

Data Path : U:\HPCHEM1\BNA G\DATA\BG082217\  
 Data File : BG028421.D  
 Acq On : 22 Aug 2017 16:38  
 Operator : SJ/JU  
 Sample : I4713-05MS  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 E7GB4MS

Quant Time: Aug 23 03:46:28 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Aug 23 02:58:29 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.34  | 152  | 36784    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.16 | 136  | 168112   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.95 | 164  | 116927   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.80 | 188  | 232084   | 20.00 | ng/ul | 0.10     |
| 75) Chrysene-d12          | 22.03 | 240  | 301735   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 25.53 | 264  | 292020   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.83  | 96  | 1903   | 2.41  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.49  | 99  | 51599  | 12.77 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.65  | 67  | 35497  | 13.87 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.88  | 132 | 36820  | 14.45 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 9.04  | 113 | 21168  | 6.27  | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.51  | 128 | 20654  | 15.71 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.23 | 143 | 23994  | 16.65 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.78 | 165 | 47318  | 15.87 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.30 | 131 | 30231  | 9.11  | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 14.34 | 166 | 182507 | 17.55 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.65 | 160 | 213263 | 18.19 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 15.15 | 143 | 11646  | 7.04  | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.94 | 176 | 155363 | 16.65 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 16.15 | 200 | 147    | 0.10  | ng/ul | 0.09 |
| 70) Anthracene-d10             | 17.80 | 188 | 232084 | 20.85 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 20.07 | 212 | 271313 | 17.53 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 25.29 | 264 | 246206 | 18.01 | ng/ul | 0.00 |

## Target Compounds

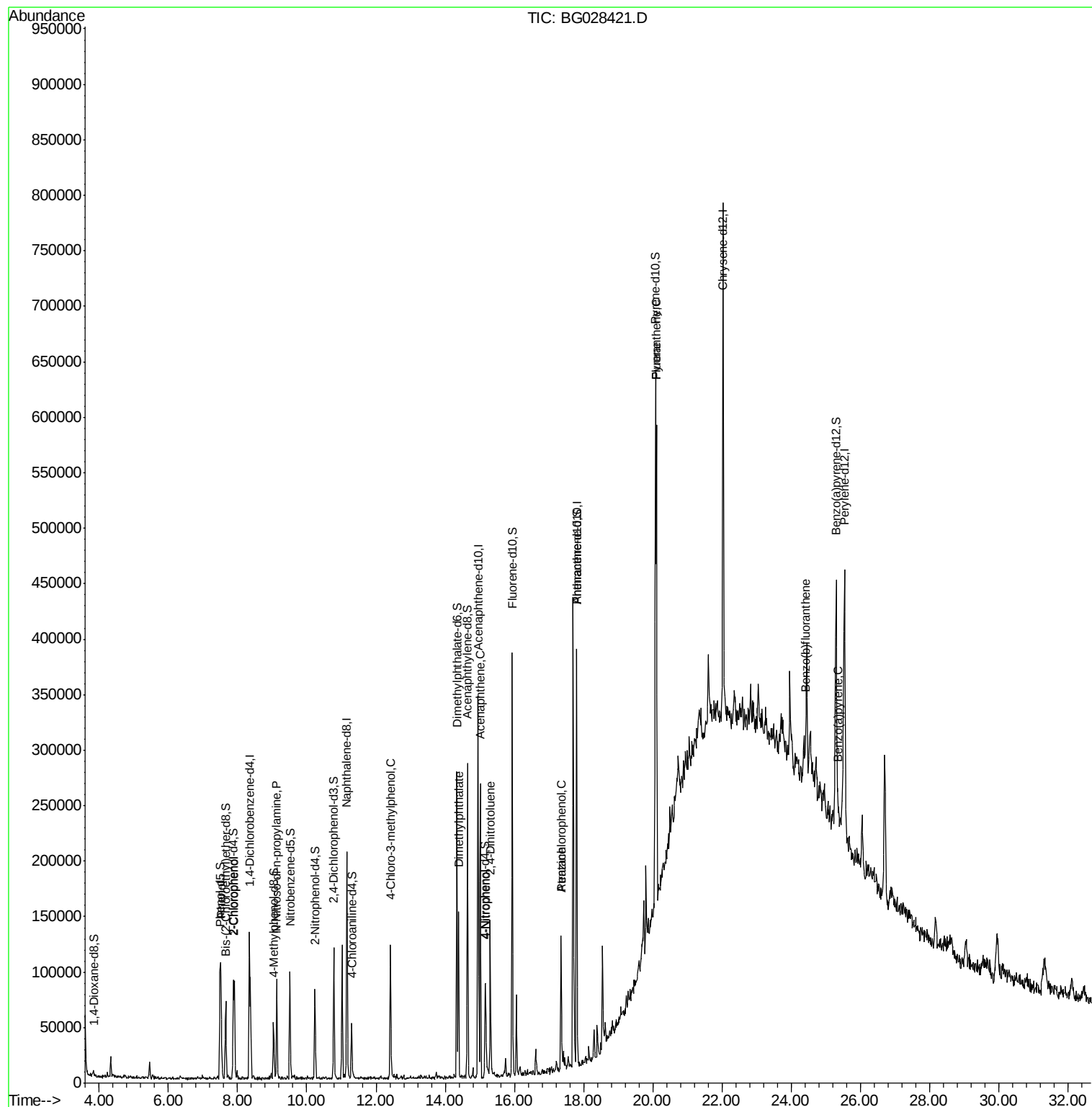
|                                |       |     |        |        | Ovalue |    |
|--------------------------------|-------|-----|--------|--------|--------|----|
| 6) Phenol                      | 7.52  | 94  | 52344  | 13.037 | ng/ul# | 92 |
| 10) 2-Chlorophenol             | 7.91  | 128 | 35350  | 14.234 | ng/ul  | 91 |
| 15) N-Nitroso-di-n-propylamine | 9.13  | 70  | 32551  | 11.894 | ng/ul# | 86 |
| 33) 4-Chloro-3-methylphenol    | 12.42 | 107 | 44063  | 12.716 | ng/ul  | 91 |
| 44) Dimethylphthalate          | 14.39 | 163 | 91919  | 9.599  | ng/ul# | 99 |
| 49) Acenaphthene               | 15.02 | 153 | 113364 | 14.994 | ng/ul  | 94 |
| 52) 4-Nitrophenol              | 15.17 | 109 | 17518  | 10.225 | ng/ul# | 75 |
| 54) 2,4-Dinitrotoluene         | 15.31 | 165 | 40824  | 13.625 | ng/ul# | 82 |
| 67) Atrazine                   | 17.36 | 200 | 4840   | 1.818  | ng/ul# | 40 |
| 68) Pentachlorophenol          | 17.35 | 266 | 26035  | 19.356 | ng/ul  | 94 |
| 74) Fluoranthene               | 20.10 | 202 | 274965 | 19.371 | ng/ul  | 98 |
| 77) Pyrene                     | 20.10 | 202 | 275737 | 15.317 | ng/ul  | 98 |
| 85) Benzo(b)fluoranthene       | 24.42 | 252 | 32327  | 1.850  | ng/ul# | 84 |
| 88) Benzo(a)pyrene             | 25.36 | 252 | 17345  | 1.025  | ng/ul# | 82 |

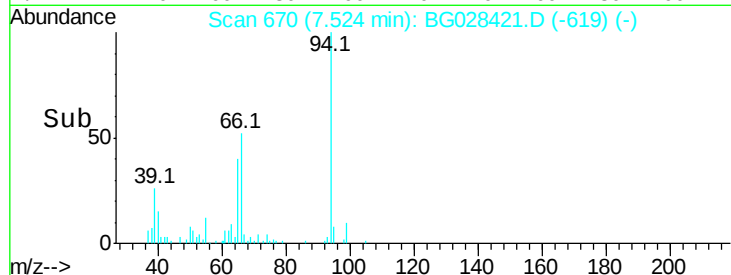
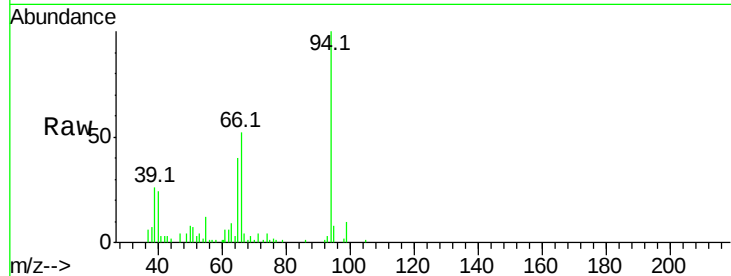
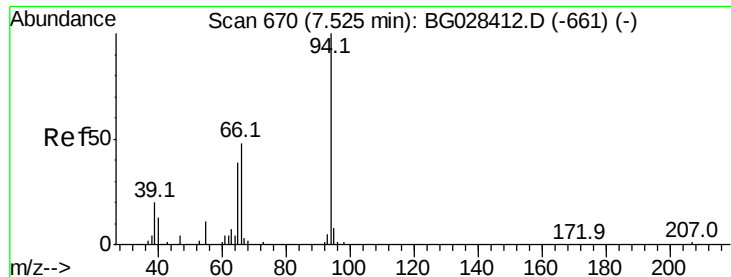
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : U:\HPCHEM1\BNA G\DATA\BG082217\  
Data File : BG028421.D  
Acq On : 22 Aug 2017 16:38  
Operator : SJ/JU  
Sample : I4713-05MS  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
E7GB4MS

Quant Time: Aug 23 03:46:28 2017  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Aug 23 02:58:29 2017  
Response via : Initial Calibration





#6

Phenol

Concen: 13.037 ng/ul

RT: 7.52 min Scan# 670

Delta R.T. -0.00 min

Lab File: BG028421.D

Acq: 22 Aug 2017 16:38

Instrument :

BNA\_G

ClientSampled :

E7GB4MS

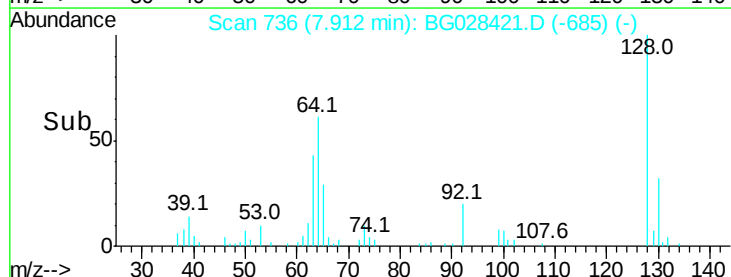
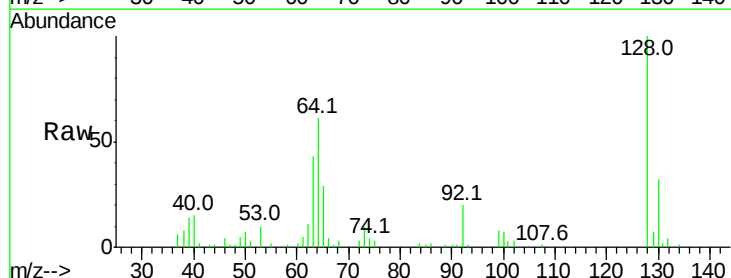
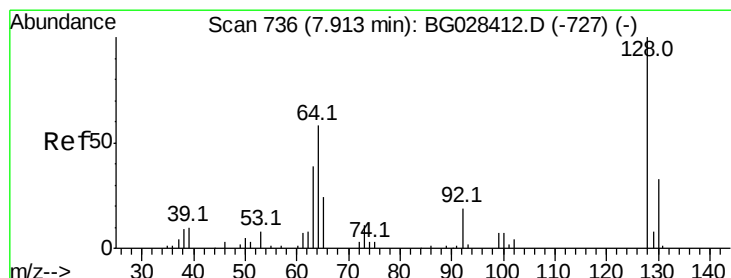
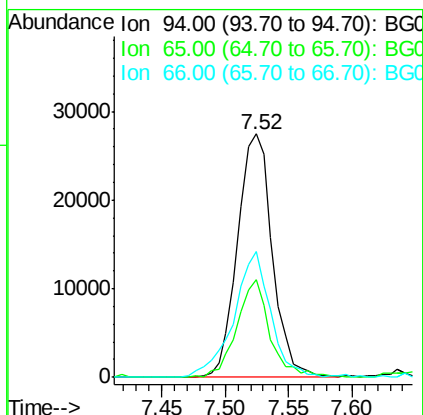
Tot Ion: 94 Resp: 52344

Ion Ratio Lower Upper

94 100

65 40.3 26.8 40.2#

66 51.7 44.4 66.6



#10

2-Chlorophenol

Concen: 14.234 ng/ul

RT: 7.91 min Scan# 736

Delta R.T. -0.00 min

Lab File: BG028421.D

Acq: 22 Aug 2017 16:38

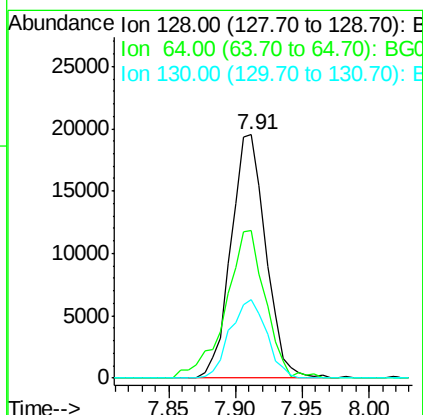
Tgt Ion:128 Resp: 35350

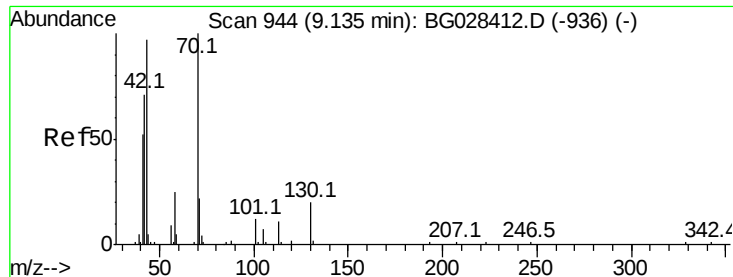
Ion Ratio Lower Upper

128 100

64 60.9 56.3 84.5

130 32.0 26.7 40.1

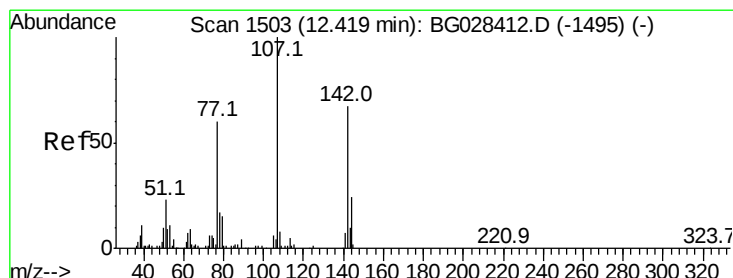
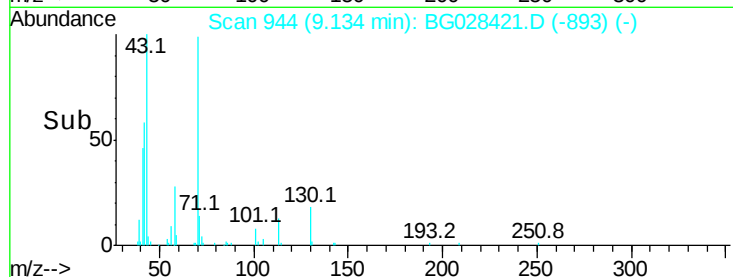
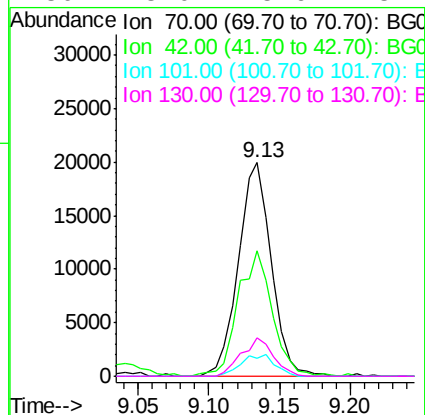
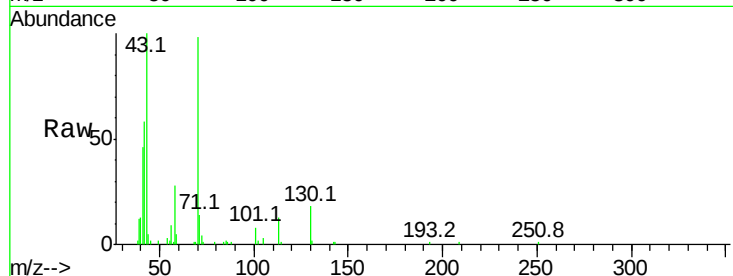




#15  
N-Nitroso-di-n-propylamine  
Concen: 11.894 ng/ul  
RT: 9.13 min Scan# 944  
Delta R.T. -0.00 min  
Lab File: BG028421.D  
Acq: 22 Aug 2017 16:38

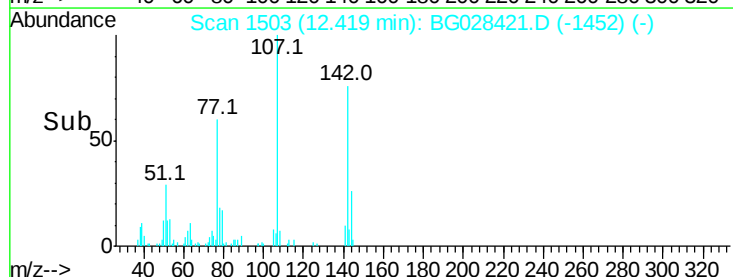
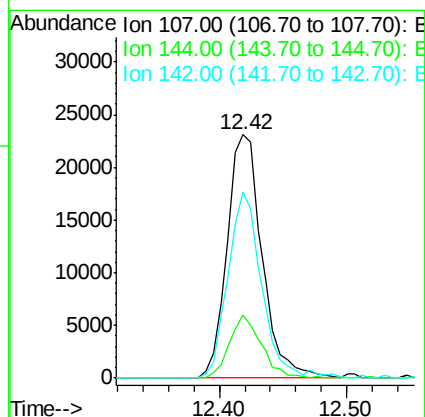
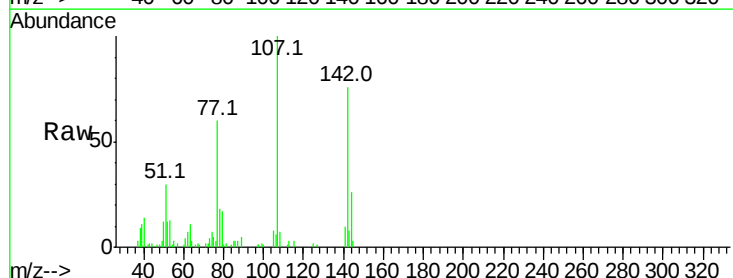
Instrument :  
BNA\_G  
ClientSampleId :  
E7GB4MS

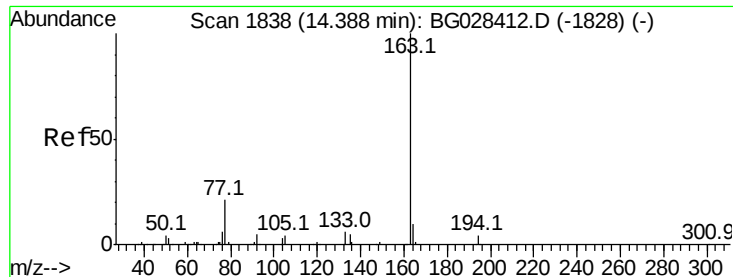
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 70    | Resp: | 32551 |
| Ion      | Ratio | Lower | Upper |
| 70       | 100   |       |       |
| 42       | 58.7  | 59.0  | 88.6# |
| 101      | 8.4   | 6.6   | 9.8   |
| 130      | 18.0  | 15.6  | 23.4  |



#33  
4-Chloro-3-methylphenol  
Concen: 12.716 ng/ul  
RT: 12.42 min Scan# 1503  
Delta R.T. -0.00 min  
Lab File: BG028421.D  
Acq: 22 Aug 2017 16:38

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 44063 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 144      | 26.0  | 18.2  | 27.4  |
| 142      | 76.2  | 55.0  | 82.4  |





#44

Dimethylphthalate

Concen: 9.599 ng/ul

RT: 14.39 min Scan# 1838

Delta R.T. -0.00 min

Lab File: BG028421.D

Acq: 22 Aug 2017 16:38

Instrument :

BNA\_G

ClientSampleId :

E7GB4MS

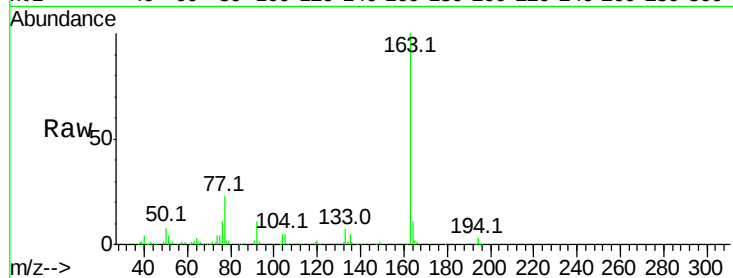
Tot Ion:163 Resp: 91919

Ion Ratio Lower Upper

163 100

194 3.2 3.4 5.0#

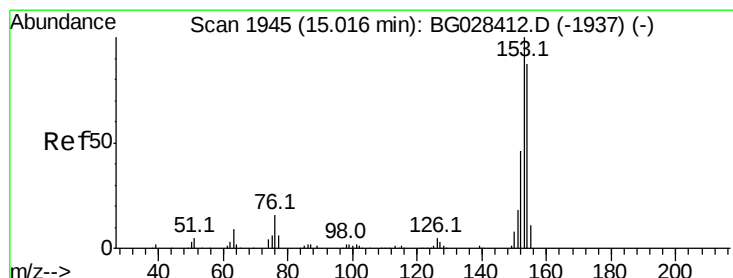
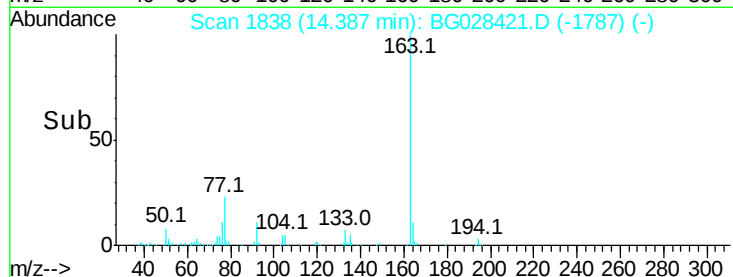
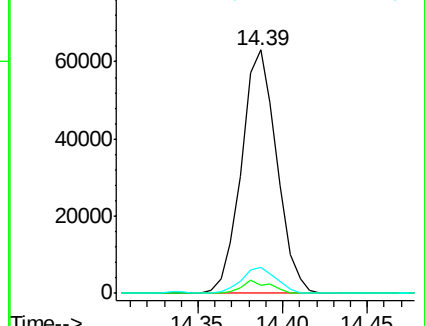
164 10.9 9.0 13.4



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



#49

Acenaphthene

Concen: 14.994 ng/ul

RT: 15.02 min Scan# 1945

Delta R.T. -0.00 min

Lab File: BG028421.D

Acq: 22 Aug 2017 16:38

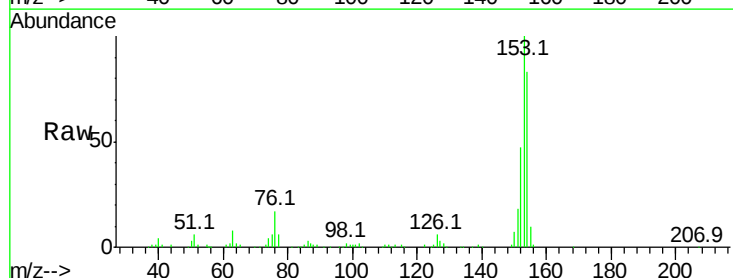
Tgt Ion:153 Resp: 113364

Ion Ratio Lower Upper

153 100

152 47.5 36.5 54.7

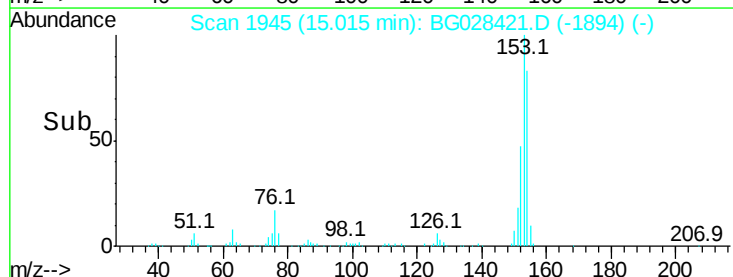
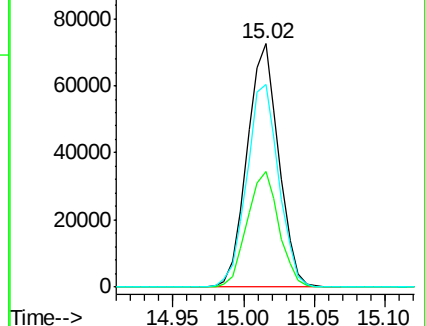
154 83.4 72.3 108.5

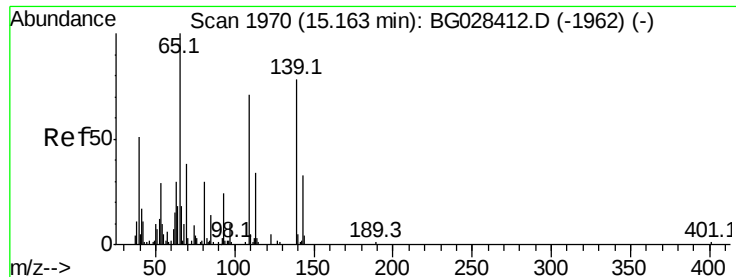


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#52

4-Nitrophenol

Concen: 10.225 ng/ul

RT: 15.17 min Scan# 1971

Delta R.T. 0.01 min

Lab File: BG028421.D

Acq: 22 Aug 2017 16:38

Instrument :

BNA\_G

ClientSampleId :

E7GB4MS

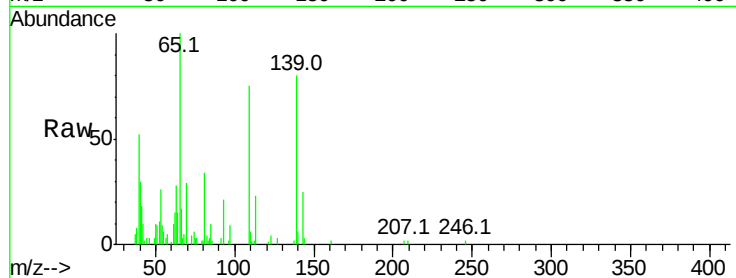
Tot Ion:109 Resp: 17518

Ion Ratio Lower Upper

109 100

139 107.0 62.6 93.8#

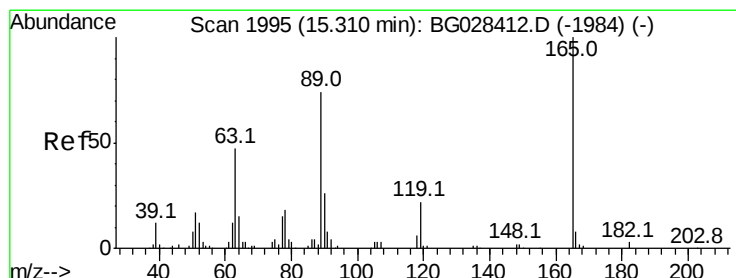
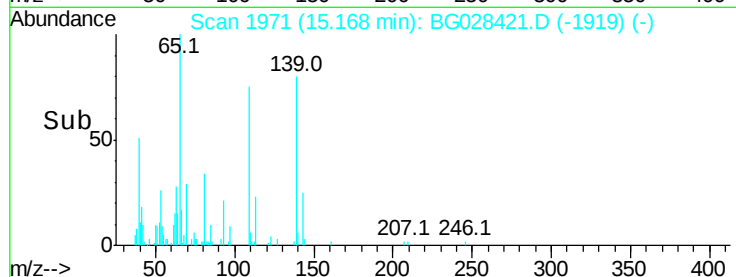
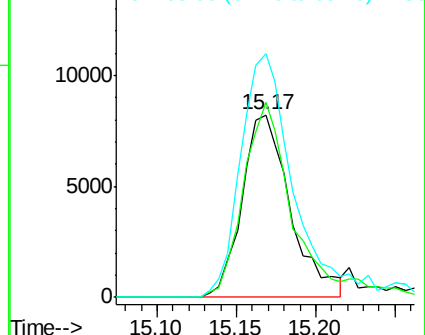
65 133.4 90.4 135.6



Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BGC



#54

2,4-Dinitrotoluene

Concen: 13.625 ng/ul

RT: 15.31 min Scan# 1995

Delta R.T. -0.00 min

Lab File: BG028421.D

Acq: 22 Aug 2017 16:38

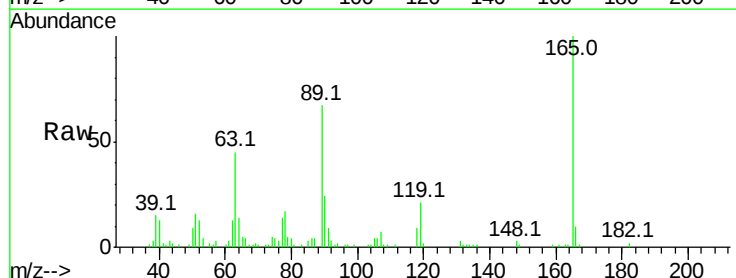
Tgt Ion:165 Resp: 40824

Ion Ratio Lower Upper

165 100

63 44.9 46.8 70.2#

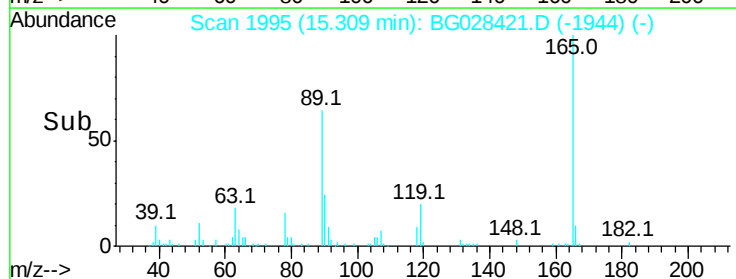
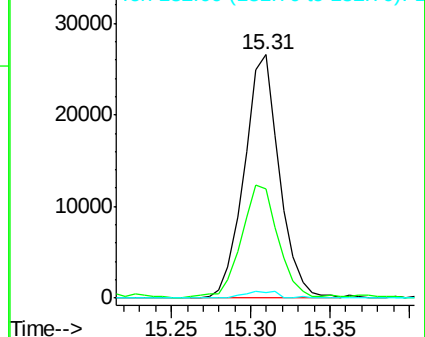
182 2.5 1.8 2.6

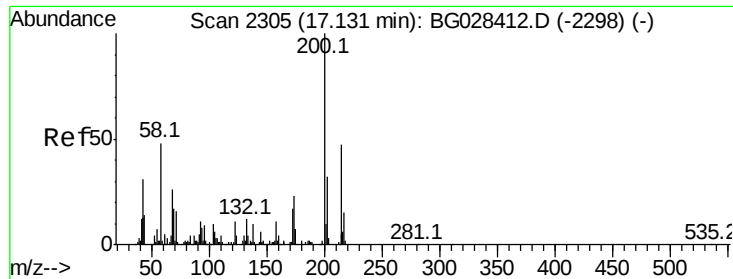


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 182.00 (181.70 to 182.70): E





#67

Atrazine

Concen: 1.818 ng/ul

RT: 17.36 min Scan# 2344

Delta R.T. 0.23 min

Lab File: BG028421.D

Acq: 22 Aug 2017 16:38

Instrument :

BNA\_G

ClientSampleId :

E7GB4MS

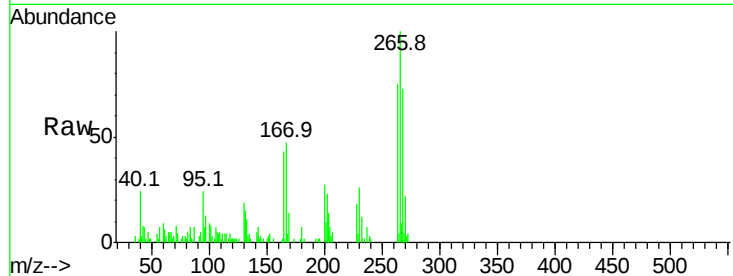
Tot Ion:200 Resp: 4840

Ion Ratio Lower Upper

200 100

173 7.6 19.2 28.8#

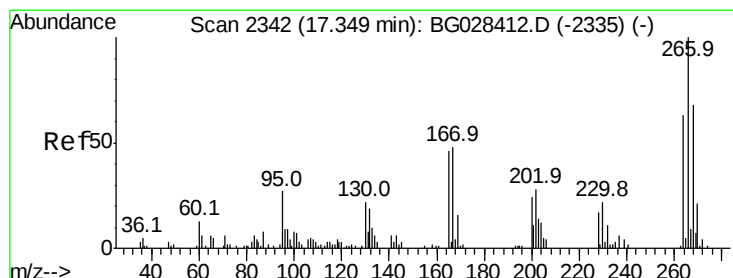
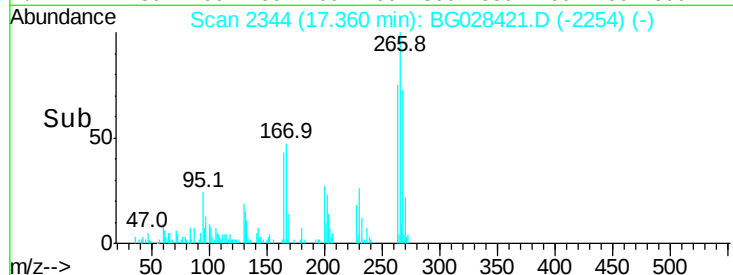
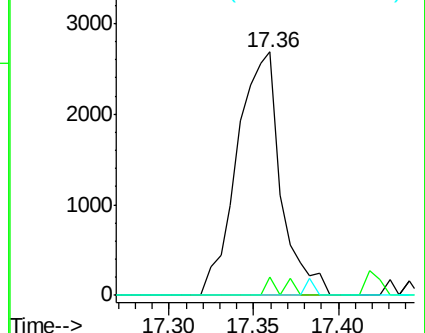
215 0.0 40.3 60.5#



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#68

Pentachlorophenol

Concen: 19.356 ng/ul

RT: 17.35 min Scan# 2342

Delta R.T. -0.00 min

Lab File: BG028421.D

Acq: 22 Aug 2017 16:38

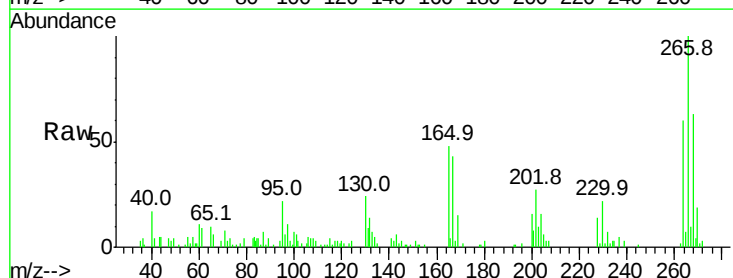
Tgt Ion:266 Resp: 26035

Ion Ratio Lower Upper

266 100

264 60.1 47.1 70.7

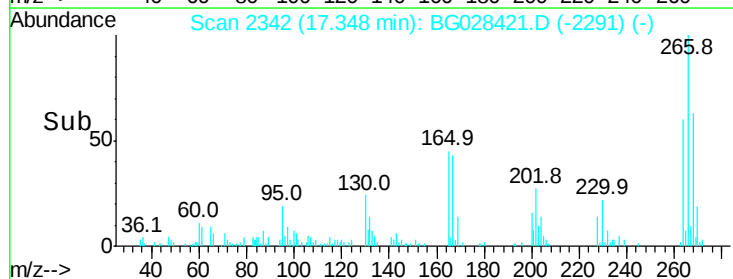
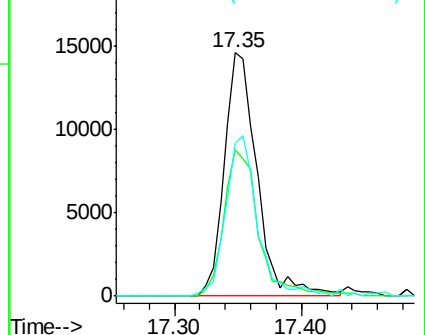
268 62.9 56.2 84.4

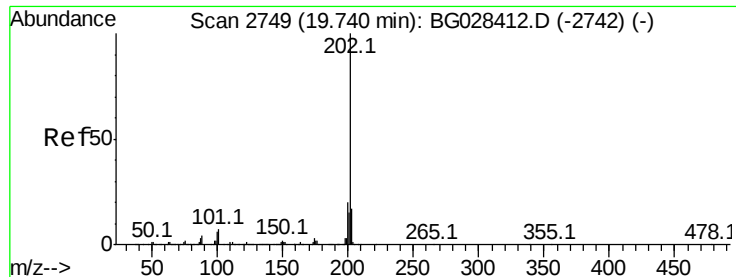


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#74

Fluoranthene

Concen: 19.371 ng/ul

RT: 20.10 min Scan# 2811

Delta R.T. 0.36 min

Lab File: BG028421.D

Acq: 22 Aug 2017 16:38

Instrument :

BNA\_G

ClientSampleId :

E7GB4MS

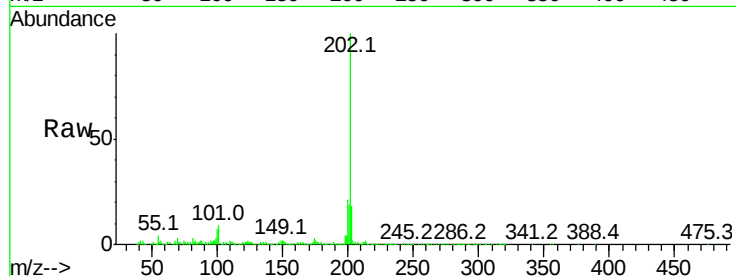
Tot Ion:202 Resp: 274965

Ion Ratio Lower Upper

202 100

101 8.7 6.2 9.2

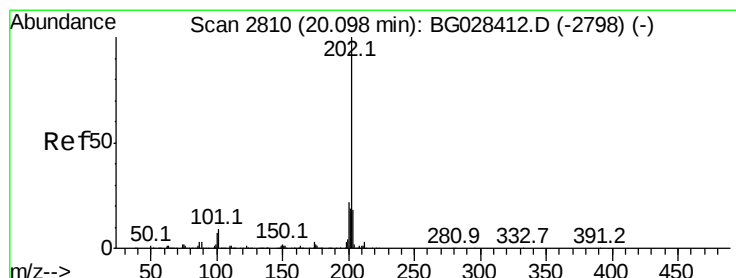
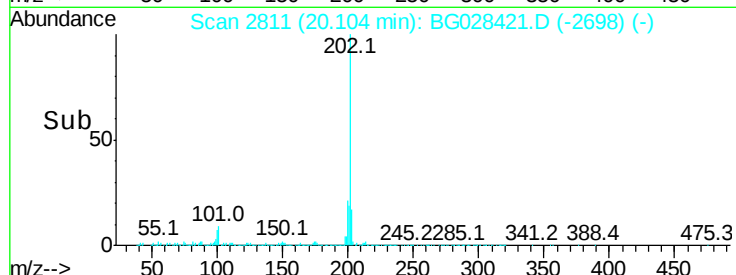
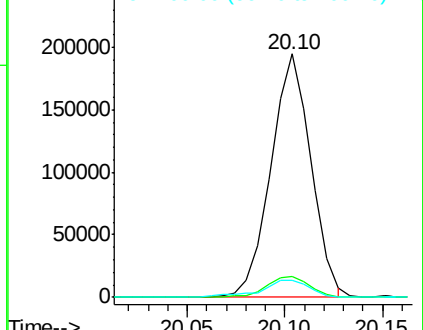
100 7.1 5.2 7.8



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: 15.317 ng/ul

RT: 20.10 min Scan# 2811

Delta R.T. 0.01 min

Lab File: BG028421.D

Acq: 22 Aug 2017 16:38

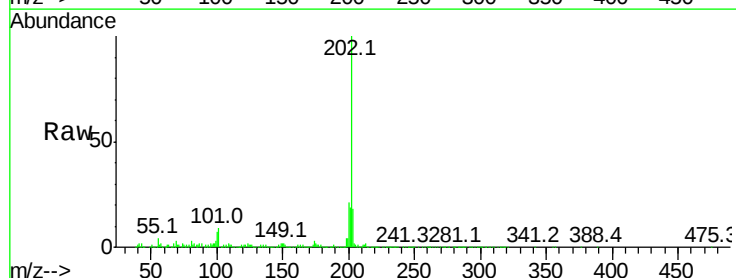
Tgt Ion:202 Resp: 275737

Ion Ratio Lower Upper

202 100

101 8.7 6.9 10.3

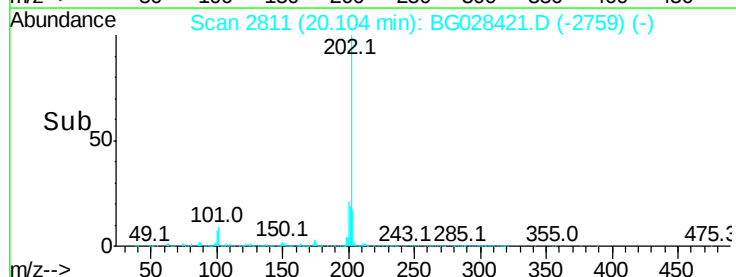
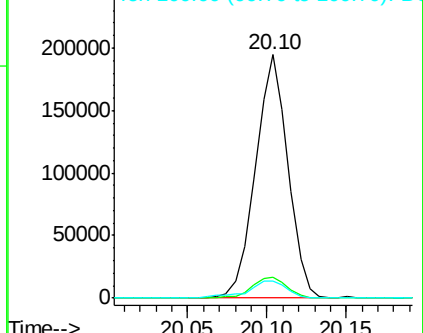
100 7.1 6.6 10.0

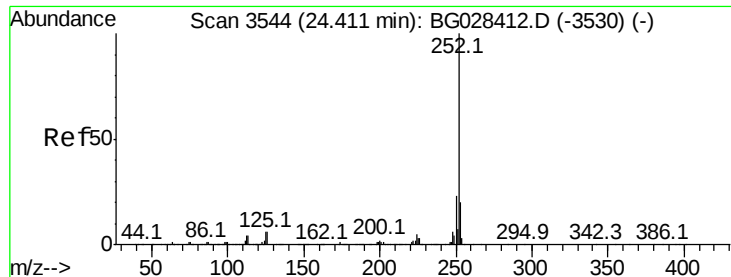


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#85

Benzo(b)fluoranthene

Concen: 1.850 ng/ul

RT: 24.42 min Scan# 3545

Delta R.T. 0.01 min

Lab File: BG028421.D

Acq: 22 Aug 2017 16:38

Instrument :

BNA\_G

ClientSampled :

E7GB4MS

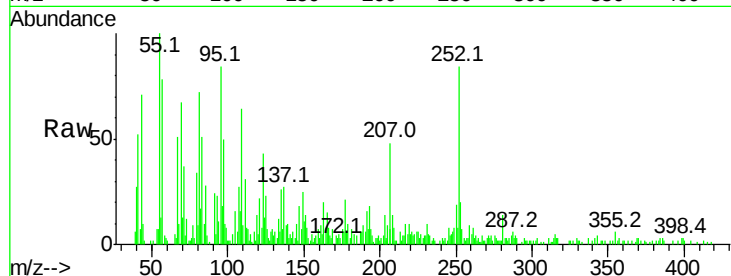
Tot Ion:252 Resp: 32327

Ion Ratio Lower Upper

252 100

253 24.1 17.7 26.5

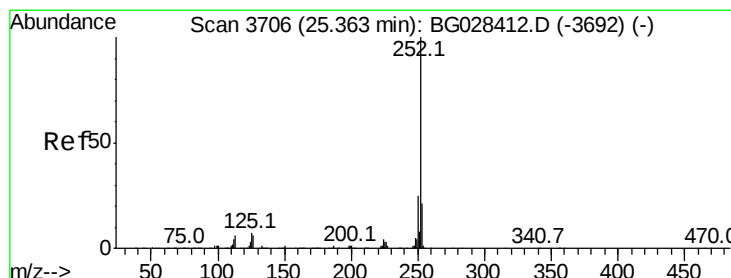
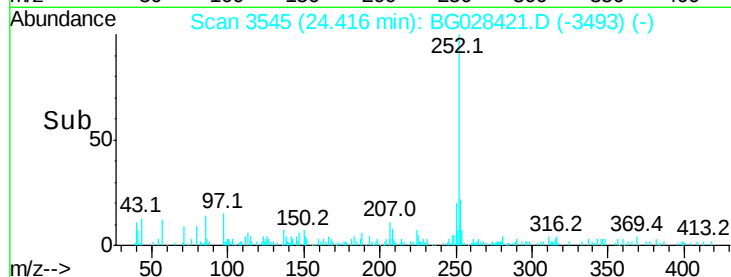
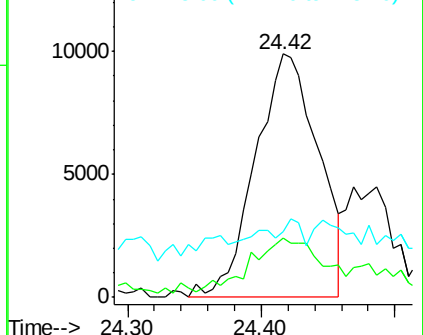
125 26.7 4.0 6.0#



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



#88

Benzo(a)pyrene

Concen: 1.025 ng/ul

RT: 25.36 min Scan# 3705

Delta R.T. -0.01 min

Lab File: BG028421.D

Acq: 22 Aug 2017 16:38

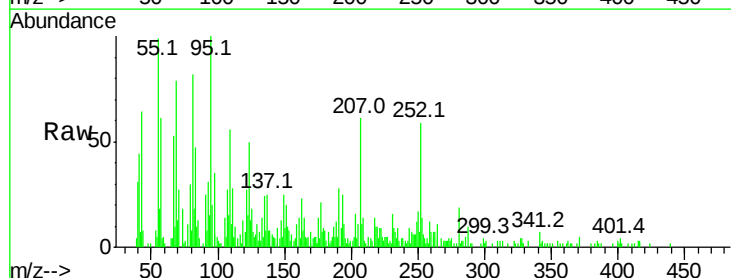
Tgt Ion:252 Resp: 17345

Ion Ratio Lower Upper

252 100

253 23.4 17.8 26.6

125 30.3 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

