

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031418\  
 Data File : BG033175.D  
 Acq On : 15 Mar 2018 10:46  
 Operator : SJ/JU  
 Sample : J1908-05DL 2X  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Mar 15 11:31:34 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 14 13:59:34 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.89  | 152  | 39931    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 11.78 | 136  | 189344   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 15.51 | 164  | 118281   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 18.25 | 188  | 254054   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 22.60 | 240  | 237220   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 26.41 | 264  | 264318   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |        |       |    |      |
|--------------------------|-------|-----|--------|-------|----|------|
| 5) 2-Fluorophenol        | 6.32  | 112 | 123974 | 49.67 | ng | 0.00 |
| 7) Phenol-d6             | 8.00  | 99  | 174990 | 50.30 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 10.10 | 82  | 107195 | 44.62 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.99 | 330 | 69453  | 55.84 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 14.14 | 172 | 248935 | 30.35 | ng | 0.00 |
| 78) Terphenyl-d14        | 20.76 | 244 | 338443 | 32.05 | ng | 0.00 |

## Target Compounds

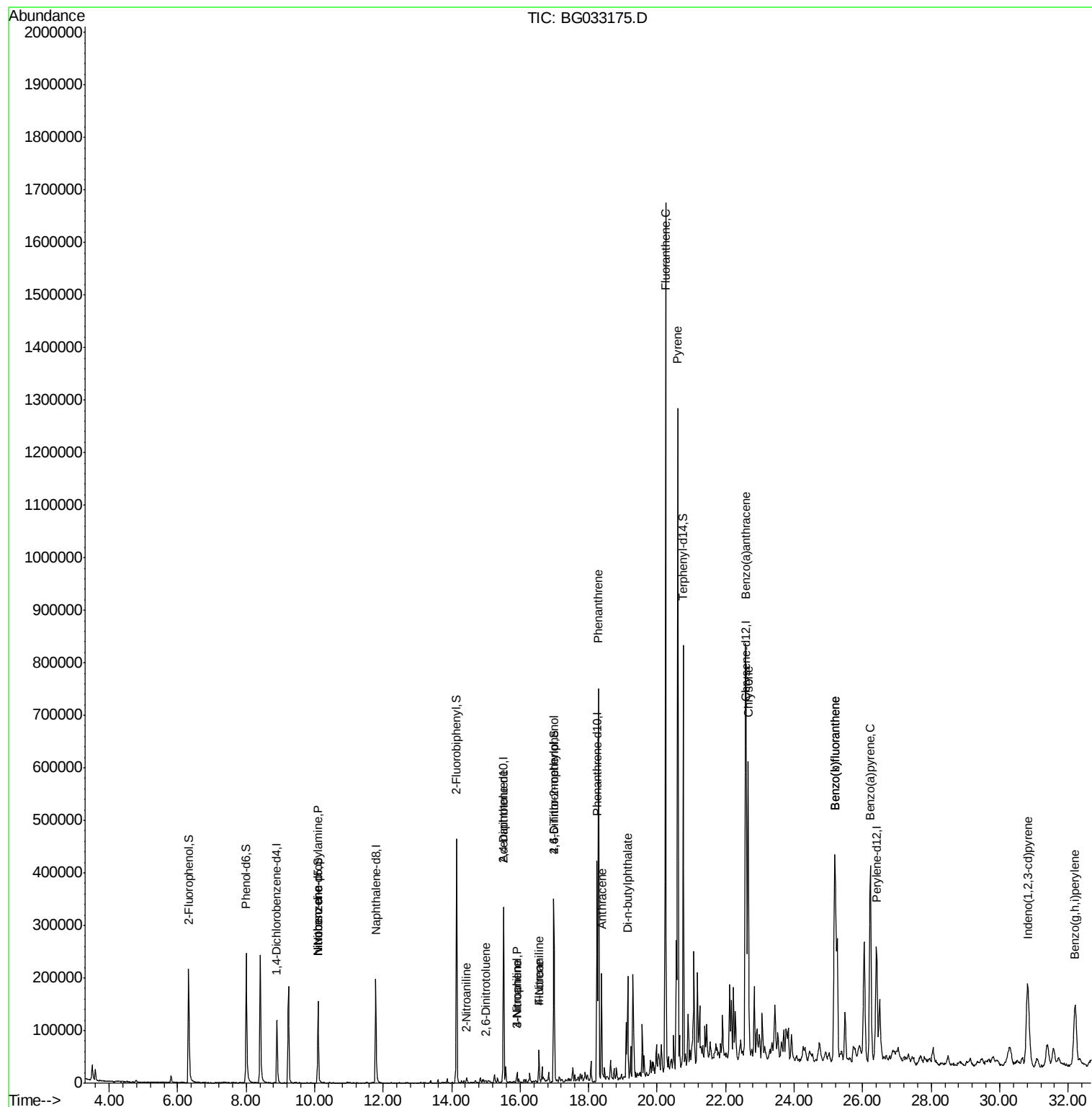
|                                |       |     |         |        |    | Qvalue |
|--------------------------------|-------|-----|---------|--------|----|--------|
| 19) n-Nitroso-di-n-propylamine | 10.10 | 70  | 14147   | 5.760  | ng | # 89   |
| 24) Nitrobenzene               | 10.10 | 77  | 209     | 6.440  | ng | # 42   |
| 47) 2-Nitroaniline             | 14.43 | 65  | 411     | 10.004 | ng | # 9    |
| 50) 2,6-Dinitrotoluene         | 15.00 | 165 | 797     | 9.289  | ng | # 18   |
| 52) 3-Nitroaniline             | 15.90 | 138 | 109     | 7.588  | ng | # 1    |
| 55) 4-Nitrophenol              | 15.91 | 139 | 5293    | 10.014 | ng | # 1    |
| 56) 2,4-Dinitrotoluene         | 15.51 | 165 | 15823   | 14.852 | ng | # 19   |
| 57) Fluorene                   | 16.55 | 166 | 29011   | 3.136  | ng | 97     |
| 61) 4-Nitroaniline             | 16.55 | 138 | 349     | 5.443  | ng | # 12   |
| 64) 4,6-Dinitro-2-methylphenol | 16.98 | 198 | 128     | 5.162  | ng | # 1    |
| 70) Phenanthrene               | 18.29 | 178 | 491599  | 34.684 | ng | 99     |
| 71) Anthracene                 | 18.38 | 178 | 140369  | 9.865  | ng | 99     |
| 73) Di-n-butylphthalate        | 19.13 | 149 | 71634   | 4.163  | ng | 99     |
| 74) Fluoranthene               | 20.24 | 202 | 1018849 | 65.074 | ng | 96     |
| 77) Pyrene                     | 20.60 | 202 | 856296  | 51.187 | ng | 98     |
| 80) Benzo(a)anthracene         | 22.58 | 228 | 517193  | 34.000 | ng | 99     |
| 82) Chrysene                   | 22.66 | 228 | 425787  | 29.302 | ng | 97     |
| 85) Indeno(1,2,3-cd)pyrene     | 30.81 | 276 | 309914  | 18.288 | ng | 98     |
| 87) Benzo(b)fluoranthene       | 25.18 | 252 | 609291  | 38.986 | ng | 99     |
| 88) Benzo(k)fluoranthene       | 25.18 | 252 | 609291  | 39.228 | ng | 97     |
| 89) Benzo(a)pyrene             | 26.22 | 252 | 457921  | 30.806 | ng | 99     |
| 91) Benzo(g,h,i)perylene       | 32.20 | 276 | 280162  | 18.995 | ng | 99     |

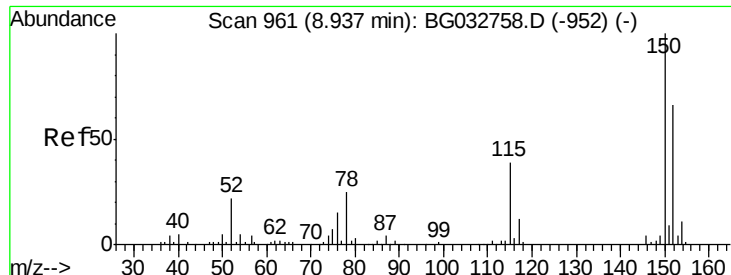
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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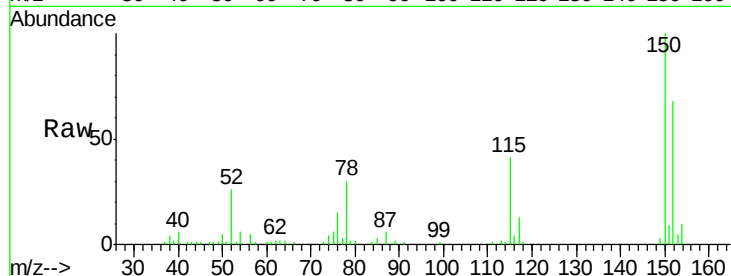




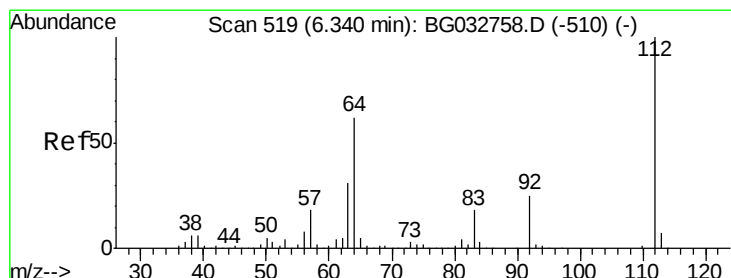
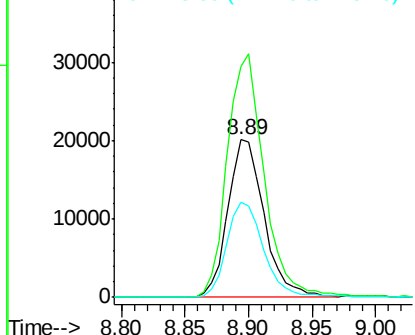
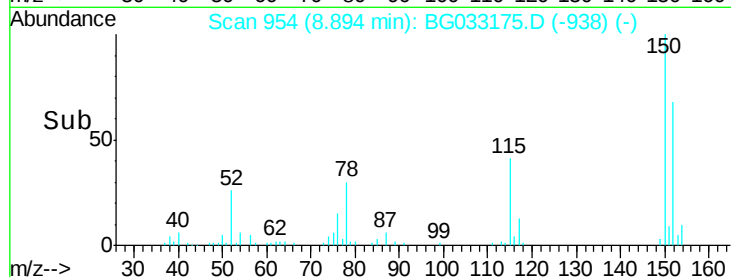
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 8.89 min Scan# 954  
 Delta R.T. -0.00 min  
 Lab File: BG033175.D  
 Acq: 15 Mar 2018 10:46

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:152 Resp: 39931  
 Ion Ratio Lower Upper  
 152 100  
 150 146.8 126.6 189.8  
 115 60.1 53.0 79.4

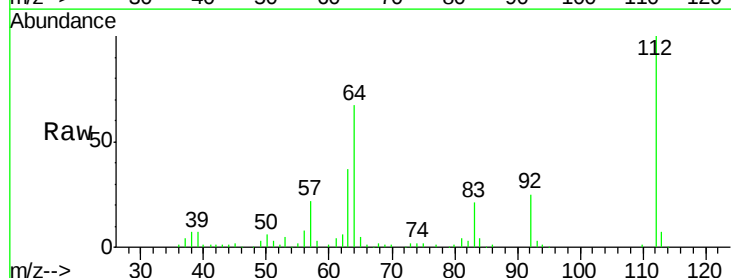


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

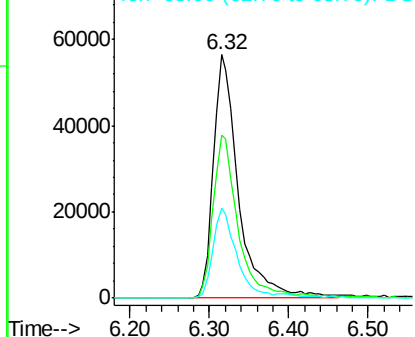
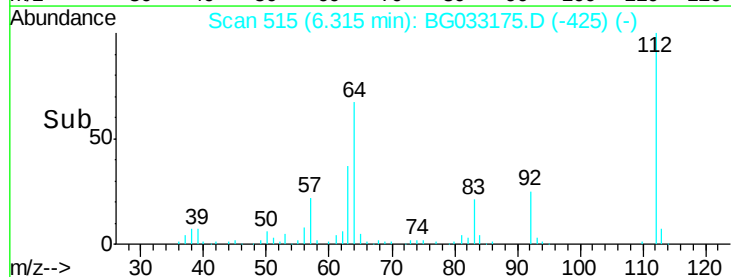


#5  
 2-Fluorophenol  
 Concen: 49.671 ng  
 RT: 6.32 min Scan# 515  
 Delta R.T. -0.00 min  
 Lab File: BG033175.D  
 Acq: 15 Mar 2018 10:46

Tgt Ion:112 Resp: 123974  
 Ion Ratio Lower Upper  
 112 100  
 64 67.2 56.3 84.5  
 63 37.0 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E  
 Ion 64.00 (63.70 to 64.70): BGC  
 Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 50.300 ng

RT: 8.00 min Scan# 802

Delta R.T. -0.01 min

Lab File: BG033175.D

Acq: 15 Mar 2018 10:46

Instrument :

BNA\_G

ClientSampled :

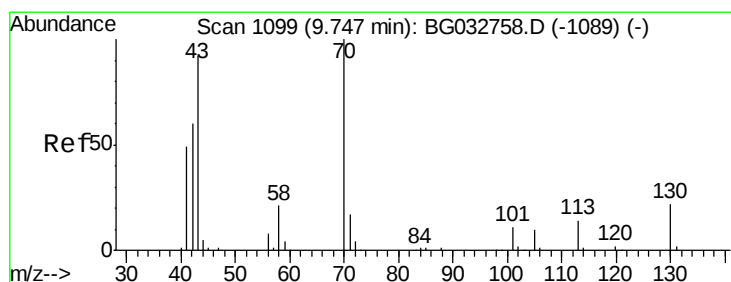
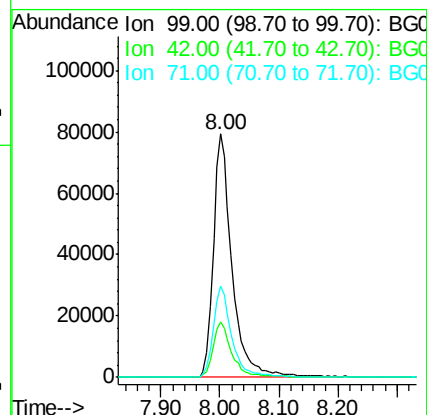
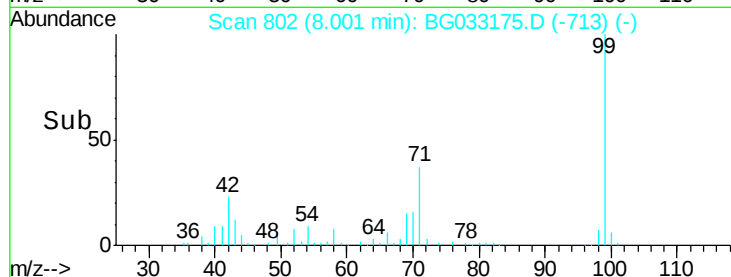
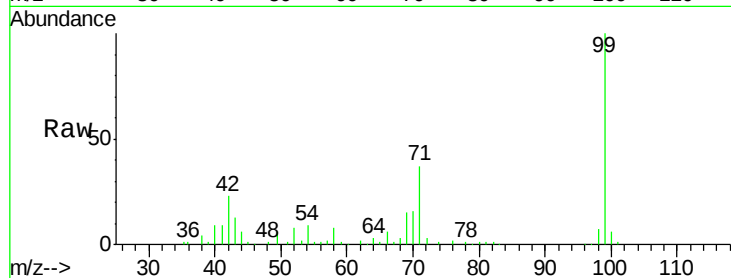
Tot Ion: 99 Resp: 174990

Ion Ratio Lower Upper

99 100

42 22.9 14.1 21.1#

71 37.3 26.1 39.1



#19

n-Nitroso-di-n-propylamine

Concen: 5.760 ng

RT: 10.10 min Scan# 1159

Delta R.T. 0.38 min

Lab File: BG033175.D

Acq: 15 Mar 2018 10:46

Tgt Ion: 70 Resp: 14147

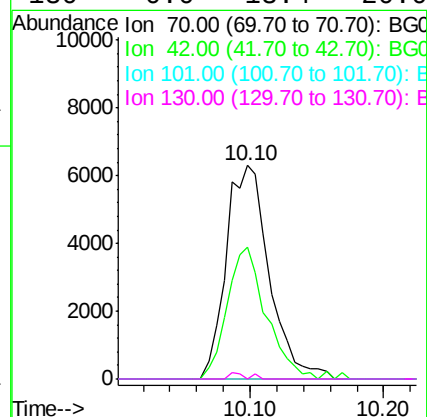
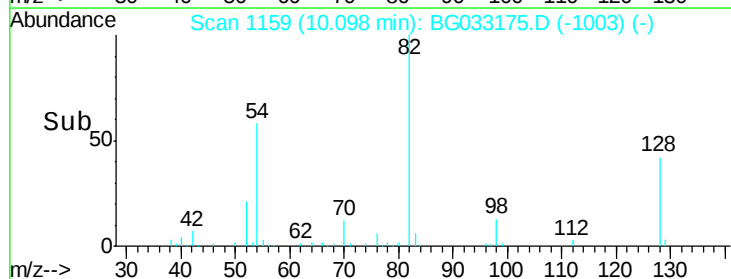
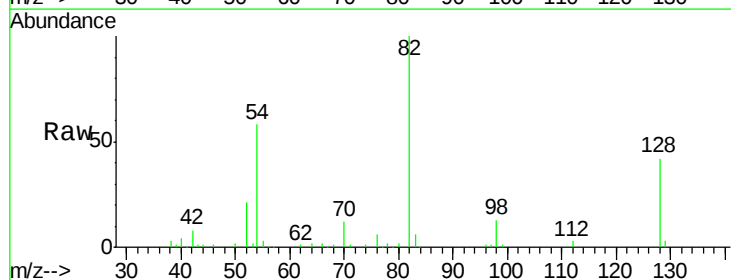
Ion Ratio Lower Upper

70 100

42 61.7 49.1 73.7

101 0.0 8.5 12.7#

130 0.0 13.4 20.0#

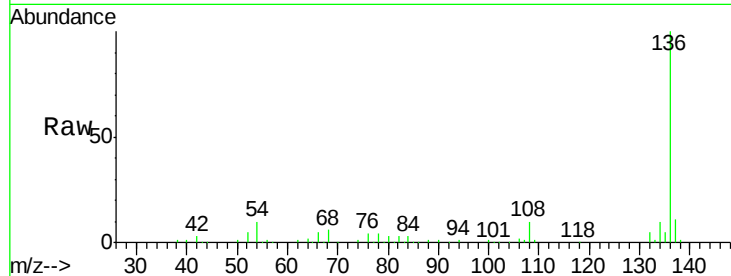




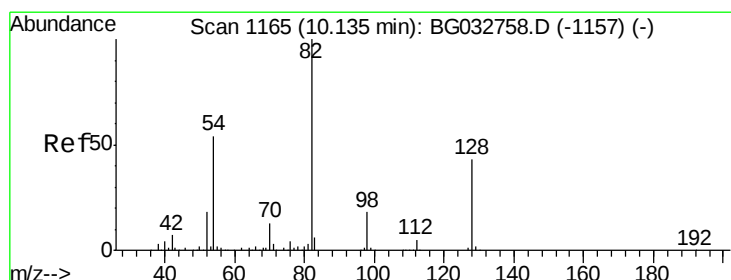
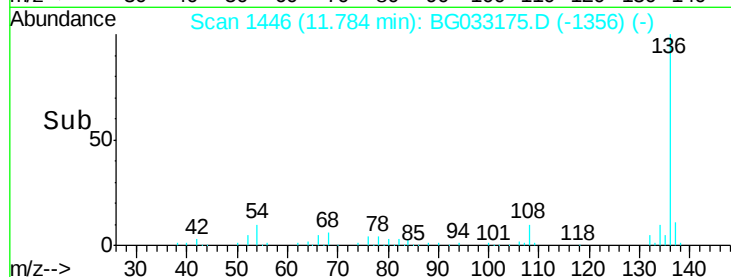
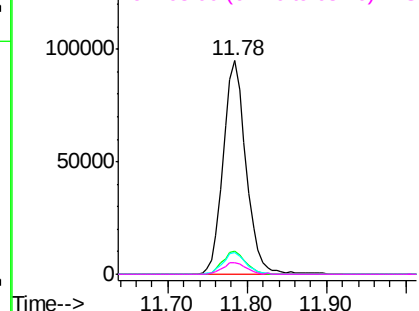
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.78 min Scan# 1446  
Delta R.T. -0.00 min  
Lab File: BG033175.D  
Acq: 15 Mar 2018 10:46

Instrument :  
BNA\_G  
ClientSampleId :

|             |       |            |
|-------------|-------|------------|
| Tot Ion:136 | Resp: | 189344     |
| Ion Ratio   | Lower | Upper      |
| 136         | 100   |            |
| 137         | 10.7  | 9.2 13.8   |
| 54          | 10.2  | 10.3 15.5# |
| 68          | 5.6   | 4.5 6.7    |

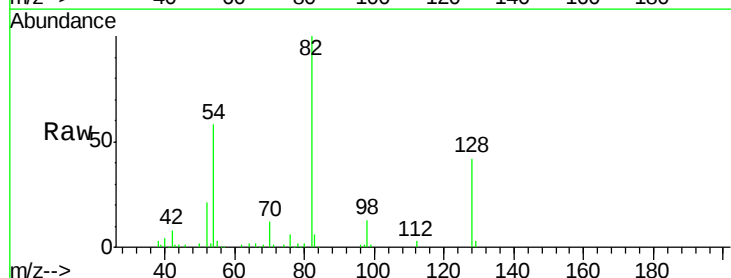


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

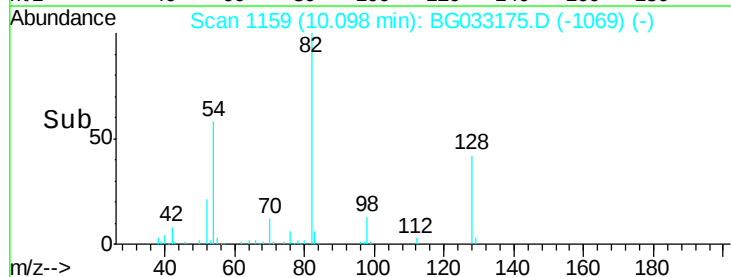
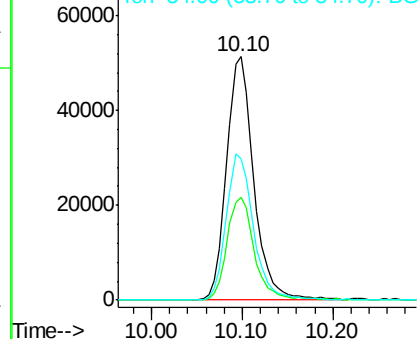


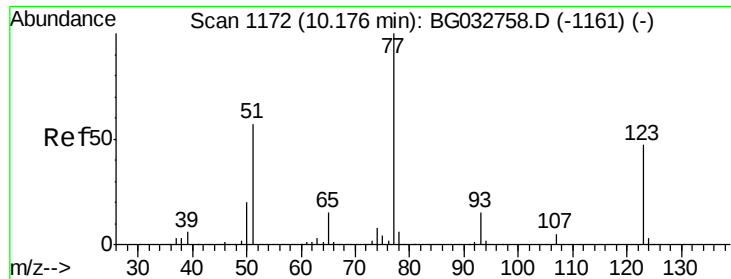
#23  
Nitrobenzene-d5  
Concen: 44.618 ng  
RT: 10.10 min Scan# 1159  
Delta R.T. -0.00 min  
Lab File: BG033175.D  
Acq: 15 Mar 2018 10:46

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 82 | Resp: | 107195    |
| Ion Ratio   | Lower | Upper     |
| 82          | 100   |           |
| 128         | 42.2  | 29.7 44.5 |
| 54          | 57.9  | 43.1 64.7 |



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

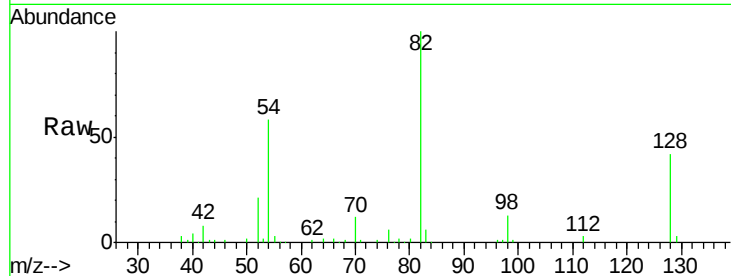




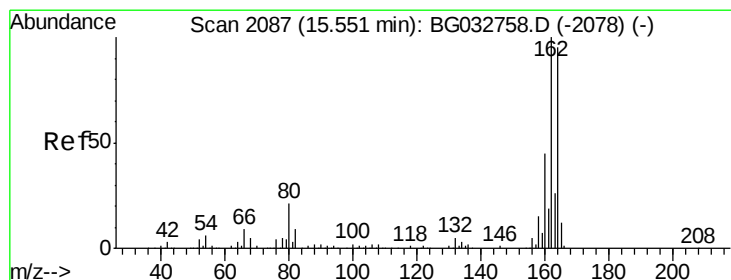
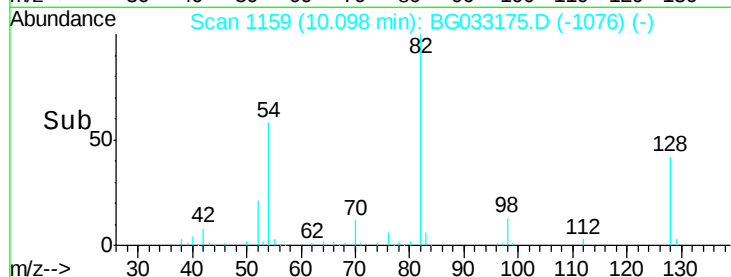
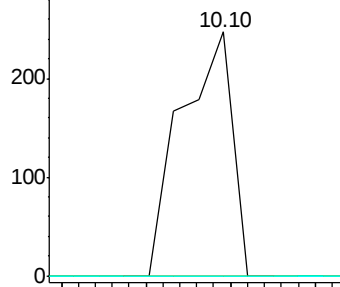
#24  
 Nitrobenzene  
 Concen: 6.440 ng  
 RT: 10.10 min Scan# 1159  
 Delta R.T. -0.04 min  
 Lab File: BG033175.D  
 Acq: 15 Mar 2018 10:46

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion: 77 Resp: 209  
 Ion Ratio Lower Upper  
 77 100  
 123 0.0 33.0 49.6#  
 65 0.0 13.0 19.6#

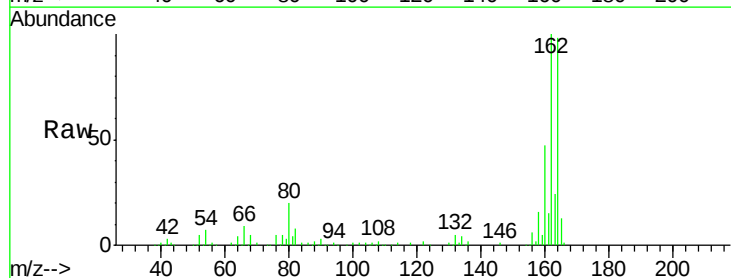


Abundance Ion 77.00 (76.70 to 77.70): BGC  
 Ion 123.00 (122.70 to 123.70): BGC  
 Ion 65.00 (64.70 to 65.70): BGC

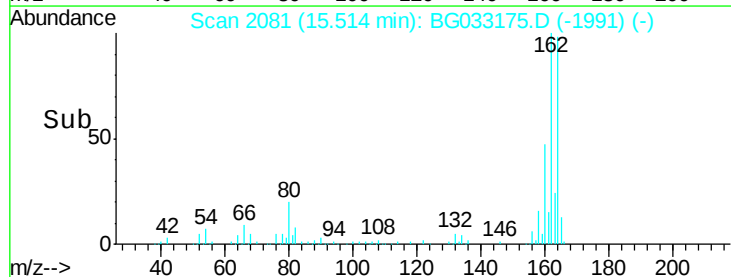
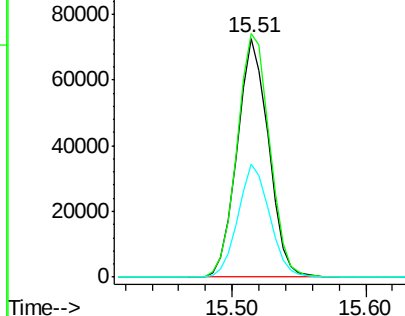


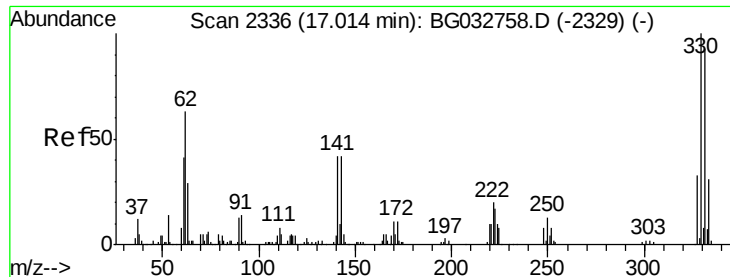
#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 15.51 min Scan# 2081  
 Delta R.T. -0.00 min  
 Lab File: BG033175.D  
 Acq: 15 Mar 2018 10:46

Tgt Ion:164 Resp: 118281  
 Ion Ratio Lower Upper  
 164 100  
 162 101.9 78.8 118.2  
 160 47.4 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): BGC  
 Ion 162.00 (161.70 to 162.70): BGC  
 Ion 160.00 (159.70 to 160.70): BGC

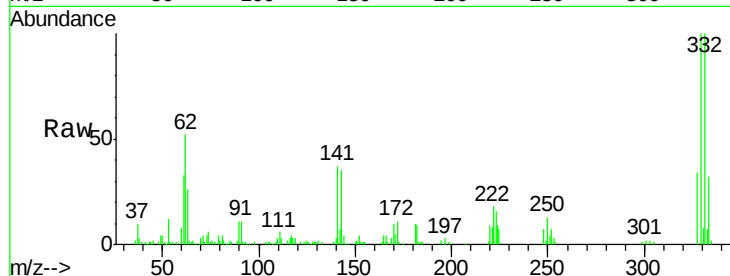




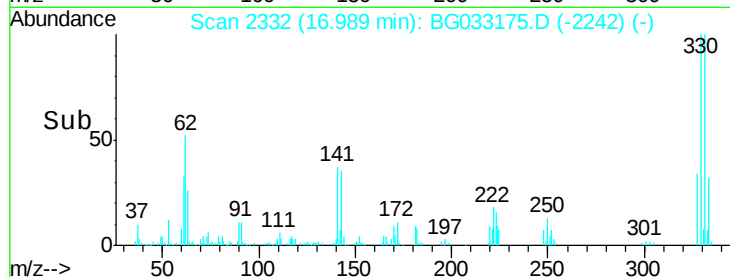
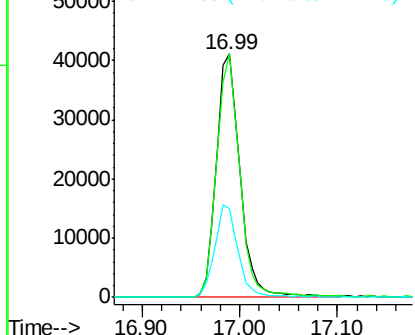
#41  
 2,4,6-Tribromophenol  
 Concen: 55.845 ng  
 RT: 16.99 min Scan# 2332  
 Delta R.T. -0.00 min  
 Lab File: BG033175.D  
 Acq: 15 Mar 2018 10:46

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:330 Resp: 69453  
 Ion Ratio Lower Upper  
 330 100  
 332 97.9 77.0 115.6  
 141 37.2 25.2 37.8

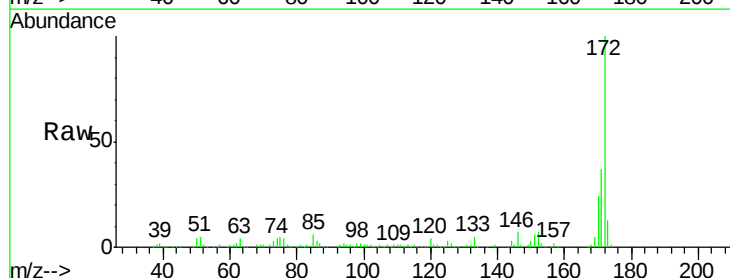


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

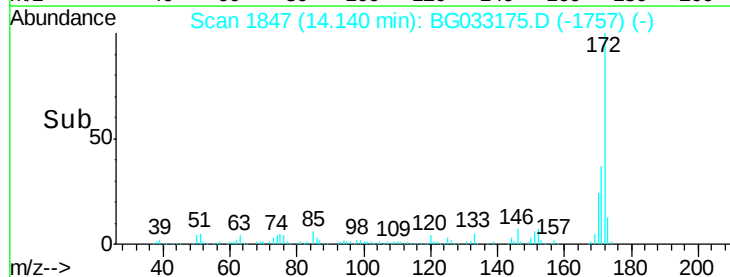
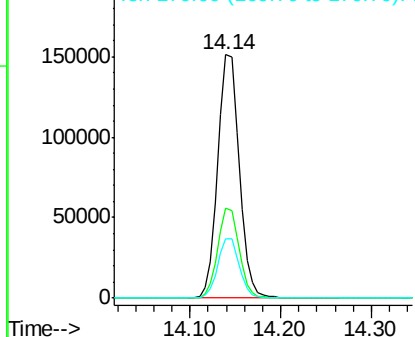


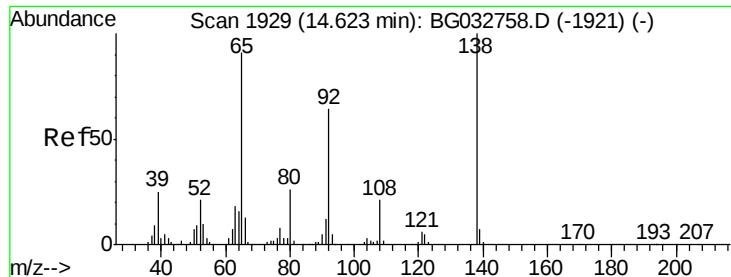
#44  
 2-Fluorobiphenyl  
 Concen: 30.354 ng  
 RT: 14.14 min Scan# 1847  
 Delta R.T. -0.00 min  
 Lab File: BG033175.D  
 Acq: 15 Mar 2018 10:46

Tgt Ion:172 Resp: 248935  
 Ion Ratio Lower Upper  
 172 100  
 171 36.8 30.0 45.0  
 170 24.5 19.5 29.3



Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E





#47

2-Nitroaniline

Concen: 10.004 ng

RT: 14.43 min Scan# 1897

Delta R.T. -0.17 min

Lab File: BG033175.D

Acq: 15 Mar 2018 10:46

Instrument :

BNA\_G

ClientSampleId :

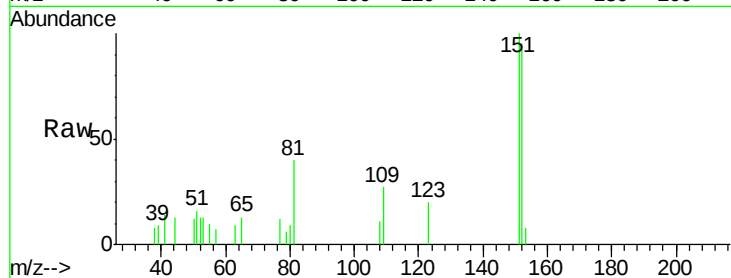
Tot Ion: 65 Resp: 411

Ion Ratio Lower Upper

65 100

92 0.0 54.6 82.0#

138 0.0 72.9 109.3#

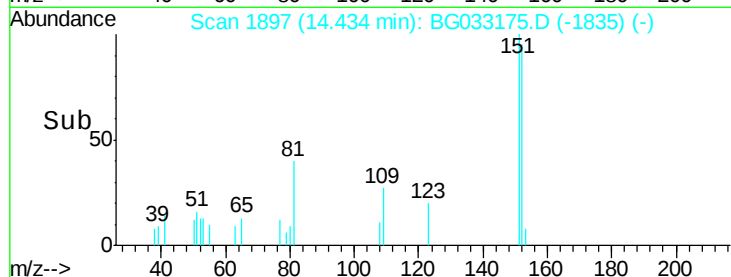


Abundance Ion 65.00 (64.70 to 65.70): BGC

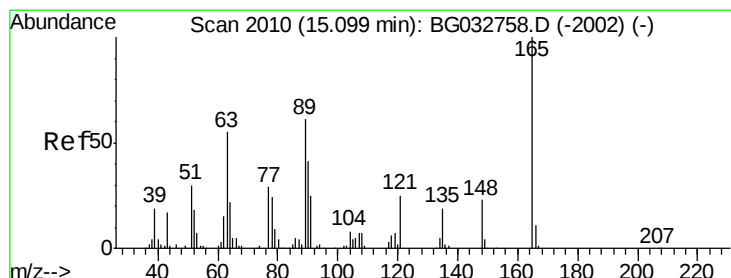
Ion 92.00 (91.70 to 92.70): BGC

Ion 138.00 (137.70 to 138.70): BGC

Time-->



Time-->



#50

2,6-Dinitrotoluene

Concen: 9.289 ng

RT: 15.00 min Scan# 1994

Delta R.T. -0.07 min

Lab File: BG033175.D

Acq: 15 Mar 2018 10:46

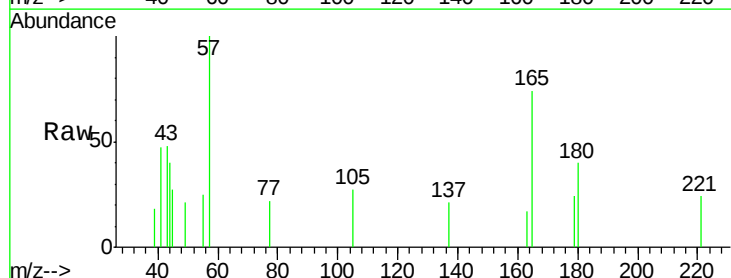
Tgt Ion:165 Resp: 797

Ion Ratio Lower Upper

165 100

63 0.0 52.7 79.1#

89 0.0 49.2 73.8#

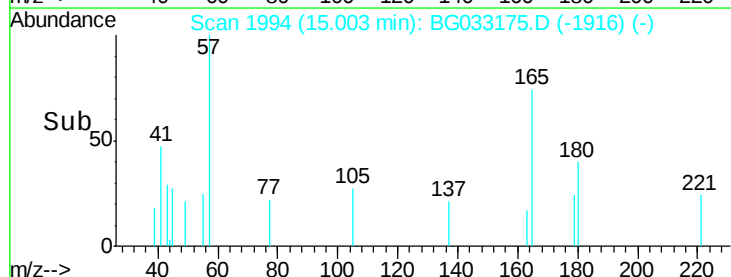


Abundance Ion 165.00 (164.70 to 165.70): BGC

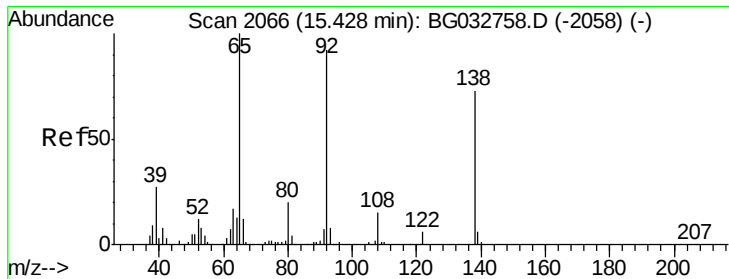
Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Time-->



Time-->



#52

3-Nitroaniline

Concen: 7.588 ng

RT: 15.90 min Scan# 2146

Delta R.T. 0.48 min

Lab File: BG033175.D

Acq: 15 Mar 2018 10:46

Instrument :

BNA\_G

ClientSampleId :

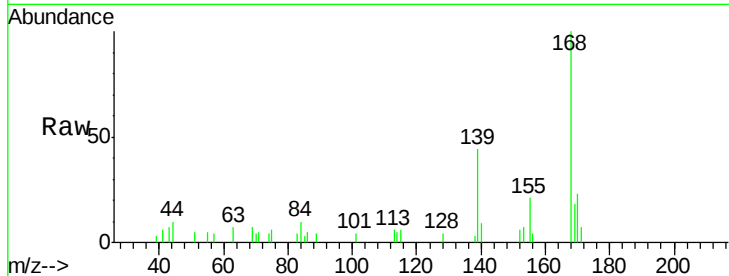
Tot Ion:138 Resp: 109

Ion Ratio Lower Upper

138 100

108 0.0 17.5 26.3#

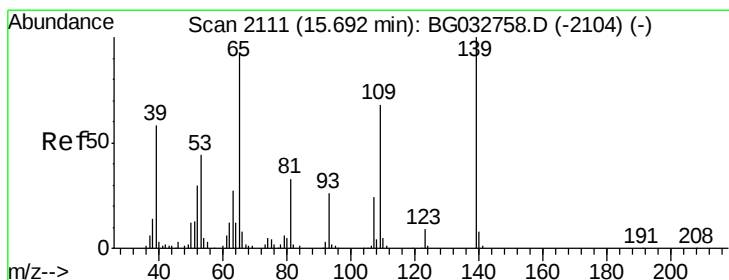
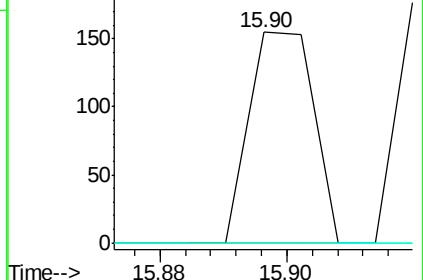
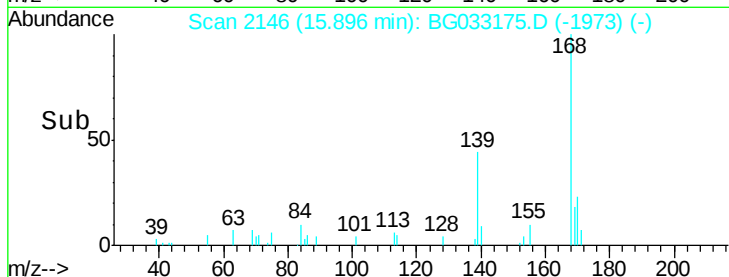
92 0.0 105.8 158.8#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC



#55

4-Nitrophenol

Concen: 10.014 ng

RT: 15.91 min Scan# 2148

Delta R.T. 0.21 min

Lab File: BG033175.D

Acq: 15 Mar 2018 10:46

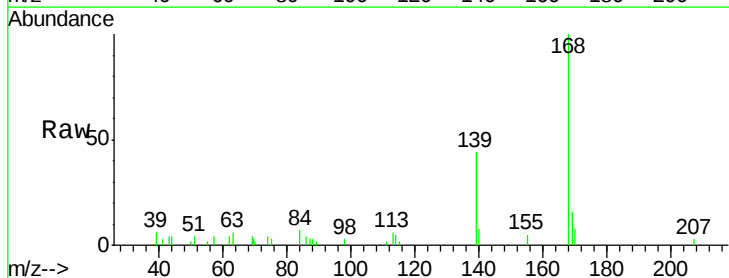
Tgt Ion:139 Resp: 5293

Ion Ratio Lower Upper

139 100

109 0.0 62.2 102.2#

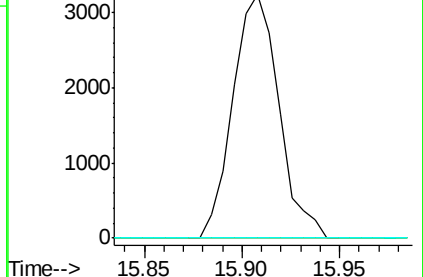
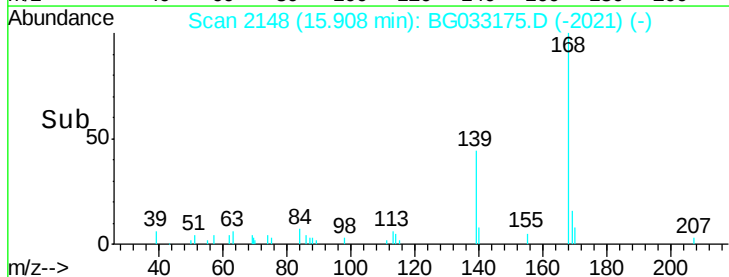
65 0.0 97.2 137.2#

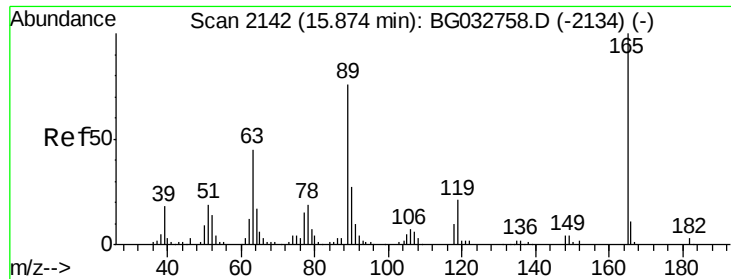


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC

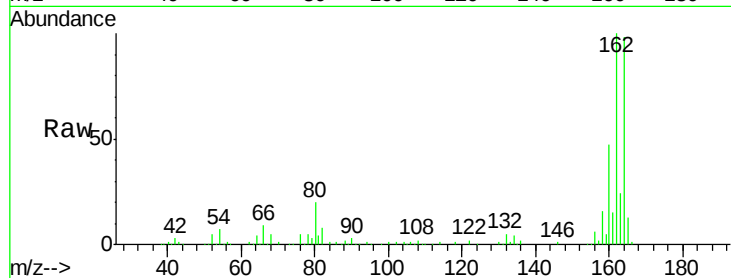




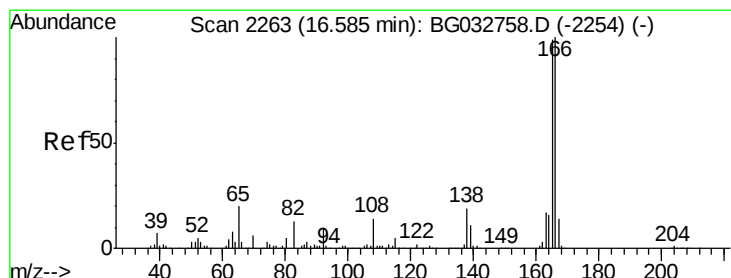
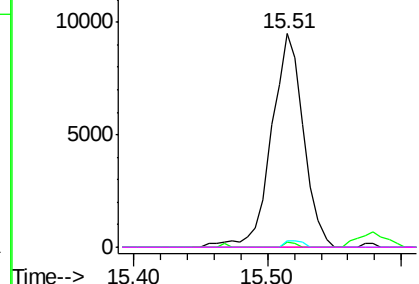
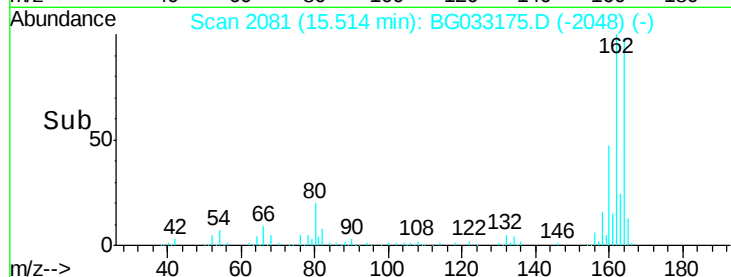
#56  
2,4-Dinitrotoluene  
Concen: 14.852 ng  
RT: 15.51 min Scan# 2081  
Delta R.T. -0.34 min  
Lab File: BG033175.D  
Acq: 15 Mar 2018 10:46

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:165 Resp: 15823  
Ion Ratio Lower Upper  
165 100  
63 2.3 42.0 63.0#  
89 2.8 66.9 100.3#  
182 0.0 2.6 3.8#

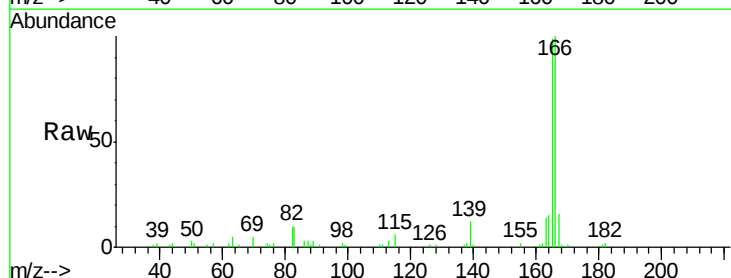


Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BGC  
Ion 89.00 (88.70 to 89.70): BGC  
Ion 182.00 (181.70 to 182.70): E

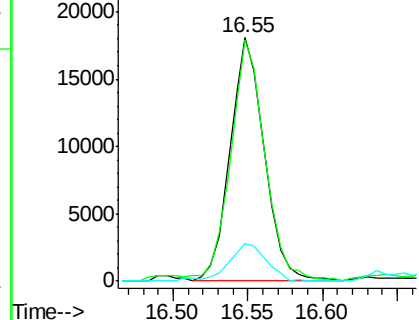
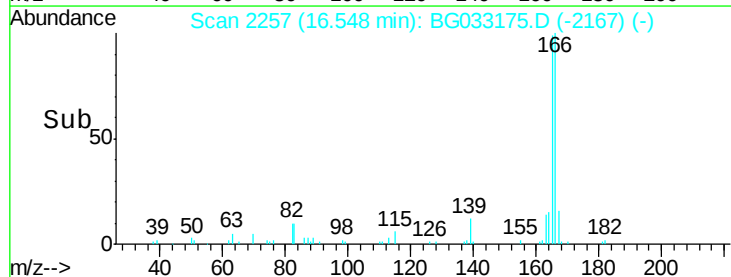


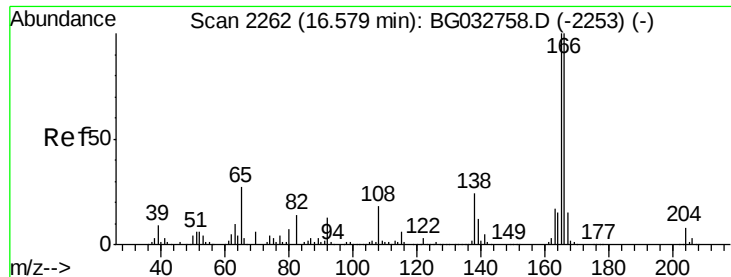
#57  
Fluorene  
Concen: 3.136 ng  
RT: 16.55 min Scan# 2257  
Delta R.T. -0.00 min  
Lab File: BG033175.D  
Acq: 15 Mar 2018 10:46

Tgt Ion:166 Resp: 29011  
Ion Ratio Lower Upper  
166 100  
165 98.8 80.6 121.0  
167 15.6 10.4 15.6



Abundance Ion 166.00 (165.70 to 166.70): E  
Ion 165.00 (164.70 to 165.70): E  
Ion 167.00 (166.70 to 167.70): E

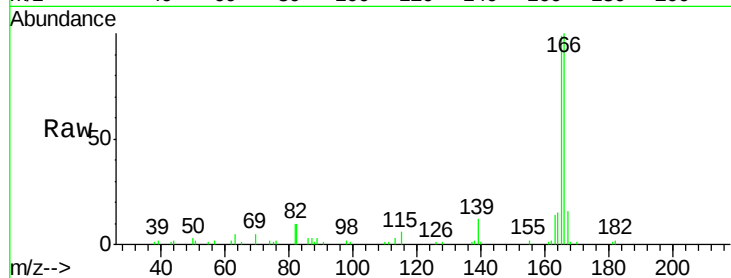




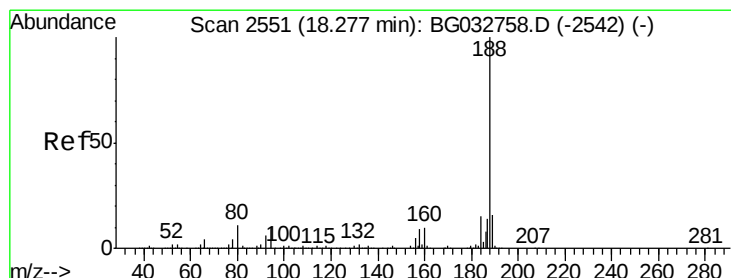
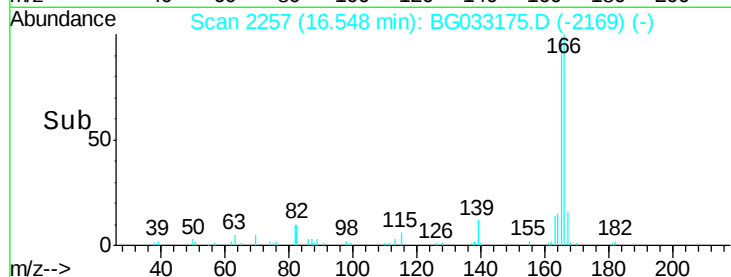
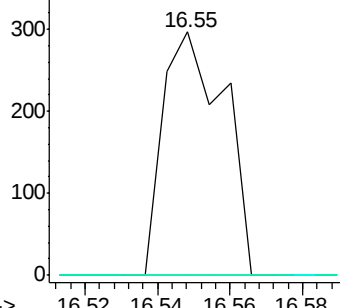
#61  
4-Nitroaniline  
Concen: 5.443 ng  
RT: 16.55 min Scan# 2257  
Delta R.T. -0.02 min  
Lab File: BG033175.D  
Acq: 15 Mar 2018 10:46

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:138 Resp: 349  
Ion Ratio Lower Upper  
138 100  
92 0.0 40.1 80.1#  
108 0.0 65.4 105.4#

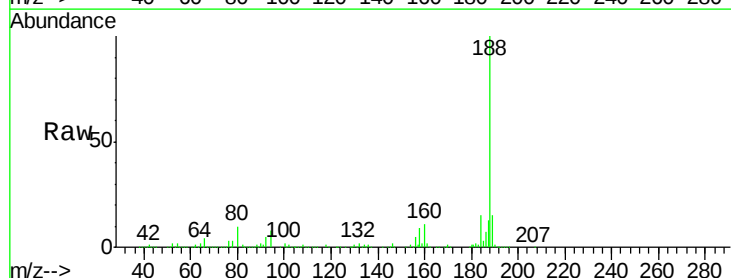


Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 92.00 (91.70 to 92.70): BGC  
Ion 108.00 (107.70 to 108.70): E

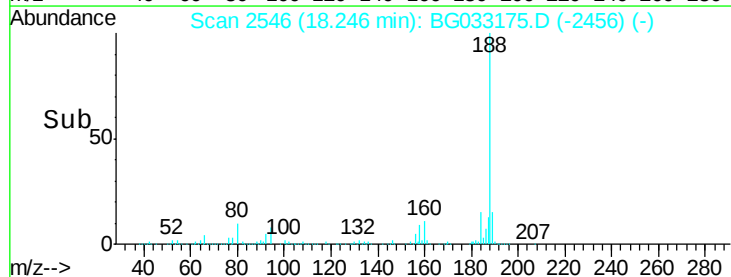
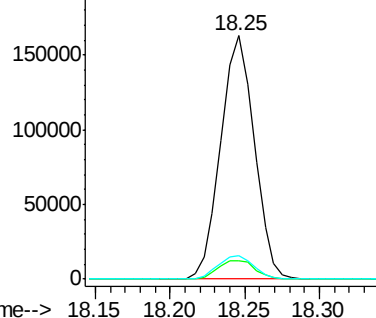


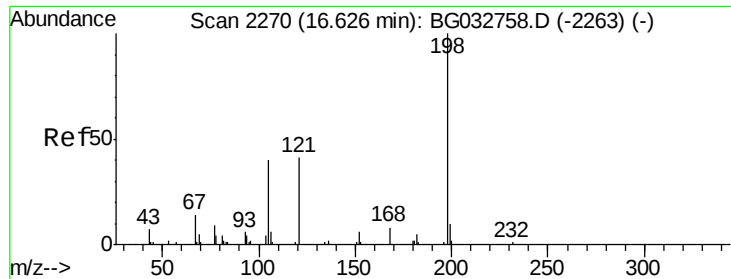
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 18.25 min Scan# 2546  
Delta R.T. -0.00 min  
Lab File: BG033175.D  
Acq: 15 Mar 2018 10:46

Tgt Ion:188 Resp: 254054  
Ion Ratio Lower Upper  
188 100  
94 7.8 6.9 10.3  
80 9.6 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BGC  
Ion 80.00 (79.70 to 80.70): BGC





#64

4,6-Dinitro-2-methylphenol

Concen: 5.162 ng

RT: 16.98 min Scan# 2331

Delta R.T. 0.37 min

Lab File: BG033175.D

Acq: 15 Mar 2018 10:46

Instrument :

BNA\_G

ClientSampleId :

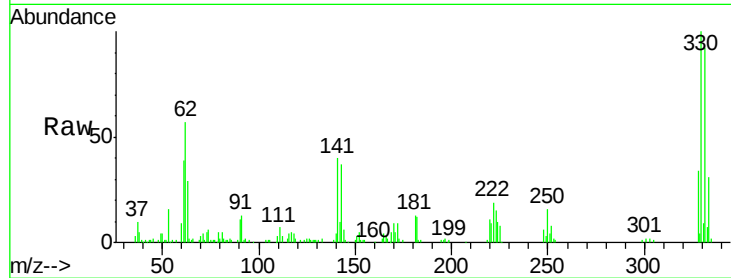
Tot Ion:198 Resp: 128

Ion Ratio Lower Upper

198 100

51 238.3 30.6 70.6#

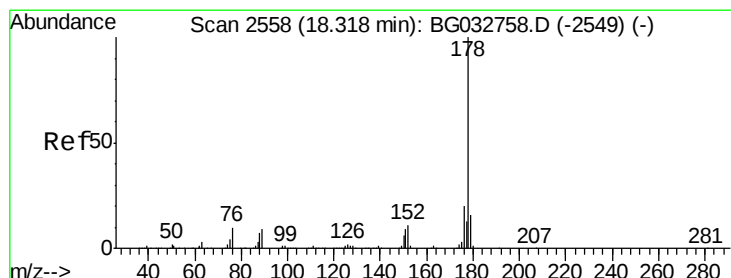
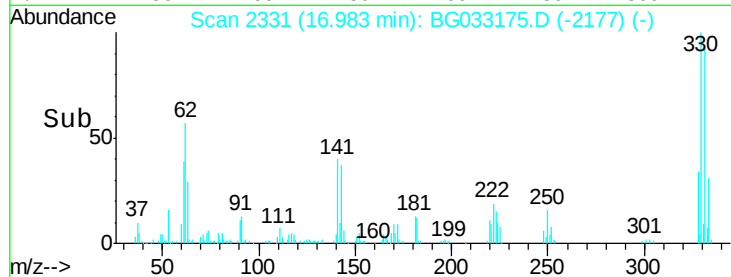
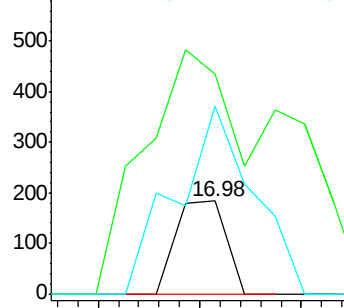
105 203.3 23.8 63.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#70

Phenanthrene

Concen: 34.684 ng

RT: 18.29 min Scan# 2553

Delta R.T. -0.00 min

Lab File: BG033175.D

Acq: 15 Mar 2018 10:46

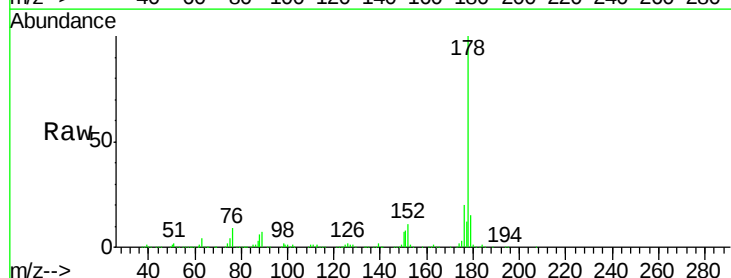
Tgt Ion:178 Resp: 491599

Ion Ratio Lower Upper

178 100

176 19.7 15.7 23.5

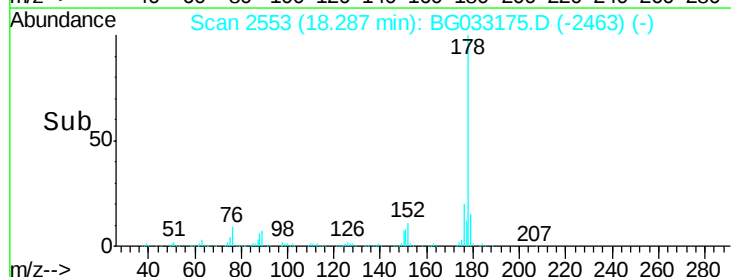
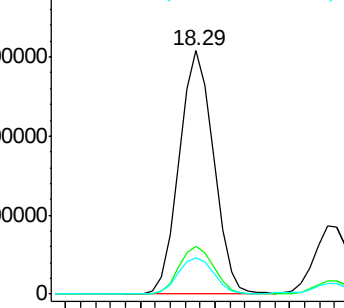
179 15.1 12.5 18.7

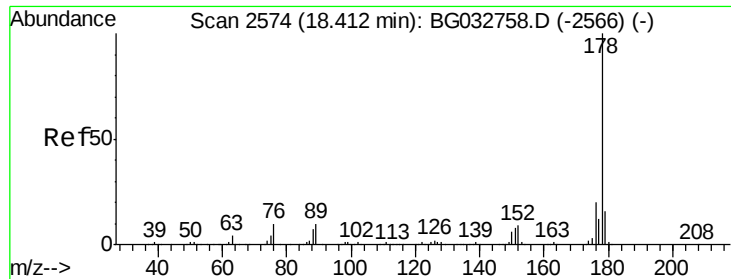


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

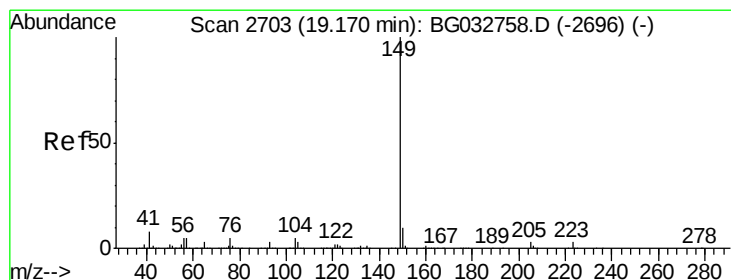
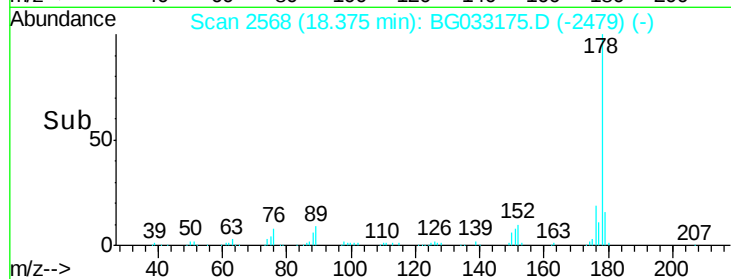
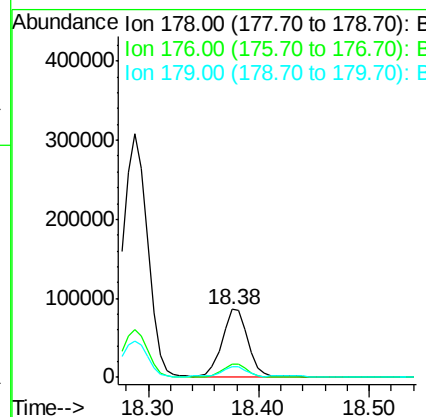
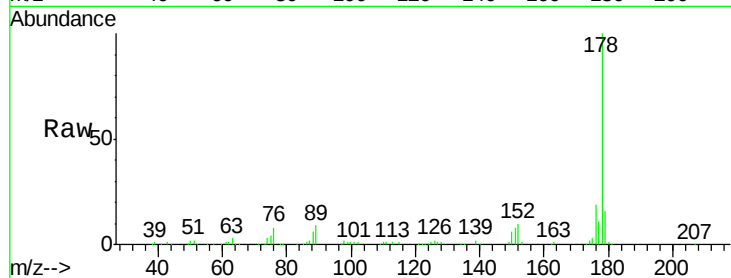




#71  
 Anthracene  
 Concen: 9.865 ng  
 RT: 18.38 min Scan# 2568  
 Delta R.T. -0.01 min  
 Lab File: BG033175.D  
 Acq: 15 Mar 2018 10:46

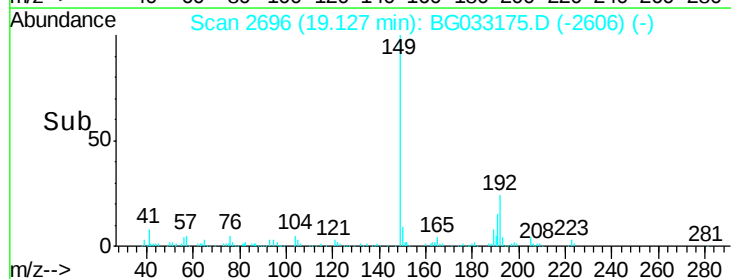
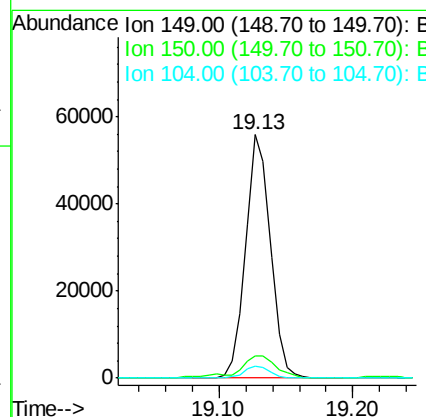
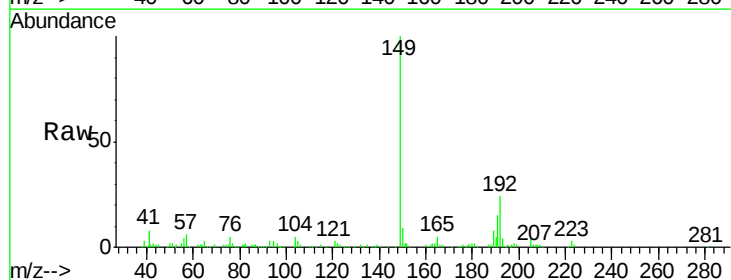
Instrument :  
 BNA\_G  
 ClientSampleId :

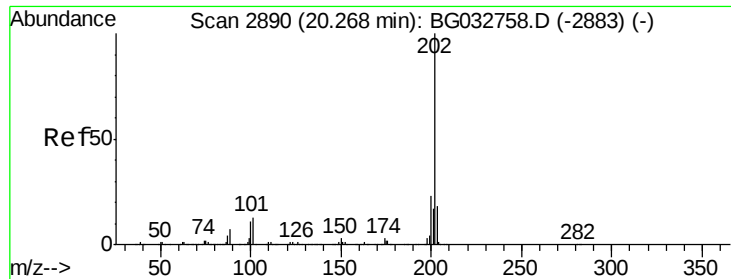
Tot Ion:178 Resp: 140369  
 Ion Ratio Lower Upper  
 178 100  
 176 19.3 16.0 24.0  
 179 15.8 12.5 18.7



#73  
 Di-n-butylphthalate  
 Concen: 4.163 ng  
 RT: 19.13 min Scan# 2696  
 Delta R.T. -0.00 min  
 Lab File: BG033175.D  
 Acq: 15 Mar 2018 10:46

Tgt Ion:149 Resp: 71634  
 Ion Ratio Lower Upper  
 149 100  
 150 9.3 7.8 11.6  
 104 4.7 3.9 5.9





#74

Fluoranthene

Concen: 65.074 ng

RT: 20.24 min Scan# 2886

Delta R.T. 0.00 min

Lab File: BG033175.D

Acq: 15 Mar 2018 10:46

Instrument :

BNA\_G

ClientSampleId :

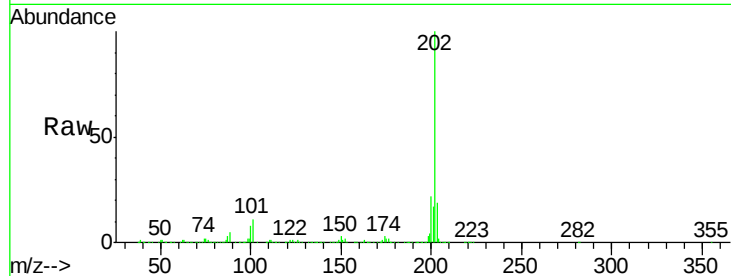
Tot Ion:202 Resp: 1018849

Ion Ratio Lower Upper

202 100

101 10.7 0.0 28.9

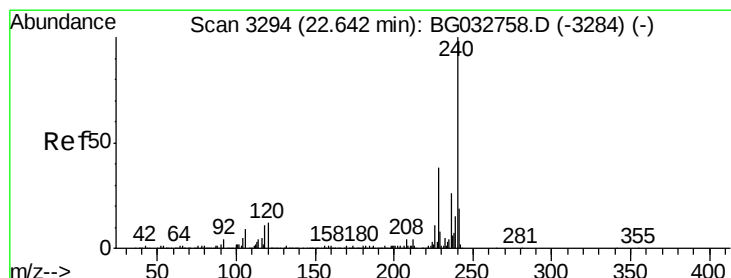
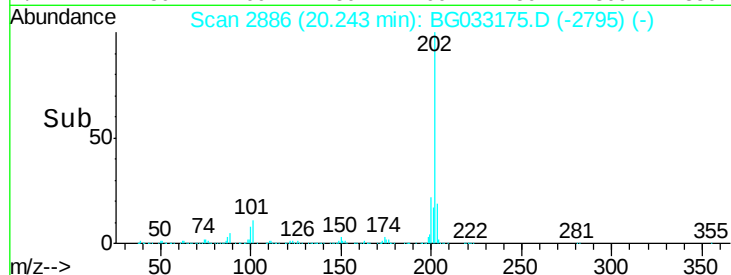
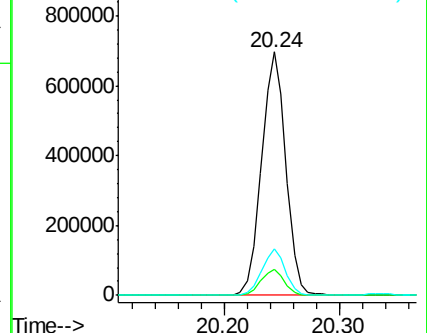
203 19.1 0.0 37.5



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: 20.000 ng

RT: 22.60 min Scan# 3288

Delta R.T. -0.00 min

Lab File: BG033175.D

Acq: 15 Mar 2018 10:46

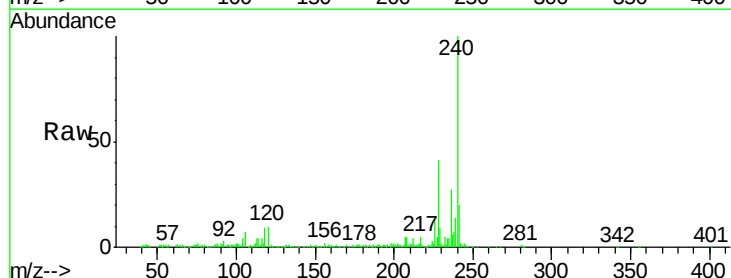
Tgt Ion:240 Resp: 237220

Ion Ratio Lower Upper

240 100

120 10.0 6.8 10.2

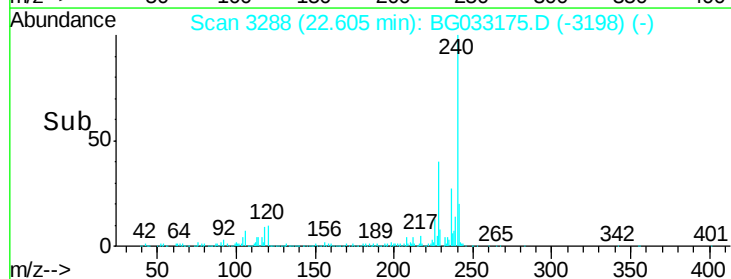
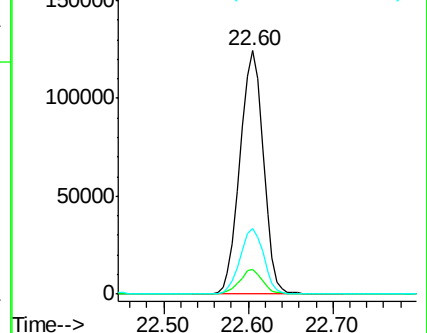
236 27.0 20.9 31.3

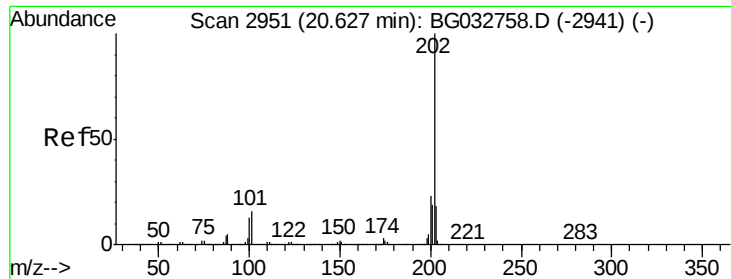


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

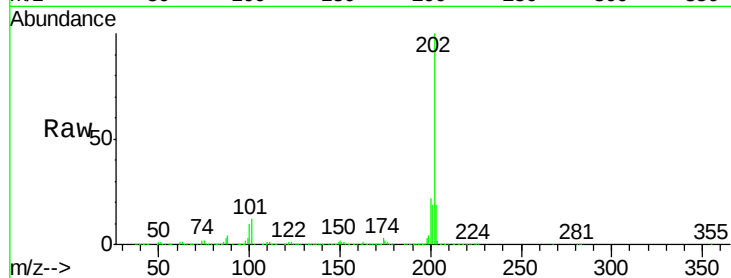




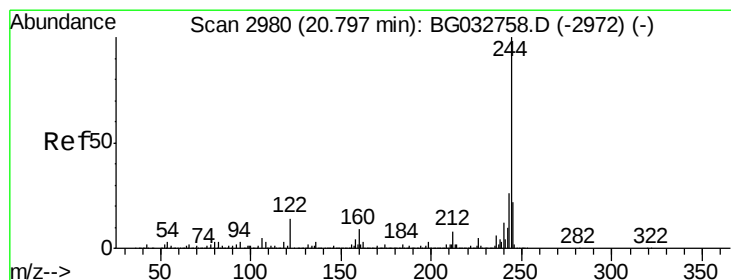
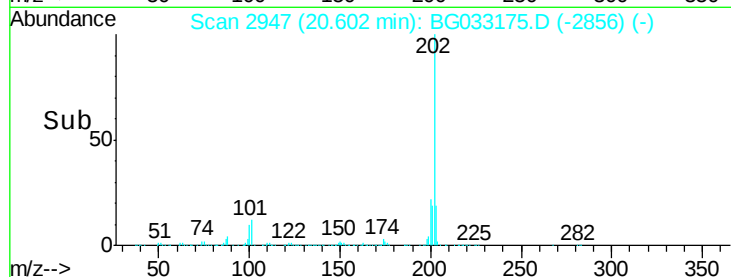
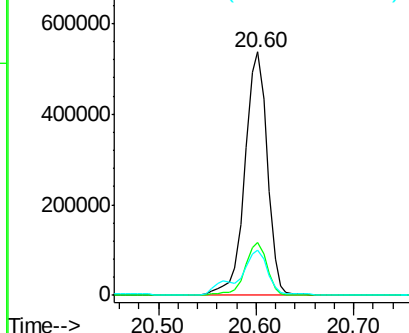
#77  
Pvrene  
Concen: 51.187 ng  
RT: 20.60 min Scan# 2947  
Delta R.T. 0.00 min  
Lab File: BG033175.D  
Acq: 15 Mar 2018 10:46

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 21.6  | 16.9  | 25.3  |
| 203     | 18.7  | 13.9  | 20.9  |

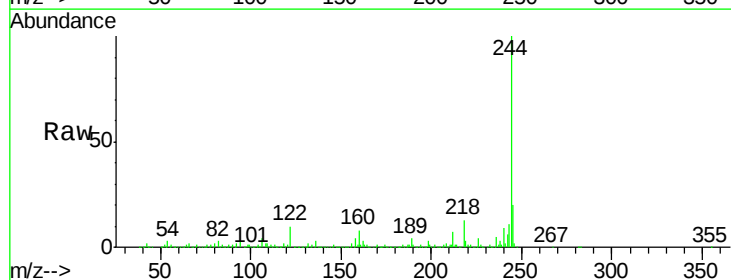


Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 200.00 (199.70 to 200.70): E  
Ion 203.00 (202.70 to 203.70): E

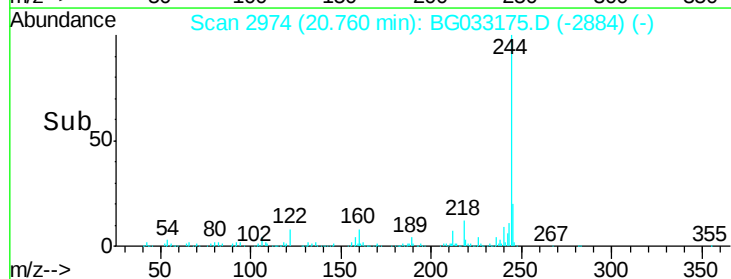
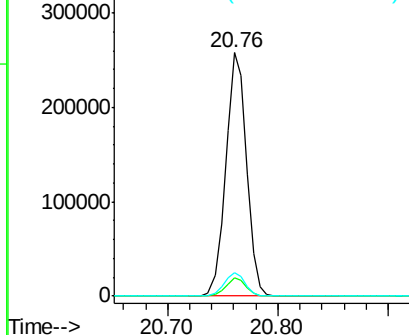


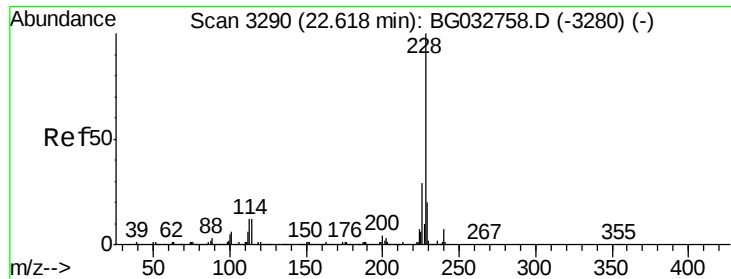
#78  
Terphenyl-d14  
Concen: 32.054 ng  
RT: 20.76 min Scan# 2974  
Delta R.T. -0.00 min  
Lab File: BG033175.D  
Acq: 15 Mar 2018 10:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.4   | 5.8   | 8.8   |
| 122     | 9.7   | 7.0   | 10.4  |



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

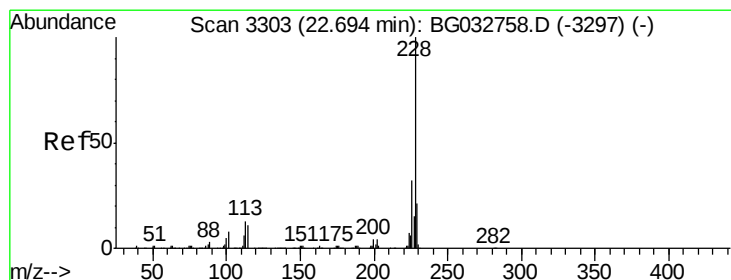
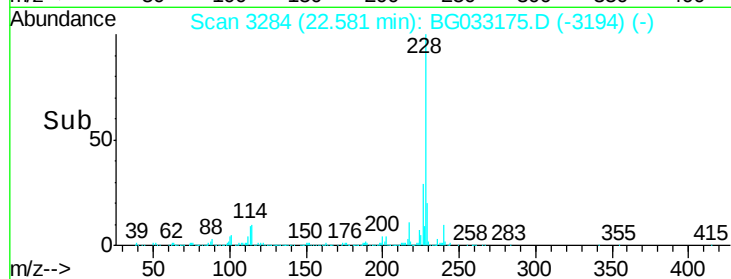
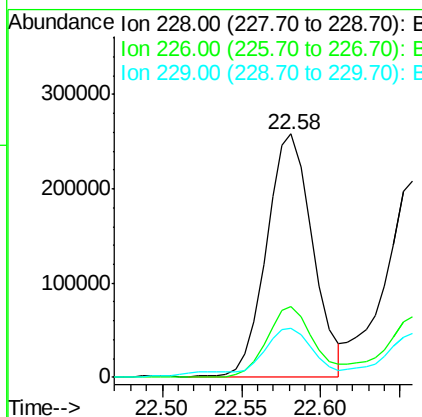
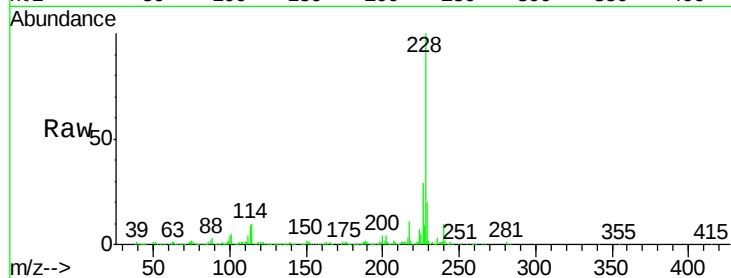




#80  
Benzo(a)anthracene  
Concen: 34.000 ng  
RT: 22.58 min Scan# 3284  
Delta R.T. -0.00 min  
Lab File: BG033175.D  
Acq: 15 Mar 2018 10:46

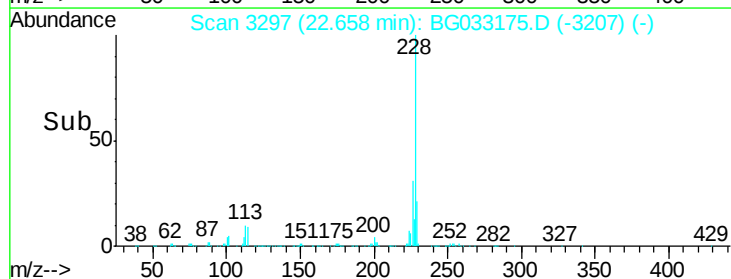
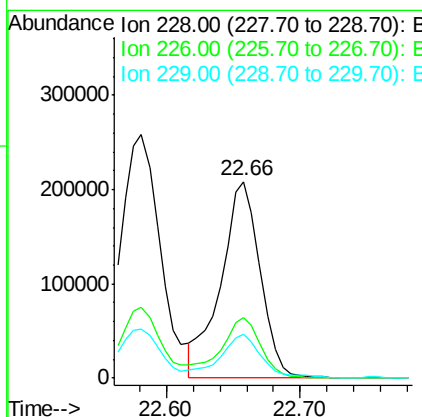
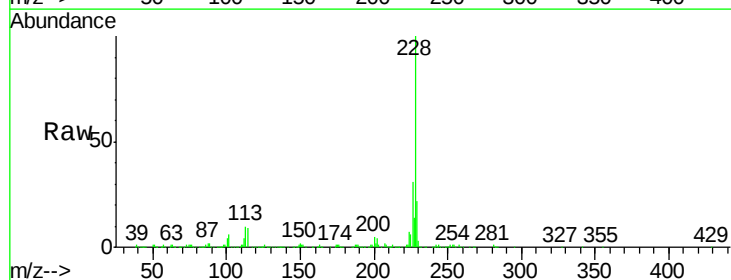
Instrument :  
BNA\_G  
ClientSampleId :

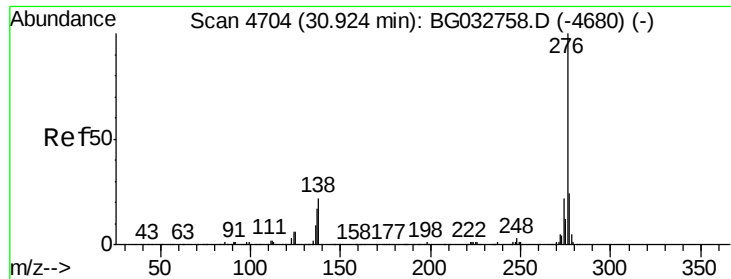
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 28.9  | 22.7  | 34.1  |
| 229     | 20.0  | 16.2  | 24.2  |



#82  
Chrysene  
Concen: 29.302 ng  
RT: 22.66 min Scan# 3297  
Delta R.T. -0.00 min  
Lab File: BG033175.D  
Acq: 15 Mar 2018 10:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.7  | 24.9  | 37.3  |
| 229     | 22.1  | 15.0  | 22.4  |

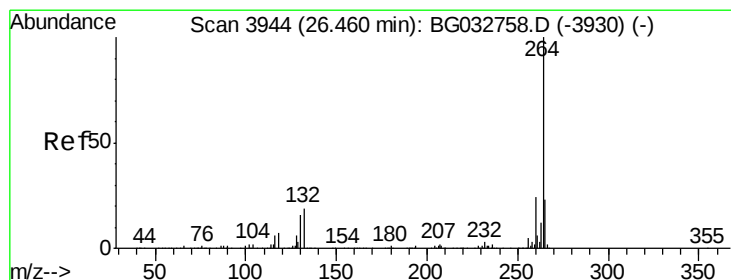
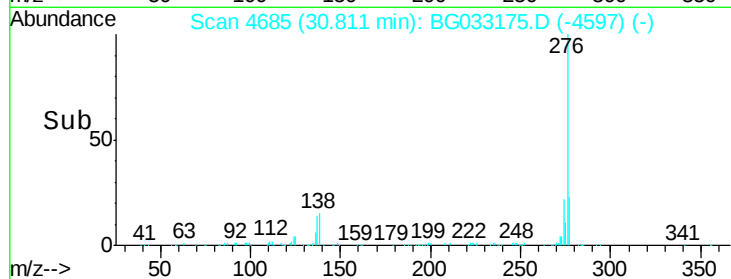
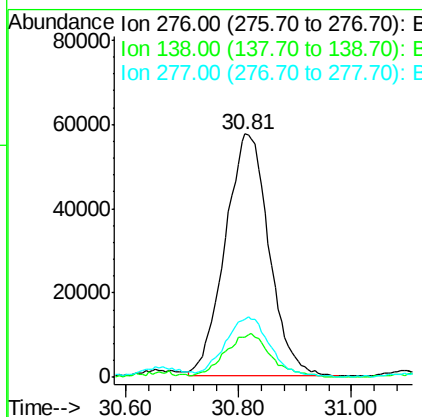
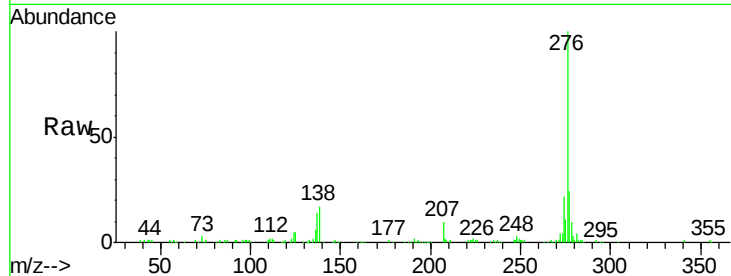




#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 18.288 ng  
 RT: 30.81 min Scan# 4685  
 Delta R.T. -0.02 min  
 Lab File: BG033175.D  
 Acq: 15 Mar 2018 10:46

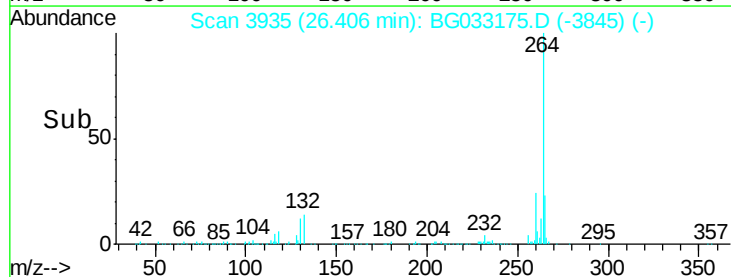
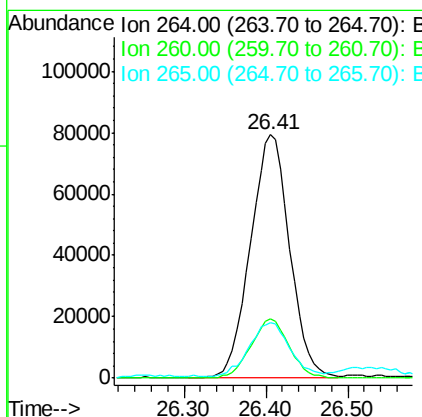
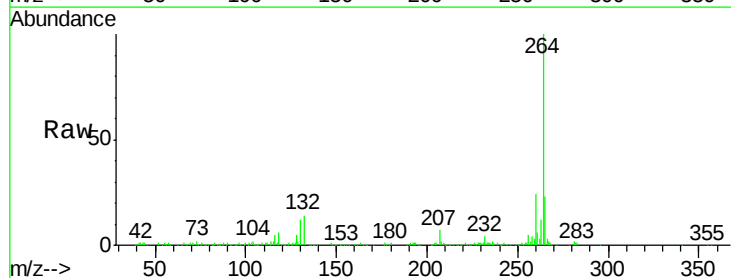
Instrument :  
 BNA\_G  
 ClientSampleId :

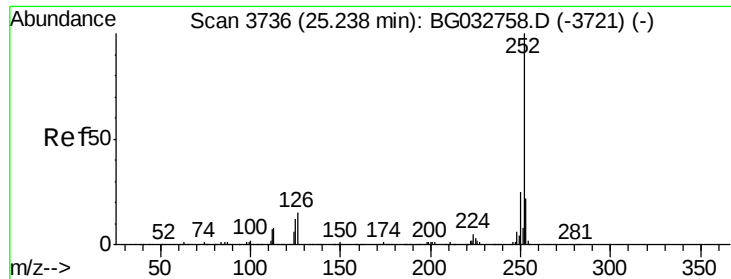
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 19.2  | 16.0  | 24.0  |
| 277     | 26.0  | 20.0  | 30.0  |



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 26.41 min Scan# 3935  
 Delta R.T. -0.00 min  
 Lab File: BG033175.D  
 Acq: 15 Mar 2018 10:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.5  | 17.4  | 26.0  |
| 265     | 23.0  | 17.7  | 26.5  |

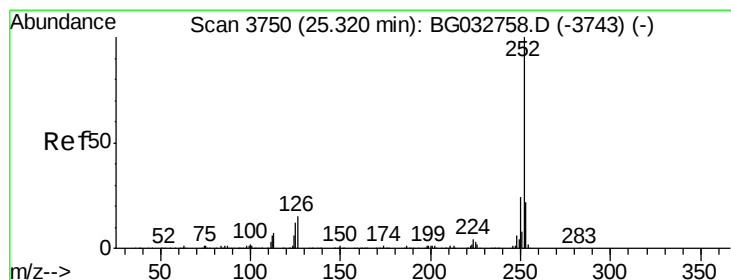
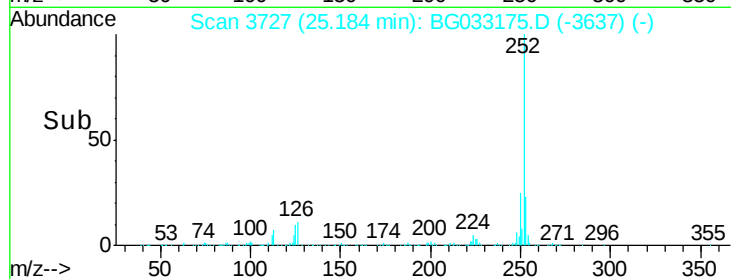
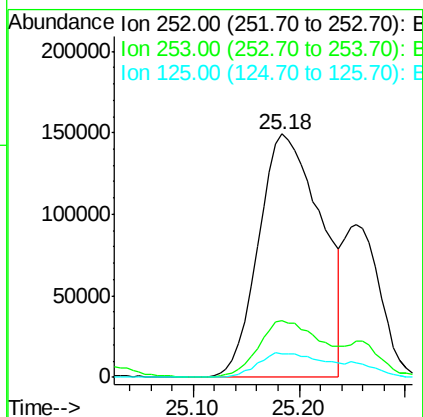
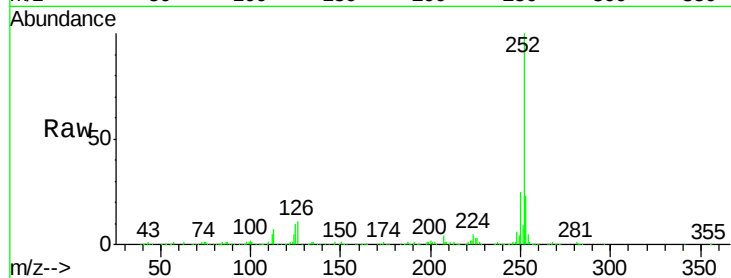




#87  
Benzo(b)fluoranthene  
Concen: 38.986 ng  
RT: 25.18 min Scan# 3727  
Delta R.T. -0.00 min  
Lab File: BG033175.D  
Acq: 15 Mar 2018 10:46

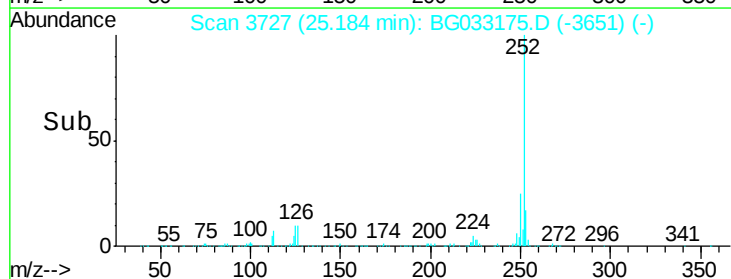
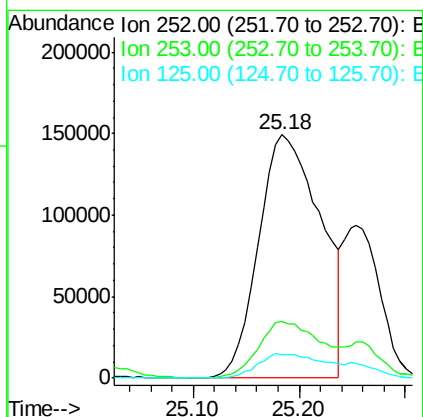
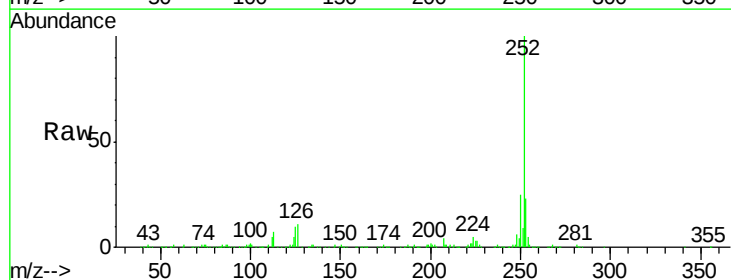
Instrument :  
BNA\_G  
ClientSampleId :

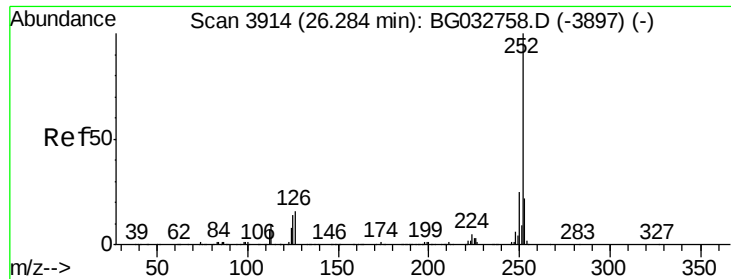
Tot Ion:252 Resp: 609291  
Ion Ratio Lower Upper  
252 100  
253 23.3 18.2 27.4  
125 9.7 7.2 10.8



#88  
Benzo(k)fluoranthene  
Concen: 39.228 ng  
RT: 25.18 min Scan# 3727  
Delta R.T. -0.09 min  
Lab File: BG033175.D  
Acq: 15 Mar 2018 10:46

Tgt Ion:252 Resp: 609291  
Ion Ratio Lower Upper  
252 100  
253 23.3 17.4 26.2  
125 9.7 6.6 9.8

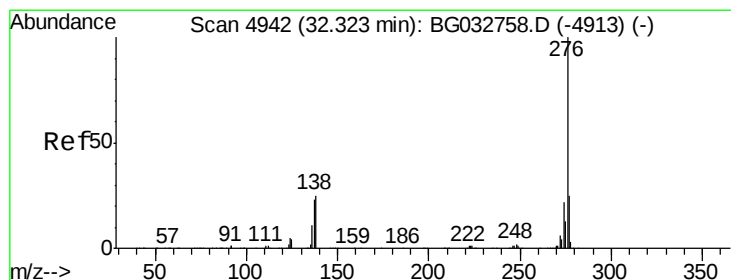
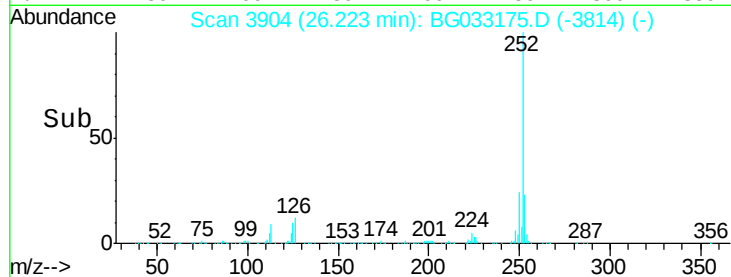
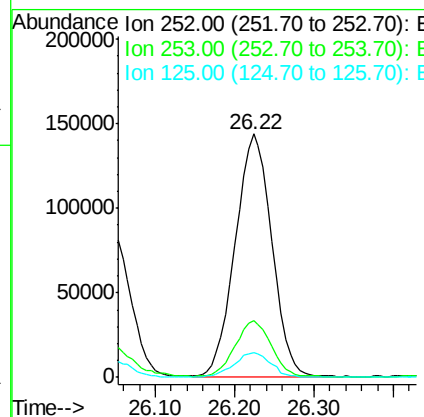
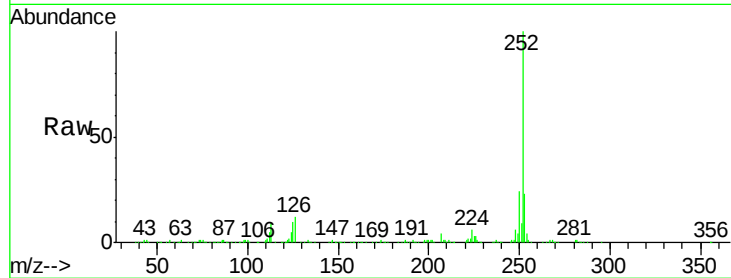




#89  
Benzo(a)pyrene  
Concen: 30.806 ng  
RT: 26.22 min Scan# 3904  
Delta R.T. -0.00 min  
Lab File: BG033175.D  
Acq: 15 Mar 2018 10:46

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:252 Resp: 457921  
Ion Ratio Lower Upper  
252 100  
253 23.3 18.3 27.5  
125 10.0 7.3 10.9



#91  
Benzo(g,h,i)perylene  
Concen: 18.995 ng  
RT: 32.20 min Scan# 4921  
Delta R.T. -0.04 min  
Lab File: BG033175.D  
Acq: 15 Mar 2018 10:46

Tgt Ion:276 Resp: 280162  
Ion Ratio Lower Upper  
276 100  
277 22.3 18.3 27.5  
138 17.3 13.9 20.9

