.25  | 99  | 294470  | 26.01    | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.41  | 67  | 202708  | 26.13    | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.62  | 132 | 206750  | 25.73    | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.81  | 113 | 228030  | 25.76    | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.27  | 128 | 106120  | 26.42    | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.00 | 143 | 124686  | 27.23    | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.55 | 165 | 215409  | 26.02    | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.14 | 131 | 593     | 0.06     | ng/ul | 0.08 |
| 43) Dimethylphthalate-d6       | 14.16 | 166 | 689881  | 26.83    | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.46 | 160 | 800482  | 27.49    | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 15.00 | 143 | 88370   | 21.27    | ng/ul | 0.01 |
| 57) Fluorene-d10               | 15.76 | 176 | 614542  | 27.38    | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.90 | 200 | 104387  | 23.36    | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.63 | 188 | 891792  | 27.44    | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.92 | 212 | 1005386 | 16590.05 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 25.00 | 264 | 938217  | 28.09    | ng/ul | 0.01 |

## Target Compounds

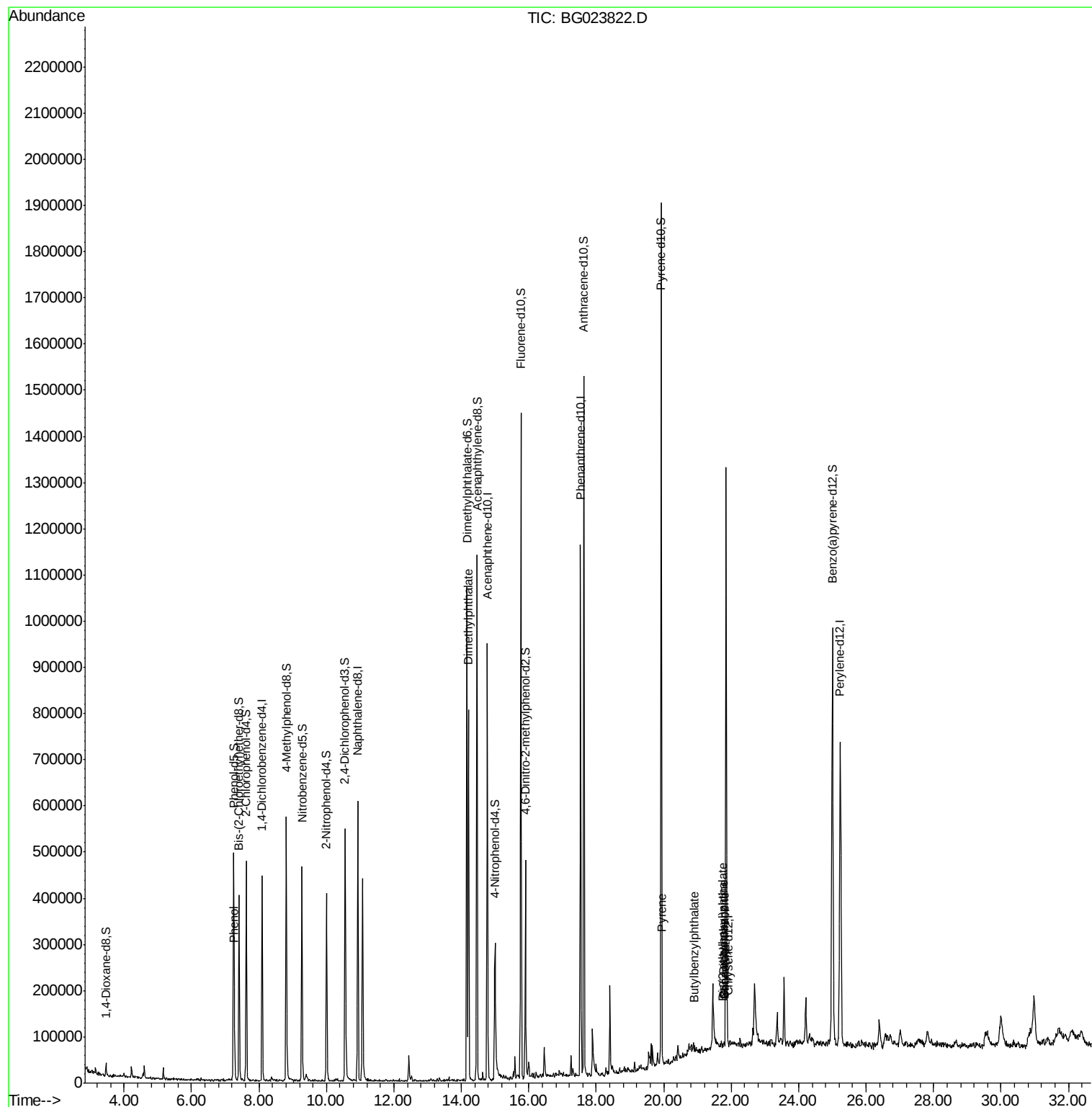
|                                |       |     |        |        |        | Qvalue |
|--------------------------------|-------|-----|--------|--------|--------|--------|
| 6) Phenol                      | 7.27  | 94  | 13917  | 1.20   | ng/ul# | 63     |
| 44) Dimethylphthalate          | 14.21 | 163 | 493119 | 19.18  | ng/ul  | 100    |
| 77) Pyrene                     | 19.95 | 202 | 11126  | 149.05 | ng/ul# | 83     |
| 78) Butylbenzylphthalate       | 20.90 | 149 | 540    | 15.99  | ng/ul# | 37     |
| 79) 3,3'-Dichlorobenzidine     | 21.79 | 252 | 79     | 3.15   | ng/ul# | 82     |
| 80) Benzo(a)anthracene         | 21.81 | 228 | 465    | 6.37   | ng/ul  | 99     |
| 81) Bis(2-ethylhexyl)phthalate | 21.75 | 149 | 819    | 18.03  | ng/ul# | 52     |
| 82) Chrysene                   | 21.81 | 228 | 465    | 7.08   | ng/ul  | 98     |

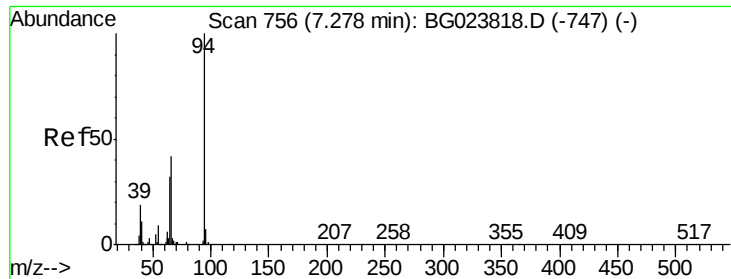
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Aug 22 04:56:05 2016  
Response via : Initial Calibration





#6

Phenol

Concen: 1.20 ng/ul

RT: 7.27 min Scan# 755

Delta R.T. -0.01 min

Lab File: BG023822.D

Acq: 20 Aug 2016 18:27

Instrument :

BNA\_G

ClientSampleId :

TS01-01

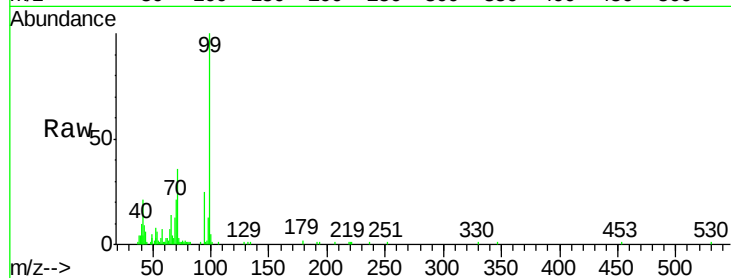
Tgt Ion: 94 Resp: 13917

Ion Ratio Lower Upper

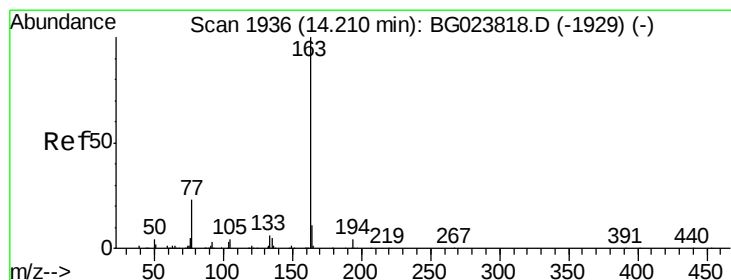
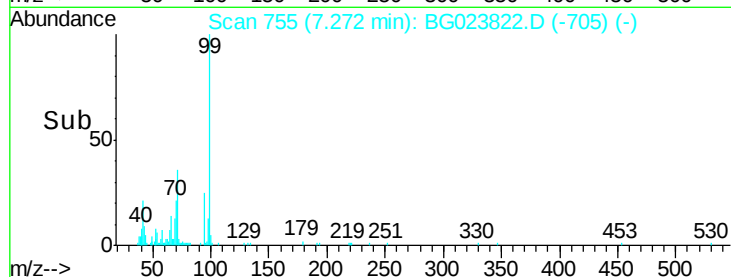
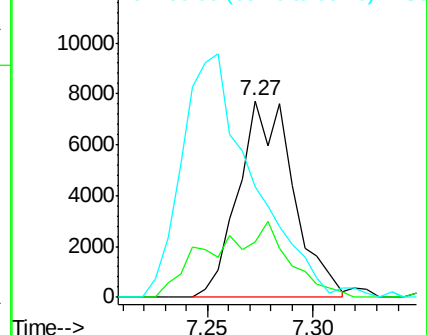
94 100

65 28.3 16.8 25.2#

66 56.3 22.6 33.8#



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: 19.18 ng/ul

RT: 14.21 min Scan# 1936

Delta R.T. -0.00 min

Lab File: BG023822.D

Acq: 20 Aug 2016 18:27

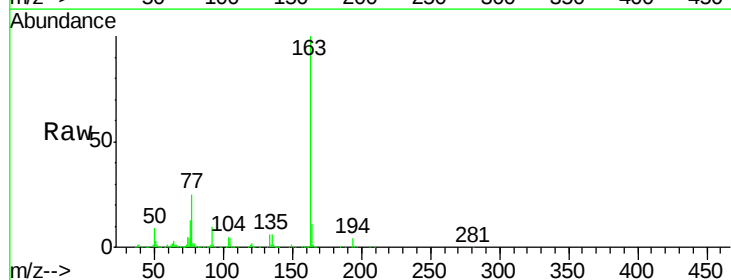
Tgt Ion: 163 Resp: 493119

Ion Ratio Lower Upper

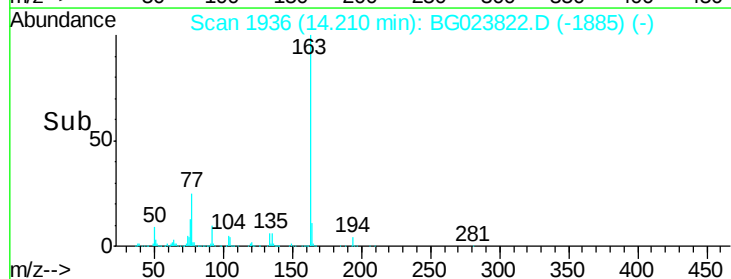
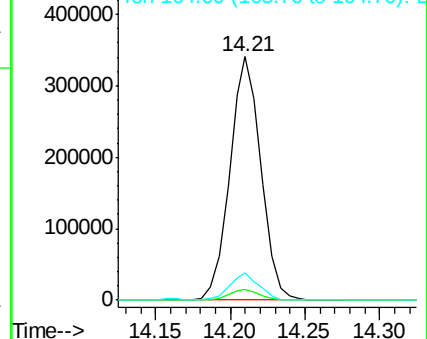
163 100

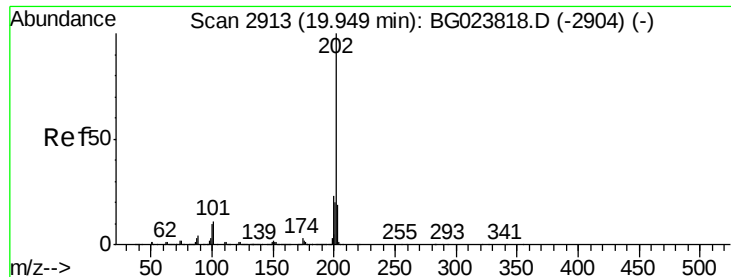
194 4.3 3.4 5.2

164 11.1 8.8 13.2



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





#77

Pyrene

Concen: 149.05 ng/ul

RT: 19.95 min Scan# 2913

Delta R.T. -0.00 min

Lab File: BG023822.D

Acq: 20 Aug 2016 18:27

Instrument :

BNA\_G

ClientSampleId :

TS01-01

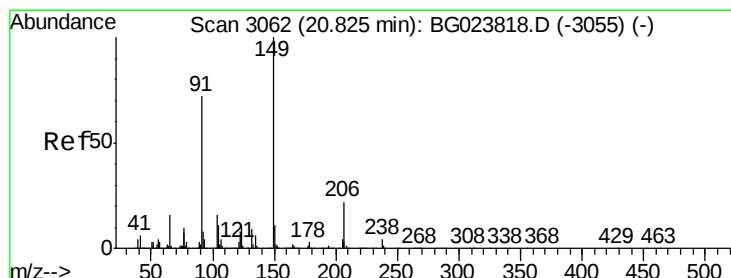
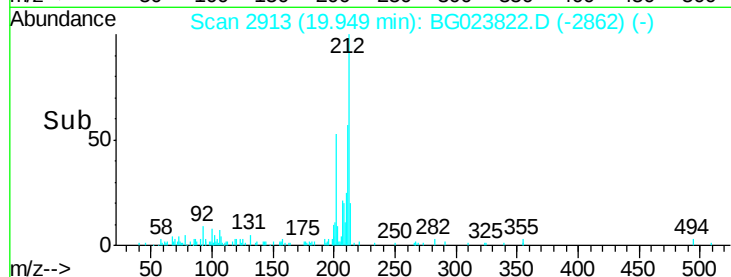
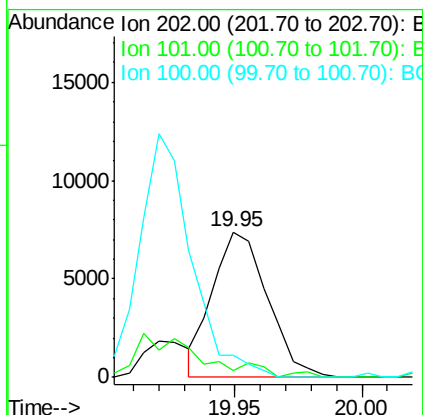
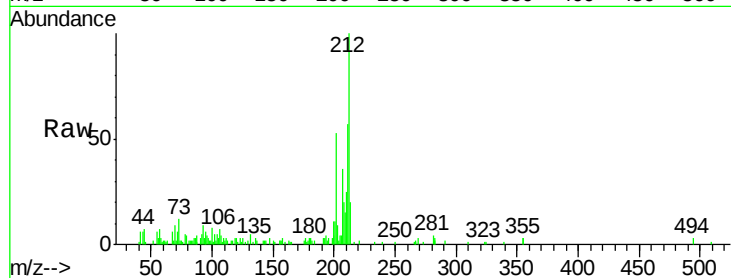
Tgt Ion:202 Resp: 11126

Ion Ratio Lower Upper

202 100

101 4.7 12.5 18.7#

100 15.5 10.2 15.4#



#78

Butylbenzylphthalate

Concen: 15.99 ng/ul

RT: 20.90 min Scan# 3074

Delta R.T. 0.07 min

Lab File: BG023822.D

Acq: 20 Aug 2016 18:27

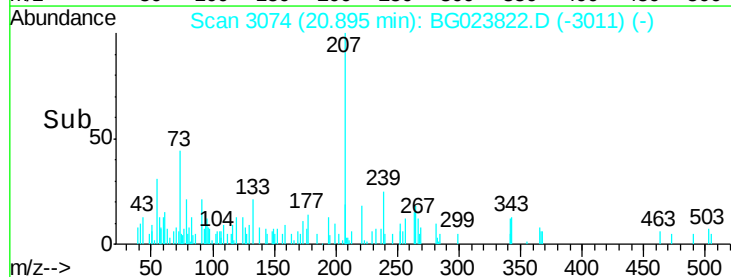
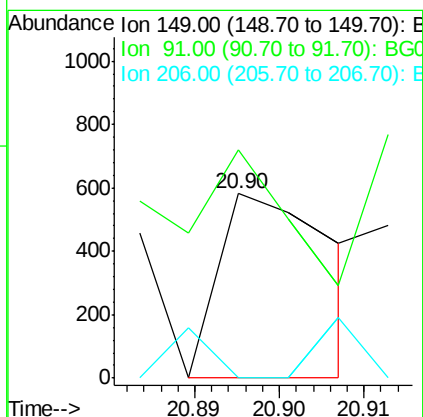
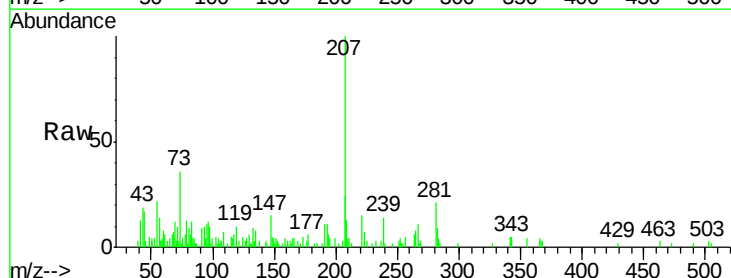
Tgt Ion:149 Resp: 540

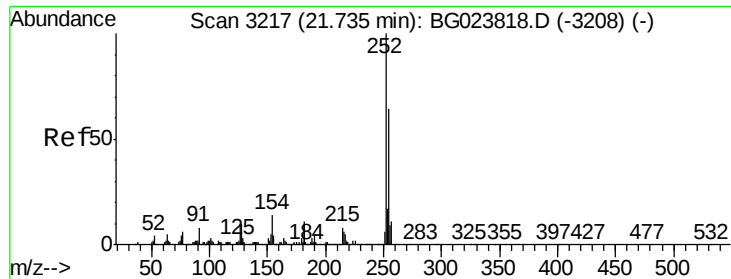
Ion Ratio Lower Upper

149 100

91 123.9 54.2 81.4#

206 0.0 14.1 21.1#





#79

3,3'-Dichlorobenzidine

Concen: 3.15 ng/ul

RT: 21.79 min Scan# 3227

Delta R.T. 0.06 min

Lab File: BG023822.D

Acq: 20 Aug 2016 18:27

Instrument :

BNA\_G

ClientSampled :

TS01-01

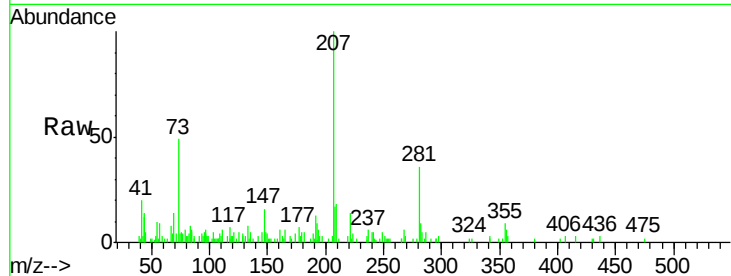
Tgt Ion:252 Resp: 79

Ion Ratio Lower Upper

252 100

254 75.9 51.4 77.2

126 0.0 10.7 16.1#

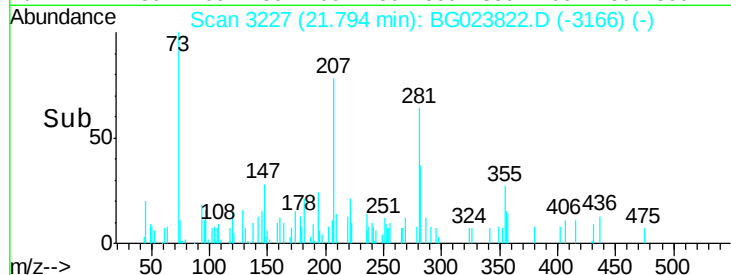


Abundance Ion 252.00 (251.70 to 252.70): E

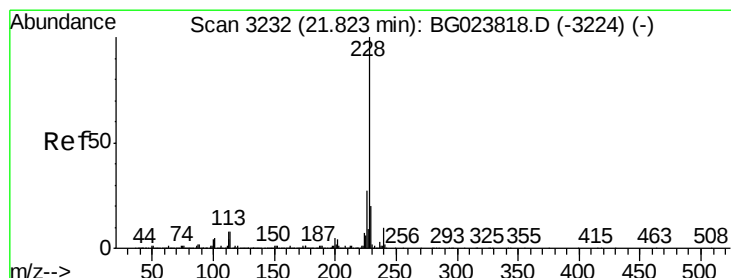
Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E

Time-->



Time-->



#80

Benzo(a)anthracene

Concen: 6.37 ng/ul

RT: 21.81 min Scan# 3229

Delta R.T. -0.02 min

Lab File: BG023822.D

Acq: 20 Aug 2016 18:27

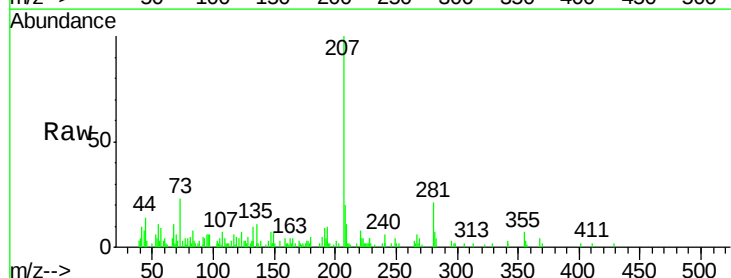
Tgt Ion:228 Resp: 465

Ion Ratio Lower Upper

228 100

229 19.5 15.4 23.2

226 29.0 22.8 34.2

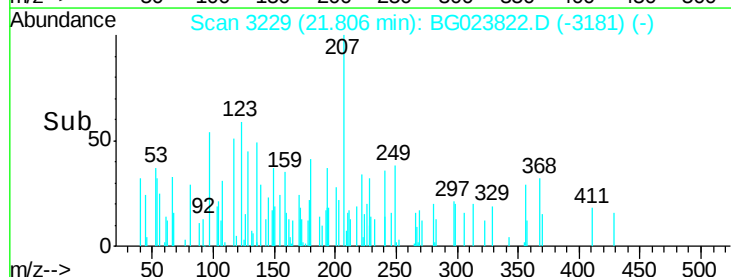


Abundance Ion 228.00 (227.70 to 228.70): E

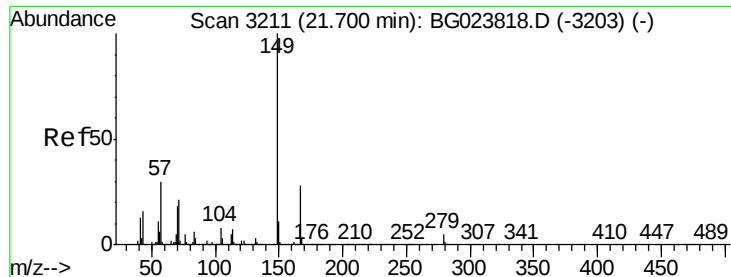
Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

Time-->



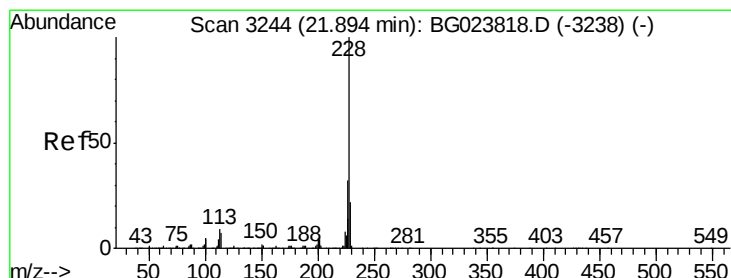
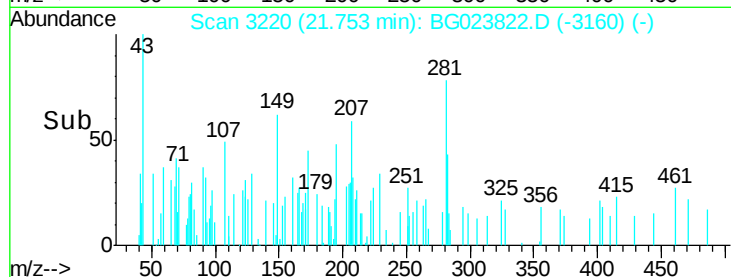
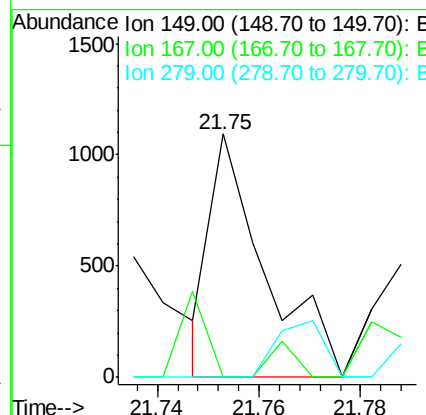
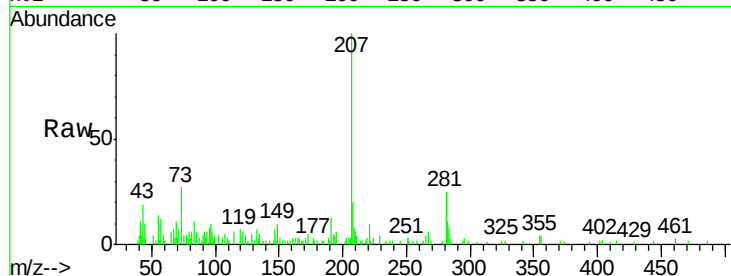
Time-->



#81  
 Bis(2-ethylhexyl)phthalate  
 Concen: 18.03 ng/ul  
 RT: 21.75 min Scan# 3220  
 Delta R.T. 0.05 min  
 Lab File: BG023822.D  
 Acq: 20 Aug 2016 18:27

Instrument :  
 BNA\_G  
 ClientSampled :  
 TS01-01

Tgt Ion:149 Resp: 819  
 Ion Ratio Lower Upper  
 149 100  
 167 0.0 21.9 32.9#  
 279 0.0 2.9 4.3#



#82  
 Chrysene  
 Concen: 7.08 ng/ul  
 RT: 21.81 min Scan# 3229  
 Delta R.T. -0.09 min  
 Lab File: BG023822.D  
 Acq: 20 Aug 2016 18:27

Tgt Ion:228 Resp: 465  
 Ion Ratio Lower Upper  
 228 100  
 226 29.0 24.2 36.4  
 229 19.5 15.0 22.6

