

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG072015\  
 Data File : BG017993.D  
 Acq On : 20 Jul 2015 17:39  
 Operator : TP/UM  
 Sample : G2976-01DL 10X  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BRIDGE14-5(0-2)DL

Quant Time: Jul 20 19:04:02 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG071715.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Jul 18 01:50:30 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.59  | 152  | 127614   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.37 | 136  | 557434   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 14.25 | 164  | 329492   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 17.00 | 188  | 639133   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 21.21 | 240  | 646121   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 23.43 | 264  | 679625   | 20.00 | ng    | 0.01     |

|                             |       |     |        |      |    |      |
|-----------------------------|-------|-----|--------|------|----|------|
| System Monitoring Compounds |       |     |        |      |    |      |
| 5) 2-Fluorophenol           | 5.20  | 112 | 25123  | 3.43 | ng | 0.00 |
| 7) Phenol-d6                | 6.77  | 99  | 71798  | 7.49 | ng | 0.00 |
| 23) Nitrobenzene-d5         | 8.74  | 82  | 42276  | 4.91 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol    | 15.74 | 330 | 3308   | 0.99 | ng | 0.00 |
| 44) 2-Fluorobiphenyl        | 12.86 | 172 | 107912 | 5.68 | ng | 0.00 |
| 78) Terphenyl-d14           | 19.64 | 244 | 131847 | 5.14 | ng | 0.00 |

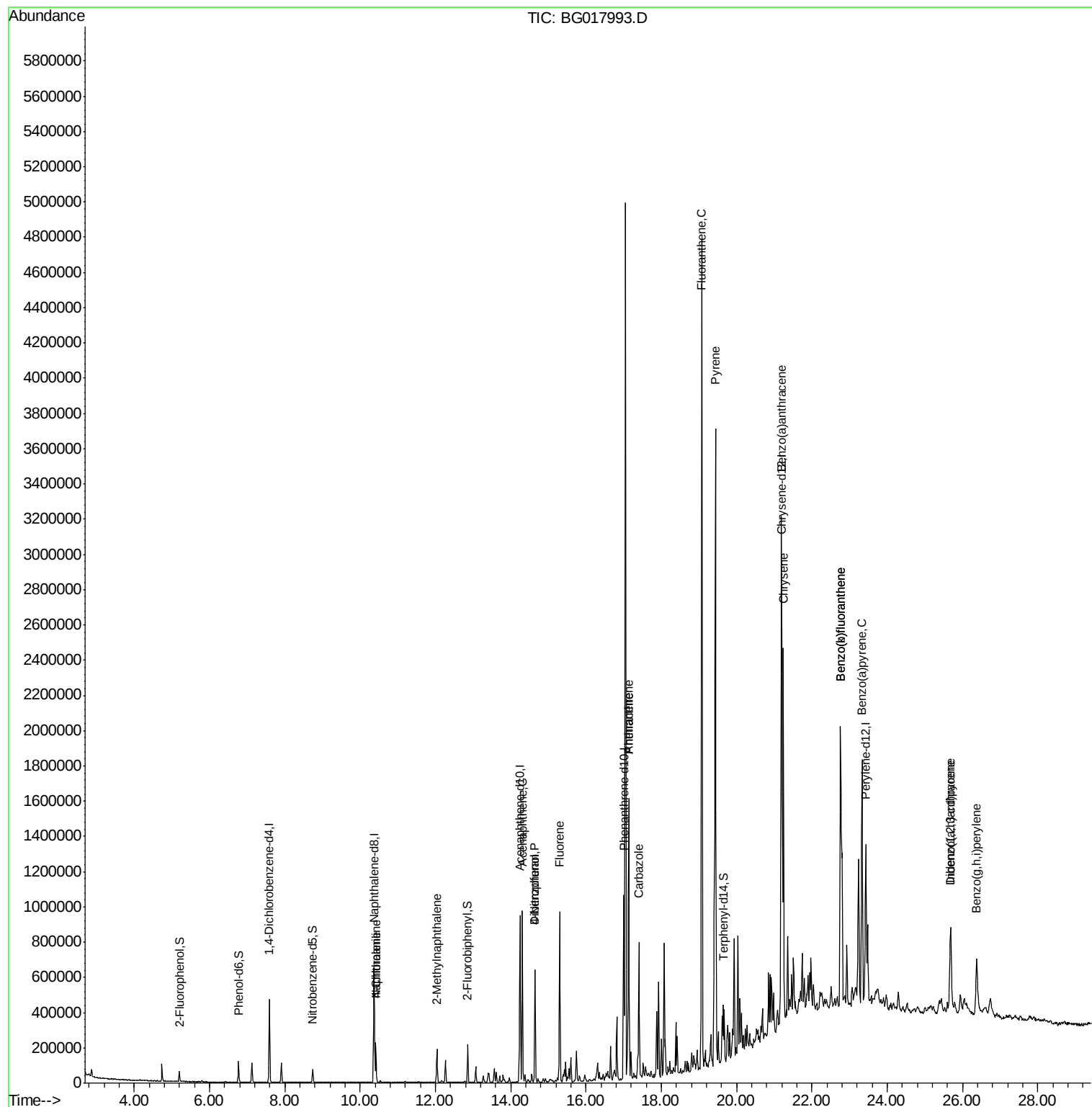
|                                |       |     |         |           |    |      |
|--------------------------------|-------|-----|---------|-----------|----|------|
| Target Compounds               |       |     |         | Qvalue    |    |      |
| 31) Naphthalene                | 10.42 | 128 | 195740  | 7.17      | ng | 98   |
| 32) Benzoic acid               | 9.70  | 122 | 69      | Below Cal | #  | 29   |
| 33) 4-Chloroaniline            | 10.41 | 127 | 25161   | 2.07      | ng | # 32 |
| 37) 2-Methylnaphthalene        | 12.04 | 142 | 92836   | 4.74      | ng | 91   |
| 51) Acenaphthene               | 14.31 | 154 | 352502  | 18.67     | ng | 97   |
| 54) Dibenzofuran               | 14.64 | 168 | 397622  | 14.60     | ng | 93   |
| 55) 4-Nitrophenol              | 14.64 | 139 | 142472  | 30.89     | ng | # 8  |
| 57) Fluorene                   | 15.30 | 166 | 419394  | 17.91     | ng | 97   |
| 64) 4,6-Dinitro-2-methylphenol | 15.42 | 198 | 72      | Below Cal | #  | 1    |
| 69) Pentachlorophenol          | 16.43 | 266 | 56      | Below Cal | #  | 18   |
| 70) Phenanthrene               | 17.14 | 178 | 987322  | 29.95     | ng | 99   |
| 71) Anthracene                 | 17.14 | 178 | 987322  | 30.78     | ng | 98   |
| 72) Carbazole                  | 17.41 | 167 | 463813  | 15.30     | ng | 97   |
| 74) Fluoranthene               | 19.07 | 202 | 2584917 | 71.62     | ng | 87   |
| 77) Pyrene                     | 19.44 | 202 | 2173007 | 60.30     | ng | 92   |
| 80) Benzo(a)anthracene         | 21.19 | 228 | 1253756 | 36.74     | ng | 97   |
| 82) Chrysene                   | 21.24 | 228 | 1071602 | 32.97     | ng | 98   |
| 85) Indeno(1,2,3-cd)pyrene     | 25.69 | 276 | 498868  | 12.69     | ng | # 89 |
| 87) Benzo(b)fluoranthene       | 22.76 | 252 | 1393382 | 37.47     | ng | 99   |
| 88) Benzo(k)fluoranthene       | 22.76 | 252 | 1393382 | 37.53     | ng | 98   |
| 89) Benzo(a)pyrene             | 23.33 | 252 | 992675  | 28.65     | ng | 96   |
| 90) Dibenzo(a,h)anthracene     | 25.70 | 278 | 115010  | 3.20      | ng | 95   |
| 91) Benzo(g,h,i)perylene       | 26.38 | 276 | 437454  | 12.63     | ng | 98   |

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

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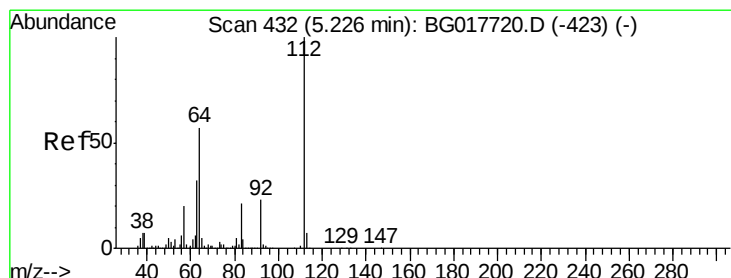
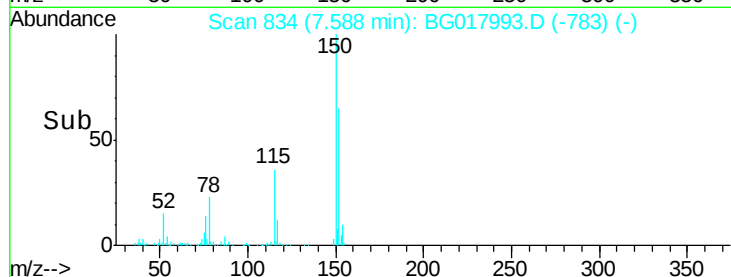
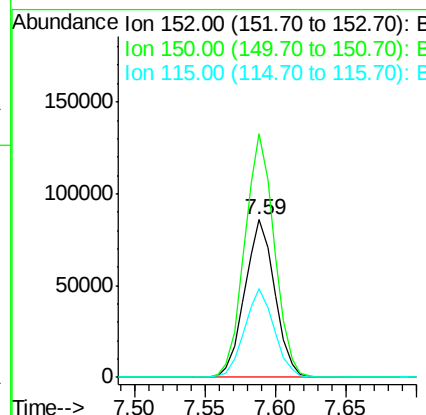
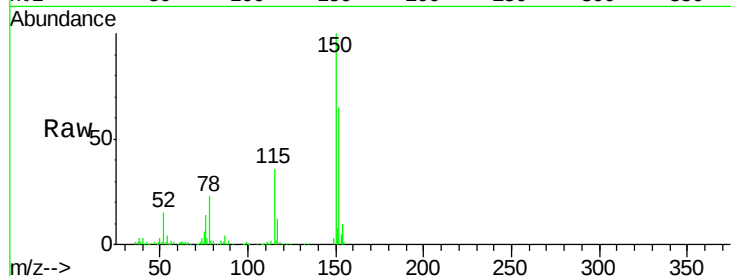


#1

1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.59 min Scan# 834  
Delta R.T. 0.00 min  
Lab File: BG017993.D  
Acq: 20 Jul 2015 17:39

Instrument :  
BNA\_G  
ClientSampleId :  
BRIDGE14-5(0-2)DL

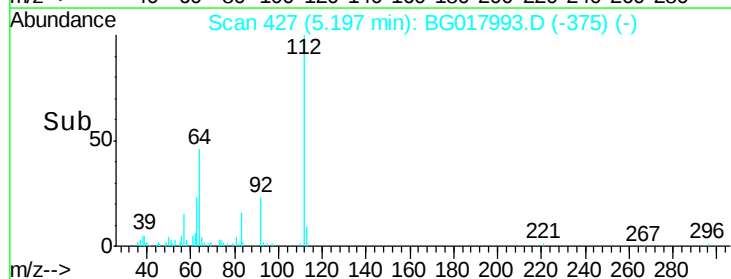
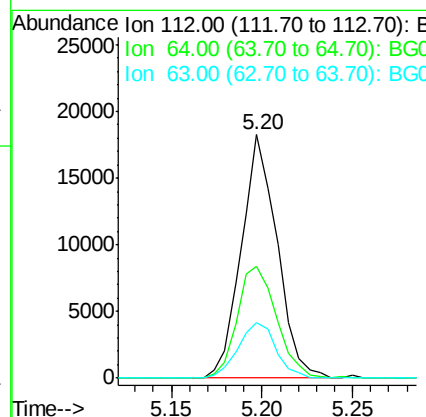
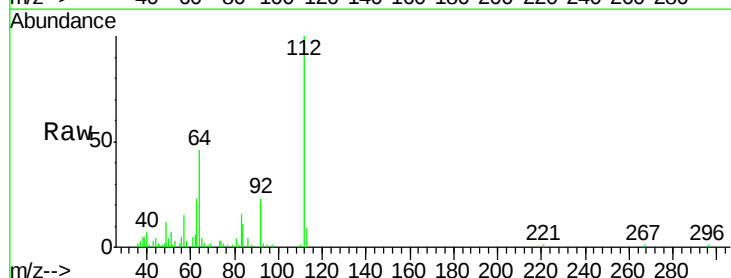
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 154.7 | 119.1 | 178.7 |
| 115     | 56.4  | 47.0  | 70.4  |

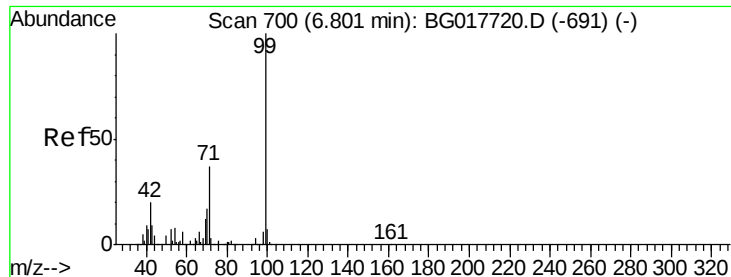


#5

2-Fluorophenol  
Concen: 3.43 ng  
RT: 5.20 min Scan# 427  
Delta R.T. 0.01 min  
Lab File: BG017993.D  
Acq: 20 Jul 2015 17:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 45.7  | 45.4  | 68.0  |
| 63      | 22.8  | 25.3  | 37.9# |





#7

Phenol-d6

Concen: 7.49 ng

RT: 6.77 min Scan# 695

Delta R.T. 0.01 min

Lab File: BG017993.D

Acq: 20 Jul 2015 17:39

Instrument :

BNA\_G

ClientSampleId :

BRIDGE14-5(0-2)DL

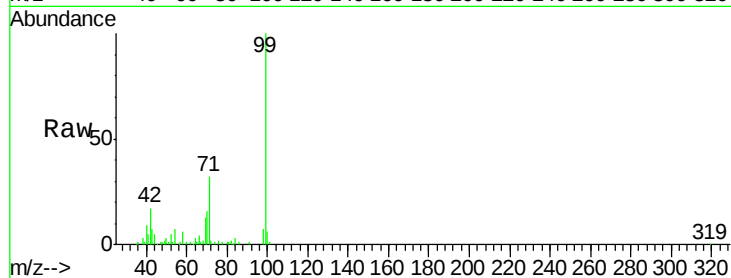
Tgt Ion: 99 Resp: 71798

Ion Ratio Lower Upper

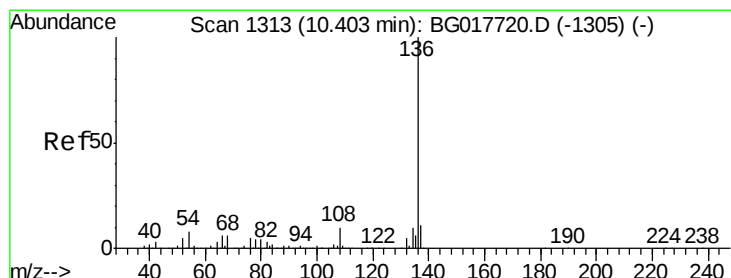
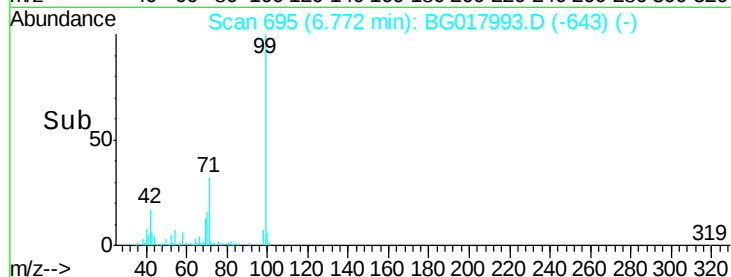
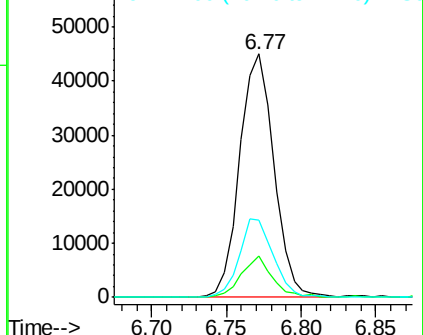
99 100

42 16.9 16.2 24.4

71 31.9 29.5 44.3



Abundance Ion 99.00 (98.70 to 99.70): BGC  
Ion 42.00 (41.70 to 42.70): BGC  
Ion 71.00 (70.70 to 71.70): BGC



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.37 min Scan# 1307

Delta R.T. 0.00 min

Lab File: BG017993.D

Acq: 20 Jul 2015 17:39

Tgt Ion: 136 Resp: 557434

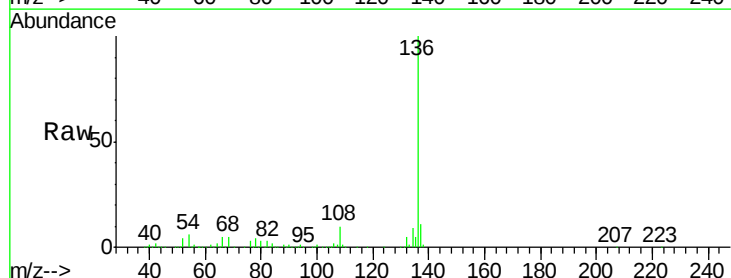
Ion Ratio Lower Upper

136 100

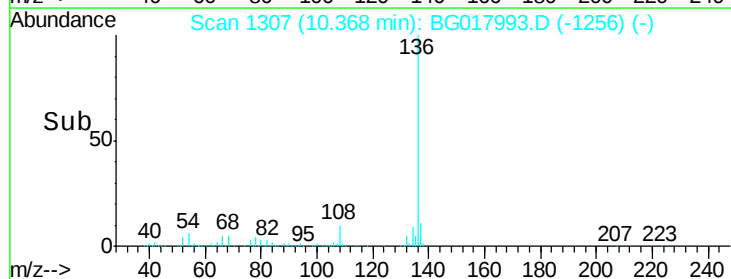
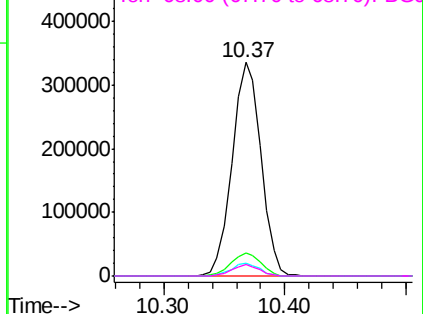
137 10.8 8.8 13.2

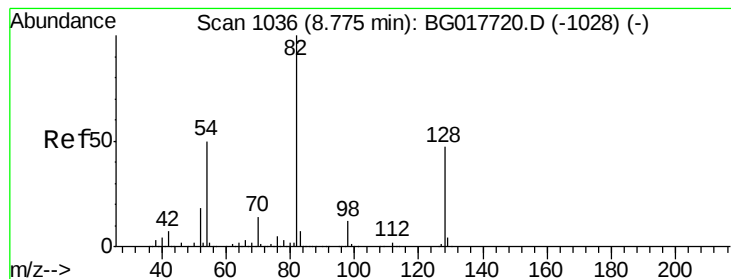
54 6.1 6.6 9.8#

68 5.2 5.1 7.7



Abundance Ion 136.00 (135.70 to 136.70): BGC  
Ion 137.00 (136.70 to 137.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC





#23

Nitrobenzene-d5

Concen: 4.91 ng

RT: 8.74 min Scan# 1030

Delta R.T. 0.00 min

Lab File: BG017993.D

Acq: 20 Jul 2015 17:39

Instrument :

BNA\_G

ClientSampleId :

BRIDGE14-5(0-2)DL

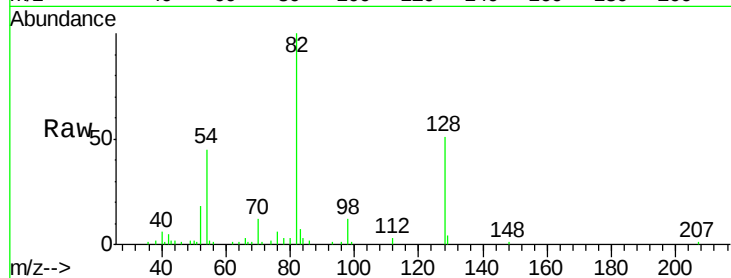
Tgt Ion: 82 Resp: 42276

Ion Ratio Lower Upper

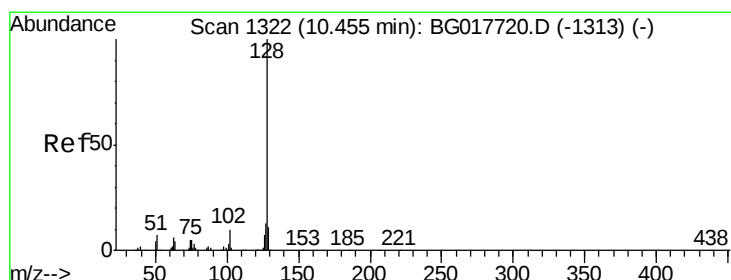
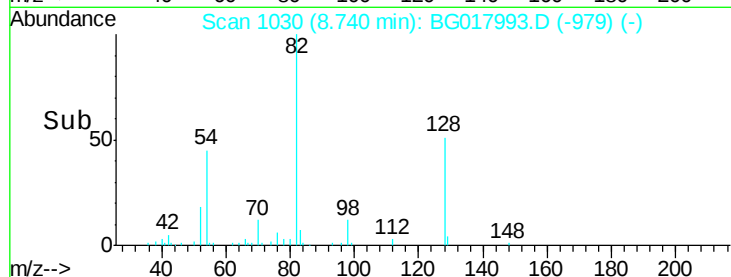
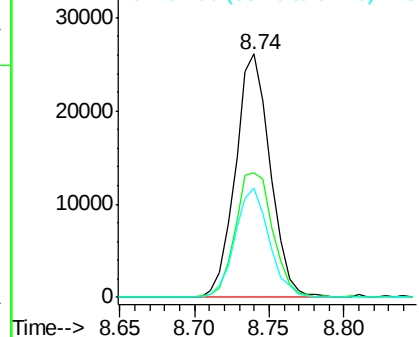
82 100

128 51.4 37.8 56.6

54 44.7 39.9 59.9



Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 128.00 (127.70 to 128.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC



#31

Naphthalene

Concen: 7.17 ng

RT: 10.42 min Scan# 1316

Delta R.T. 0.00 min

Lab File: BG017993.D

Acq: 20 Jul 2015 17:39

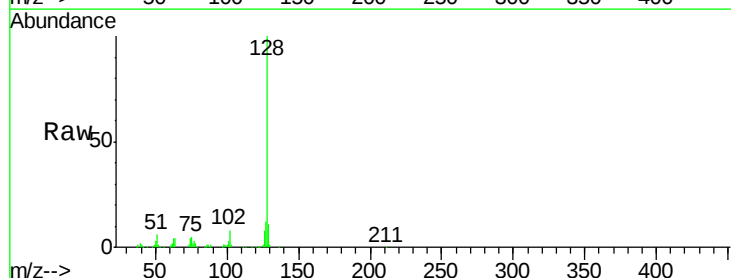
Tgt Ion: 128 Resp: 195740

Ion Ratio Lower Upper

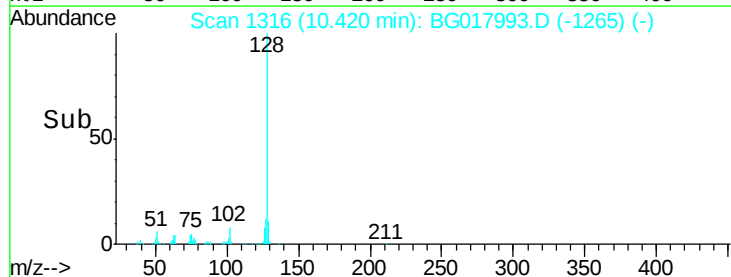
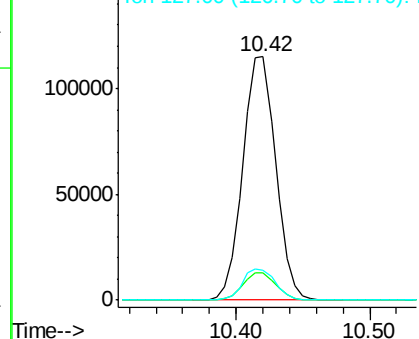
128 100

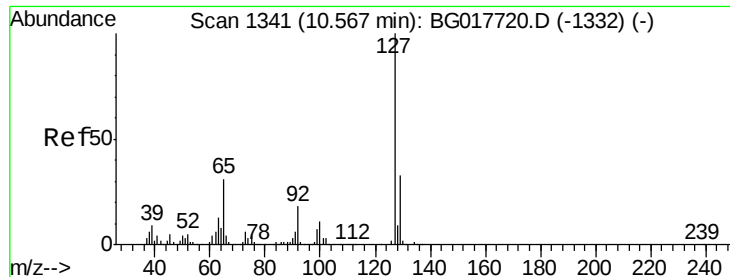
129 11.4 9.0 13.6

127 12.4 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): BGC  
Ion 129.00 (128.70 to 129.70): BGC  
Ion 127.00 (126.70 to 127.70): BGC

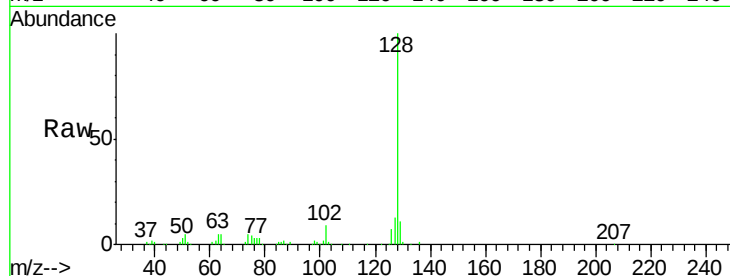




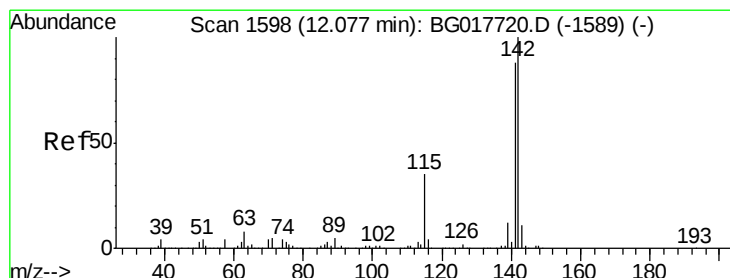
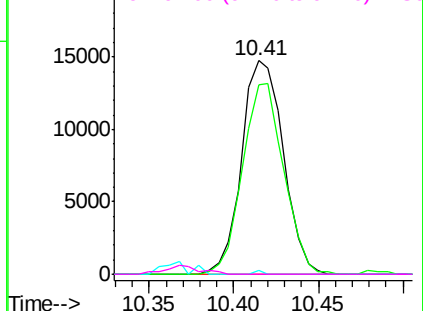
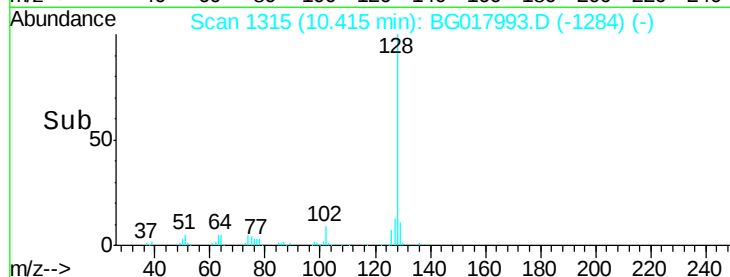
#33  
4-Chloroaniline  
Concen: 2.07 ng  
RT: 10.41 min Scan# 1315  
Delta R.T. -0.12 min  
Lab File: BG017993.D  
Acq: 20 Jul 2015 17:39

Instrument :  
BNA\_G  
ClientSampleId :  
BRIDGE14-5(0-2)DL

Tgt Ion:127 Resp: 25161  
Ion Ratio Lower Upper  
127 100  
129 88.7 26.7 40.1#  
65 1.9 24.6 37.0#  
92 0.0 14.2 21.4#

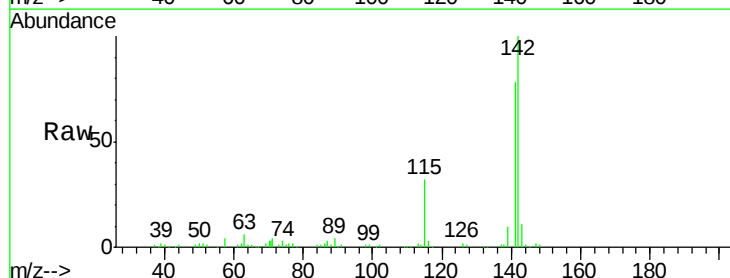


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BG  
Ion 92.00 (91.70 to 92.70): BG

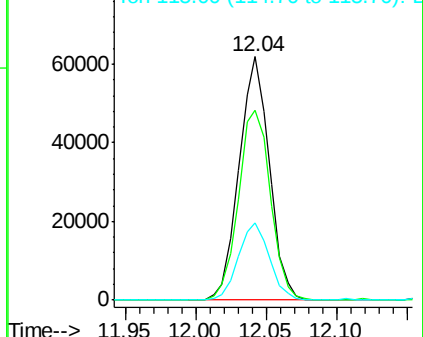
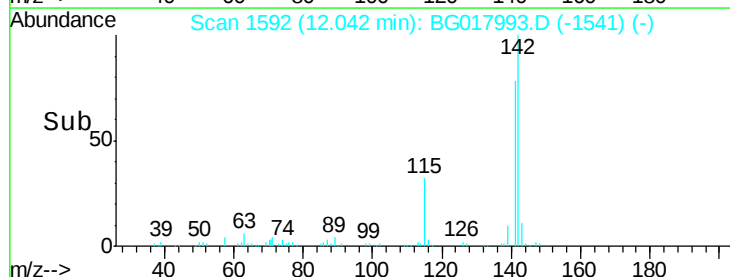


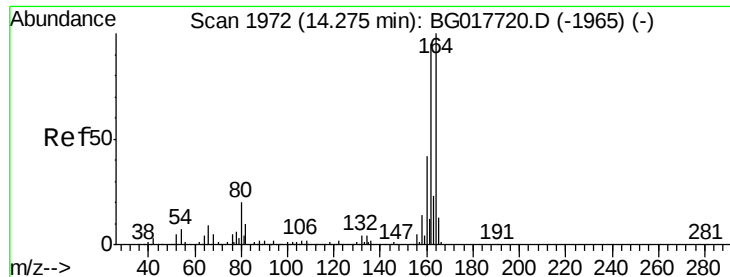
#37  
2-Methylnaphthalene  
Concen: 4.74 ng  
RT: 12.04 min Scan# 1592  
Delta R.T. 0.00 min  
Lab File: BG017993.D  
Acq: 20 Jul 2015 17:39

Tgt Ion:142 Resp: 92836  
Ion Ratio Lower Upper  
142 100  
141 78.1 70.7 106.1  
115 31.8 27.8 41.8



Abundance Ion 142.00 (141.70 to 142.70): E  
Ion 141.00 (140.70 to 141.70): E  
Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.25 min Scan# 1967

Delta R.T. 0.00 min

Lab File: BG017993.D

Acq: 20 Jul 2015 17:39

Instrument :

BNA\_G

ClientSampleId :

BRIDGE14-5(0-2)DL

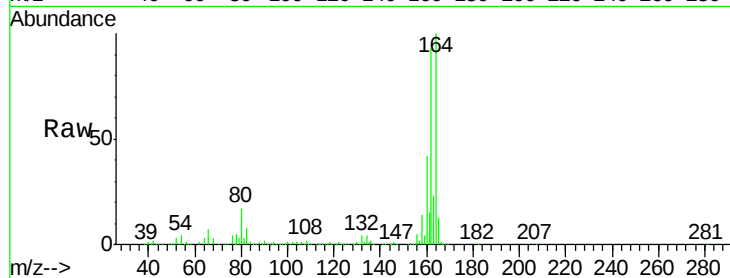
Tgt Ion:164 Resp: 329492

Ion Ratio Lower Upper

164 100

162 93.0 76.3 114.5

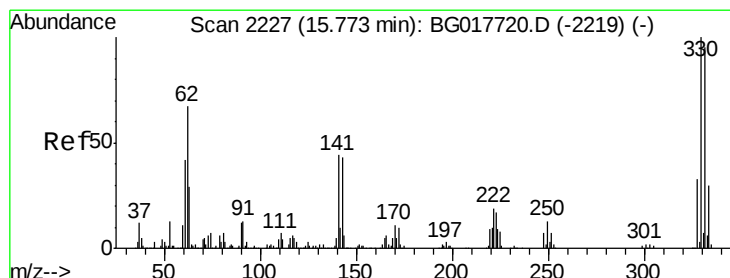
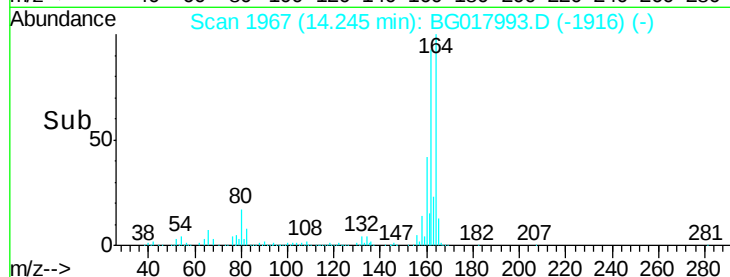
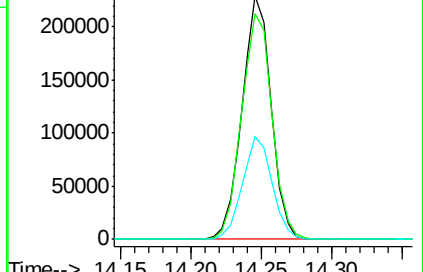
160 42.3 33.7 50.5



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 0.99 ng

RT: 15.74 min Scan# 2222

Delta R.T. 0.00 min

Lab File: BG017993.D

Acq: 20 Jul 2015 17:39

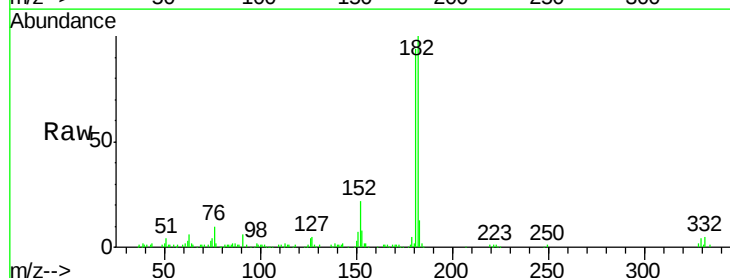
Tgt Ion:330 Resp: 3308

Ion Ratio Lower Upper

330 100

332 94.8 76.8 115.2

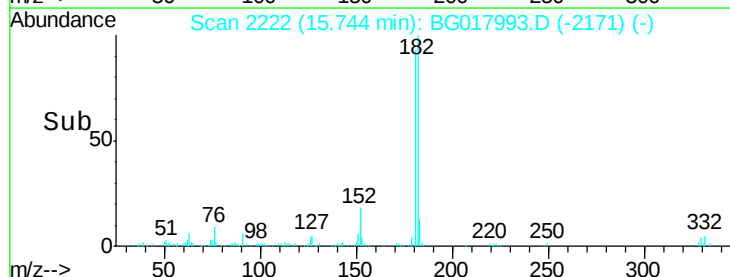
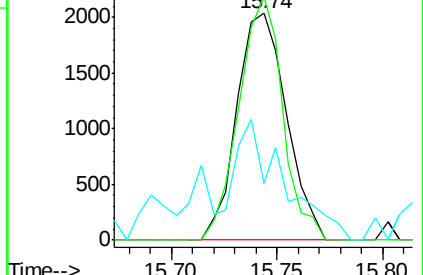
141 52.8 38.0 57.0

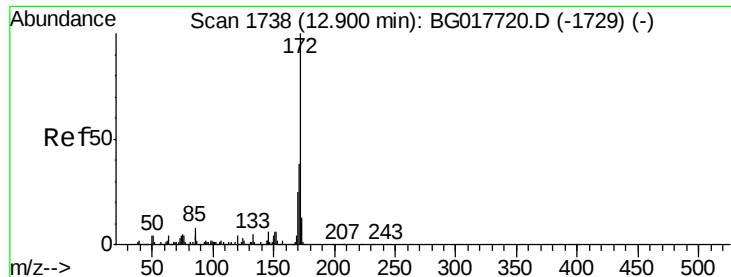


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

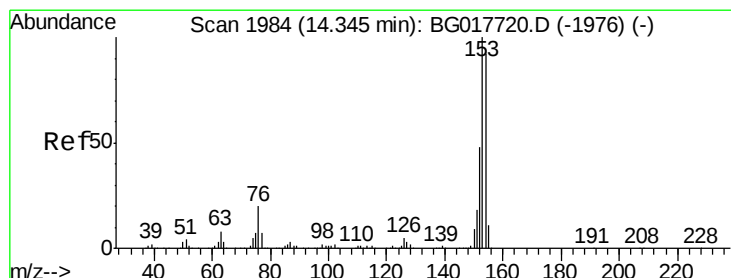
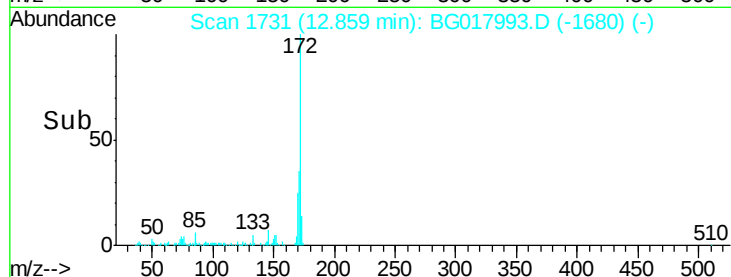
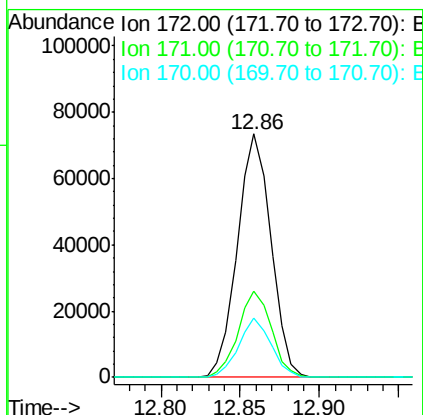
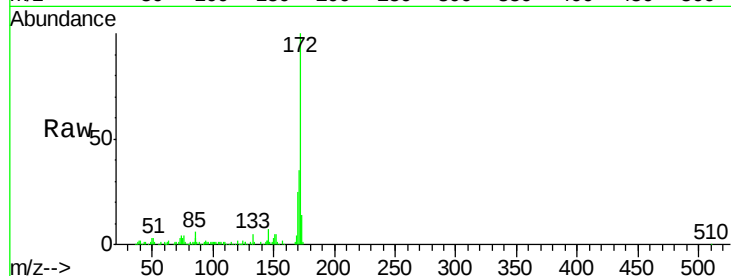




#44  
2-Fluorobiphenyl  
Concen: 5.68 ng  
RT: 12.86 min Scan# 1731  
Delta R.T. 0.00 min  
Lab File: BG017993.D  
Acq: 20 Jul 2015 17:39

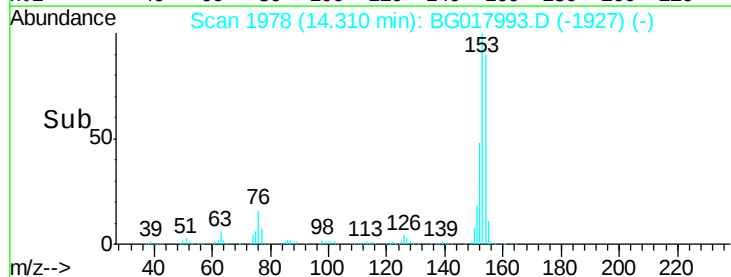
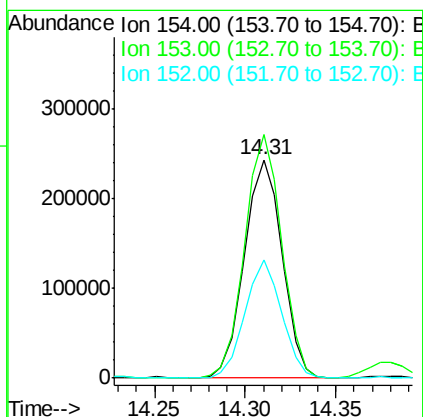
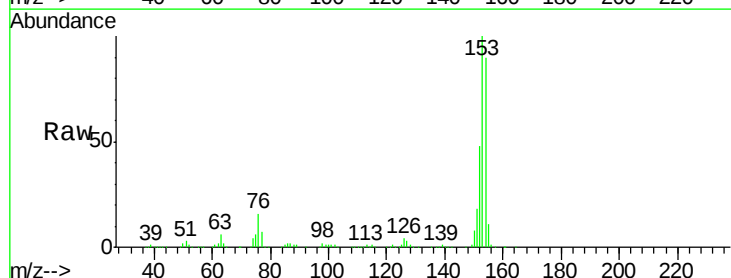
Instrument :  
BNA\_G  
ClientSampleId :  
BRIDGE14-5(0-2)DL

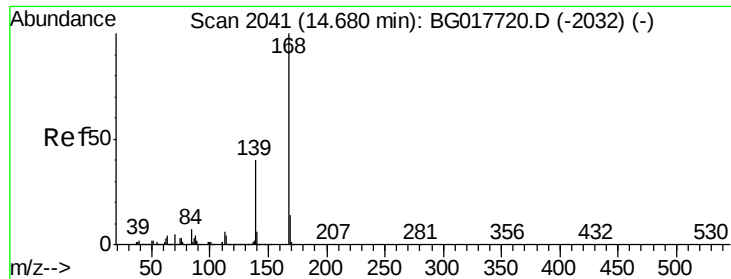
Tgt Ion:172 Resp: 107912  
Ion Ratio Lower Upper  
172 100  
171 35.4 30.7 46.1  
170 24.5 19.7 29.5



#51  
Acenaphthene  
Concen: 18.67 ng  
RT: 14.31 min Scan# 1978  
Delta R.T. 0.00 min  
Lab File: BG017993.D  
Acq: 20 Jul 2015 17:39

Tgt Ion:154 Resp: 352502  
Ion Ratio Lower Upper  
154 100  
153 111.5 87.0 130.4  
152 54.0 41.4 62.0





#54

Dibenzofuran

Concen: 14.60 ng

RT: 14.64 min Scan# 2035

Delta R.T. 0.00 min

Lab File: BG017993.D

Acq: 20 Jul 2015 17:39

Instrument :

BNA\_G

ClientSampleId :

BRIDGE14-5(0-2)DL

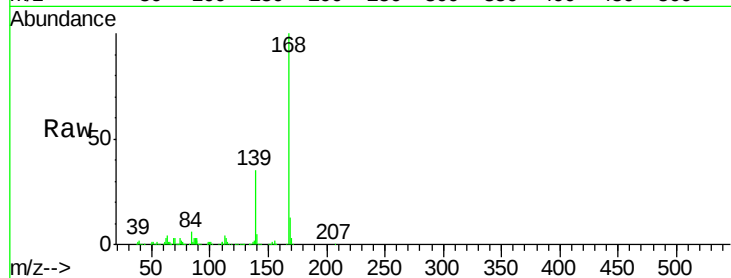
Tgt Ion:168 Resp: 397622

Ion Ratio Lower Upper

168 100

139 34.9 32.2 48.2

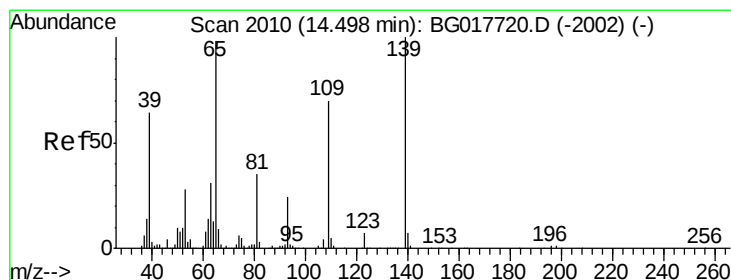
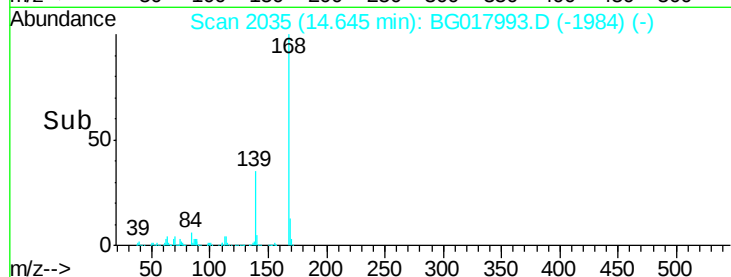
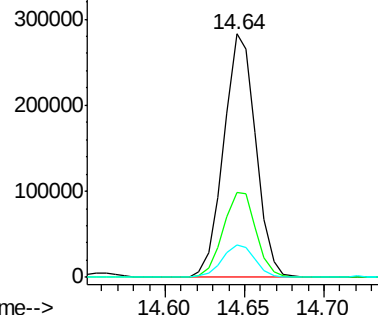
169 13.1 11.3 16.9



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#55

4-Nitrophenol

Concen: 30.89 ng

RT: 14.64 min Scan# 2035

Delta R.T. 0.18 min

Lab File: BG017993.D

Acq: 20 Jul 2015 17:39

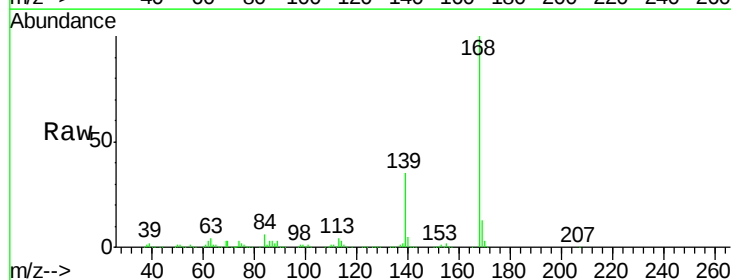
Tgt Ion:139 Resp: 142472

Ion Ratio Lower Upper

139 100

109 1.0 50.3 90.3#

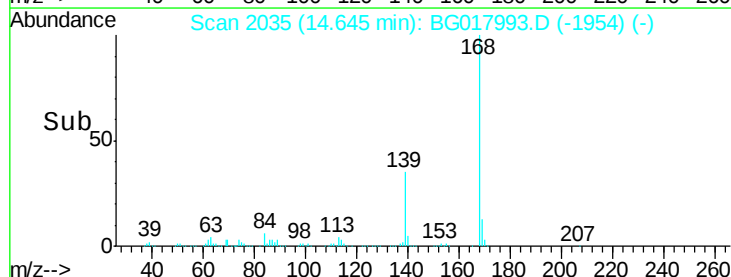
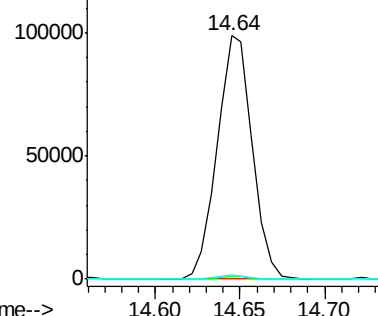
65 1.6 78.8 118.8#

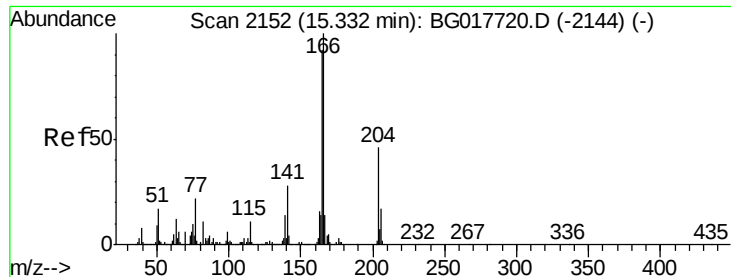


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC

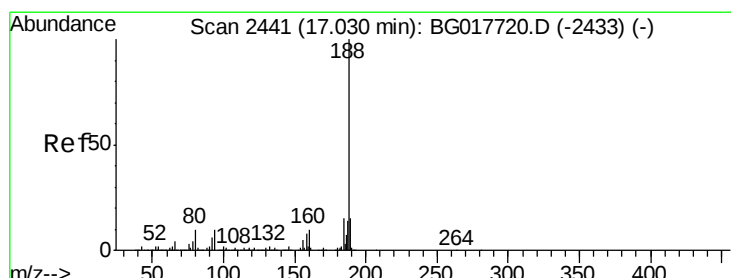
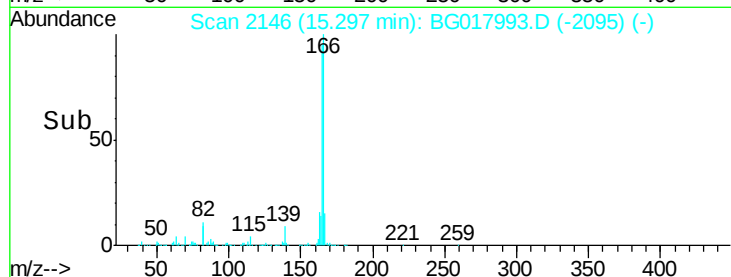
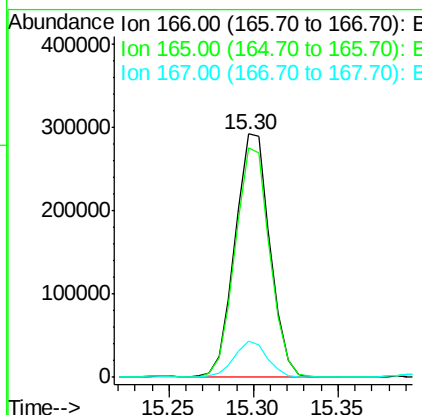
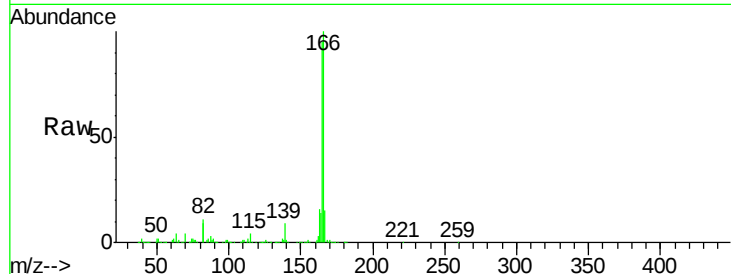




#57  
**Fluorene**  
 Concen: 17.91 ng  
 RT: 15.30 min Scan# 2146  
 Delta R.T. 0.00 min  
 Lab File: BG017993.D  
 Acq: 20 Jul 2015 17:39

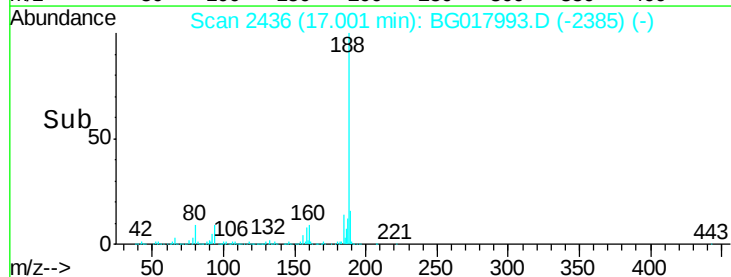
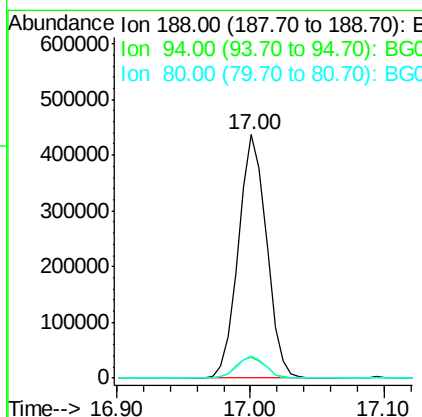
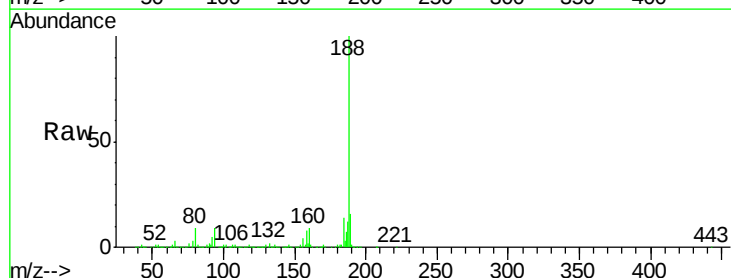
Instrument :  
 BNA\_G  
 ClientSampleId :  
 BRIDGE14-5(0-2)DL

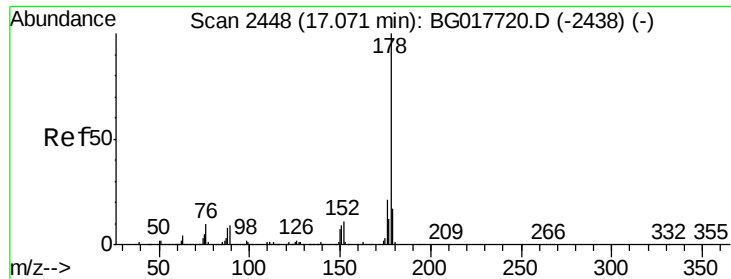
Tgt Ion:166 Resp: 419394  
 Ion Ratio Lower Upper  
 166 100  
 165 94.5 73.4 110.0  
 167 14.8 11.0 16.6



#63  
**Phenanthrene-d10**  
 Concen: 20.00 ng  
 RT: 17.00 min Scan# 2436  
 Delta R.T. 0.00 min  
 Lab File: BG017993.D  
 Acq: 20 Jul 2015 17:39

Tgt Ion:188 Resp: 639133  
 Ion Ratio Lower Upper  
 188 100  
 94 8.6 8.2 12.2  
 80 9.1 8.2 12.4





#70

Phenanthrene

Concen: 29.95 ng

RT: 17.14 min Scan# 2459

Delta R.T. 0.09 min

Lab File: BG017993.D

Acq: 20 Jul 2015 17:39

Instrument :

BNA\_G

ClientSampleId :

BRIDGE14-5(0-2)DL

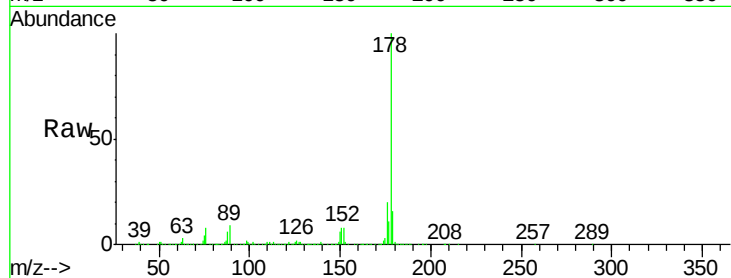
Tgt Ion:178 Resp: 987322

Ion Ratio Lower Upper

178 100

176 20.5 16.5 24.7

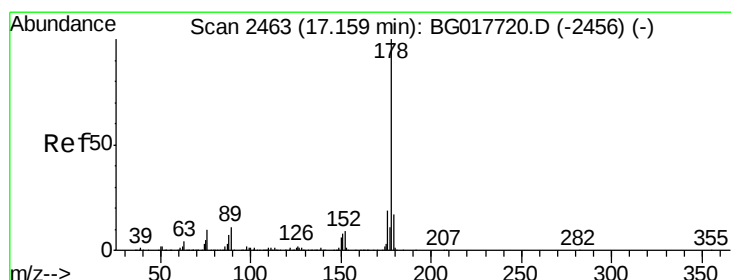
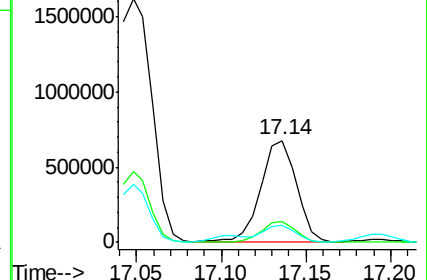
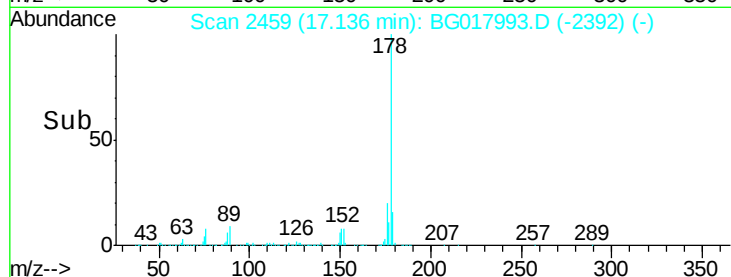
179 16.4 13.5 20.3



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 30.78 ng

RT: 17.14 min Scan# 2459

Delta R.T. 0.01 min

Lab File: BG017993.D

Acq: 20 Jul 2015 17:39

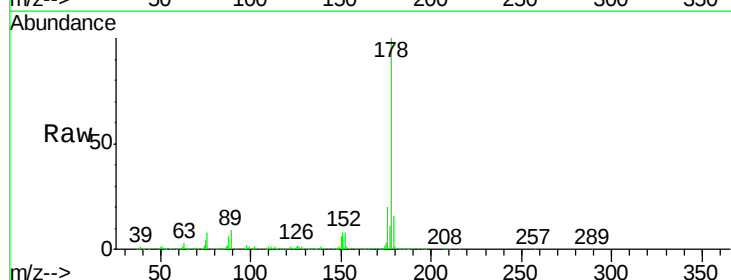
Tgt Ion:178 Resp: 987322

Ion Ratio Lower Upper

178 100

176 20.5 15.2 22.8

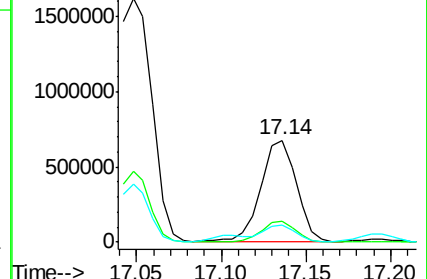
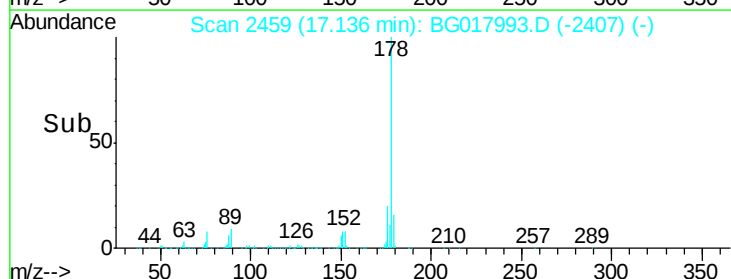
179 16.4 13.6 20.4

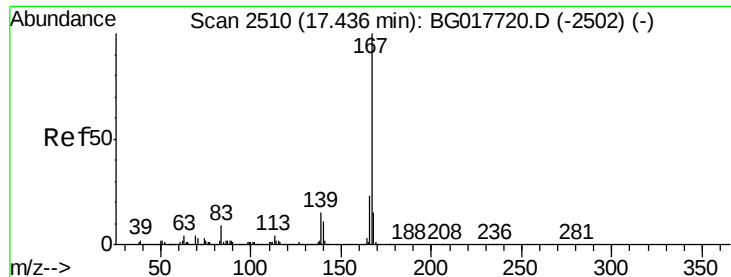


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 15.30 ng

RT: 17.41 min Scan# 2505

Delta R.T. 0.00 min

Lab File: BG017993.D

Acq: 20 Jul 2015 17:39

Instrument :

BNA\_G

ClientSampleId :

BRIDGE14-5(0-2)DL

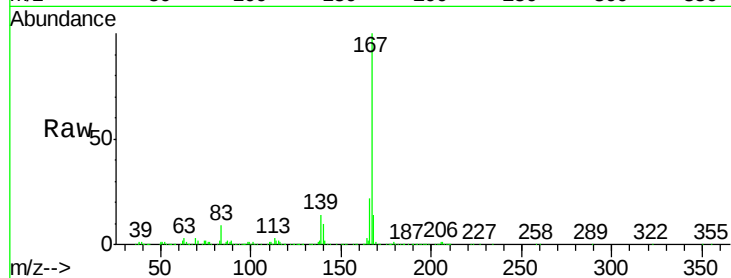
Tgt Ion:167 Resp: 463813

Ion Ratio Lower Upper

167 100

166 21.9 18.3 27.5

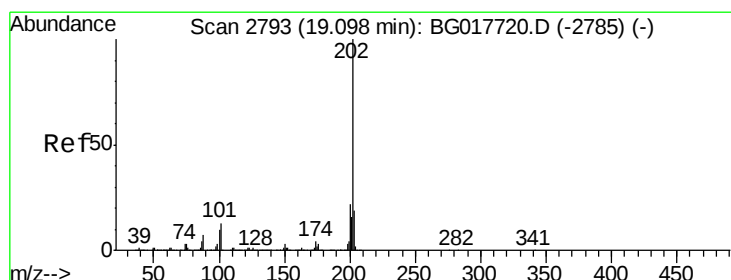
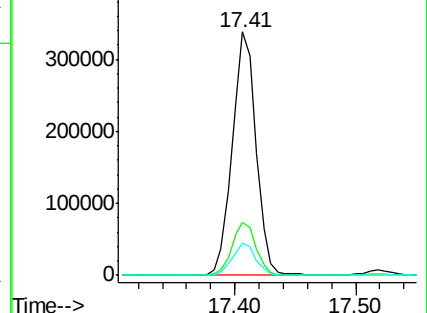
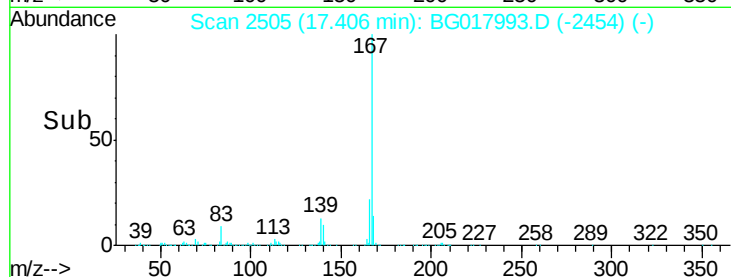
139 13.5 11.9 17.9



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 71.62 ng

RT: 19.07 min Scan# 2789

Delta R.T. 0.01 min

Lab File: BG017993.D

Acq: 20 Jul 2015 17:39

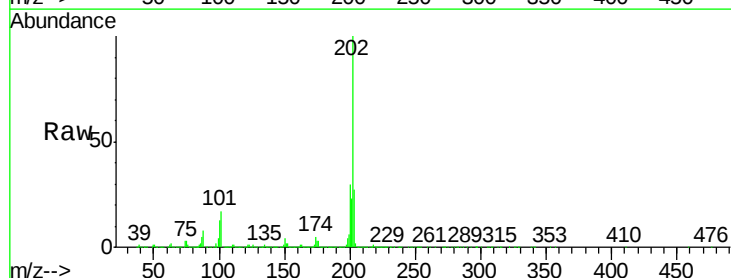
Tgt Ion:202 Resp: 2584917

Ion Ratio Lower Upper

202 100

101 16.8 0.0 33.3

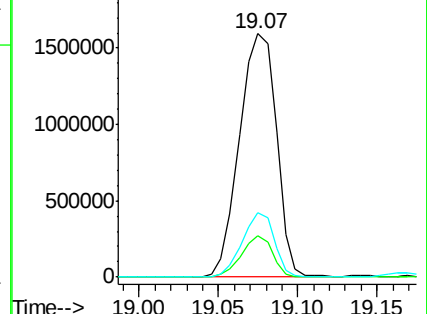
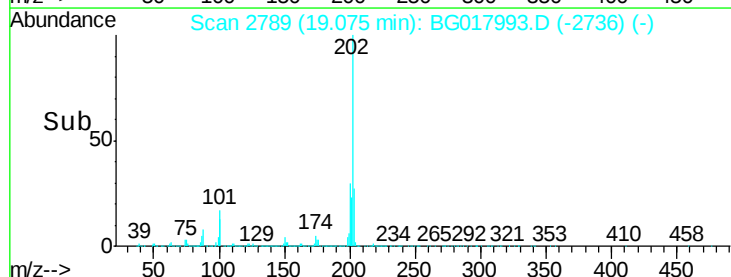
203 26.7 0.0 39.5

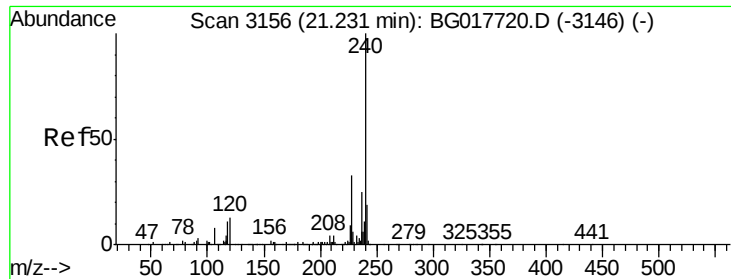


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.21 min Scan# 3152

Delta R.T. 0.01 min

Lab File: BG017993.D

Acq: 20 Jul 2015 17:39

Instrument :

BNA\_G

ClientSampleId :

BRIDGE14-5(0-2)DL

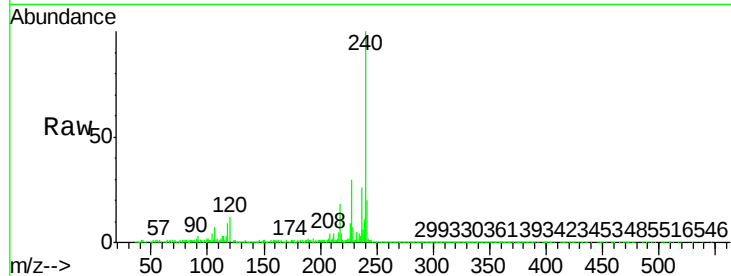
Tgt Ion:240 Resp: 646121

Ion Ratio Lower Upper

240 100

120 11.8 10.8 16.2

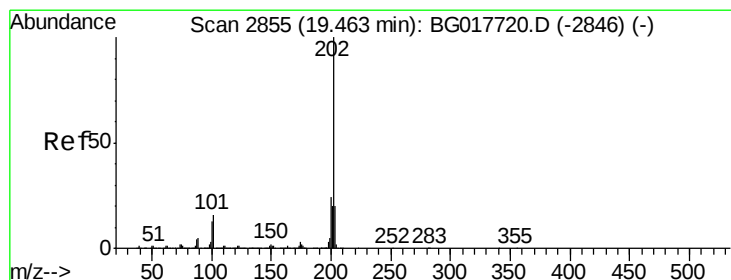
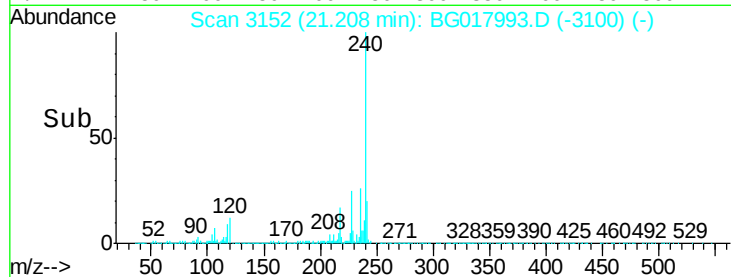
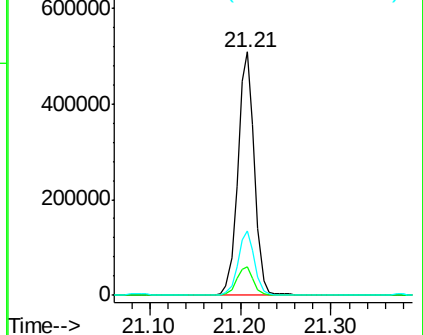
236 26.3 20.0 30.0



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 60.30 ng

RT: 19.44 min Scan# 2851

Delta R.T. 0.01 min

Lab File: BG017993.D

Acq: 20 Jul 2015 17:39

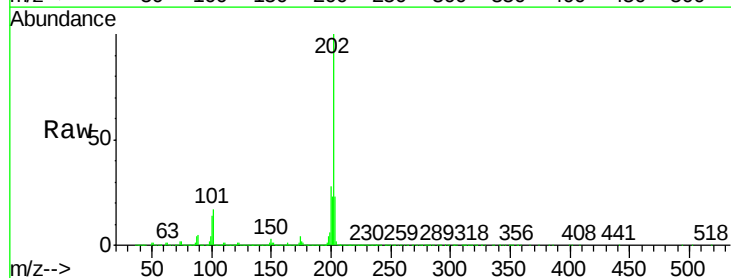
Tgt Ion:202 Resp: 2173007

Ion Ratio Lower Upper

202 100

200 27.6 18.8 28.2

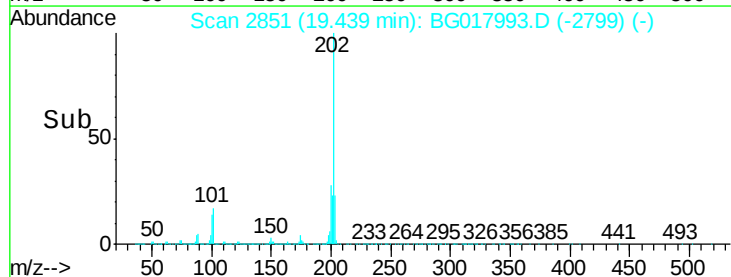
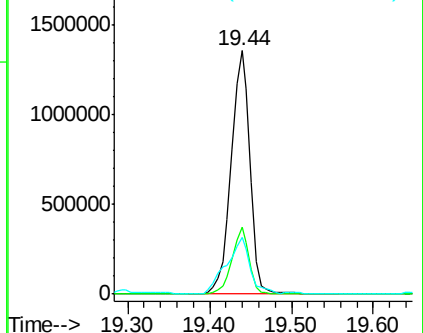
203 23.3 15.9 23.9

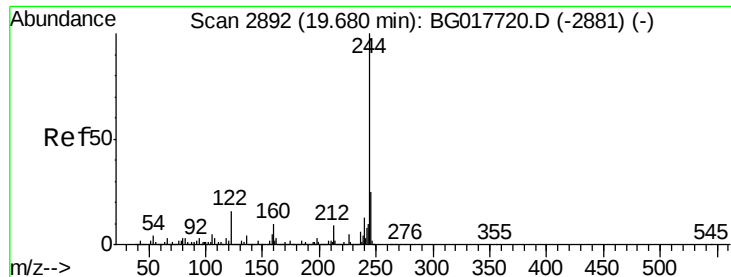


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 5.14 ng

RT: 19.64 min Scan# 2886

Delta R.T. 0.00 min

Lab File: BG017993.D

Acq: 20 Jul 2015 17:39

Instrument :

BNA\_G

ClientSampleId :

BRIDGE14-5(0-2)DL

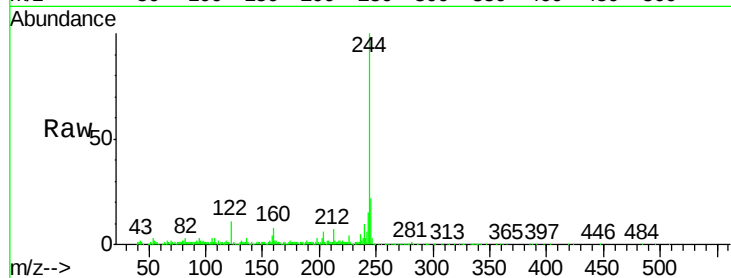
Tgt Ion:244 Resp: 131847

Ion Ratio Lower Upper

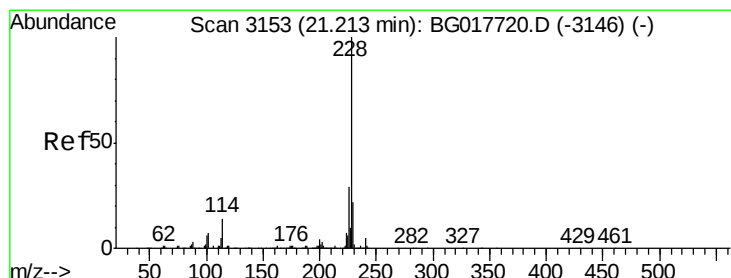
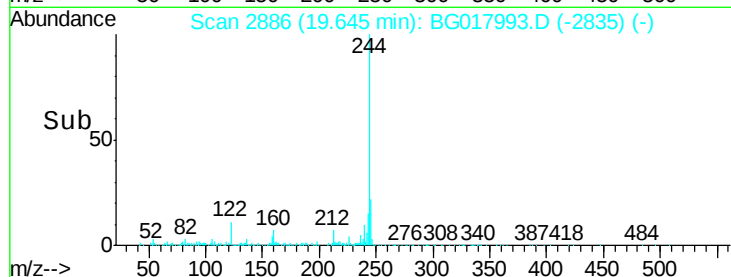
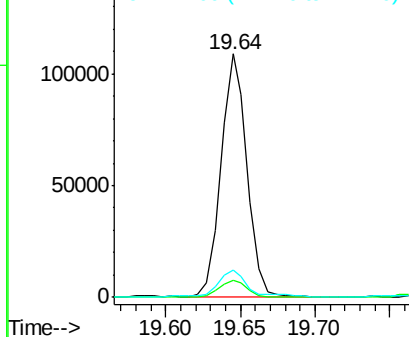
244 100

212 6.8 7.2 10.8#

122 11.1 12.8 19.2#



Abundance Ion 244.00 (243.70 to 244.70): E  
Ion 212.00 (211.70 to 212.70): E  
Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 36.74 ng

RT: 21.19 min Scan# 3149

Delta R.T. 0.01 min

Lab File: BG017993.D

Acq: 20 Jul 2015 17:39

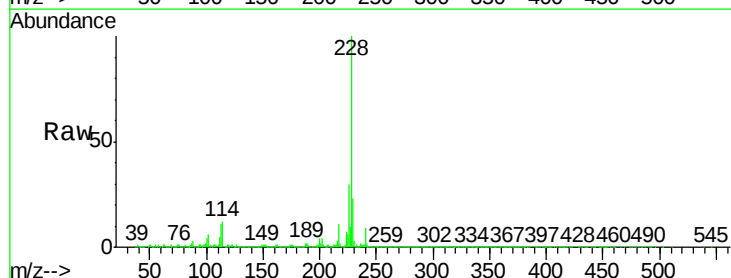
Tgt Ion:228 Resp: 1253756

Ion Ratio Lower Upper

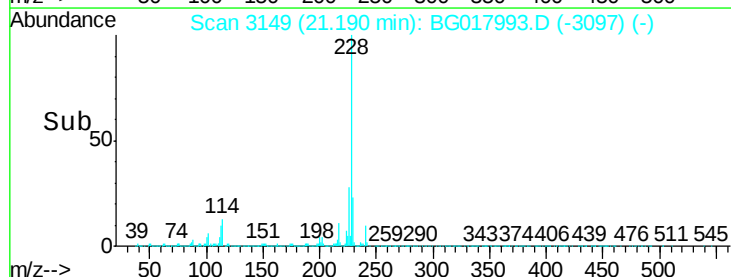
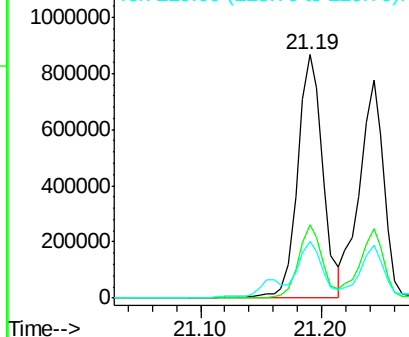
228 100

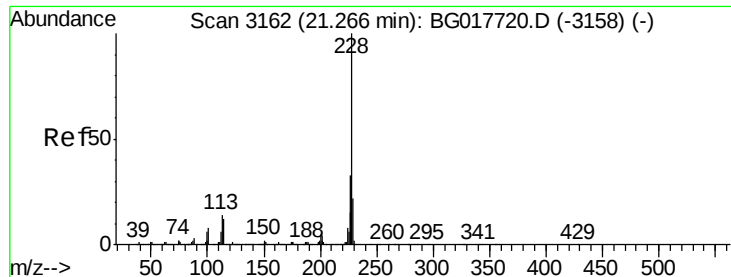
226 30.3 23.1 34.7

229 23.3 17.4 26.0



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





#82

Chrysene

Concen: 32.97 ng

RT: 21.24 min Scan# 3158

Delta R.T. 0.01 min

Lab File: BG017993.D

Acq: 20 Jul 2015 17:39

Instrument :

BNA\_G

ClientSampleId :

BRIDGE14-5(0-2)DL

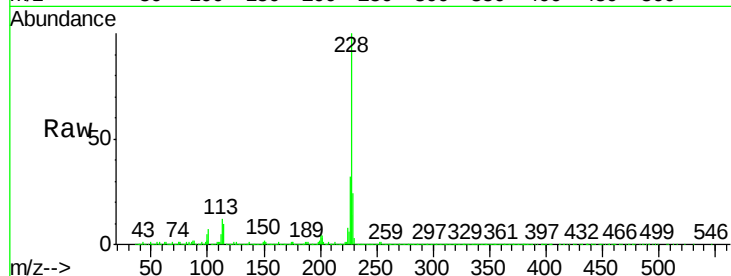
Tgt Ion:228 Resp: 1071602

Ion Ratio Lower Upper

228 100

226 31.9 26.1 39.1

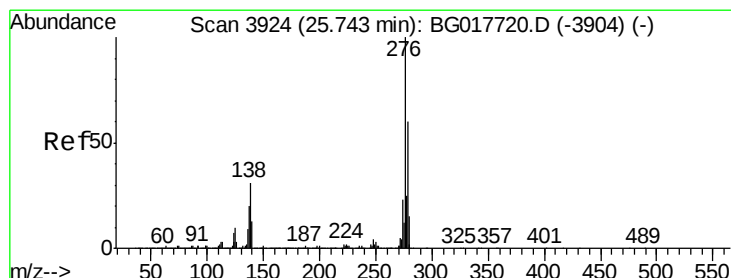
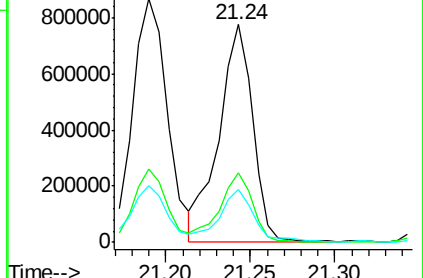
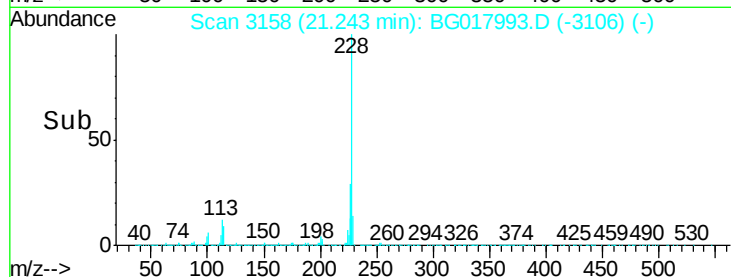
229 24.1 17.7 26.5



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

Indeno(1,2,3-cd)pyrene

Concen: 12.69 ng

RT: 25.69 min Scan# 3915

Delta R.T. 0.02 min

Lab File: BG017993.D

Acq: 20 Jul 2015 17:39

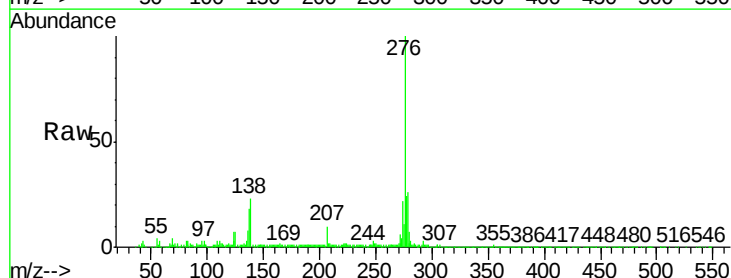
Tgt Ion:276 Resp: 498868

Ion Ratio Lower Upper

276 100

138 23.2 25.4 38.0#

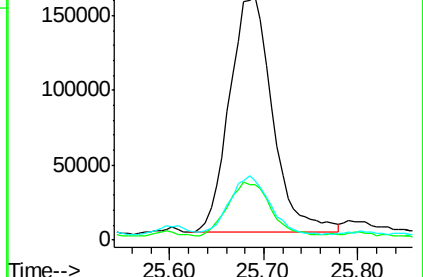
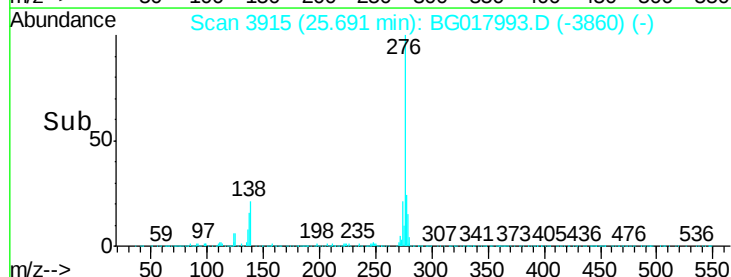
277 23.4 21.0 31.4

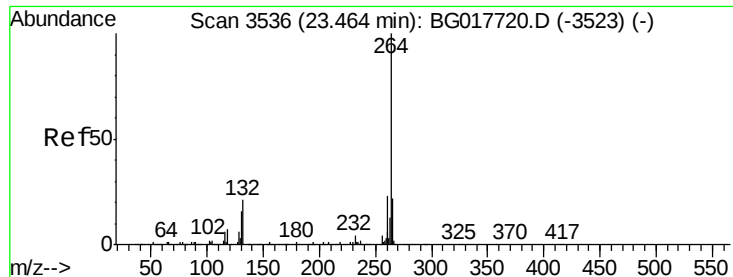


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#86

Perylene-d12

Concen: 20.00 ng

RT: 23.43 min Scan# 3530

Delta R.T. 0.01 min

Lab File: BG017993.D

Acq: 20 Jul 2015 17:39

Instrument :

BNA\_G

ClientSampleId :

BRIDGE14-5(0-2)DL

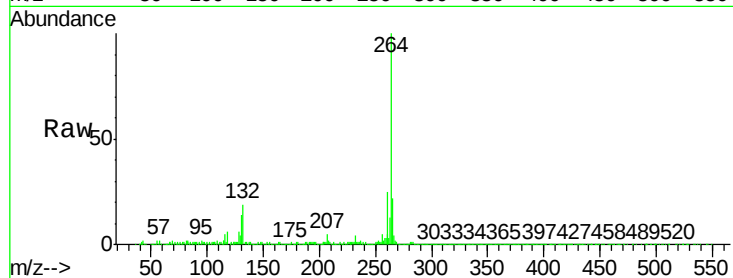
Tgt Ion:264 Resp: 679625

Ion Ratio Lower Upper

264 100

260 24.5 18.6 27.8

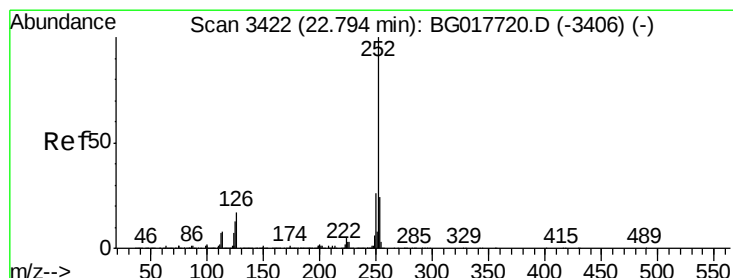
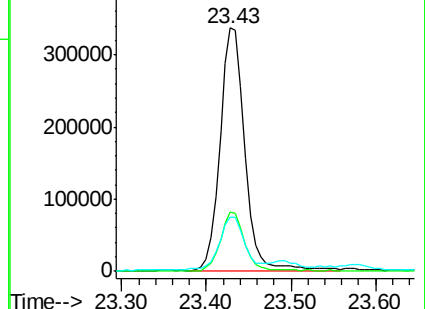
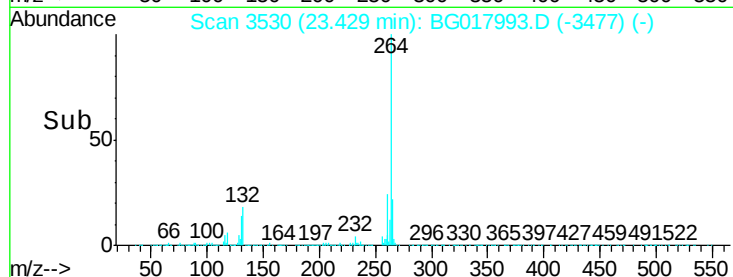
265 22.4 18.2 27.2



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 37.47 ng

RT: 22.76 min Scan# 3417

Delta R.T. 0.02 min

Lab File: BG017993.D

Acq: 20 Jul 2015 17:39

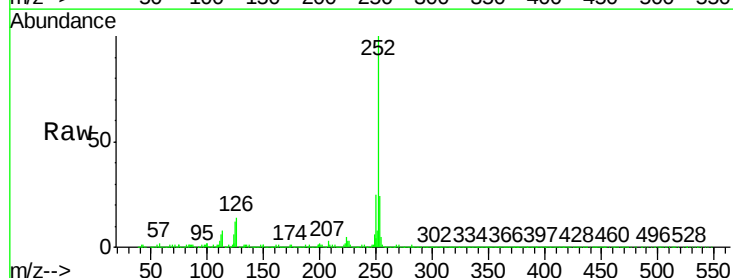
Tgt Ion:252 Resp: 1393382

Ion Ratio Lower Upper

252 100

253 24.5 19.7 29.5

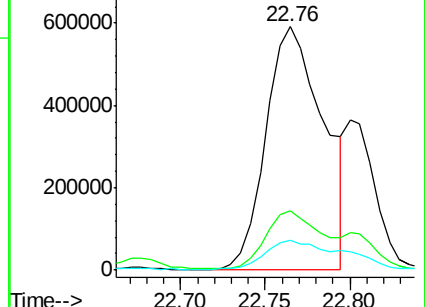
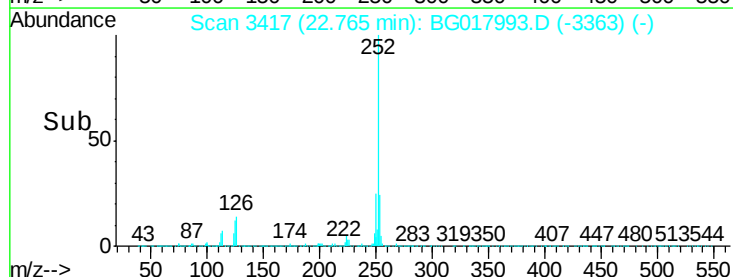
125 12.2 10.6 15.8

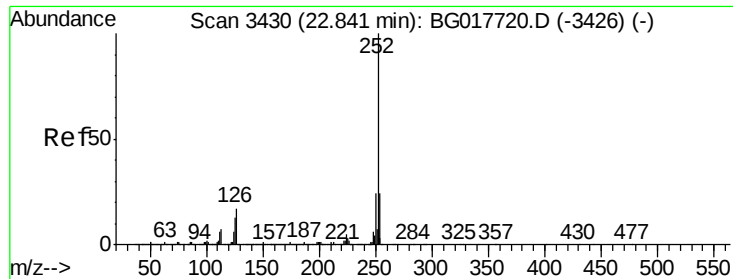


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 37.53 ng

RT: 22.76 min Scan# 3417

Delta R.T. -0.03 min

Lab File: BG017993.D

Acq: 20 Jul 2015 17:39

Instrument :

BNA\_G

ClientSampleId :

BRIDGE14-5(0-2)DL

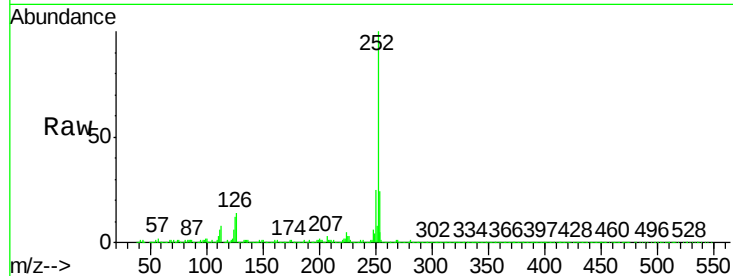
Tgt Ion:252 Resp: 1393382

Ion Ratio Lower Upper

252 100

253 24.5 19.0 28.6

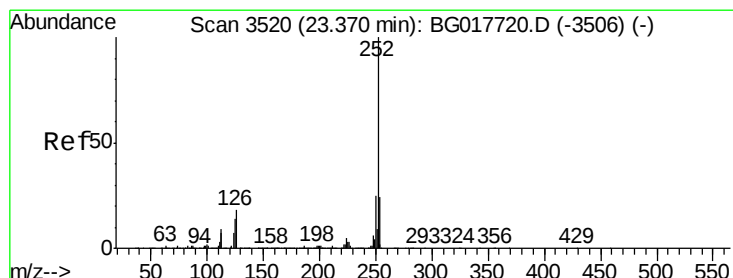
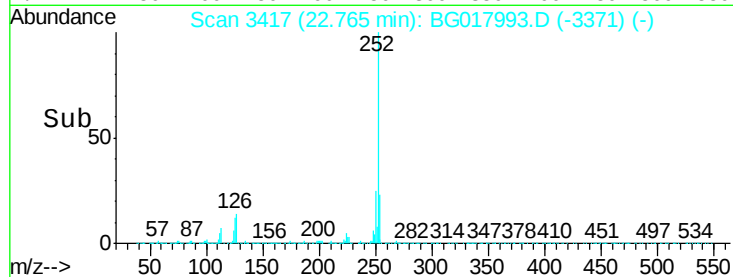
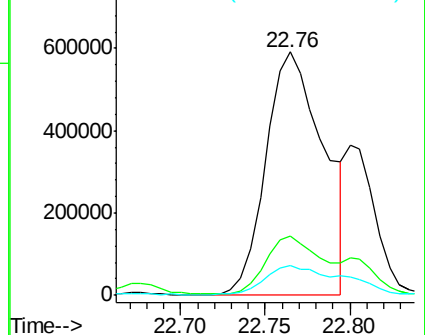
125 12.2 10.3 15.5



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



#89

Benzo(a)pyrene

Concen: 28.65 ng

RT: 23.33 min Scan# 3514

Delta R.T. 0.02 min

Lab File: BG017993.D

Acq: 20 Jul 2015 17:39

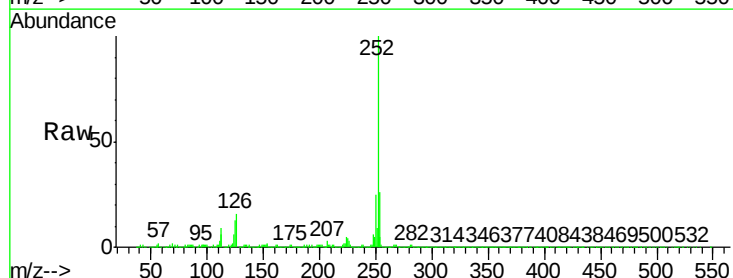
Tgt Ion:252 Resp: 992675

Ion Ratio Lower Upper

252 100

253 25.6 19.0 28.6

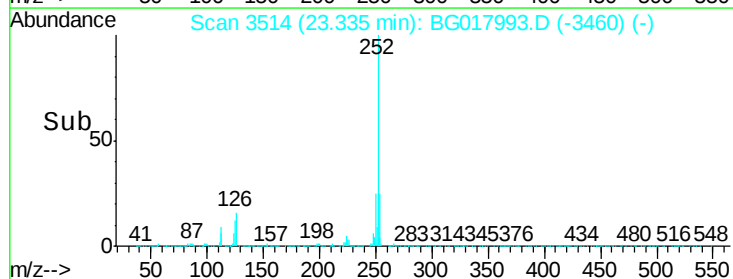
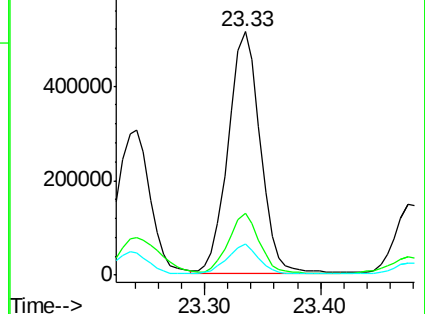
125 12.5 11.1 16.7

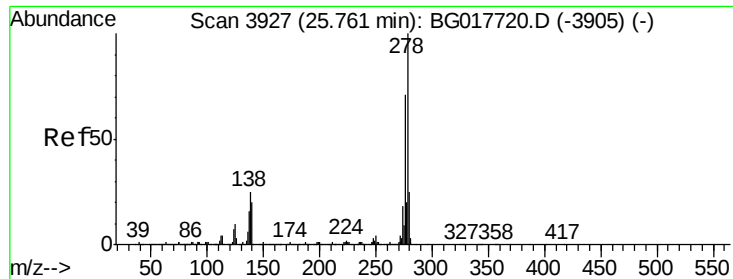


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

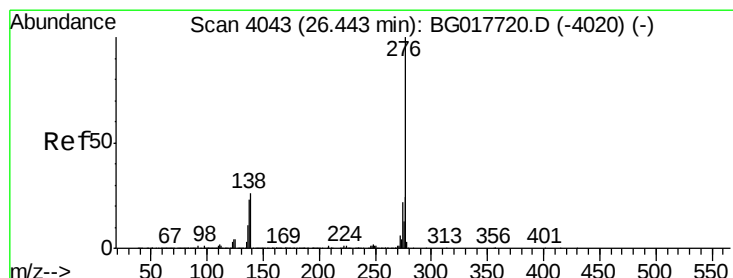
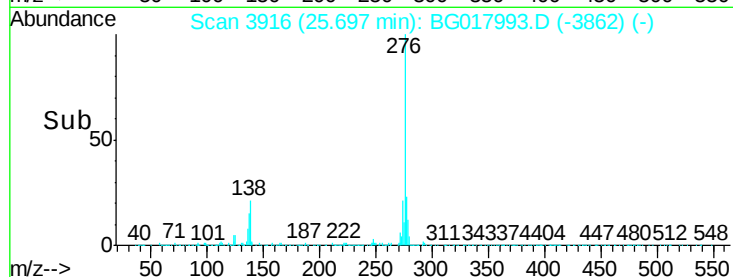
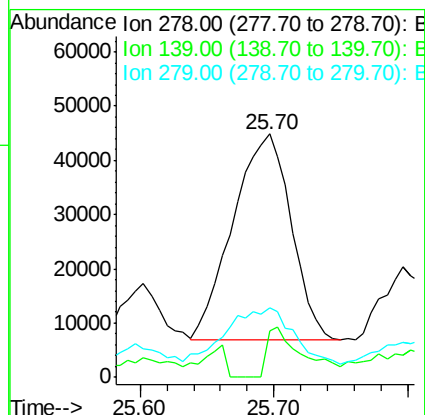
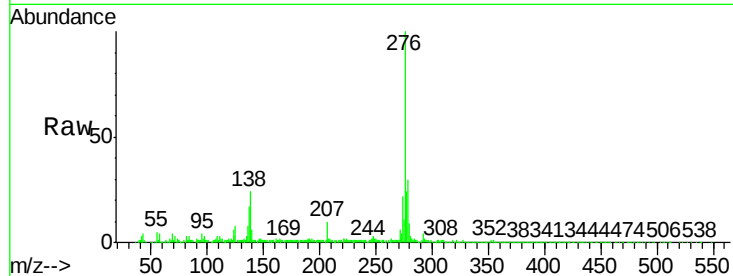




#90  
Dibenzo(a,h)anthracene  
Concen: 3.20 ng  
RT: 25.70 min Scan# 3916  
Delta R.T. 0.02 min  
Lab File: BG017993.D  
Acq: 20 Jul 2015 17:39

Instrument :  
BNA\_G  
ClientSampleId :  
BRIDGE14-5(0-2)DL

Tgt Ion:278 Resp: 115010  
Ion Ratio Lower Upper  
278 100  
139 19.1 16.2 24.2  
279 28.8 19.9 29.9



#91  
Benzo(g,h,i)perylene  
Concen: 12.63 ng  
RT: 26.38 min Scan# 4032  
Delta R.T. 0.02 min  
Lab File: BG017993.D  
Acq: 20 Jul 2015 17:39

Tgt Ion:276 Resp: 437454  
Ion Ratio Lower Upper  
276 100  
277 24.0 18.9 28.3  
138 24.0 20.8 31.2

