

Data Path : Z:\HPCHEM1\BNA G\DATA\BG052918\  
 Data File : BG034787.D  
 Acq On : 29 May 2018 21:31  
 Operator : SJ/JU  
 Sample : J3138-02MSD  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 30 04:50:58 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG051618.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri May 25 14:58:34 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.04  | 152  | 89046    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.85 | 136  | 316593   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 14.68 | 164  | 220379   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 17.44 | 188  | 581620   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 21.73 | 240  | 689294   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12          | 24.99 | 264  | 765735   | 20.00 | ng    | -0.02    |

## System Monitoring Compounds

|                          |       |     |         |        |    |       |
|--------------------------|-------|-----|---------|--------|----|-------|
| 5) 2-Fluorophenol        | 5.61  | 112 | 712703  | 123.28 | ng | 0.00  |
| 7) Phenol-d6             | 7.21  | 99  | 958778  | 102.52 | ng | 0.00  |
| 23) Nitrobenzene-d5      | 9.20  | 82  | 667450  | 80.54  | ng | 0.00  |
| 41) 2,4,6-Tribromophenol | 16.18 | 330 | 516574  | 136.10 | ng | 0.00  |
| 44) 2-Fluorobiphenyl     | 13.30 | 172 | 1375483 | 84.74  | ng | 0.00  |
| 78) Terphenyl-d14        | 20.05 | 244 | 2662176 | 84.70  | ng | -0.01 |

## Target Compounds

|                                |       |     |        |        |    | Qvalue |
|--------------------------------|-------|-----|--------|--------|----|--------|
| 2) 1,4-Dioxane                 | 3.54  | 88  | 103467 | 43.572 | ng | # 75   |
| 3) Pyridine                    | 3.93  | 79  | 245750 | 32.089 | ng | # 70   |
| 4) n-Nitrosodimethylamine      | 3.84  | 42  | 108373 | 24.194 | ng | # 60   |
| 6) Aniline                     | 7.36  | 93  | 280103 | 22.943 | ng | 98     |
| 8) 2-Chlorophenol              | 7.60  | 128 | 264174 | 43.209 | ng | 96     |
| 9) Benzaldehyde                | 7.17  | 77  | 62430  | 9.661  | ng | 87     |
| 10) Phenol                     | 7.23  | 94  | 340228 | 36.477 | ng | 97     |
| 11) bis(2-Chloroethyl)ether    | 7.45  | 93  | 294516 | 41.798 | ng | 86     |
| 12) 1,3-Dichlorobenzene        | 7.92  | 146 | 304350 | 42.301 | ng | 97     |
| 13) 1,4-Dichlorobenzene        | 8.07  | 146 | 305136 | 41.651 | ng | 97     |
| 14) 1,2-Dichlorobenzene        | 8.39  | 146 | 289954 | 40.323 | ng | 96     |
| 15) Benzyl Alcohol             | 8.28  | 79  | 305042 | 31.873 | ng | 96     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.56  | 45  | 315118 | 39.404 | ng | 73     |
| 17) 2-Methylphenol             | 8.48  | 107 | 242519 | 38.705 | ng | 89     |
| 18) Hexachloroethane           | 9.12  | 117 | 112237 | 36.415 | ng | 92     |
| 19) n-Nitroso-di-n-propylamine | 8.84  | 70  | 246282 | 32.152 | ng | # 84   |
| 20) 3+4-Methylphenols          | 8.81  | 107 | 321077 | 36.754 | ng | 91     |
| 22) Acetophenone               | 8.86  | 105 | 447022 | 44.197 | ng | # 87   |
| 24) Nitrobenzene               | 9.25  | 77  | 354618 | 41.226 | ng | 95     |
| 25) Isophorone                 | 9.76  | 82  | 657501 | 40.929 | ng | 98     |
| 26) 2-Nitrophenol              | 9.96  | 139 | 152269 | 49.572 | ng | # 89   |
| 27) 2,4-Dimethylphenol         | 10.02 | 122 | 261815 | 48.748 | ng | 94     |
| 28) bis(2-Chloroethoxy)methane | 10.25 | 93  | 393747 | 48.698 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 10.50 | 162 | 295703 | 52.797 | ng | 94     |
| 30) 1,2,4-Trichlorobenzene     | 10.71 | 180 | 317016 | 47.604 | ng | 98     |
| 31) Naphthalene                | 10.90 | 128 | 809611 | 49.185 | ng | 98     |
| 32) Benzoic acid               | 10.16 | 122 | 131299 | 34.521 | ng | 94     |
| 33) 4-Chloroaniline            | 11.01 | 127 | 67446  | 9.395  | ng | 95     |
| 34) Hexachlorobutadiene        | 11.18 | 225 | 224949 | 42.518 | ng | 98     |
| 35) Caprolactam                | 11.78 | 113 | 79474m | 37.325 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 12.14 | 107 | 322840 | 42.779 | ng | 99     |
| 37) 2-Methylnaphthalene        | 12.51 | 142 | 608812 | 45.798 | ng | 92     |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.87 | 216 | 398418 | 48.105 | ng | 98     |
| 40) Hexachlorocyclopentadiene  | 12.85 | 237 | 489258 | 75.439 | ng | 91     |

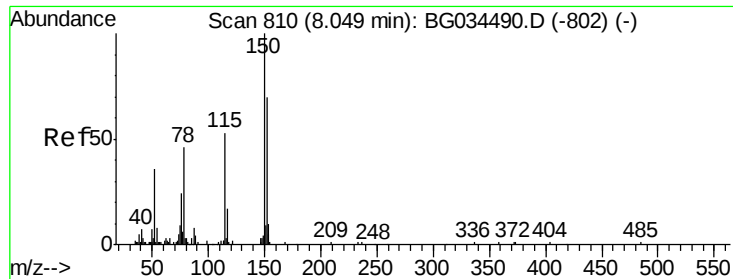
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri May 25 14:58:34 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 13.11 | 196  | 263019   | 51.046 | nq    | 99       |
| 43) 2,4,5-Trichlorophenol      | 13.19 | 196  | 279689   | 49.471 | nq    | 94       |
| 45) 1,1'-Biphenyl              | 13.51 | 154  | 824000   | 47.474 | nq    | 98       |
| 46) 2-Chloronaphthalene        | 13.56 | 162  | 656147   | 48.026 | nq    | 96       |
| 47) 2-Nitroaniline             | 13.76 | 65   | 221202   | 39.630 | nq    | 96       |
| 48) Acenaphthylene             | 14.40 | 152  | 976815   | 46.718 | nq    | 97       |
| 49) Dimethylphthalate          | 14.13 | 163  | 845344   | 44.440 | nq    | 98       |
| 50) 2,6-Dinitrotoluene         | 14.26 | 165  | 190409   | 48.812 | nq #  | 86       |
| 51) Acenaphthene               | 14.75 | 154  | 641448   | 47.322 | nq    | 90       |
| 52) 3-Nitroaniline             | 14.59 | 138  | 105524   | 29.268 | nq #  | 86       |
| 53) 2,4-Dinitrophenol          | 14.80 | 184  | 194995   | 75.980 | nq #  | 50       |
| 54) Dibenzofuran               | 15.08 | 168  | 1037018  | 46.640 | nq    | 96       |
| 55) 4-Nitrophenol              | 14.91 | 139  | 272423   | 85.984 | nq    | 90       |
| 56) 2,4-Dinitrotoluene         | 15.05 | 165  | 283612   | 48.979 | nq #  | 84       |
| 57) Fluorene                   | 15.73 | 166  | 823871   | 47.476 | nq    | 95       |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.31 | 232  | 300267   | 48.686 | nq #  | 88       |
| 59) Diethylphthalate           | 15.50 | 149  | 821840   | 41.543 | nq    | 97       |
| 60) 4-Chlorophenyl-phenylether | 15.72 | 204  | 479620   | 46.542 | nq    | 92       |
| 61) 4-Nitroaniline             | 15.76 | 138  | 187061   | 45.767 | nq    | 89       |
| 62) Azobenzene                 | 16.01 | 77   | 837845   | 39.896 | nq    | 94       |
| 64) 4,6-Dinitro-2-methylphenol | 15.81 | 198  | 158222   | 42.423 | nq    | 79       |
| 65) n-Nitrosodiphenylamine     | 15.94 | 169  | 796183   | 46.812 | nq    | 95       |
| 66) 4-Bromophenyl-phenylether  | 16.62 | 248  | 365581   | 47.761 | nq    | 97       |
| 67) Hexachlorobenzene          | 16.74 | 284  | 387184   | 45.776 | nq #  | 92       |
| 68) Atrazine                   | 16.89 | 200  | 341116   | 45.255 | nq    | 99       |
| 69) Pentachlorophenol          | 17.09 | 266  | 462372   | 90.646 | nq    | 98       |
| 70) Phenanthrene               | 17.48 | 178  | 1433960  | 45.266 | nq    | 97       |
| 71) Anthracene                 | 17.57 | 178  | 1458525  | 45.438 | nq    | 98       |
| 72) Carbazole                  | 17.84 | 167  | 1266605  | 47.680 | nq    | 99       |
| 73) Di-n-butylphthalate        | 18.39 | 149  | 1424217  | 43.303 | nq #  | 98       |
| 74) Fluoranthene               | 19.49 | 202  | 1815295  | 46.627 | nq    | 95       |
| 76) Benzidine                  | 19.67 | 184  | 540793   | 29.890 | nq    | 97       |
| 77) Pyrene                     | 19.85 | 202  | 1831521  | 42.449 | nq    | 96       |
| 79) Butylbenzylphthalate       | 20.74 | 149  | 696189   | 41.848 | nq #  | 96       |
| 80) Benzo(a)anthracene         | 21.70 | 228  | 1970542  | 43.995 | nq    | 98       |
| 81) 3,3'-Dichlorobenzidine     | 21.62 | 252  | 509191   | 29.229 | nq #  | 97       |
| 82) Chrysene                   | 21.77 | 228  | 1882863  | 45.836 | nq    | 96       |
| 83) Bis(2-ethylhexyl)phthalate | 21.61 | 149  | 974532   | 43.133 | nq #  | 97       |
| 84) Di-n-octyl phthalate       | 22.84 | 149  | 1672630  | 44.226 | nq #  | 93       |
| 85) Indeno(1,2,3-cd)pyrene     | 28.70 | 276  | 2450793  | 46.629 | nq #  | 76       |
| 87) Benzo(b)fluoranthene       | 23.95 | 252  | 2130523  | 43.970 | nq #  | 97       |
| 88) Benzo(k)fluoranthene       | 24.02 | 252  | 2047364  | 44.481 | nq #  | 97       |
| 89) Benzo(a)pyrene             | 24.83 | 252  | 2064046  | 44.880 | nq #  | 95       |
| 90) Dibenzo(a,h)anthracene     | 28.77 | 278  | 2049377  | 44.936 | nq #  | 94       |
| 91) Benzo(g,h,i)perylene       | 29.87 | 276  | 2051829  | 44.755 | nq #  | 92       |

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

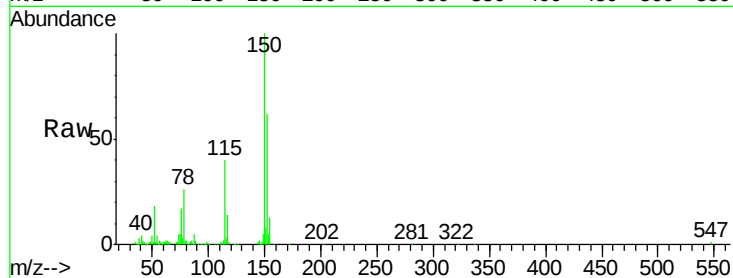




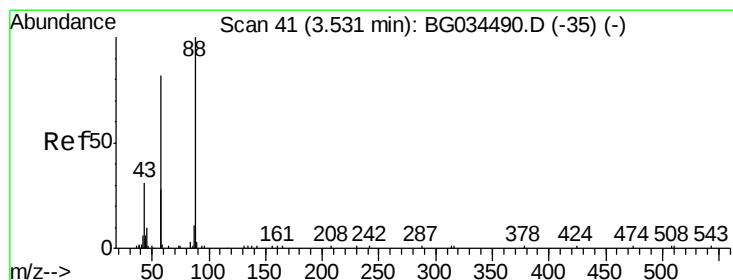
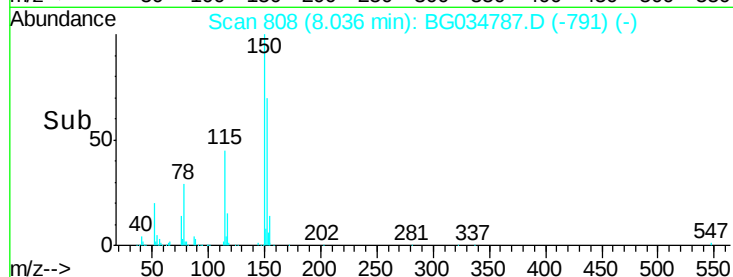
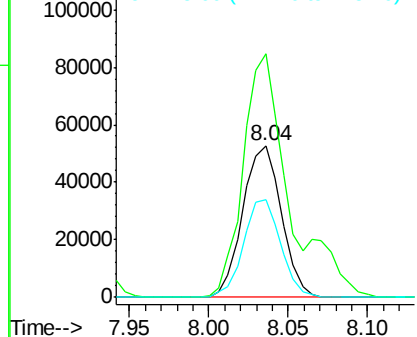
#1

1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 8.04 min Scan# 808  
 Delta R.T. 0.00 min  
 Lab File: BG034787.D  
 Acq: 29 May 2018 21:31

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 160.5 | 126.6 | 189.8 |
| 115     | 64.6  | 53.0  | 79.4  |



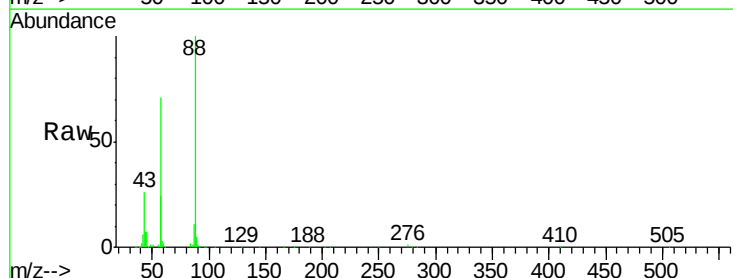
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



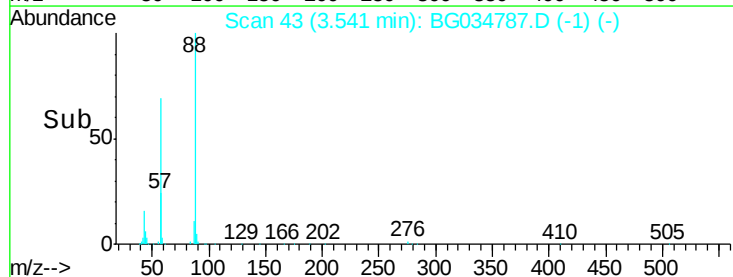
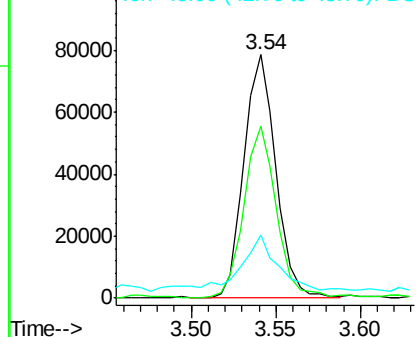
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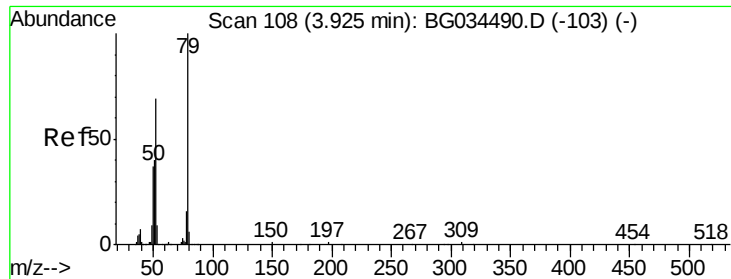
1,4-Dioxane  
 Concen: 43.572 ng  
 RT: 3.54 min Scan# 43  
 Delta R.T. 0.01 min  
 Lab File: BG034787.D  
 Acq: 29 May 2018 21:31

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 88      | 100   |       |        |
| 58      | 71.6  | 79.6  | 119.4# |
| 43      | 24.9  | 27.4  | 41.0#  |



Abundance Ion 88.00 (87.70 to 88.70): BGC  
 Ion 58.00 (57.70 to 58.70): BGC  
 Ion 43.00 (42.70 to 43.70): BGC





#3

Pvridine

Concen: 32.089 ng

RT: 3.93 min Scan# 110

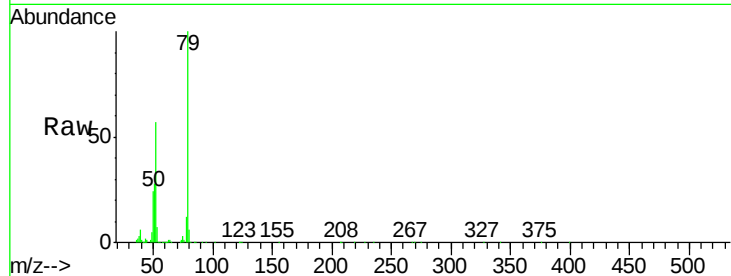
Delta R.T. 0.01 min

Lab File: BG034787.D

Acq: 29 May 2018 21:31

Tot Ion: 79 Resp: 245750

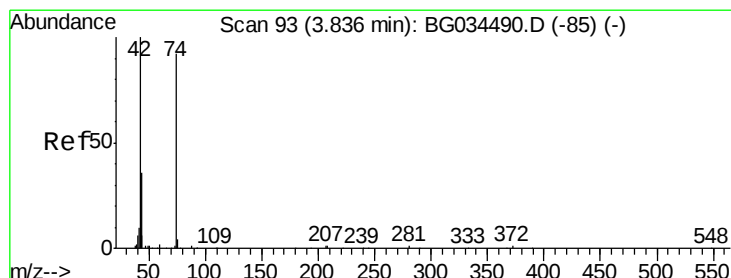
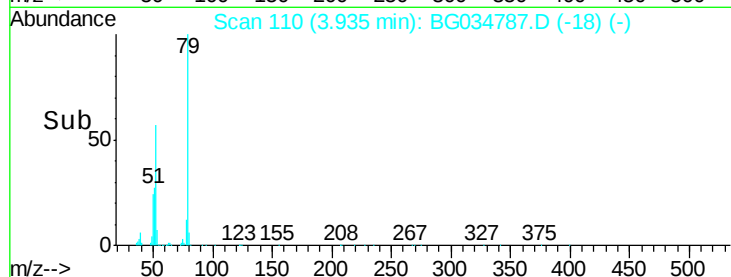
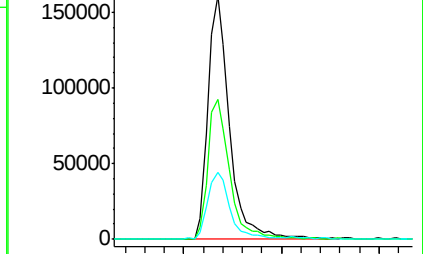
| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 79  | 100   |       |        |
| 52  | 57.3  | 69.9  | 104.9# |
| 51  | 27.6  | 34.0  | 51.0#  |



Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 52.00 (51.70 to 52.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#4

n-Nitrosodimethylamine

Concen: 24.194 ng

RT: 3.84 min Scan# 94

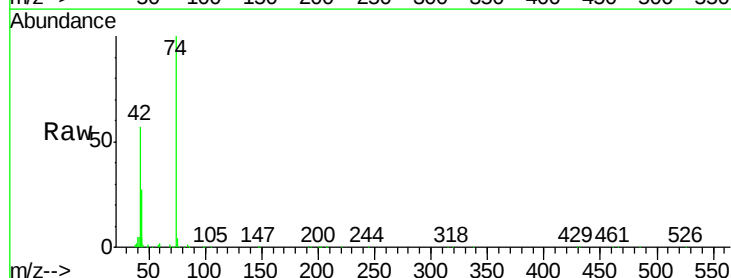
Delta R.T. 0.00 min

Lab File: BG034787.D

Acq: 29 May 2018 21:31

Tgt Ion: 42 Resp: 108373

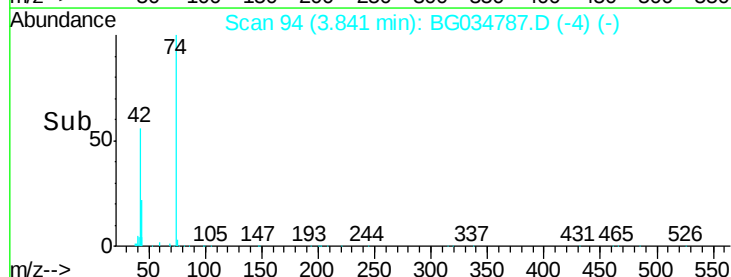
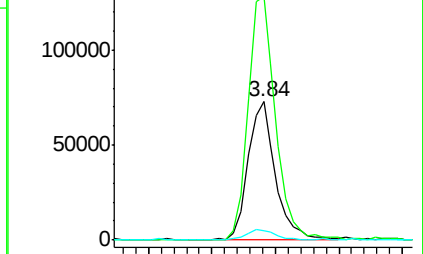
| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 42  | 100   |       |        |
| 74  | 175.8 | 102.5 | 153.7# |
| 44  | 7.1   | 18.9  | 28.3#  |

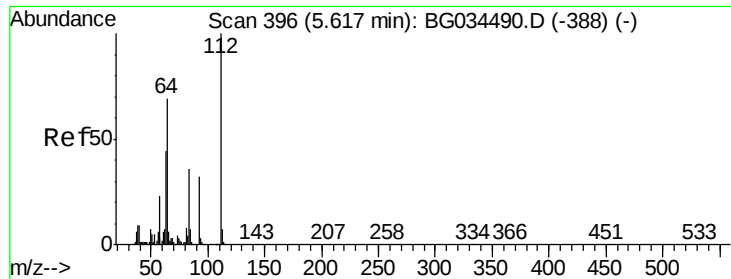


Abundance Ion 42.00 (41.70 to 42.70): BGC

Ion 74.00 (73.70 to 74.70): BGC

Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 123.276 ng

RT: 5.61 min Scan# 396

Delta R.T. 0.00 min

Lab File: BG034787.D

Acq: 29 May 2018 21:31

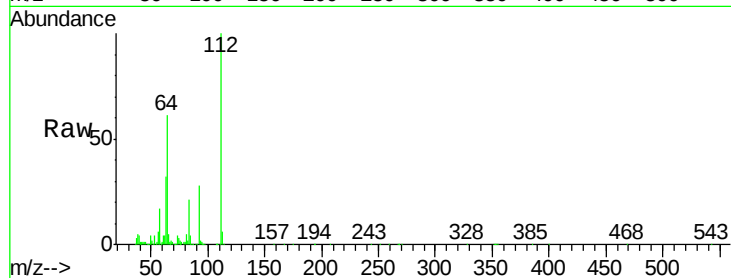
Tot Ion: 112 Resp: 712703

Ion Ratio Lower Upper

112 100

64 60.5 56.3 84.5

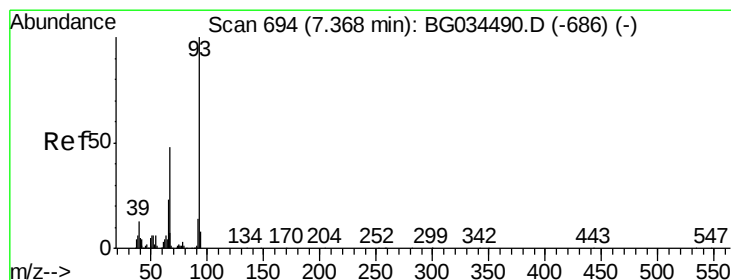
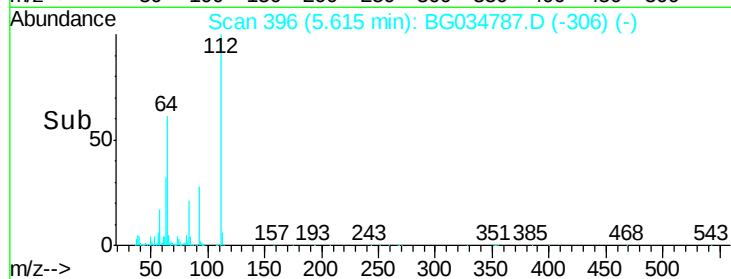
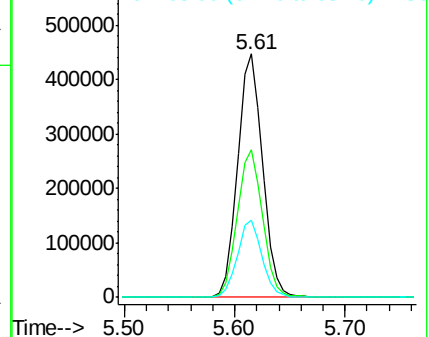
63 31.8 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): B

Ion 63.00 (62.70 to 63.70): B



#6

Aniline

Concen: 22.943 ng

RT: 7.36 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG034787.D

Acq: 29 May 2018 21:31

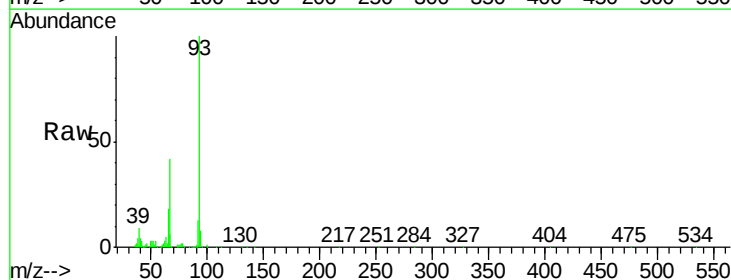
Tgt Ion: 93 Resp: 280103

Ion Ratio Lower Upper

93 100

66 41.6 33.7 50.5

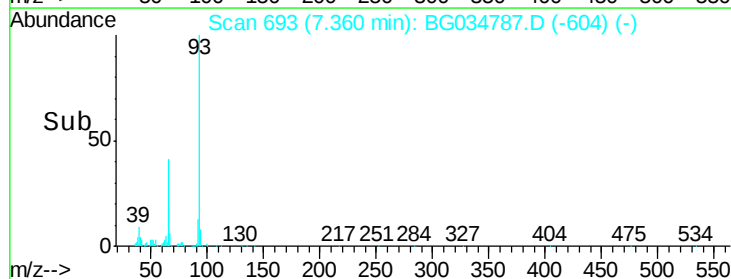
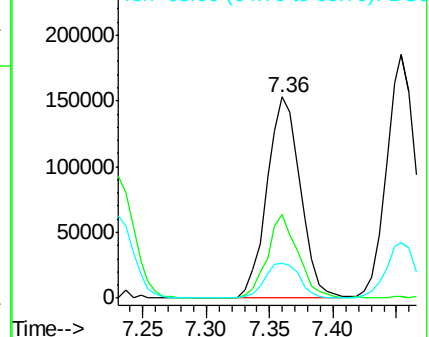
65 17.6 16.1 24.1



Abundance Ion 93.00 (92.70 to 93.70): B

Ion 66.00 (65.70 to 66.70): B

Ion 65.00 (64.70 to 65.70): B





#7

Phenol-d6

Concen: 102.517 ng

RT: 7.21 min Scan# 667

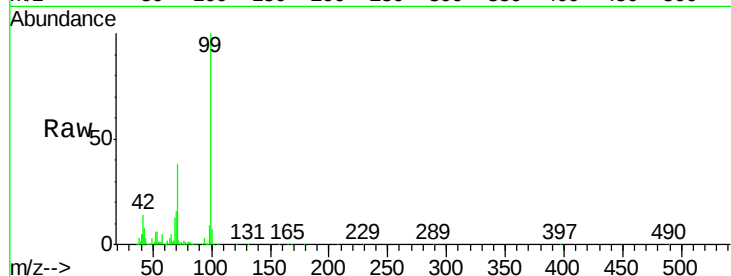
Delta R.T. 0.00 min

Lab File: BG034787.D

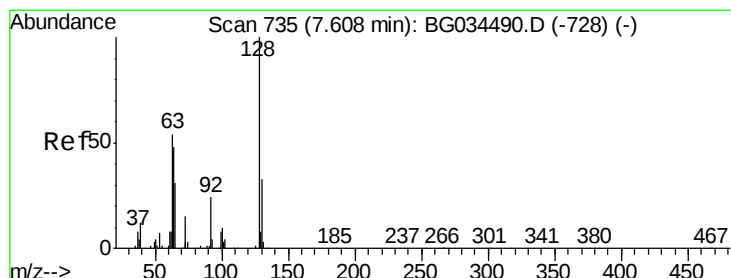
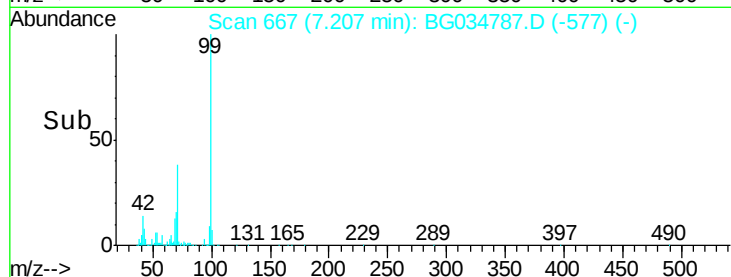
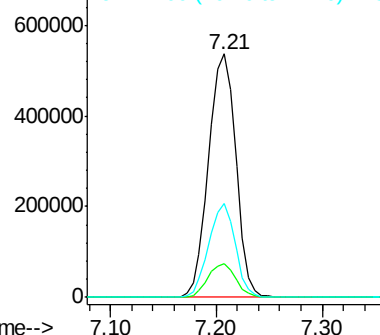
Acq: 29 May 2018 21:31

Tot Ion: 99 Resp: 958778

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 14.0  | 14.1  | 21.1# |
| 71  | 38.4  | 26.1  | 39.1  |



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



#8

2-Chlorophenol

Concen: 43.209 ng

RT: 7.60 min Scan# 734

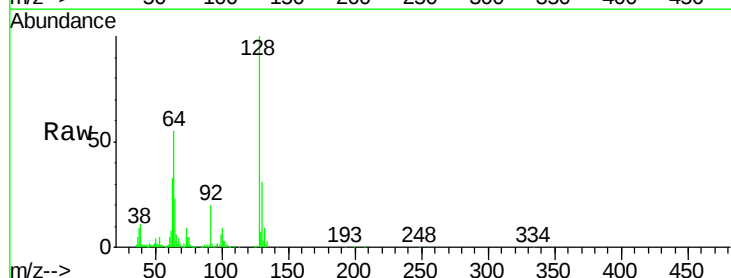
Delta R.T. -0.01 min

Lab File: BG034787.D

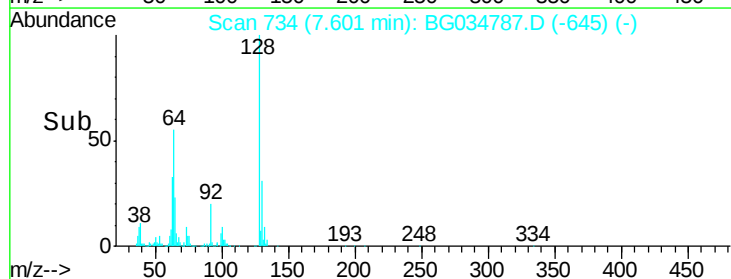
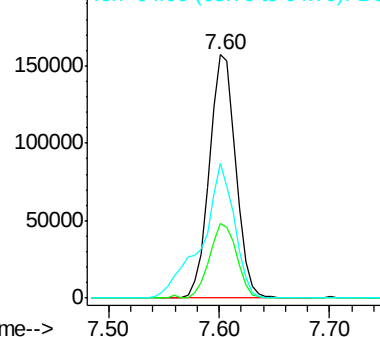
Acq: 29 May 2018 21:31

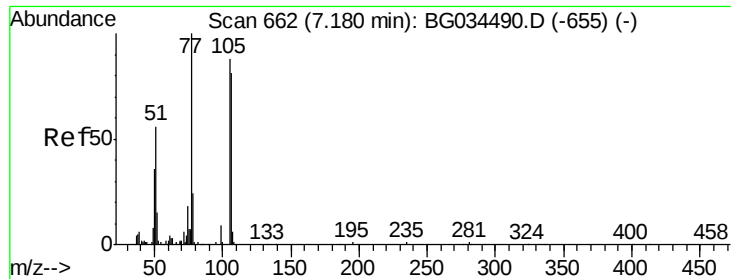
Tgt Ion: 128 Resp: 264174

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 130 | 30.6  | 14.0  | 54.0  |
| 64  | 55.4  | 37.7  | 77.7  |



Abundance Ion 128.00 (127.70 to 128.70): BGC  
Ion 130.00 (129.70 to 130.70): BGC  
Ion 64.00 (63.70 to 64.70): BGC





#9

Benzaldehyde

Concen: 9.661 ng

RT: 7.17 min Scan# 661

Delta R.T. -0.01 min

Lab File: BG034787.D

Acq: 29 May 2018 21:31

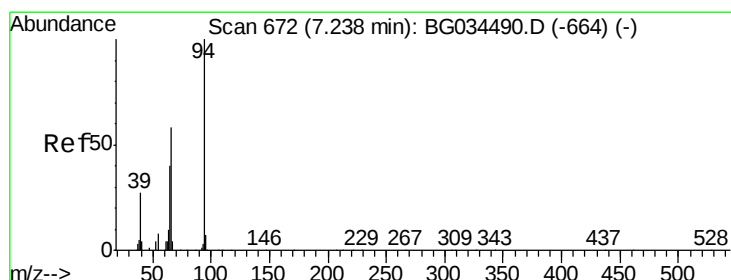
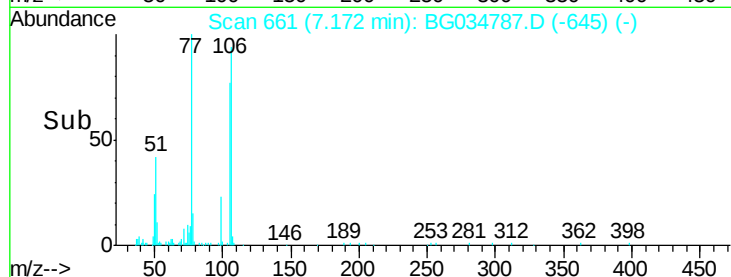
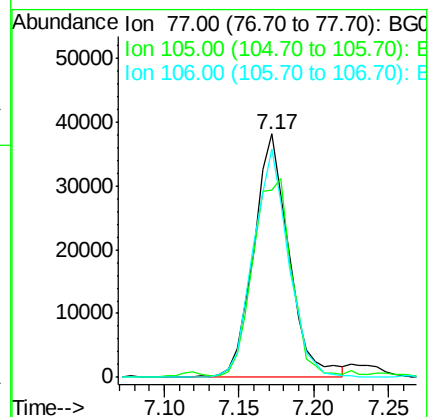
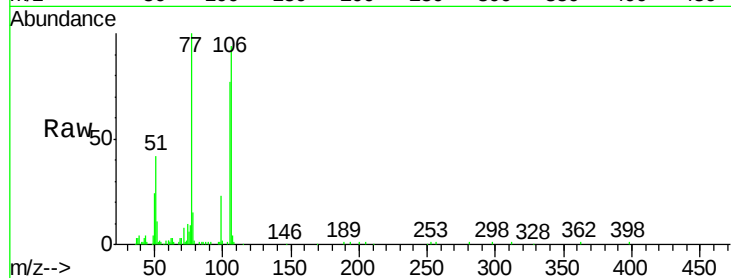
Tot Ion: 77 Resp: 62430

Ion Ratio Lower Upper

77 100

105 76.9 71.3 111.3

106 93.9 64.2 104.2



#10

Phenol

Concen: 36.477 ng

RT: 7.23 min Scan# 671

Delta R.T. -0.01 min

Lab File: BG034787.D

Acq: 29 May 2018 21:31

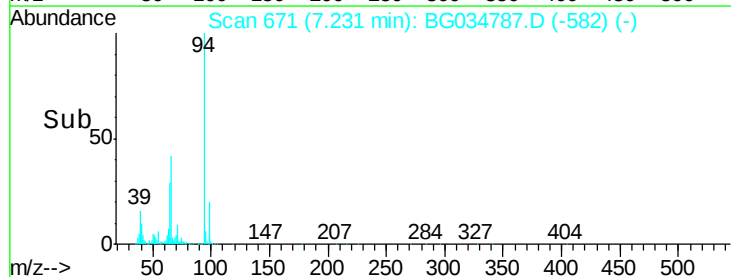
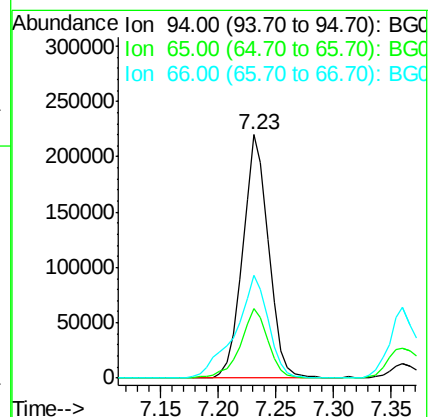
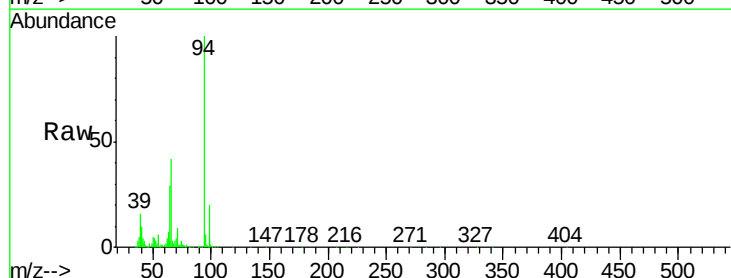
Tgt Ion: 94 Resp: 340228

Ion Ratio Lower Upper

94 100

65 28.6 11.9 51.9

66 42.3 22.2 62.2





#11

bis(2-Chloroethyl)ether

Concen: 41.798 ng

RT: 7.45 min Scan# 709

Delta R.T. -0.01 min

Lab File: BG034787.D

Acq: 29 May 2018 21:31

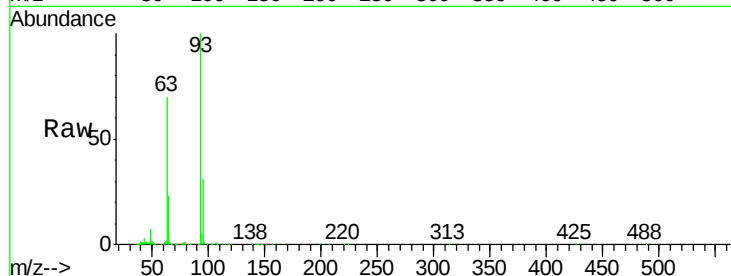
Tot Ion: 93 Resp: 294516

Ion Ratio Lower Upper

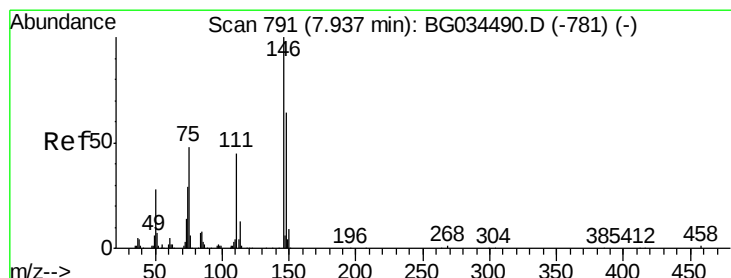
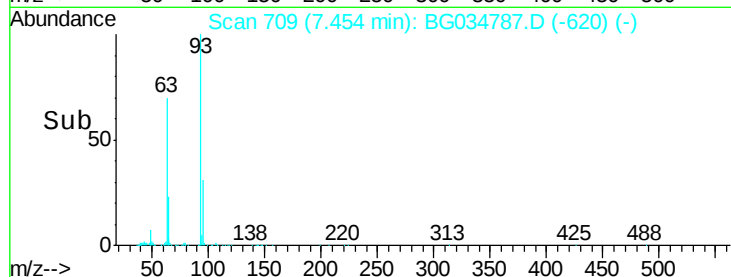
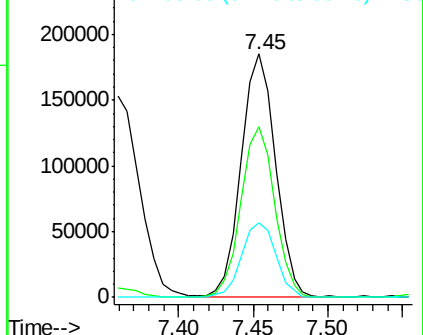
93 100

63 70.2 67.1 107.1

95 30.5 11.5 51.5



Abundance Ion 93.00 (92.70 to 93.70): BGC  
Ion 63.00 (62.70 to 63.70): BGC  
Ion 95.00 (94.70 to 95.70): BGC



#12

1,3-Dichlorobenzene

Concen: 42.301 ng

RT: 7.92 min Scan# 789

Delta R.T. -0.01 min

Lab File: BG034787.D

Acq: 29 May 2018 21:31

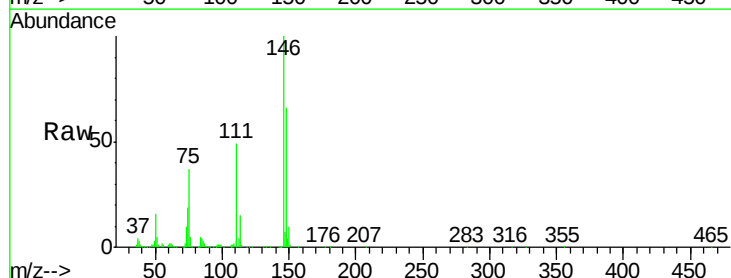
Tgt Ion: 146 Resp: 304350

Ion Ratio Lower Upper

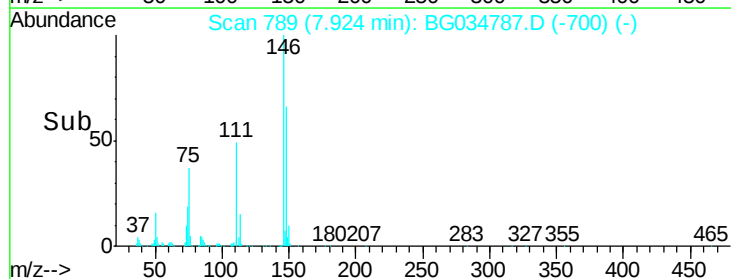
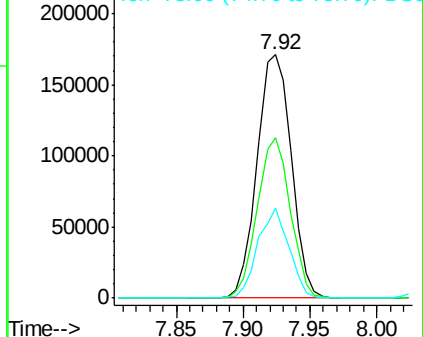
146 100

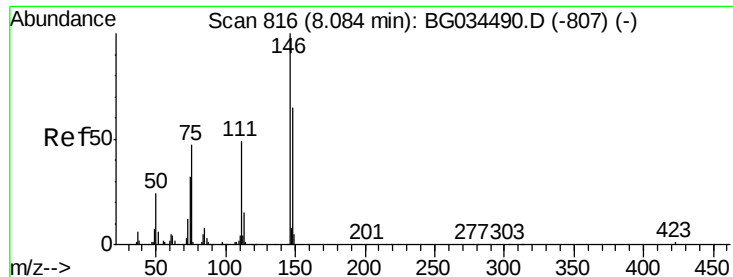
148 65.7 51.4 77.2

75 36.7 26.6 39.8



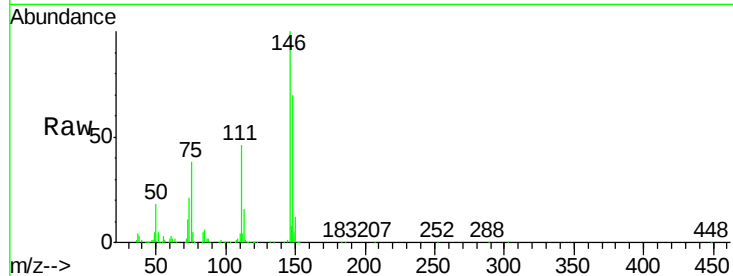
Abundance Ion 146.00 (145.70 to 146.70): BGC  
Ion 148.00 (147.70 to 148.70): BGC  
Ion 75.00 (74.70 to 75.70): BGC



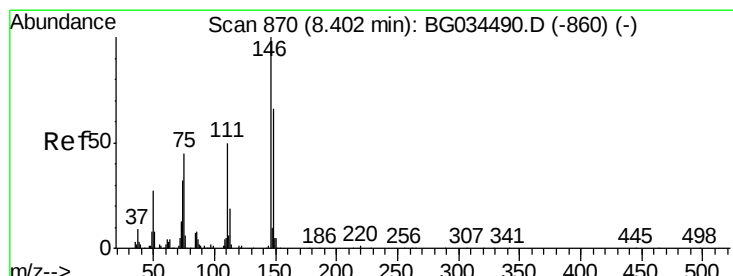
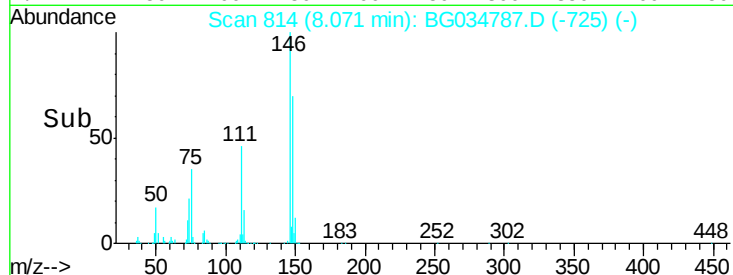
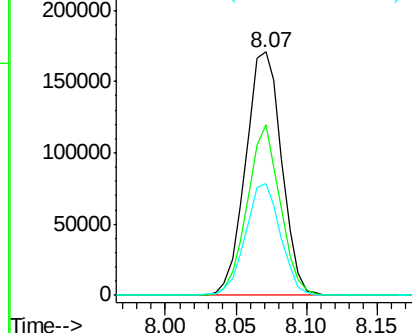


#13  
1,4-Dichlorobenzene  
Concen: 41.651 ng  
RT: 8.07 min Scan# 814  
Delta R.T. -0.01 min  
Lab File: BG034787.D  
Acq: 29 May 2018 21:31

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 70.0  | 53.7  | 80.5  |
| 111     | 46.1  | 35.2  | 52.8  |

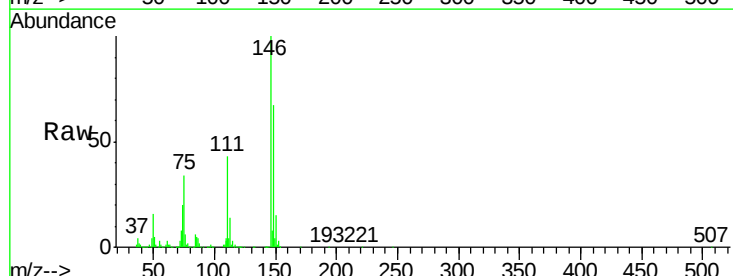


Abundance Ion 146.00 (145.70 to 146.70): E  
Ion 148.00 (147.70 to 148.70): E  
Ion 111.00 (110.70 to 111.70): E

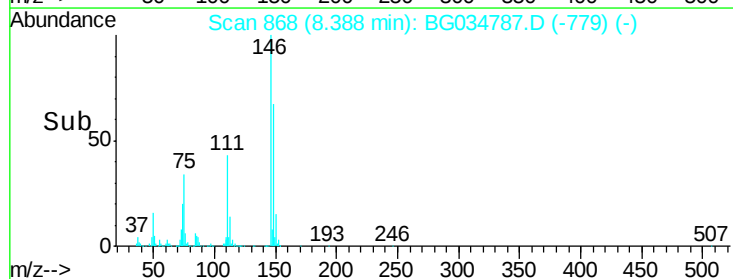
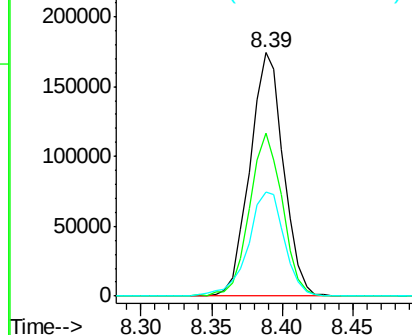


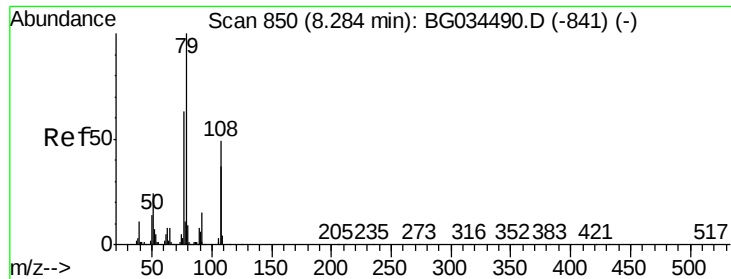
#14  
1,2-Dichlorobenzene  
Concen: 40.323 ng  
RT: 8.39 min Scan# 868  
Delta R.T. -0.01 min  
Lab File: BG034787.D  
Acq: 29 May 2018 21:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 67.2  | 49.3  | 73.9  |
| 111     | 43.0  | 34.3  | 51.5  |



Abundance Ion 146.00 (145.70 to 146.70): E  
Ion 148.00 (147.70 to 148.70): E  
Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 31.873 ng

RT: 8.28 min Scan# 849

Delta R.T. 0.00 min

Lab File: BG034787.D

Acq: 29 May 2018 21:31

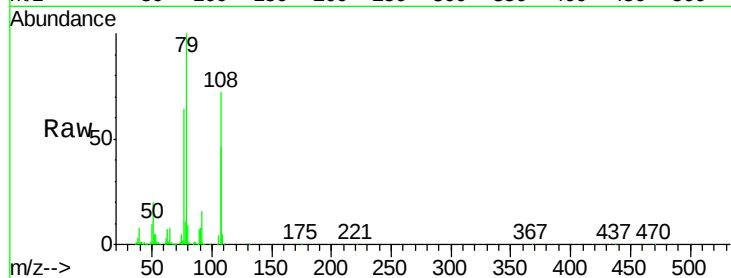
Tot Ion: 79 Resp: 305042

Ion Ratio Lower Upper

79 100

108 72.0 57.2 85.8

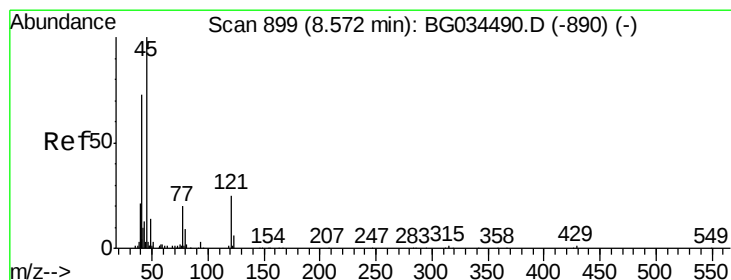
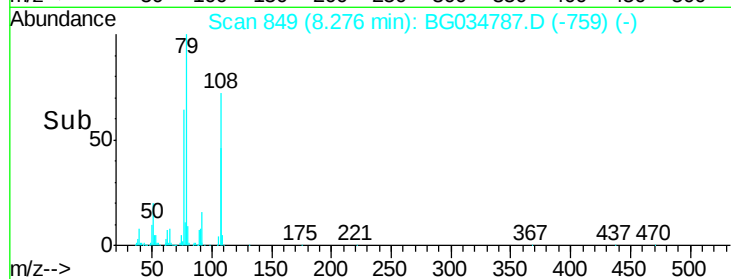
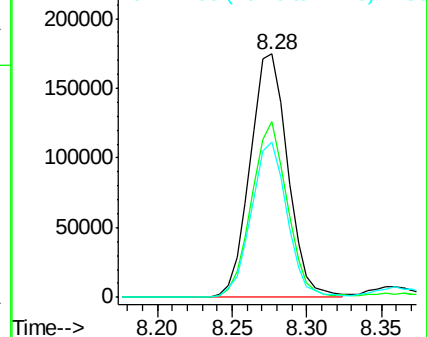
77 63.6 46.1 69.1



Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC



#16

2,2'-oxybis(1-Chloropropane)

Concen: 39.404 ng

RT: 8.56 min Scan# 897

Delta R.T. -0.01 min

Lab File: BG034787.D

Acq: 29 May 2018 21:31

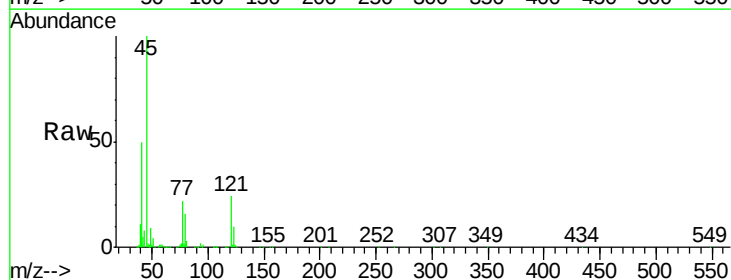
Tgt Ion: 45 Resp: 315118

Ion Ratio Lower Upper

45 100

77 21.5 0.0 30.2

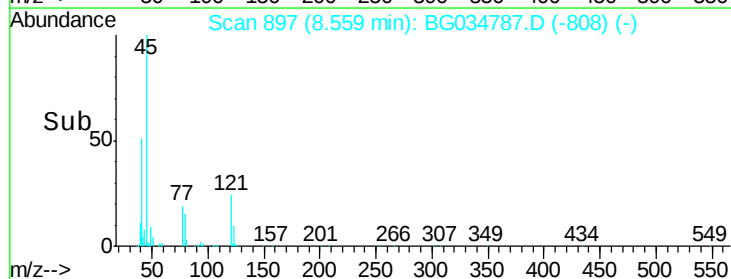
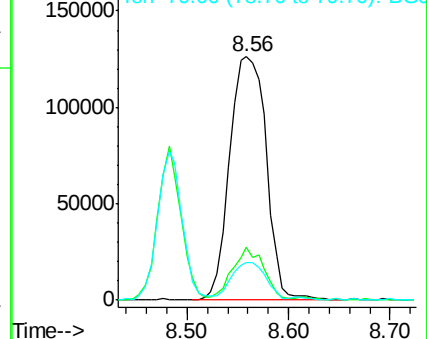
79 15.7 0.0 27.9

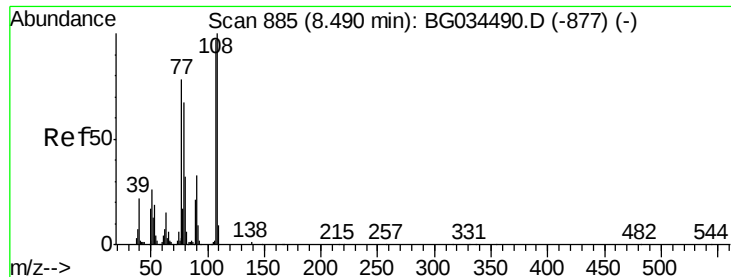


Abundance Ion 45.00 (44.70 to 45.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC





#17

2-Methylphenol

Concen: 38.705 ng

RT: 8.48 min Scan# 884

Delta R.T. -0.01 min

Lab File: BG034787.D

Acq: 29 May 2018 21:31

Tot Ion:107 Resp: 242519

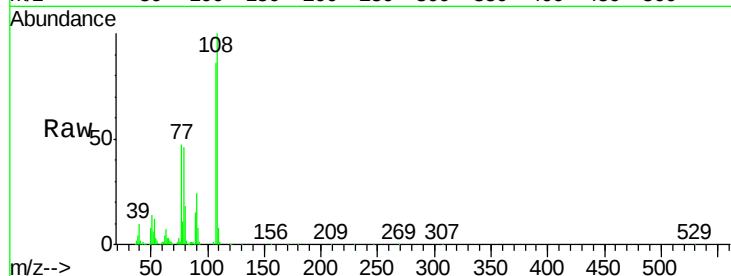
Ion Ratio Lower Upper

107 100

108 115.8 83.9 125.9

77 55.0 37.2 55.8

79 53.2 36.2 54.2

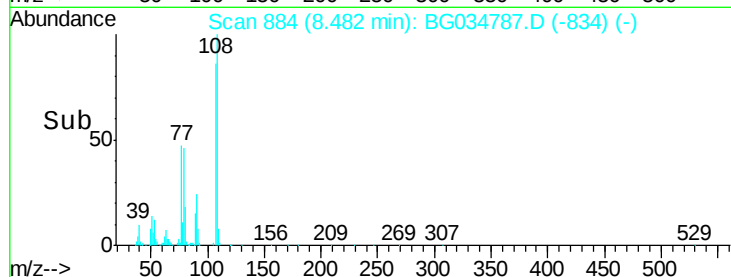


Abundance Ion 107.00 (106.70 to 107.70): E

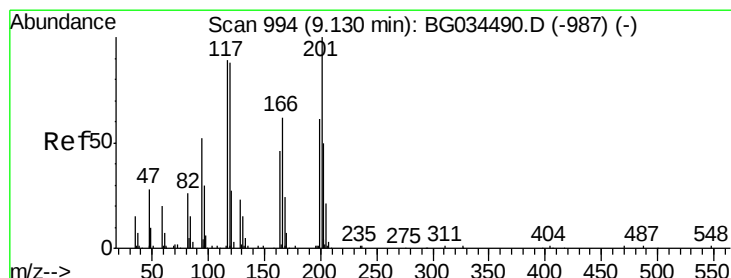
Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



Time-->



#18

Hexachloroethane

Concen: 36.415 ng

RT: 9.12 min Scan# 992

Delta R.T. -0.01 min

Lab File: BG034787.D

Acq: 29 May 2018 21:31

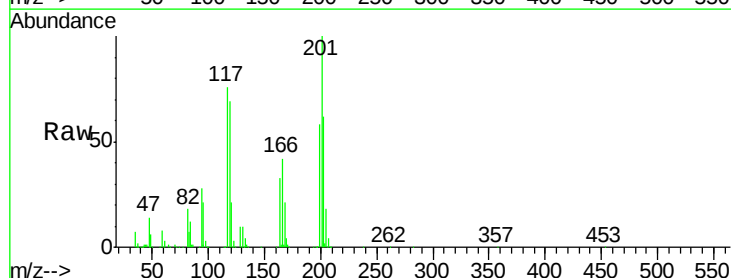
Tgt Ion:117 Resp: 112237

Ion Ratio Lower Upper

117 100

119 91.3 76.7 115.1

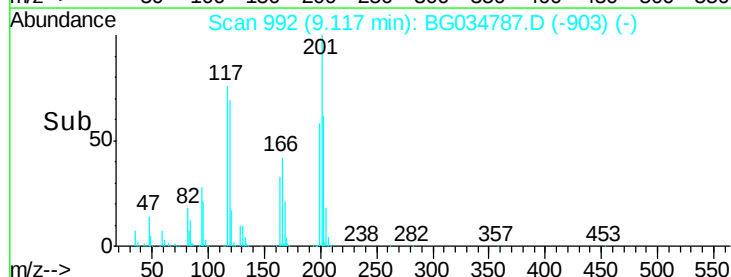
201 131.6 95.7 143.5



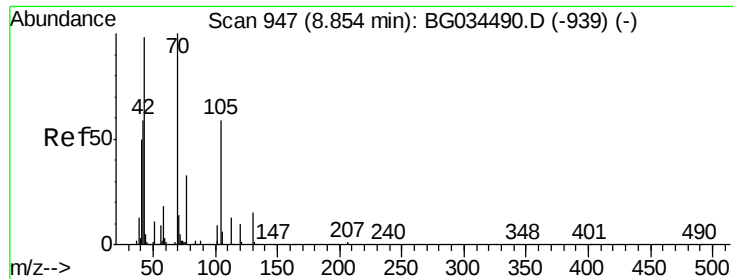
Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

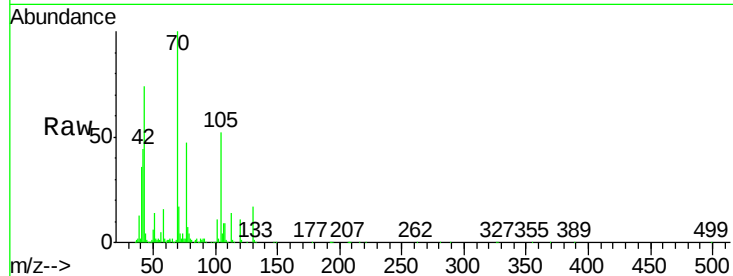


Time-->



#19  
n-Nitroso-di-n-propylamine  
Concen: 32.152 ng  
RT: 8.84 min Scan# 945  
Delta R.T. -0.01 min  
Lab File: BG034787.D  
Acq: 29 May 2018 21:31

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 70      | 100  |       |       |       |
| 42      | 44.2 | 49.1  | 73.7# |       |
| 101     | 11.0 | 8.5   | 12.7  |       |
| 130     | 17.5 | 13.4  | 20.0  |       |



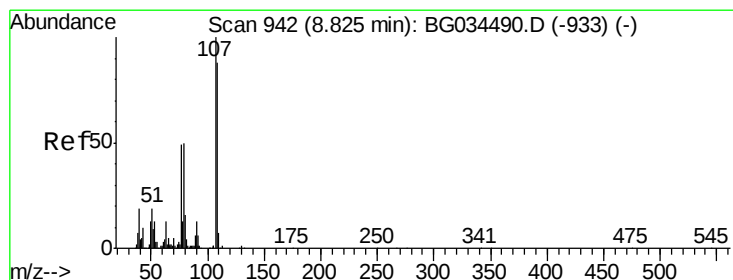
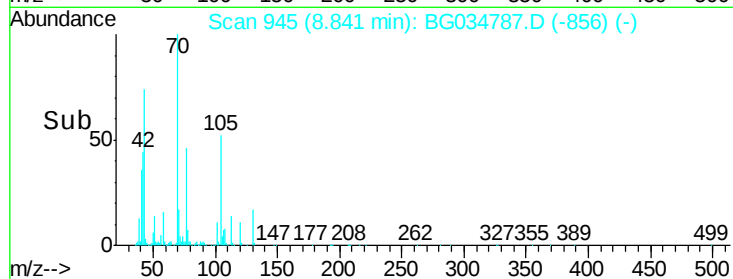
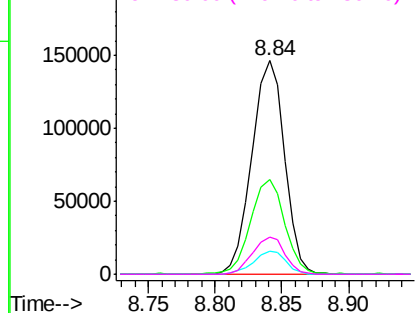
Abundance

Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

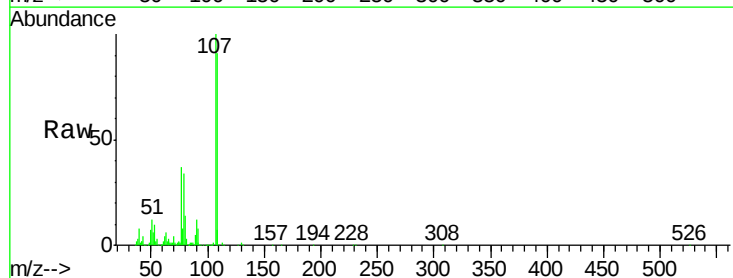
Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC



#20  
3+4-Methylphenols  
Concen: 36.754 ng  
RT: 8.81 min Scan# 940  
Delta R.T. -0.01 min  
Lab File: BG034787.D  
Acq: 29 May 2018 21:31

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 107     | 100  |       |       |       |
| 108     | 90.7 | 61.6  | 101.6 |       |
| 77      | 37.1 | 13.9  | 53.9  |       |
| 79      | 33.8 | 8.8   | 48.8  |       |



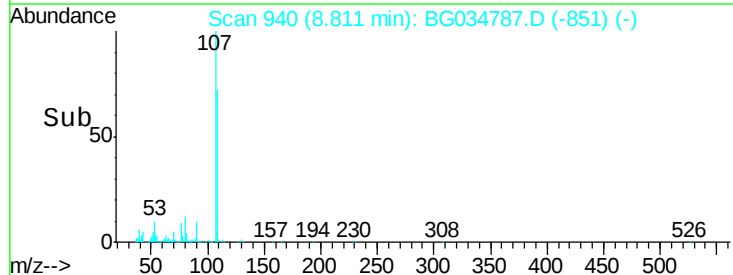
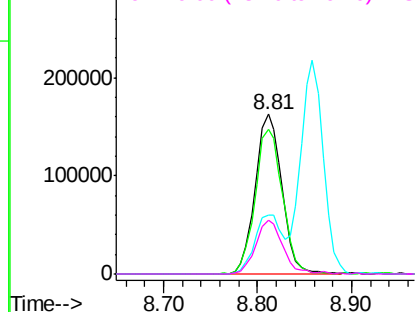
Abundance

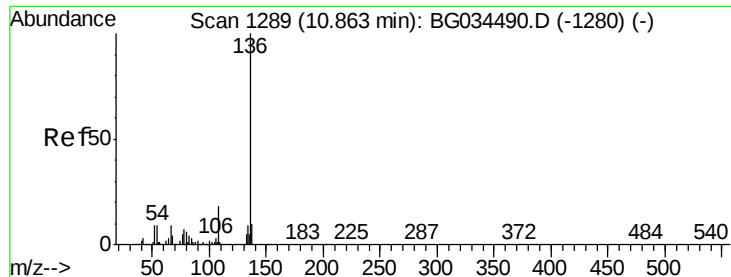
Ion 107.00 (106.70 to 107.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.85 min Scan# 1287

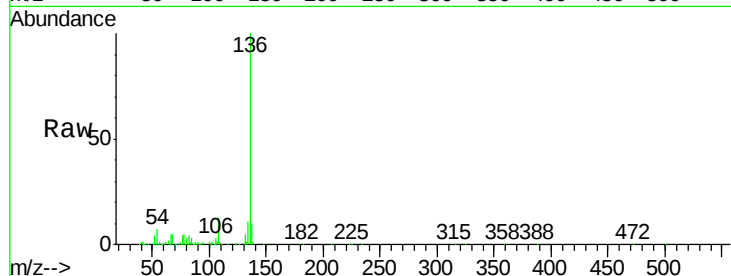
Delta R.T. -0.01 min

Lab File: BG034787.D

Acq: 29 May 2018 21:31

Tot Ion:136 Resp: 316593

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.0  | 9.2   | 13.8  |
| 54  | 7.5   | 10.3  | 15.5# |
| 68  | 4.9   | 4.5   | 6.7   |

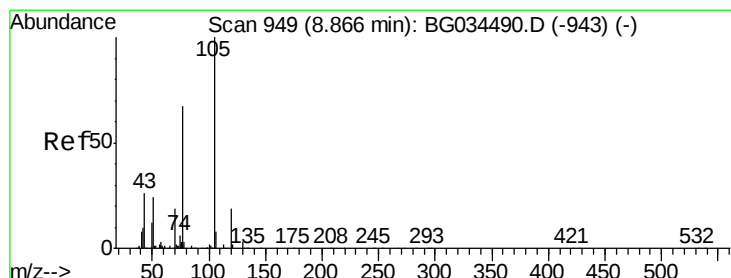
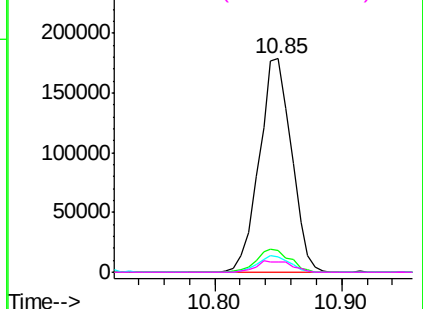
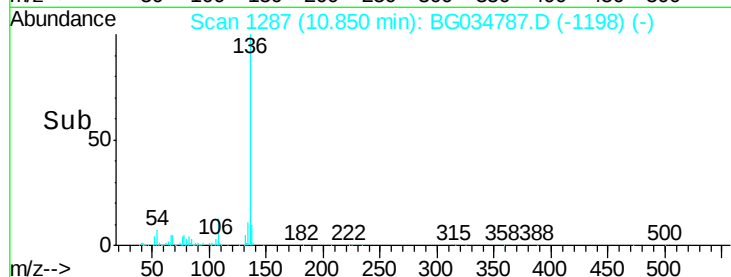


Abundance Ion 136.00 (135.70 to 136.70): E

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



#22

Acetophenone

Concen: 44.197 ng

RT: 8.86 min Scan# 948

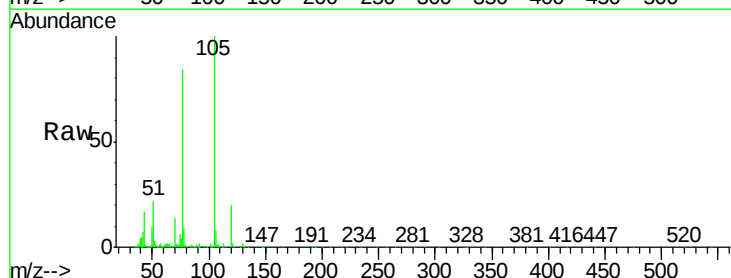
Delta R.T. -0.01 min

Lab File: BG034787.D

Acq: 29 May 2018 21:31

Tgt Ion:105 Resp: 447022

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 105 | 100   |       |       |
| 71  | 1.9   | 3.0   | 4.4#  |
| 51  | 22.0  | 26.1  | 39.1# |
| 120 | 19.7  | 17.4  | 26.2  |

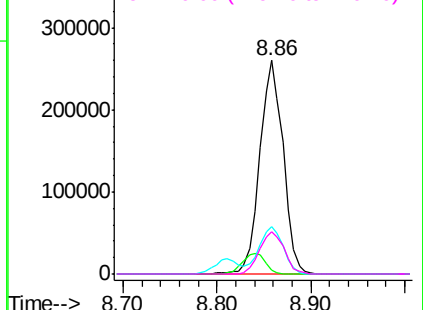
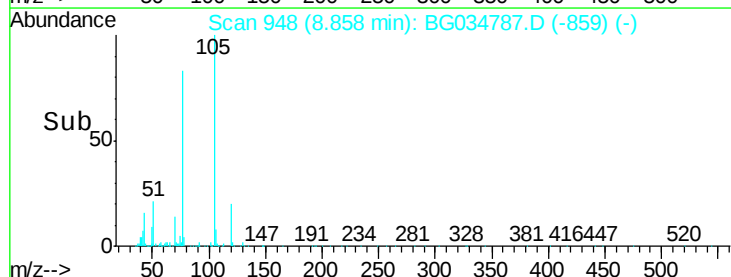


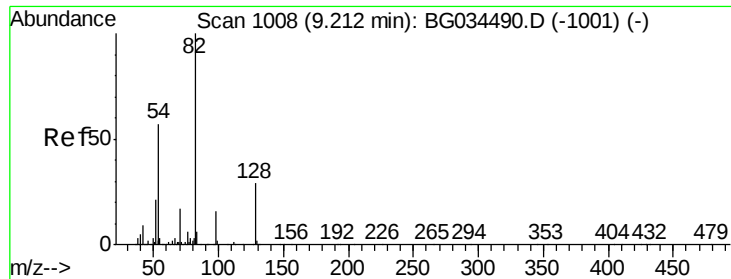
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

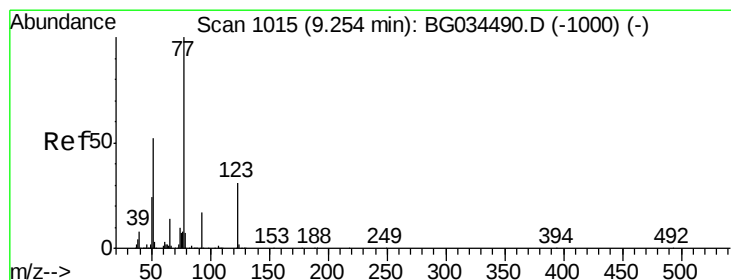
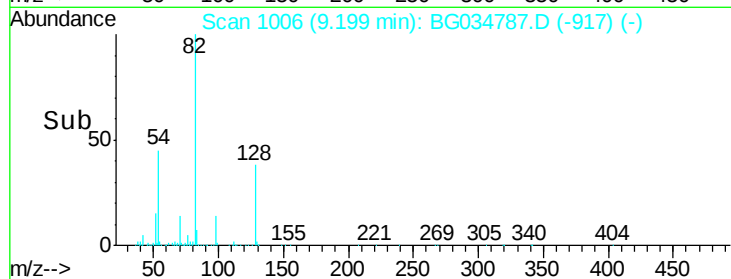
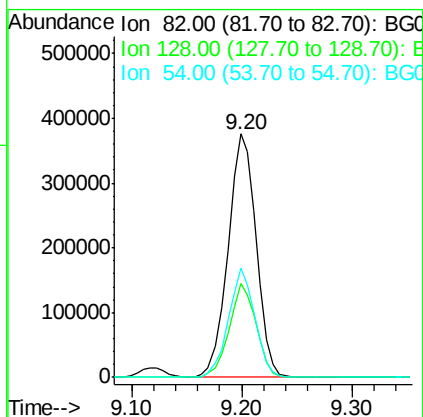
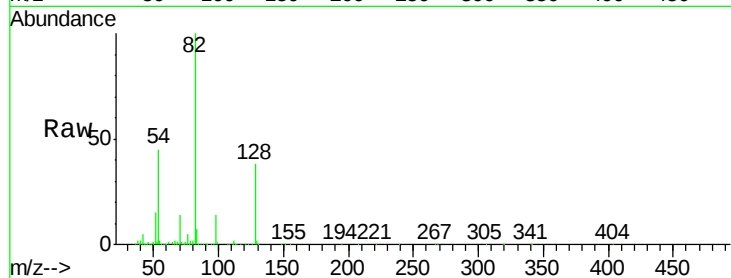
Ion 120.00 (119.70 to 120.70): E





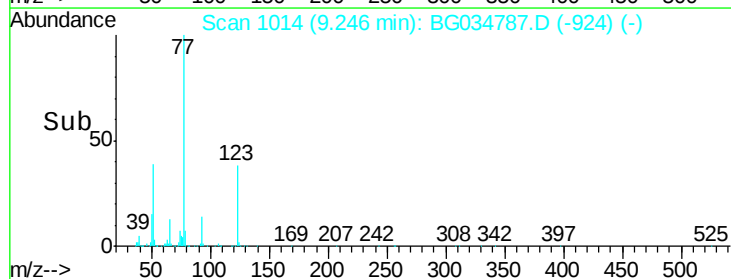
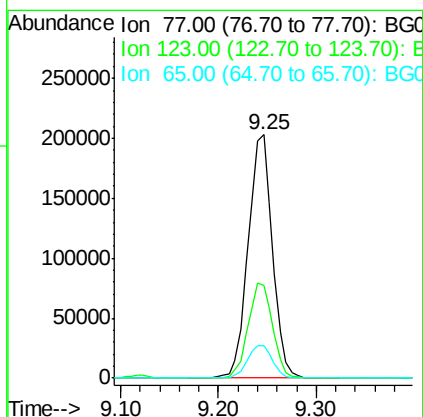
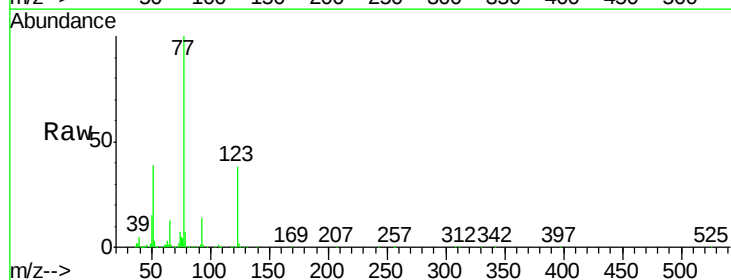
#23  
 Nitrobenzene-d5  
 Concen: 80.535 ng  
 RT: 9.20 min Scan# 1006  
 Delta R.T. -0.01 min  
 Lab File: BG034787.D  
 Acq: 29 May 2018 21:31

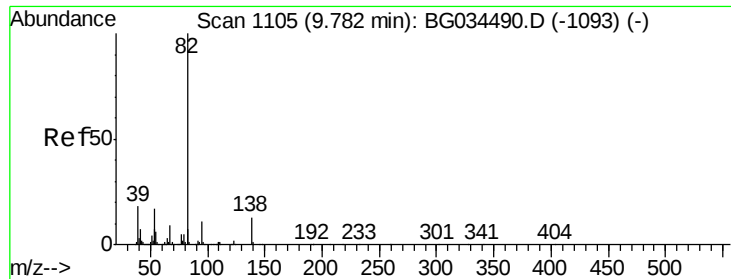
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 38.4  | 29.7  | 44.5  |
| 54      | 45.0  | 43.1  | 64.7  |



#24  
 Nitrobenzene  
 Concen: 41.226 ng  
 RT: 9.25 min Scan# 1014  
 Delta R.T. 0.00 min  
 Lab File: BG034787.D  
 Acq: 29 May 2018 21:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 38.2  | 33.0  | 49.6  |
| 65      | 13.4  | 13.0  | 19.6  |





#25

Isophorone

Concen: 40.929 ng

RT: 9.76 min Scan# 1102

Delta R.T. -0.01 min

Lab File: BG034787.D

Acq: 29 May 2018 21:31

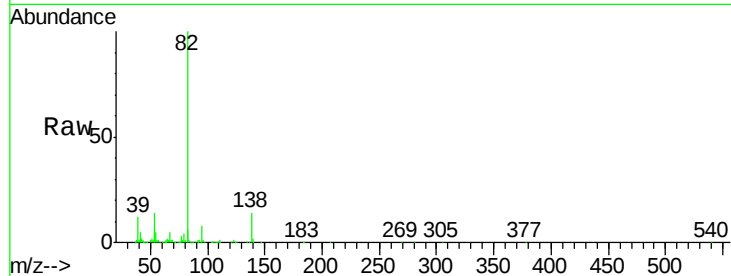
Tot Ion: 82 Resp: 657501

Ion Ratio Lower Upper

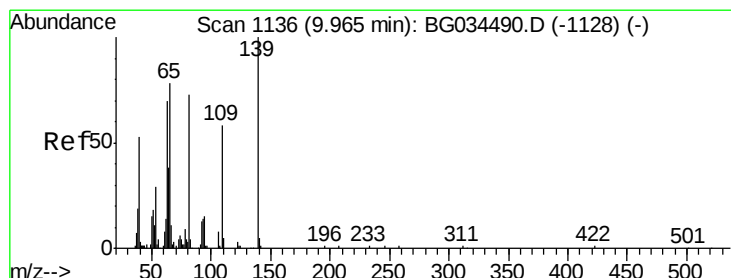
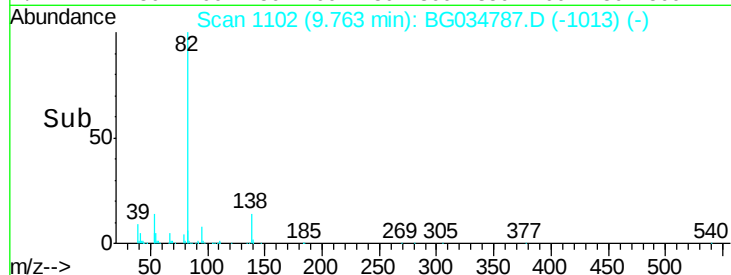
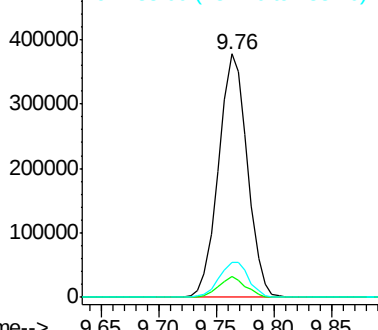
82 100

95 8.4 6.2 9.2

138 14.3 12.1 18.1



Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 95.00 (94.70 to 95.70): BGC  
Ion 138.00 (137.70 to 138.70): BGC



#26

2-Nitrophenol

Concen: 49.572 ng

RT: 9.96 min Scan# 1135

Delta R.T. 0.00 min

Lab File: BG034787.D

Acq: 29 May 2018 21:31

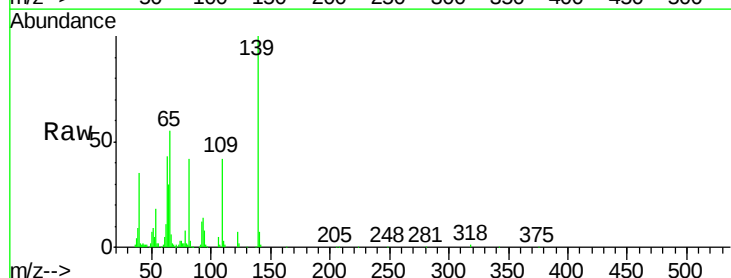
Tgt Ion: 139 Resp: 152269

Ion Ratio Lower Upper

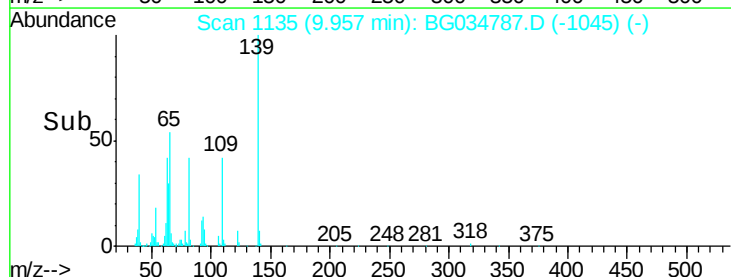
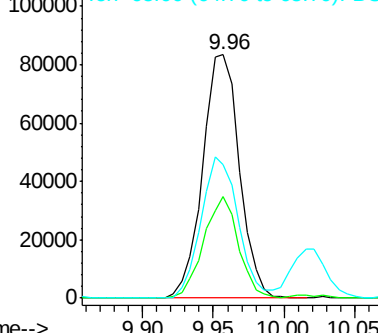
139 100

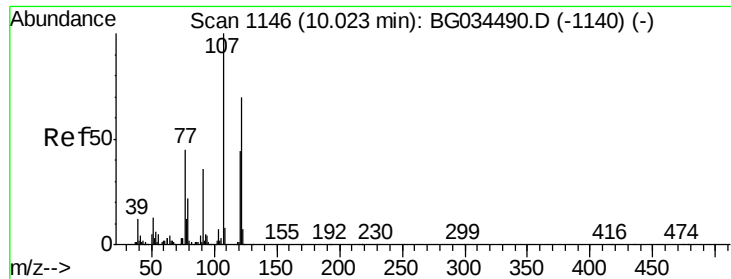
109 41.5 24.2 36.2#

65 54.8 47.4 71.0



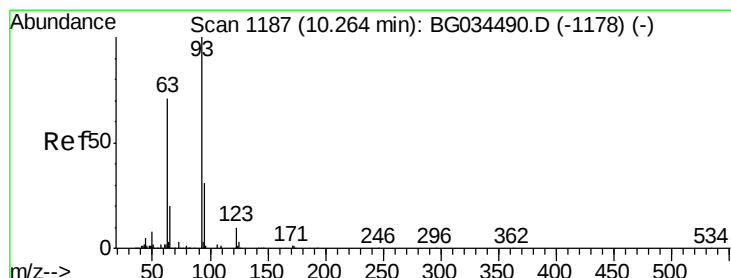
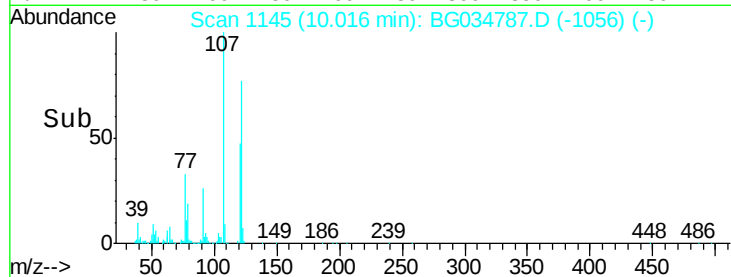
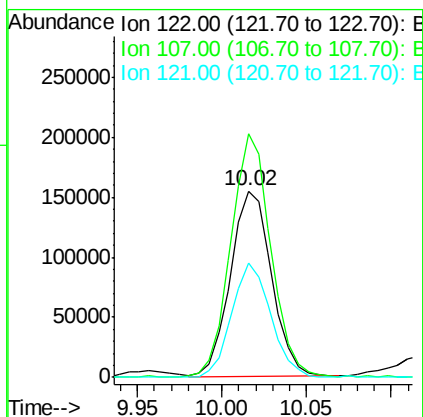
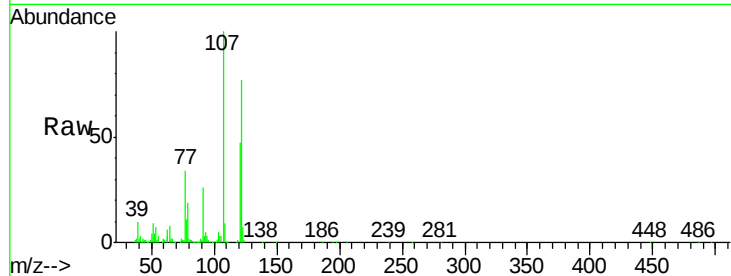
Abundance Ion 139.00 (138.70 to 139.70): BGC  
Ion 109.00 (108.70 to 109.70): BGC  
Ion 65.00 (64.70 to 65.70): BGC





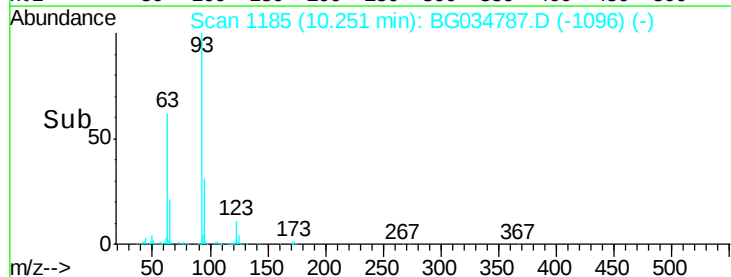
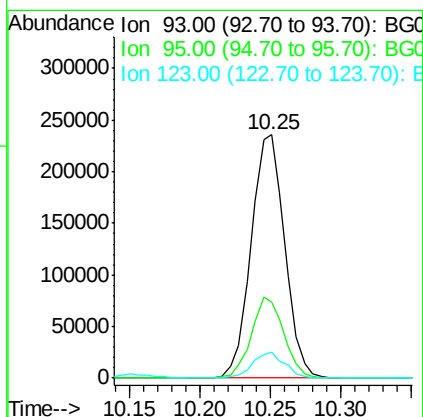
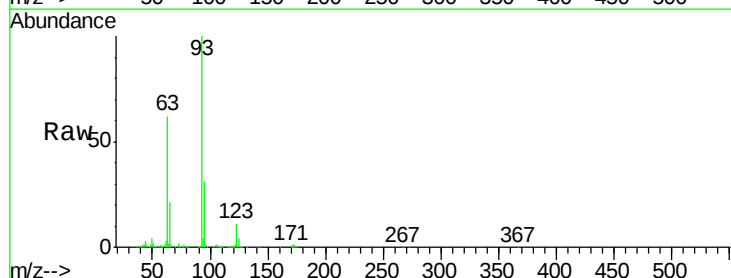
#27  
 2,4-Dimethylphenol  
 Concen: 48.748 ng  
 RT: 10.02 min Scan# 1145  
 Delta R.T. -0.01 min  
 Lab File: BG034787.D  
 Acq: 29 May 2018 21:31

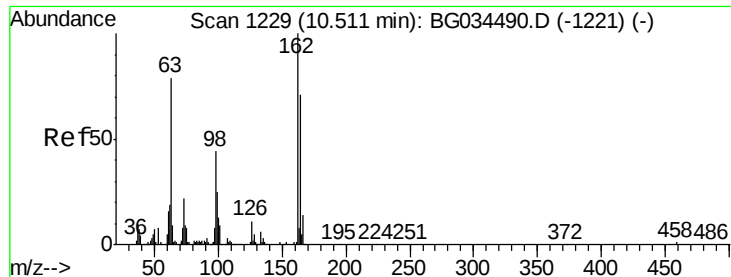
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 130.5 | 100.2 | 150.2 |
| 121     | 61.5  | 44.4  | 66.6  |



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 48.698 ng  
 RT: 10.25 min Scan# 1185  
 Delta R.T. -0.01 min  
 Lab File: BG034787.D  
 Acq: 29 May 2018 21:31

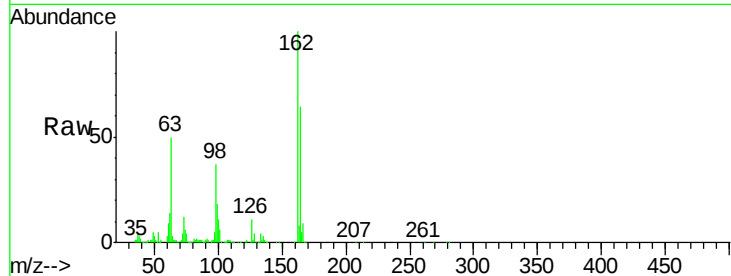
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 31.1  | 24.3  | 36.5  |
| 123     | 10.6  | 8.4   | 12.6  |



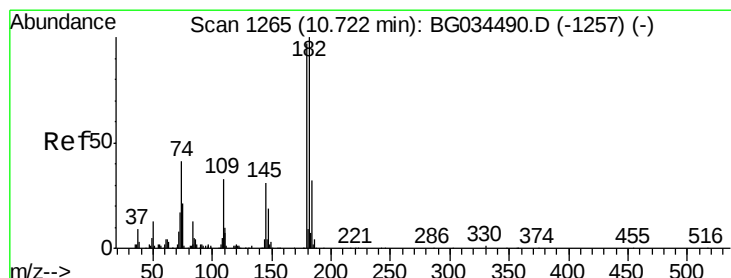
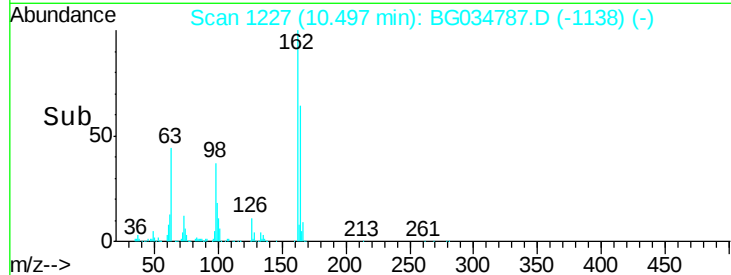
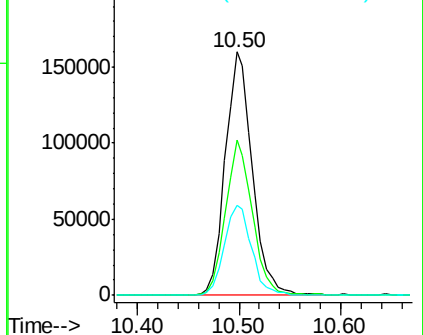


#29  
 2,4-Dichlorophenol  
 Concen: 52.797 ng  
 RT: 10.50 min Scan# 1227  
 Delta R.T. -0.01 min  
 Lab File: BG034787.D  
 Acq: 29 May 2018 21:31

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 162   | Resp: | 295703 |
| Ion      | Ratio | Lower | Upper  |
| 162      | 100   |       |        |
| 164      | 63.8  | 48.0  | 88.0   |
| 98       | 37.2  | 21.1  | 61.1   |

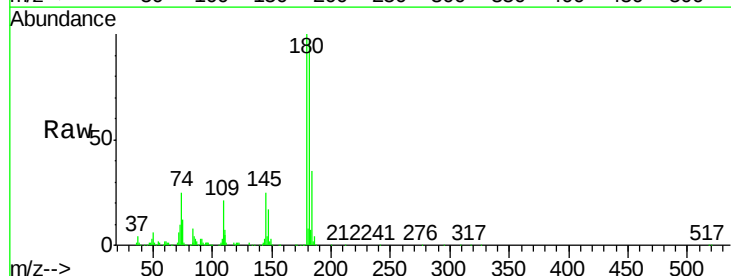


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 164.00 (163.70 to 164.70): E  
 Ion 98.00 (97.70 to 98.70): B

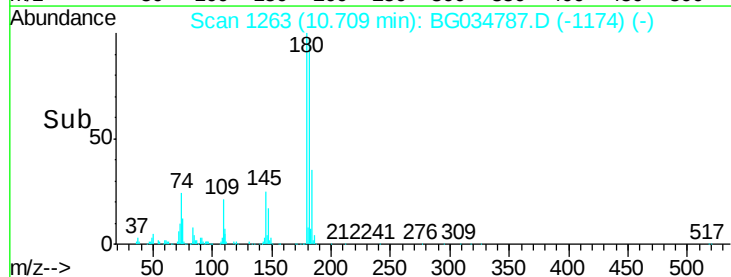
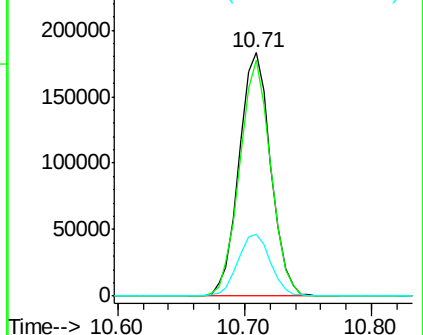


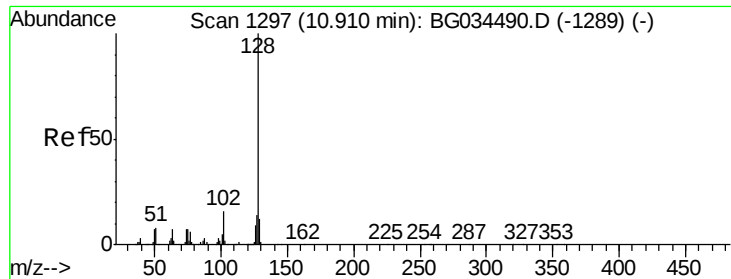
#30  
 1,2,4-Trichlorobenzene  
 Concen: 47.604 ng  
 RT: 10.71 min Scan# 1263  
 Delta R.T. -0.01 min  
 Lab File: BG034787.D  
 Acq: 29 May 2018 21:31

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 180   | Resp: | 317016 |
| Ion      | Ratio | Lower | Upper  |
| 180      | 100   |       |        |
| 182      | 96.9  | 77.5  | 116.3  |
| 145      | 25.3  | 23.4  | 35.2   |



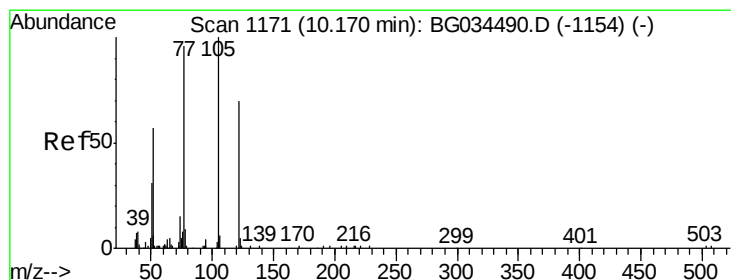
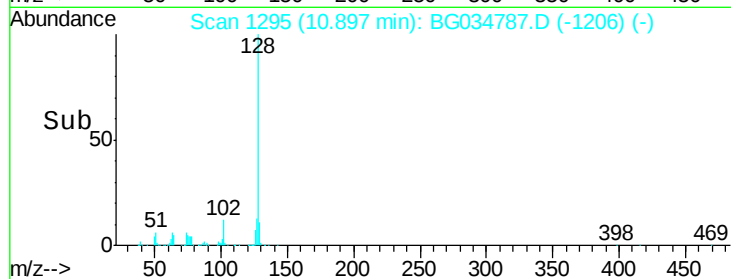
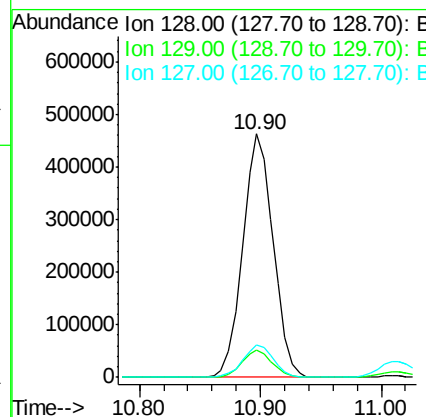
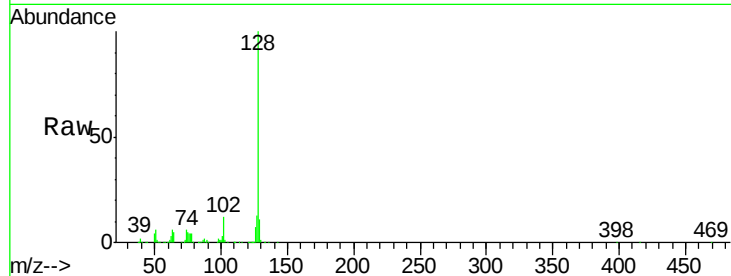
Abundance Ion 180.00 (179.70 to 180.70): E  
 Ion 182.00 (181.70 to 182.70): E  
 Ion 145.00 (144.70 to 145.70): E





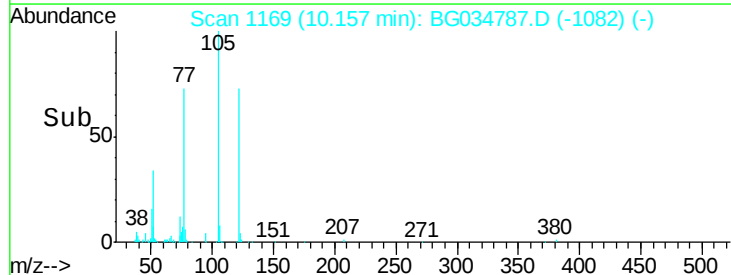
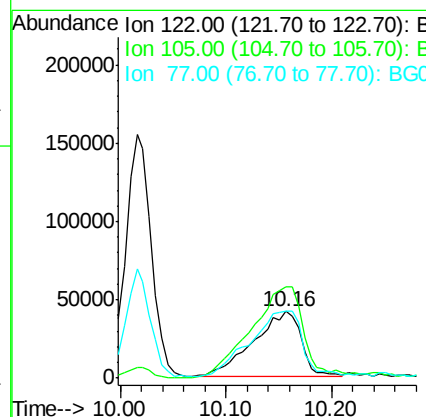
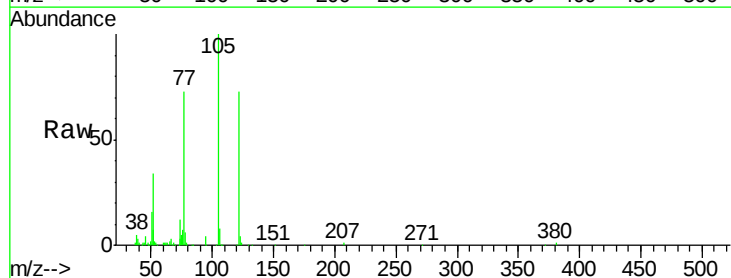
#31  
Naphthalene  
Concen: 49.185 ng  
RT: 10.90 min Scan# 1295  
Delta R.T. -0.01 min  
Lab File: BG034787.D  
Acq: 29 May 2018 21:31

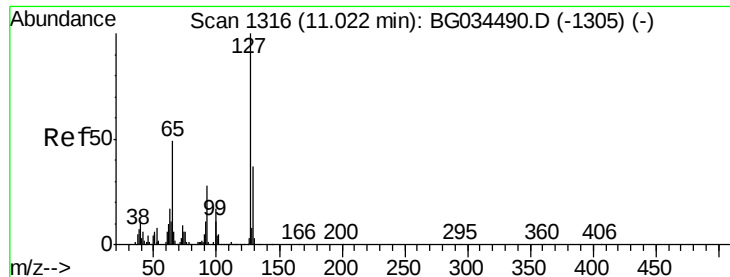
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 11.1  | 8.6   | 12.8  |
| 127     | 13.2  | 11.6  | 17.4  |



#32  
Benzoic acid  
Concen: 34.521 ng  
RT: 10.16 min Scan# 1169  
Delta R.T. -0.02 min  
Lab File: BG034787.D  
Acq: 29 May 2018 21:31

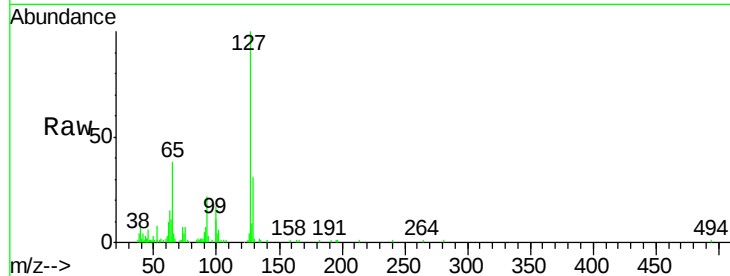
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 105     | 136.3 | 123.5 | 163.5 |
| 77      | 99.8  | 85.7  | 125.7 |





#33  
4-Chloroaniline  
Concen: 9.395 ng  
RT: 11.01 min Scan# 1314  
Delta R.T. -0.01 min  
Lab File: BG034787.D  
Acq: 29 May 2018 21:31

|             |       |           |
|-------------|-------|-----------|
| Tot Ion:127 | Resp: | 67446     |
| Ion Ratio   | Lower | Upper     |
| 127         | 100   |           |
| 129         | 31.3  | 24.0 36.0 |
| 65          | 38.4  | 27.0 40.4 |
| 92          | 22.2  | 16.6 25.0 |

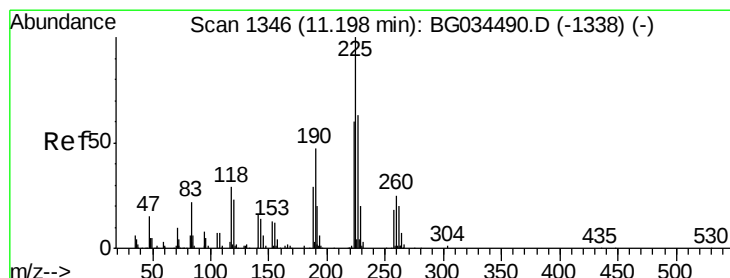
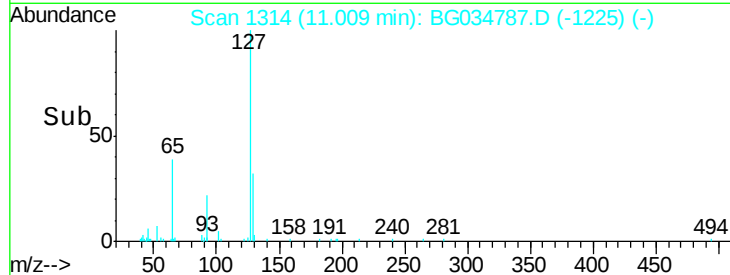
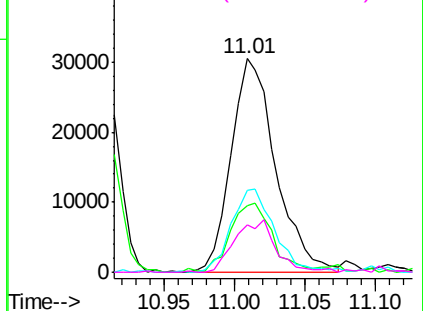


Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

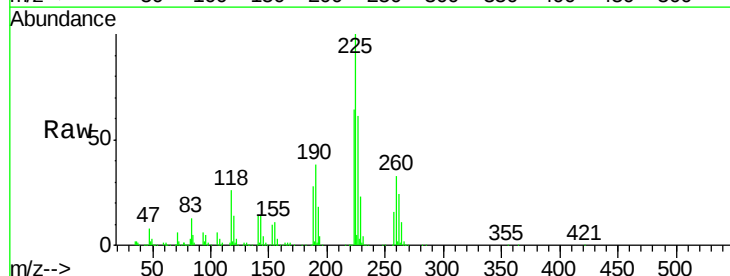
Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC



#34  
Hexachlorobutadiene  
Concen: 42.518 ng  
RT: 11.18 min Scan# 1344  
Delta R.T. -0.01 min  
Lab File: BG034787.D  
Acq: 29 May 2018 21:31

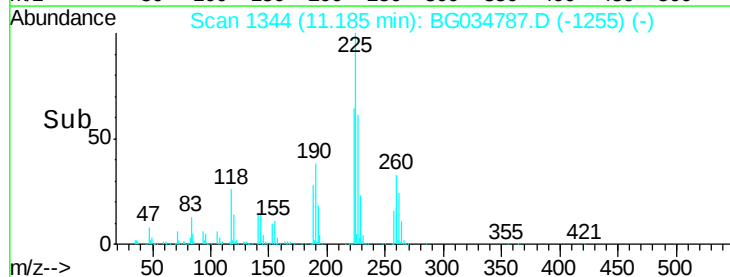
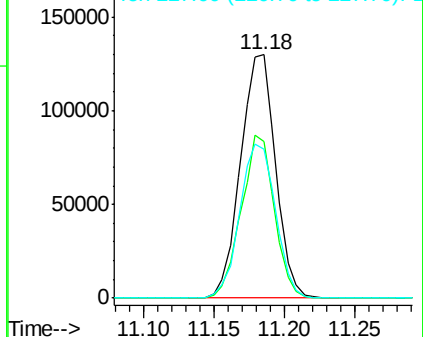
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:225 | Resp: | 224949    |
| Ion Ratio   | Lower | Upper     |
| 225         | 100   |           |
| 223         | 64.3  | 49.7 74.5 |
| 227         | 61.1  | 48.1 72.1 |

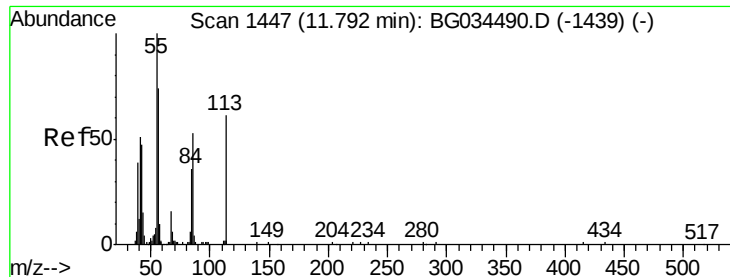


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 37.325 ng/mL

RT: 11.78 min Scan# 1446

Delta R.T. -0.01 min

Lab File: BG034787.D

Acq: 29 May 2018 21:31

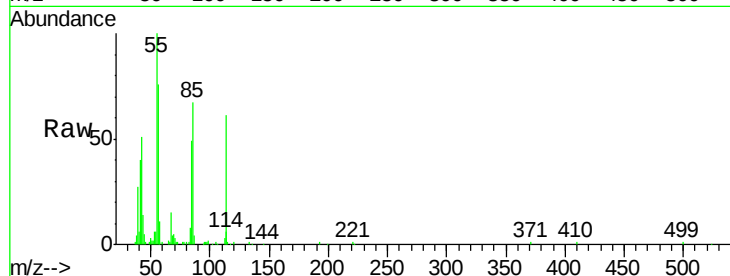
Tot Ion: 113 Resp: 79474

Ion Ratio Lower Upper

113 100

55 164.2 186.9 226.9#

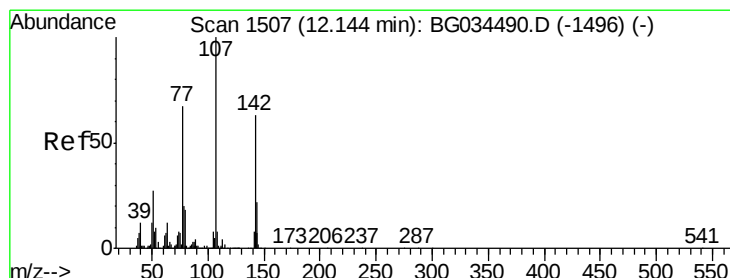
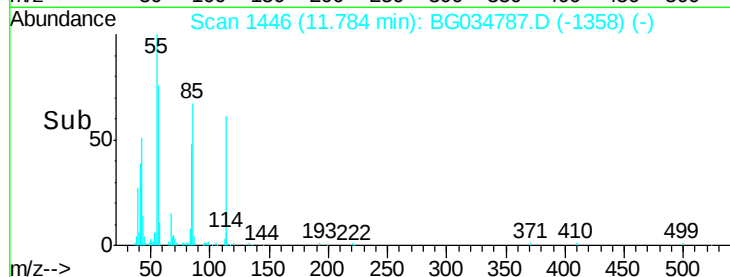
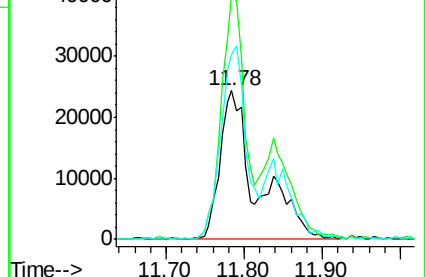
56 124.6 130.9 170.9#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG034490.D (-1439) (-)

Ion 56.00 (55.70 to 56.70): BG034490.D (-1439) (-)



#36

4-Chloro-3-methylphenol

Concen: 42.779 ng/mL

RT: 12.14 min Scan# 1507

Delta R.T. 0.00 min

Lab File: BG034787.D

Acq: 29 May 2018 21:31

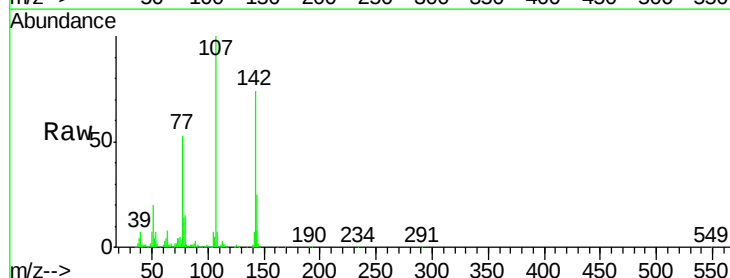
Tgt Ion: 107 Resp: 322840

Ion Ratio Lower Upper

107 100

144 25.1 18.2 27.4

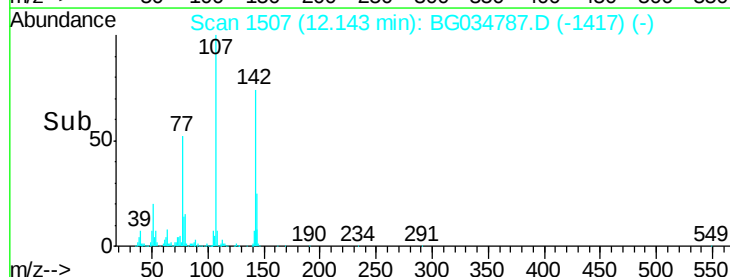
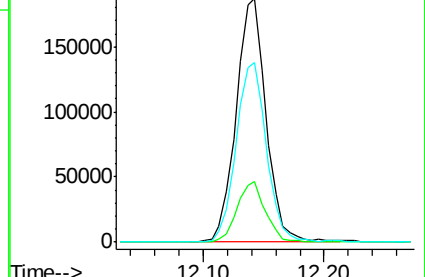
142 74.0 59.0 88.4

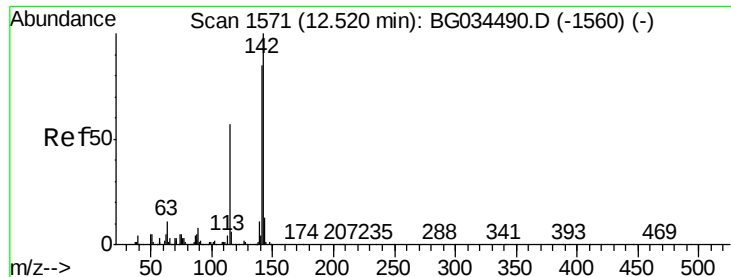


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): BG034490.D (-1496) (-)

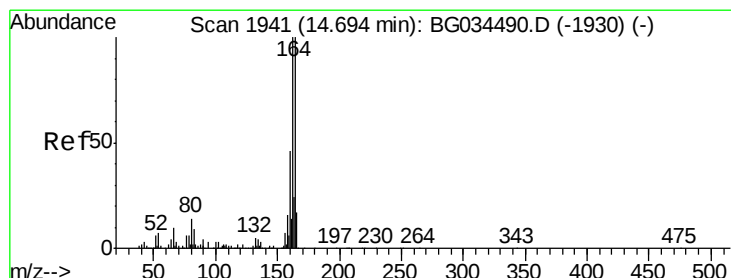
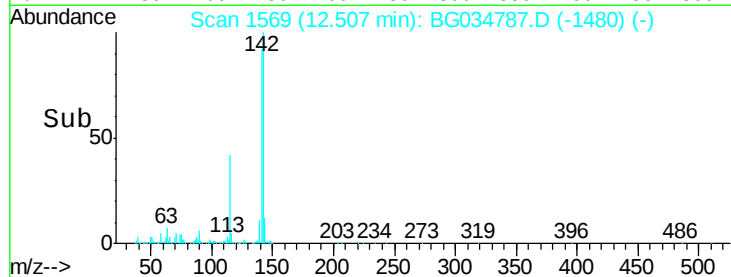
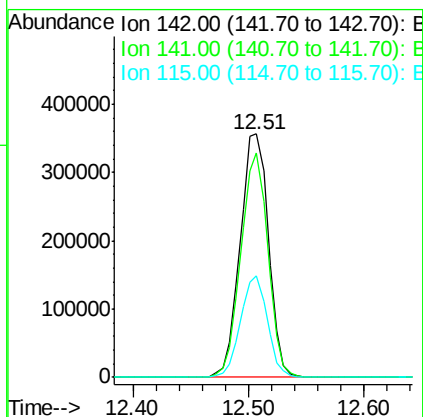
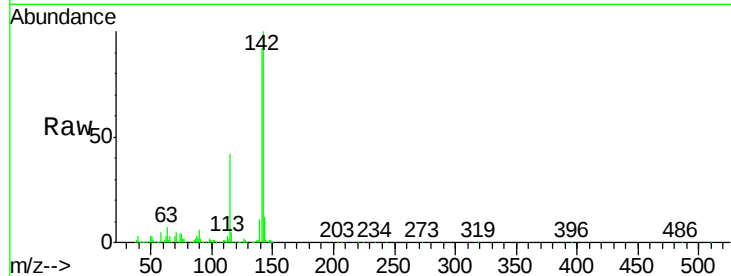
Ion 142.00 (141.70 to 142.70): BG034490.D (-1496) (-)





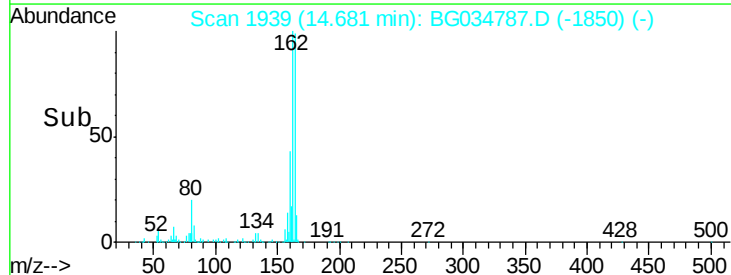
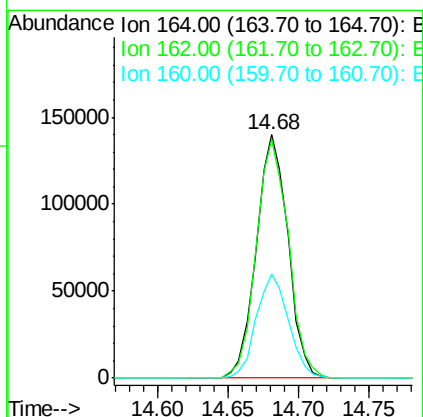
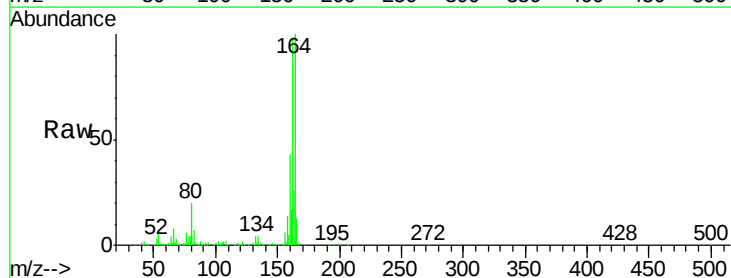
#37  
 2-Methylnaphthalene  
 Concen: 45.798 ng  
 RT: 12.51 min Scan# 1569  
 Delta R.T. -0.01 min  
 Lab File: BG034787.D  
 Acq: 29 May 2018 21:31

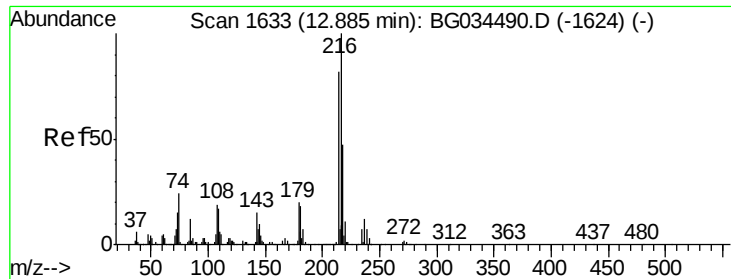
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 92.1  | 67.1  | 100.7 |
| 115     | 41.7  | 30.7  | 46.1  |



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.68 min Scan# 1939  
 Delta R.T. -0.01 min  
 Lab File: BG034787.D  
 Acq: 29 May 2018 21:31

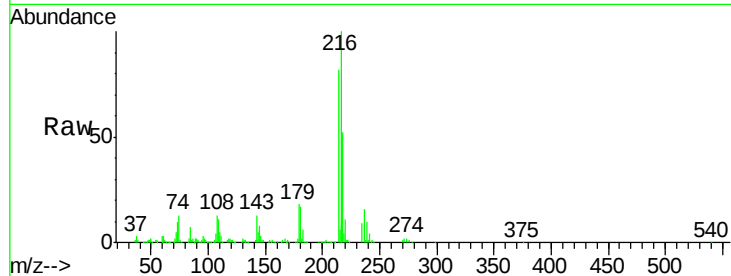
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 98.0  | 78.8  | 118.2 |
| 160     | 42.6  | 35.4  | 53.0  |



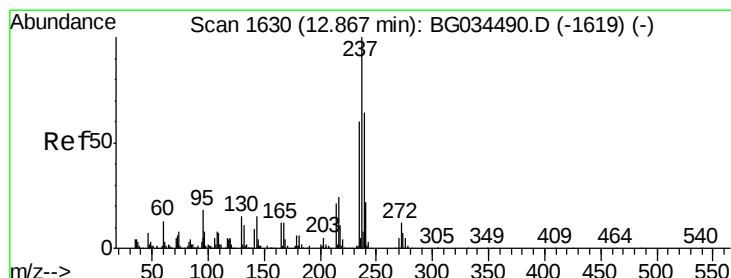
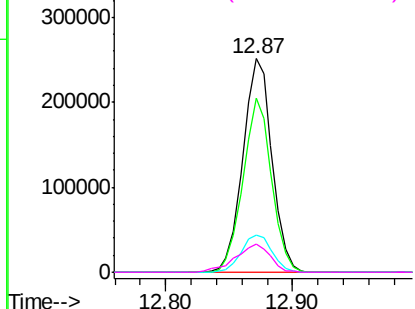
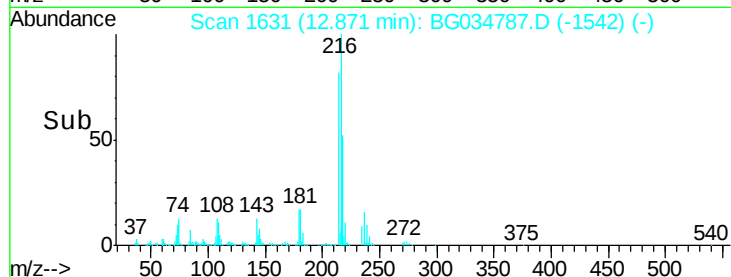


#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 48.105 ng  
 RT: 12.87 min Scan# 1631  
 Delta R.T. -0.01 min  
 Lab File: BG034787.D  
 Acq: 29 May 2018 21:31

|             |       |        |      |
|-------------|-------|--------|------|
| Tot Ion:216 | Resp: | 398418 |      |
| Ion Ratio   | Lower | Upper  |      |
| 216         | 100   |        |      |
| 214         | 80.1  | 63.0   | 94.4 |
| 179         | 18.5  | 17.0   | 25.6 |
| 108         | 15.9  | 12.8   | 19.2 |

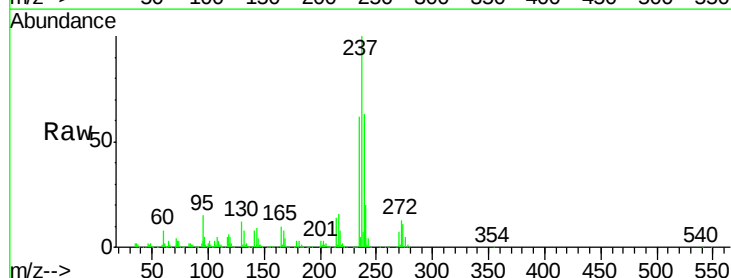


Abundance Ion 216.00 (215.70 to 216.70): E  
 Ion 214.00 (213.70 to 214.70): E  
 Ion 179.00 (178.70 to 179.70): E  
 Ion 108.00 (107.70 to 108.70): E

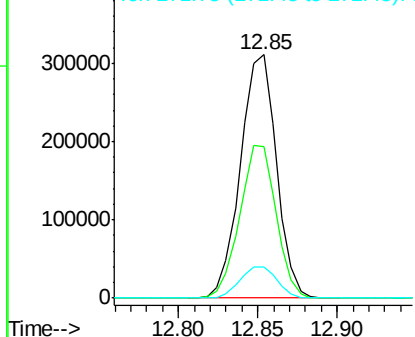
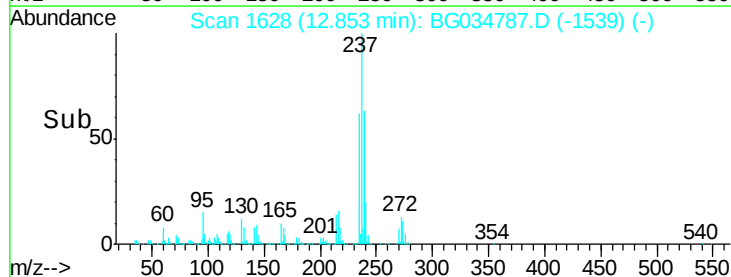


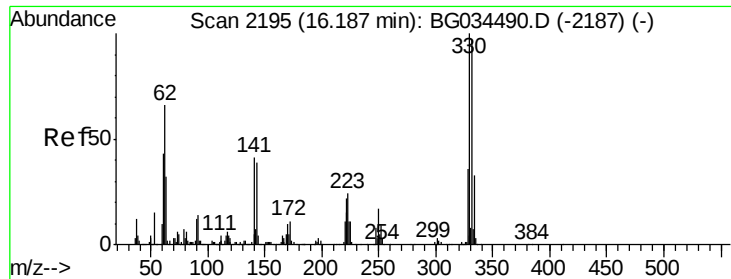
#40  
 Hexachlorocyclopentadiene  
 Concen: 75.439 ng  
 RT: 12.85 min Scan# 1628  
 Delta R.T. -0.01 min  
 Lab File: BG034787.D  
 Acq: 29 May 2018 21:31

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:237 | Resp: | 489258 |
| Ion | Ratio   | Lower | Upper  |
| 237 | 100     |       |        |
| 235 | 62.0    | 50.4  | 90.4   |
| 272 | 12.9    | 0.0   | 31.8   |



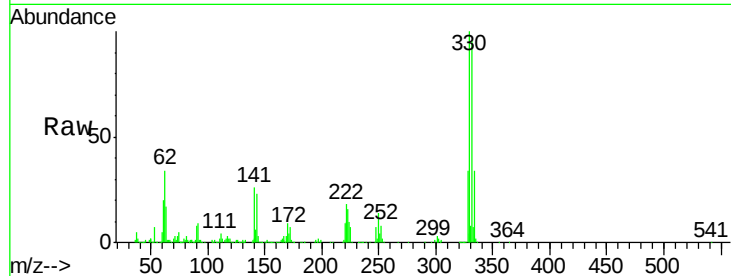
Abundance Ion 236.80 (236.50 to 237.50): E  
 Ion 234.90 (234.60 to 235.60): E  
 Ion 271.75 (271.45 to 272.45): E



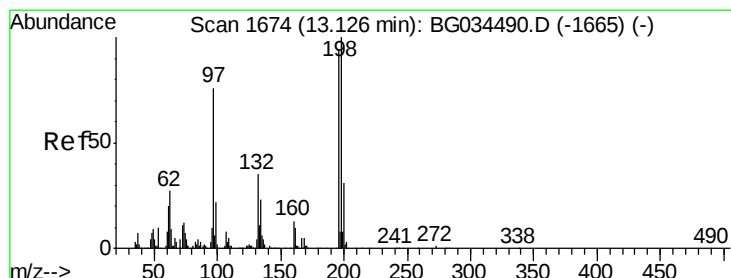
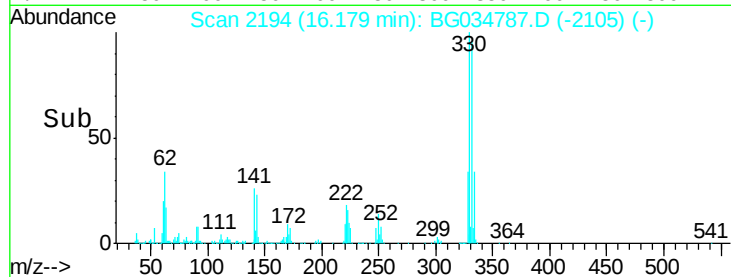
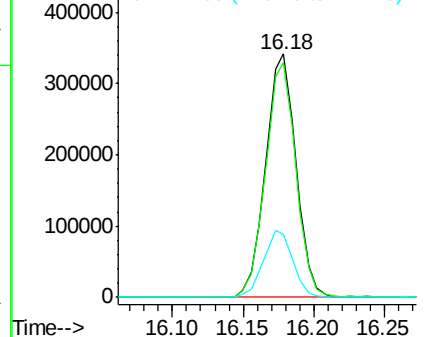


#41  
 2,4,6-Tribromophenol  
 Concen: 136.101 ng  
 RT: 16.18 min Scan# 2194  
 Delta R.T. -0.01 min  
 Lab File: BG034787.D  
 Acq: 29 May 2018 21:31

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.0  | 77.0  | 115.6 |
| 141     | 26.6  | 25.2  | 37.8  |

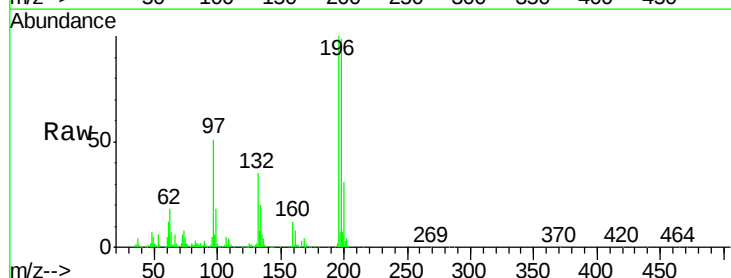


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

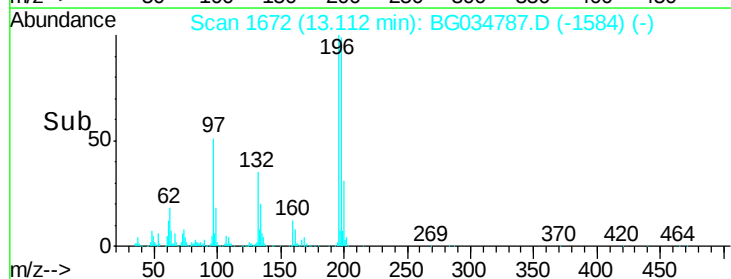
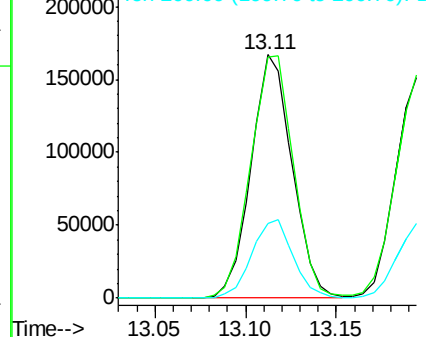


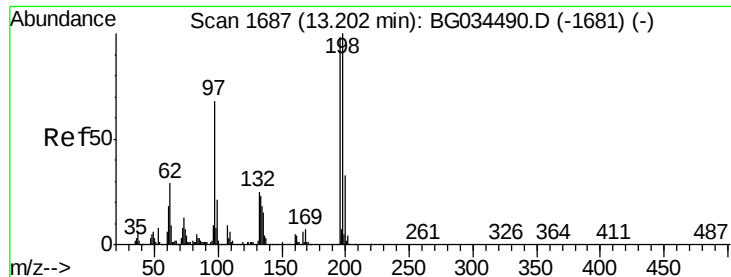
#42  
 2,4,6-Trichlorophenol  
 Concen: 51.046 ng  
 RT: 13.11 min Scan# 1672  
 Delta R.T. -0.01 min  
 Lab File: BG034787.D  
 Acq: 29 May 2018 21:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 98.8  | 78.2  | 117.2 |
| 200     | 30.5  | 24.6  | 36.8  |



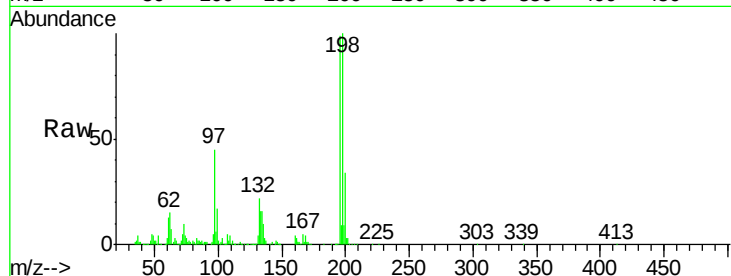
Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 200.00 (199.70 to 200.70): E



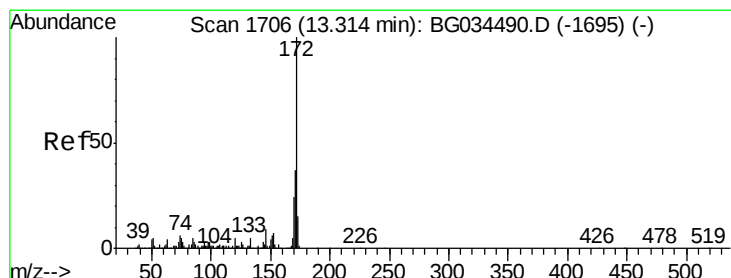
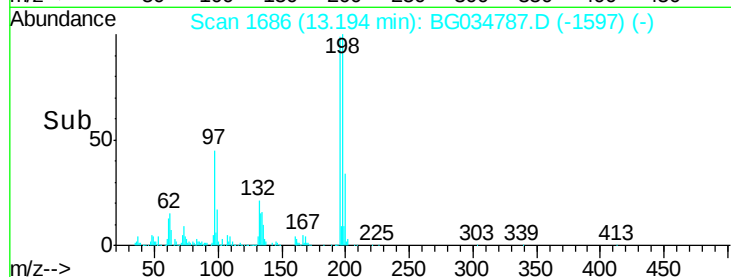
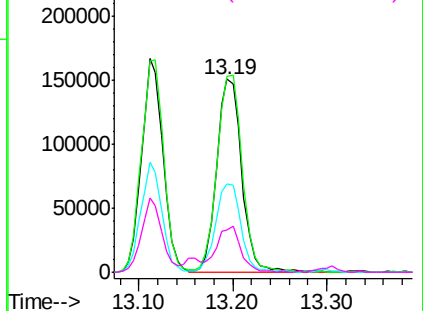


#43  
2,4,5-Trichlorophenol  
Concen: 49.471 ng  
RT: 13.19 min Scan# 1686  
Delta R.T. -0.01 min  
Lab File: BG034787.D  
Acq: 29 May 2018 21:31

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 196   | Resp: | 279689 |
| Ion      | Ratio | Lower | Upper  |
| 196      | 100   |       |        |
| 198      | 101.4 | 76.2  | 114.4  |
| 97       | 45.9  | 38.7  | 58.1   |
| 132      | 21.9  | 20.2  | 30.2   |

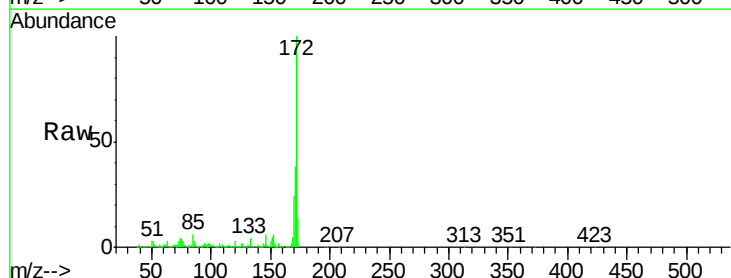


Abundance Ion 196.00 (195.70 to 196.70): E  
Ion 198.00 (197.70 to 198.70): E  
Ion 97.00 (96.70 to 97.70): BGC  
Ion 132.00 (131.70 to 132.70): E

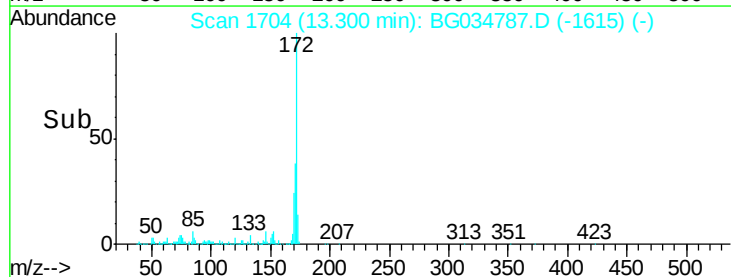
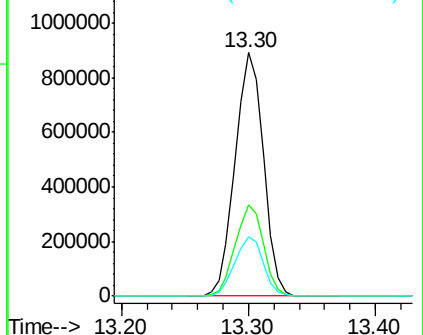


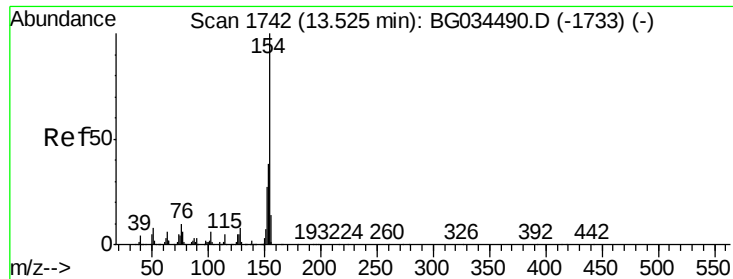
#44  
2-Fluorobiphenyl  
Concen: 84.735 ng  
RT: 13.30 min Scan# 1704  
Delta R.T. -0.01 min  
Lab File: BG034787.D  
Acq: 29 May 2018 21:31

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 172   | Resp: | 1375483 |
| Ion      | Ratio | Lower | Upper   |
| 172      | 100   |       |         |
| 171      | 37.6  | 30.0  | 45.0    |
| 170      | 24.4  | 19.5  | 29.3    |



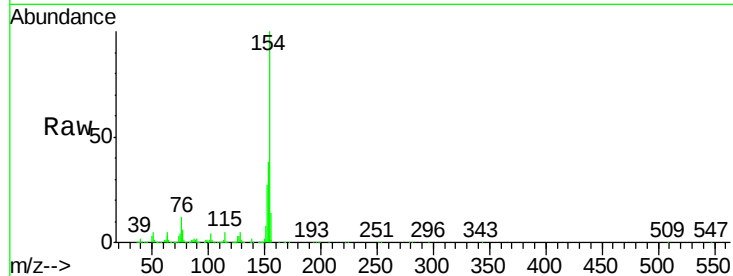
Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E



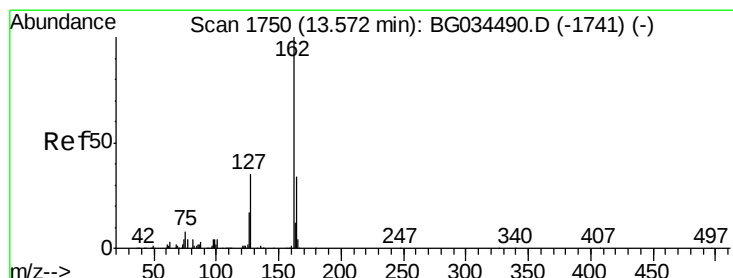
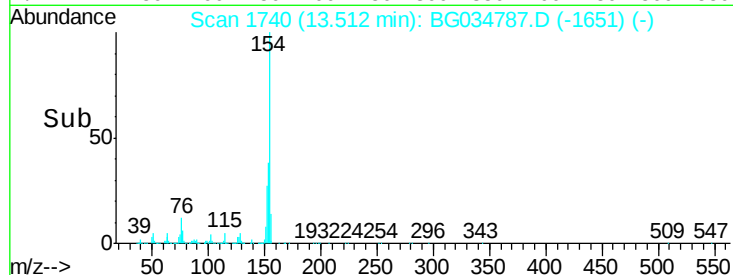
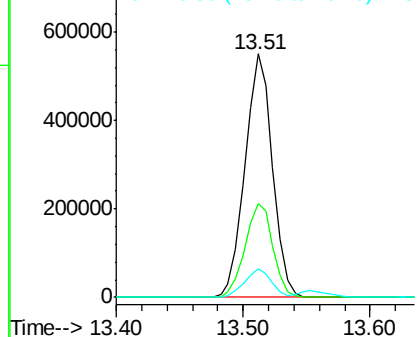


#45  
 1,1'-Biphenyl  
 Concen: 47.474 ng  
 RT: 13.51 min Scan# 1740  
 Delta R.T. -0.01 min  
 Lab File: BG034787.D  
 Acq: 29 May 2018 21:31

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 154   | Resp: | 824000 |
| Ion      | Ratio | Lower | Upper  |
| 154      | 100   |       |        |
| 153      | 38.4  | 19.8  | 59.8   |
| 76       | 11.5  | 0.0   | 31.9   |

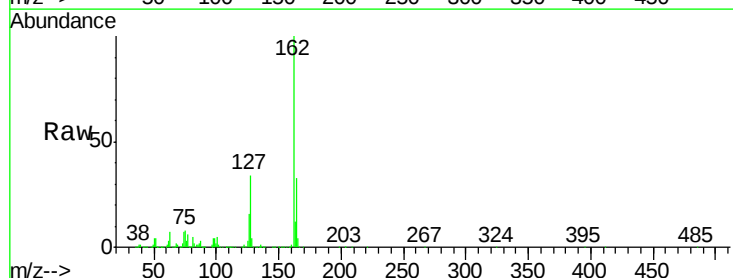


Abundance Ion 154.00 (153.70 to 154.70): E  
 Ion 153.00 (152.70 to 153.70): E  
 Ion 76.00 (75.70 to 76.70): B

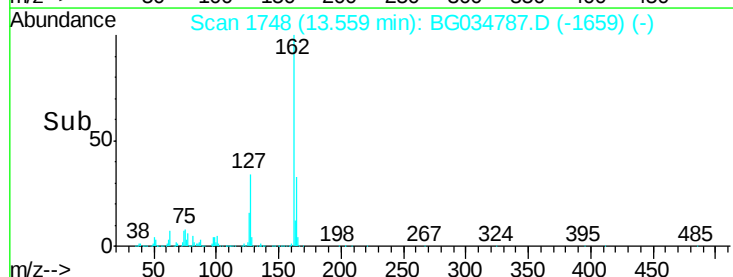
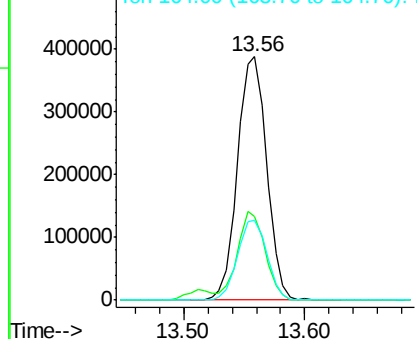


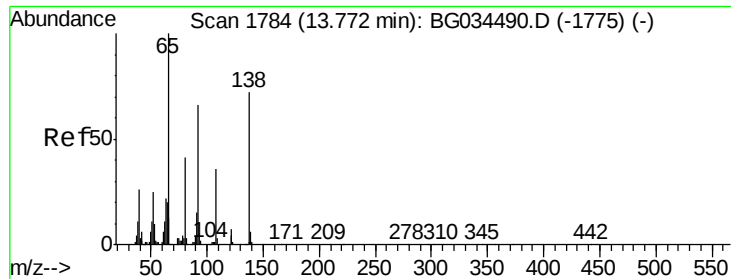
#46  
 2-Chloronaphthalene  
 Concen: 48.026 ng  
 RT: 13.56 min Scan# 1748  
 Delta R.T. -0.01 min  
 Lab File: BG034787.D  
 Acq: 29 May 2018 21:31

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 162   | Resp: | 656147 |
| Ion      | Ratio | Lower | Upper  |
| 162      | 100   |       |        |
| 127      | 34.5  | 30.7  | 46.1   |
| 164      | 32.8  | 26.0  | 39.0   |



Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 127.00 (126.70 to 127.70): E  
 Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 39.630 ng

RT: 13.76 min Scan# 1782

Delta R.T. -0.01 min

Lab File: BG034787.D

Acq: 29 May 2018 21:31

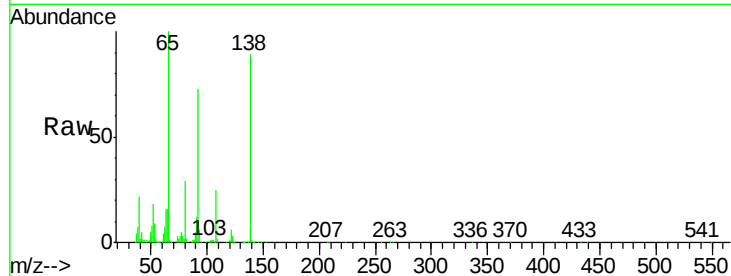
Tot Ion: 65 Resp: 221202

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 65  | 100   |       |       |
| 92  | 72.6  | 54.6  | 82.0  |
| 138 | 88.8  | 72.9  | 109.3 |

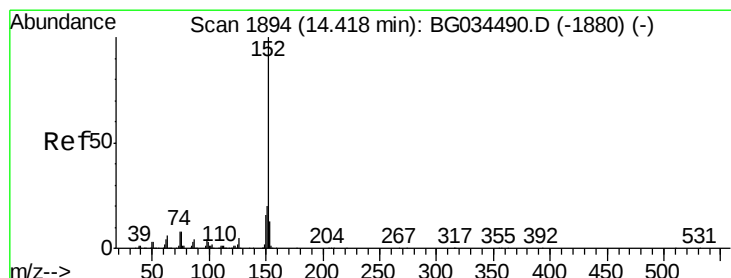
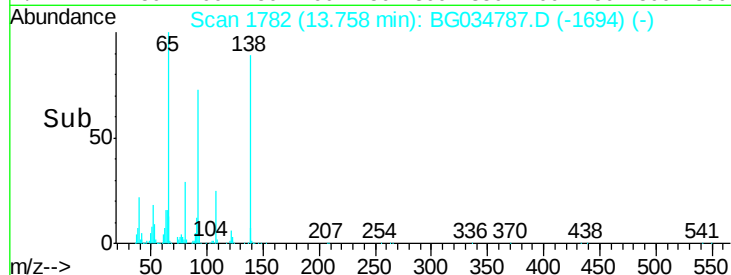
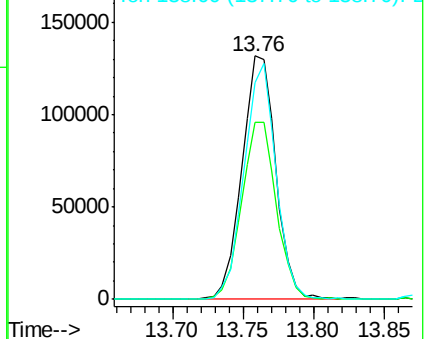
65 100

92 72.6 54.6 82.0

138 88.8 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



#48

Acenaphthylene

Concen: 46.718 ng

RT: 14.40 min Scan# 1892

Delta R.T. -0.01 min

Lab File: BG034787.D

Acq: 29 May 2018 21:31

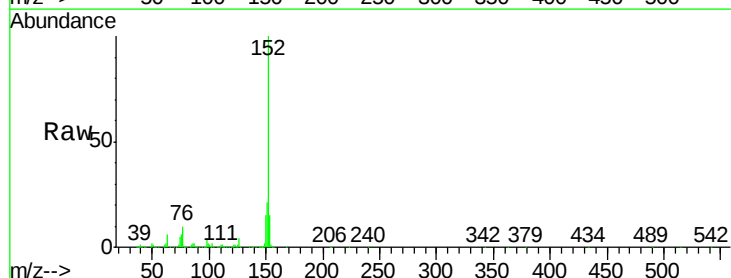
Tgt Ion: 152 Resp: 976815

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 151 | 21.2  | 17.2  | 25.8  |
| 153 | 15.2  | 10.2  | 15.4  |

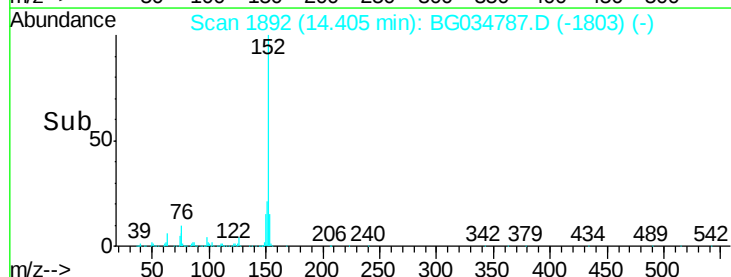
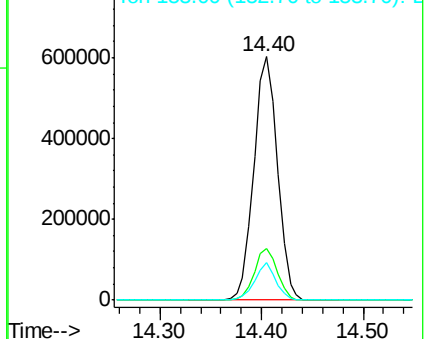
152 100

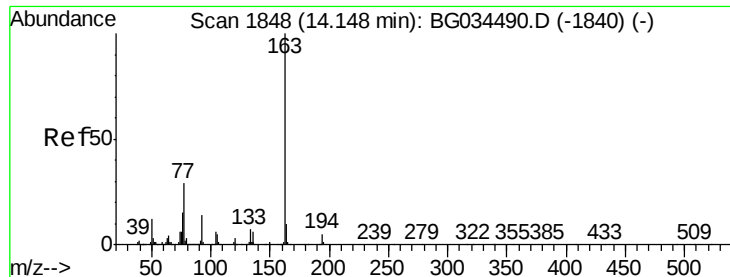
151 21.2 17.2 25.8

153 15.2 10.2 15.4



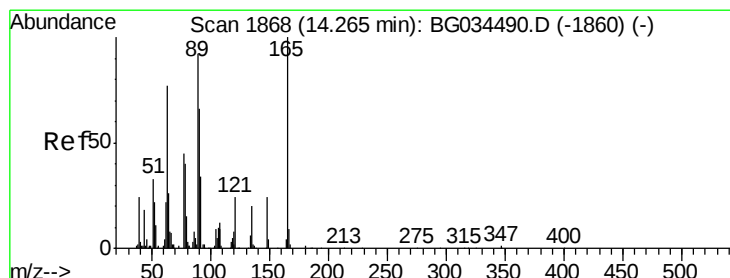
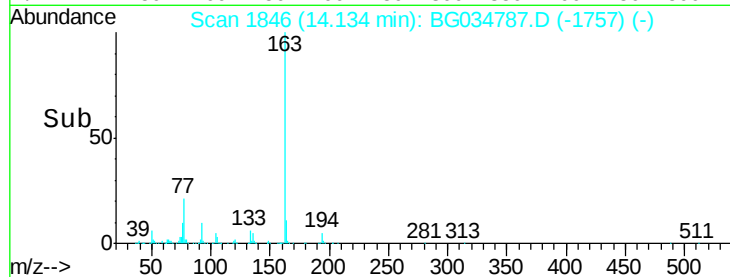
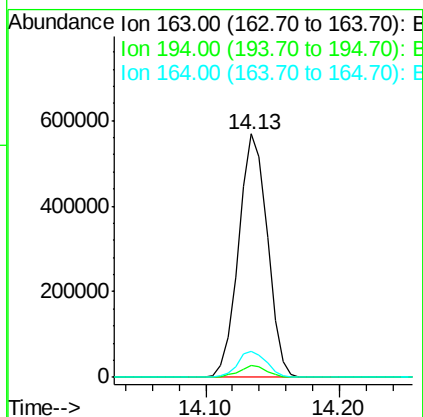
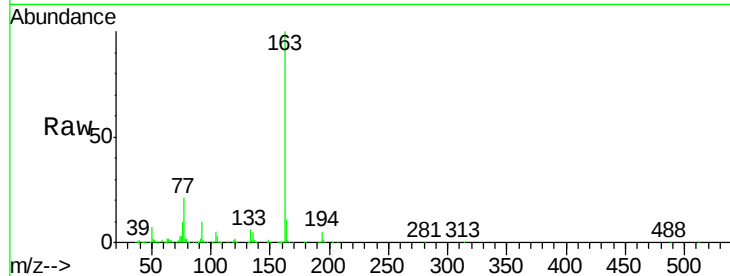
Abundance Ion 152.00 (151.70 to 152.70): BGC  
Ion 151.00 (150.70 to 151.70): BGC  
Ion 153.00 (152.70 to 153.70): BGC





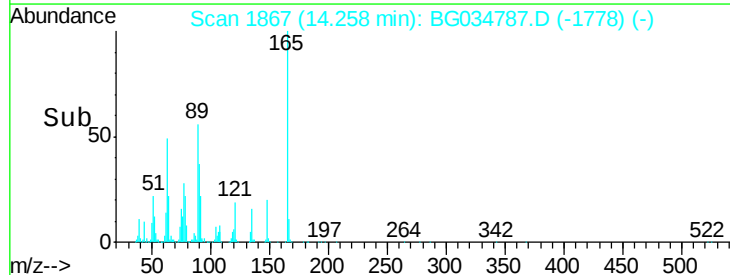
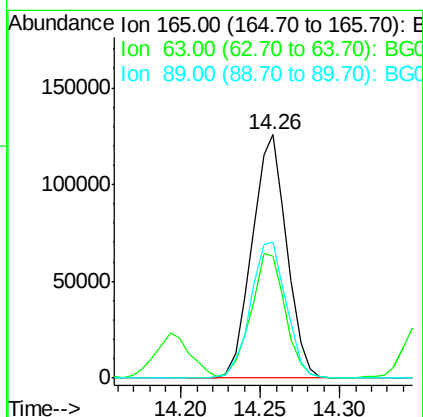
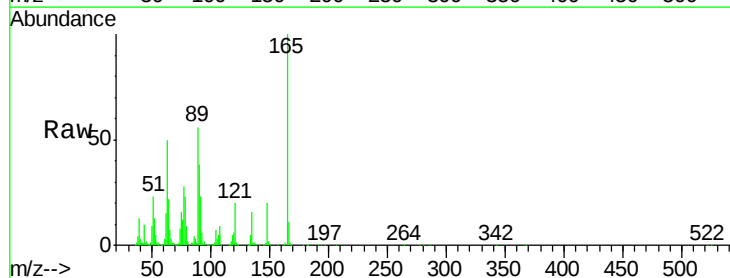
#49  
Dimethylphthalate  
Concen: 44.440 ng  
RT: 14.13 min Scan# 1846  
Delta R.T. -0.01 min  
Lab File: BG034787.D  
Acq: 29 May 2018 21:31

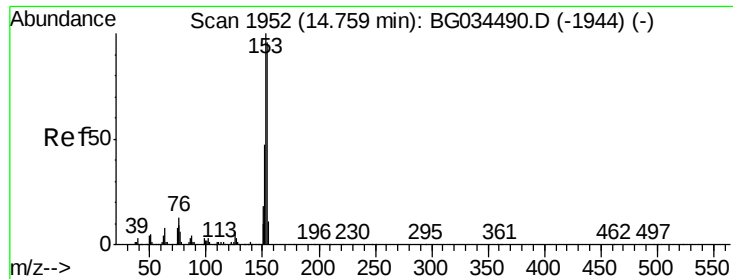
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 4.7   | 3.4   | 5.2   |
| 164     | 10.9  | 8.2   | 12.4  |



#50  
2,6-Dinitrotoluene  
Concen: 48.812 ng  
RT: 14.26 min Scan# 1867  
Delta R.T. -0.01 min  
Lab File: BG034787.D  
Acq: 29 May 2018 21:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 50.0  | 52.7  | 79.1# |
| 89      | 56.1  | 49.2  | 73.8  |





#51

Acenaphthene

Concen: 47.322 ng

RT: 14.75 min Scan# 1950

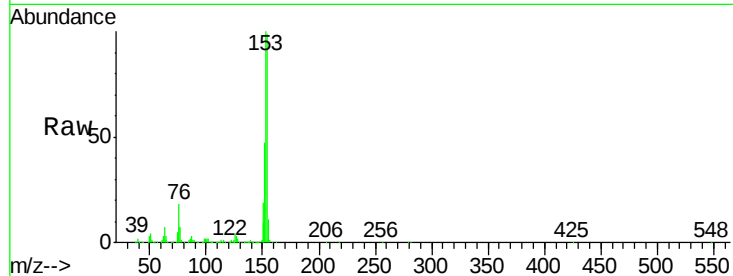
Delta R.T. -0.01 min

Lab File: BG034787.D

Acq: 29 May 2018 21:31

Tot Ion:154 Resp: 641448

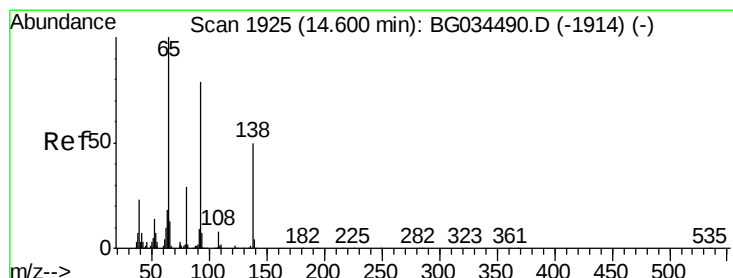
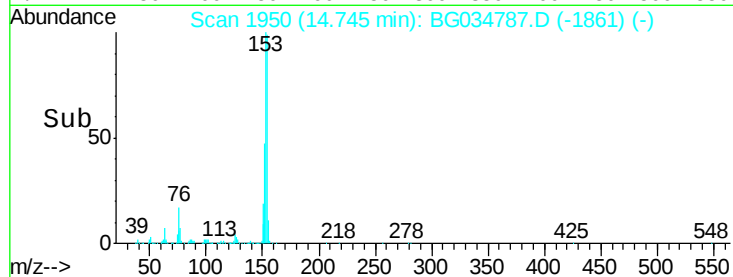
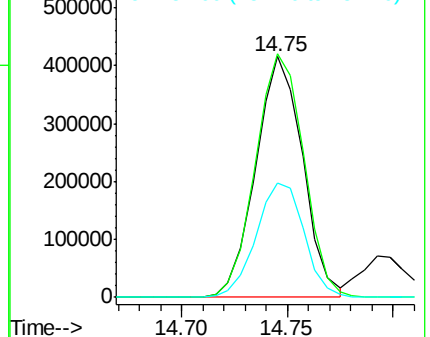
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 154 | 100   |       |       |
| 153 | 101.1 | 90.4  | 135.6 |
| 152 | 47.3  | 41.6  | 62.4  |



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 29.268 ng

RT: 14.59 min Scan# 1923

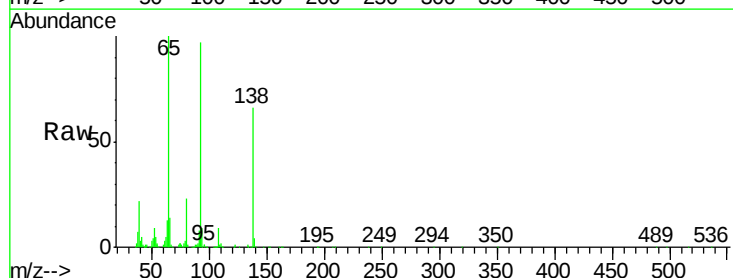
Delta R.T. -0.01 min

Lab File: BG034787.D

Acq: 29 May 2018 21:31

Tgt Ion:138 Resp: 105524

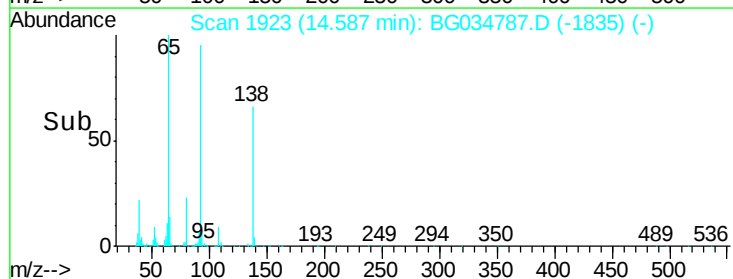
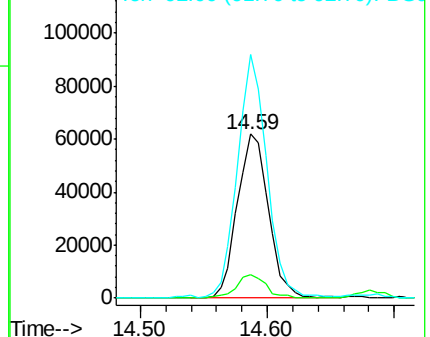
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 138 | 100   |       |       |
| 108 | 13.9  | 17.5  | 26.3# |
| 92  | 148.4 | 105.8 | 158.8 |

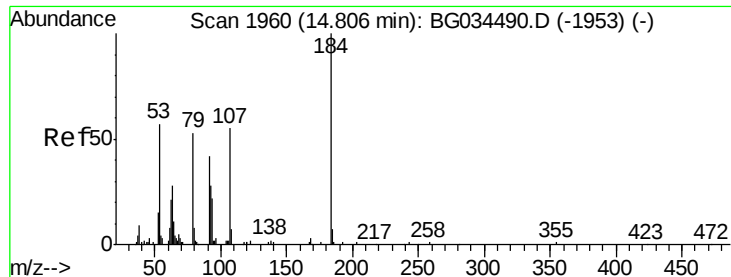


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

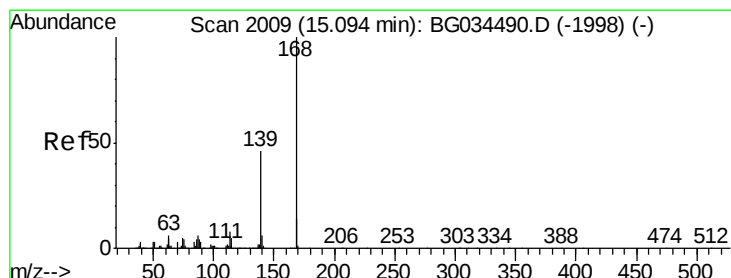
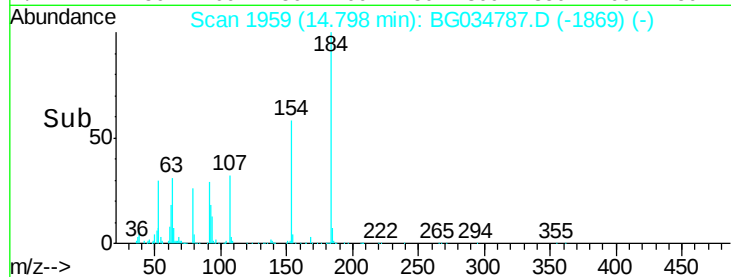
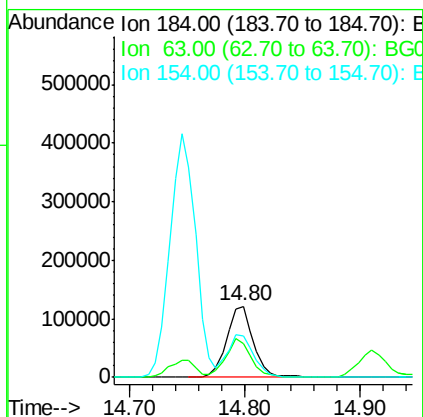
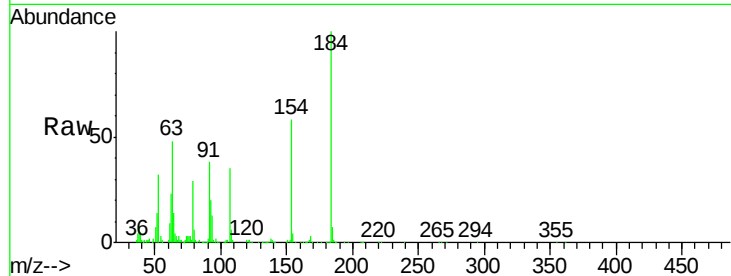
Ion 92.00 (91.70 to 92.70): BG





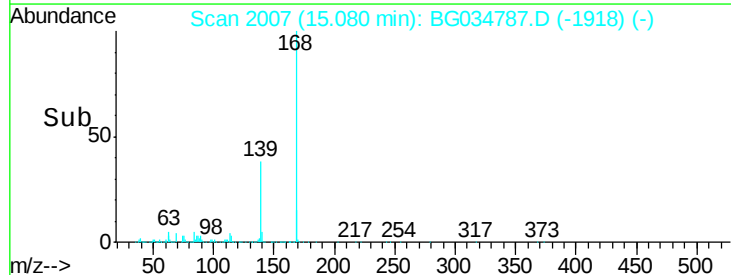
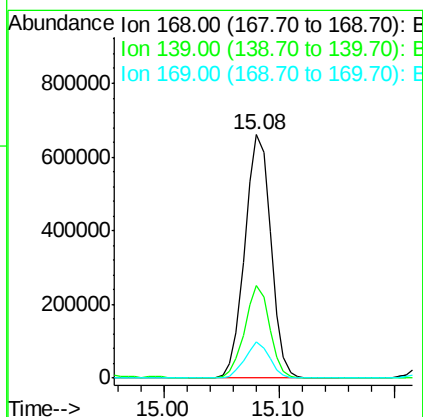
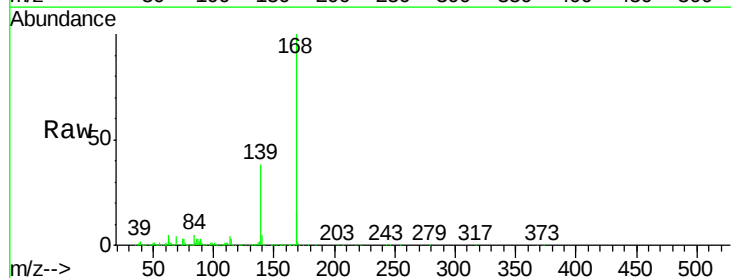
#53  
2,4-Dinitrophenol  
Concen: 75.980 ng  
RT: 14.80 min Scan# 1959  
Delta R.T. 0.00 min  
Lab File: BG034787.D  
Acq: 29 May 2018 21:31

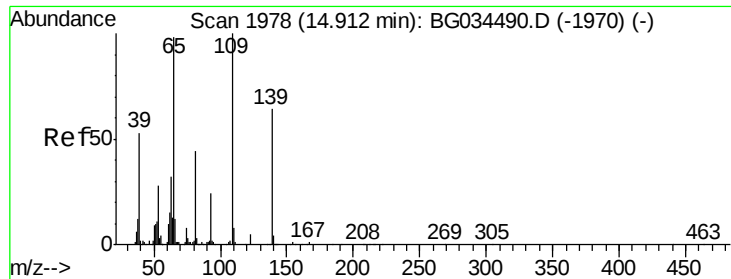
Tot Ion:184 Resp: 194995  
Ion Ratio Lower Upper  
184 100  
63 47.8 59.8 89.8#  
154 57.9 101.8 152.8#



#54  
Dibenzofuran  
Concen: 46.640 ng  
RT: 15.08 min Scan# 2007  
Delta R.T. -0.01 min  
Lab File: BG034787.D  
Acq: 29 May 2018 21:31

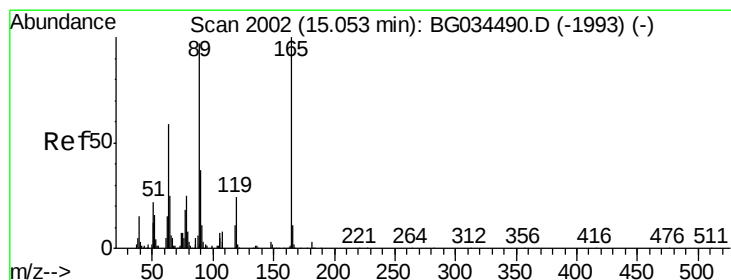
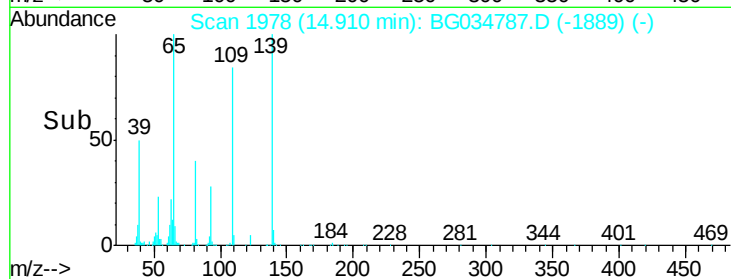
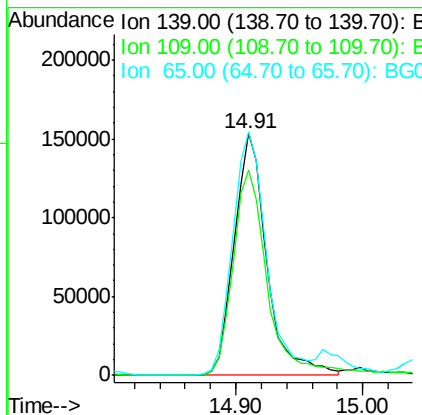
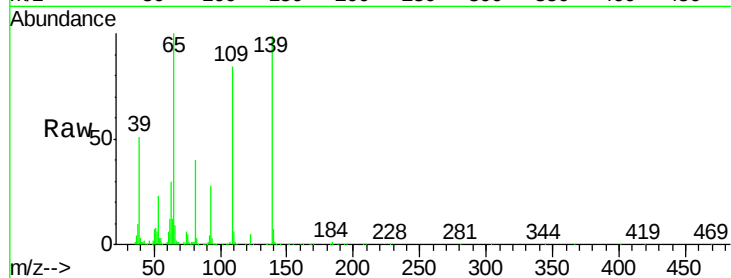
Tgt Ion:168 Resp: 1037018  
Ion Ratio Lower Upper  
168 100  
139 38.2 28.6 43.0  
169 15.0 11.2 16.8





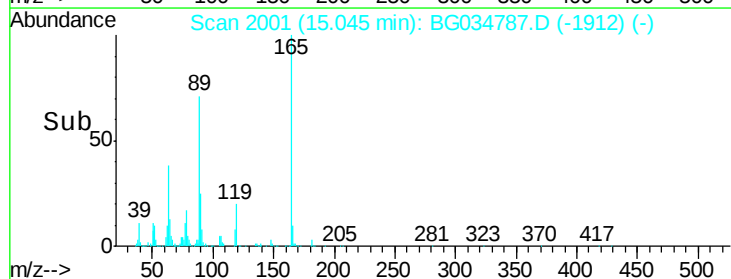
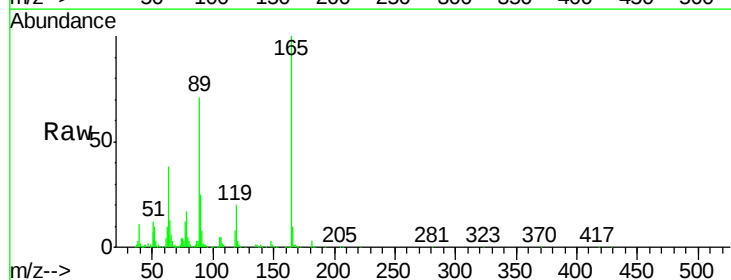
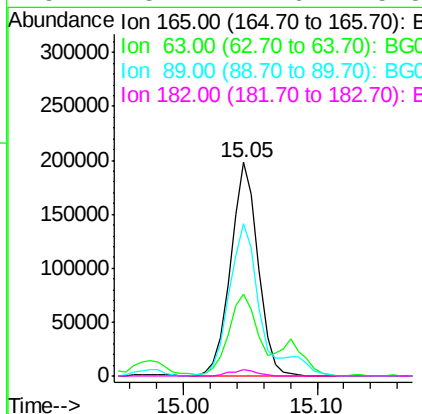
#55  
4-Nitrophenol  
Concen: 85.984 ng  
RT: 14.91 min Scan# 1978  
Delta R.T. -0.01 min  
Lab File: BG034787.D  
Acq: 29 May 2018 21:31

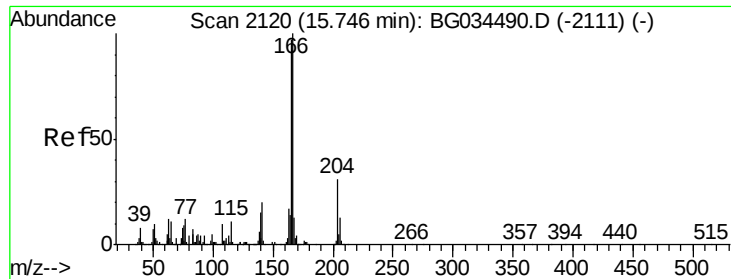
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 84.5  | 62.2  | 102.2 |
| 65      | 100.5 | 97.2  | 137.2 |



#56  
2,4-Dinitrotoluene  
Concen: 48.979 ng  
RT: 15.05 min Scan# 2001  
Delta R.T. -0.01 min  
Lab File: BG034787.D  
Acq: 29 May 2018 21:31

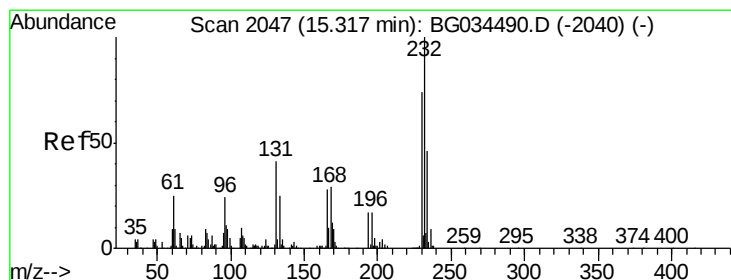
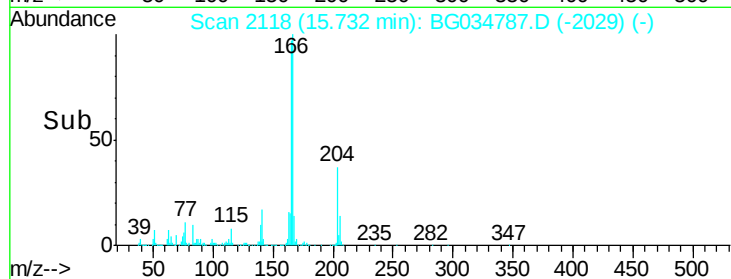
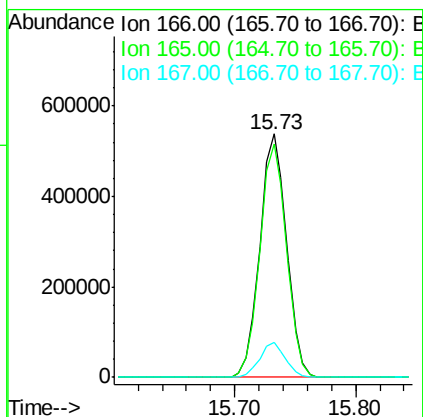
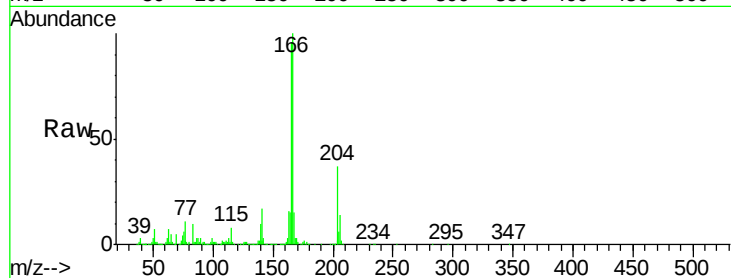
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 38.3  | 42.0  | 63.0# |
| 89      | 71.1  | 66.9  | 100.3 |
| 182     | 3.2   | 2.6   | 3.8   |





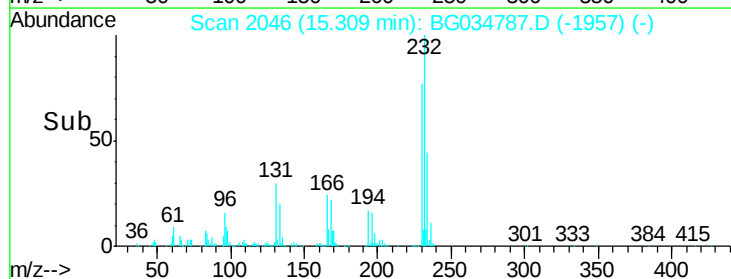
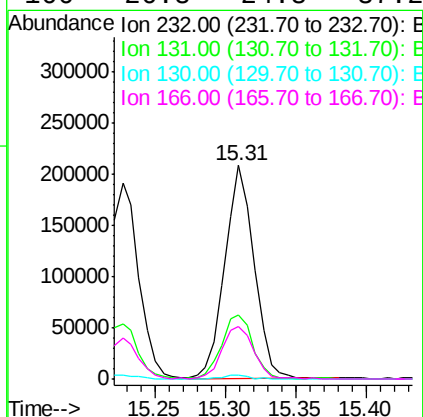
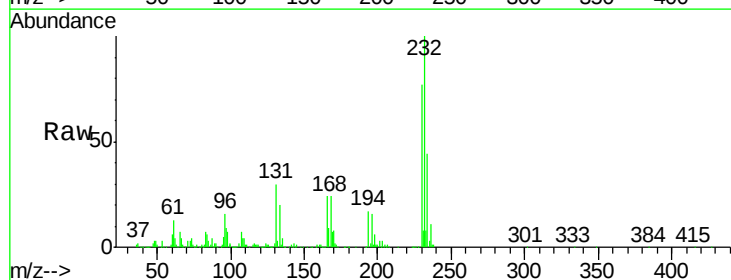
#57  
**Fluorene**  
 Concen: 47.476 ng  
 RT: 15.73 min Scan# 2118  
 Delta R.T. -0.01 min  
 Lab File: BG034787.D  
 Acq: 29 May 2018 21:31

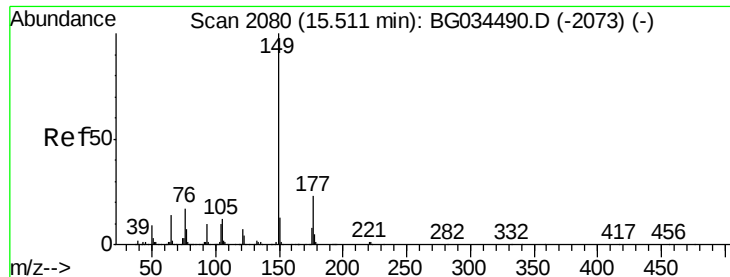
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 95.9  | 80.6  | 121.0 |
| 167     | 14.5  | 10.4  | 15.6  |



#58  
**2,3,4,6-Tetrachlorophenol**  
 Concen: 48.686 ng  
 RT: 15.31 min Scan# 2046  
 Delta R.T. -0.01 min  
 Lab File: BG034787.D  
 Acq: 29 May 2018 21:31

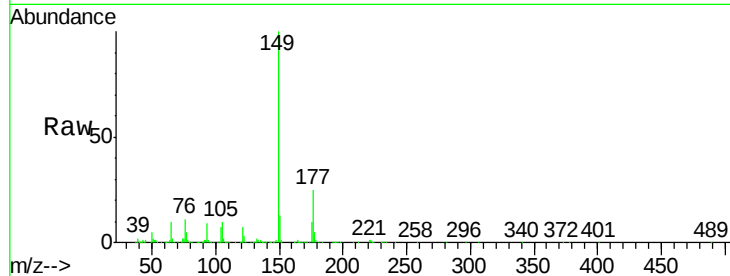
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 232     | 100   |       |       |
| 131     | 31.7  | 33.5  | 50.3# |
| 130     | 1.6   | 2.2   | 3.2#  |
| 166     | 26.8  | 24.8  | 37.2  |



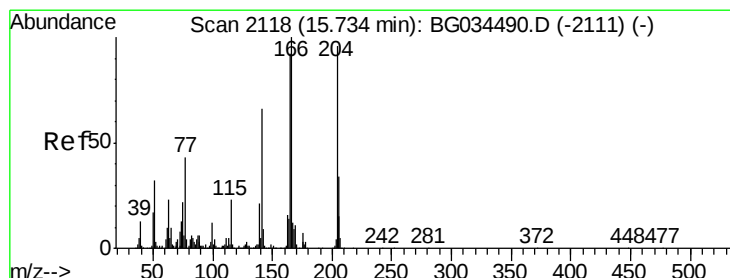
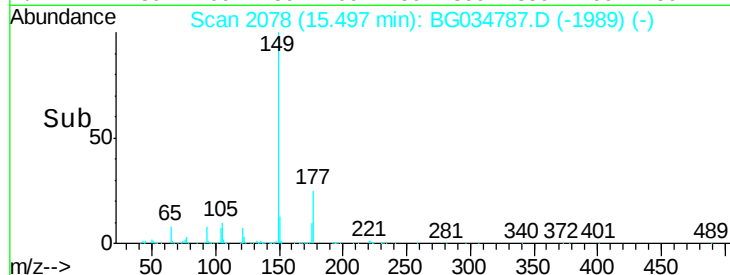
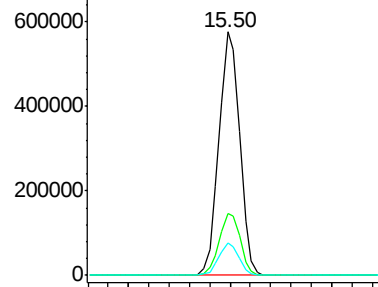


#59  
Diethylphthalate  
Concen: 41.543 ng  
RT: 15.50 min Scan# 2078  
Delta R.T. -0.01 min  
Lab File: BG034787.D  
Acq: 29 May 2018 21:31

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 25.4  | 18.5  | 27.7  |
| 150     | 13.1  | 10.2  | 15.2  |

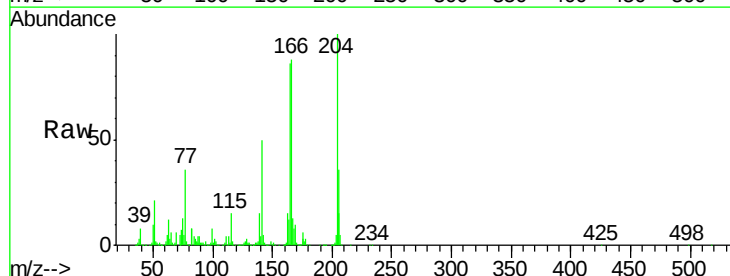


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 177.00 (176.70 to 177.70): E  
Ion 150.00 (149.70 to 150.70): E

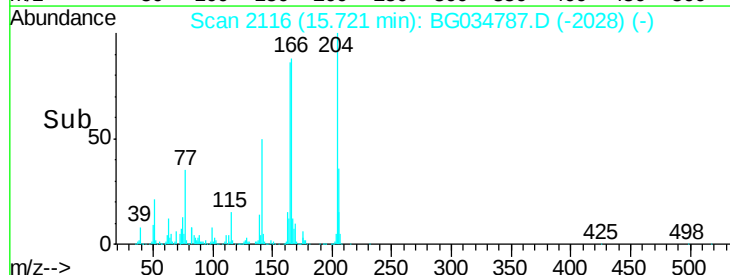
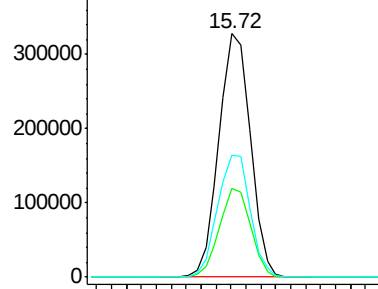


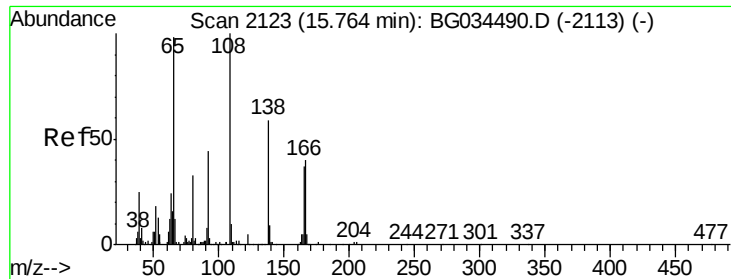
#60  
4-Chlorophenyl-phenylether  
Concen: 46.542 ng  
RT: 15.72 min Scan# 2116  
Delta R.T. -0.01 min  
Lab File: BG034787.D  
Acq: 29 May 2018 21:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 36.2  | 26.2  | 39.2  |
| 141     | 50.0  | 45.8  | 68.6  |



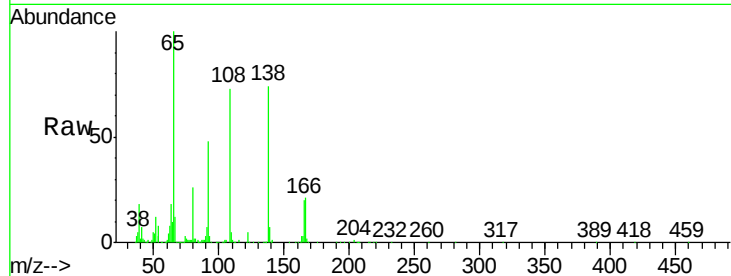
Abundance Ion 204.00 (203.70 to 204.70): E  
Ion 206.00 (205.70 to 206.70): E  
Ion 141.00 (140.70 to 141.70): E



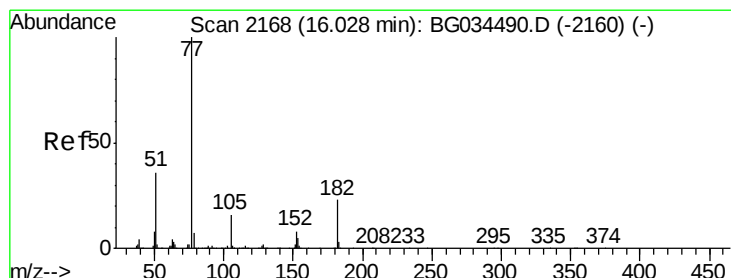
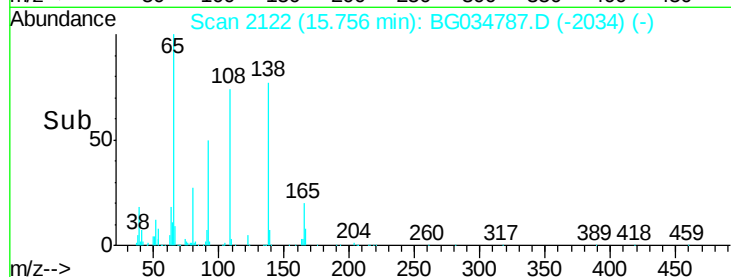
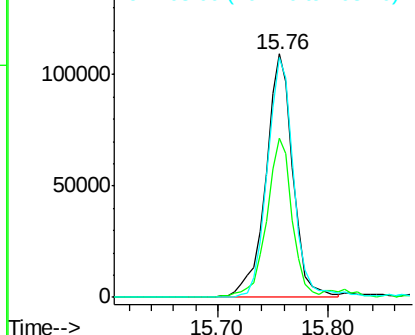


#61  
4-Nitroaniline  
Concen: 45.767 ng  
RT: 15.76 min Scan# 2122  
Delta R.T. -0.01 min  
Lab File: BG034787.D  
Acq: 29 May 2018 21:31

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 65.2  | 40.1  | 80.1  |
| 108     | 98.4  | 65.4  | 105.4 |

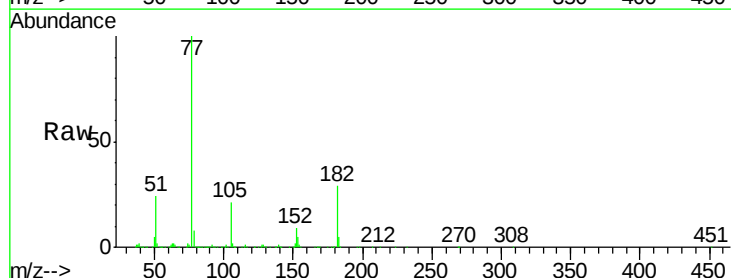


Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 92.00 (91.70 to 92.70): BGC  
Ion 108.00 (107.70 to 108.70): E

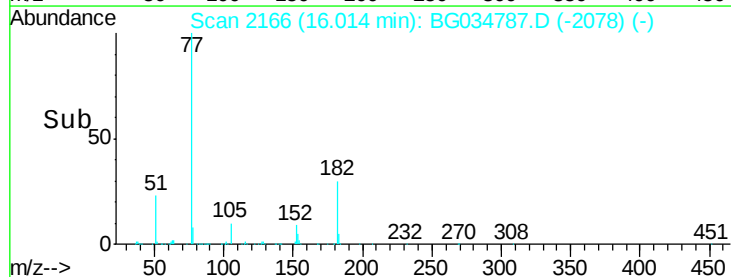
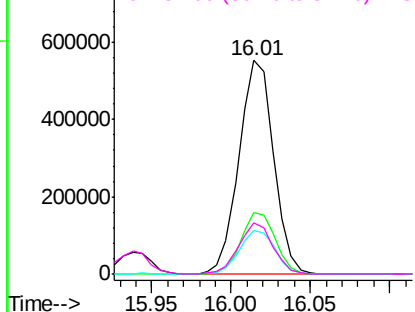


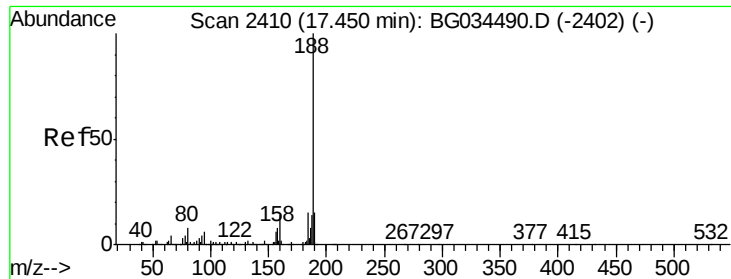
#62  
Azobenzene  
Concen: 39.896 ng  
RT: 16.01 min Scan# 2166  
Delta R.T. -0.01 min  
Lab File: BG034787.D  
Acq: 29 May 2018 21:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 182     | 28.5  | 7.4   | 47.4  |
| 105     | 20.6  | 0.3   | 40.3  |
| 51      | 24.2  | 11.6  | 51.6  |



Abundance Ion 77.00 (76.70 to 77.70): BGC  
Ion 182.00 (181.70 to 182.70): E  
Ion 105.00 (104.70 to 105.70): E  
Ion 51.00 (50.70 to 51.70): BGC





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.44 min Scan# 2408

Delta R.T. -0.01 min

Lab File: BG034787.D

Acq: 29 May 2018 21:31

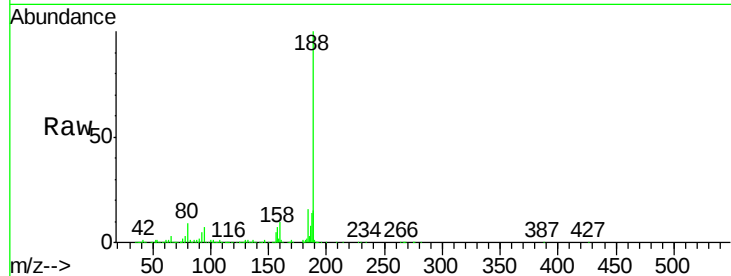
Tot Ion:188 Resp: 581620

Ion Ratio Lower Upper

188 100

94 7.3 6.9 10.3

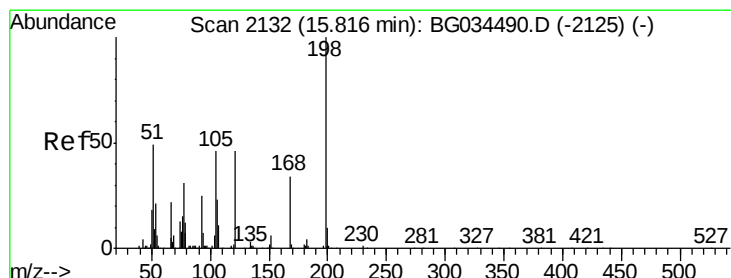
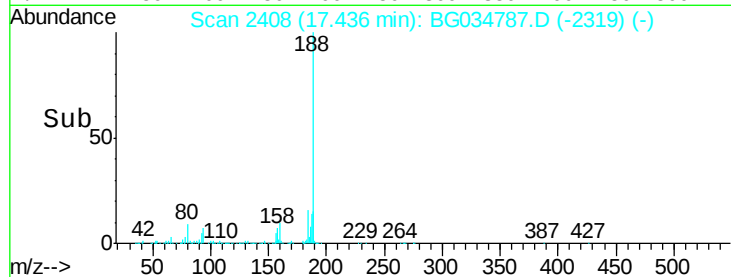
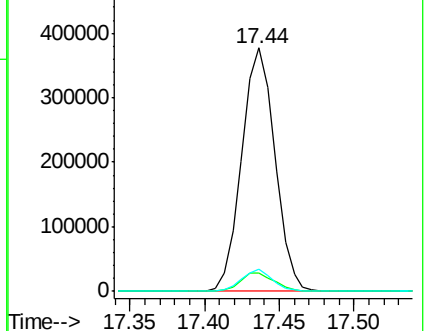
80 8.9 7.7 11.5



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: 42.423 ng

RT: 15.81 min Scan# 2132

Delta R.T. -0.01 min

Lab File: BG034787.D

Acq: 29 May 2018 21:31

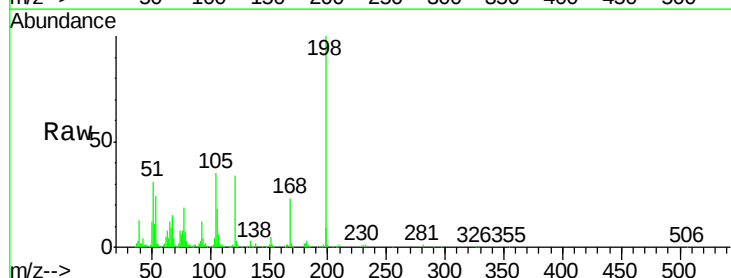
Tgt Ion:198 Resp: 158222

Ion Ratio Lower Upper

198 100

51 30.9 30.6 70.6

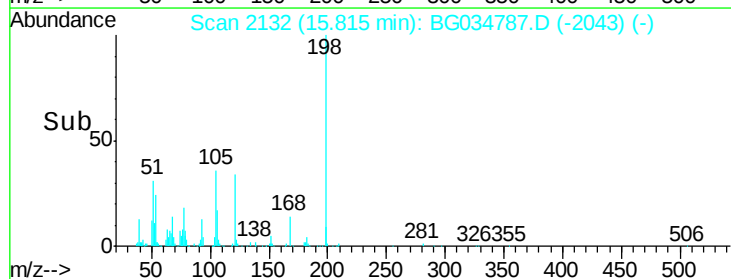
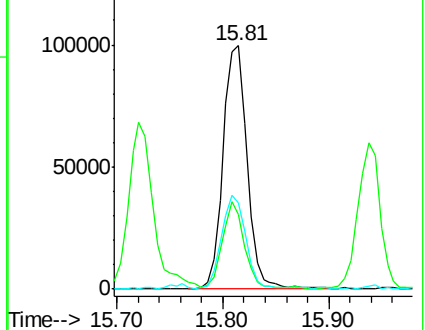
105 35.3 23.8 63.8

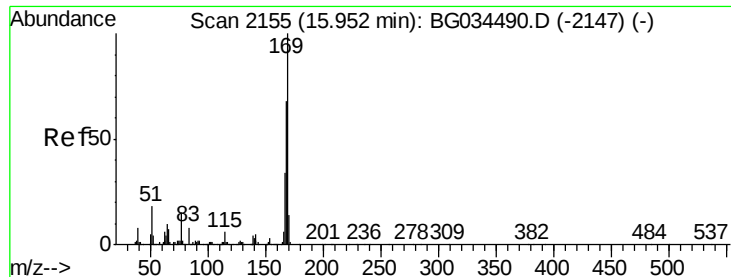


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 46.812 ng

RT: 15.94 min Scan# 2153

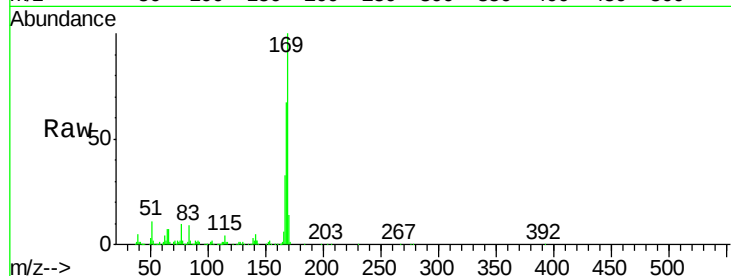
Delta R.T. -0.01 min

Lab File: BG034787.D

Acq: 29 May 2018 21:31

Tot Ion:169 Resp: 796183

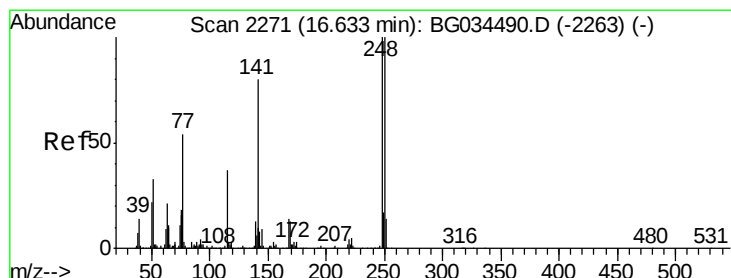
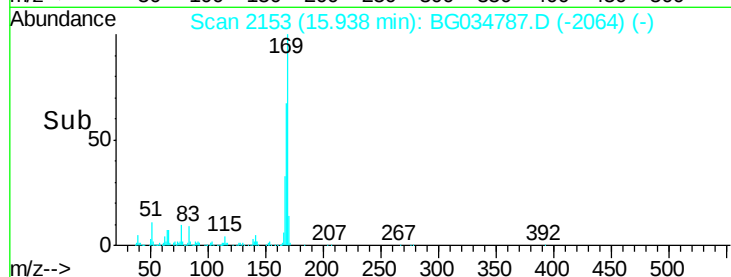
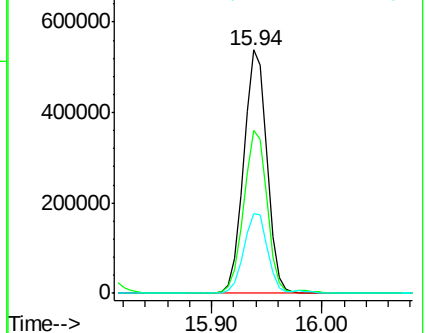
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 169 | 100   |       |       |
| 168 | 66.8  | 55.7  | 83.5  |
| 167 | 32.7  | 30.1  | 45.1  |



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 47.761 ng

RT: 16.62 min Scan# 2269

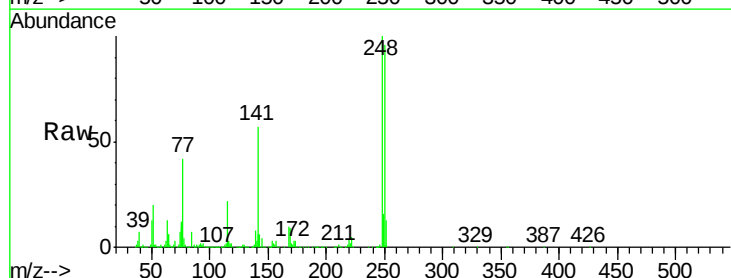
Delta R.T. -0.01 min

Lab File: BG034787.D

Acq: 29 May 2018 21:31

Tgt Ion:248 Resp: 365581

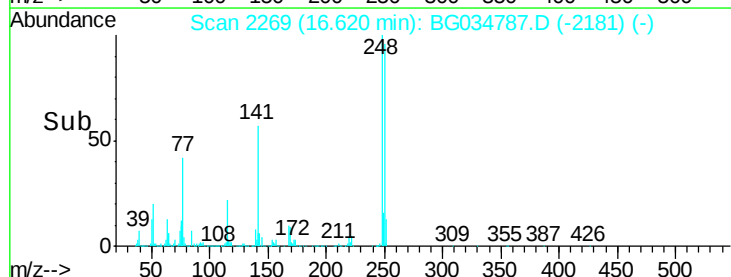
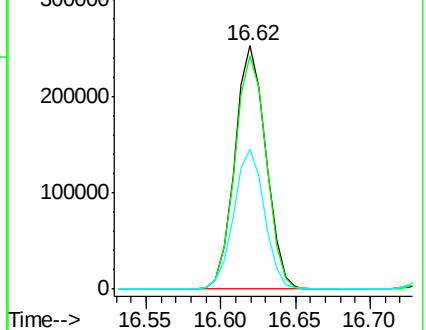
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 248 | 100   |       |       |
| 250 | 96.0  | 77.1  | 115.7 |
| 141 | 57.3  | 50.8  | 76.2  |

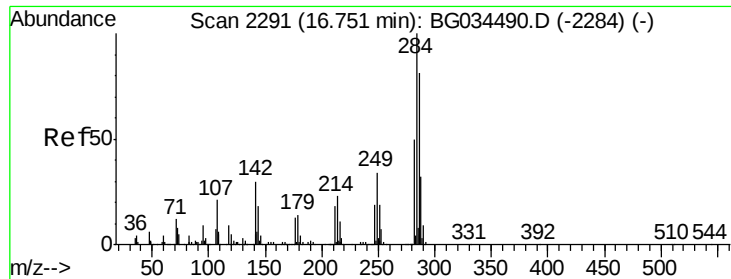


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

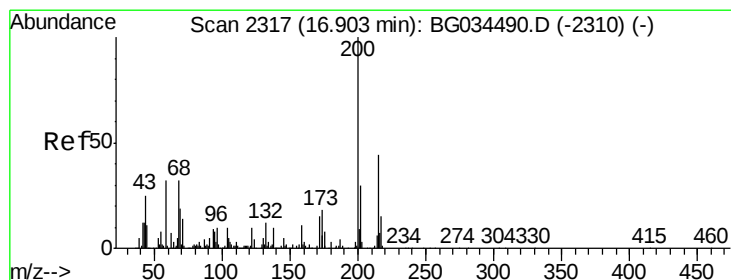
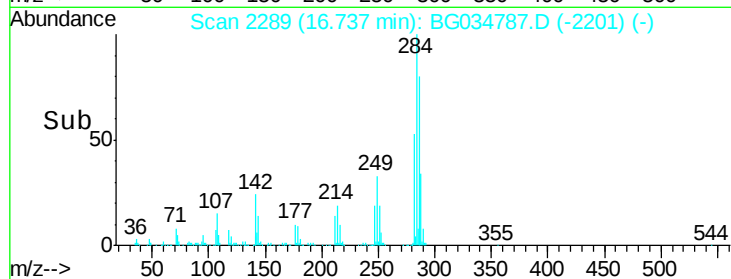
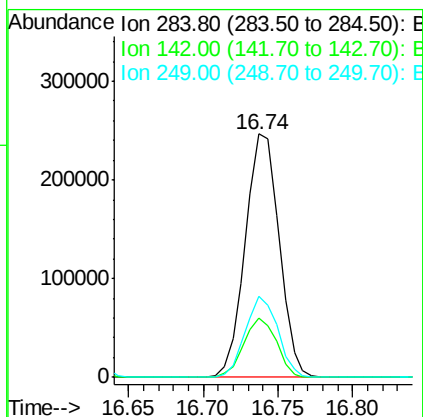
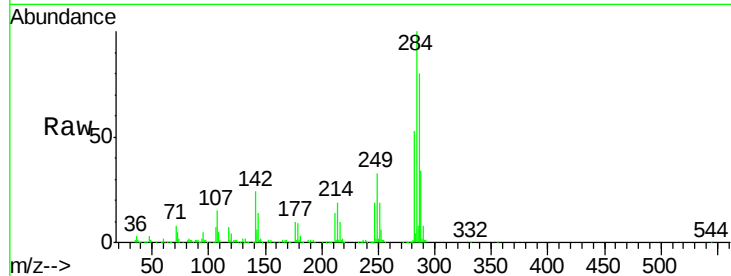
Ion 141.00 (140.70 to 141.70): E





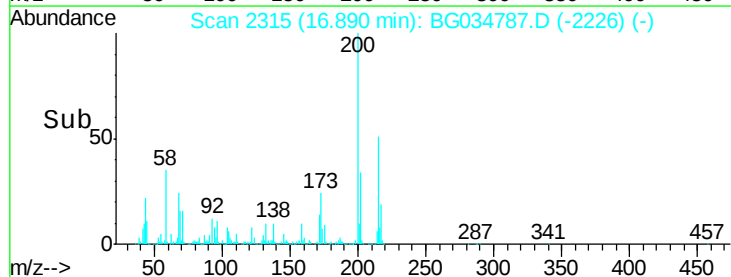
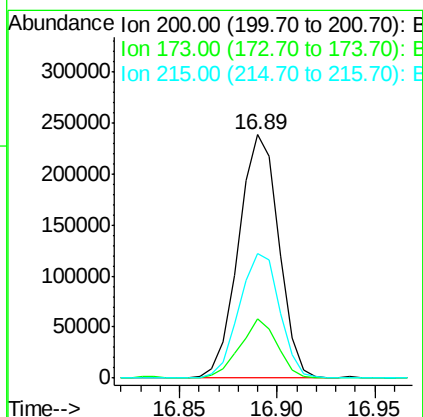
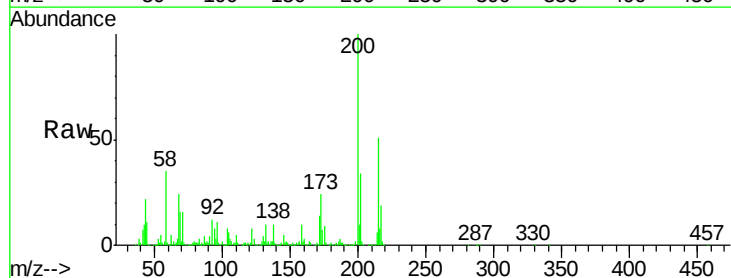
#67  
Hexachlorobenzene  
Concen: 45.776 ng  
RT: 16.74 min Scan# 2289  
Delta R.T. -0.01 min  
Lab File: BG034787.D  
Acq: 29 May 2018 21:31

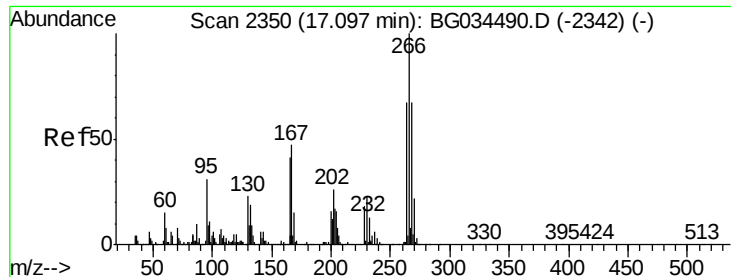
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 24.4  | 26.8  | 40.2# |
| 249     | 33.4  | 26.3  | 39.5  |



#68  
Atrazine  
Concen: 45.255 ng  
RT: 16.89 min Scan# 2315  
Delta R.T. -0.01 min  
Lab File: BG034787.D  
Acq: 29 May 2018 21:31

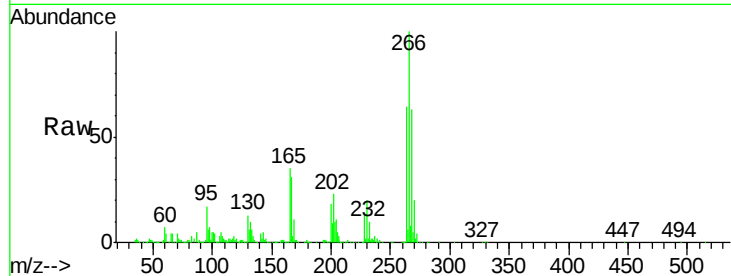
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 24.4  | 5.2   | 45.2  |
| 215     | 51.0  | 30.4  | 70.4  |



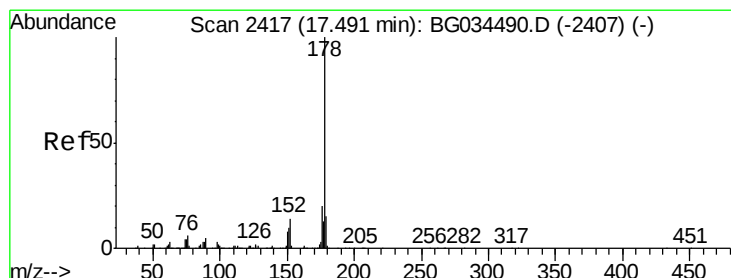
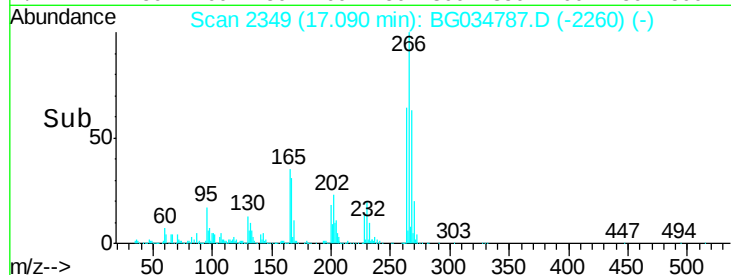
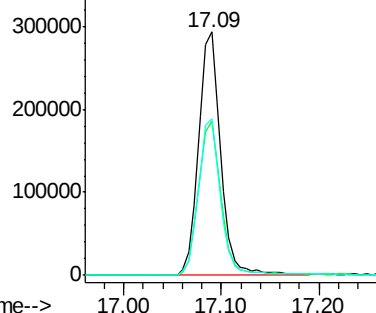


#69  
 Pentachlorophenol  
 Concen: 90.646 ng  
 RT: 17.09 min Scan# 2349  
 Delta R.T. -0.01 min  
 Lab File: BG034787.D  
 Acq: 29 May 2018 21:31

|     |         |       |        |
|-----|---------|-------|--------|
| Tot | Ion:266 | Resp: | 462372 |
| Ion | Ratio   | Lower | Upper  |
| 266 | 100     |       |        |
| 268 | 63.4    | 51.1  | 76.7   |
| 264 | 64.3    | 49.6  | 74.4   |

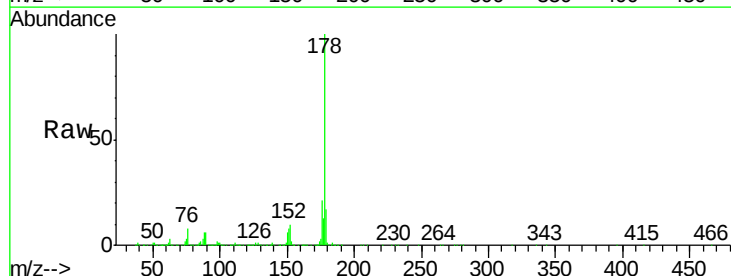


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

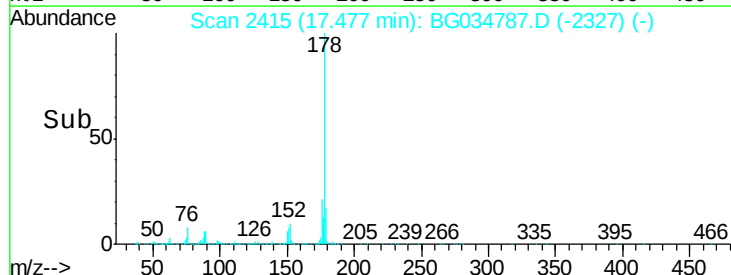
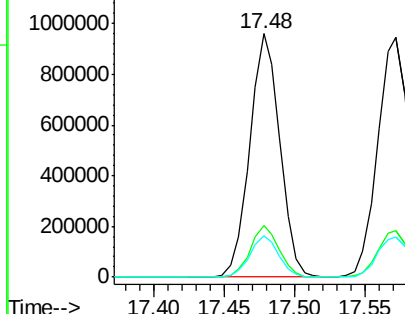


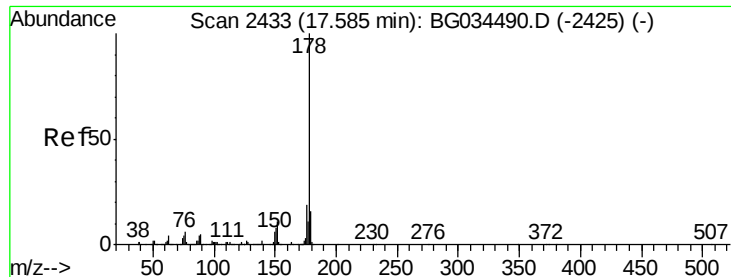
#70  
 Phenanthrene  
 Concen: 45.266 ng  
 RT: 17.48 min Scan# 2415  
 Delta R.T. -0.01 min  
 Lab File: BG034787.D  
 Acq: 29 May 2018 21:31

|     |         |       |         |
|-----|---------|-------|---------|
| Tgt | Ion:178 | Resp: | 1433960 |
| Ion | Ratio   | Lower | Upper   |
| 178 | 100     |       |         |
| 176 | 21.1    | 15.7  | 23.5    |
| 179 | 16.8    | 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: 45.438 ng

RT: 17.57 min Scan# 2431

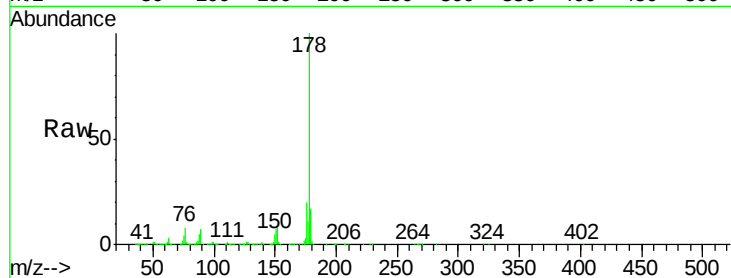
Delta R.T. -0.01 min

Lab File: BG034787.D

Acq: 29 May 2018 21:31

Tot Ion:178 Resp: 1458525

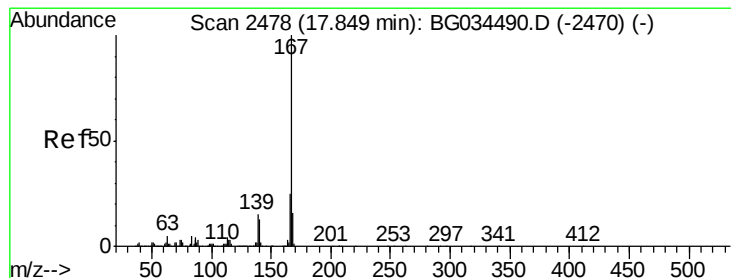
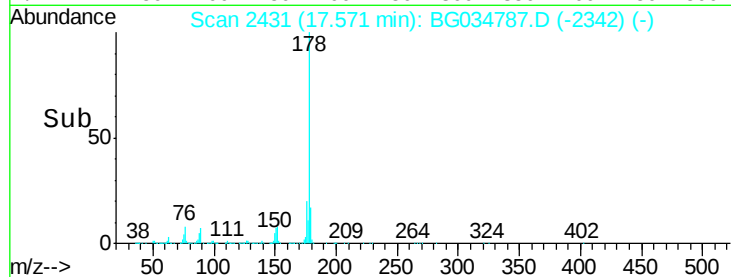
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 176 | 19.5  | 16.0  | 24.0  |
| 179 | 16.8  | 12.5  | 18.7  |



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



#72

Carbazole

Concen: 47.680 ng

RT: 17.84 min Scan# 2477

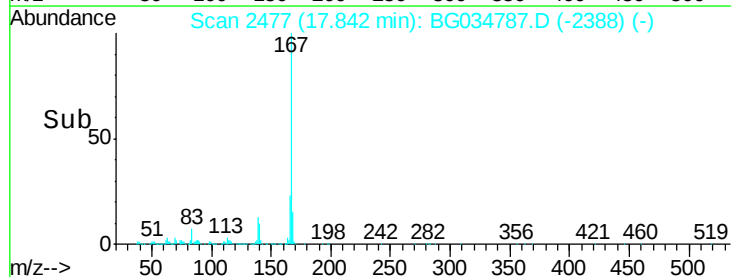
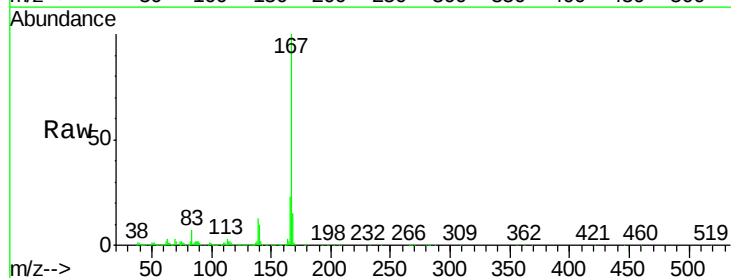
Delta R.T. -0.01 min

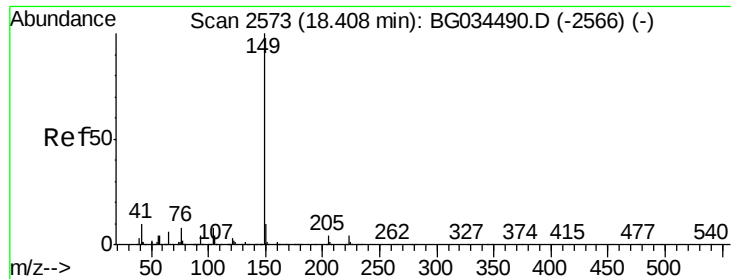
Lab File: BG034787.D

Acq: 29 May 2018 21:31

Tgt Ion:167 Resp: 1266605

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 167 | 100   |       |       |
| 166 | 22.7  | 18.2  | 27.4  |
| 139 | 12.7  | 9.4   | 14.2  |





#73

Di-n-butylphthalate

Concen: 43.303 ng

RT: 18.39 min Scan# 2571

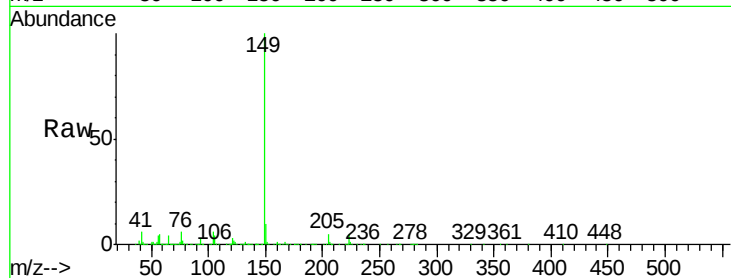
Delta R.T. -0.01 min

Lab File: BG034787.D

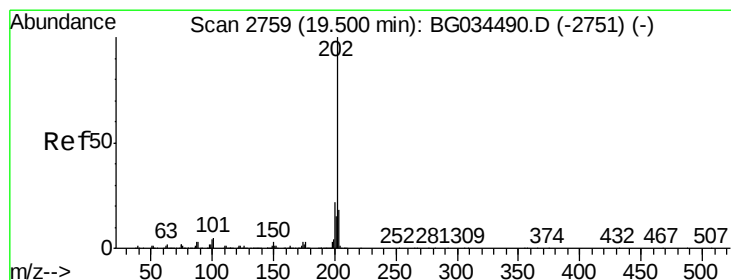
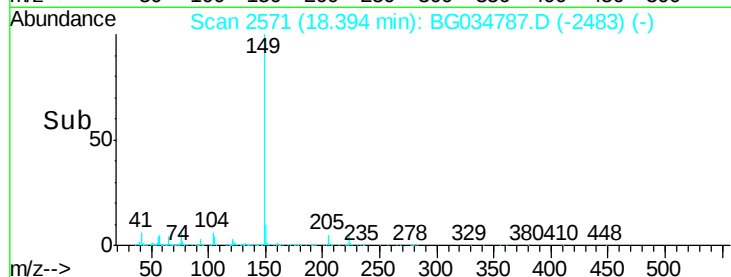
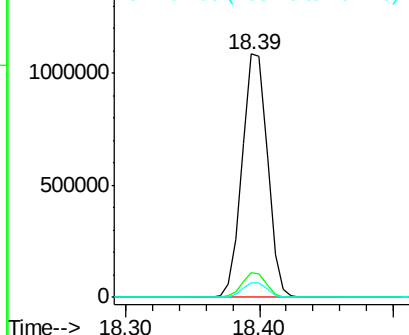
Acq: 29 May 2018 21:31

Tot Ion:149 Resp: 1424217

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 150 | 10.4  | 7.8   | 11.6  |
| 104 | 6.0   | 3.9   | 5.9#  |



Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 46.627 ng

RT: 19.49 min Scan# 2758

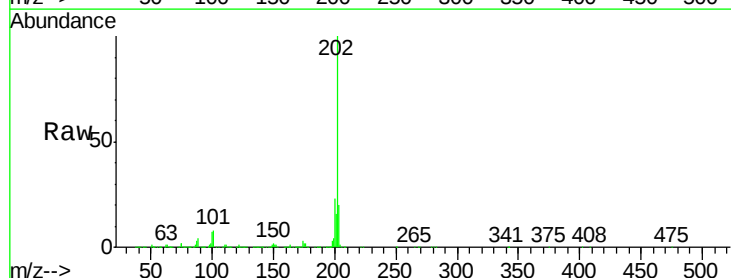
Delta R.T. -0.01 min

Lab File: BG034787.D

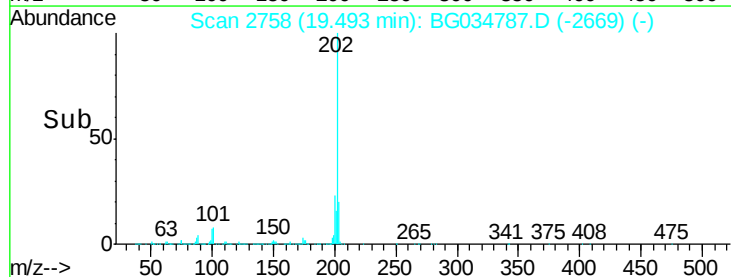
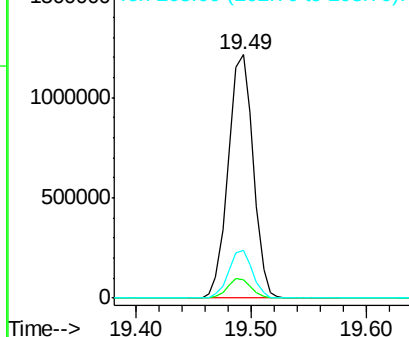
Acq: 29 May 2018 21:31

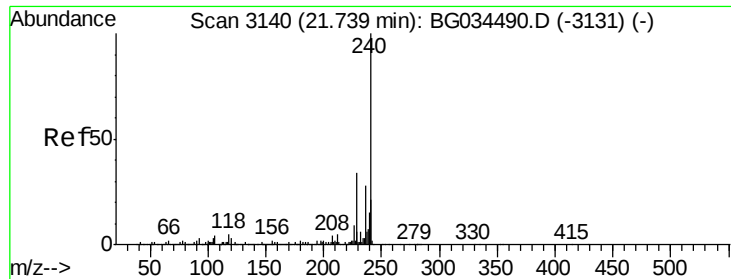
Tgt Ion:202 Resp: 1815295

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 101 | 7.6   | 0.0   | 28.9  |
| 203 | 19.8  | 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: 21.73 min Scan# 3138

Delta R.T. -0.01 min

Lab File: BG034787.D

Acq: 29 May 2018 21:31

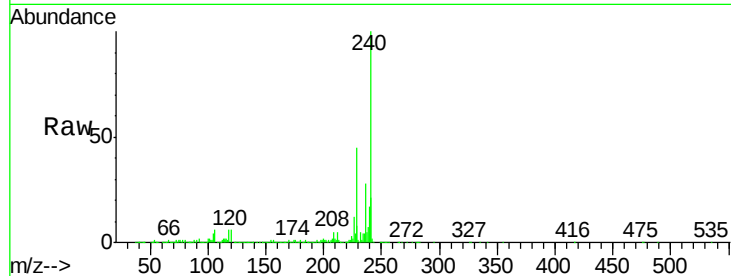
Tot Ion:240 Resp: 689294

Ion Ratio Lower Upper

240 100

120 6.3 6.8 10.2#

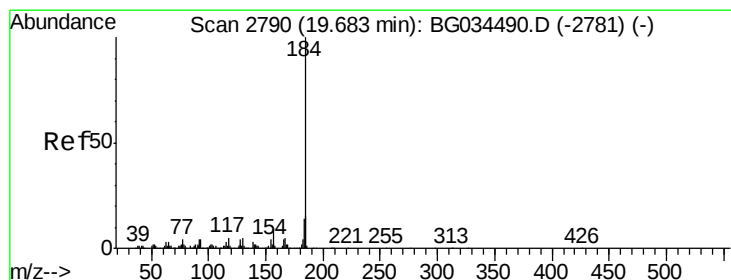
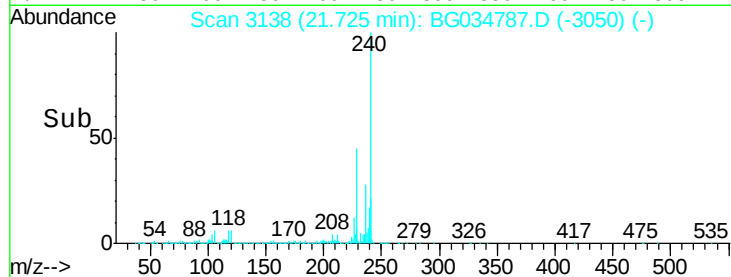
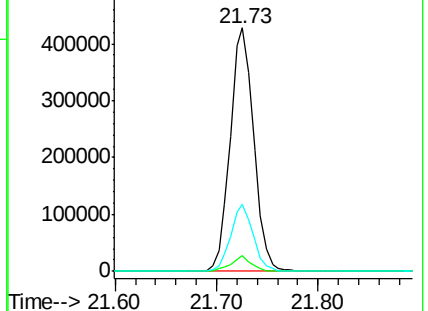
236 27.6 20.9 31.3



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



#76

Benzidine

Concen: 29.890 ng

RT: 19.67 min Scan# 2789

Delta R.T. -0.01 min

Lab File: BG034787.D

Acq: 29 May 2018 21:31

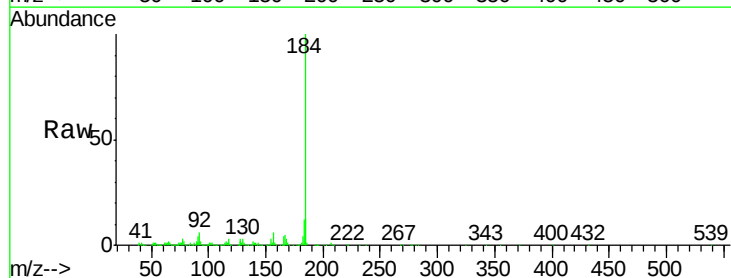
Tgt Ion:184 Resp: 540793

Ion Ratio Lower Upper

184 100

185 13.3 11.1 16.7

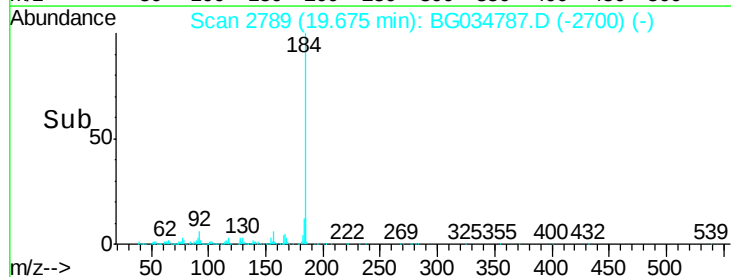
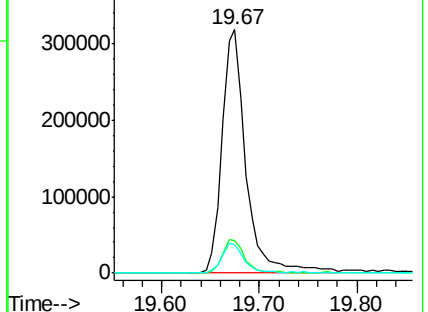
183 11.8 10.6 16.0

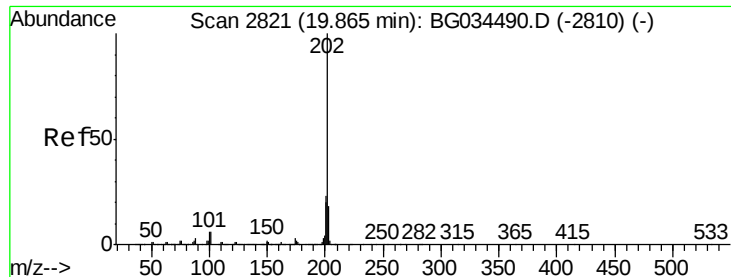


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

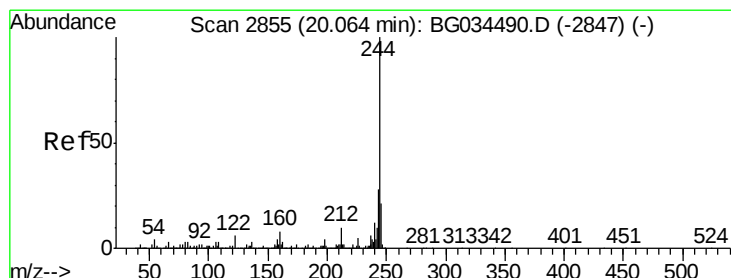
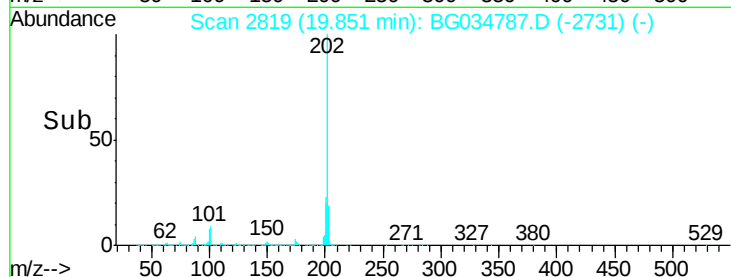
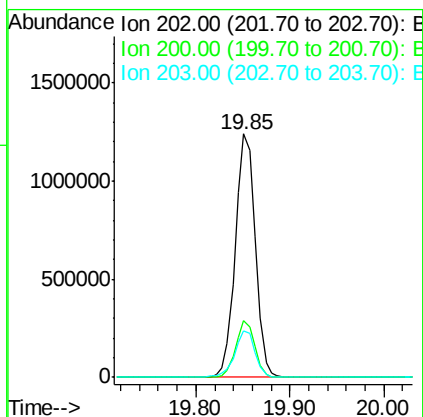
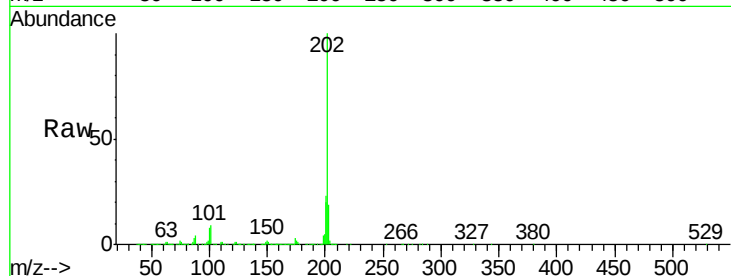
Ion 183.00 (182.70 to 183.70): E





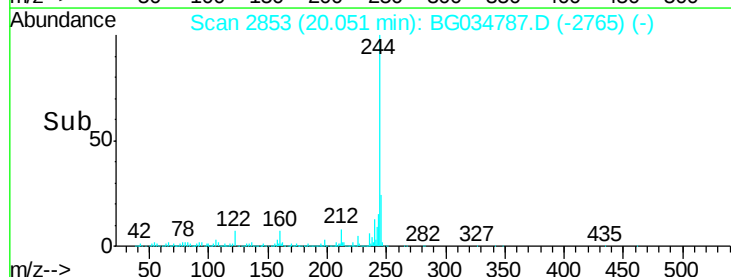
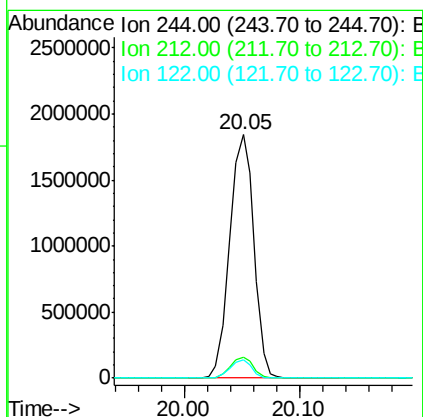
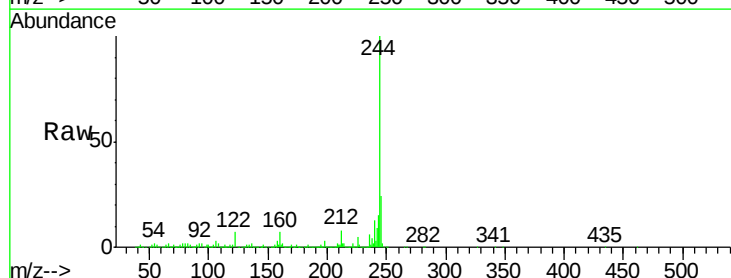
#77  
Pvrene  
Concen: 42.449 ng  
RT: 19.85 min Scan# 2819  
Delta R.T. -0.01 min  
Lab File: BG034787.D  
Acq: 29 May 2018 21:31

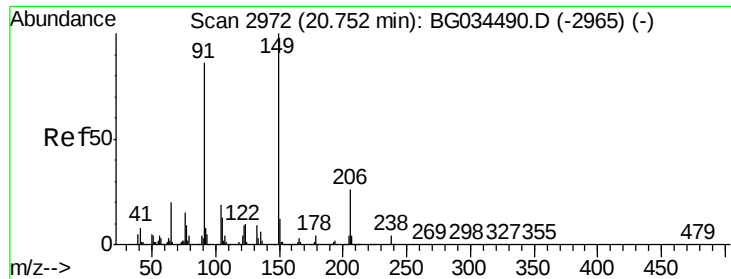
| Tot Ion: | 202   | Resp: | 1831521 |
|----------|-------|-------|---------|
| Ion      | Ratio | Lower | Upper   |
| 202      | 100   |       |         |
| 200      | 23.2  | 16.9  | 25.3    |
| 203      | 19.4  | 13.9  | 20.9    |



#78  
Terphenyl-d14  
Concen: 84.696 ng  
RT: 20.05 min Scan# 2853  
Delta R.T. -0.01 min  
Lab File: BG034787.D  
Acq: 29 May 2018 21:31

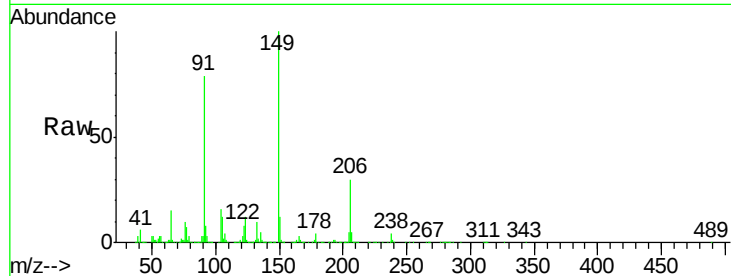
| Tgt Ion: | 244   | Resp: | 2662176 |
|----------|-------|-------|---------|
| Ion      | Ratio | Lower | Upper   |
| 244      | 100   |       |         |
| 212      | 8.4   | 5.8   | 8.8     |
| 122      | 7.4   | 7.0   | 10.4    |



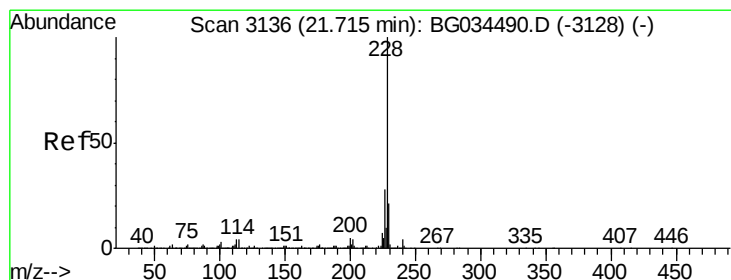
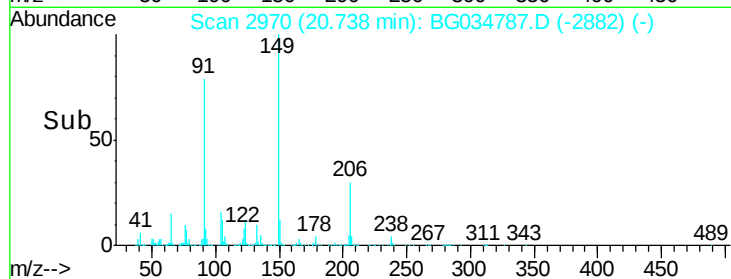
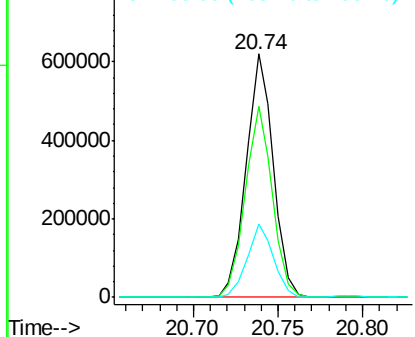


#79  
Butylbenzylphthalate  
Concen: 41.848 ng  
RT: 20.74 min Scan# 2970  
Delta R.T. -0.01 min  
Lab File: BG034787.D  
Acq: 29 May 2018 21:31

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 78.6  | 62.2  | 93.2  |
| 206     | 30.0  | 18.6  | 27.8  |

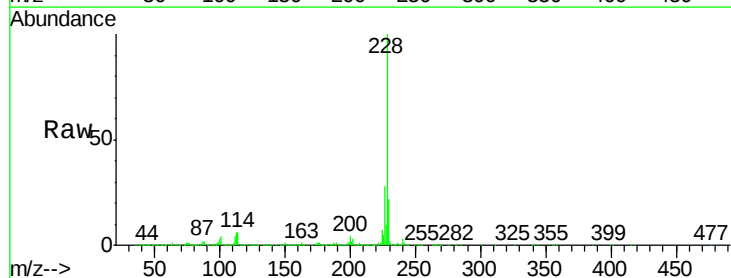


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 91.00 (90.70 to 91.70): BG  
Ion 206.00 (205.70 to 206.70): E

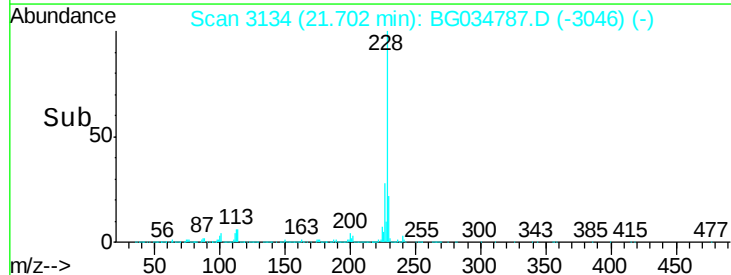
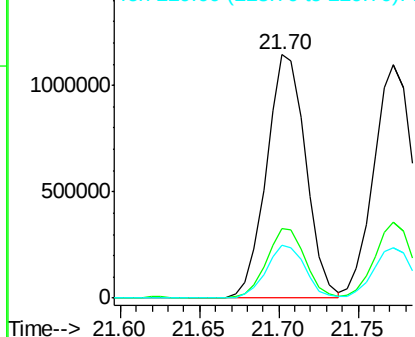


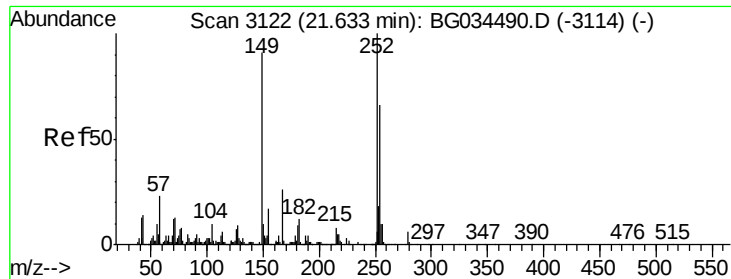
#80  
Benzo(a)anthracene  
Concen: 43.995 ng  
RT: 21.70 min Scan# 3134  
Delta R.T. -0.01 min  
Lab File: BG034787.D  
Acq: 29 May 2018 21:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 28.5  | 22.7  | 34.1  |
| 229     | 21.8  | 16.2  | 24.2  |



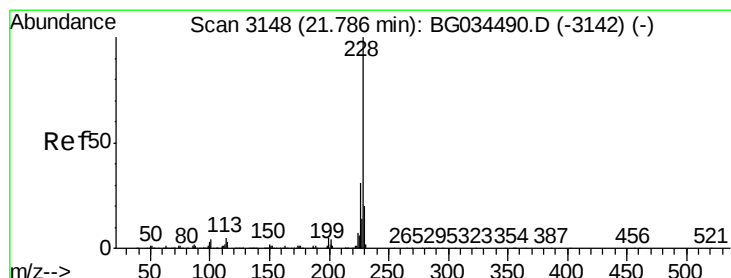
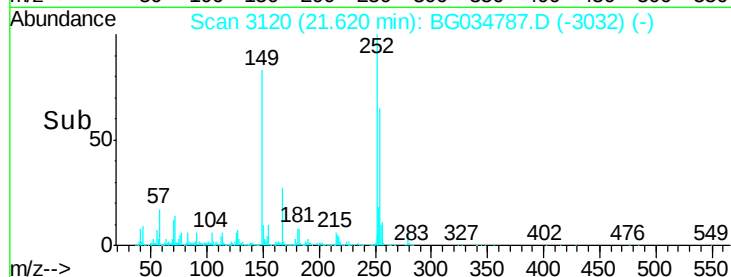
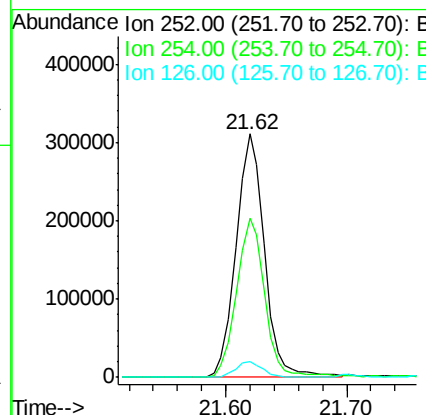
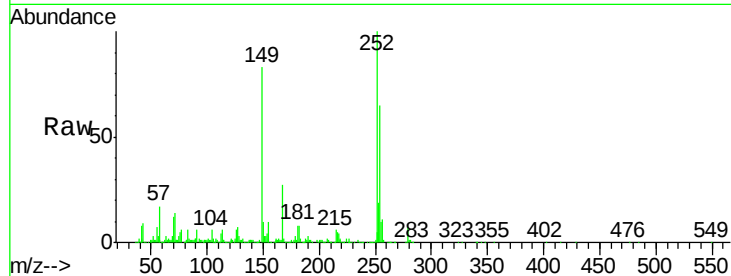
Abundance Ion 228.00 (227.70 to 228.70): E  
Ion 226.00 (225.70 to 226.70): E  
Ion 229.00 (228.70 to 229.70): E





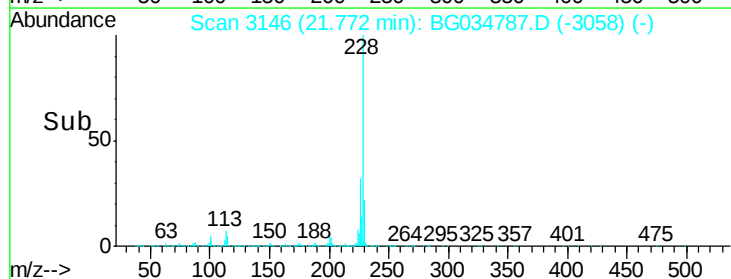
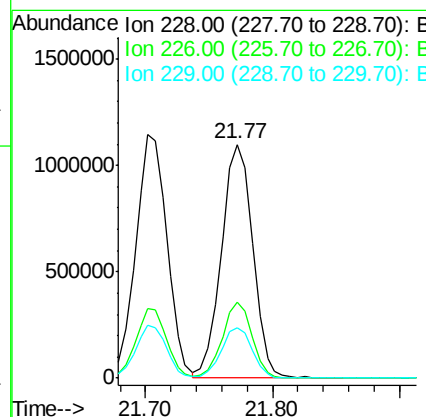
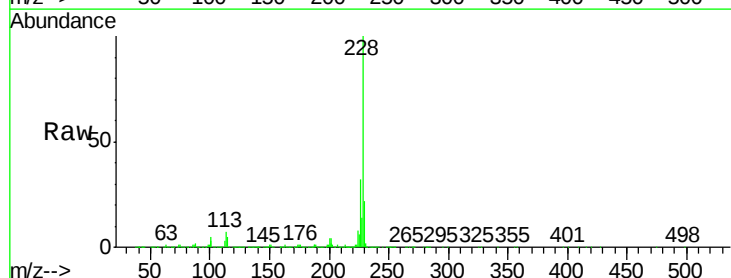
#81  
 3,3'-Dichlorobenzidine  
 Concen: 29.229 ng  
 RT: 21.62 min Scan# 3120  
 Delta R.T. -0.01 min  
 Lab File: BG034787.D  
 Acq: 29 May 2018 21:31

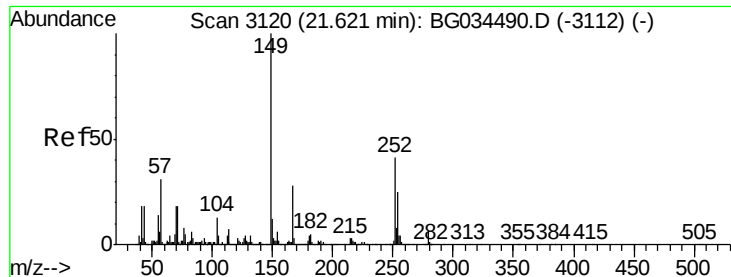
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 65.5  | 50.8  | 76.2  |
| 126     | 6.2   | 7.4   | 11.2# |



#82  
 Chrysene  
 Concen: 45.836 ng  
 RT: 21.77 min Scan# 3146  
 Delta R.T. -0.01 min  
 Lab File: BG034787.D  
 Acq: 29 May 2018 21:31

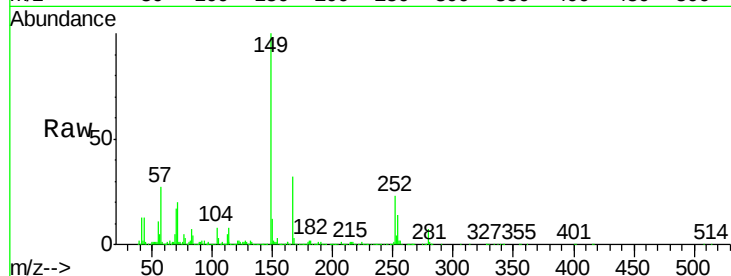
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 32.4  | 24.9  | 37.3  |
| 229     | 21.6  | 15.0  | 22.4  |



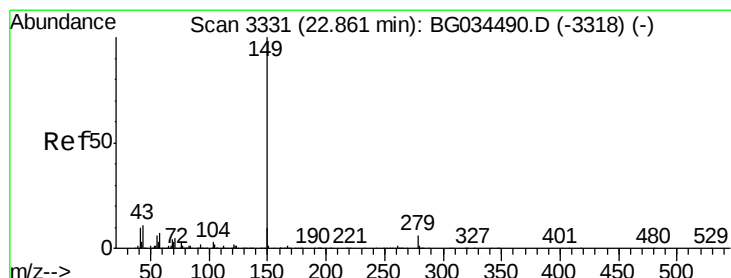
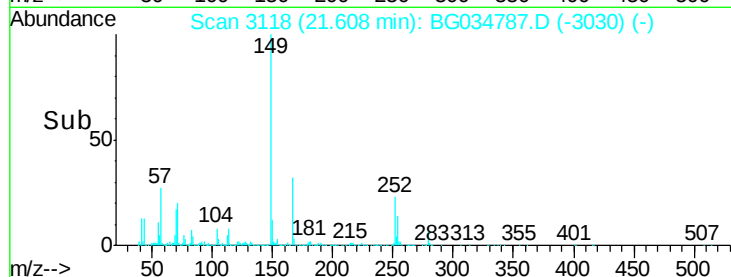
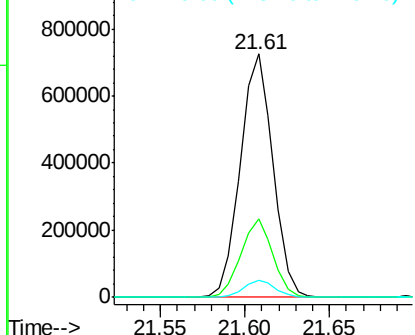


#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 43.133 ng  
 RT: 21.61 min Scan# 3118  
 Delta R.T. -0.01 min  
 Lab File: BG034787.D  
 Acq: 29 May 2018 21:31

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 32.1  | 24.3  | 36.5  |
| 279     | 7.0   | 4.0   | 6.0   |

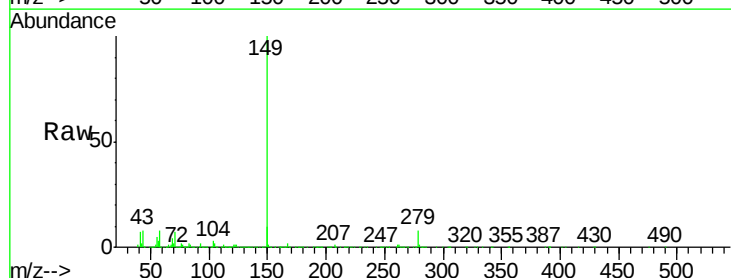


Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 167.00 (166.70 to 167.70): E  
 Ion 279.00 (278.70 to 279.70): E

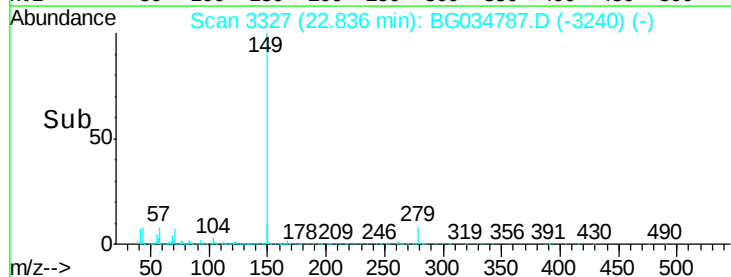
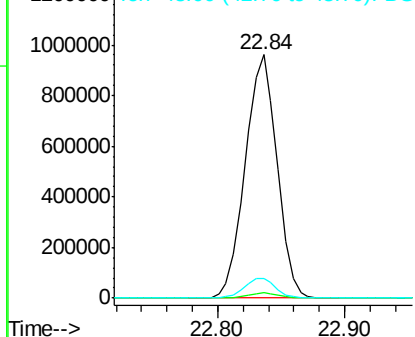


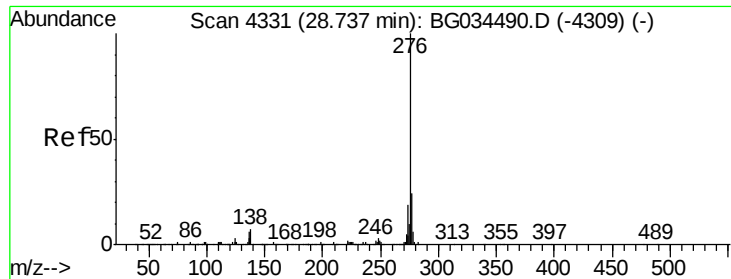
#84  
 Di-n-octyl phthalate  
 Concen: 44.226 ng  
 RT: 22.84 min Scan# 3327  
 Delta R.T. -0.02 min  
 Lab File: BG034787.D  
 Acq: 29 May 2018 21:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 1.9   | 1.4   | 2.0   |
| 43      | 8.0   | 8.9   | 13.3  |



Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 167.00 (166.70 to 167.70): E  
 Ion 43.00 (42.70 to 43.70): BG

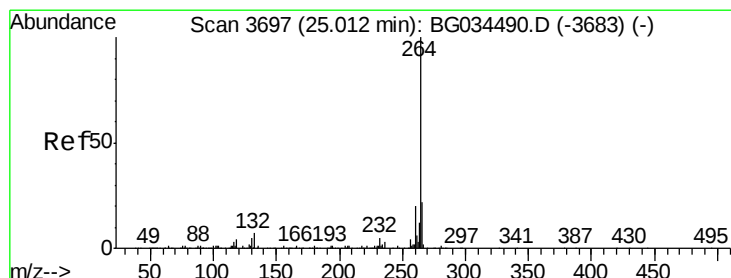
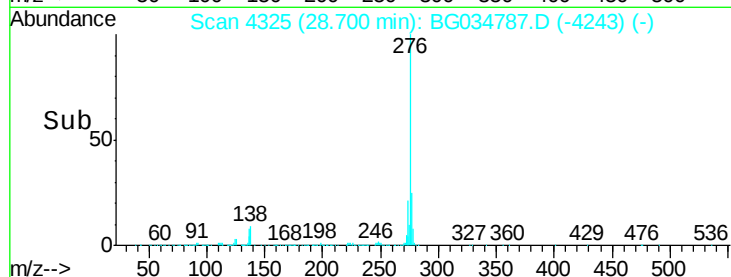
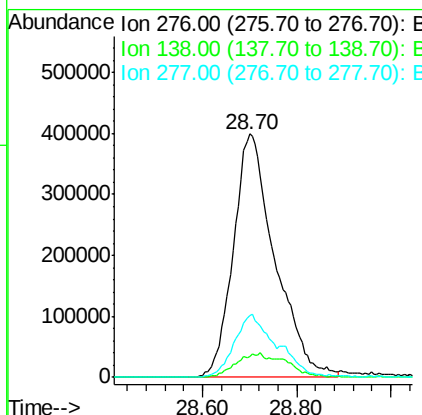
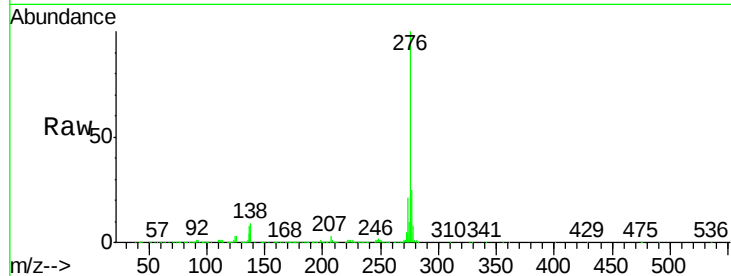




#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 46.629 ng  
 RT: 28.70 min Scan# 4325  
 Delta R.T. -0.05 min  
 Lab File: BG034787.D  
 Acq: 29 May 2018 21:31

Tot Ion:276 Resp: 2450793

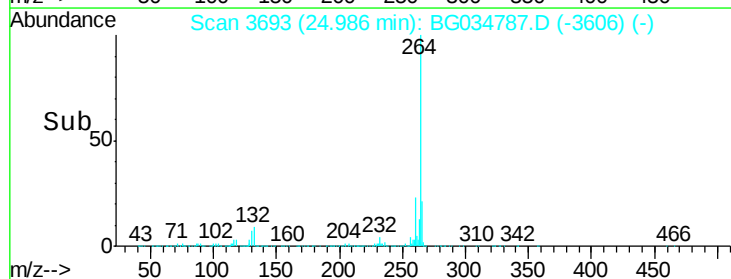
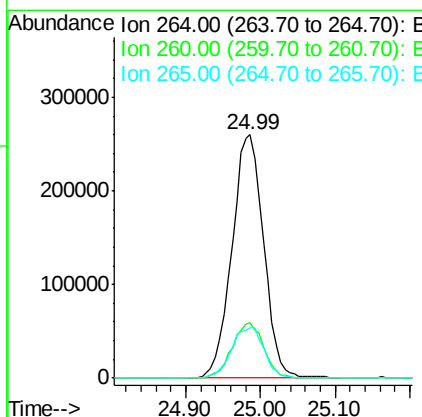
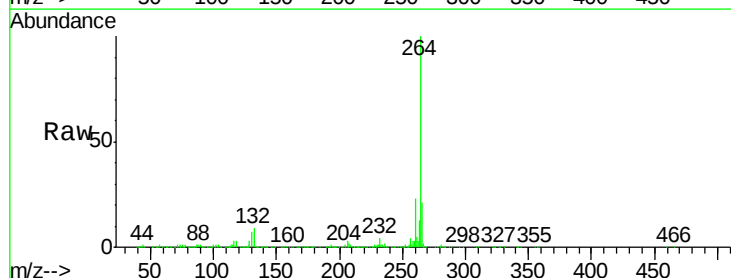
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 138 | 0.0   | 16.0  | 24.0# |
| 277 | 20.9  | 20.0  | 30.0  |

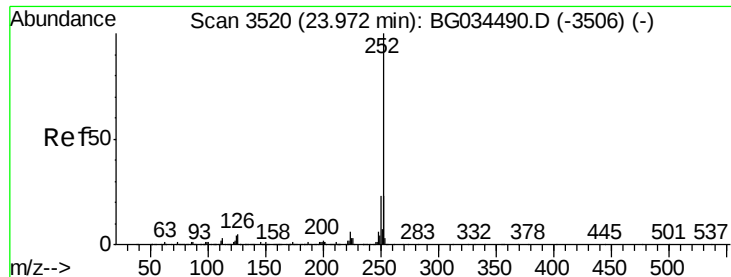


#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 24.99 min Scan# 3693  
 Delta R.T. -0.02 min  
 Lab File: BG034787.D  
 Acq: 29 May 2018 21:31

Tgt Ion:264 Resp: 765735

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 22.9  | 17.4  | 26.0  |
| 265 | 20.8  | 17.7  | 26.5  |





#87

Benzo(b)fluoranthene

Concen: 43.970 ng

RT: 23.95 min Scan# 3516

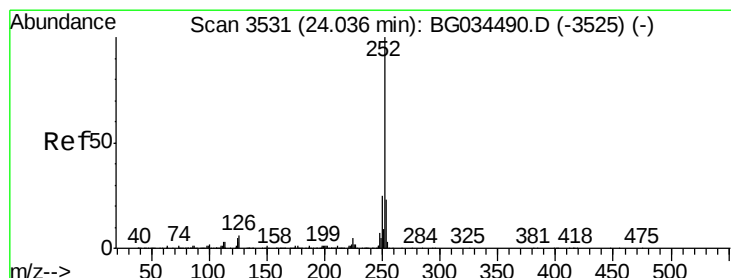
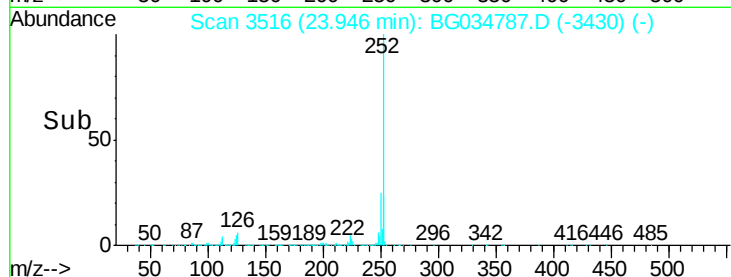
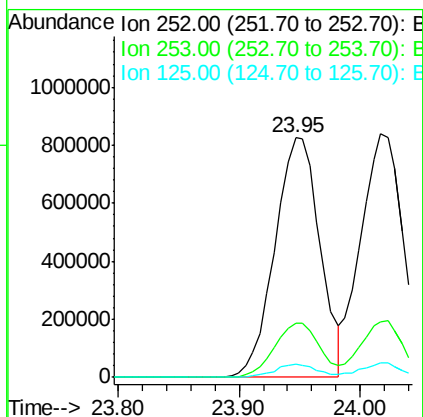
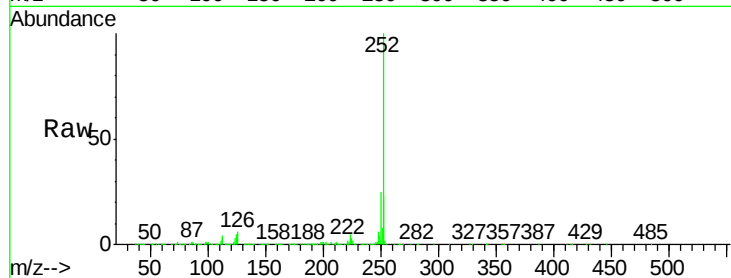
Delta R.T. -0.02 min

Lab File: BG034787.D

Acq: 29 May 2018 21:31

Tot Ion:252 Resp: 2130523

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 22.5  | 18.2  | 27.4  |
| 125 | 5.5   | 7.2   | 10.8# |



#88

Benzo(k)fluoranthene

Concen: 44.481 ng

RT: 24.02 min Scan# 3528

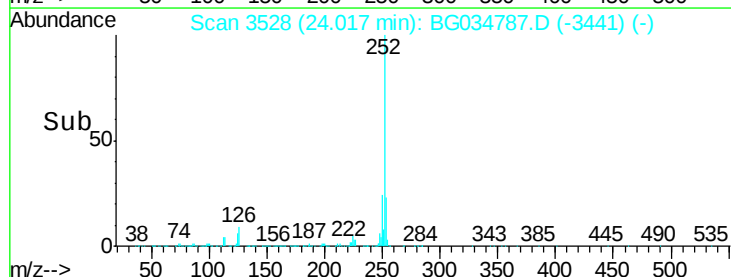
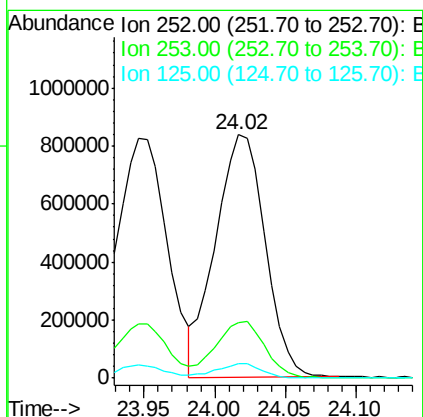
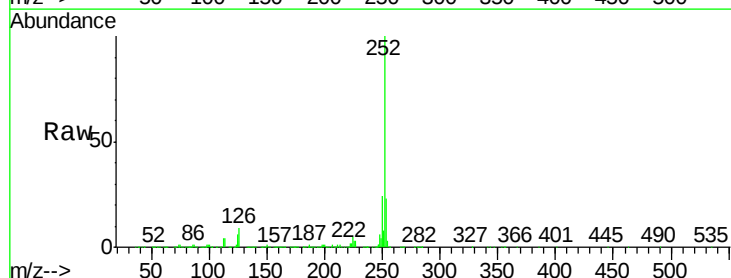
Delta R.T. -0.02 min

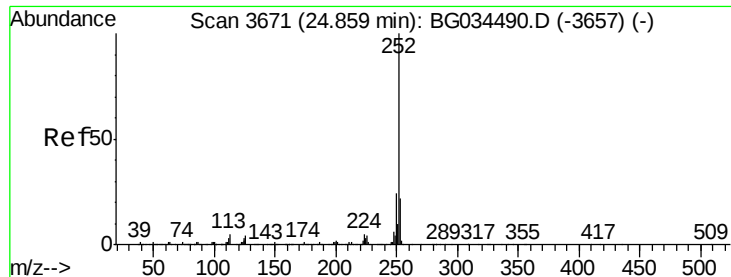
Lab File: BG034787.D

Acq: 29 May 2018 21:31

Tgt Ion:252 Resp: 2047364

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 22.9  | 17.4  | 26.2  |
| 125 | 5.9   | 6.6   | 9.8#  |





#89

Benzo(a)pyrene

Concen: 44.880 ng

RT: 24.83 min Scan# 3667

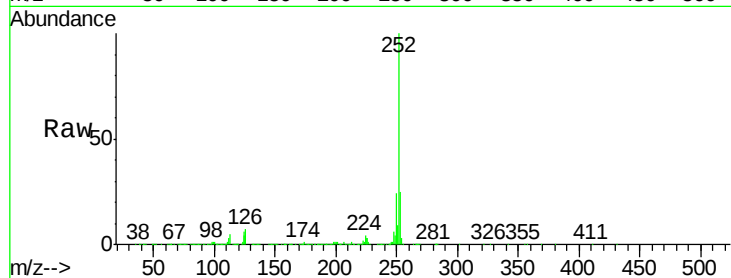
Delta R.T. -0.02 min

Lab File: BG034787.D

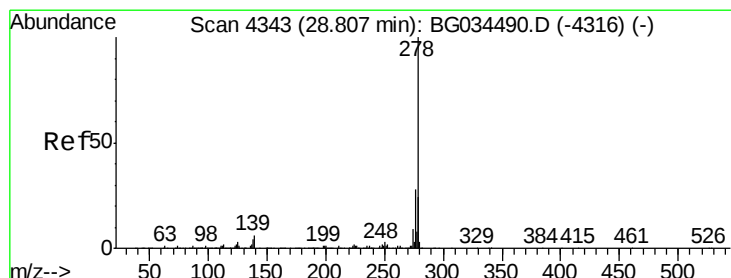
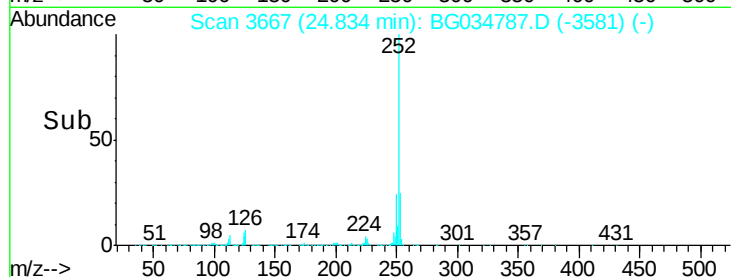
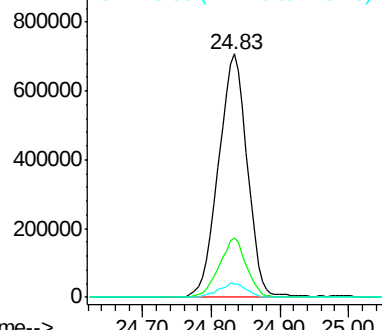
Acq: 29 May 2018 21:31

Tot Ion:252 Resp: 2064046

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 24.5  | 18.3  | 27.5  |
| 125 | 5.5   | 7.3   | 10.9# |



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: 44.936 ng

RT: 28.77 min Scan# 4337

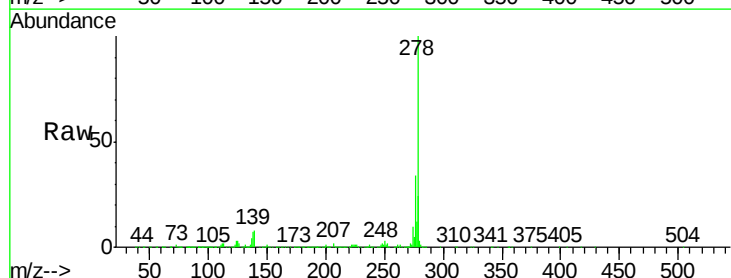
Delta R.T. -0.04 min

Lab File: BG034787.D

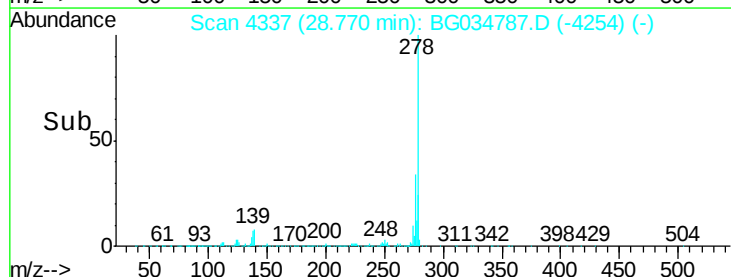
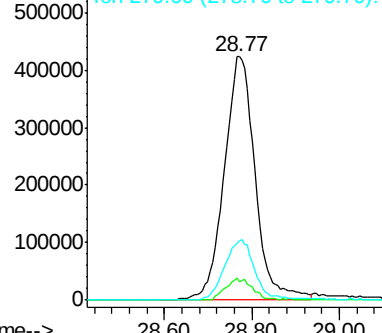
Acq: 29 May 2018 21:31

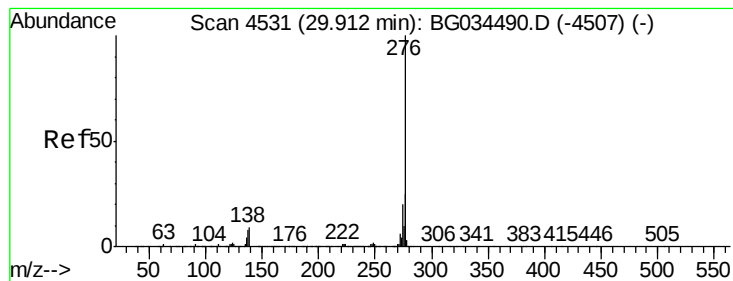
Tgt Ion:278 Resp: 2049377

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 278 | 100   |       |       |
| 139 | 7.7   | 9.8   | 14.6# |
| 279 | 24.5  | 18.4  | 27.6  |



Abundance Ion 278.00 (277.70 to 278.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 44.755 ng

RT: 29.87 min Scan# 4525

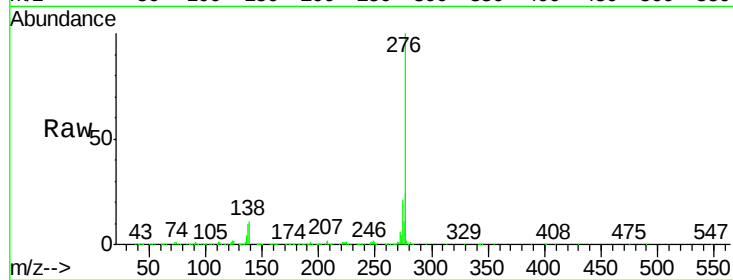
Delta R.T. -0.04 min

Lab File: BG034787.D

Acq: 29 May 2018 21:31

Tot Ion:276 Resp: 2051829

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 277 | 24.3  | 18.3  | 27.5  |
| 138 | 10.8  | 13.9  | 20.9  |



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

