

Data Path : Z:\HPCHEM1\BNA G\DATA\BG082417\  
 Data File : BG028473.D  
 Acq On : 24 Aug 2017 23:25  
 Operator : SJ/JU  
 Sample : I4840-01  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 B0AG6

Quant Time: Aug 25 03:53:23 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Aug 25 03:52:53 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.34  | 152  | 40893    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.16 | 136  | 171057   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.95 | 164  | 123409   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.80 | 188  | 187258   | 20.00 | ng/ul | 0.10     |
| 75) Chrysene-d12          | 22.03 | 240  | 367422   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 25.53 | 264  | 358453   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.82  | 96  | 1750   | 1.99  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.49  | 99  | 40567  | 9.03  | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.65  | 67  | 26855  | 9.44  | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.87  | 132 | 29843  | 10.53 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 9.04  | 113 | 33133  | 8.83  | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.51  | 128 | 15706  | 11.74 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.23 | 143 | 17955  | 12.24 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.77 | 165 | 34501  | 11.37 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.29 | 131 | 22146  | 6.56  | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 14.34 | 166 | 131419 | 11.97 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.64 | 160 | 139029 | 11.23 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 15.15 | 143 | 14414  | 8.26  | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.93 | 176 | 110151 | 11.19 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 16.13 | 200 | 250    | 0.21  | ng/ul | 0.08 |
| 70) Anthracene-d10             | 17.80 | 188 | 187258 | 20.85 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 20.07 | 212 | 238392 | 12.65 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 25.28 | 264 | 225730 | 13.45 | ng/ul | 0.00 |

## Target Compounds

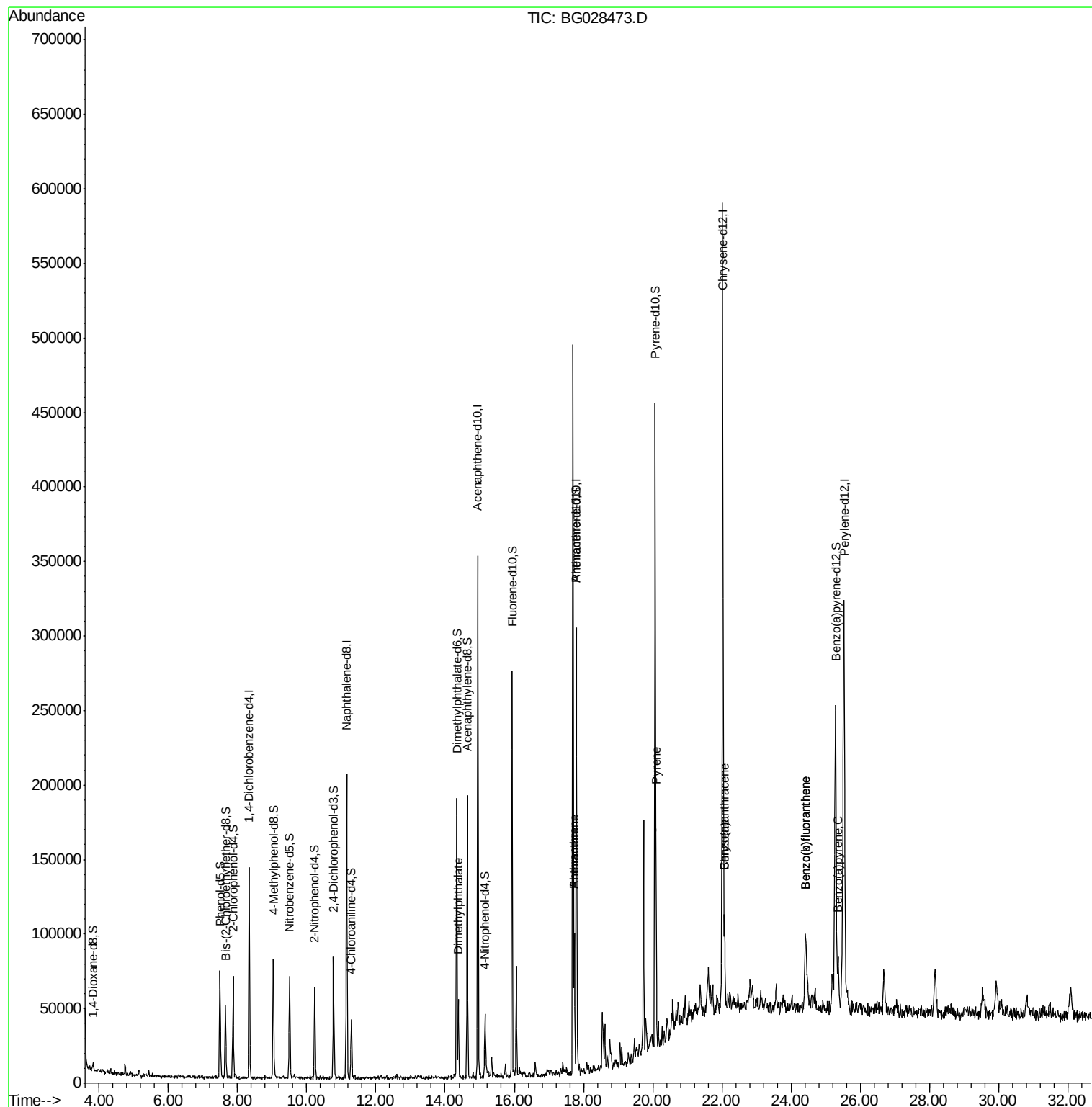
|                          |       |     |       |       | Ovalue   |
|--------------------------|-------|-----|-------|-------|----------|
| 44) Dimethylphthalate    | 14.38 | 163 | 31731 | 3.140 | ng/ul 97 |
| 69) Phenanthrene         | 17.74 | 178 | 60773 | 6.449 | ng/ul 96 |
| 71) Anthracene           | 17.74 | 178 | 60773 | 6.310 | ng/ul 97 |
| 77) Pyrene               | 20.09 | 202 | 88469 | 4.036 | ng/ul 97 |
| 80) Benzo(a)anthracene   | 22.08 | 228 | 45408 | 2.139 | ng/ul 97 |
| 82) Chrysene             | 22.08 | 228 | 45408 | 2.375 | ng/ul 95 |
| 85) Benzo(b)fluoranthene | 24.41 | 252 | 62177 | 2.899 | ng/ul 97 |
| 86) Benzo(k)fluoranthene | 24.41 | 252 | 62177 | 2.968 | ng/ul 95 |
| 88) Benzo(a)pyrene       | 25.36 | 252 | 43573 | 2.098 | ng/ul 95 |

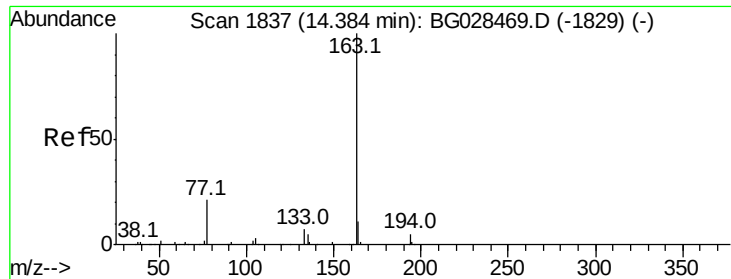
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Aug 25 03:52:53 2017  
Response via : Initial Calibration





#44

Dimethylphthalate

Concen: 3.140 ng/ul

RT: 14.38 min Scan# 1837

Delta R.T. -0.00 min

Lab File: BG028473.D

Acq: 24 Aug 2017 23:25

Instrument :

BNA\_G

ClientSampleId :

B0AG6

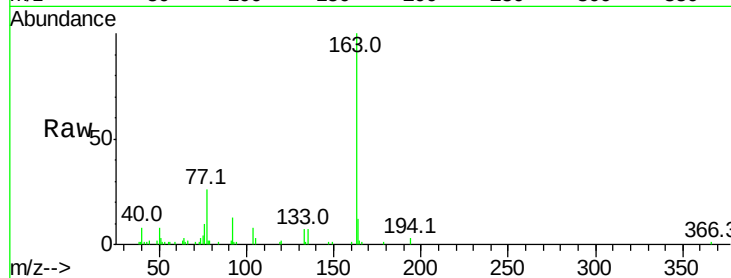
Tot Ion:163 Resp: 31731

Ion Ratio Lower Upper

163 100

194 3.5 3.4 5.0

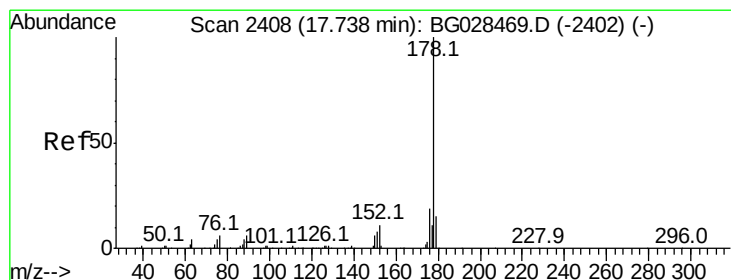
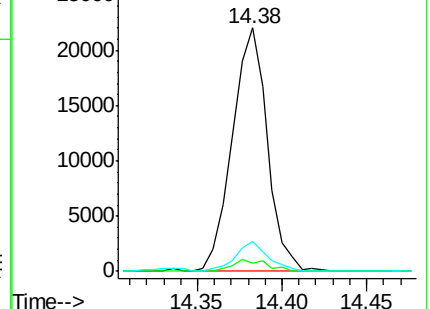
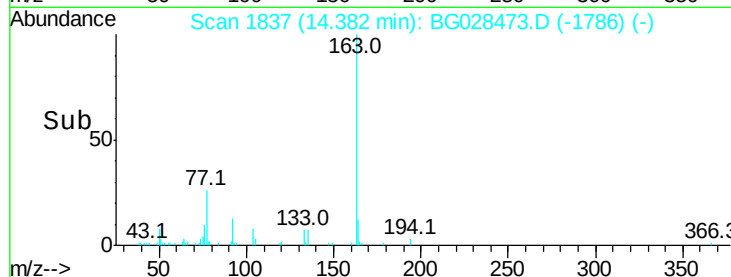
164 12.4 9.0 13.4



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: 6.449 ng/ul

RT: 17.74 min Scan# 2408

Delta R.T. -0.00 min

Lab File: BG028473.D

Acq: 24 Aug 2017 23:25

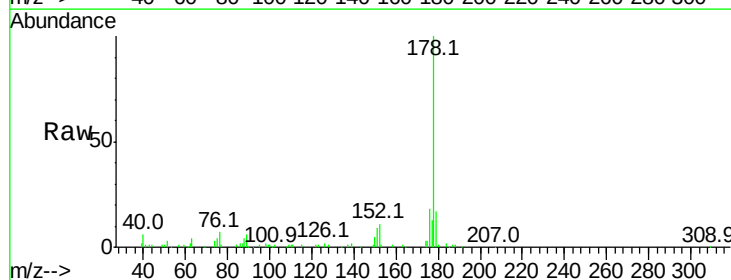
Tgt Ion:178 Resp: 60773

Ion Ratio Lower Upper

178 100

179 16.7 12.4 18.6

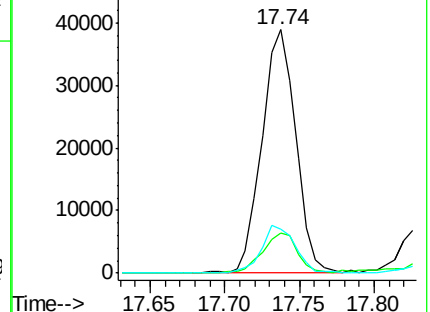
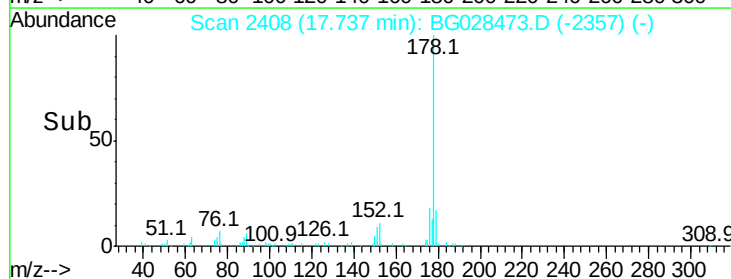
176 18.2 16.5 24.7

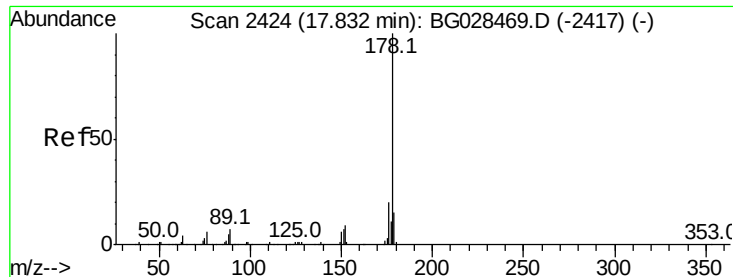


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 6.310 ng/ul

RT: 17.74 min Scan# 2408

Delta R.T. -0.10 min

Lab File: BG028473.D

Acq: 24 Aug 2017 23:25

Instrument :

BNA\_G

ClientSampleId :

B0AG6

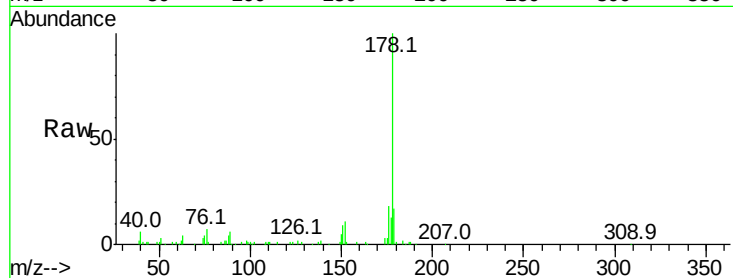
Tot Ion:178 Resp: 60773

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 179 | 16.7  | 12.6  | 19.0  |
| 176 | 18.2  | 15.9  | 23.9  |

178 100

179 16.7 12.6 19.0

176 18.2 15.9 23.9

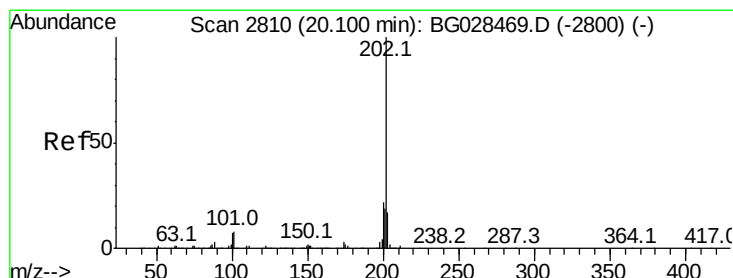
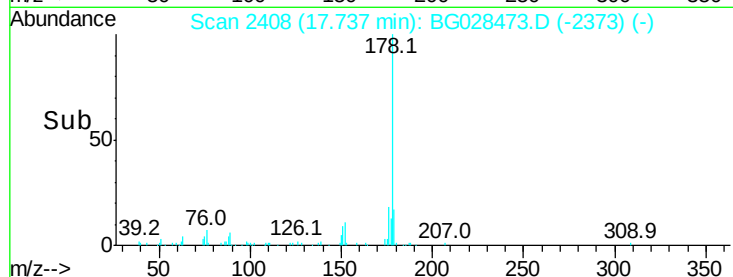
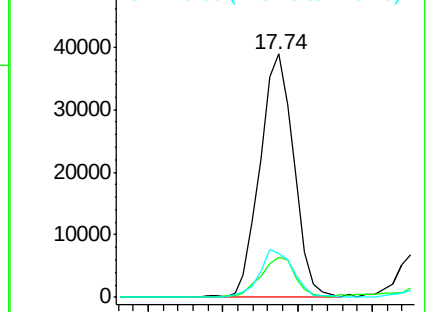


Abundance

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

Pyrene

Concen: 4.036 ng/ul

RT: 20.09 min Scan# 2809

Delta R.T. -0.01 min

Lab File: BG028473.D

Acq: 24 Aug 2017 23:25

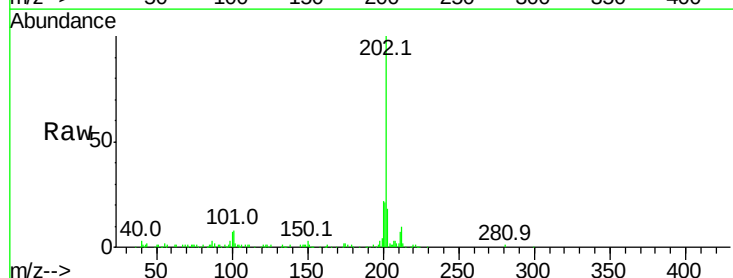
Tgt Ion:202 Resp: 88469

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 101 | 9.6   | 6.9   | 10.3  |
| 100 | 7.0   | 6.6   | 10.0  |

202 100

101 9.6 6.9 10.3

100 7.0 6.6 10.0

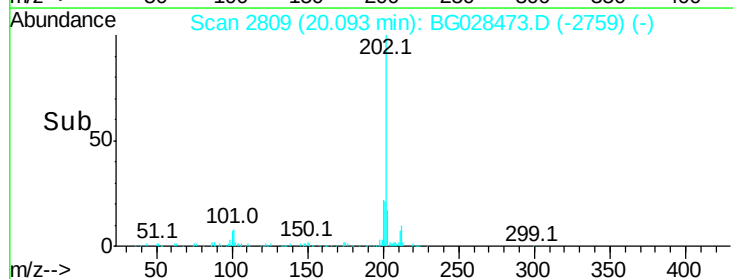
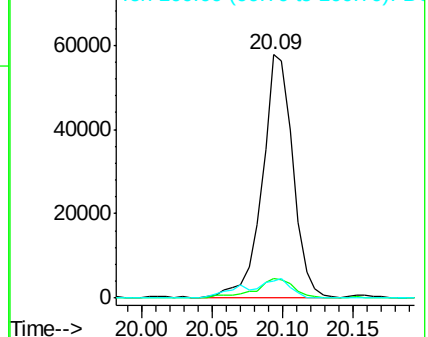


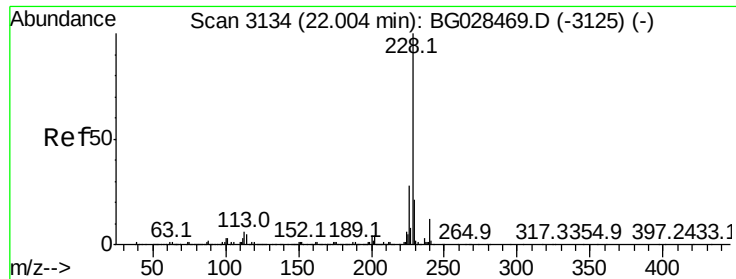
Abundance

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): B





#80

Benzo(a)anthracene

Concen: 2.139 ng/ul

RT: 22.08 min Scan# 3147

Delta R.T. 0.08 min

Lab File: BG028473.D

Acq: 24 Aug 2017 23:25

Instrument :

BNA\_G

ClientSampleId :

B0AG6

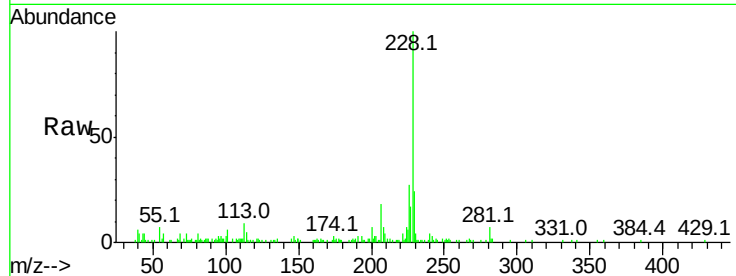
Tot Ion:228 Resp: 45408

Ion Ratio Lower Upper

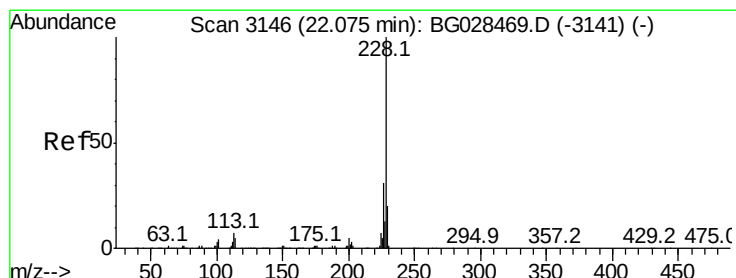
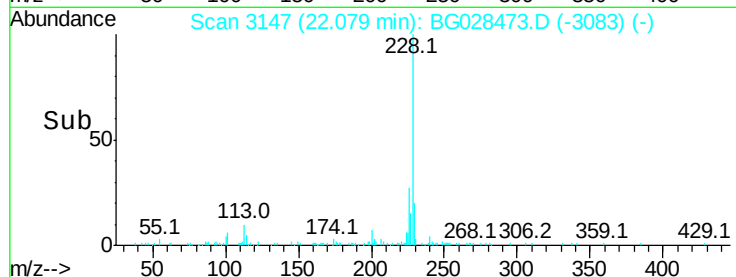
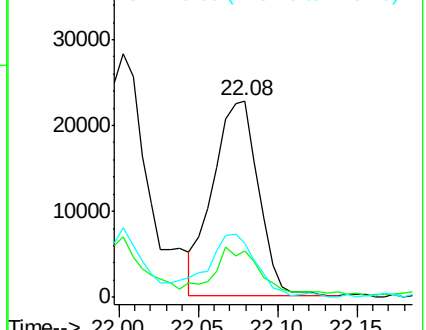
228 100

229 23.7 16.3 24.5

226 27.4 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: 2.375 ng/ul

RT: 22.08 min Scan# 3147

Delta R.T. 0.00 min

Lab File: BG028473.D

Acq: 24 Aug 2017 23:25

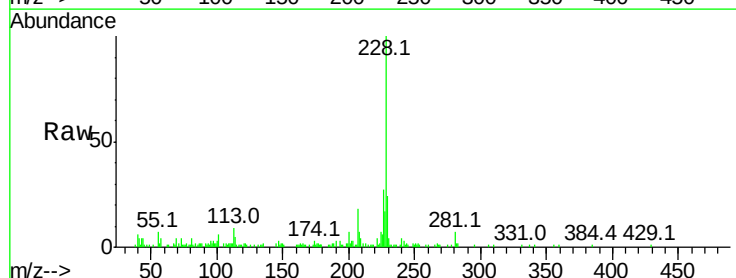
Tgt Ion:228 Resp: 45408

Ion Ratio Lower Upper

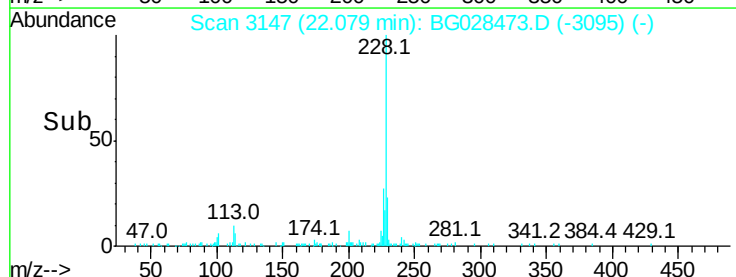
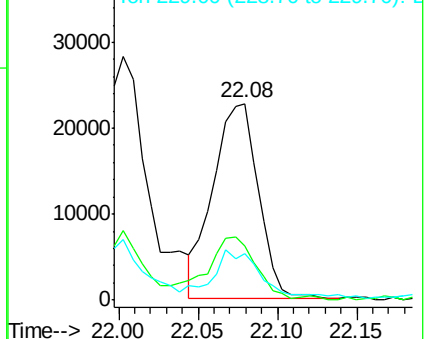
228 100

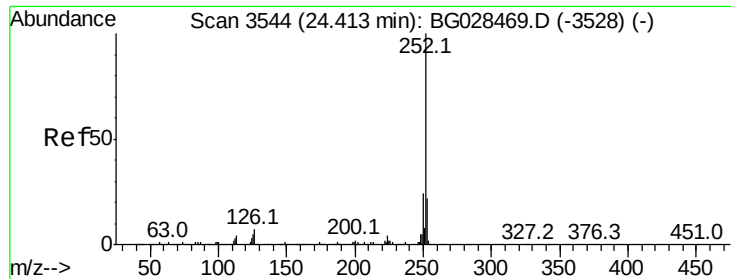
226 27.4 24.0 36.0

229 23.7 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





#85

Benzo(b)fluoranthene

Concen: 2.899 ng/ul

RT: 24.41 min Scan# 3544

Delta R.T. -0.00 min

Lab File: BG028473.D

Acq: 24 Aug 2017 23:25

Instrument :

BNA\_G

ClientSampleId :

B0AG6

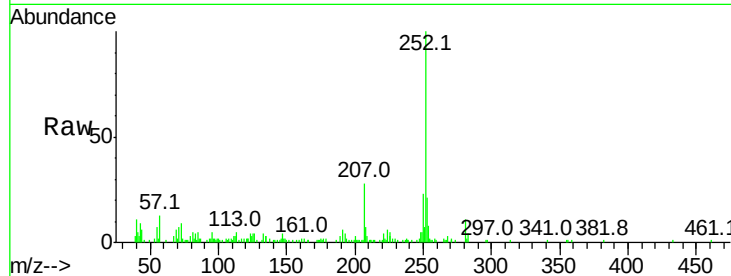
Tot Ion:252 Resp: 62177

Ion Ratio Lower Upper

252 100

253 20.6 17.7 26.5

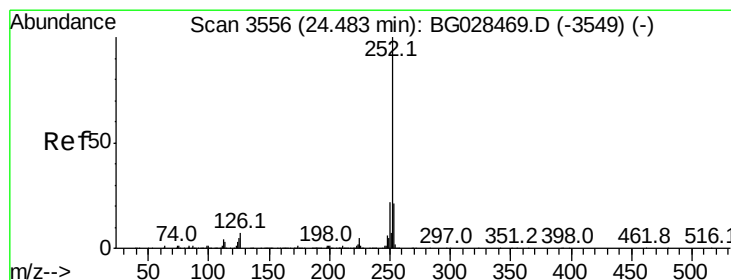
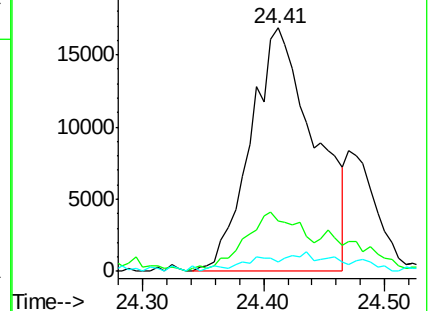
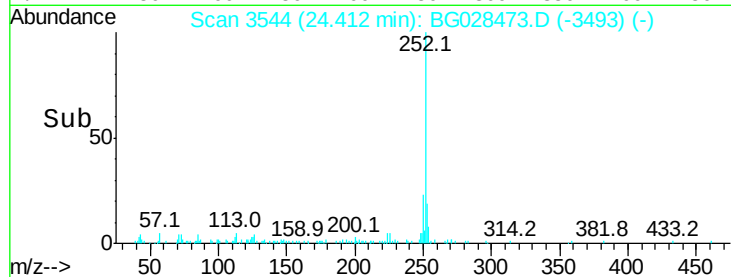
125 4.1 4.0 6.0



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: 2.968 ng/ul

RT: 24.41 min Scan# 3544

Delta R.T. -0.07 min

Lab File: BG028473.D

Acq: 24 Aug 2017 23:25

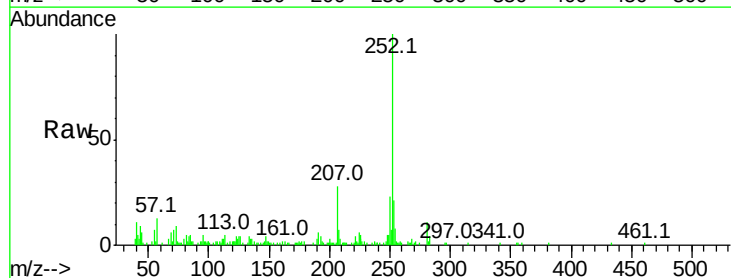
Tgt Ion:252 Resp: 62177

Ion Ratio Lower Upper

252 100

253 20.6 18.5 27.7

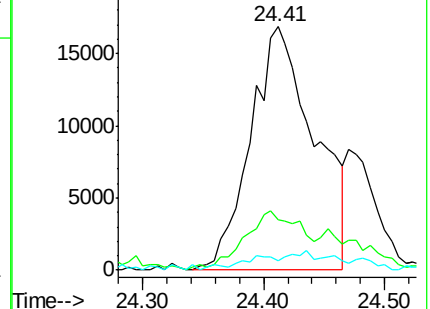
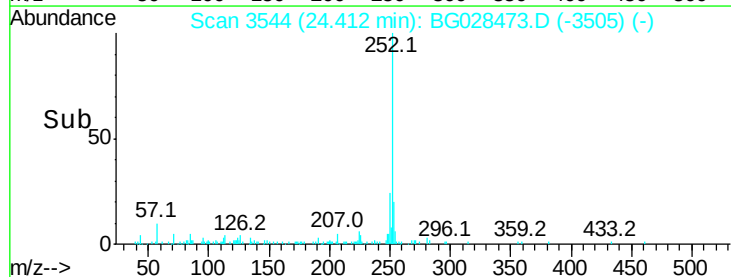
125 4.1 4.1 6.1

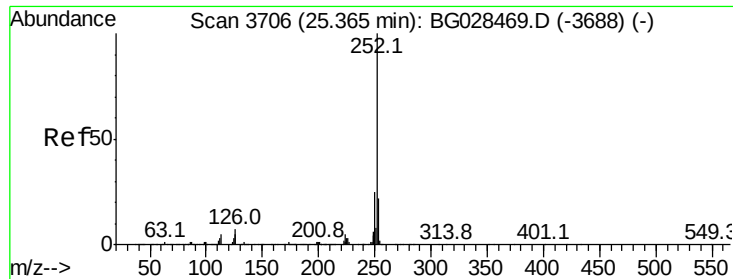


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 2.098 ng/ul

RT: 25.36 min Scan# 3705

Delta R.T. -0.01 min

Lab File: BG028473.D

Acq: 24 Aug 2017 23:25

Instrument :

BNA\_G

ClientSampleId :

B0AG6

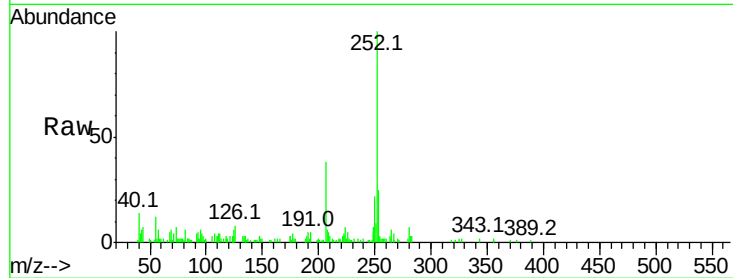
Tot Ion:252 Resp: 43573

Ion Ratio Lower Upper

252 100

253 25.2 17.8 26.6

125 5.8 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

