

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080116\  
 Data File : BG023389.D  
 Acq On : 1 Aug 2016 18:37  
 Operator : UM/SJ  
 Sample : SSTDICV040  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Aug 01 19:22:32 2016  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG080116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 01 19:22:14 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.12  | 152  | 151718   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.96 | 136  | 759747   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 14.79 | 164  | 547465   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 17.55 | 188  | 1365926  | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 21.86 | 240  | 1194229  | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 25.24 | 264  | 1183877  | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |       |    |      |
|--------------------------|-------|-----|---------|-------|----|------|
| 5) 2-Fluorophenol        | 5.66  | 112 | 706600  | 78.40 | ng | 0.00 |
| 7) Phenol-d6             | 7.28  | 99  | 1180599 | 84.10 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 9.30  | 82  | 1170376 | 76.59 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.28 | 330 | 657383  | 82.09 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 13.40 | 172 | 2367187 | 72.93 | ng | 0.00 |
| 78) Terphenyl-d14        | 20.15 | 244 | 3214463 | 84.01 | ng | 0.00 |

## Target Compounds

|                                |       |     |         |       |    | Qvalue |
|--------------------------------|-------|-----|---------|-------|----|--------|
| 2) 1,4-Dioxane                 | 3.52  | 88  | 136709  | 35.60 | ng | # 93   |
| 3) Pyridine                    | 3.93  | 79  | 476282  | 37.74 | ng | # 93   |
| 4) n-Nitrosodimethylamine      | 3.85  | 42  | 182911  | 39.09 | ng | # 74   |
| 6) Aniline                     | 7.44  | 93  | 750001  | 36.98 | ng | 96     |
| 8) 2-Chlorophenol              | 7.68  | 128 | 409357  | 39.53 | ng | 100    |
| 9) Benzaldehyde                | 7.25  | 77  | 367743  | 48.78 | ng | 95     |
| 10) Phenol                     | 7.30  | 94  | 599002  | 39.88 | ng | 80     |
| 11) bis(2-Chloroethyl)ether    | 7.53  | 93  | 471583  | 39.37 | ng | 90     |
| 12) 1,3-Dichlorobenzene        | 8.01  | 146 | 446637  | 37.67 | ng | 92     |
| 13) 1,4-Dichlorobenzene        | 8.16  | 146 | 459818  | 37.89 | ng | 95     |
| 14) 1,2-Dichlorobenzene        | 8.48  | 146 | 444020  | 37.30 | ng | # 93   |
| 15) Benzyl Alcohol             | 8.36  | 79  | 431692  | 40.58 | ng | 92     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.64  | 45  | 706872  | 40.12 | ng | 89     |
| 17) 2-Methylphenol             | 8.57  | 107 | 412951  | 41.01 | ng | # 86   |
| 18) Hexachloroethane           | 9.21  | 117 | 175580  | 38.44 | ng | 95     |
| 19) n-Nitroso-di-n-propylamine | 8.93  | 70  | 491164  | 40.67 | ng | 94     |
| 20) 3+4-Methylphenols          | 8.90  | 107 | 587046  | 41.36 | ng | 91     |
| 22) Acetophenone               | 8.95  | 105 | 791896  | 38.07 | ng | # 90   |
| 24) Nitrobenzene               | 9.34  | 77  | 681782  | 40.29 | ng | 92     |
| 25) Isophorone                 | 9.86  | 82  | 1290093 | 40.53 | ng | # 93   |
| 26) 2-Nitrophenol              | 10.06 | 139 | 286576  | 40.12 | ng | # 79   |
| 27) 2,4-Dimethylphenol         | 10.11 | 122 | 484519  | 39.84 | ng | 87     |
| 28) bis(2-Chloroethoxy)methane | 10.34 | 93  | 680495  | 35.56 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 10.60 | 162 | 486933  | 39.82 | ng | 98     |
| 30) 1,2,4-Trichlorobenzene     | 10.81 | 180 | 505179  | 38.31 | ng | 96     |
| 31) Naphthalene                | 11.01 | 128 | 1430660 | 36.98 | ng | 99     |
| 32) Benzoic acid               | 10.27 | 122 | 411995  | 38.30 | ng | 93     |
| 33) 4-Chloroaniline            | 11.11 | 127 | 669313  | 36.19 | ng | 92     |
| 34) Hexachlorobutadiene        | 11.28 | 225 | 321713  | 37.09 | ng | 96     |
| 35) Caprolactam                | 11.90 | 113 | 214257  | 41.65 | ng | 94     |
| 36) 4-Chloro-3-methylphenol    | 12.24 | 107 | 626531  | 39.00 | ng | 89     |
| 37) 2-Methylnaphthalene        | 12.61 | 142 | 1098445 | 37.35 | ng | # 93   |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.98 | 216 | 735719  | 37.06 | ng | 98     |
| 40) Hexachlorocyclopentadiene  | 12.95 | 237 | 354260  | 35.39 | ng | 96     |

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 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

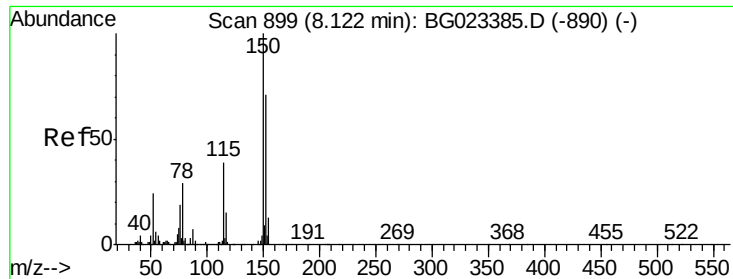
Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Aug 01 19:22:32 2016  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG080116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 01 19:22:14 2016  
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| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 13.22 | 196  | 452781   | 38.29 | nq    | 99       |
| 43) 2,4,5-Trichlorophenol      | 13.29 | 196  | 471614   | 38.74 | nq    | 93       |
| 45) 1,1'-Biphenyl              | 13.62 | 154  | 1550275  | 37.04 | nq    | 95       |
| 46) 2-Chloronaphthalene        | 13.66 | 162  | 1200907  | 37.09 | nq    | 95       |
| 47) 2-Nitroaniline             | 13.87 | 65   | 496459   | 36.93 | nq    | # 85     |
| 48) Acenaphthylene             | 14.51 | 152  | 1933850  | 37.79 | nq    | 97       |
| 49) Dimethylphthalate          | 14.23 | 163  | 1665369  | 39.65 | nq    | 97       |
| 50) 2,6-Dinitrotoluene         | 14.36 | 165  | 396588   | 39.87 | nq    | # 80     |
| 51) Acenaphthene               | 14.85 | 154  | 1235567  | 38.11 | nq    | 97       |
| 52) 3-Nitroaniline             | 14.70 | 138  | 422425   | 37.66 | nq    | # 82     |
| 53) 2,4-Dinitrophenol          | 14.90 | 184  | 255623   | 40.09 | nq    | # 88     |
| 54) Dibenzofuran               | 15.19 | 168  | 1752035  | 37.22 | nq    | 96       |
| 55) 4-Nitrophenol              | 15.01 | 139  | 367833   | 41.75 | nq    | # 74     |
| 56) 2,4-Dinitrotoluene         | 15.15 | 165  | 584140   | 41.84 | nq    | 89       |
| 57) Fluorene                   | 15.84 | 166  | 1579408  | 38.45 | nq    | 97       |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.33 | 232  | 443594   | 39.71 | nq    | 97       |
| 59) Diethylphthalate           | 15.60 | 149  | 1712194  | 40.16 | nq    | 95       |
| 60) 4-Chlorophenyl-phenylether | 15.83 | 204  | 847208   | 38.97 | nq    | 97       |
| 61) 4-Nitroaniline             | 15.87 | 138  | 463686   | 38.83 | nq    | # 63     |
| 62) Azobenzene                 | 16.12 | 77   | 1657664  | 38.35 | nq    | 90       |
| 64) 4,6-Dinitro-2-methylphenol | 15.92 | 198  | 391617   | 42.17 | nq    | 94       |
| 65) n-Nitrosodiphenylamine     | 16.04 | 169  | 1461070  | 36.47 | nq    | # 93     |
| 66) 4-Bromophenyl-phenylether  | 16.72 | 248  | 606210   | 38.08 | nq    | 94       |
| 67) Hexachlorobenzene          | 16.85 | 284  | 649880   | 37.31 | nq    | 98       |
| 68) Atrazine                   | 16.99 | 200  | 630881   | 41.01 | nq    | 97       |
| 69) Pentachlorophenol          | 17.19 | 266  | 411817   | 40.56 | nq    | 98       |
| 70) Phenanthrene               | 17.59 | 178  | 2501380  | 36.09 | nq    | 93       |
| 71) Anthracene                 | 17.68 | 178  | 2561192  | 36.74 | nq    | 93       |
| 72) Carbazole                  | 17.96 | 167  | 2385920  | 38.98 | nq    | 97       |
| 73) Di-n-butylphthalate        | 18.49 | 149  | 2749929  | 44.15 | nq    | # 96     |
| 74) Fluoranthene               | 19.60 | 202  | 2891113  | 44.21 | nq    | 88       |
| 76) Benzidine                  | 19.78 | 184  | 1407461  | 42.40 | nq    | 97       |
| 77) Pyrene                     | 19.96 | 202  | 2888317  | 42.15 | nq    | # 91     |
| 79) Butylbenzylphthalate       | 20.84 | 149  | 1208394  | 42.02 | nq    | 99       |
| 80) Benzo(a)anthracene         | 21.84 | 228  | 2446224  | 37.11 | nq    | 98       |
| 81) 3,3'-Dichlorobenzidine     | 21.75 | 252  | 1022843  | 37.83 | nq    | # 94     |
| 82) Chrysene                   | 21.91 | 228  | 2341426  | 37.33 | nq    | 95       |
| 83) Bis(2-ethylhexyl)phthalate | 21.72 | 149  | 1513103  | 38.42 | nq    | # 99     |
| 84) Di-n-octyl phthalate       | 22.99 | 149  | 2506638  | 37.30 | nq    | 98       |
| 85) Indeno(1,2,3-cd)pyrene     | 29.11 | 276  | 3060007  | 39.05 | nq    | # 100    |
| 87) Benzo(b)fluoranthene       | 24.16 | 252  | 2516096  | 37.77 | nq    | # 95     |
| 88) Benzo(k)fluoranthene       | 24.24 | 252  | 2454481  | 38.36 | nq    | # 94     |
| 89) Benzo(a)pyrene             | 25.08 | 252  | 2438833  | 38.50 | nq    | # 97     |
| 90) Dibenzo(a,h)anthracene     | 29.18 | 278  | 2496294  | 38.57 | nq    | # 91     |
| 91) Benzo(g,h,i)perylene       | 30.32 | 276  | 2500813  | 38.38 | nq    | # 89     |

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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.12 min Scan# 900

Delta R.T. 0.00 min

Lab File: BG023389.D

Acq: 1 Aug 2016 18:37

Instrument :

BNA\_G

ClientSampleId :

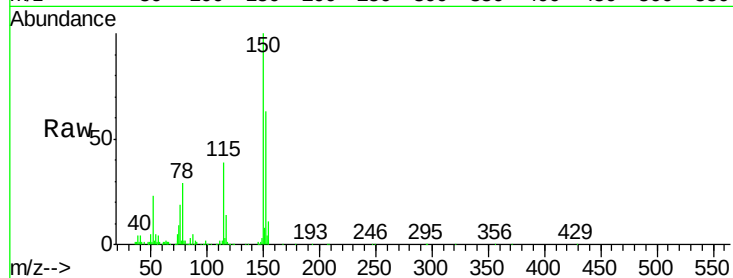
Tot Ion:152 Resp: 151718

Ion Ratio Lower Upper

152 100

150 158.5 144.7 217.1

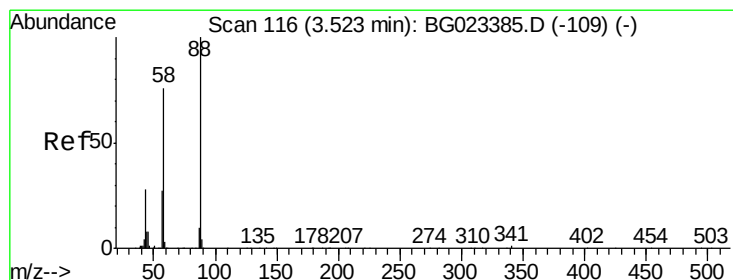
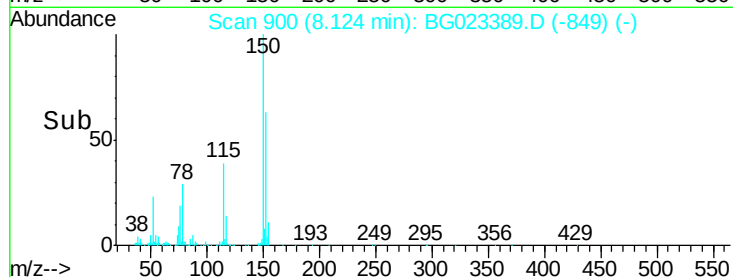
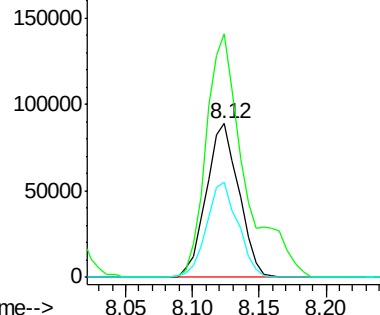
115 61.6 64.0 96.0#



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



#2

1,4-Dioxane

Concen: 35.60 ng

RT: 3.52 min Scan# 117

Delta R.T. 0.00 min

Lab File: BG023389.D

Acq: 1 Aug 2016 18:37

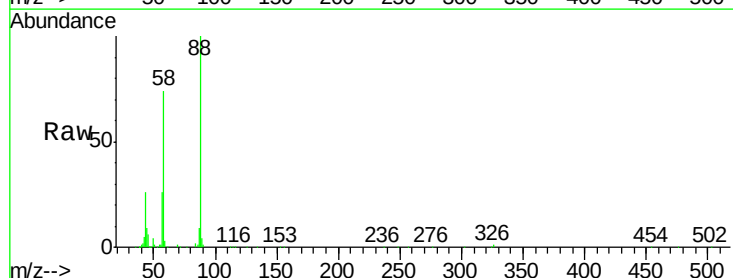
Tgt Ion: 88 Resp: 136709

Ion Ratio Lower Upper

88 100

58 75.8 60.4 90.6

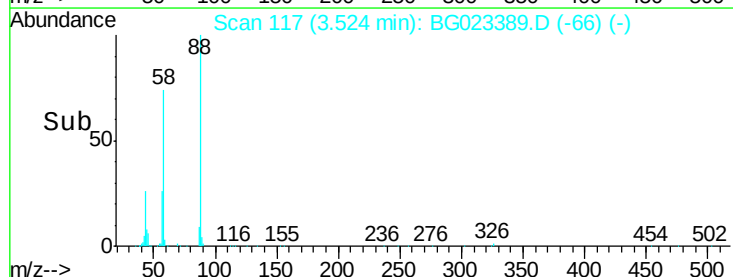
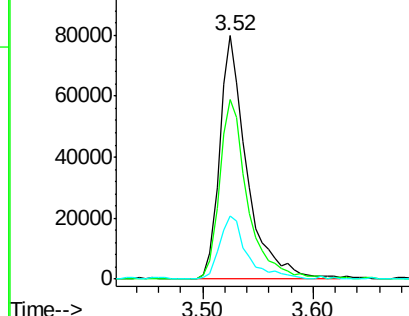
43 26.3 31.1 46.7#

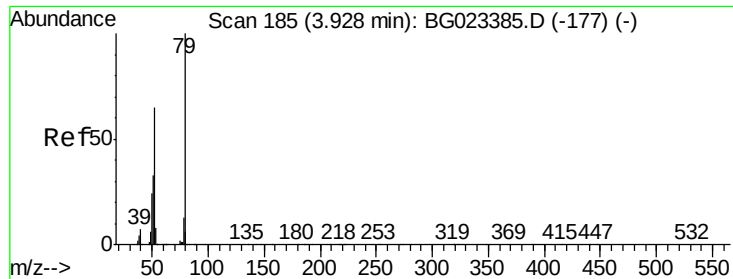


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pvridine

Concen: 37.74 ng

RT: 3.93 min Scan# 186

Delta R.T. 0.00 min

Lab File: BG023389.D

Acq: 1 Aug 2016 18:37

Instrument :

BNA\_G

ClientSampleId :

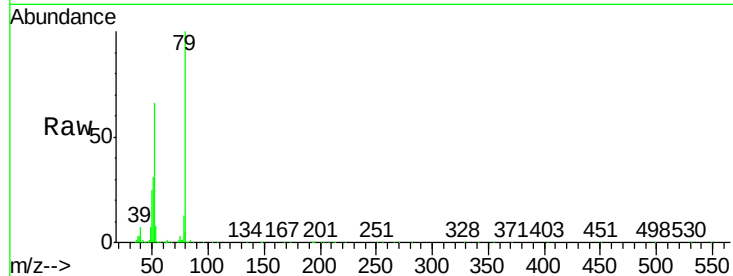
Tot Ion: 79 Resp: 476282

Ion Ratio Lower Upper

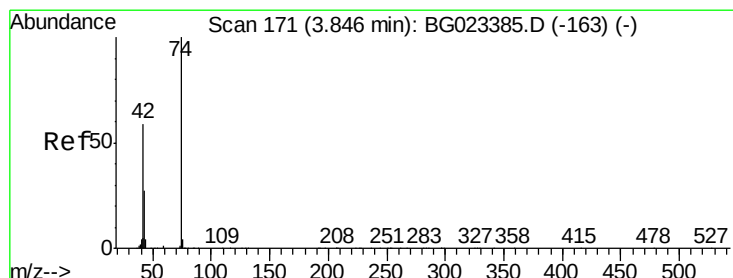
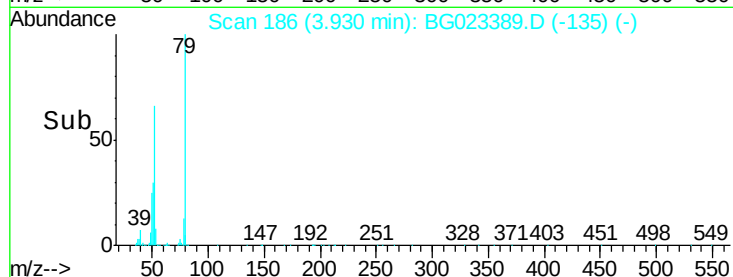
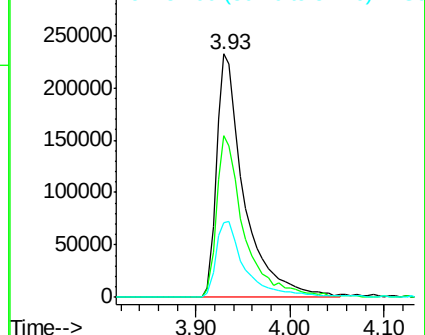
79 100

52 66.3 51.8 77.8

51 30.8 32.7 49.1#



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: 39.09 ng

RT: 3.85 min Scan# 172

Delta R.T. 0.00 min

Lab File: BG023389.D

Acq: 1 Aug 2016 18:37

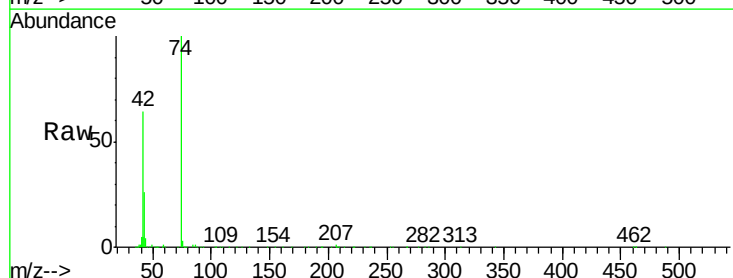
Tgt Ion: 42 Resp: 182911

Ion Ratio Lower Upper

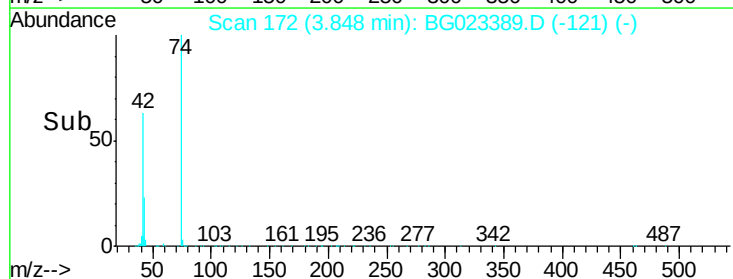
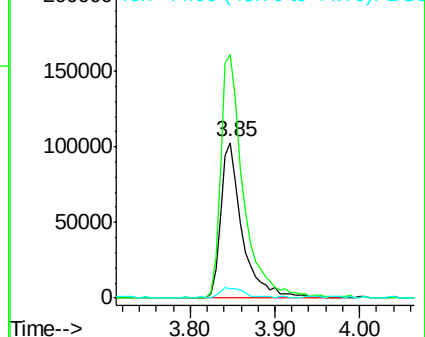
42 100

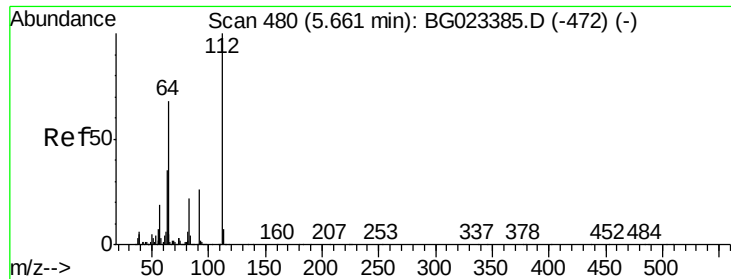
74 156.4 100.6 150.8#

44 6.3 4.5 6.7



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: 78.40 ng

RT: 5.66 min Scan# 481

Delta R.T. 0.00 min

Lab File: BG023389.D

Acq: 1 Aug 2016 18:37

Instrument :

BNA\_G

ClientSampled :

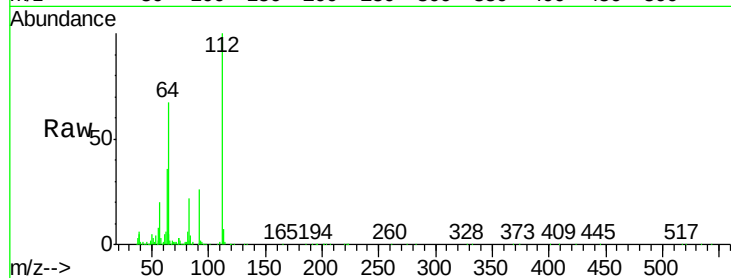
Tot Ion:112 Resp: 706600

Ion Ratio Lower Upper

112 100

64 66.8 59.0 88.4

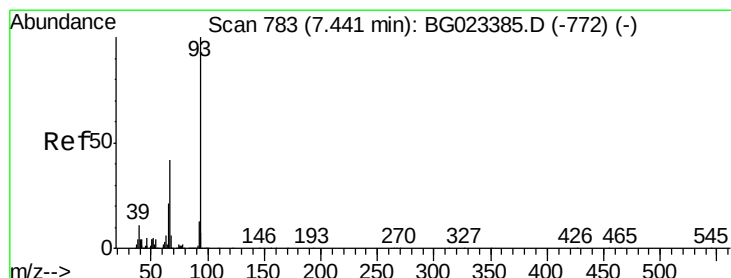
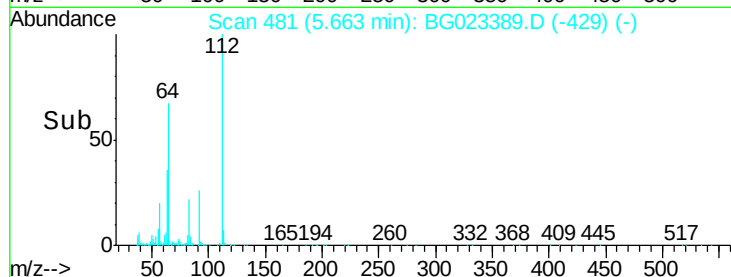
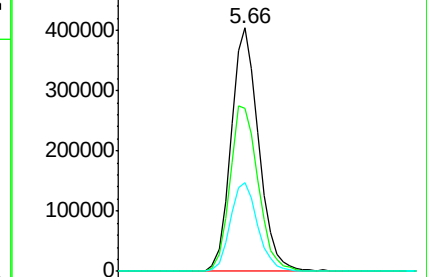
63 36.2 37.8 56.8#



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 36.98 ng

RT: 7.44 min Scan# 784

Delta R.T. 0.00 min

Lab File: BG023389.D

Acq: 1 Aug 2016 18:37

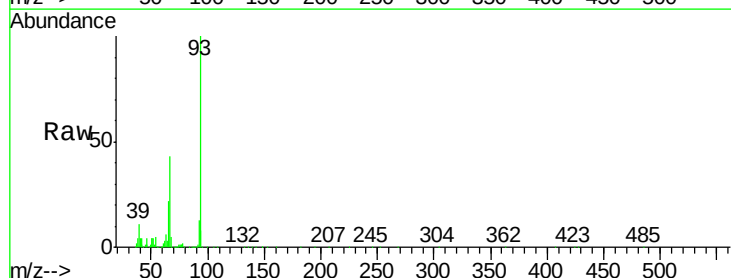
Tgt Ion: 93 Resp: 750001

Ion Ratio Lower Upper

93 100

66 43.1 37.5 56.3

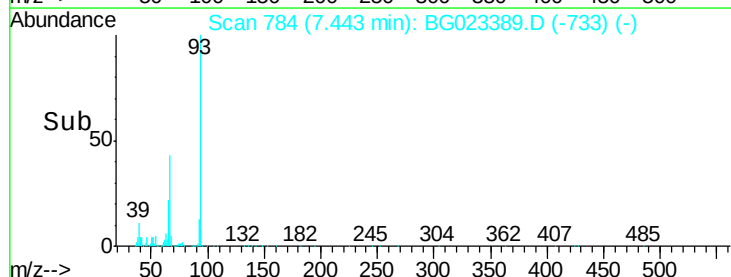
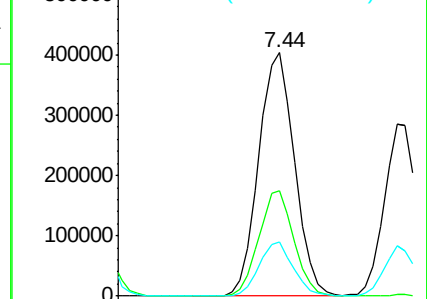
65 22.0 17.9 26.9

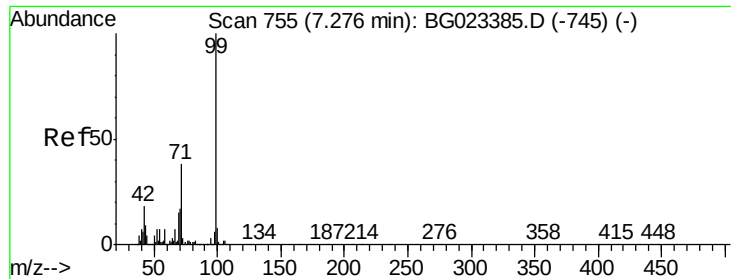


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 84.10 ng

RT: 7.28 min Scan# 756

Delta R.T. 0.00 min

Lab File: BG023389.D

Acq: 1 Aug 2016 18:37

Instrument :

BNA\_G

ClientSampleId :

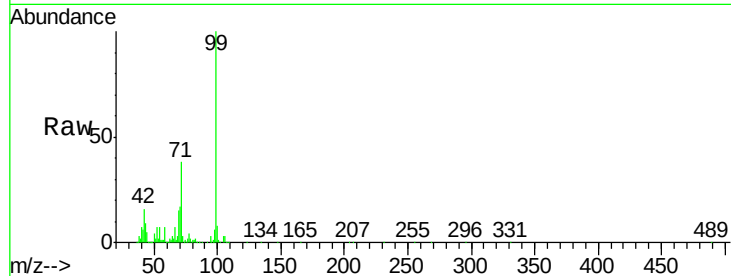
Tot Ion: 99 Resp: 1180599

Ion Ratio Lower Upper

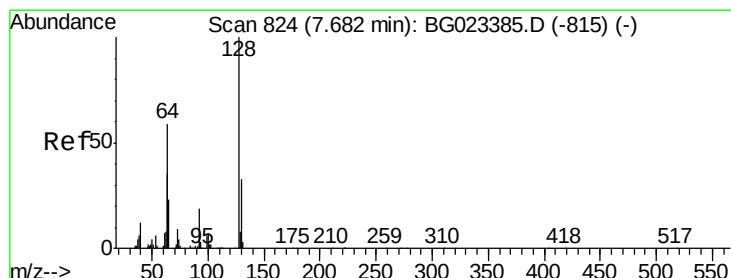
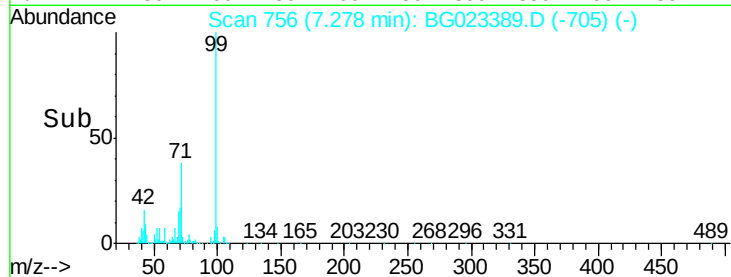
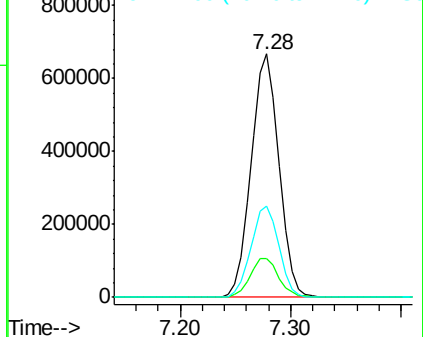
99 100

42 16.1 17.8 26.6#

71 37.7 41.5 62.3#



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



#8

2-Chlorophenol

Concen: 39.53 ng

RT: 7.68 min Scan# 825

Delta R.T. 0.00 min

Lab File: BG023389.D

Acq: 1 Aug 2016 18:37

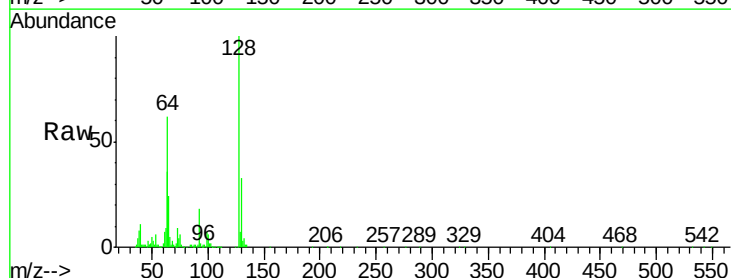
Tgt Ion:128 Resp: 409357

Ion Ratio Lower Upper

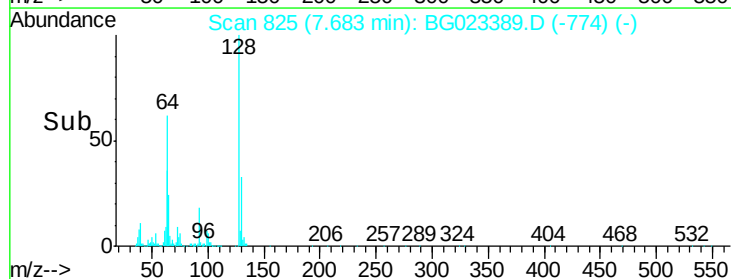
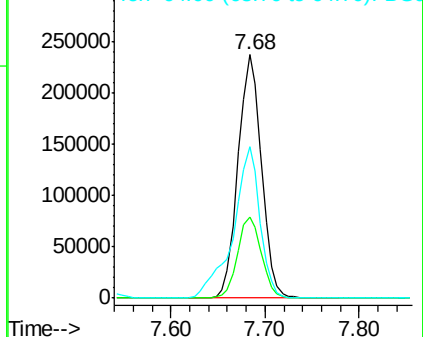
128 100

130 33.0 12.9 52.9

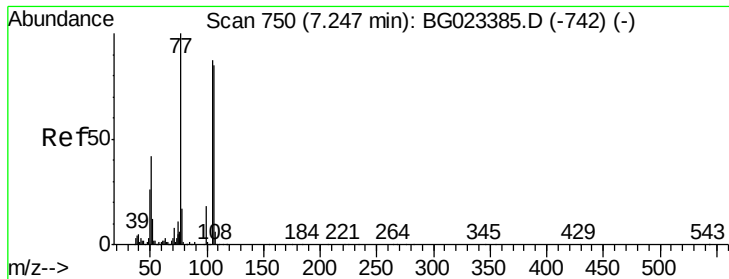
64 62.4 42.0 82.0



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: 48.78 ng

RT: 7.25 min Scan# 752

Delta R.T. 0.01 min

Lab File: BG023389.D

Acq: 1 Aug 2016 18:37

Instrument :

BNA\_G

ClientSampleId :

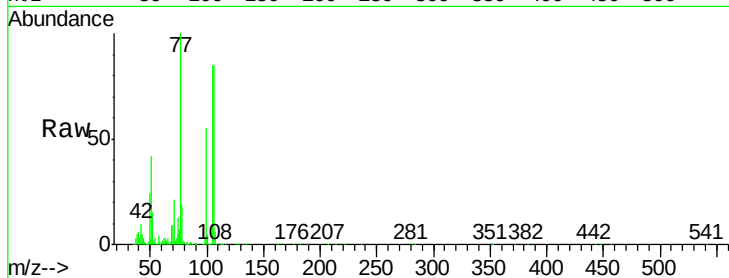
Tot Ion: 77 Resp: 367743

Ion Ratio Lower Upper

77 100

105 85.1 58.7 98.7

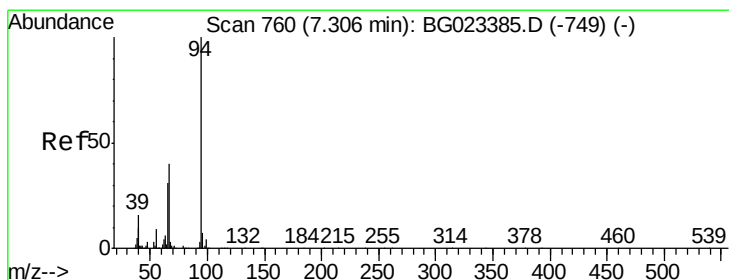
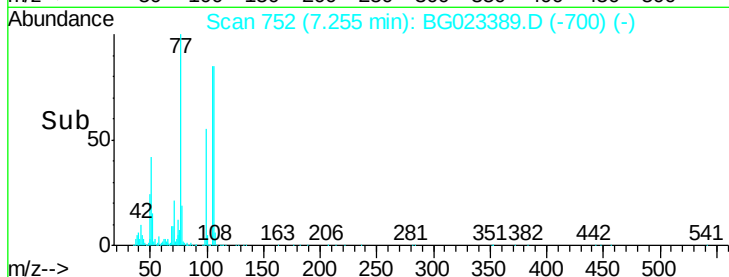
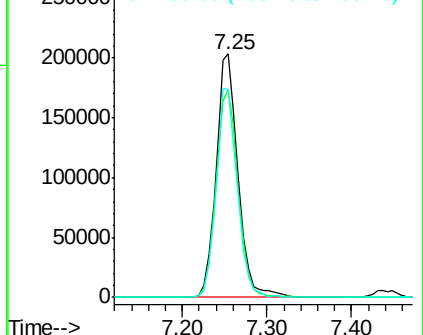
106 85.4 67.5 107.5



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC



#10

Phenol

Concen: 39.88 ng

RT: 7.30 min Scan# 760

Delta R.T. -0.00 min

Lab File: BG023389.D

Acq: 1 Aug 2016 18:37

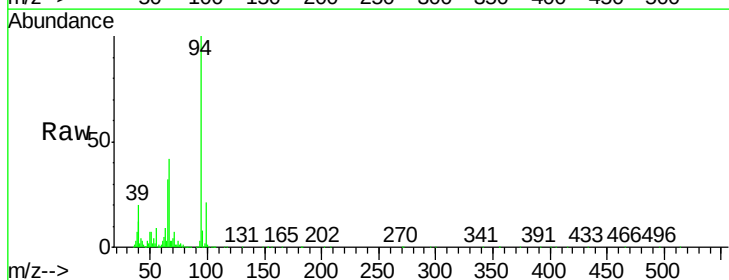
Tgt Ion: 94 Resp: 599002

Ion Ratio Lower Upper

94 100

65 32.1 18.1 58.1

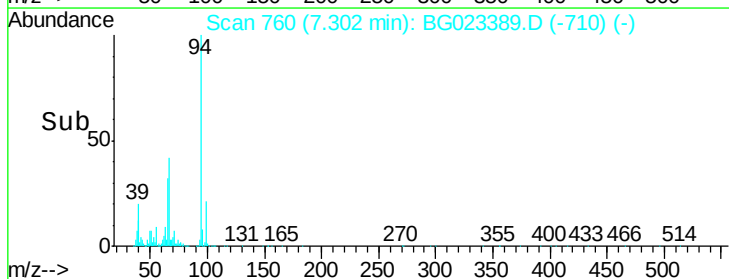
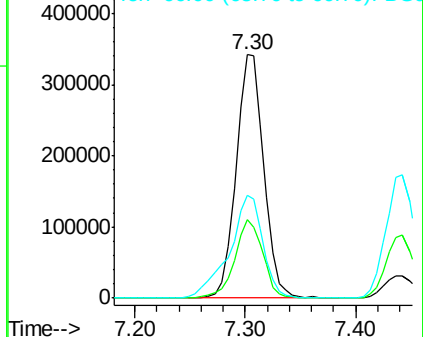
66 42.2 42.1 82.1



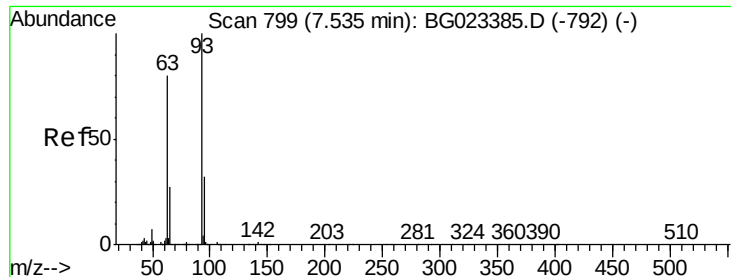
Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC







#11

bis(2-Chloroethyl)ether

Concen: 39.37 ng

RT: 7.53 min Scan# 799

Delta R.T. -0.00 min

Lab File: BG023389.D

Acq: 1 Aug 2016 18:37

Instrument :

BNA\_G

ClientSampleId :

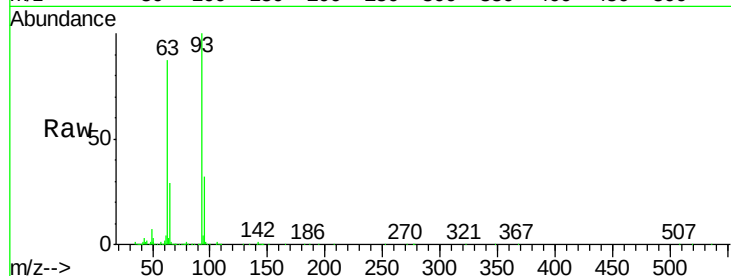
Tot Ion: 93 Resp: 471583

Ion Ratio Lower Upper

93 100

63 86.9 55.0 95.0

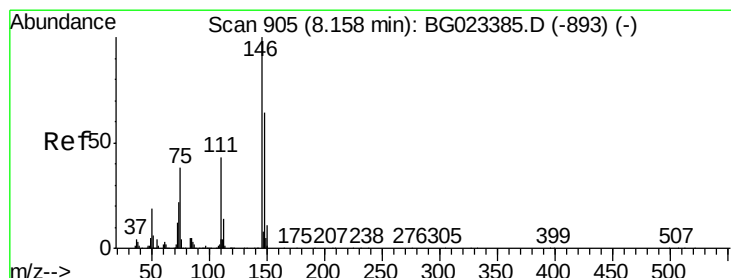
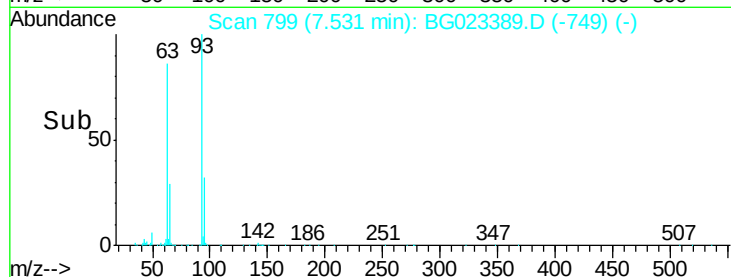
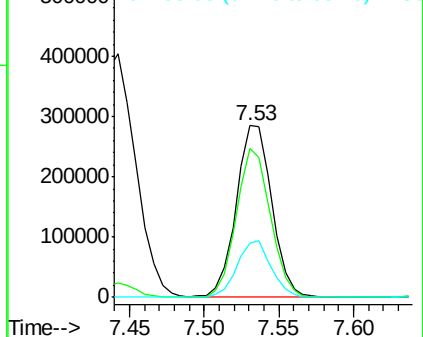
95 31.9 11.0 51.0



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: 37.67 ng

RT: 8.01 min Scan# 881

Delta R.T. 0.01 min

Lab File: BG023389.D

Acq: 1 Aug 2016 18:37

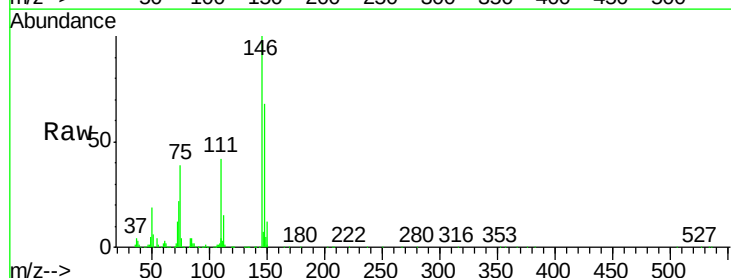
Tgt Ion: 146 Resp: 446637

Ion Ratio Lower Upper

146 100

148 67.7 50.3 75.5

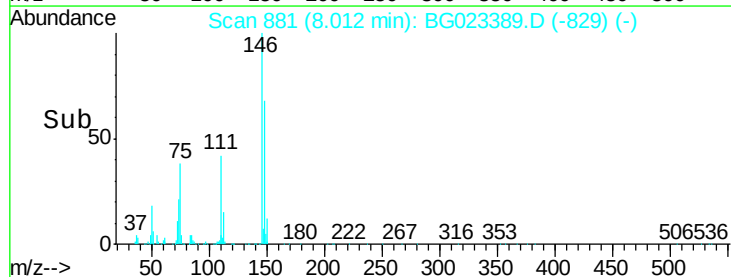
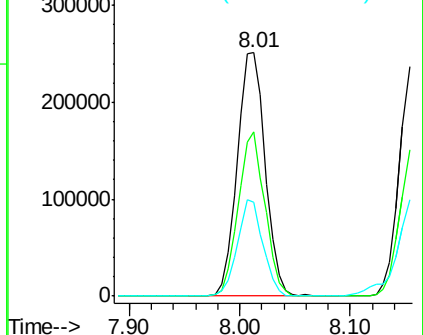
75 38.7 37.0 55.6

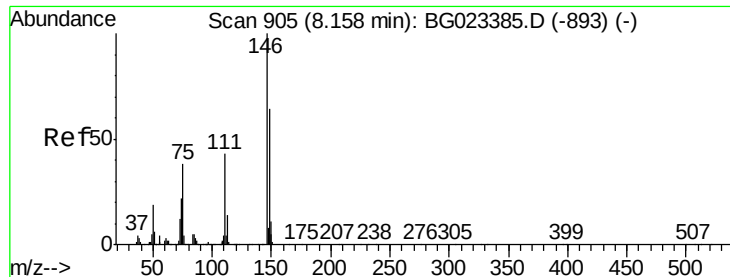


Abundance Ion 146.00 (145.70 to 146.70): BGC

Ion 148.00 (147.70 to 148.70): BGC

Ion 75.00 (74.70 to 75.70): BGC

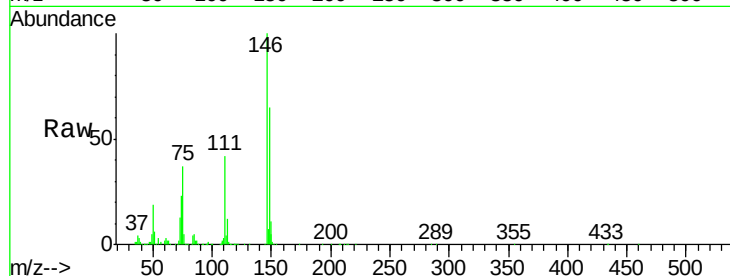




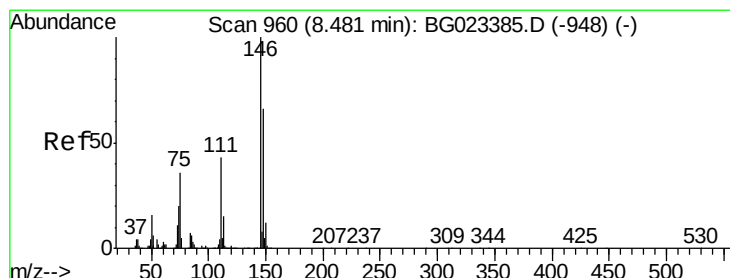
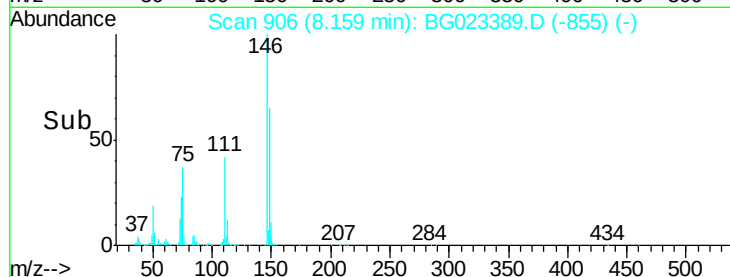
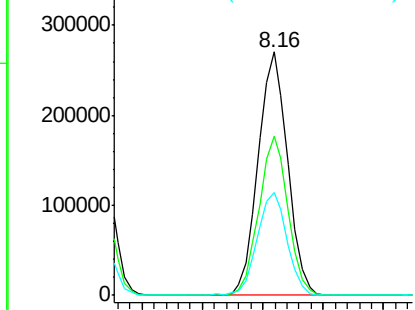
#13  
 1,4-Dichlorobenzene  
 Concen: 37.89 ng  
 RT: 8.16 min Scan# 906  
 Delta R.T. 0.00 min  
 Lab File: BG023389.D  
 Acq: 1 Aug 2016 18:37

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 65.2  | 54.5  | 81.7  |
| 111     | 42.1  | 37.8  | 56.8  |

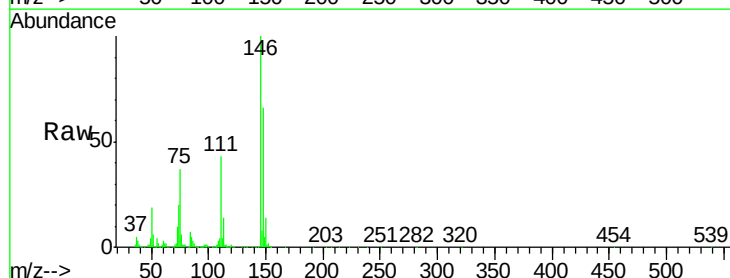


Abundance Ion 146.00 (145.70 to 146.70): E  
 Ion 148.00 (147.70 to 148.70): E  
 Ion 111.00 (110.70 to 111.70): E

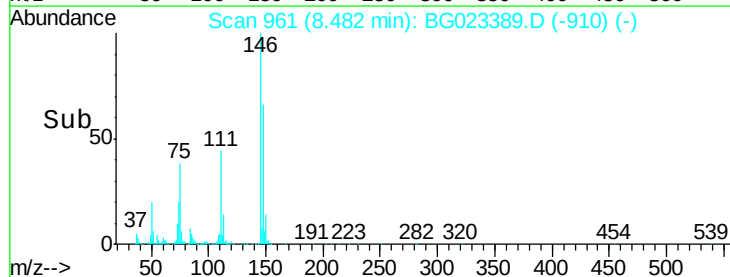
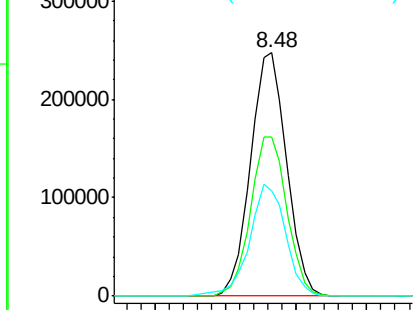


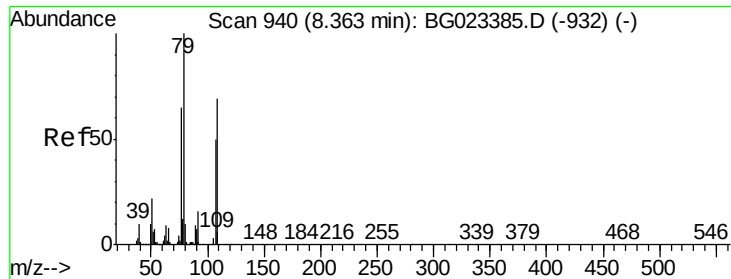
#14  
 1,2-Dichlorobenzene  
 Concen: 37.30 ng  
 RT: 8.48 min Scan# 961  
 Delta R.T. 0.00 min  
 Lab File: BG023389.D  
 Acq: 1 Aug 2016 18:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 65.5  | 52.9  | 79.3  |
| 111     | 43.3  | 43.5  | 65.3# |



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

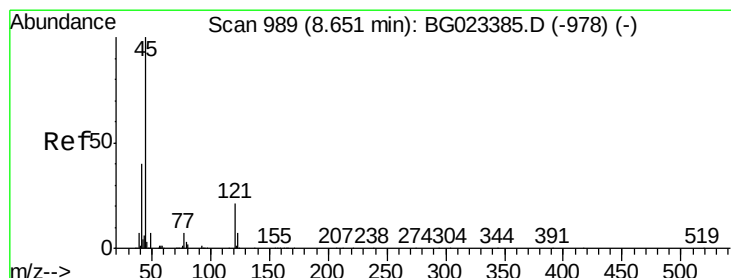
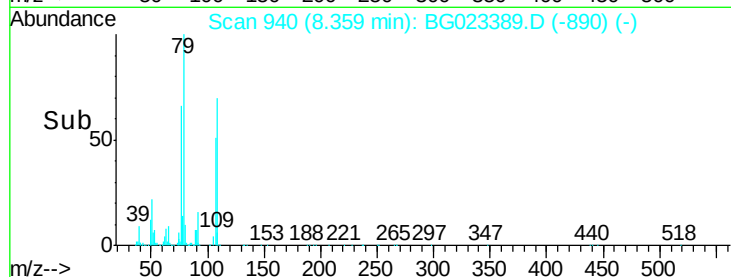
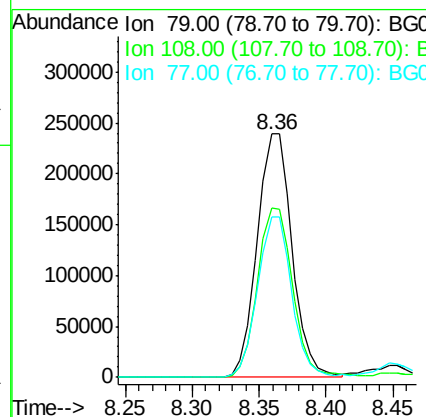
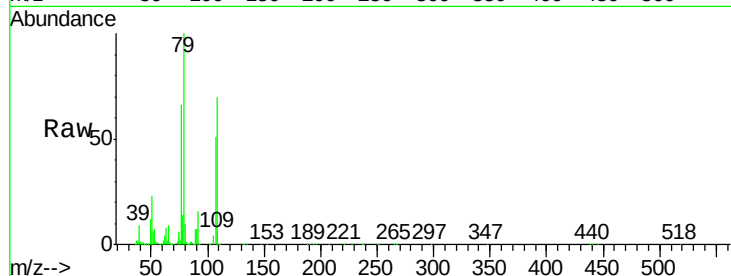




#15  
Benzyl Alcohol  
Concen: 40.58 ng  
RT: 8.36 min Scan# 940  
Delta R.T. -0.00 min  
Lab File: BG023389.D  
Acq: 1 Aug 2016 18:37

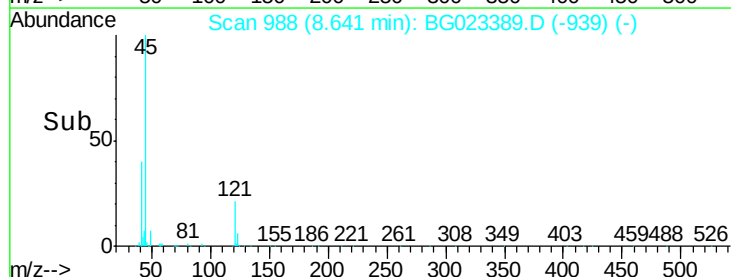
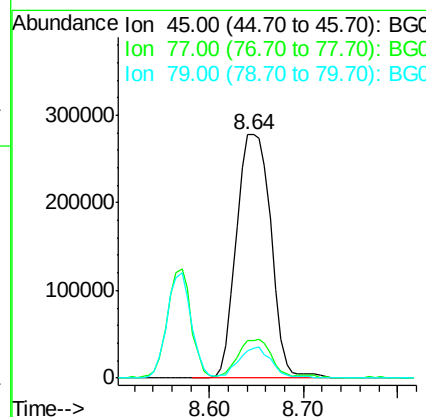
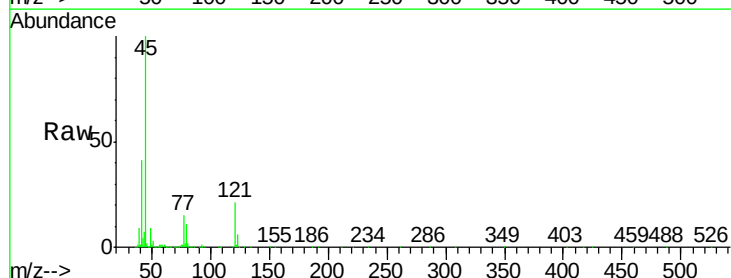
Instrument :  
BNA\_G  
ClientSampleId :

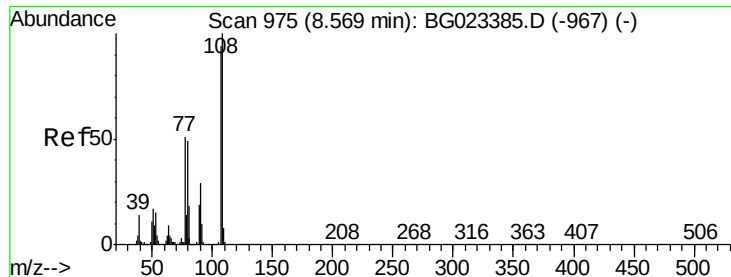
Tot Ion: 79 Resp: 431692  
Ion Ratio Lower Upper  
79 100  
108 69.6 46.5 69.7  
77 65.9 52.3 78.5



#16  
2,2'-oxybis(1-chloropropane)  
Concen: 40.12 ng  
RT: 8.64 min Scan# 988  
Delta R.T. -0.01 min  
Lab File: BG023389.D  
Acq: 1 Aug 2016 18:37

Tgt Ion: 45 Resp: 706872  
Ion Ratio Lower Upper  
45 100  
77 15.4 0.6 40.6  
79 11.2 0.0 36.2





#17

2-Methylphenol

Concen: 41.01 ng

RT: 8.57 min Scan# 976

Delta R.T. 0.00 min

Lab File: BG023389.D

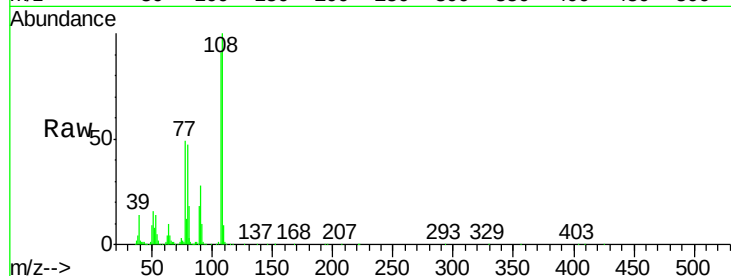
Acq: 1 Aug 2016 18:37

Instrument :

BNA\_G

ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 107   | Resp: | 412951 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 109.6 | 92.0  | 138.0  |
| 77       | 53.3  | 55.8  | 83.6#  |
| 79       | 51.3  | 55.0  | 82.6#  |



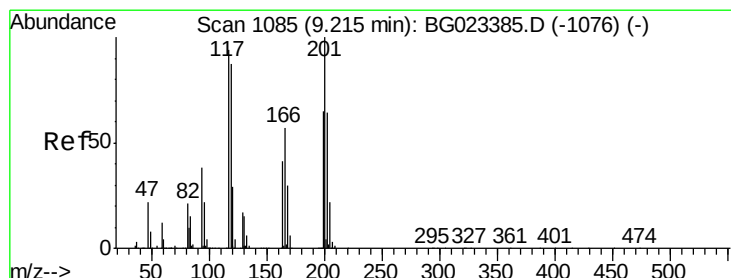
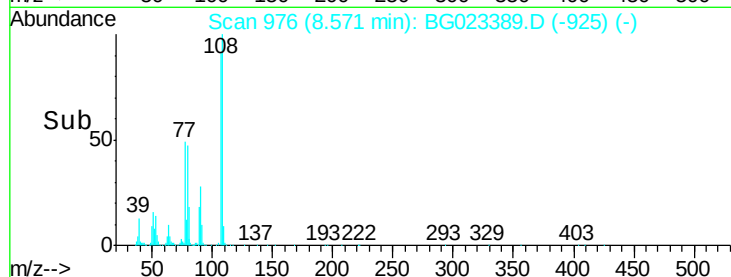
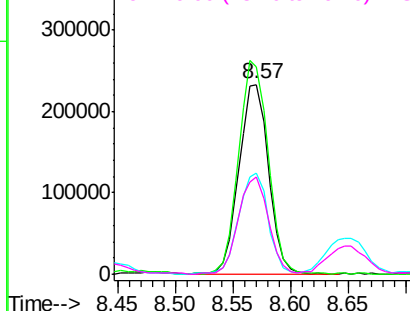
Abundance

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



#18

Hexachloroethane

Concen: 38.44 ng

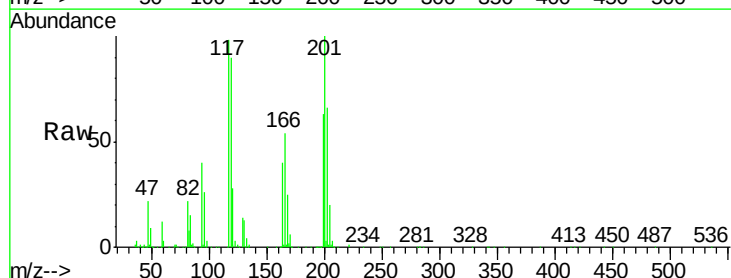
RT: 9.21 min Scan# 1085

Delta R.T. -0.00 min

Lab File: BG023389.D

Acq: 1 Aug 2016 18:37

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 175580 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 91.3  | 73.7  | 110.5  |
| 201      | 102.0 | 88.7  | 133.1  |

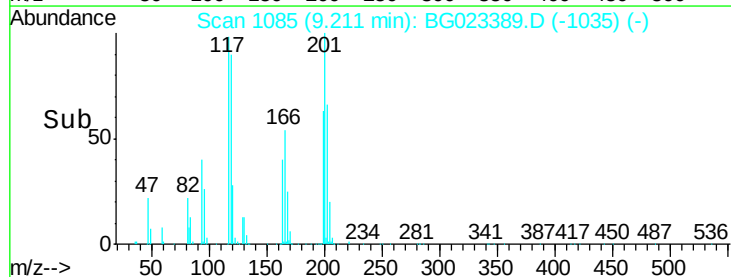
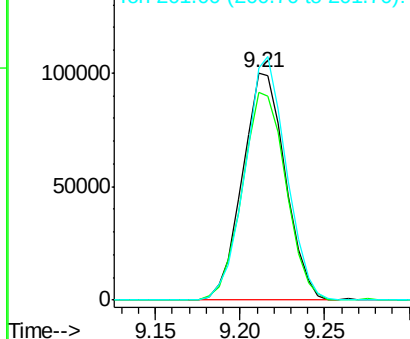


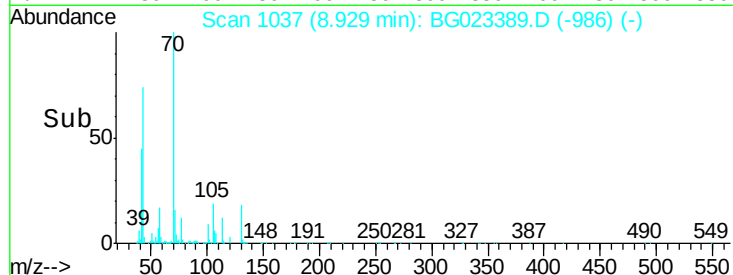
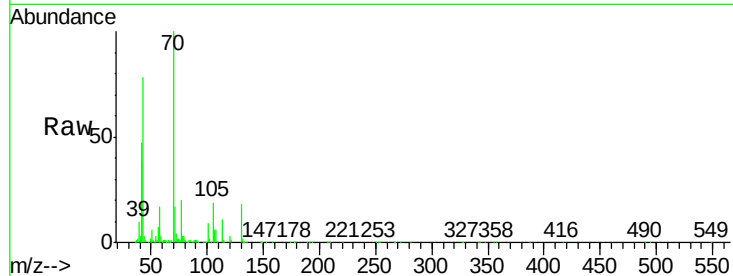
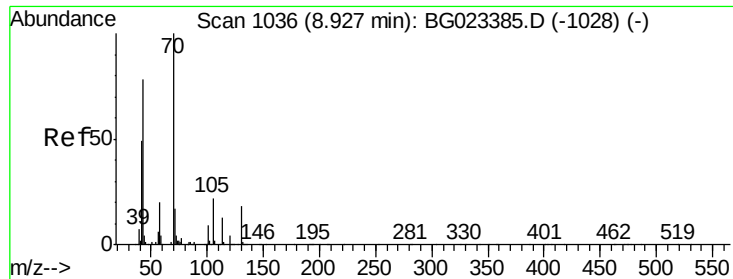
Abundance

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

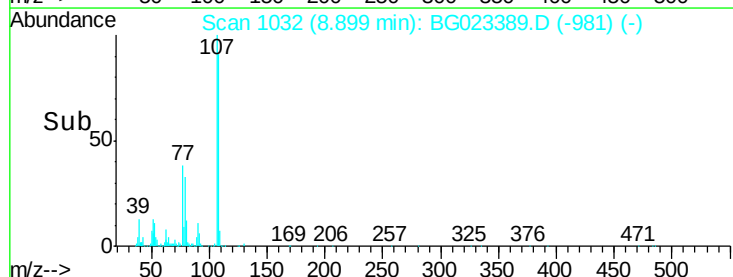
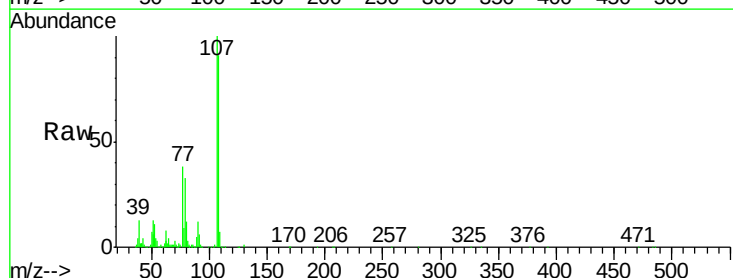
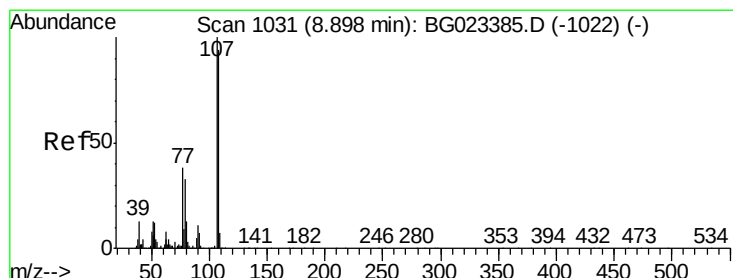
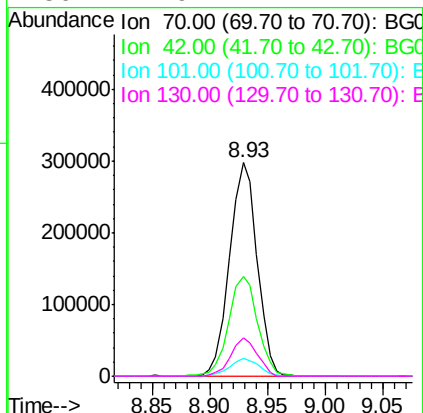




#19  
n-Nitroso-di-n-propylamine  
Concen: 40.67 ng  
RT: 8.93 min Scan# 1037  
Delta R.T. 0.00 min  
Lab File: BG023389.D  
Acq: 1 Aug 2016 18:37

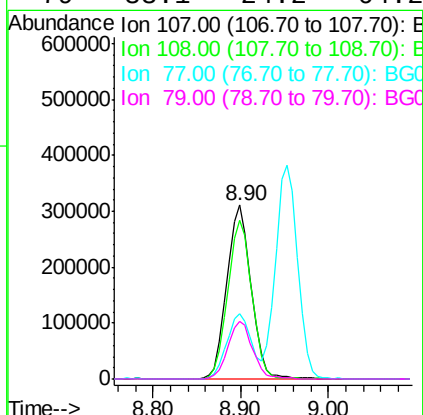
Instrument :  
BNA\_G  
ClientSampleId :

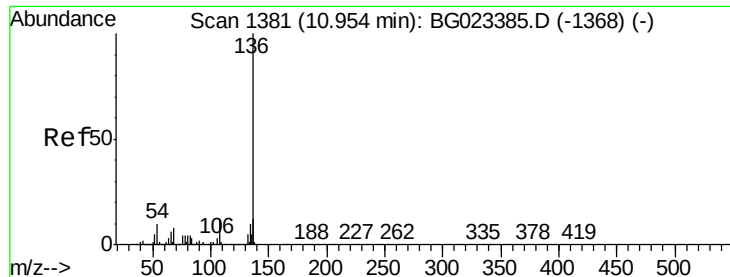
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 70    | Resp: | 491164 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 46.7  | 42.1  | 63.1   |
| 101      | 8.7   | 7.2   | 10.8   |
| 130      | 17.9  | 14.2  | 21.2   |



#20  
3+4-Methylphenols  
Concen: 41.36 ng  
RT: 8.90 min Scan# 1032  
Delta R.T. 0.00 min  
Lab File: BG023389.D  
Acq: 1 Aug 2016 18:37

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 587046 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 91.4  | 72.5  | 112.5  |
| 77       | 37.9  | 30.1  | 70.1   |
| 79       | 33.1  | 24.2  | 64.2   |

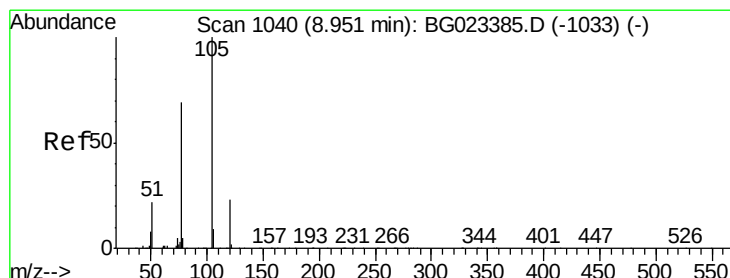
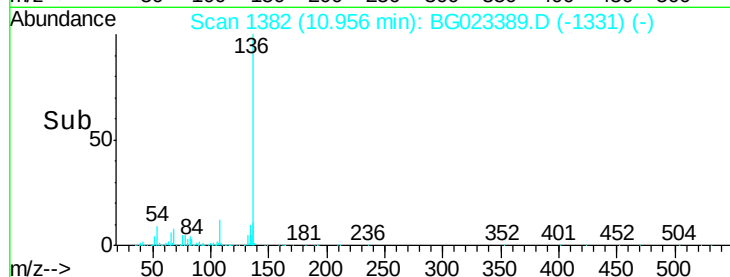
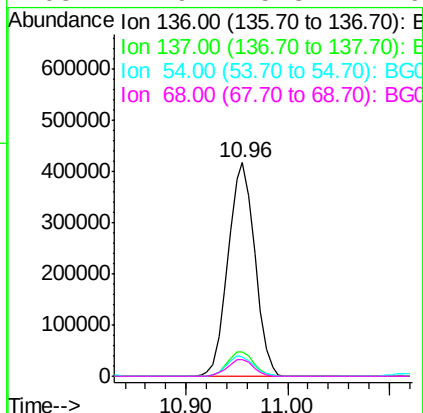
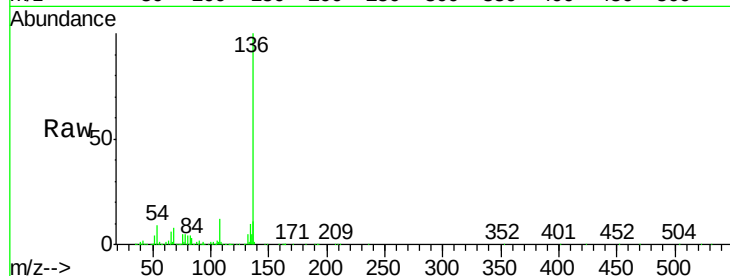




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.96 min Scan# 1382  
Delta R.T. 0.00 min  
Lab File: BG023389.D  
Acq: 1 Aug 2016 18:37

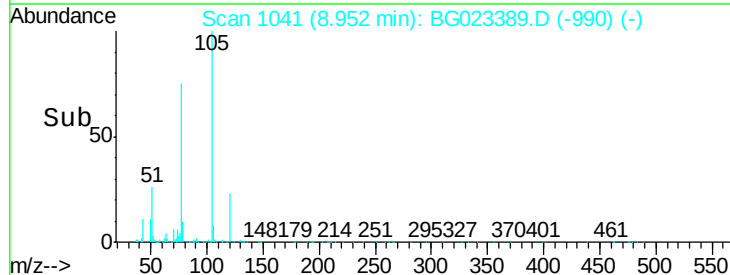
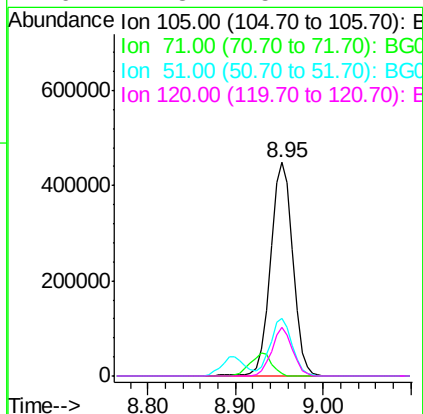
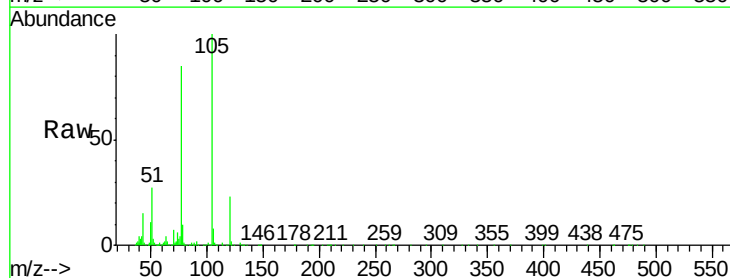
Instrument :  
BNA\_G  
ClientSampleId :

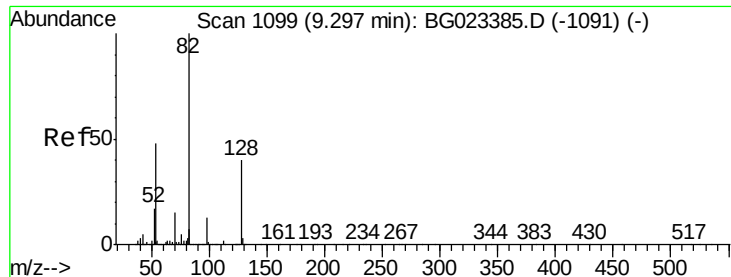
|             |       |        |
|-------------|-------|--------|
| Tot Ion:136 | Resp: | 759747 |
| Ion Ratio   | Lower | Upper  |
| 136 100     |       |        |
| 137 11.3    | 9.6   | 14.4   |
| 54 8.9      | 7.3   | 10.9   |
| 68 7.9      | 5.3   | 7.9#   |



#22  
Acetophenone  
Concen: 38.07 ng  
RT: 8.95 min Scan# 1041  
Delta R.T. 0.00 min  
Lab File: BG023389.D  
Acq: 1 Aug 2016 18:37

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:105 | Resp: | 791896 |
| Ion | Ratio   | Lower | Upper  |
| 105 | 100     |       |        |
| 71  | 1.2     | 2.6   | 3.8#   |
| 51  | 27.2    | 27.1  | 40.7   |
| 120 | 22.8    | 15.1  | 22.7#  |

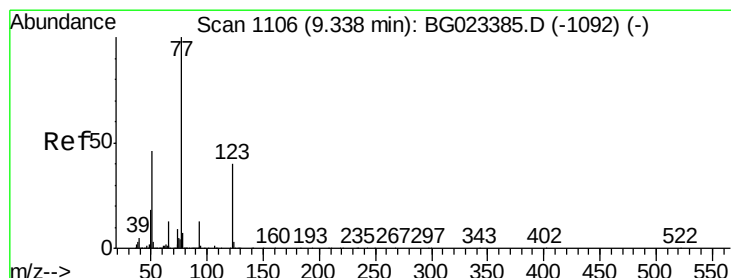
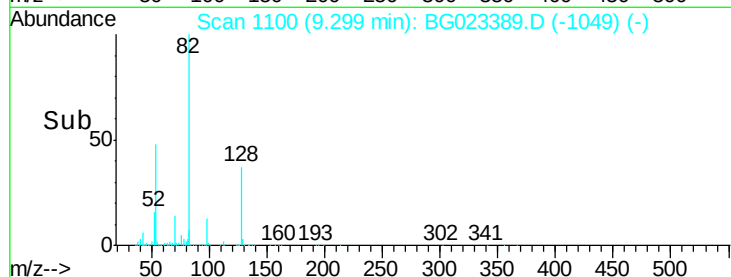
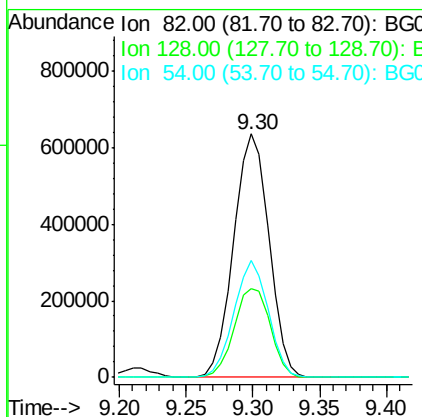
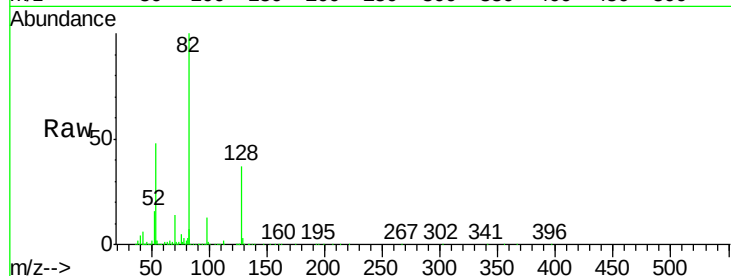




#23  
 Nitrobenzene-d5  
 Concen: 76.59 ng  
 RT: 9.30 min Scan# 1100  
 Delta R.T. 0.00 min  
 Lab File: BG023389.D  
 Acq: 1 Aug 2016 18:37

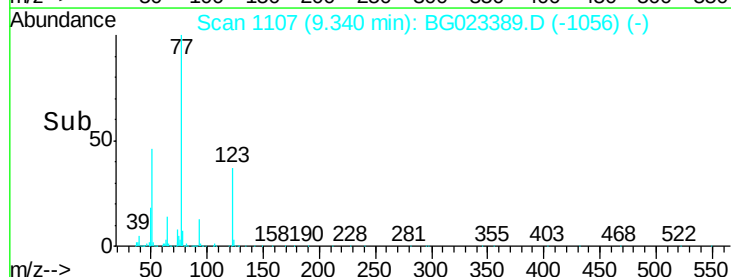
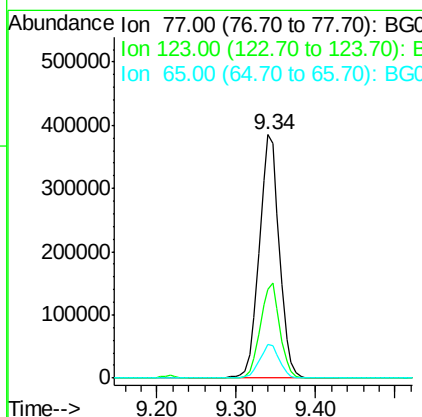
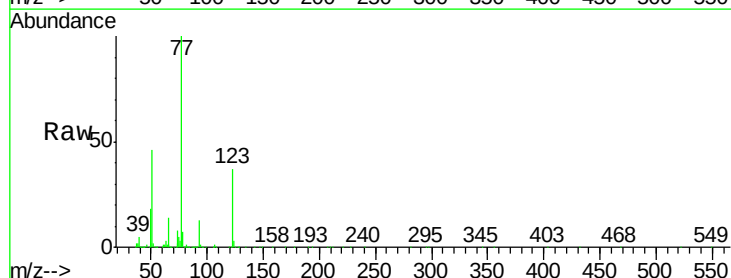
Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion: 82 Resp: 1170376  
 Ion Ratio Lower Upper  
 82 100  
 128 36.7 24.4 36.6#  
 54 48.1 41.4 62.0

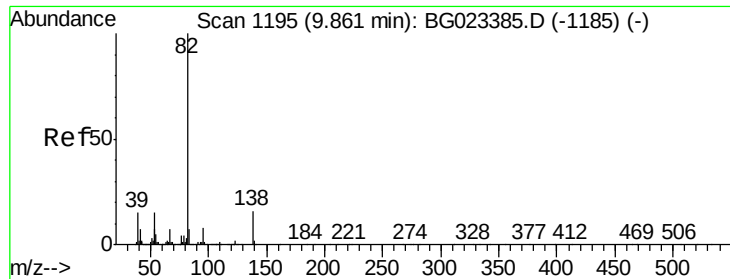


#24  
 Nitrobenzene  
 Concen: 40.29 ng  
 RT: 9.34 min Scan# 1107  
 Delta R.T. 0.00 min  
 Lab File: BG023389.D  
 Acq: 1 Aug 2016 18:37

Tgt Ion: 77 Resp: 681782  
 Ion Ratio Lower Upper  
 77 100  
 123 36.5 25.0 37.6  
 65 14.1 13.4 20.0







#25

Isophorone

Concen: 40.53 ng

RT: 9.86 min Scan# 1196

Delta R.T. 0.00 min

Lab File: BG023389.D

Acq: 1 Aug 2016 18:37

Instrument :

BNA\_G

ClientSampleId :

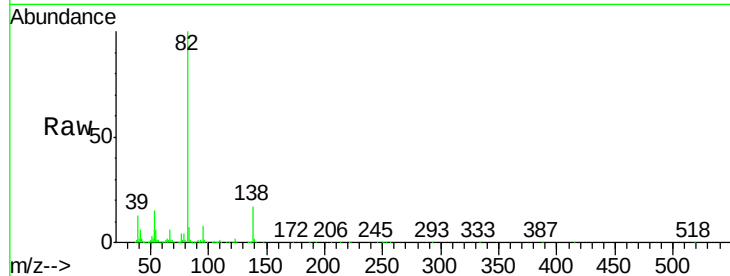
Tot Ion: 82 Resp: 1290093

Ion Ratio Lower Upper

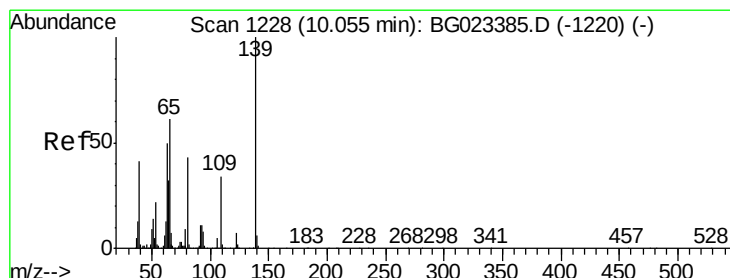
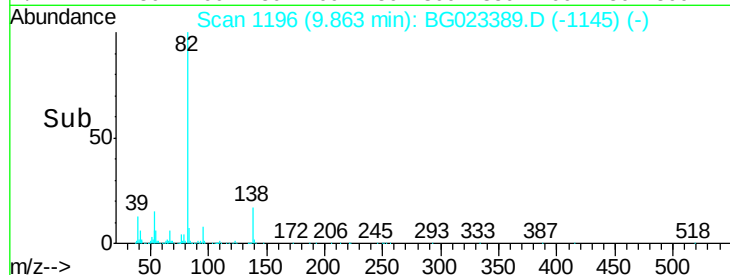
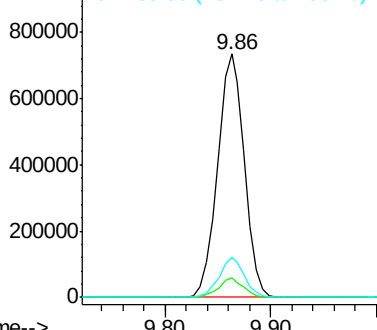
82 100

95 7.8 8.2 12.2#

138 16.5 10.7 16.1#



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: 40.12 ng

RT: 10.06 min Scan# 1229

Delta R.T. 0.00 min

Lab File: BG023389.D

Acq: 1 Aug 2016 18:37

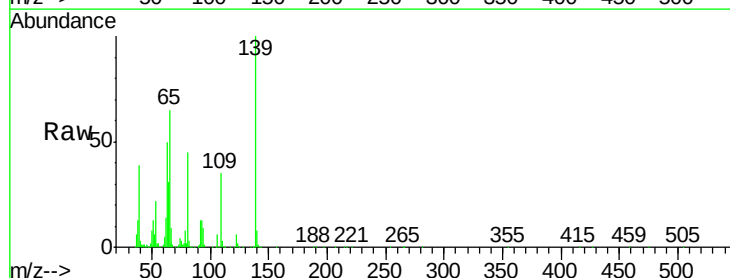
Tgt Ion: 139 Resp: 286576

Ion Ratio Lower Upper

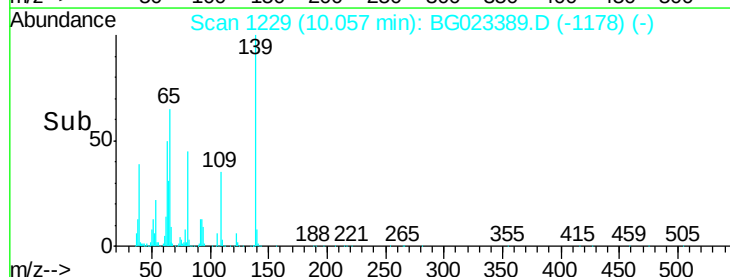
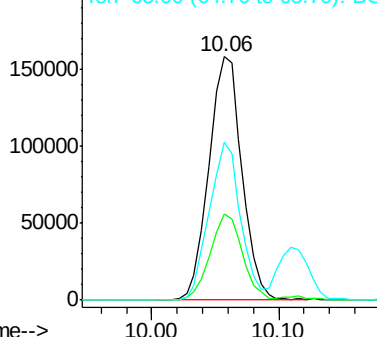
139 100

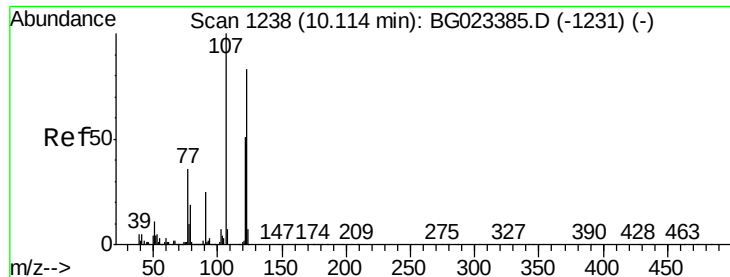
109 35.5 43.5 65.3#

65 64.9 64.3 96.5



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

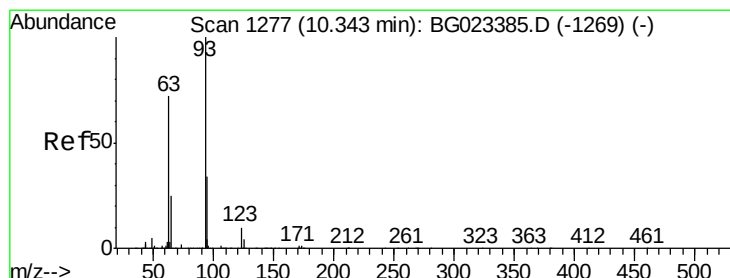
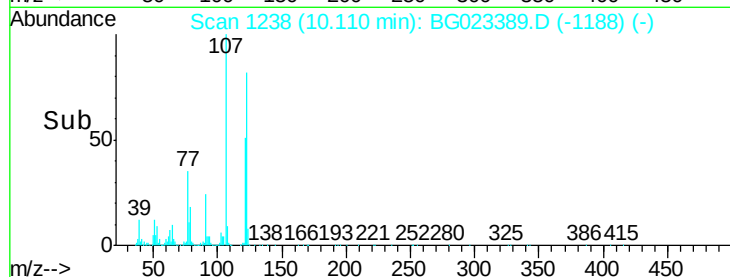
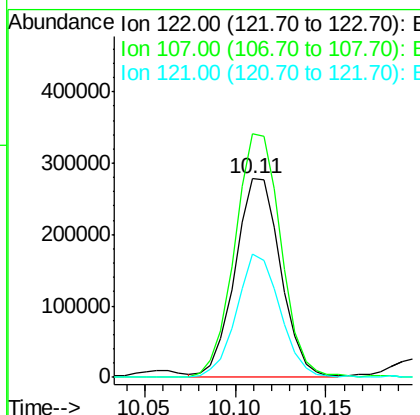
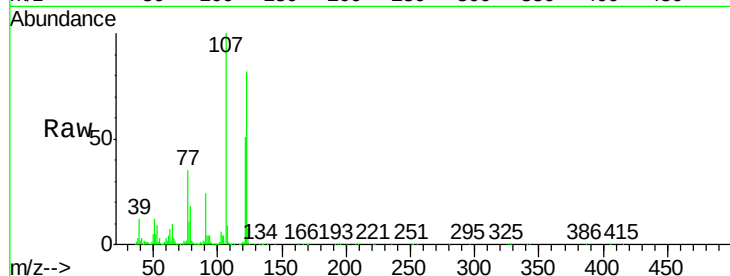




#27  
 2,4-Dimethylphenol  
 Concen: 39.84 ng  
 RT: 10.11 min Scan# 1238  
 Delta R.T. -0.00 min  
 Lab File: BG023389.D  
 Acq: 1 Aug 2016 18:37

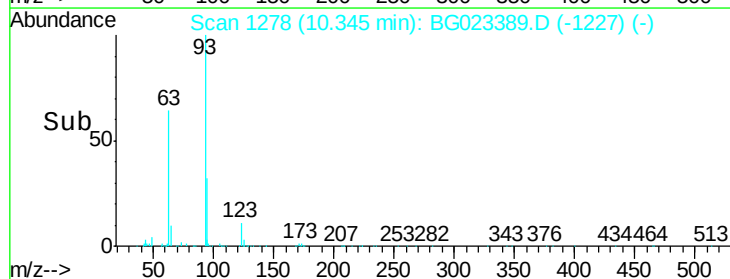
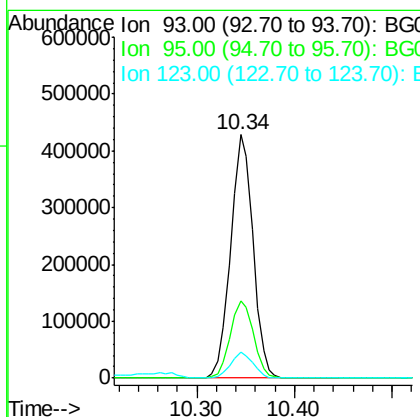
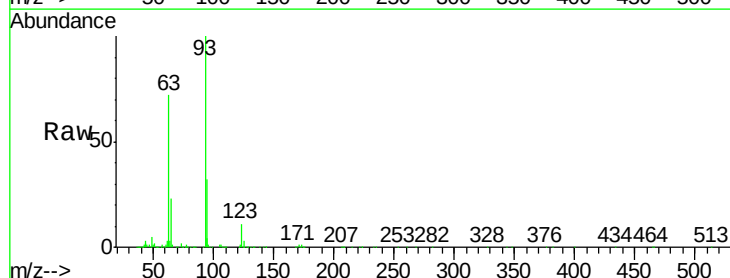
Instrument :  
 BNA\_G  
 ClientSampled :

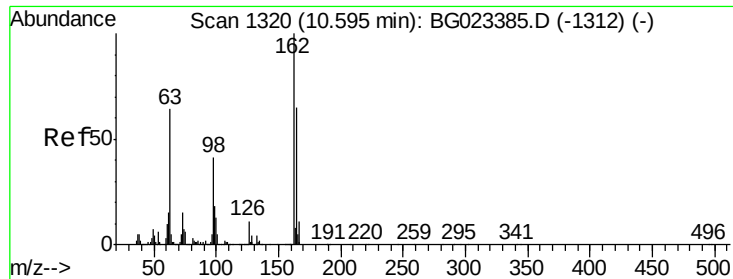
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 122.6 | 117.0 | 175.4 |
| 121     | 61.9  | 50.1  | 75.1  |



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 35.56 ng  
 RT: 10.34 min Scan# 1278  
 Delta R.T. 0.00 min  
 Lab File: BG023389.D  
 Acq: 1 Aug 2016 18:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 31.7  | 25.4  | 38.2  |
| 123     | 10.8  | 8.2   | 12.2  |

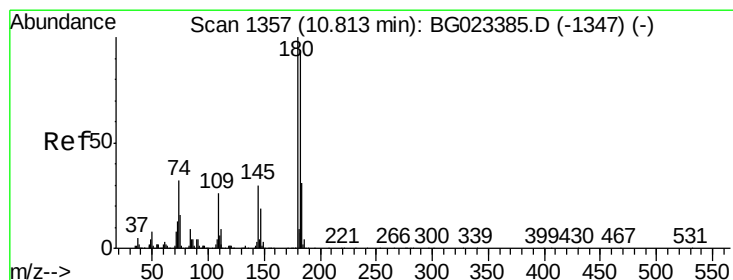
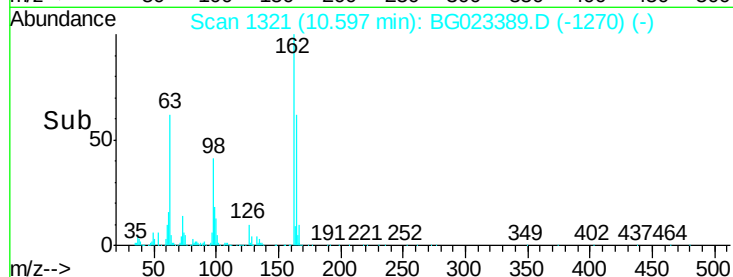
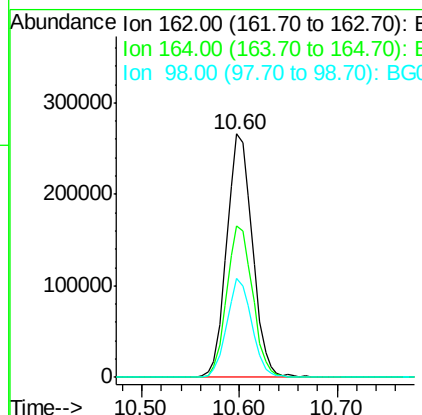
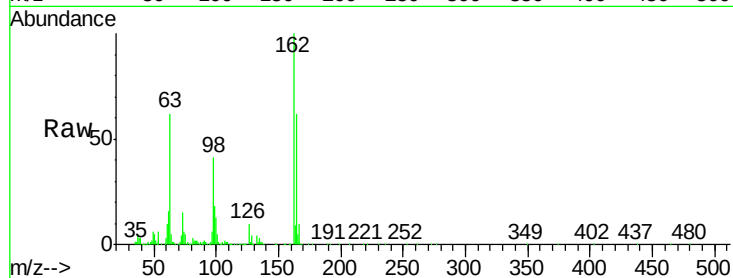




#29  
2,4-Dichlorophenol  
Concen: 39.82 ng  
RT: 10.60 min Scan# 1321  
Delta R.T. 0.00 min  
Lab File: BG023389.D  
Acq: 1 Aug 2016 18:37

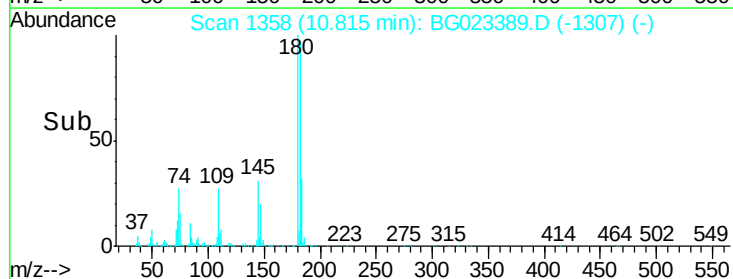
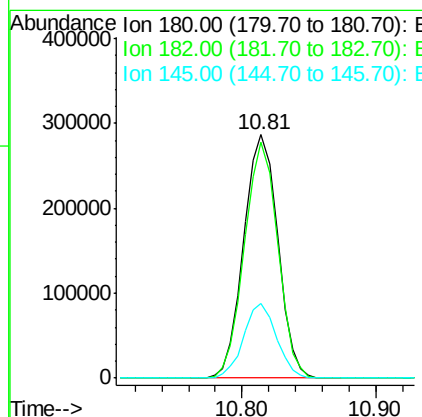
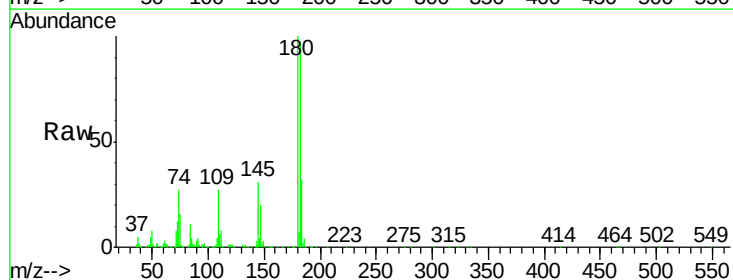
Instrument :  
BNA\_G  
ClientSampleId :

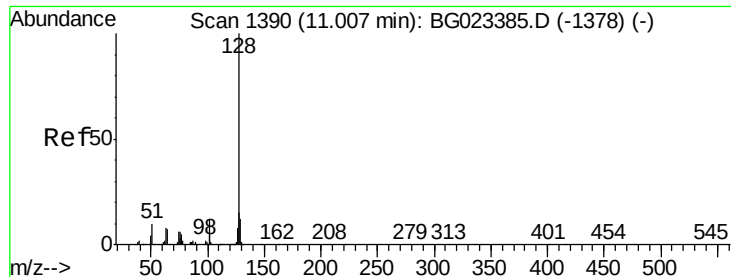
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 62.2  | 44.3  | 84.3  |
| 98      | 40.8  | 19.5  | 59.5  |



#30  
1,2,4-Trichlorobenzene  
Concen: 38.31 ng  
RT: 10.81 min Scan# 1358  
Delta R.T. 0.00 min  
Lab File: BG023389.D  
Acq: 1 Aug 2016 18:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 96.9  | 73.8  | 110.8 |
| 145     | 30.6  | 24.4  | 36.6  |





#31

Naphthalene

Concen: 36.98 ng

RT: 11.01 min Scan# 1391

Delta R.T. 0.00 min

Lab File: BG023389.D

Acq: 1 Aug 2016 18:37

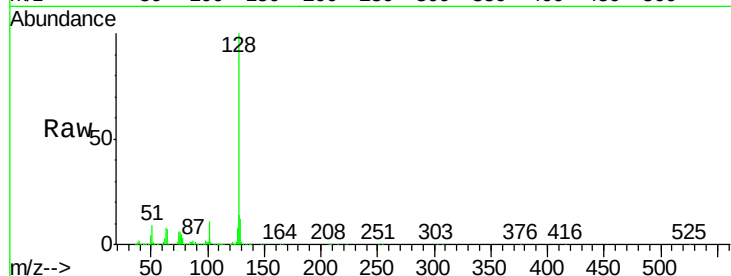
Instrument :

BNA\_G

ClientSampleId :

Tot Ion:128 Resp: 1430660

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 129 | 11.9  | 9.4   | 14.0  |
| 127 | 14.4  | 11.3  | 16.9  |

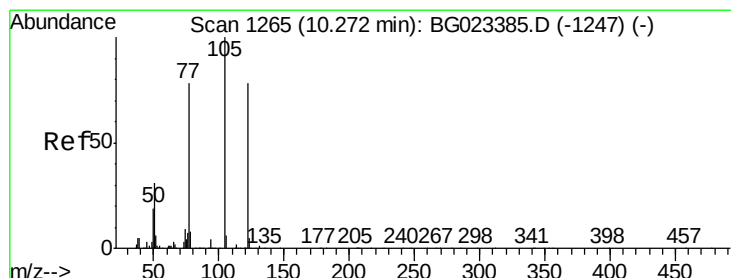
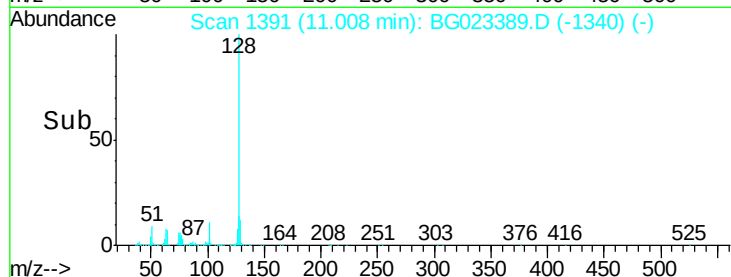
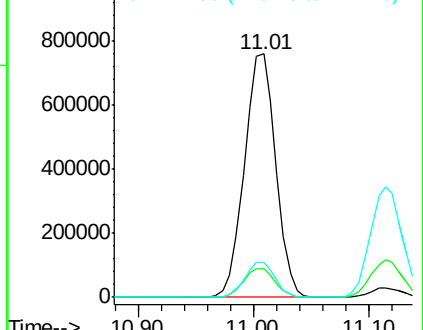


Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 38.30 ng

RT: 10.27 min Scan# 1265

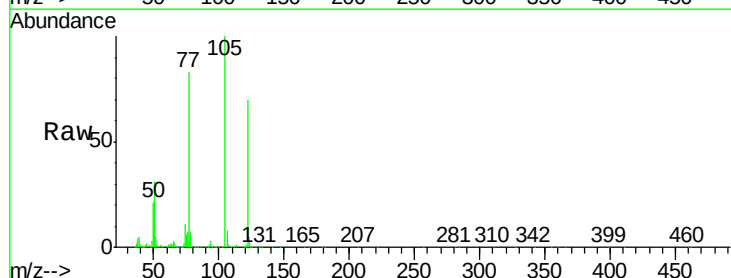
Delta R.T. -0.00 min

Lab File: BG023389.D

Acq: 1 Aug 2016 18:37

Tgt Ion:122 Resp: 411995

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 122 | 100   |       |       |
| 105 | 142.7 | 117.2 | 157.2 |
| 77  | 118.5 | 109.2 | 149.2 |

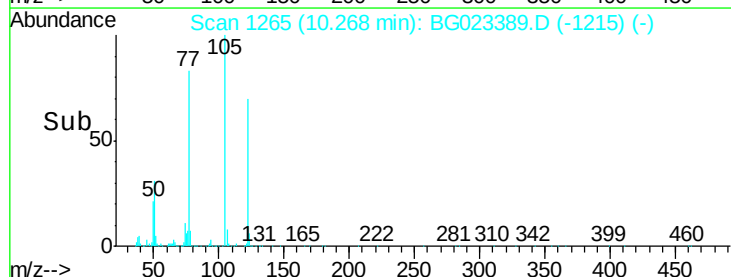
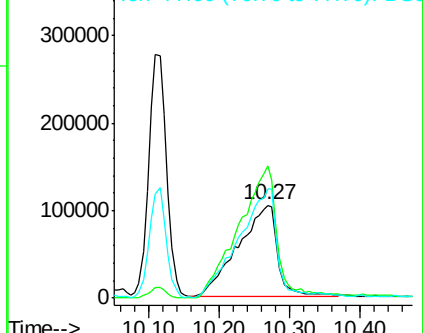


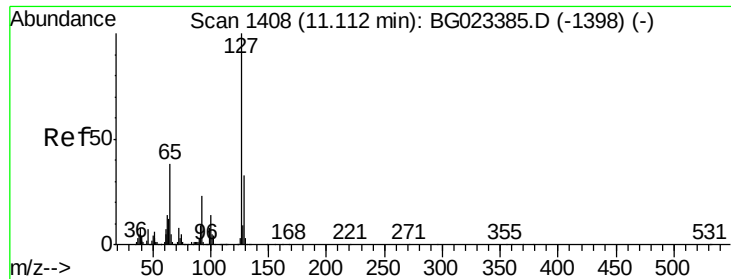
Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BG

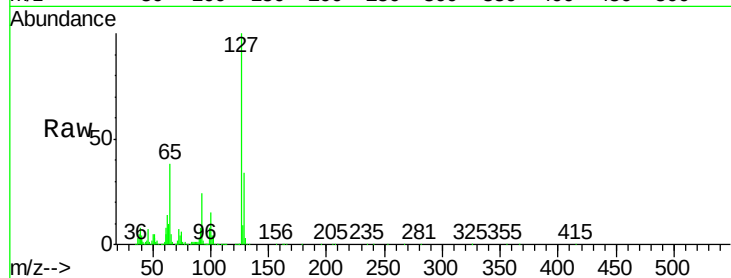




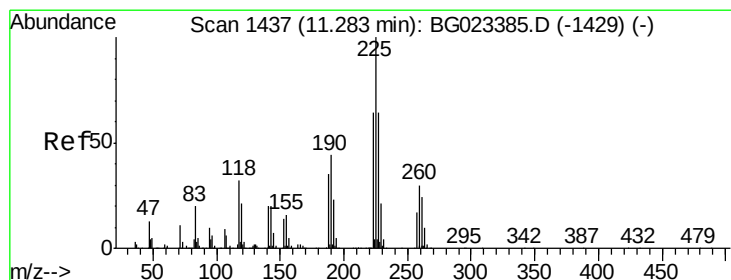
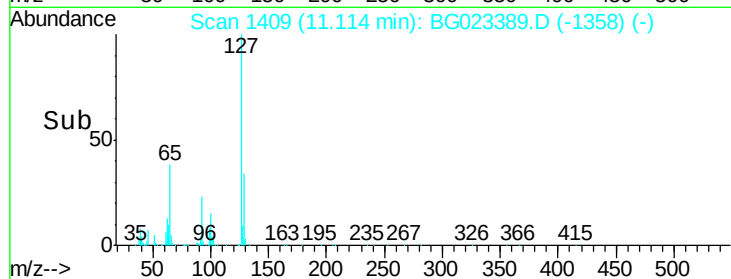
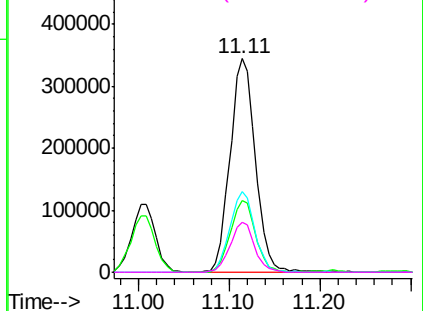
#33  
4-Chloroaniline  
Concen: 36.19 ng  
RT: 11.11 min Scan# 1409  
Delta R.T. 0.00 min  
Lab File: BG023389.D  
Acq: 1 Aug 2016 18:37

Instrument :  
BNA\_G  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 127   | Resp: | 669313 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 33.5  | 27.9  | 41.9   |
| 65       | 37.6  | 36.8  | 55.2   |
| 92       | 23.6  | 21.0  | 31.6   |

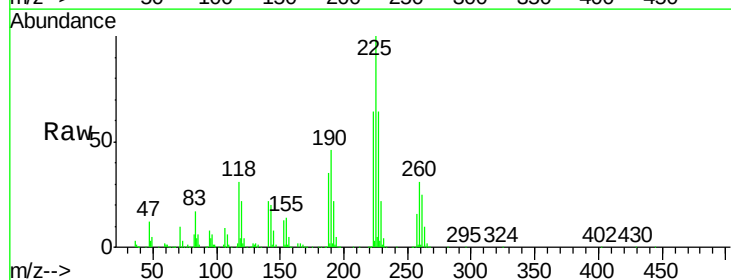


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BG  
Ion 92.00 (91.70 to 92.70): BG

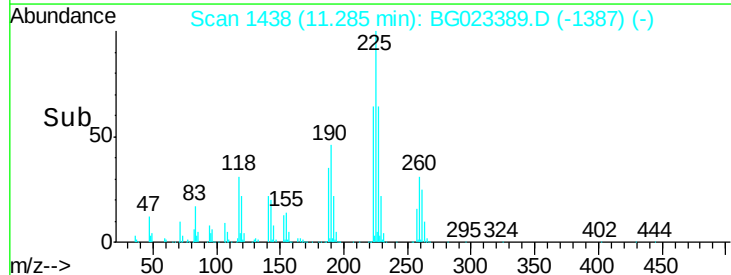
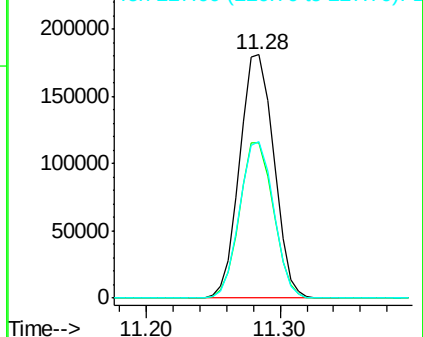


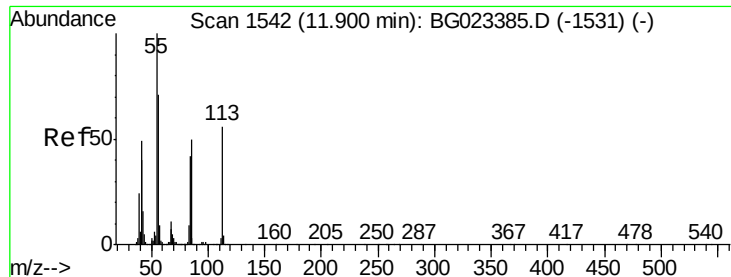
#34  
Hexachlorobutadiene  
Concen: 37.09 ng  
RT: 11.28 min Scan# 1438  
Delta R.T. 0.00 min  
Lab File: BG023389.D  
Acq: 1 Aug 2016 18:37

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 321713 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 63.7  | 49.6  | 74.4   |
| 227      | 64.1  | 54.5  | 81.7   |



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

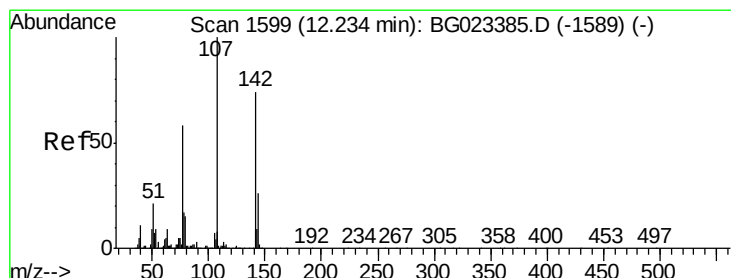
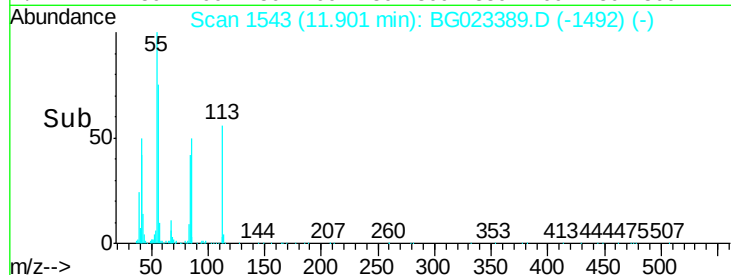
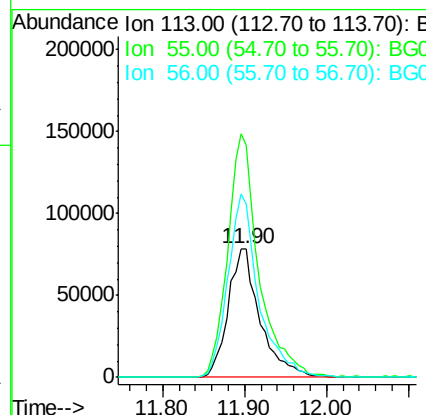
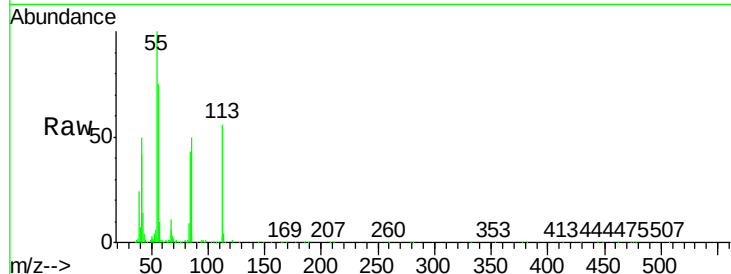




#35  
 Caprolactam  
 Concen: 41.65 ng  
 RT: 11.90 min Scan# 1543  
 Delta R.T. 0.00 min  
 Lab File: BG023389.D  
 Acq: 1 Aug 2016 18:37

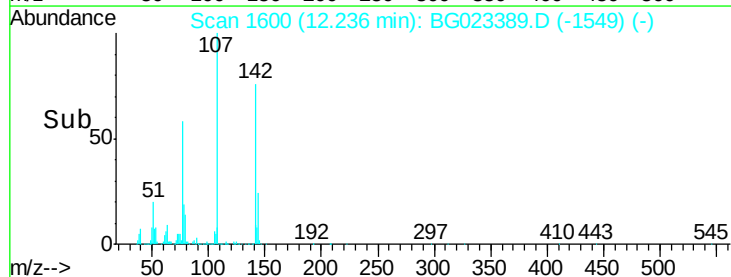
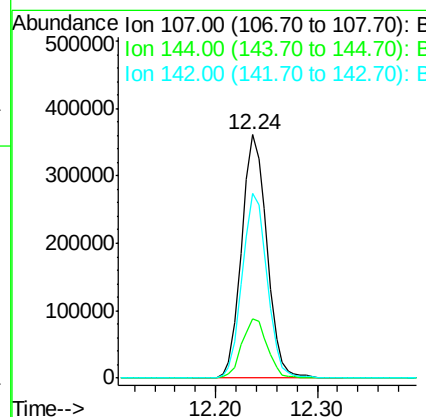
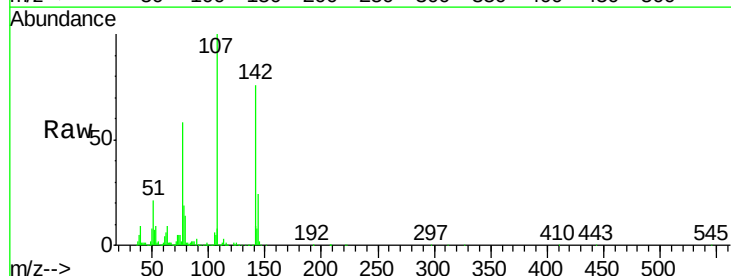
Instrument :  
 BNA\_G  
 ClientSampleId :

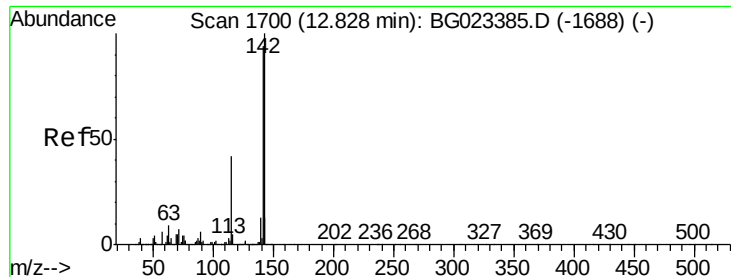
Tot Ion:113 Resp: 214257  
 Ion Ratio Lower Upper  
 113 100  
 55 179.7 154.5 194.5  
 56 134.7 125.1 165.1



#36  
 4-Chloro-3-methylphenol  
 Concen: 39.00 ng  
 RT: 12.24 min Scan# 1600  
 Delta R.T. 0.00 min  
 Lab File: BG023389.D  
 Acq: 1 Aug 2016 18:37

Tgt Ion:107 Resp: 626531  
 Ion Ratio Lower Upper  
 107 100  
 144 24.2 17.0 25.6  
 142 76.1 53.0 79.6





#37

2-Methylnaphthalene

Concen: 37.35 ng

RT: 12.61 min Scan# 1664

Delta R.T. 0.00 min

Lab File: BG023389.D

Acq: 1 Aug 2016 18:37

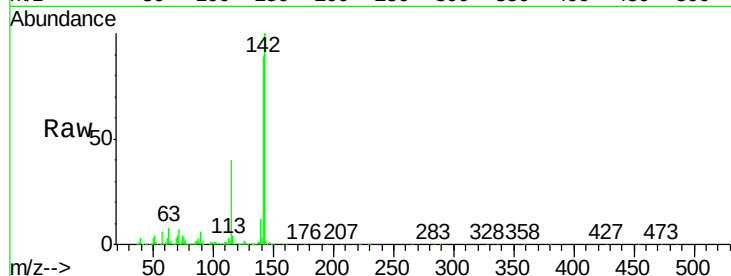
Instrument :

BNA\_G

ClientSampleId :

Tot Ion:142 Resp: 1098445

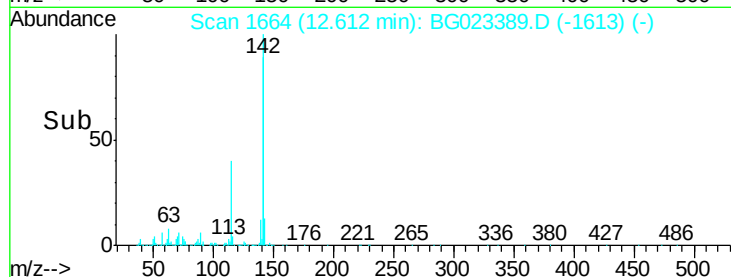
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 142 | 100   |       |       |
| 141 | 88.9  | 70.2  | 105.2 |
| 115 | 39.9  | 41.7  | 62.5  |



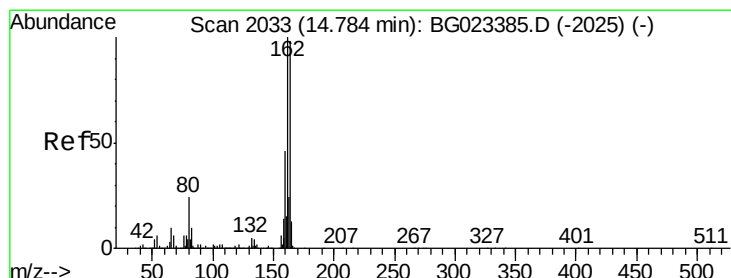
Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



Time-->



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.79 min Scan# 2034

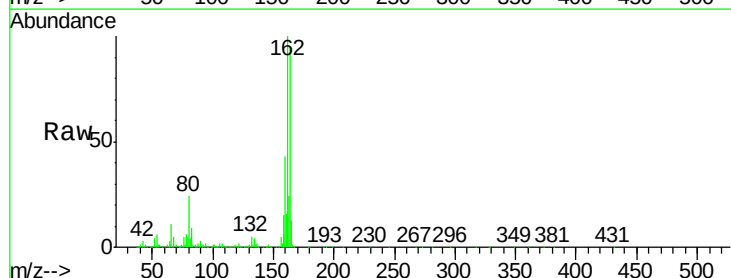
Delta R.T. 0.00 min

Lab File: BG023389.D

Acq: 1 Aug 2016 18:37

Tgt Ion:164 Resp: 547465

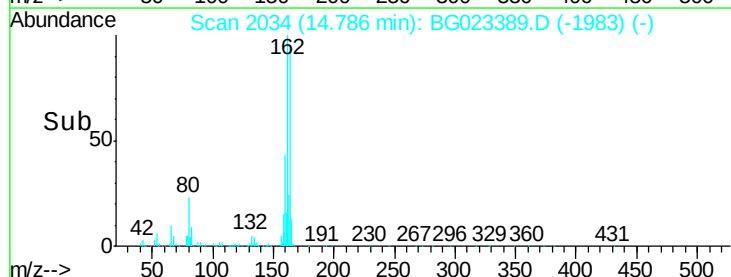
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 105.0 | 87.7  | 131.5 |
| 160 | 45.6  | 37.2  | 55.8  |



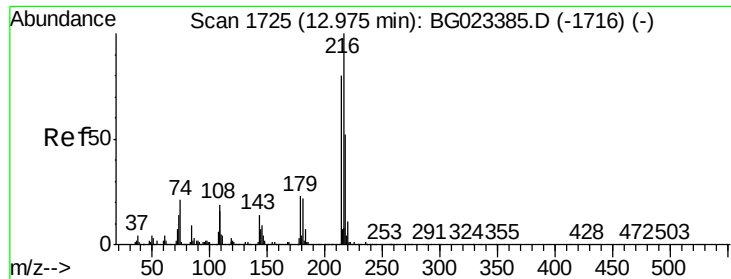
Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



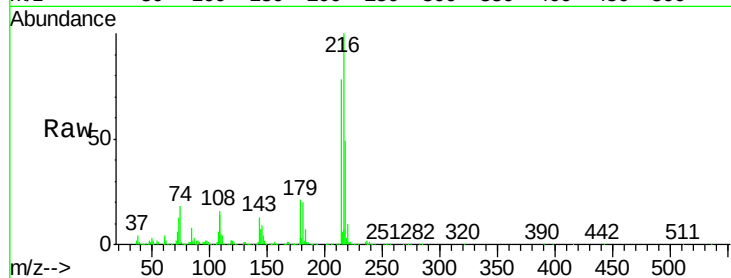
Time-->



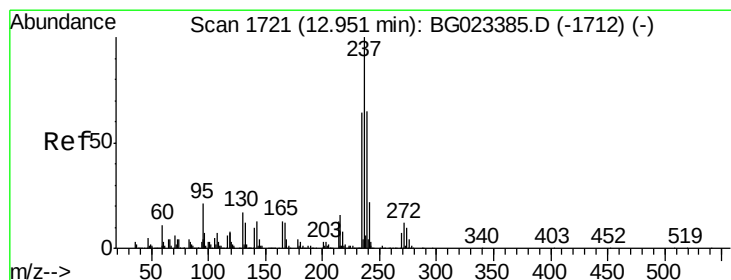
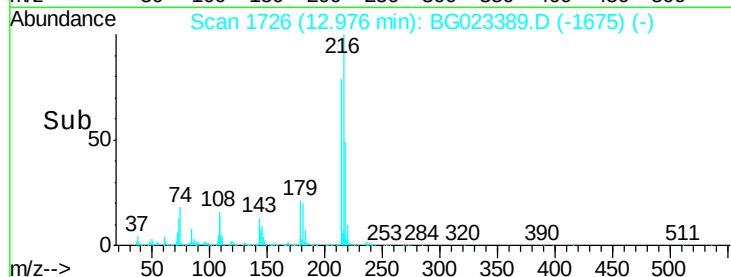
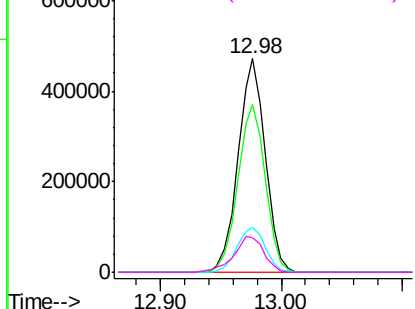
#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 37.06 ng  
 RT: 12.98 min Scan# 1726  
 Delta R.T. 0.00 min  
 Lab File: BG023389.D  
 Acq: 1 Aug 2016 18:37

Instrument :  
 BNA\_G  
 ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 216   | Resp: | 735719 |
| Ion      | Ratio | Lower | Upper  |
| 216      | 100   |       |        |
| 214      | 79.6  | 62.9  | 94.3   |
| 179      | 21.9  | 17.2  | 25.8   |
| 108      | 18.7  | 16.3  | 24.5   |

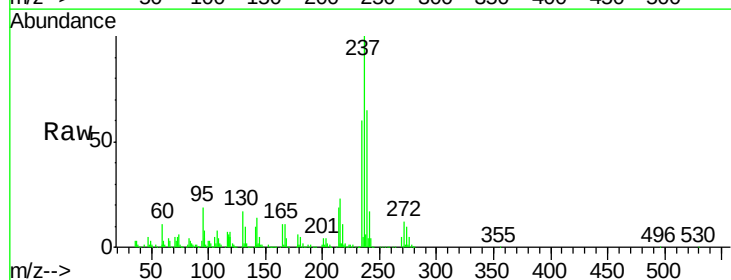


Abundance Ion 216.00 (215.70 to 216.70): E  
 Ion 214.00 (213.70 to 214.70): E  
 Ion 179.00 (178.70 to 179.70): E  
 Ion 108.00 (107.70 to 108.70): E

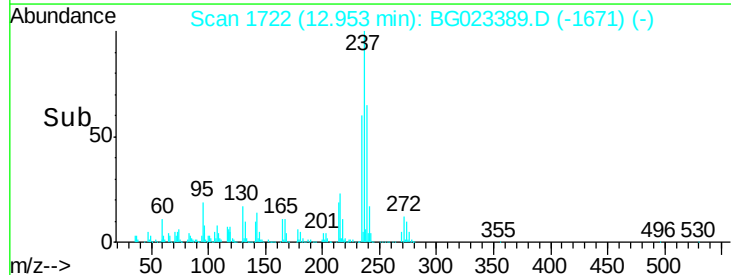
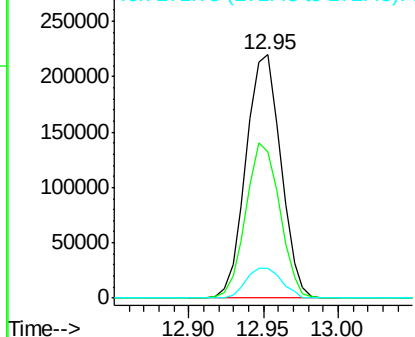


#40  
 Hexachlorocyclopentadiene  
 Concen: 35.39 ng  
 RT: 12.95 min Scan# 1722  
 Delta R.T. 0.00 min  
 Lab File: BG023389.D  
 Acq: 1 Aug 2016 18:37

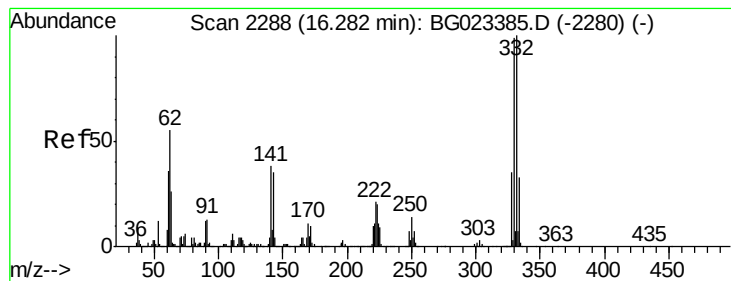
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 237   | Resp: | 354260 |
| Ion      | Ratio | Lower | Upper  |
| 237      | 100   |       |        |
| 235      | 60.3  | 43.1  | 83.1   |
| 272      | 12.1  | 0.0   | 30.9   |



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: 82.09 ng

RT: 16.28 min Scan# 2289

Delta R.T. 0.00 min

Lab File: BG023389.D

Acq: 1 Aug 2016 18:37

Instrument :

BNA\_G

ClientSampled :

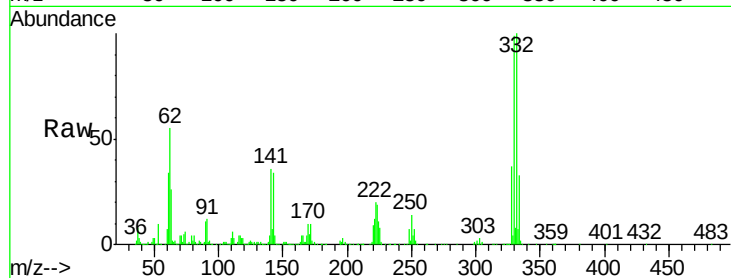
Tot Ion:330 Resp: 657383

Ion Ratio Lower Upper

330 100

332 101.3 77.4 116.2

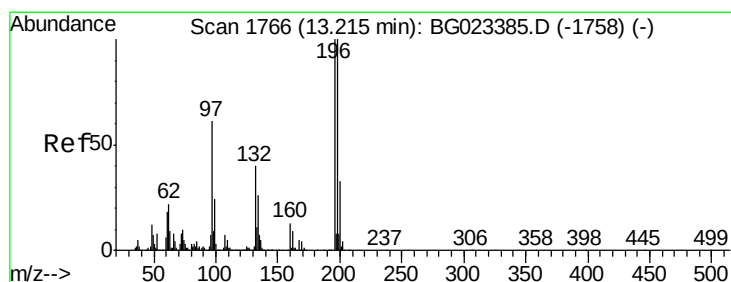
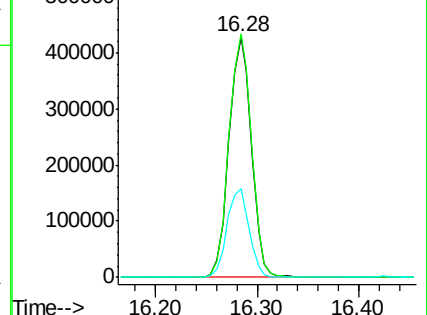
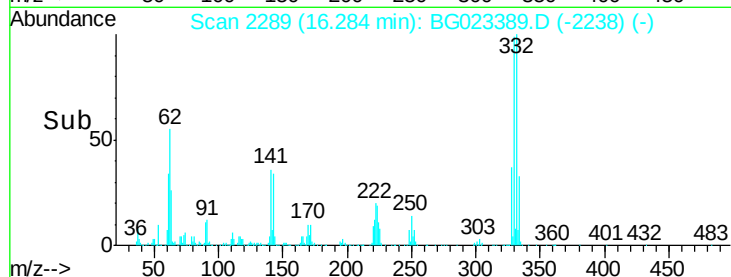
141 36.5 31.7 47.5



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: 38.29 ng

RT: 13.22 min Scan# 1767

Delta R.T. 0.00 min

Lab File: BG023389.D

Acq: 1 Aug 2016 18:37

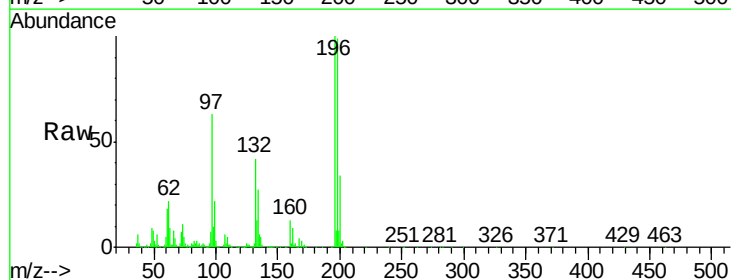
Tgt Ion:196 Resp: 452781

Ion Ratio Lower Upper

196 100

198 99.0 78.2 117.2

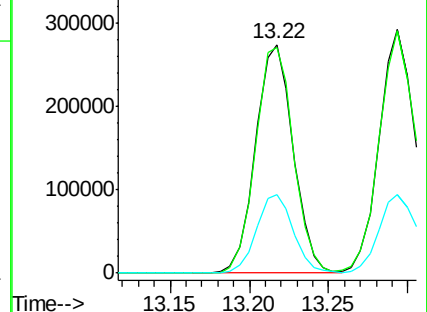
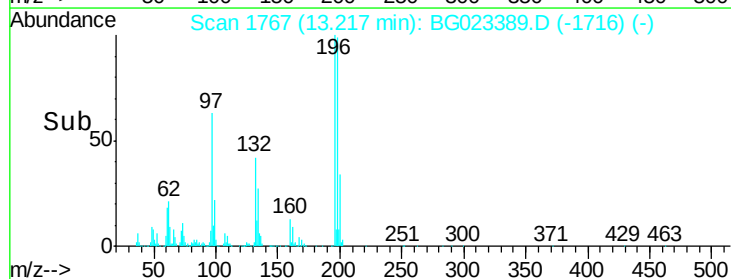
200 34.1 27.0 40.4

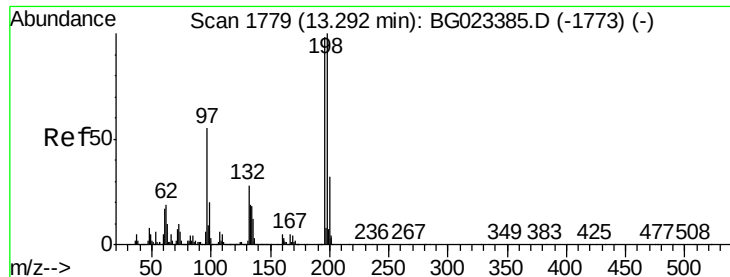


Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E

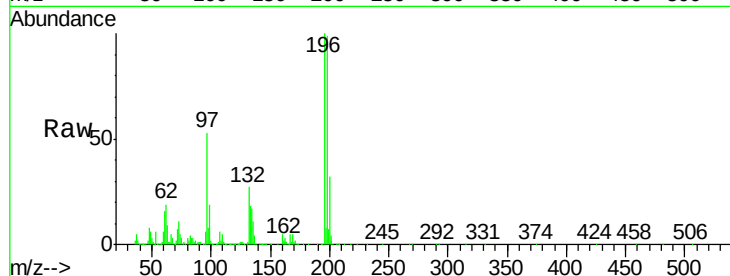




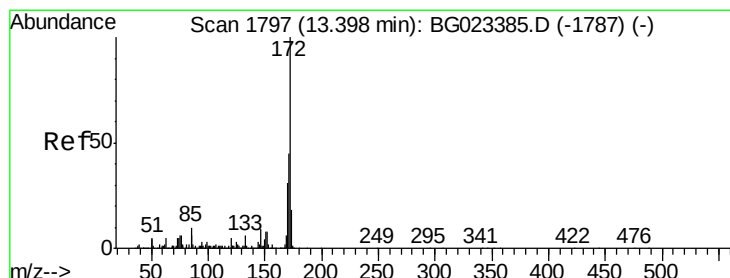
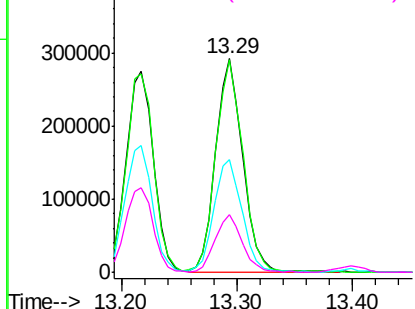
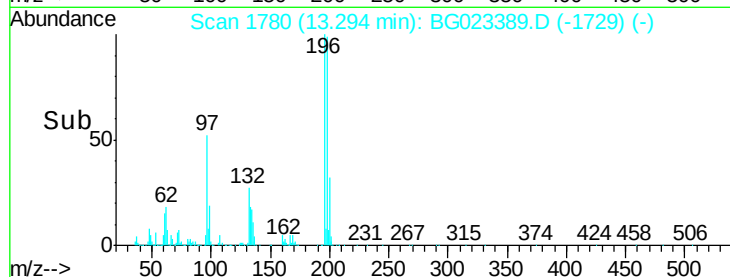
#43  
 2,4,5-Trichlorophenol  
 Concen: 38.74 ng  
 RT: 13.29 min Scan# 1780  
 Delta R.T. 0.00 min  
 Lab File: BG023389.D  
 Acq: 1 Aug 2016 18:37

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 99.3  | 85.7  | 128.5 |
| 97      | 52.9  | 45.5  | 68.3  |
| 132     | 27.1  | 18.9  | 28.3  |

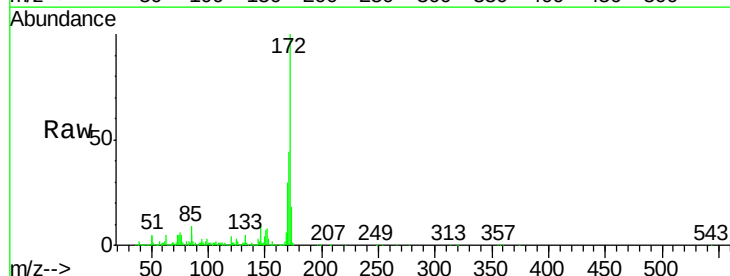


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 97.00 (96.70 to 97.70): BG  
 Ion 132.00 (131.70 to 132.70): E

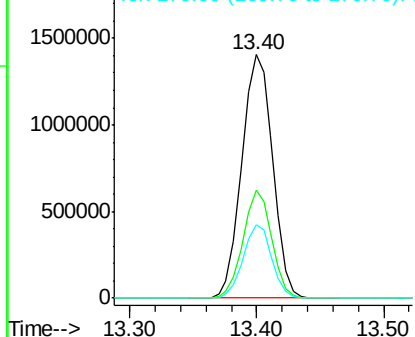
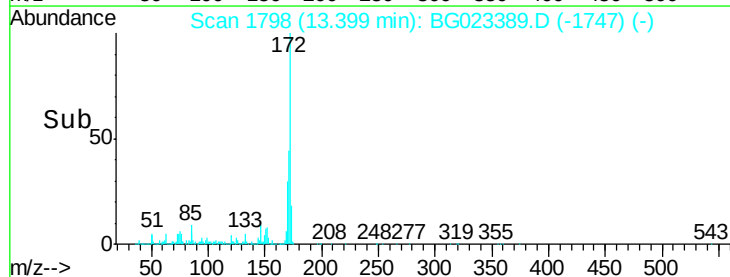


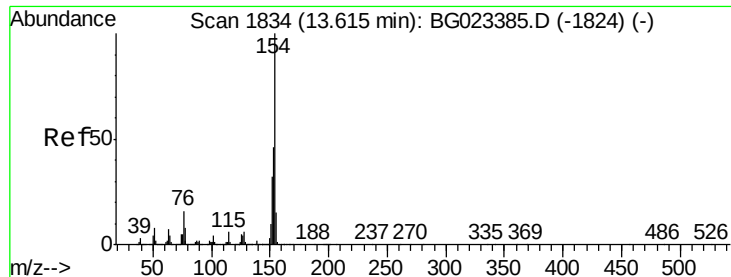
#44  
 2-Fluorobiphenyl  
 Concen: 72.93 ng  
 RT: 13.40 min Scan# 1798  
 Delta R.T. 0.00 min  
 Lab File: BG023389.D  
 Acq: 1 Aug 2016 18:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 44.4  | 31.6  | 47.4  |
| 170     | 30.1  | 21.3  | 31.9  |



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

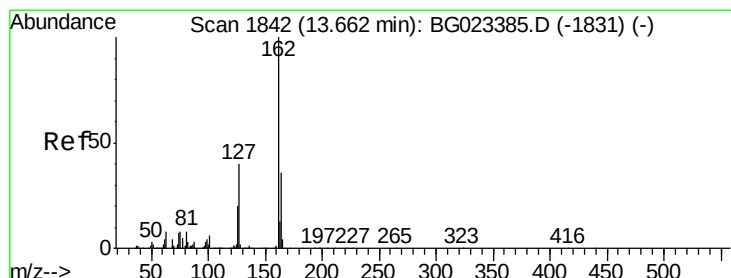
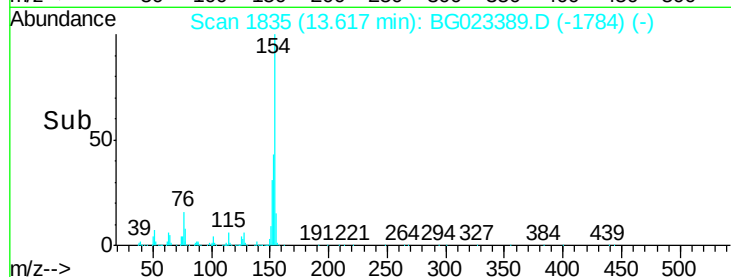
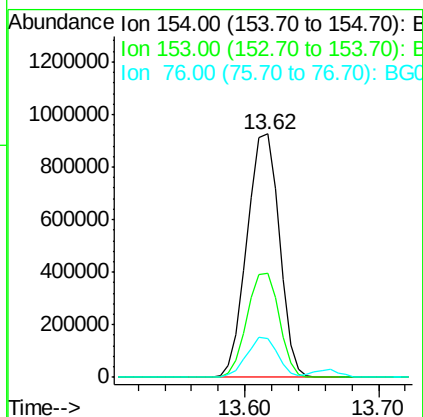
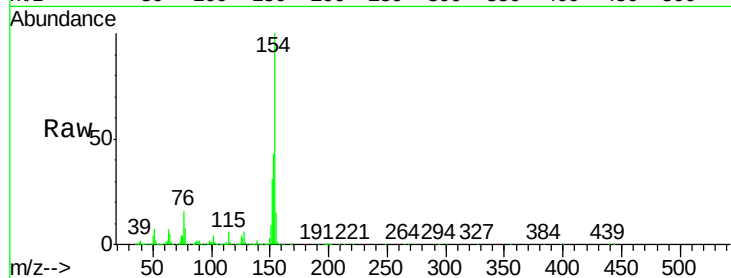




#45  
 1,1'-Biphenyl  
 Concen: 37.04 ng  
 RT: 13.62 min Scan# 1835  
 Delta R.T. 0.00 min  
 Lab File: BG023389.D  
 Acq: 1 Aug 2016 18:37

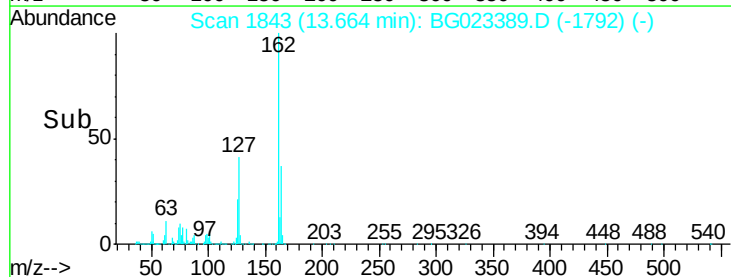
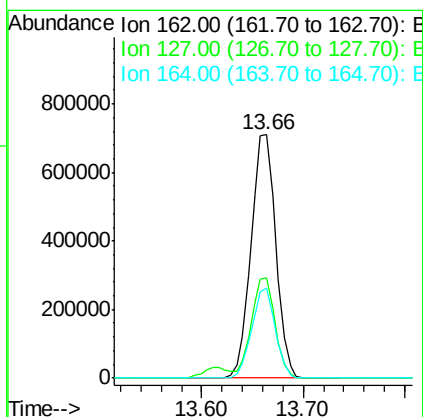
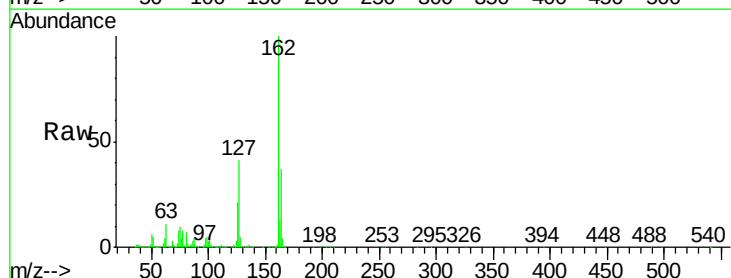
Instrument :  
 BNA\_G  
 ClientSampleId :

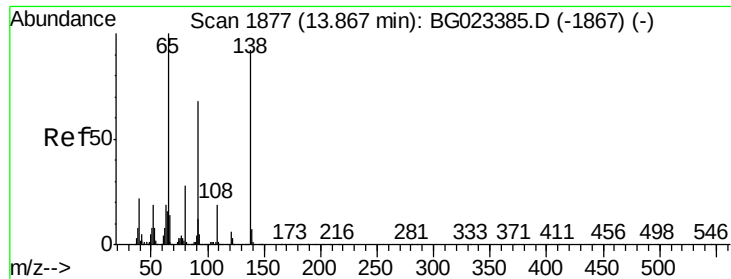
Tot Ion:154 Resp: 1550275  
 Ion Ratio Lower Upper  
 154 100  
 153 42.9 20.2 60.2  
 76 15.7 0.0 32.9



#46  
 2-Chloronaphthalene  
 Concen: 37.09 ng  
 RT: 13.66 min Scan# 1843  
 Delta R.T. 0.00 min  
 Lab File: BG023389.D  
 Acq: 1 Aug 2016 18:37

Tgt Ion:162 Resp: 1200907  
 Ion Ratio Lower Upper  
 162 100  
 127 41.2 32.4 48.6  
 164 36.8 25.2 37.8

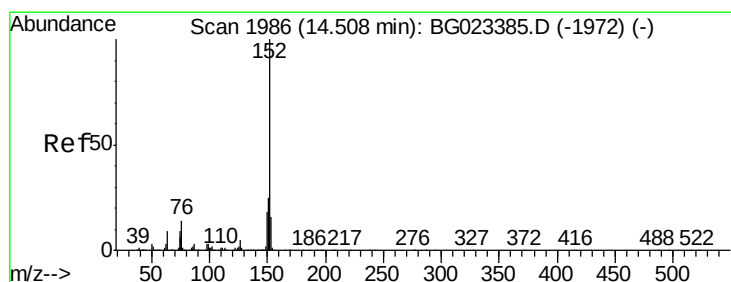
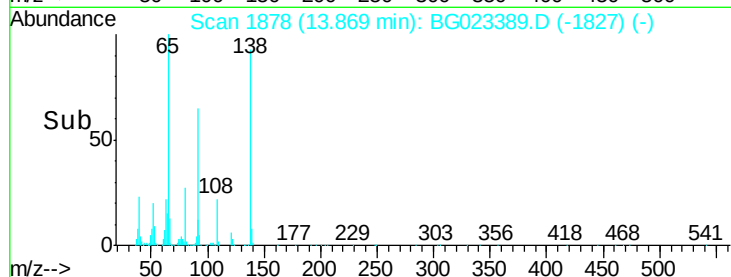
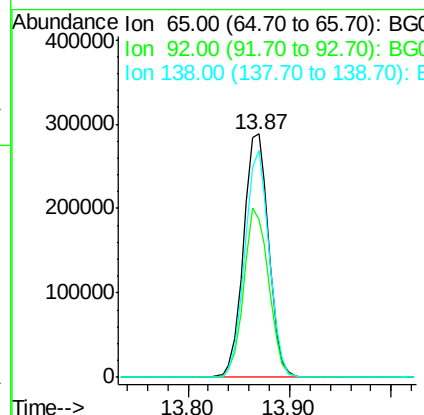
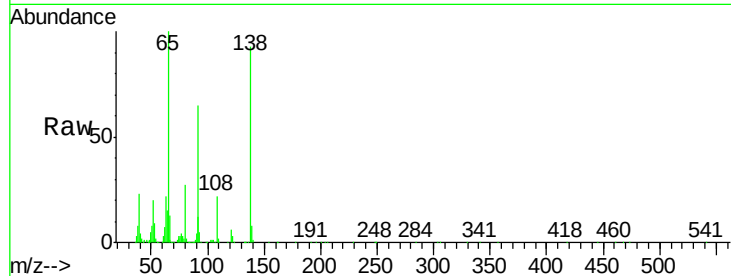




#47  
2-Nitroaniline  
Concen: 36.93 ng  
RT: 13.87 min Scan# 1878  
Delta R.T. 0.00 min  
Lab File: BG023389.D  
Acq: 1 Aug 2016 18:37

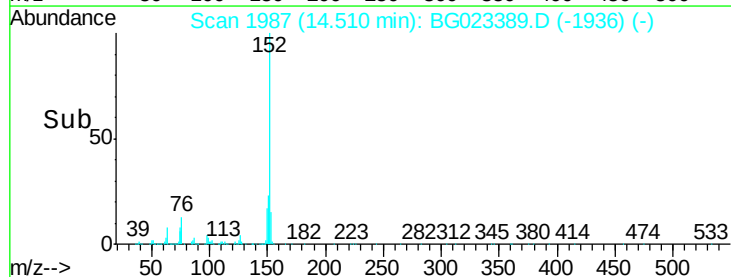
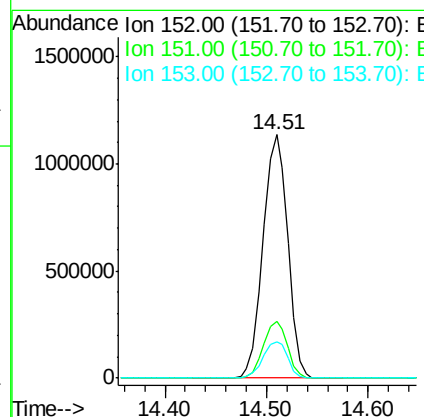
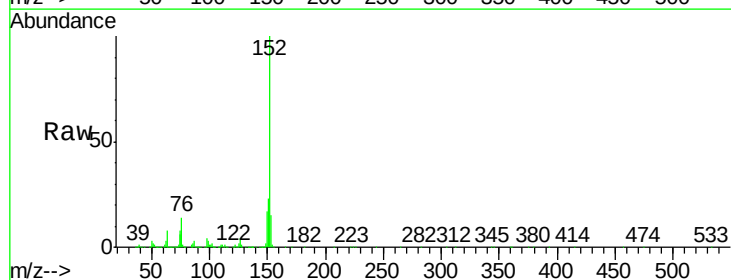
Instrument :  
BNA\_G  
ClientSampleId :

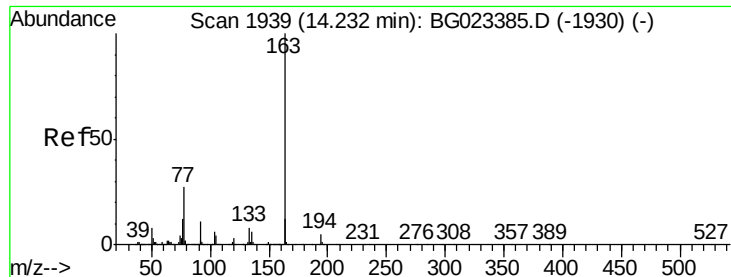
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 65.0  | 49.4  | 74.0  |
| 138     | 93.1  | 58.0  | 87.0  |



#48  
Acenaphthylene  
Concen: 37.79 ng  
RT: 14.51 min Scan# 1987  
Delta R.T. 0.00 min  
Lab File: BG023389.D  
Acq: 1 Aug 2016 18:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 23.4  | 17.6  | 26.4  |
| 153     | 15.1  | 11.4  | 17.2  |





#49

Dimethylphthalate

Concen: 39.65 ng

RT: 14.23 min Scan# 1940

Delta R.T. 0.00 min

Lab File: BG023389.D

Acq: 1 Aug 2016 18:37

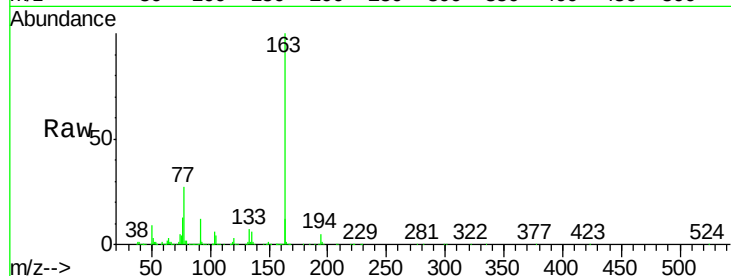
Instrument :

BNA\_G

ClientSampleId :

Tot Ion:163 Resp: 1665369

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 163 | 100   |       |       |
| 194 | 4.9   | 3.6   | 5.4   |
| 164 | 11.6  | 8.1   | 12.1  |

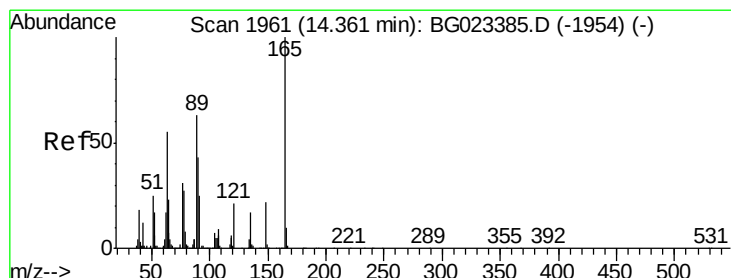
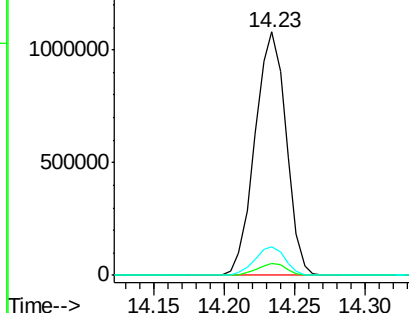
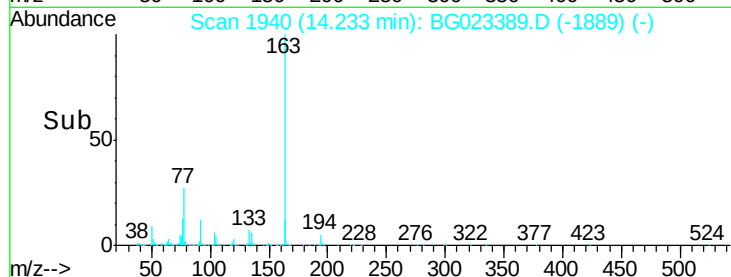


Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 39.87 ng

RT: 14.36 min Scan# 1961

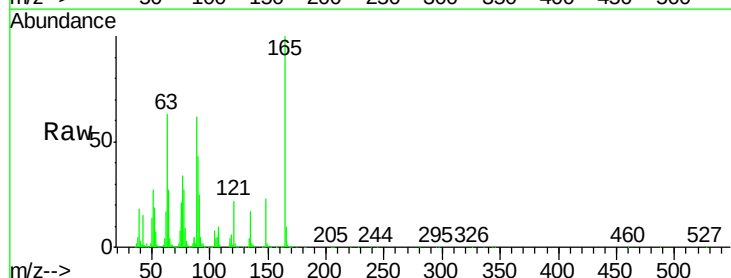
Delta R.T. -0.00 min

Lab File: BG023389.D

Acq: 1 Aug 2016 18:37

Tgt Ion:165 Resp: 396588

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 165 | 100   |       |       |
| 63  | 62.6  | 64.3  | 96.5# |
| 89  | 62.2  | 64.3  | 96.5# |

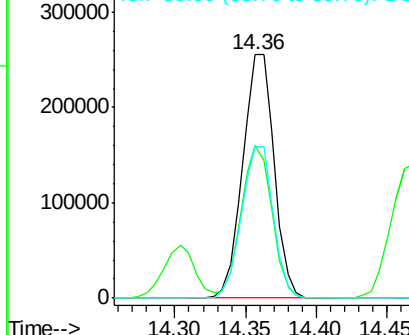
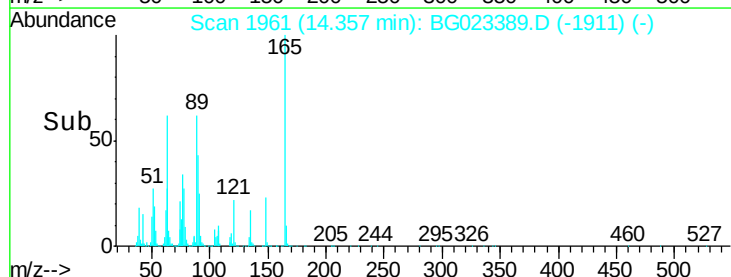


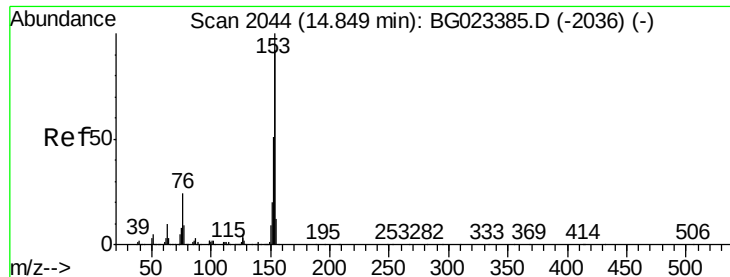
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 89.00 (88.70 to 89.70): BG0





#51

Acenaphthene

Concen: 38.11 ng

RT: 14.85 min Scan# 2045

Delta R.T. 0.00 min

Lab File: BG023389.D

Acq: 1 Aug 2016 18:37

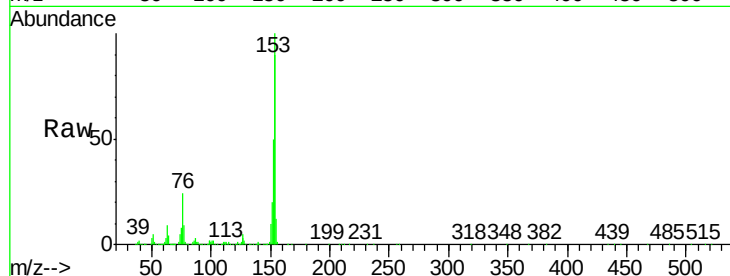
Instrument :

BNA\_G

ClientSampled :

Tot Ion:154 Resp: 1235567

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 154 | 100   |       |       |
| 153 | 111.6 | 87.5  | 131.3 |
| 152 | 55.9  | 42.7  | 64.1  |

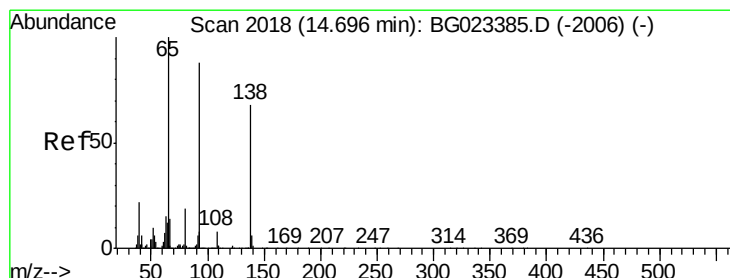
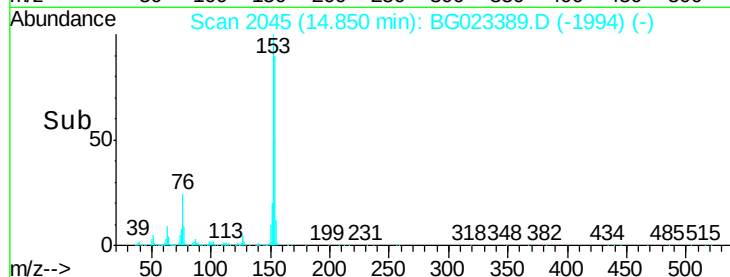
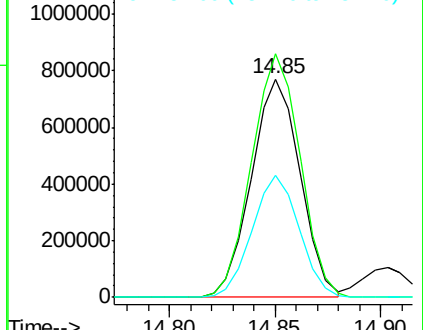


Abundance

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: 37.66 ng

RT: 14.70 min Scan# 2019

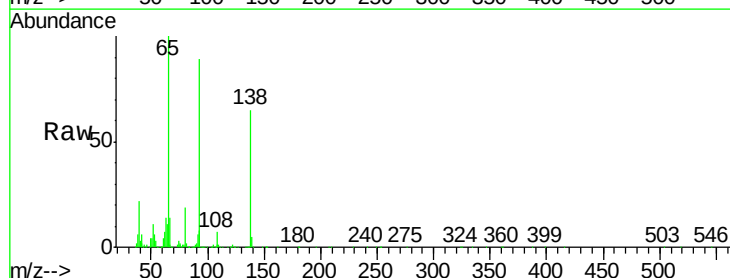
Delta R.T. 0.00 min

Lab File: BG023389.D

Acq: 1 Aug 2016 18:37

Tgt Ion:138 Resp: 422425

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 138 | 100   |       |       |
| 108 | 11.5  | 11.7  | 17.5# |
| 92  | 136.7 | 129.7 | 194.5 |

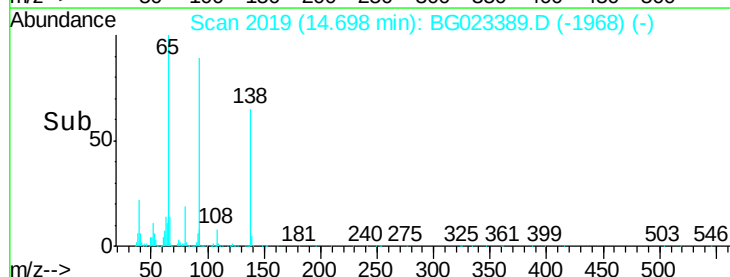
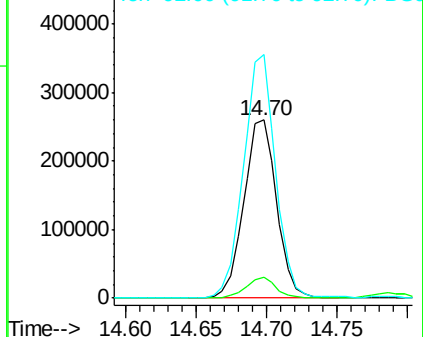


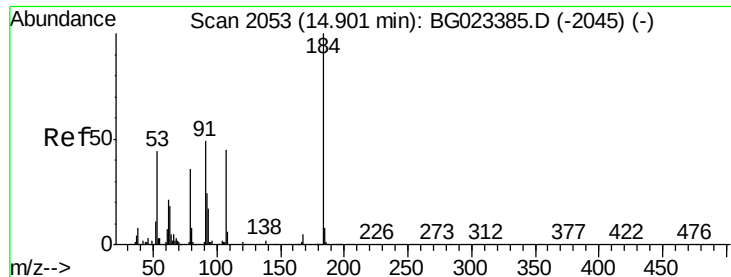
Abundance

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

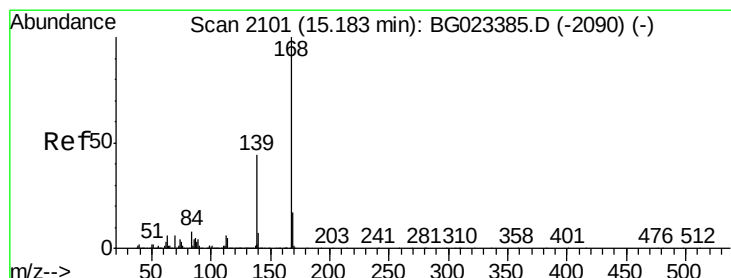
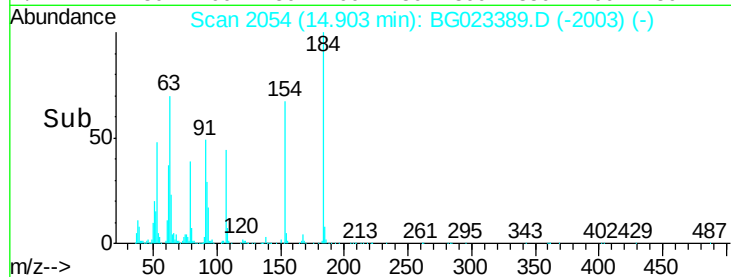
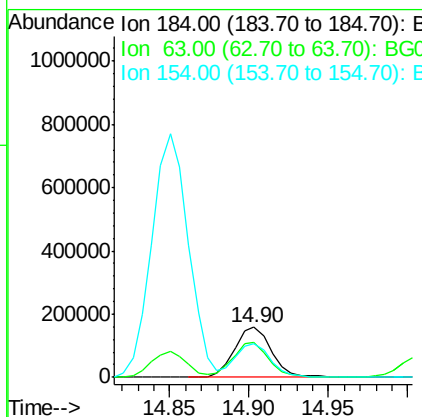
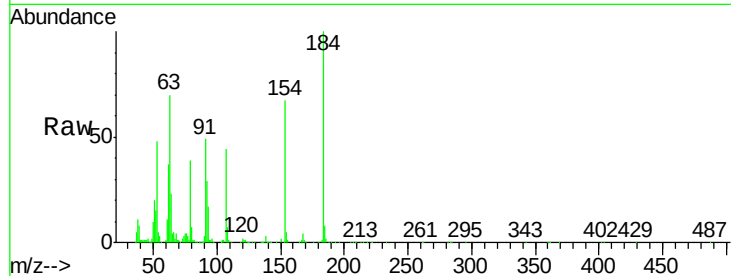




#53  
2,4-Dinitrophenol  
Concen: 40.09 ng  
RT: 14.90 min Scan# 2054  
Delta R.T. 0.00 min  
Lab File: BG023389.D  
Acq: 1 Aug 2016 18:37

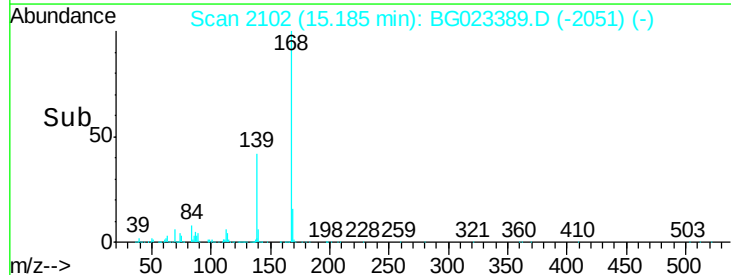
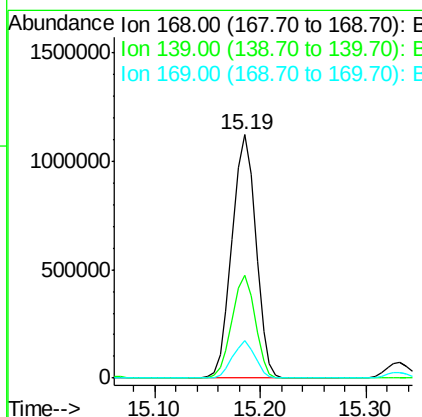
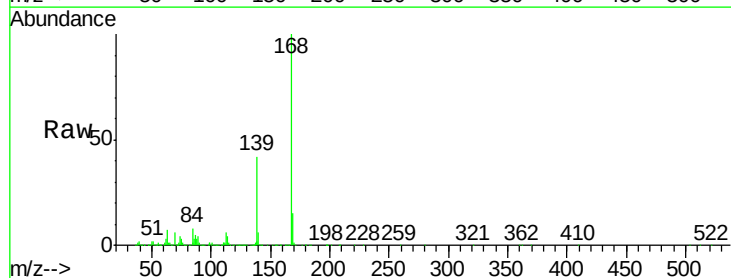
Instrument :  
BNA\_G  
ClientSampleId :

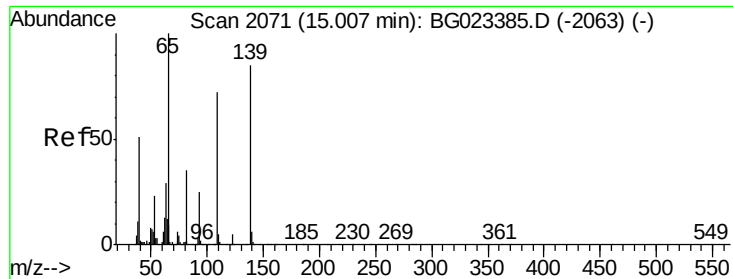
Tot Ion:184 Resp: 255623  
Ion Ratio Lower Upper  
184 100  
63 70.0 59.6 89.4  
154 67.2 67.4 101.0#



#54  
Dibenzofuran  
Concen: 37.22 ng  
RT: 15.19 min Scan# 2102  
Delta R.T. 0.00 min  
Lab File: BG023389.D  
Acq: 1 Aug 2016 18:37

Tgt Ion:168 Resp: 1752035  
Ion Ratio Lower Upper  
168 100  
139 42.4 36.4 54.6  
169 15.5 11.9 17.9





#55

4-Nitrophenol

Concen: 41.75 ng

RT: 15.01 min Scan# 2072

Delta R.T. 0.00 min

Lab File: BG023389.D

Acq: 1 Aug 2016 18:37

Instrument :

BNA\_G

ClientSampleId :

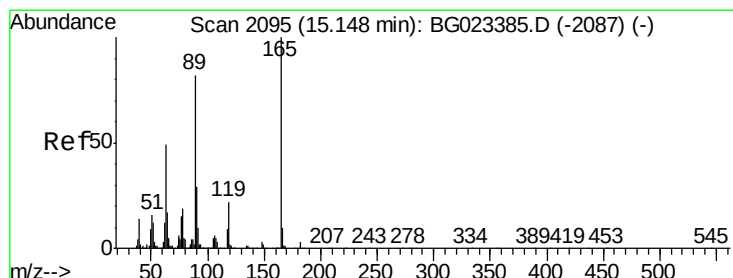
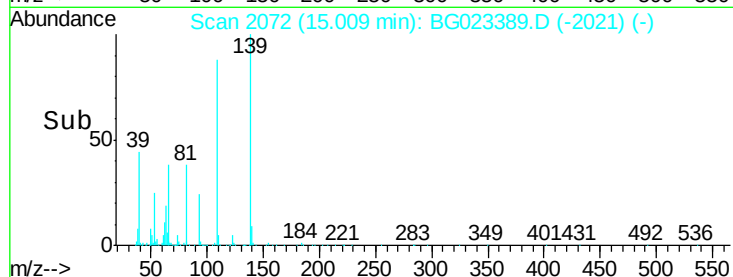
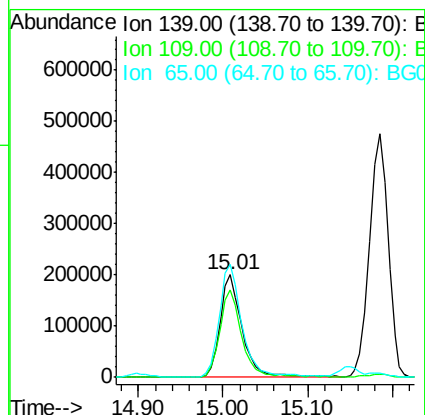
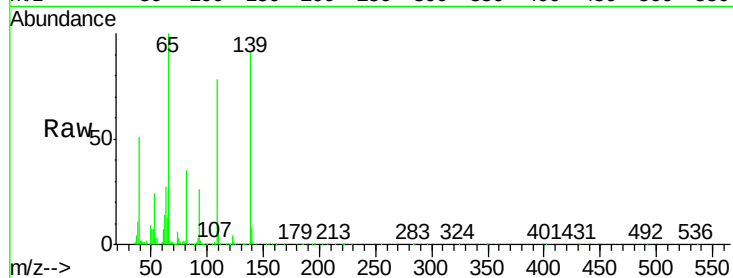
Tot Ion:139 Resp: 367833

Ion Ratio Lower Upper

139 100

109 85.3 103.0 143.0#

65 110.0 112.7 152.7#



#56

2,4-Dinitrotoluene

Concen: 41.84 ng

RT: 15.15 min Scan# 2096

Delta R.T. 0.00 min

Lab File: BG023389.D

Acq: 1 Aug 2016 18:37

Tgt Ion:165 Resp: 584140

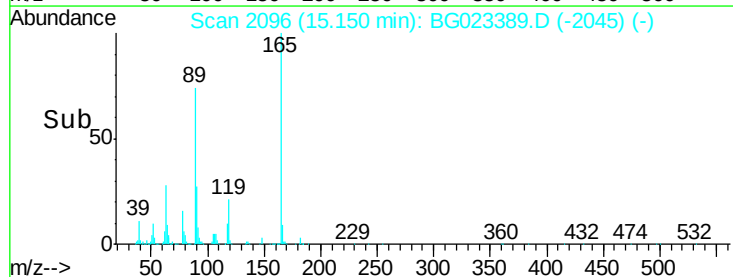
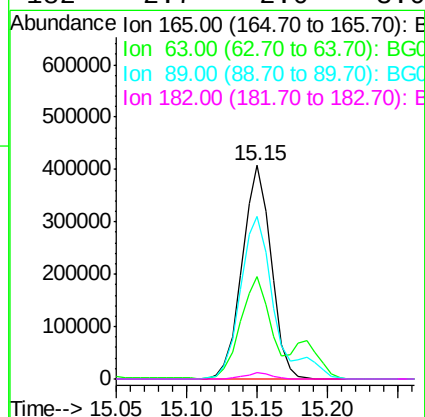
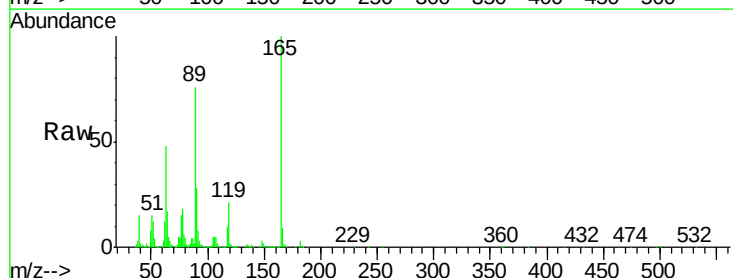
Ion Ratio Lower Upper

165 100

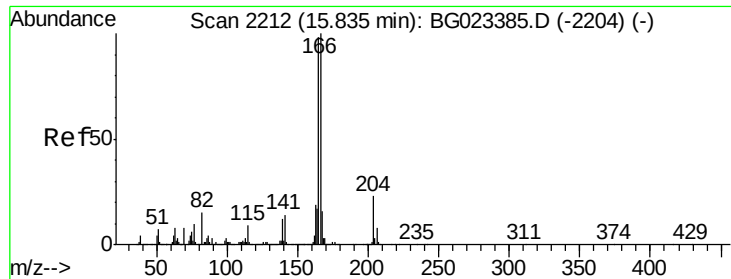
63 47.9 45.8 68.6

89 75.9 68.6 102.8

182 2.7 2.0 3.0



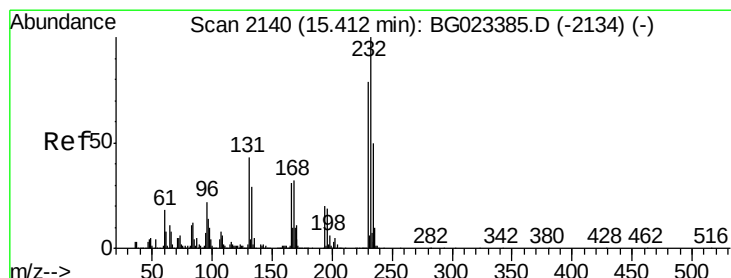
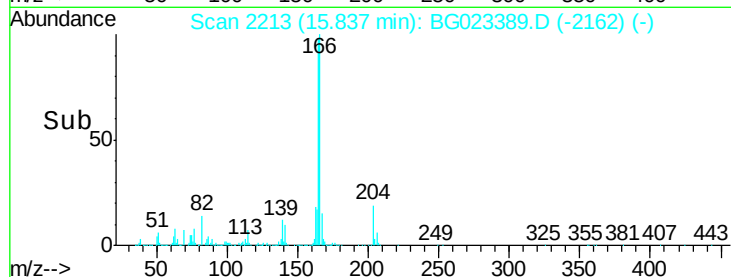
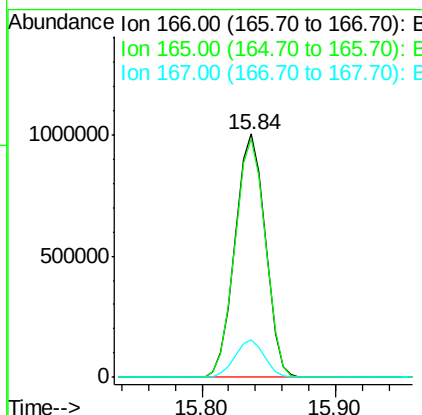
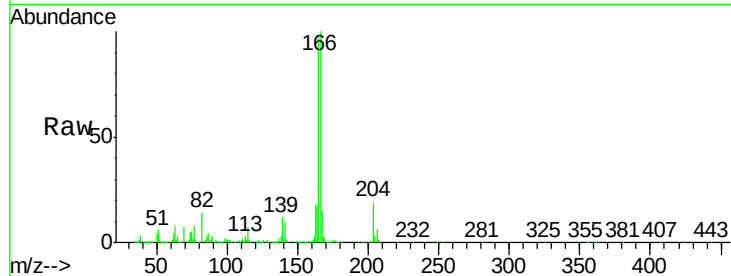




#57  
 Fluorene  
 Concen: 38.45 ng  
 RT: 15.84 min Scan# 2213  
 Delta R.T. 0.00 min  
 Lab File: BG023389.D  
 Acq: 1 Aug 2016 18:37

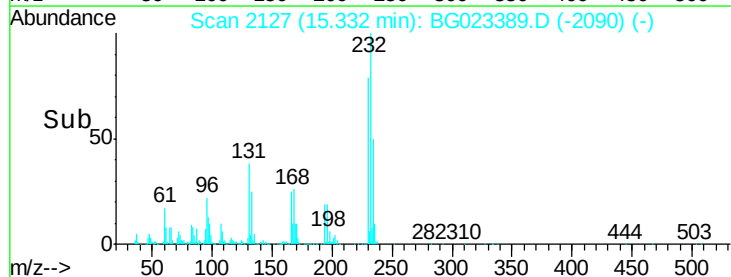
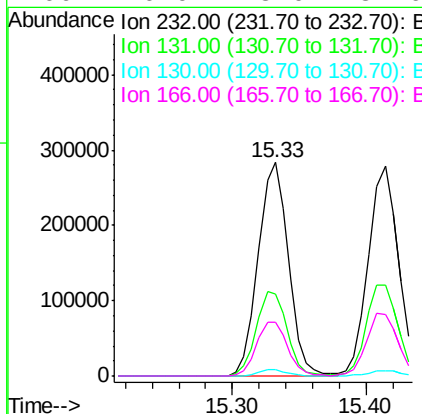
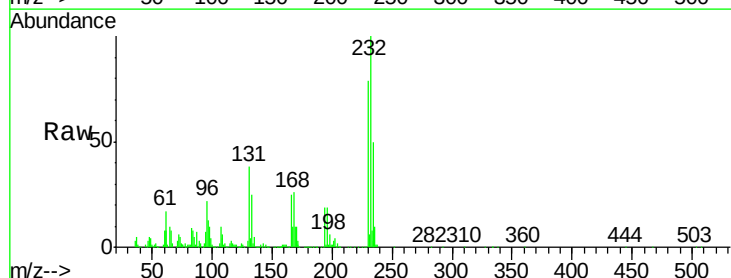
Instrument :  
 BNA\_G  
 ClientSampleId :

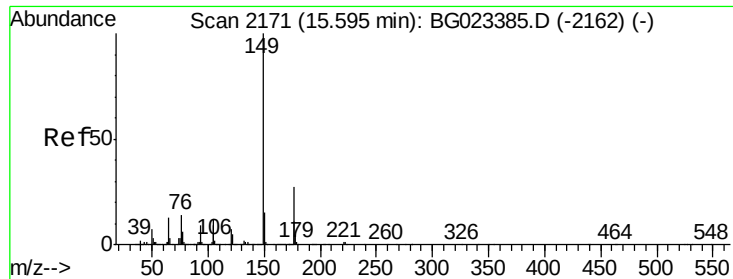
Tot Ion:166 Resp: 1579408  
 Ion Ratio Lower Upper  
 166 100  
 165 98.2 81.0 121.6  
 167 15.5 12.0 18.0



#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 39.71 ng  
 RT: 15.33 min Scan# 2127  
 Delta R.T. -0.08 min  
 Lab File: BG023389.D  
 Acq: 1 Aug 2016 18:37

Tgt Ion:232 Resp: 443594  
 Ion Ratio Lower Upper  
 232 100  
 131 40.1 32.7 49.1  
 130 2.7 2.6 3.8  
 166 26.0 23.0 34.6





#59

Diethylphthalate

Concen: 40.16 ng

RT: 15.60 min Scan# 2172

Delta R.T. 0.00 min

Lab File: BG023389.D

Acq: 1 Aug 2016 18:37

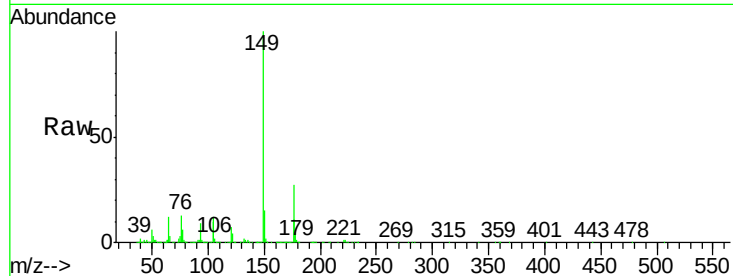
Instrument :

BNA\_G

ClientSampleId :

Tot Ion:149 Resp: 1712194

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 177 | 27.3  | 19.2  | 28.8  |
| 150 | 14.6  | 10.6  | 16.0  |

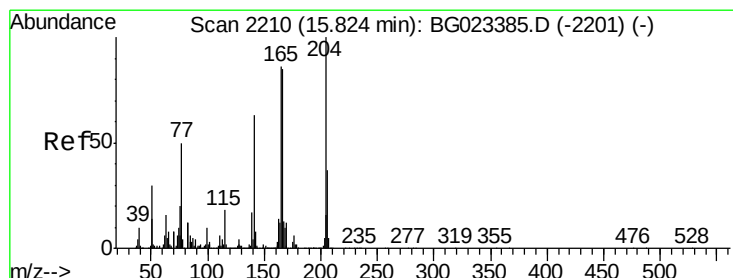
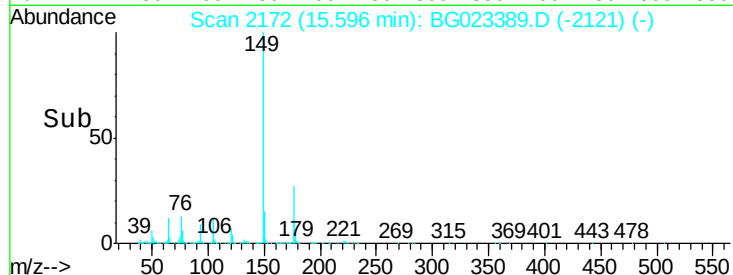
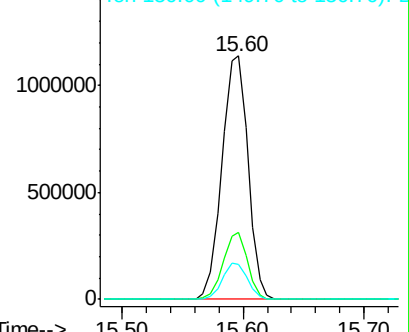


Abundance

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: 38.97 ng

RT: 15.83 min Scan# 2211

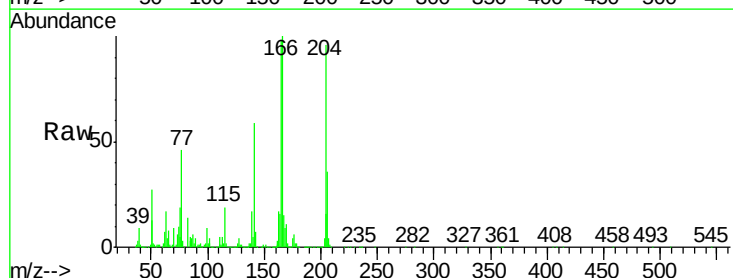
Delta R.T. 0.00 min

Lab File: BG023389.D

Acq: 1 Aug 2016 18:37

Tgt Ion:204 Resp: 847208

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 204 | 100   |       |       |
| 206 | 37.1  | 28.5  | 42.7  |
| 141 | 61.9  | 51.4  | 77.0  |

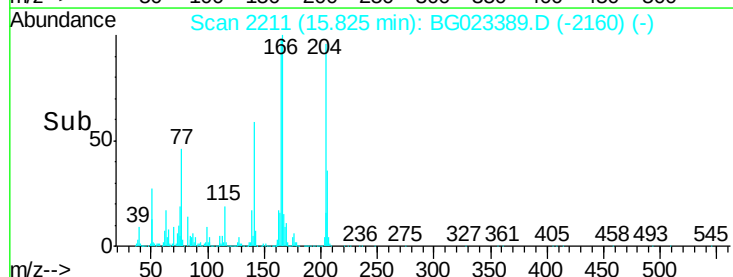
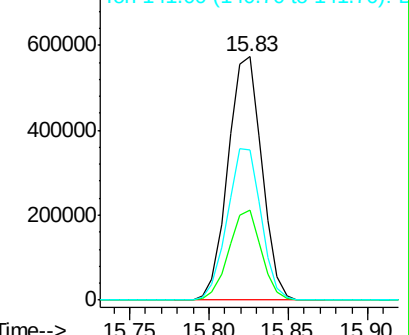


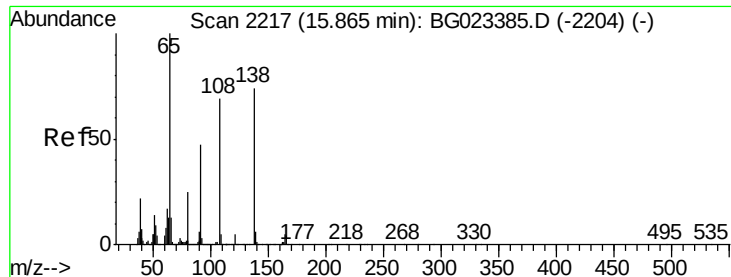
Abundance

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

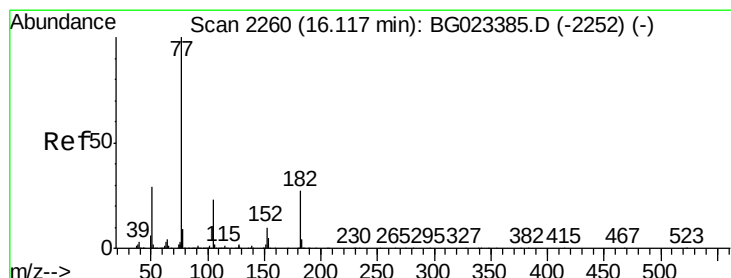
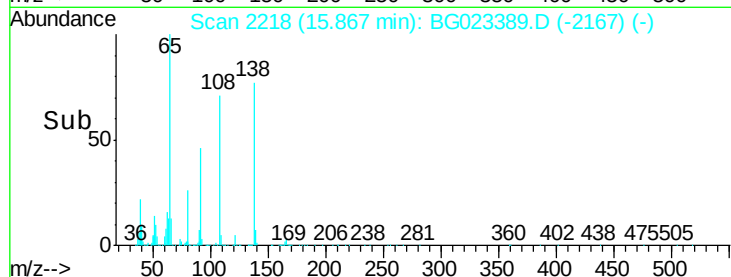
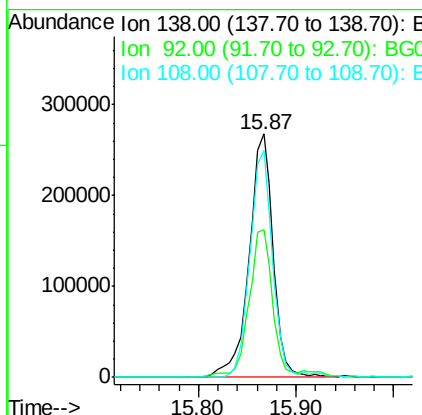
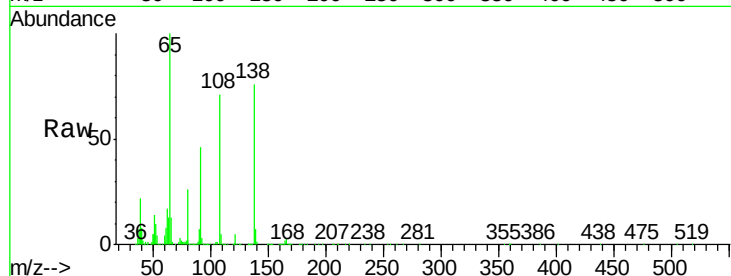




#61  
4-Nitroaniline  
Concen: 38.83 ng  
RT: 15.87 min Scan# 2218  
Delta R.T. 0.00 min  
Lab File: BG023389.D  
Acq: 1 Aug 2016 18:37

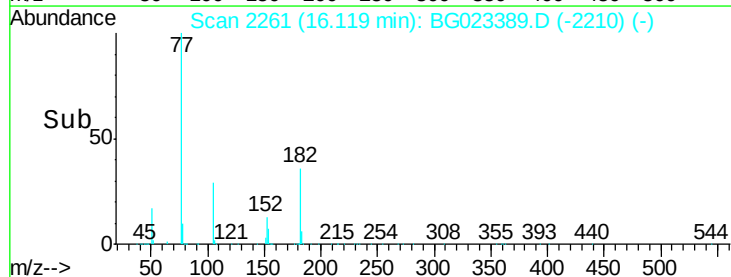
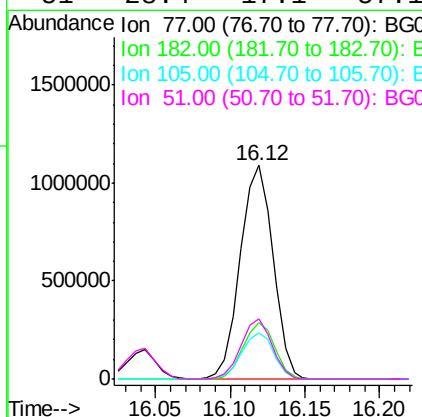
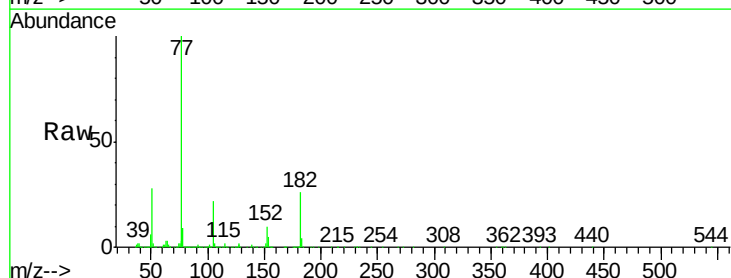
Instrument :  
BNA\_G  
ClientSampleId :

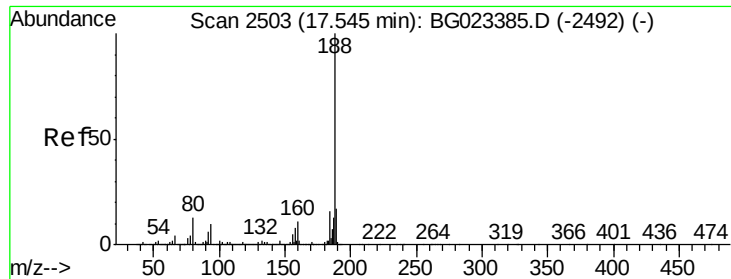
Tot Ion:138 Resp: 463686  
Ion Ratio Lower Upper  
138 100  
92 60.6 54.1 94.1  
108 93.2 133.9 173.9#



#62  
Azobenzene  
Concen: 38.35 ng  
RT: 16.12 min Scan# 2261  
Delta R.T. 0.00 min  
Lab File: BG023389.D  
Acq: 1 Aug 2016 18:37

Tgt Ion: 77 Resp: 1657664  
Ion Ratio Lower Upper  
77 100  
182 26.2 3.5 43.5  
105 21.5 0.0 38.5  
51 28.4 17.1 57.1





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.55 min Scan# 2504

Delta R.T. 0.00 min

Lab File: BG023389.D

Acq: 1 Aug 2016 18:37

Instrument :

BNA\_G

ClientSampleId :

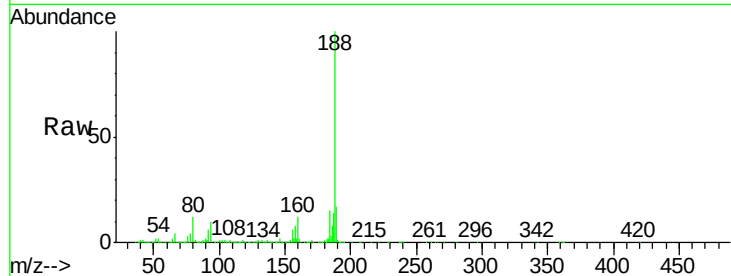
Tot Ion:188 Resp: 1365926

Ion Ratio Lower Upper

188 100

94 10.2 5.2 7.8#

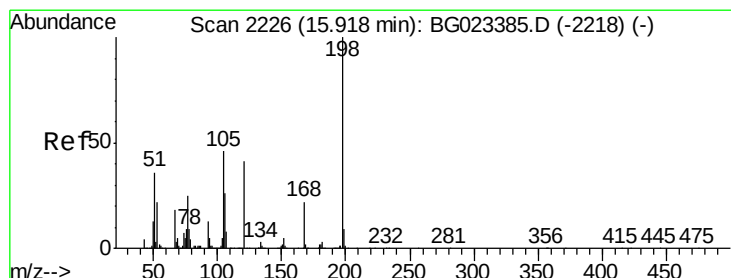
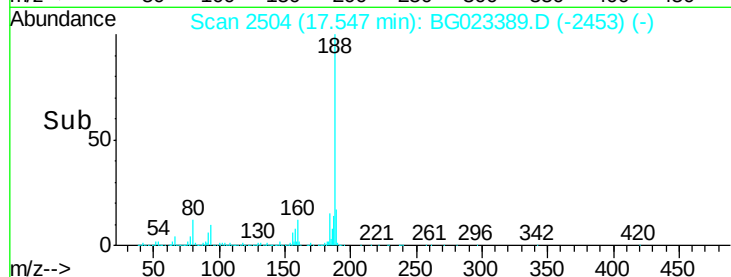
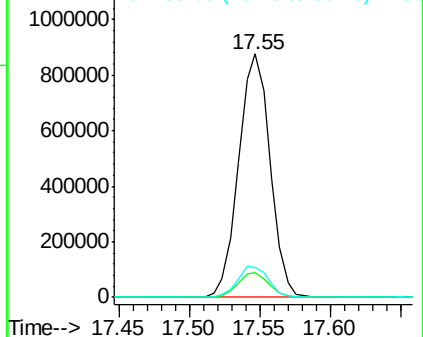
80 12.4 7.2 10.8#



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: 42.17 ng

RT: 15.92 min Scan# 2227

Delta R.T. 0.00 min

Lab File: BG023389.D

Acq: 1 Aug 2016 18:37

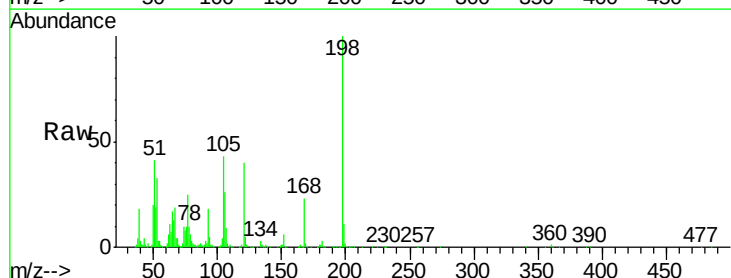
Tgt Ion:198 Resp: 391617

Ion Ratio Lower Upper

198 100

51 41.2 26.0 66.0

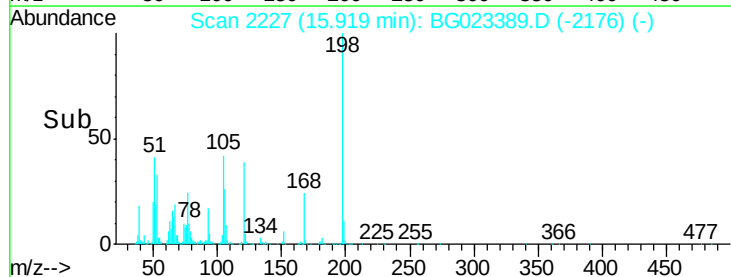
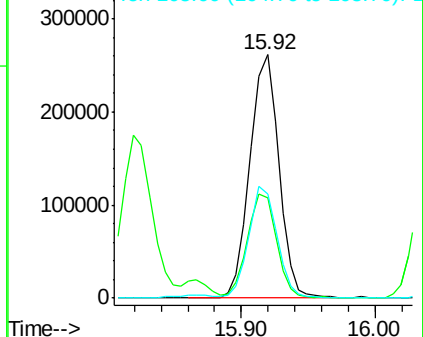
105 42.5 20.1 60.1

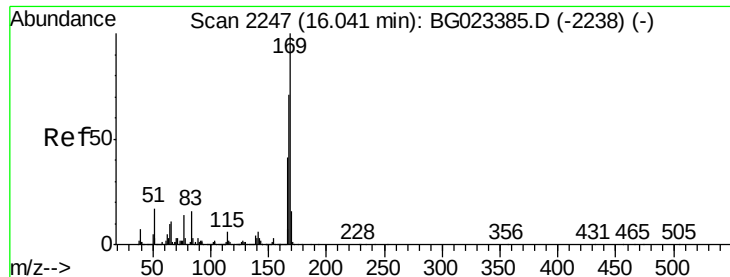


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 36.47 ng

RT: 16.04 min Scan# 2248

Delta R.T. 0.00 min

Lab File: BG023389.D

Acq: 1 Aug 2016 18:37

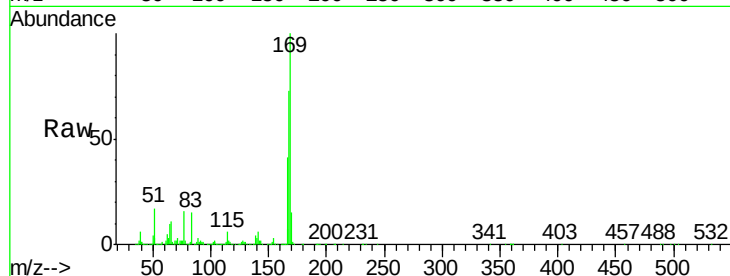
Instrument :

BNA\_G

ClientSampleId :

Tot Ion:169 Resp: 1461070

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 169 | 100   |       |       |
| 168 | 72.9  | 55.0  | 82.4  |
| 167 | 41.1  | 27.4  | 41.0  |

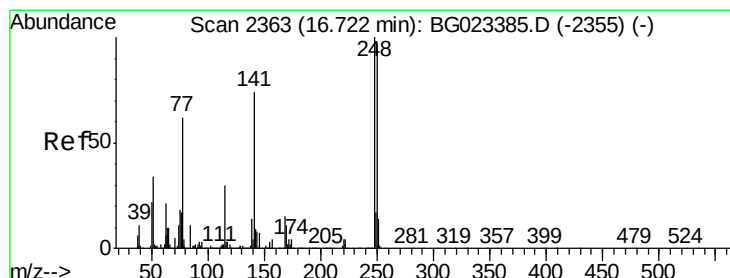
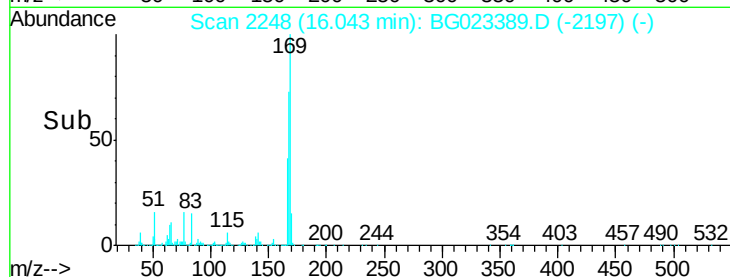
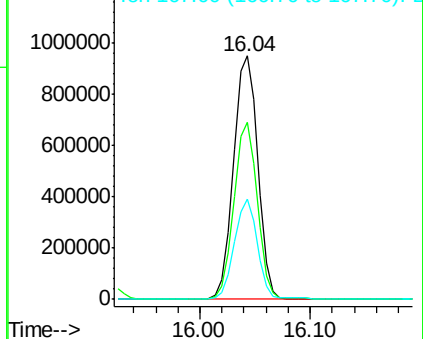


Abundance

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: 38.08 ng

RT: 16.72 min Scan# 2364

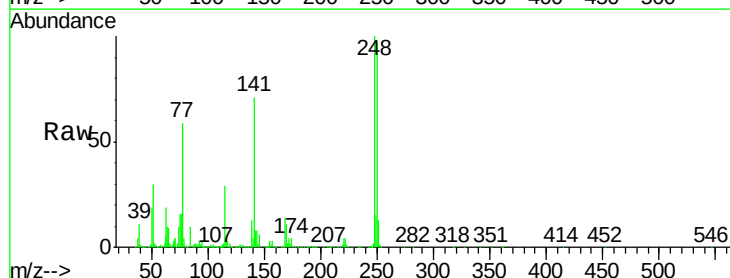
Delta R.T. 0.00 min

Lab File: BG023389.D

Acq: 1 Aug 2016 18:37

Tgt Ion:248 Resp: 606210

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 248 | 100   |       |       |
| 250 | 97.4  | 77.8  | 116.8 |
| 141 | 70.6  | 65.7  | 98.5  |

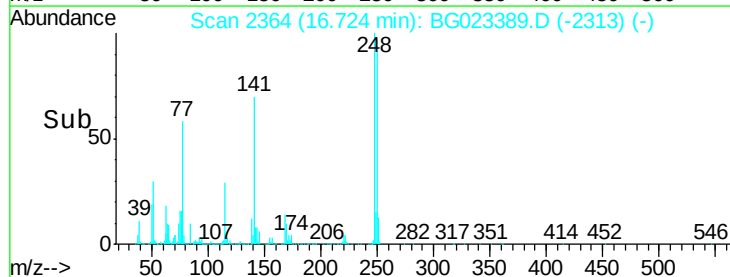
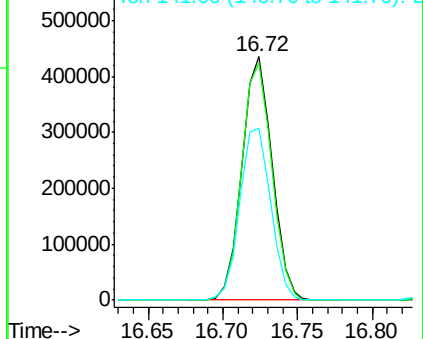


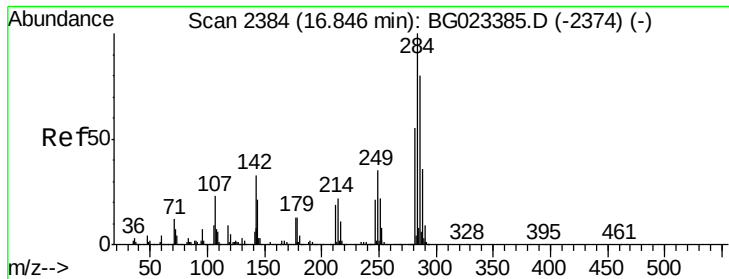
Abundance

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

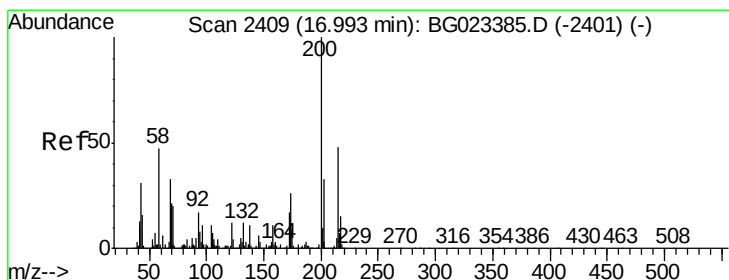
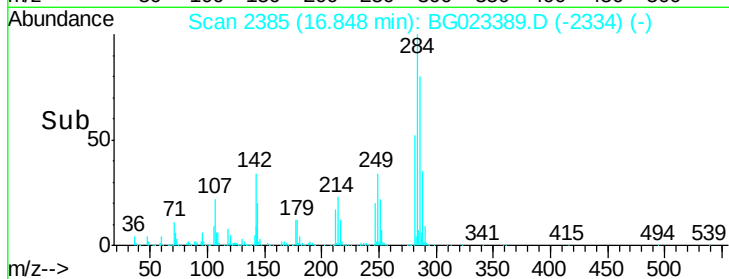
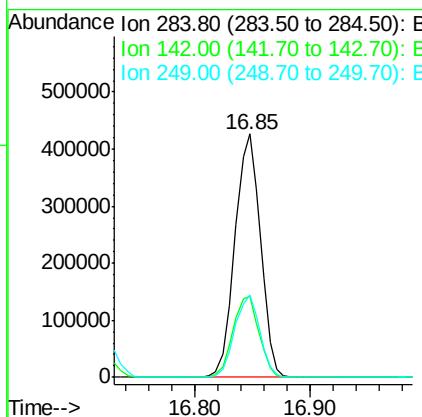
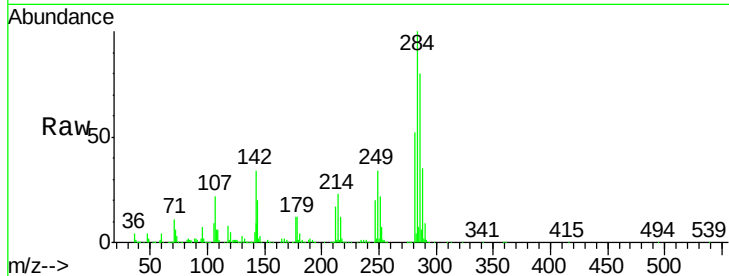




#67  
Hexachlorobenzene  
Concen: 37.31 ng  
RT: 16.85 min Scan# 2385  
Delta R.T. 0.00 min  
Lab File: BG023389.D  
Acq: 1 Aug 2016 18:37

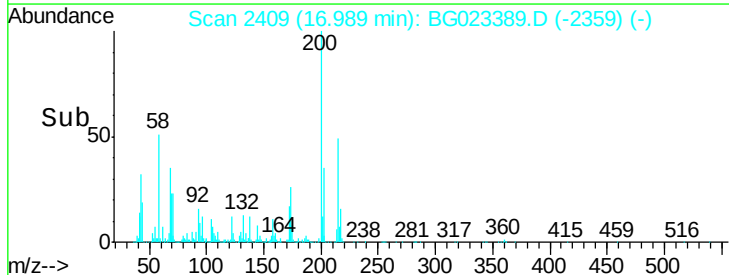
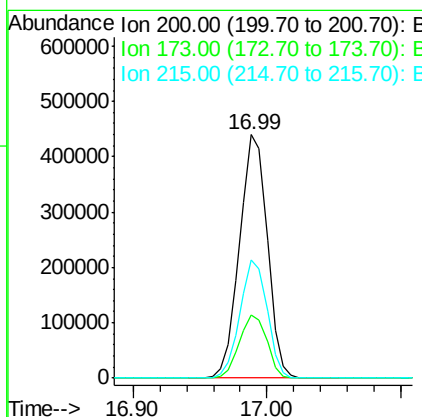
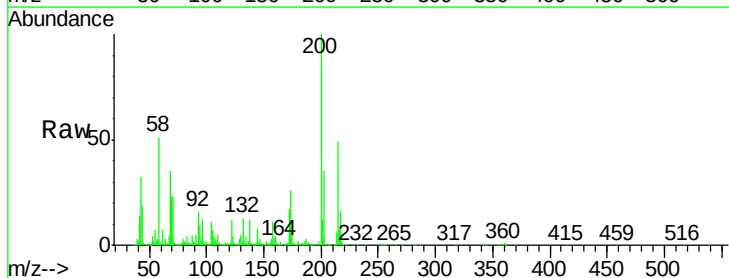
Instrument :  
BNA\_G  
ClientSampleId :

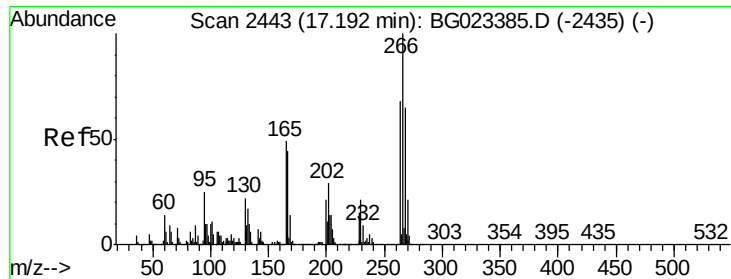
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 33.6  | 26.8  | 40.2  |
| 249     | 33.6  | 28.9  | 43.3  |



#68  
Atrazine  
Concen: 41.01 ng  
RT: 16.99 min Scan# 2409  
Delta R.T. -0.00 min  
Lab File: BG023389.D  
Acq: 1 Aug 2016 18:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 25.9  | 1.6   | 41.6  |
| 215     | 48.6  | 28.7  | 68.7  |





#69

Pentachlorophenol

Concen: 40.56 ng

RT: 17.19 min Scan# 2444

Delta R.T. 0.00 min

Lab File: BG023389.D

Acq: 1 Aug 2016 18:37

Instrument :

BNA\_G

ClientSampleId :

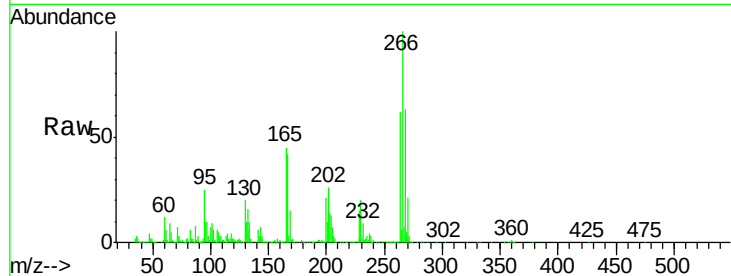
Tot Ion:266 Resp: 411817

Ion Ratio Lower Upper

266 100

268 62.8 51.9 77.9

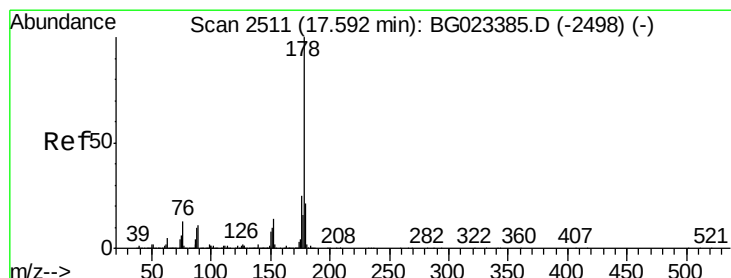
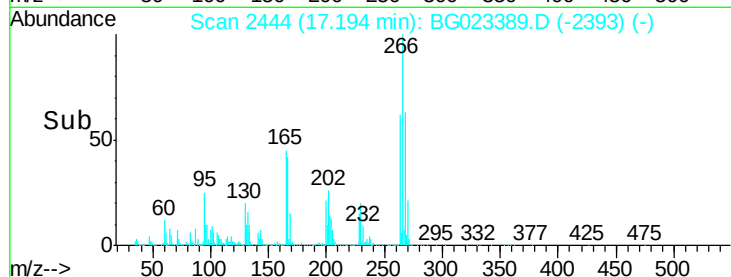
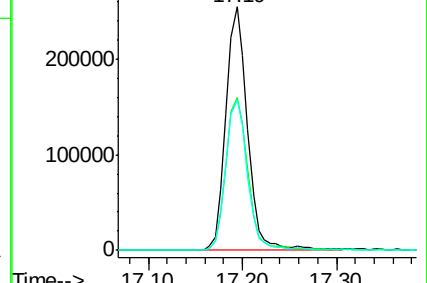
264 61.7 50.6 75.8



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: 36.09 ng

RT: 17.59 min Scan# 2511

Delta R.T. -0.00 min

Lab File: BG023389.D

Acq: 1 Aug 2016 18:37

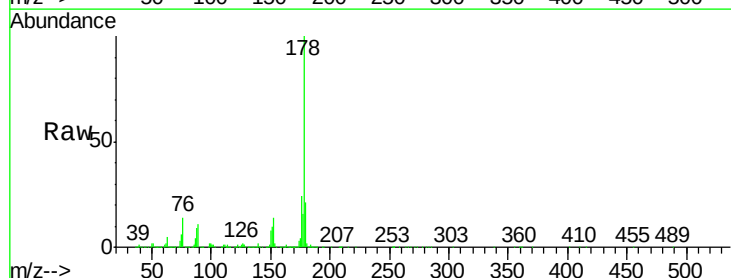
Tgt Ion:178 Resp: 2501380

Ion Ratio Lower Upper

178 100

176 24.5 16.8 25.2

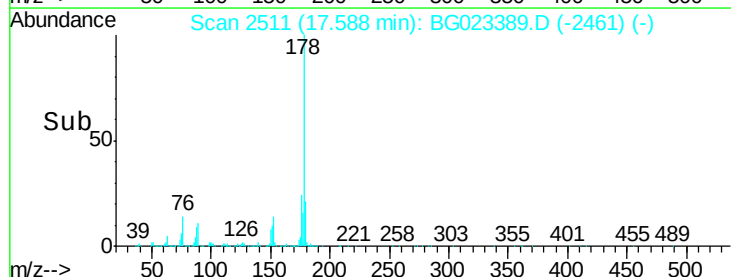
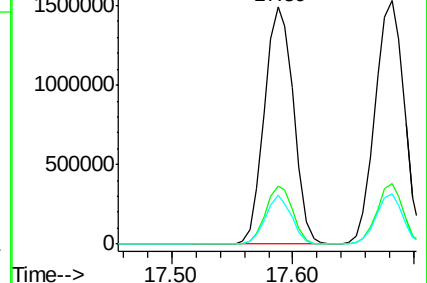
179 20.6 14.3 21.5

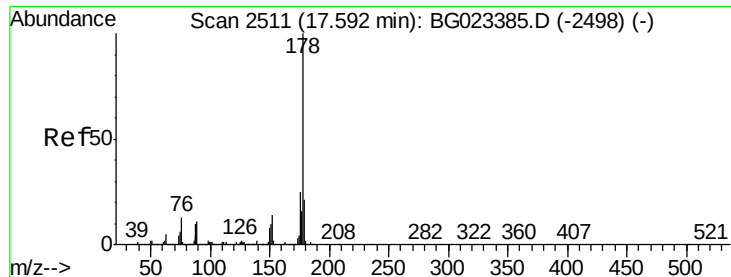


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 36.74 ng

RT: 17.68 min Scan# 2527

Delta R.T. 0.00 min

Lab File: BG023389.D

Acq: 1 Aug 2016 18:37

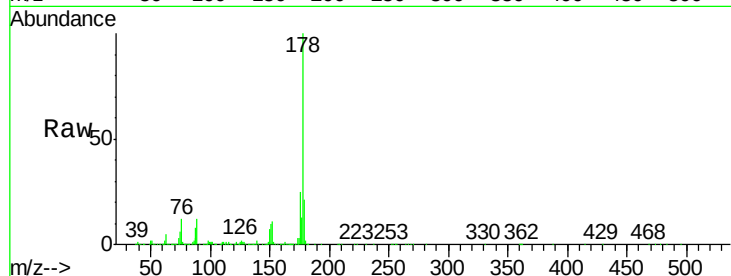
Instrument :

BNA\_G

ClientSampleId :

Tot Ion:178 Resp: 2561192

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 176 | 25.0  | 17.3  | 25.9  |
| 179 | 20.7  | 14.0  | 21.0  |

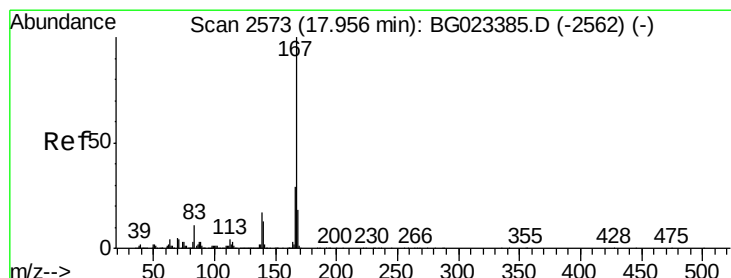
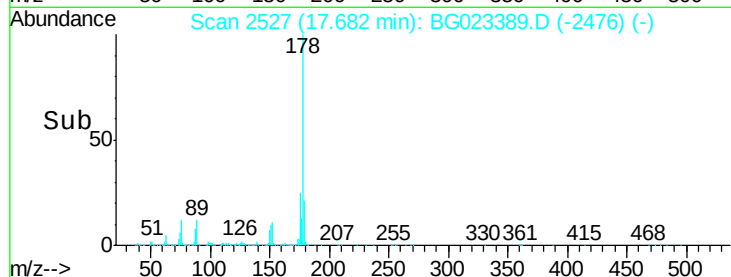
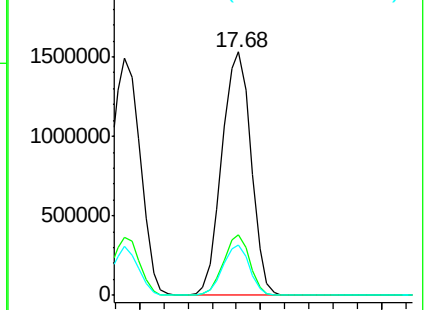


Abundance

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: 38.98 ng

RT: 17.96 min Scan# 2574

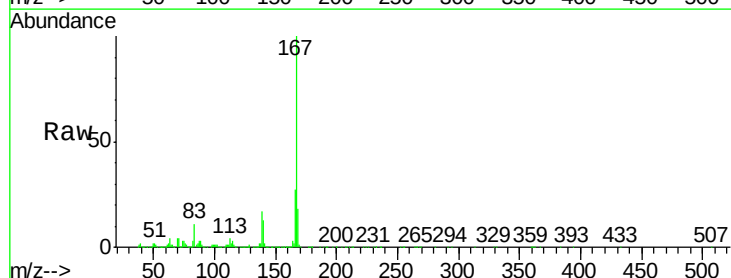
Delta R.T. 0.00 min

Lab File: BG023389.D

Acq: 1 Aug 2016 18:37

Tgt Ion:167 Resp: 2385920

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 167 | 100   |       |       |
| 166 | 26.8  | 20.7  | 31.1  |
| 139 | 17.0  | 11.9  | 17.9  |

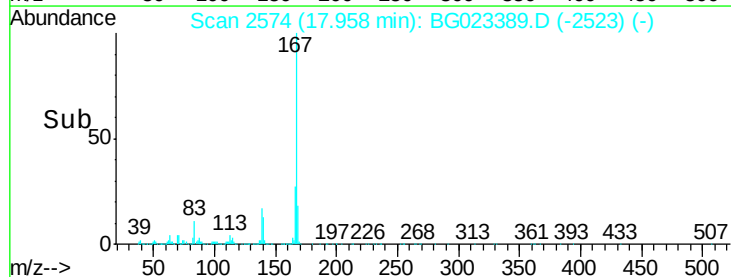
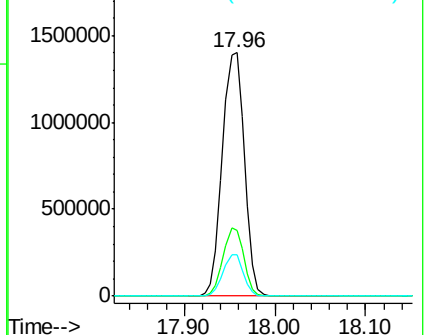


Abundance

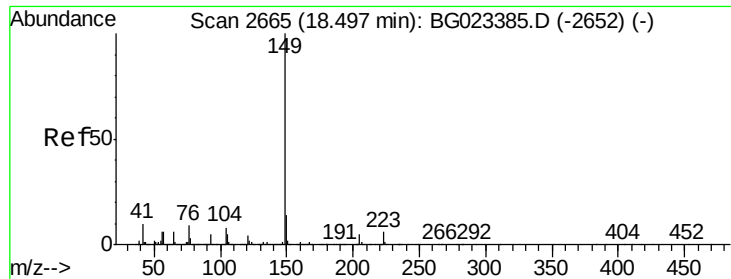
Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E







#73

Di-n-butylphthalate

Concen: 44.15 ng

RT: 18.49 min Scan# 2665

Delta R.T. -0.00 min

Lab File: BG023389.D

Acq: 1 Aug 2016 18:37

Instrument :

BNA\_G

ClientSampled :

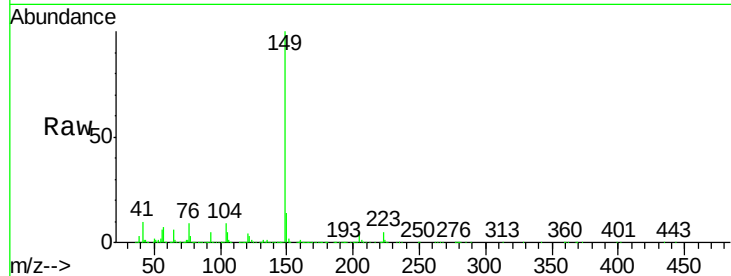
Tot Ion:149 Resp: 2749929

Ion Ratio Lower Upper

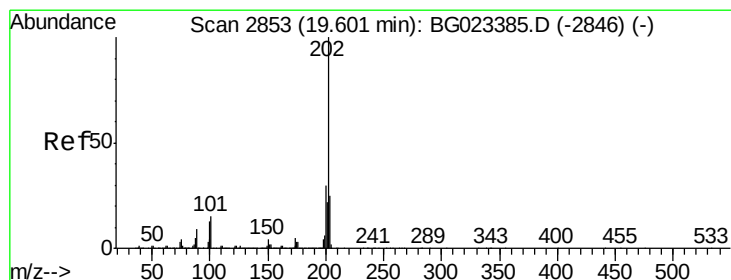
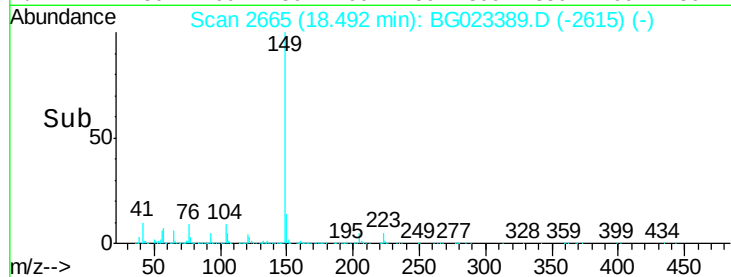
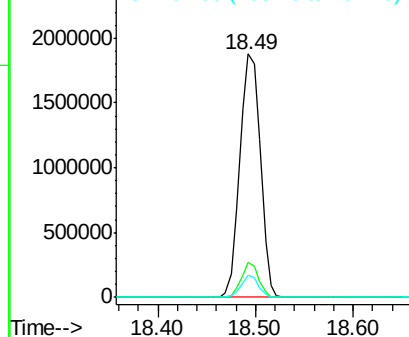
149 100

150 14.2 9.1 13.7#

104 8.9 6.9 10.3



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: 44.21 ng

RT: 19.60 min Scan# 2853

Delta R.T. -0.00 min

Lab File: BG023389.D

Acq: 1 Aug 2016 18:37

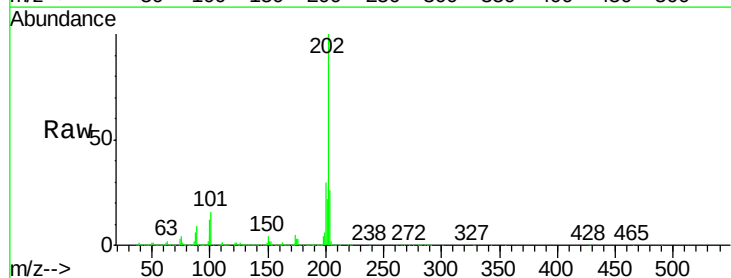
Tgt Ion:202 Resp: 2891113

Ion Ratio Lower Upper

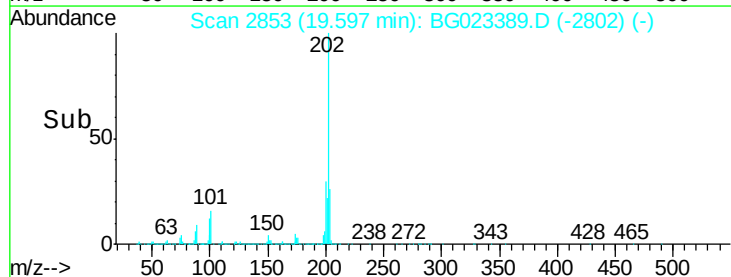
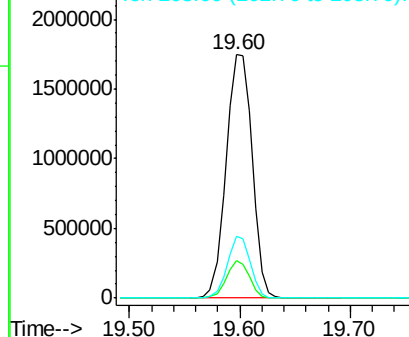
202 100

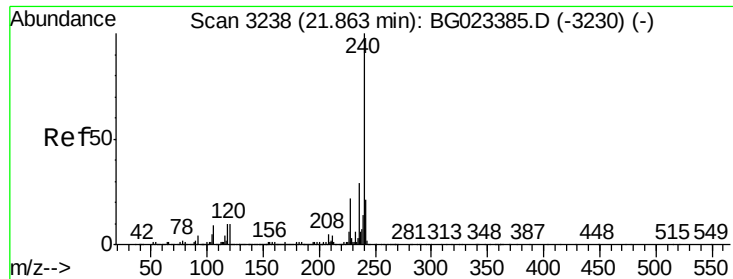
101 15.6 0.0 27.4

203 25.5 1.7 41.7



Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 101.00 (100.70 to 101.70): E  
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.86 min Scan# 3238

Delta R.T. -0.00 min

Lab File: BG023389.D

Acq: 1 Aug 2016 18:37

Instrument :

BNA\_G

ClientSampleId :

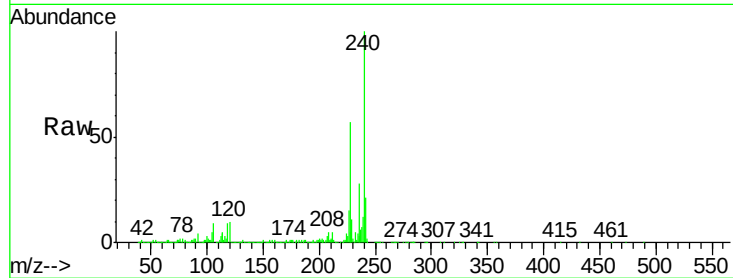
Tot Ion:240 Resp: 1194229

Ion Ratio Lower Upper

240 100

120 9.8 4.1 6.1#

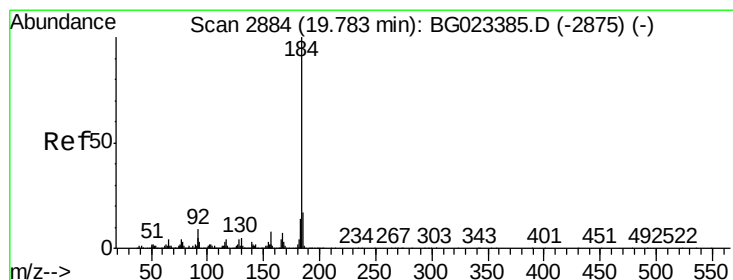
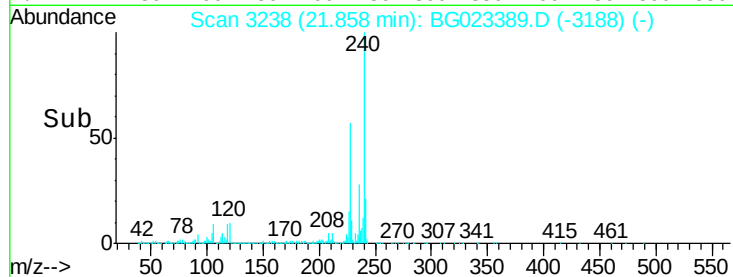
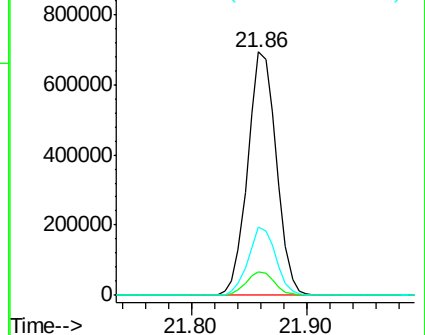
236 28.1 21.1 31.7



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: 42.40 ng

RT: 19.78 min Scan# 2884

Delta R.T. -0.00 min

Lab File: BG023389.D

Acq: 1 Aug 2016 18:37

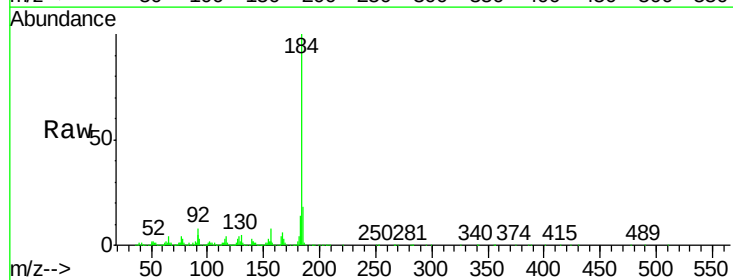
Tgt Ion:184 Resp: 1407461

Ion Ratio Lower Upper

184 100

185 18.0 12.6 19.0

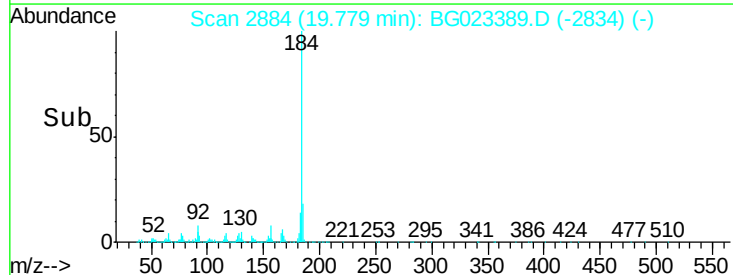
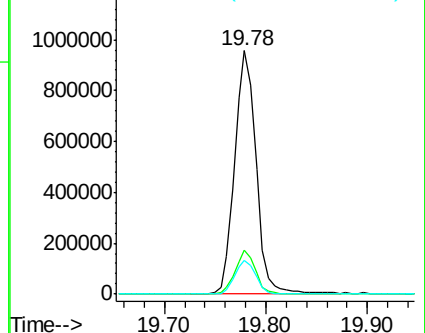
183 13.7 10.7 16.1

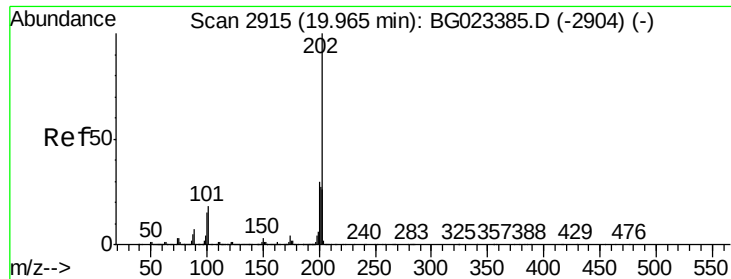


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 42.15 ng

RT: 19.96 min Scan# 2915

Delta R.T. -0.00 min

Lab File: BG023389.D

Acq: 1 Aug 2016 18:37

Instrument :

BNA\_G

ClientSampleId :

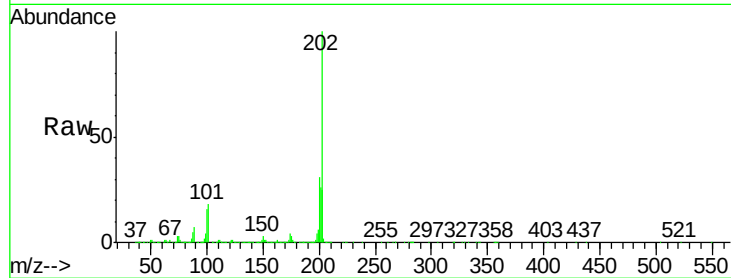
Tot Ion:202 Resp: 2888317

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 200 | 31.2  | 21.2  | 31.8  |
| 203 | 25.4  | 16.8  | 25.2  |

202 100

200 31.2 21.2 31.8

203 25.4 16.8 25.2#

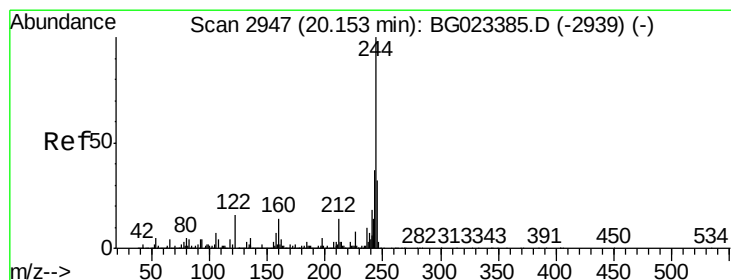
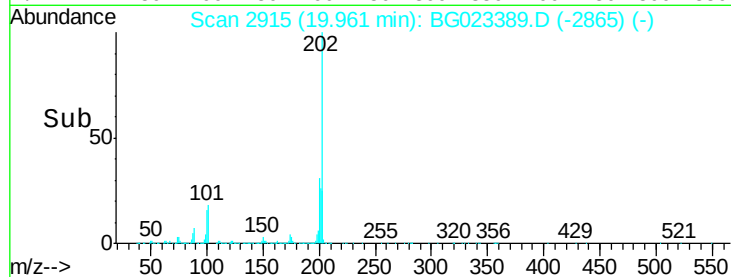
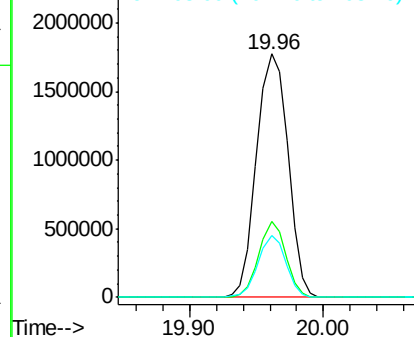


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 84.01 ng

RT: 20.15 min Scan# 2948

Delta R.T. 0.00 min

Lab File: BG023389.D

Acq: 1 Aug 2016 18:37

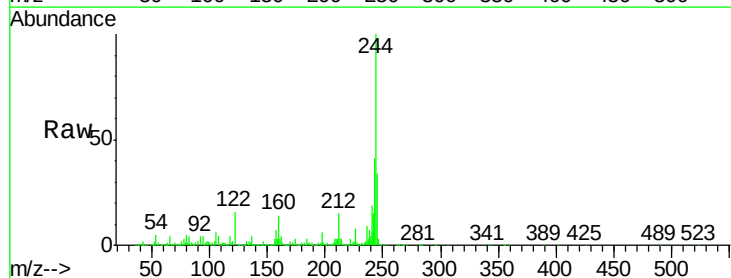
Tgt Ion:244 Resp: 3214463

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 14.8  | 10.8  | 16.2  |
| 122 | 15.9  | 8.0   | 12.0  |

244 100

212 14.8 10.8 16.2

122 15.9 8.0 12.0#

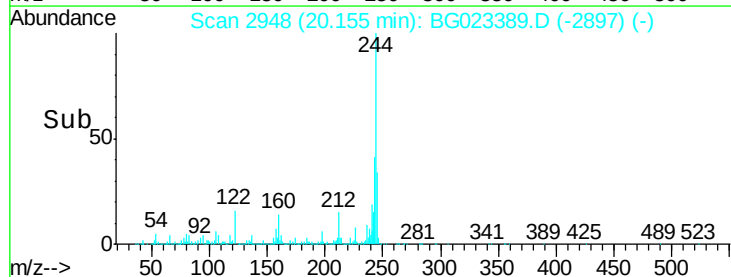
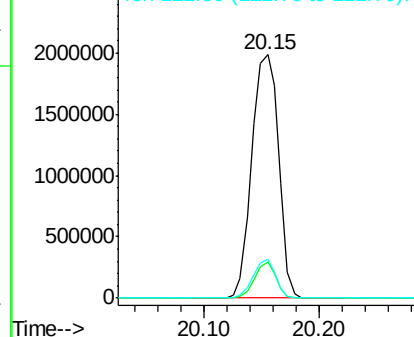


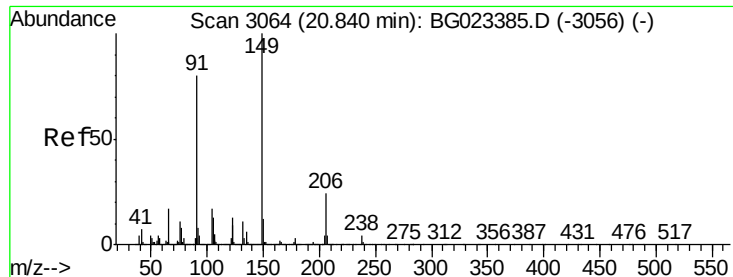
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 42.02 ng

RT: 20.84 min Scan# 3064

Delta R.T. -0.00 min

Lab File: BG023389.D

Acq: 1 Aug 2016 18:37

Instrument :

BNA\_G

ClientSampled :

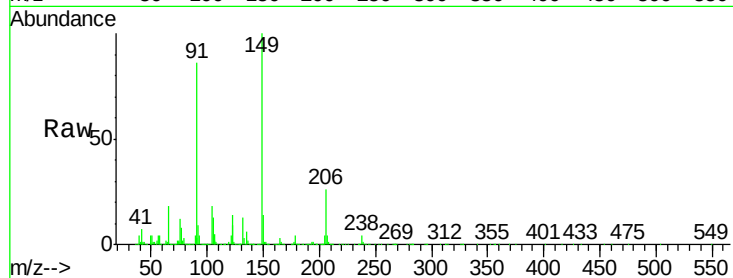
Tot Ion:149 Resp: 1208394

Ion Ratio Lower Upper

149 100

91 85.5 68.1 102.1

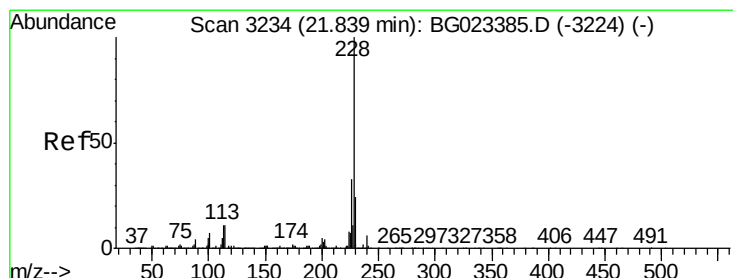
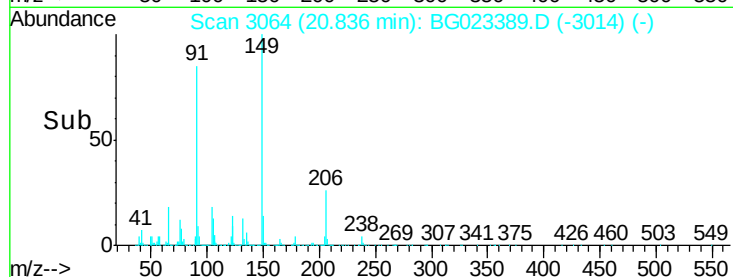
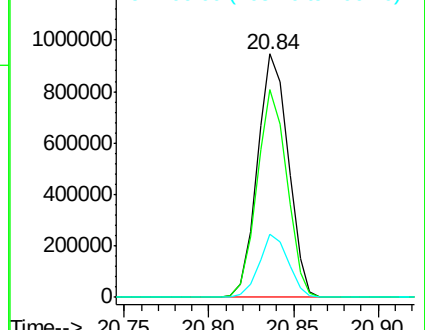
206 26.1 19.8 29.6



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: 37.11 ng

RT: 21.84 min Scan# 3235

Delta R.T. 0.00 min

Lab File: BG023389.D

Acq: 1 Aug 2016 18:37

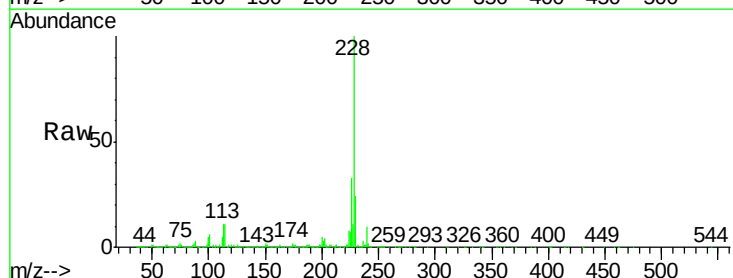
Tgt Ion:228 Resp: 2446224

Ion Ratio Lower Upper

228 100

226 33.2 25.3 37.9

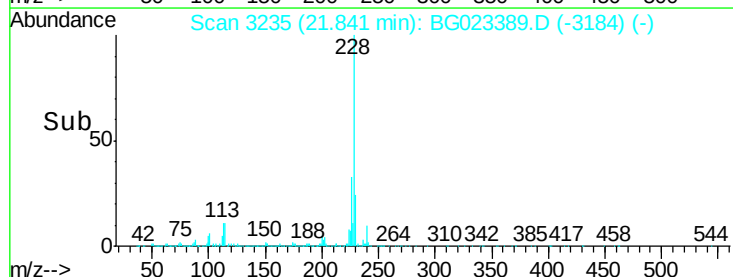
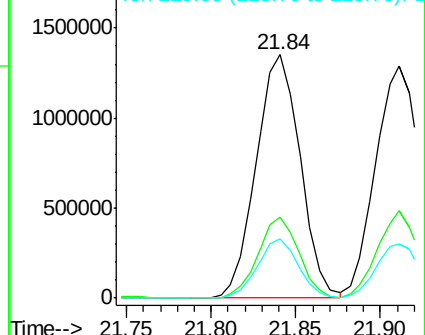
229 24.5 19.9 29.9

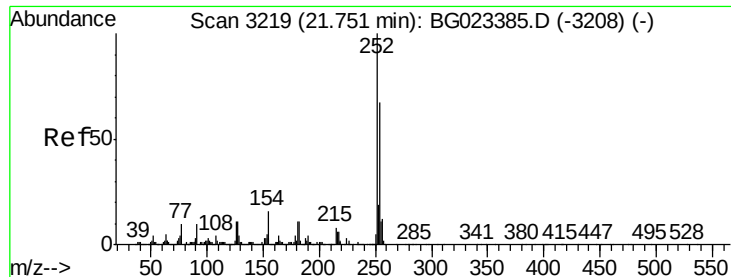


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

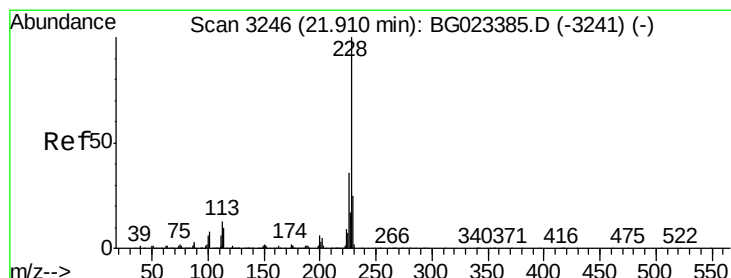
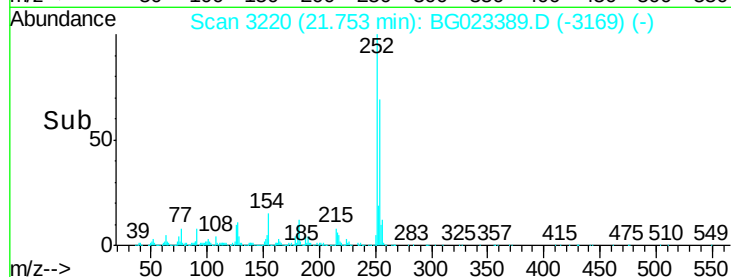
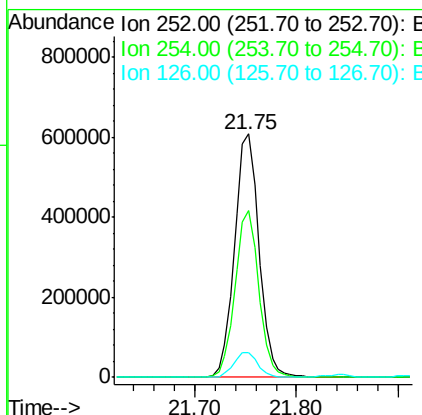
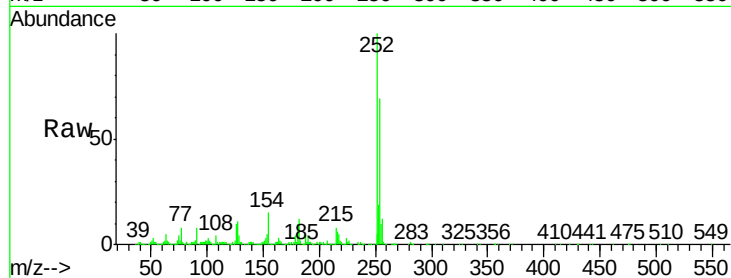




#81  
 3,3'-Dichlorobenzidine  
 Concen: 37.83 ng  
 RT: 21.75 min Scan# 3220  
 Delta R.T. 0.00 min  
 Lab File: BG023389.D  
 Acq: 1 Aug 2016 18:37

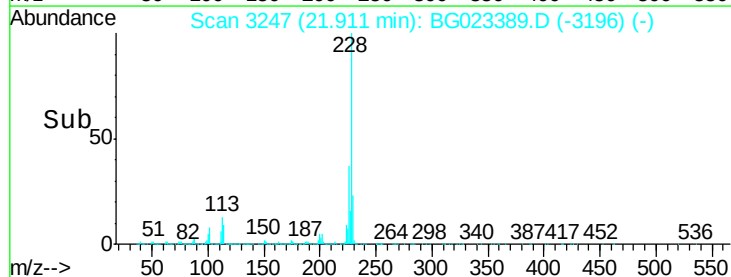
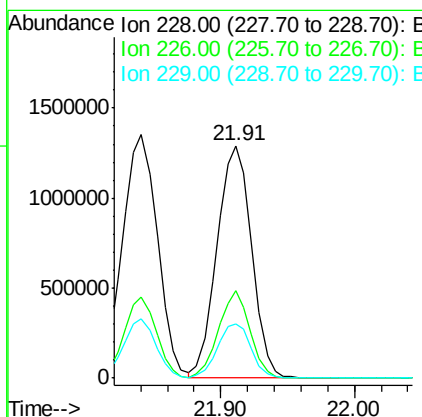
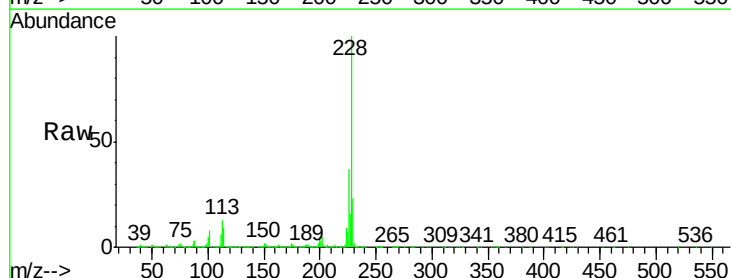
Instrument :  
 BNA\_G  
 ClientSampleId :

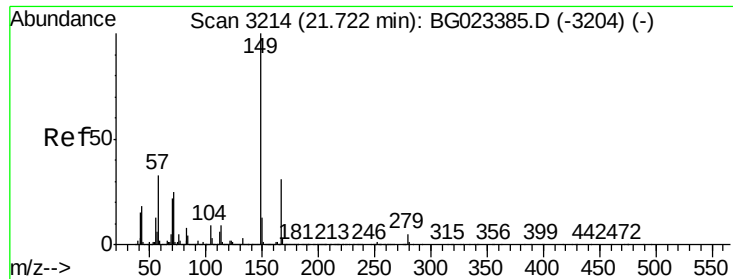
Tot Ion:252 Resp: 1022843  
 Ion Ratio Lower Upper  
 252 100  
 254 68.5 51.2 76.8  
 126 9.9 5.3 7.9#



#82  
 Chrysene  
 Concen: 37.33 ng  
 RT: 21.91 min Scan# 3247  
 Delta R.T. 0.00 min  
 Lab File: BG023389.D  
 Acq: 1 Aug 2016 18:37

Tgt Ion:228 Resp: 2341426  
 Ion Ratio Lower Upper  
 228 100  
 226 37.4 26.7 40.1  
 229 23.1 17.4 26.2

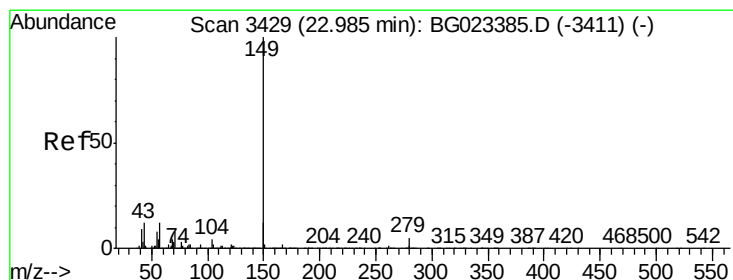
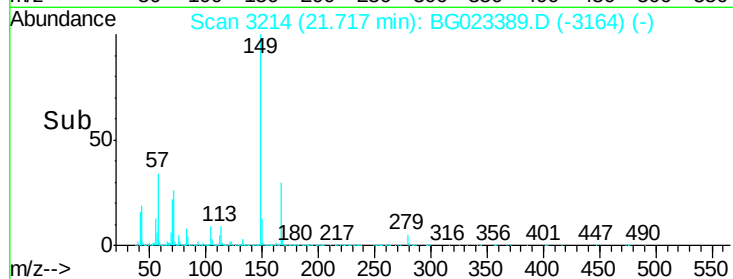
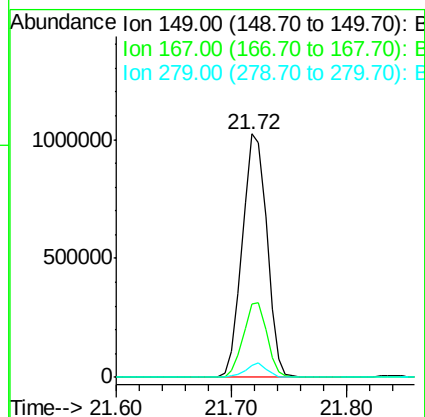
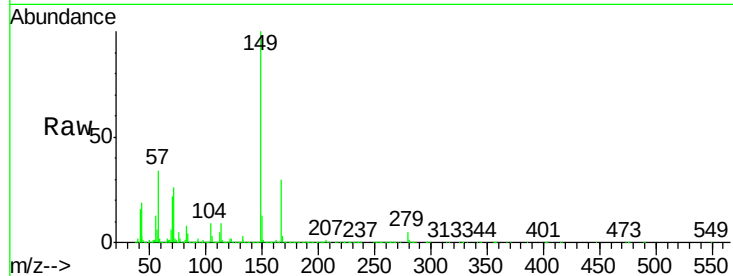




#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 38.42 ng  
 RT: 21.72 min Scan# 3214  
 Delta R.T. -0.00 min  
 Lab File: BG023389.D  
 Acq: 1 Aug 2016 18:37

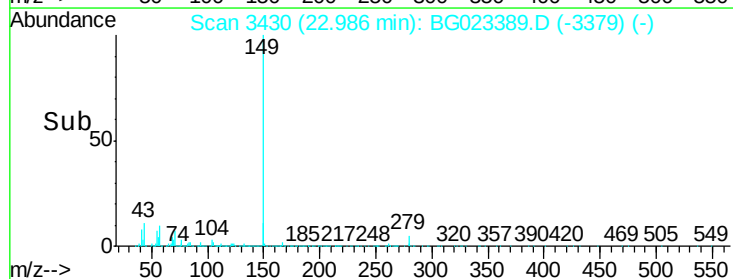
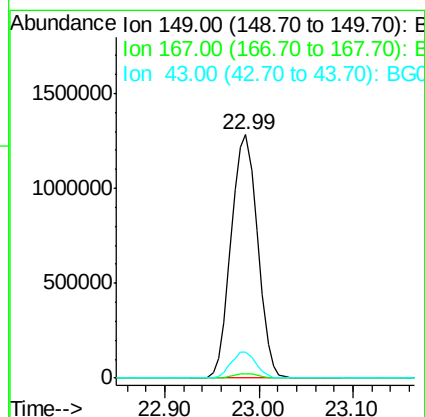
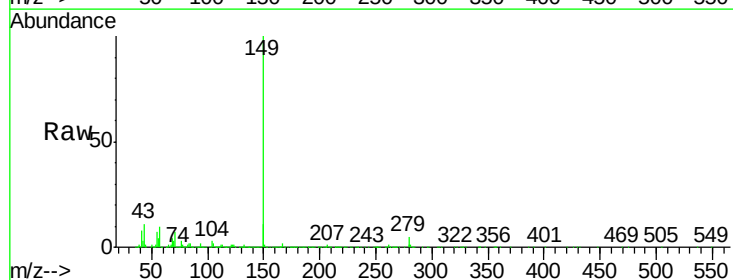
Instrument :  
 BNA\_G  
 ClientSampled :

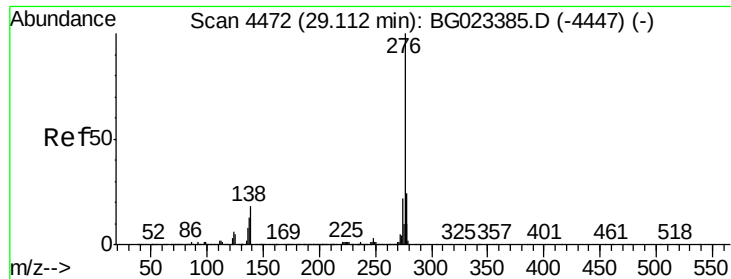
Tot Ion:149 Resp: 1513103  
 Ion Ratio Lower Upper  
 149 100  
 167 30.0 24.0 36.0  
 279 4.7 4.8 7.2#



#84  
 Di-n-octyl phthalate  
 Concen: 37.30 ng  
 RT: 22.99 min Scan# 3430  
 Delta R.T. 0.00 min  
 Lab File: BG023389.D  
 Acq: 1 Aug 2016 18:37

Tgt Ion:149 Resp: 2506638  
 Ion Ratio Lower Upper  
 149 100  
 167 1.8 1.5 2.3  
 43 10.2 8.8 13.2





#85

Indeno(1,2,3-cd)pyrene

Concen: 39.05 ng

RT: 29.11 min Scan# 4472

Delta R.T. -0.00 min

Lab File: BG023389.D

Acq: 1 Aug 2016 18:37

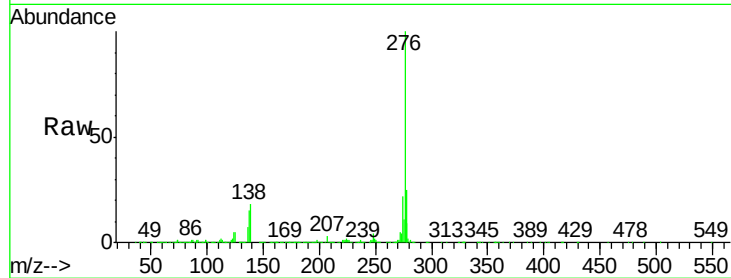
Instrument :

BNA\_G

ClientSampleId :

Tot Ion:276 Resp: 3060007

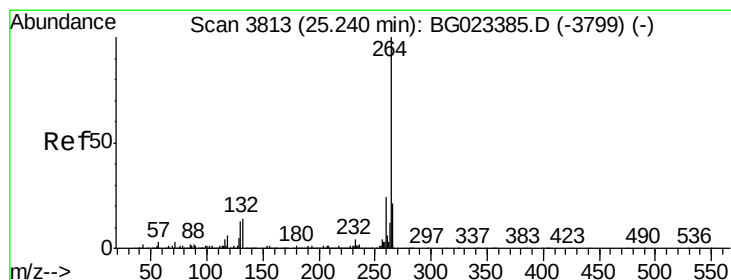
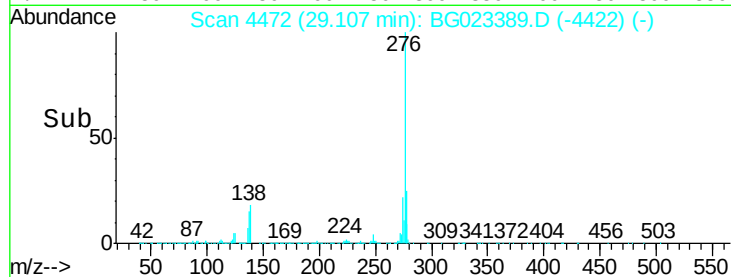
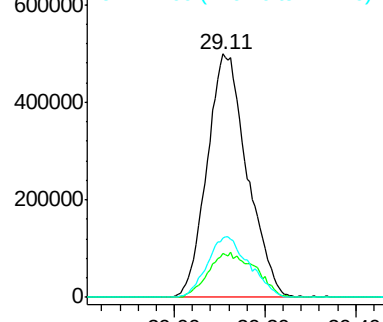
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 138 | 21.6  | 0.0   | 0.0#  |
| 277 | 25.9  | 0.0   | 0.0#  |



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 25.24 min Scan# 3814

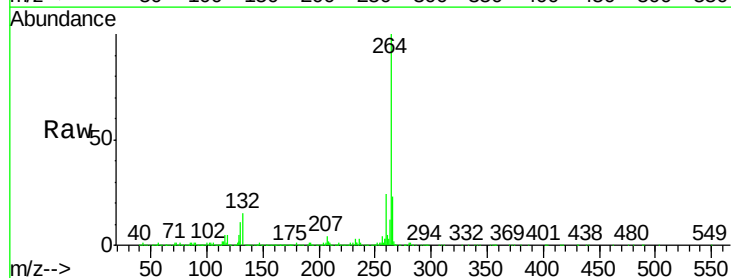
Delta R.T. 0.00 min

Lab File: BG023389.D

Acq: 1 Aug 2016 18:37

Tgt Ion:264 Resp: 1183877

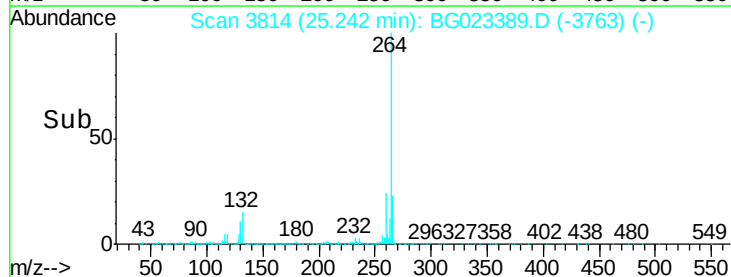
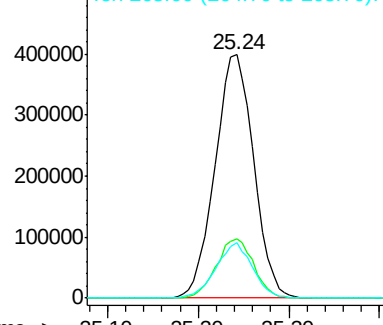
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.2  | 18.4  | 27.6  |
| 265 | 22.7  | 18.9  | 28.3  |

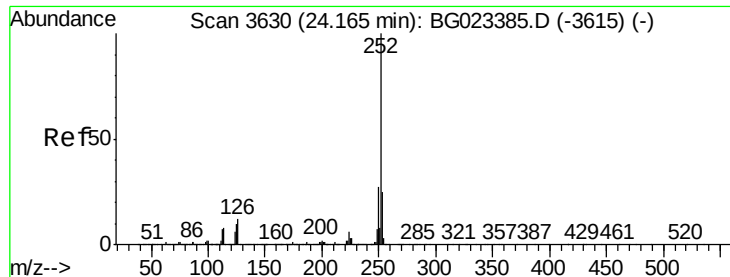


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 37.77 ng

RT: 24.16 min Scan# 3630

Delta R.T. -0.00 min

Lab File: BG023389.D

Acq: 1 Aug 2016 18:37

Instrument :

BNA\_G

ClientSampleId :

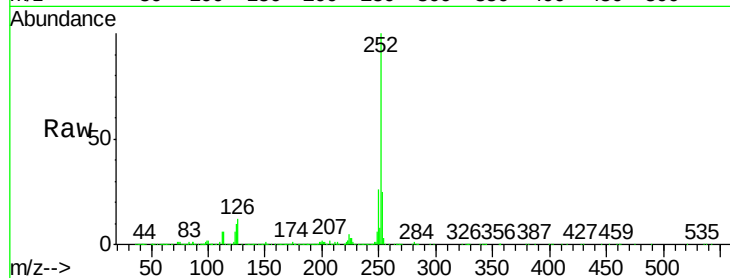
Tot Ion:252 Resp: 2516096

Ion Ratio Lower Upper

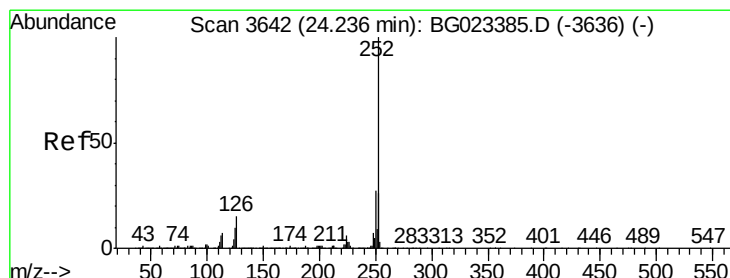
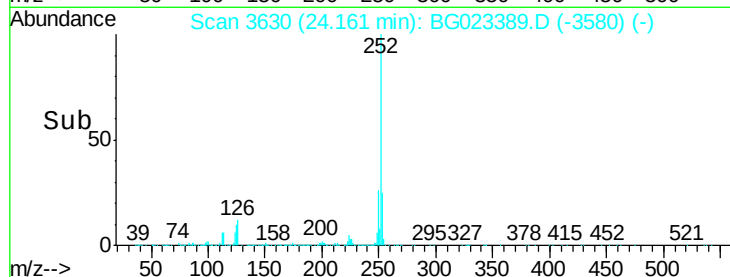
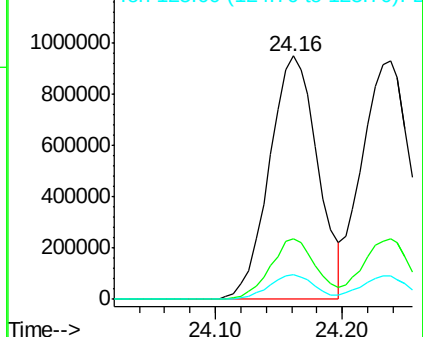
252 100

253 24.9 18.9 28.3

125 10.3 3.9 5.9#



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



#88

Benzo(k)fluoranthene

Concen: 38.36 ng

RT: 24.24 min Scan# 3643

Delta R.T. 0.00 min

Lab File: BG023389.D

Acq: 1 Aug 2016 18:37

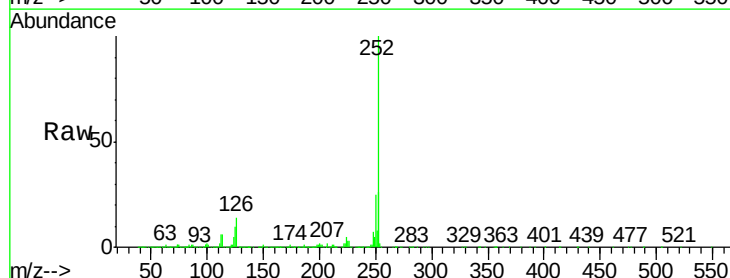
Tgt Ion:252 Resp: 2454481

Ion Ratio Lower Upper

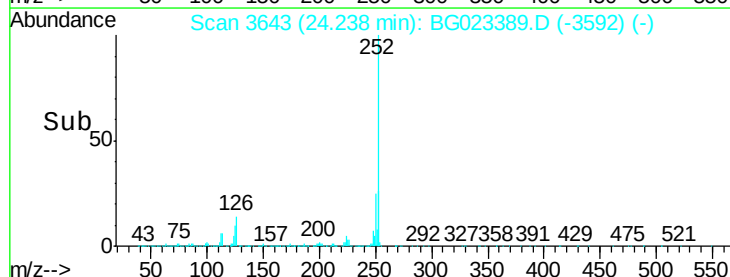
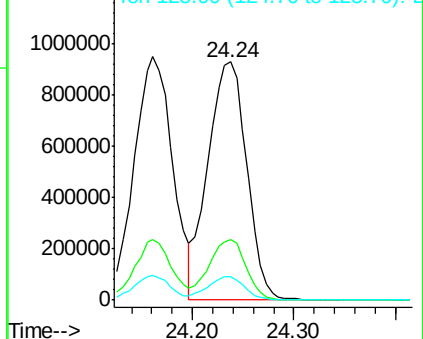
252 100

253 25.5 18.8 28.2

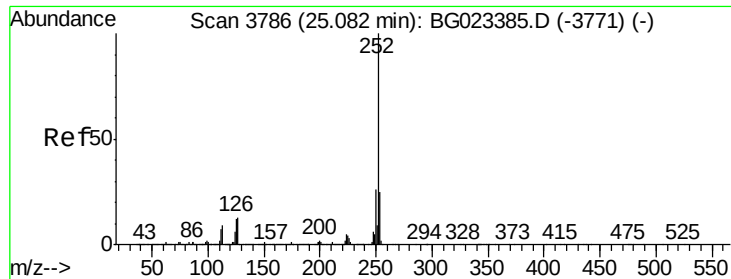
125 9.8 3.2 4.8#



Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E







#89

Benzo(a)pyrene

Concen: 38.50 ng

RT: 25.08 min Scan# 3786

Delta R.T. -0.00 min

Lab File: BG023389.D

Acq: 1 Aug 2016 18:37

Instrument :

BNA\_G

ClientSampleId :

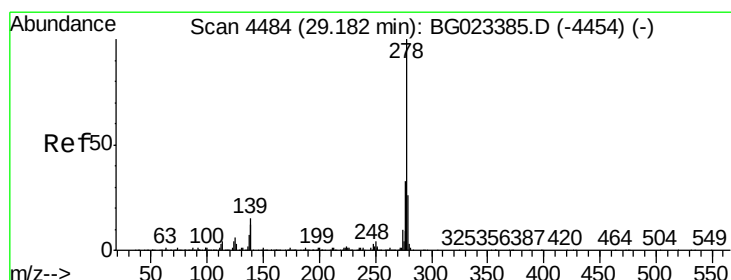
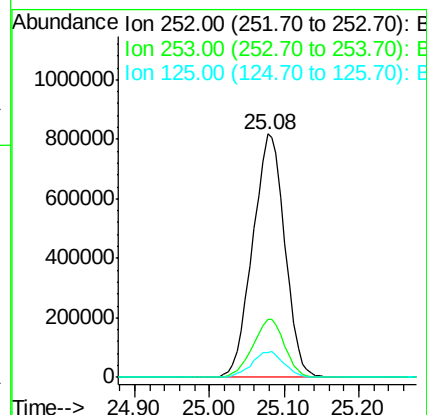
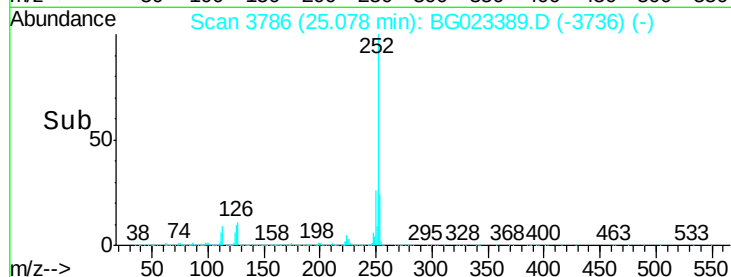
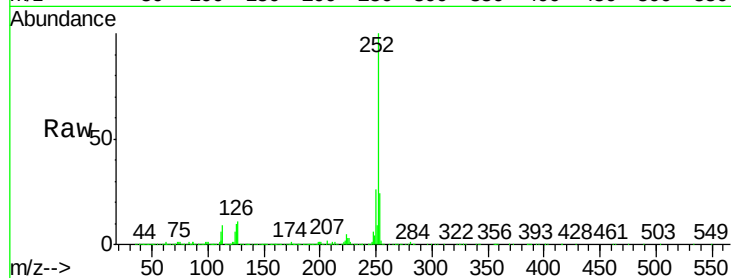
Tot Ion:252 Resp: 2438833

Ion Ratio Lower Upper

252 100

253 23.6 18.7 28.1

125 10.0 3.9 5.9#



#90

Dibenzo(a,h)anthracene

Concen: 38.57 ng

RT: 29.18 min Scan# 4484

Delta R.T. -0.00 min

Lab File: BG023389.D

Acq: 1 Aug 2016 18:37

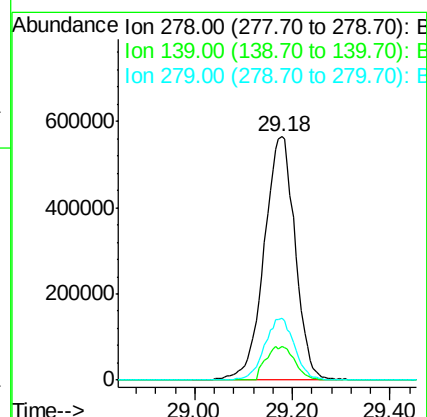
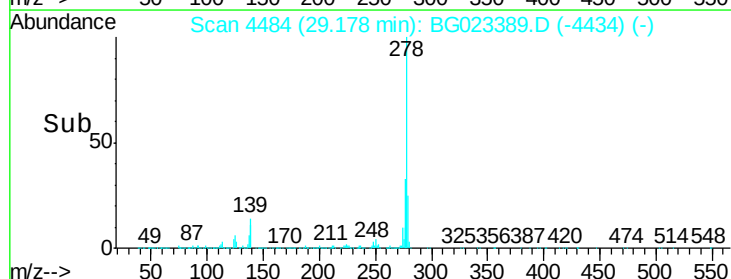
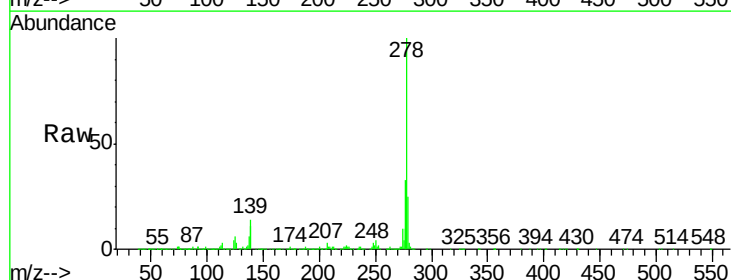
Tgt Ion:278 Resp: 2496294

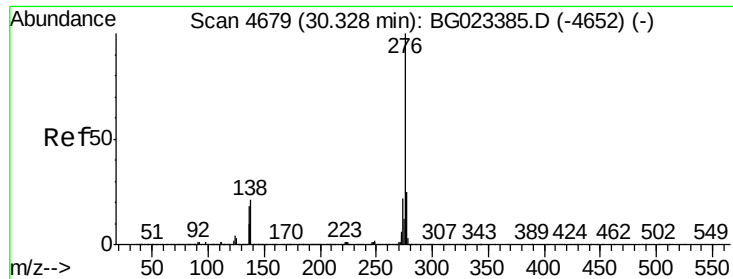
Ion Ratio Lower Upper

278 100

139 13.7 4.7 7.1#

279 25.3 18.3 27.5





#91  
 Benzo(a,h,i)perylene  
 Concen: 38.38 ng  
 RT: 30.32 min Scan# 4679  
 Delta R.T. -0.00 min  
 Lab File: BG023389.D  
 Acq: 1 Aug 2016 18:37

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:276 Resp: 2500813  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 277 | 25.5  | 18.6  | 27.8  |
| 138 | 19.1  | 6.8   | 10.2  |

