

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG060115\  
 Data File : BG017370.D  
 Acq On : 1 Jun 2015 13:59  
 Operator : TP/IZ  
 Sample : G2431-05  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BCRF8

Quant Time: Jun 02 05:50:07 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG052915.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jun 02 05:29:39 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.64  | 152  | 22354    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.44 | 136  | 111042   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.30 | 164  | 73928    | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.05 | 188  | 167123   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.24 | 240  | 174505   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.49 | 264  | 172079   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.07  | 96  | 1835   | 3.90  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.84  | 99  | 39375  | 20.90 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.98  | 67  | 25167  | 22.34 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.18  | 132 | 34578  | 22.64 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.38  | 113 | 30753  | 19.05 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.80  | 128 | 17444  | 20.28 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.53  | 143 | 19904  | 19.44 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.08 | 165 | 31230  | 17.35 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.58 | 131 | 39232  | 18.99 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.72 | 166 | 95524  | 18.12 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 13.99 | 160 | 132015 | 19.34 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.56 | 143 | 12848  | 12.78 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.30 | 176 | 100363 | 19.76 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.43 | 200 | 15212  | 13.01 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.15 | 188 | 147185 | 18.80 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.45 | 212 | 166104 | 19.66 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.34 | 264 | 147602 | 19.21 | ng/ul | 0.00 |

## Target Compounds

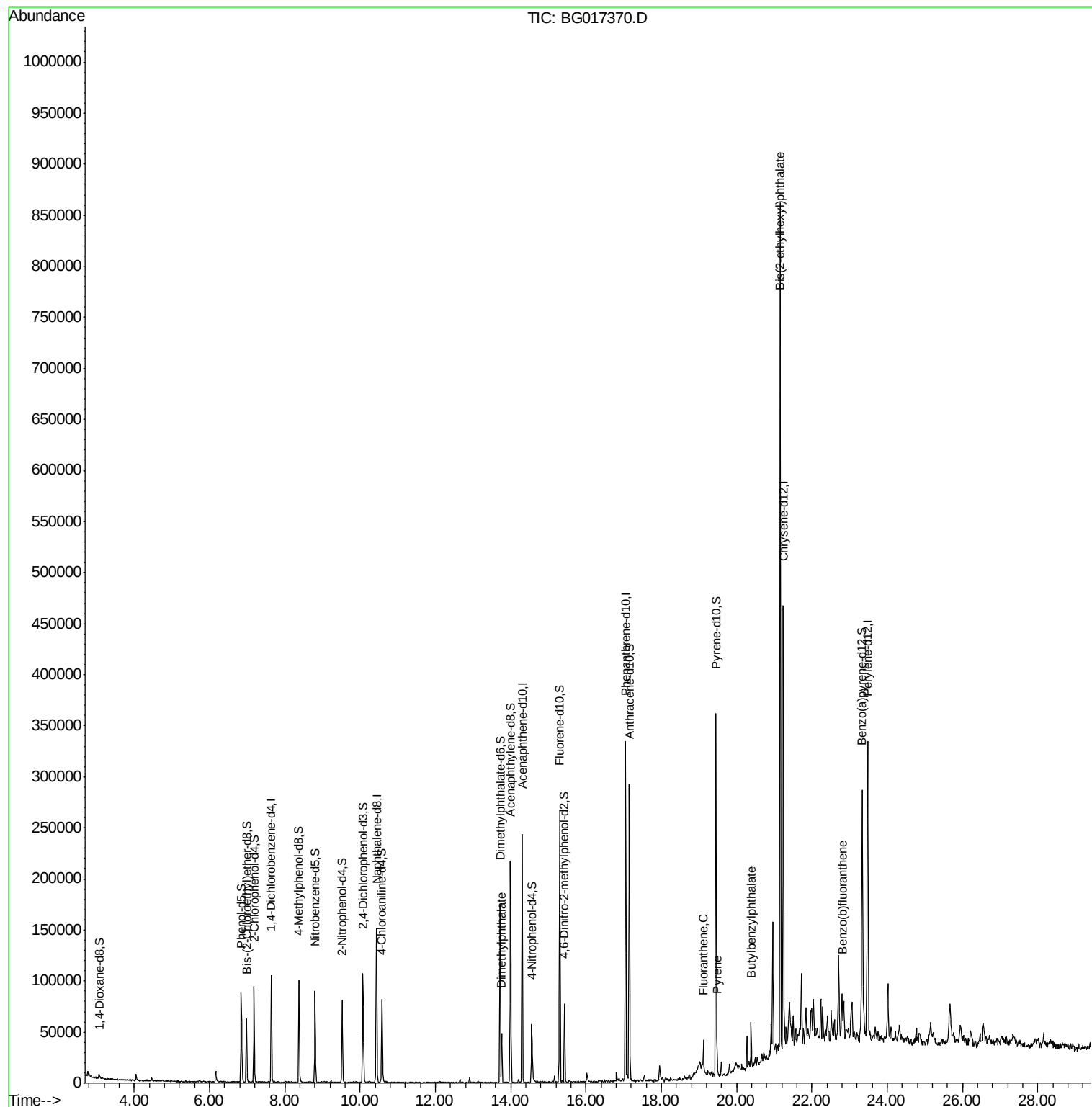
|                                |       |     |        |       |        | Qvalue |
|--------------------------------|-------|-----|--------|-------|--------|--------|
| 44) Dimethylphthalate          | 13.76 | 163 | 23881  | 4.08  | ng/ul# | 96     |
| 74) Fluoranthene               | 19.12 | 202 | 14460  | 1.35  | ng/ul# | 95     |
| 77) Pyrene                     | 19.48 | 202 | 13895  | 1.27  | ng/ul# | 96     |
| 78) Butylbenzylphthalate       | 20.39 | 149 | 10698  | 2.18  | ng/ul  | 96     |
| 81) Bis(2-ethylhexyl)phthalate | 21.16 | 149 | 240485 | 34.07 | ng/ul  | 99     |
| 85) Benzo(b)fluoranthene       | 22.81 | 252 | 14131  | 1.36  | ng/ul# | 94     |

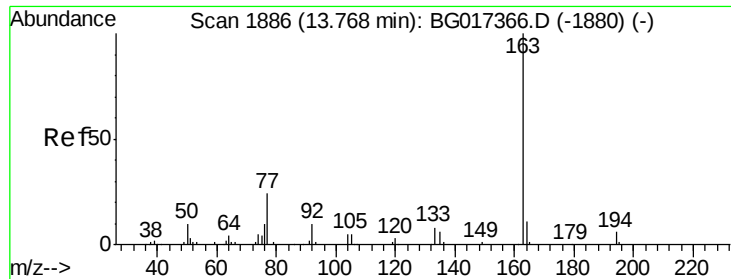
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#44

Dimethylphthalate

Concen: 4.08 ng/ul

RT: 13.76 min Scan# 1885

Delta R.T. -0.00 min

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Instrument :

BNA\_G

ClientSampleId :

BCRF8

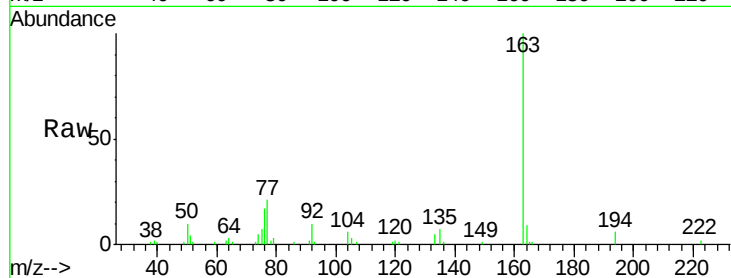
Tgt Ion:163 Resp: 23881

Ion Ratio Lower Upper

163 100

194 6.5 5.2 7.8

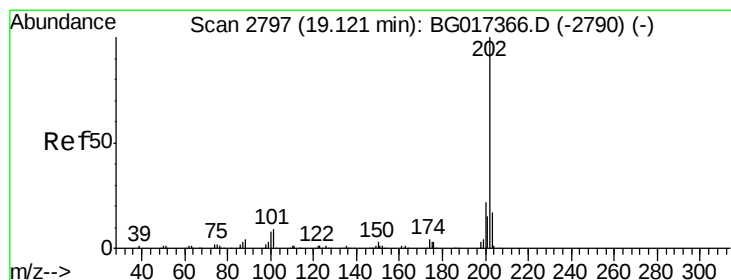
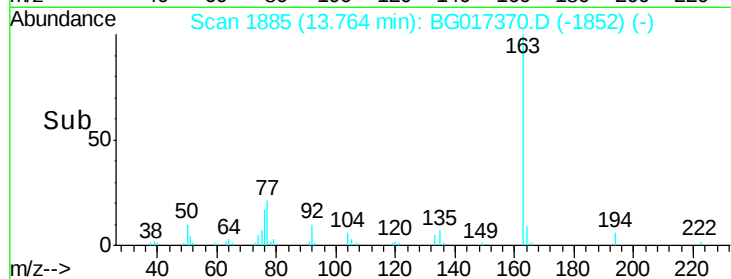
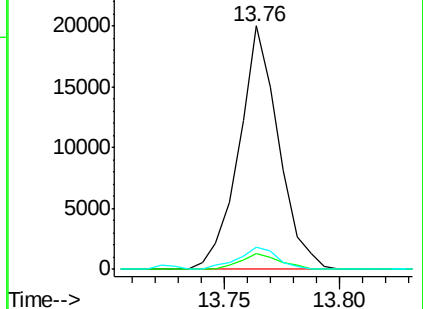
164 9.1 9.2 13.8#



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



#74

Fluoranthene

Concen: 1.35 ng/ul

RT: 19.12 min Scan# 2796

Delta R.T. -0.00 min

Lab File: BG017370.D

Acq: 1 Jun 2015 13:59

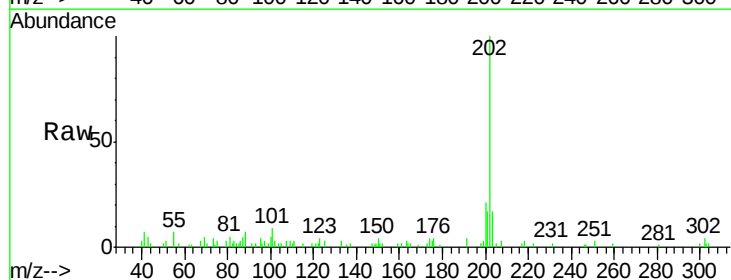
Tgt Ion:202 Resp: 14460

Ion Ratio Lower Upper

202 100

101 11.2 7.8 11.8

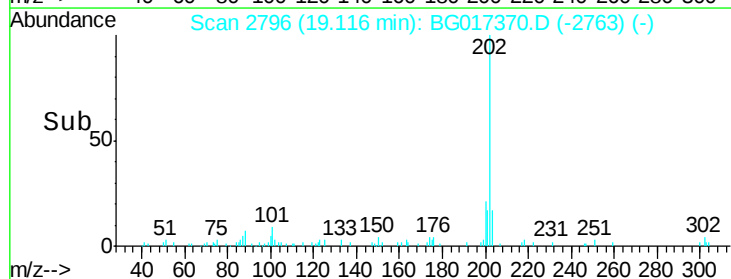
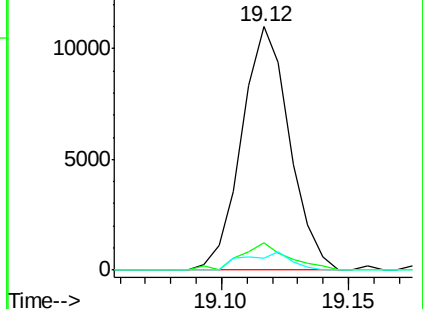
100 5.0 5.8 8.8#

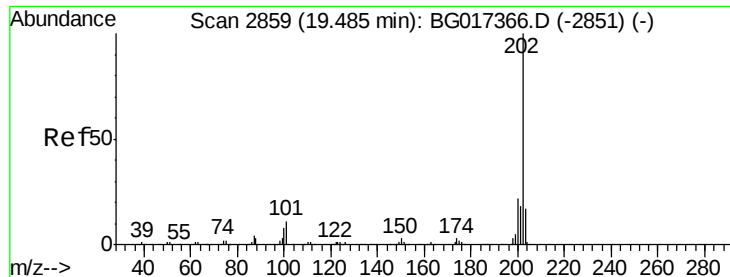


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#77

Pyrene

Concen: 1.27 ng/ul

RT: 19.48 min Scan# 2858

Delta R.T. -0.00 min

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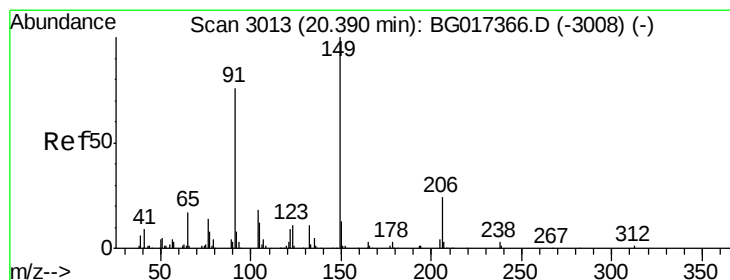
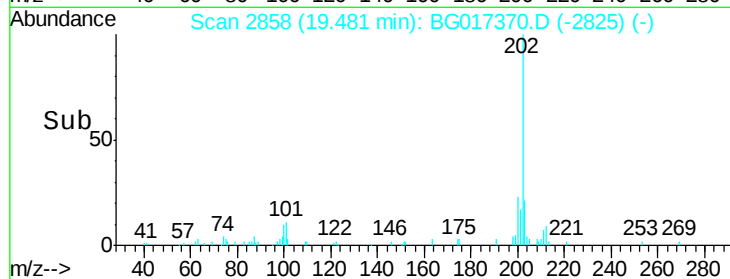
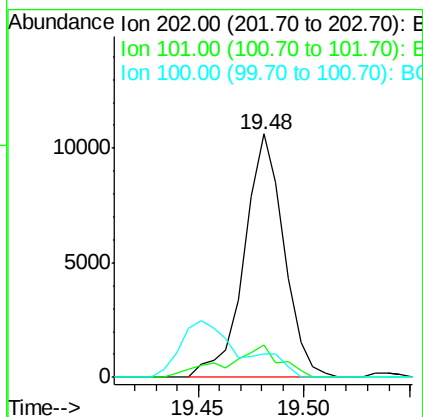
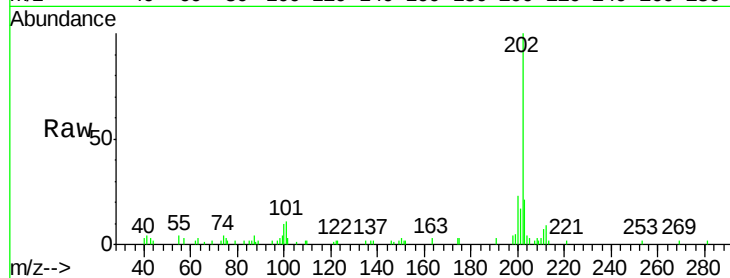
Instrument :

BNA\_G

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|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 202   | Resp: | 13895 |
| Ion      | Ratio | Lower | Upper |
| 202      | 100   |       |       |
| 101      | 13.5  | 8.6   | 12.8# |
| 100      | 9.7   | 7.4   | 11.2  |



#78

Butylbenzylphthalate

Concen: 2.18 ng/ul

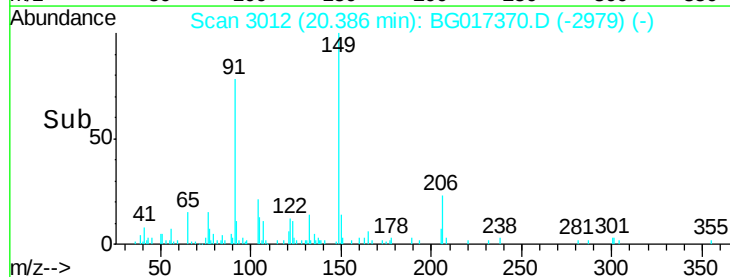
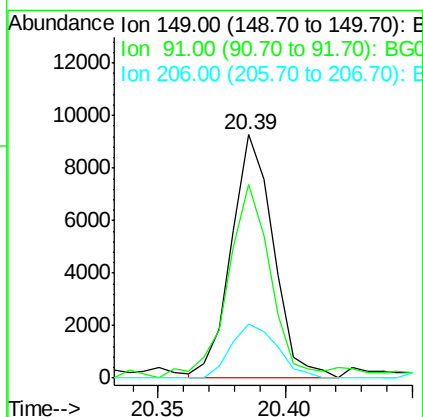
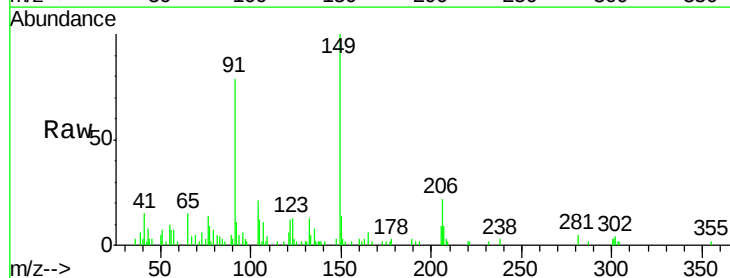
RT: 20.39 min Scan# 3012

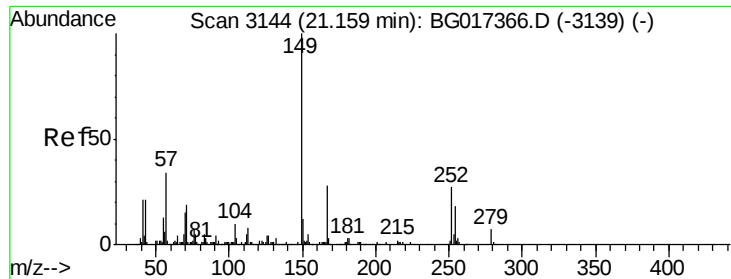
Delta R.T. -0.00 min

Lab File: BG017370.D

Acq: 1 Jun 2015 13:59

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 149   | Resp: | 10698 |
| Ion      | Ratio | Lower | Upper |
| 149      | 100   |       |       |
| 91       | 79.4  | 60.3  | 90.5  |
| 206      | 22.5  | 18.4  | 27.6  |

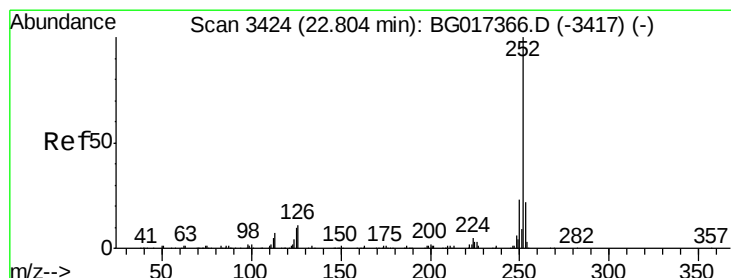
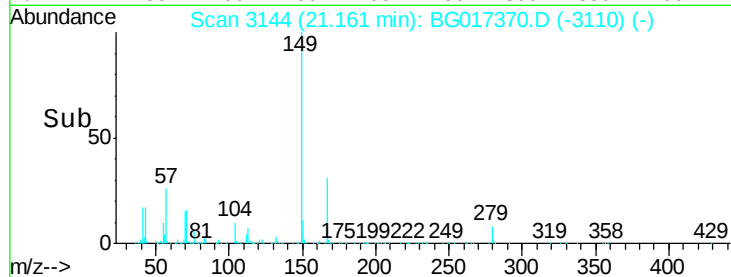
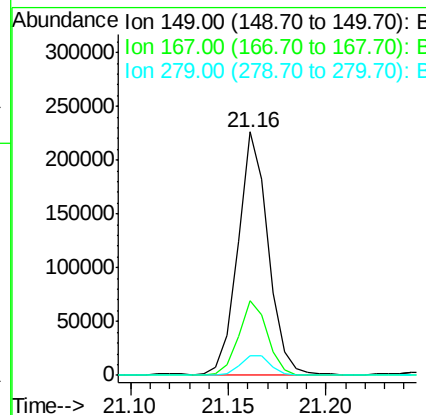
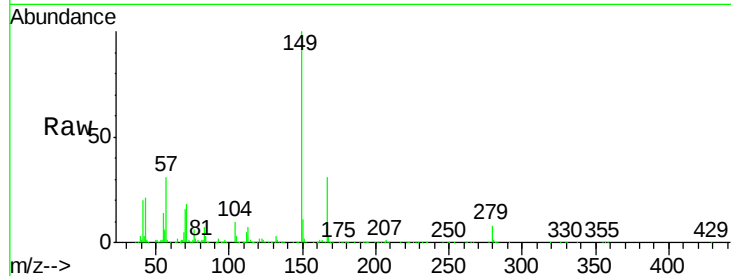




#81  
 Bis(2-ethylhexyl)phthalate  
 Concen: 34.07 ng/ul  
 RT: 21.16 min Scan# 3144  
 Delta R.T. 0.00 min  
 Lab File: BG017370.D  
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Tgt Ion:149 Resp: 240485  
 Ion Ratio Lower Upper  
 149 100  
 167 30.7 25.1 37.7  
 279 7.9 7.0 10.4



#85  
 Benzo(b)fluoranthene  
 Concen: 1.36 ng/ul  
 RT: 22.81 min Scan# 3425  
 Delta R.T. 0.01 min  
 Lab File: BG017370.D  
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Tgt Ion:252 Resp: 14131  
 Ion Ratio Lower Upper  
 252 100  
 253 22.3 16.6 25.0  
 125 12.0 5.4 8.0#

