

Data Path : Z:\HPCHEM1\BNA G\DATA\BG100317\  
 Data File : BG029006.D  
 Acq On : 3 Oct 2017 15:27  
 Operator : SJ/JU  
 Sample : I5275-05  
 Misc : LOD 2 PPM  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Oct 04 05:16:13 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 12 16:57:11 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.24  | 152  | 33838    | 20.00 | ng    | -0.09    |
| 21) Naphthalene-d8        | 11.06 | 136  | 140803   | 20.00 | ng    | -0.09    |
| 38) Acenaphthene-d10      | 14.87 | 164  | 102923   | 20.00 | ng    | -0.08    |
| 63) Phenanthrene-d10      | 17.62 | 188  | 259891   | 20.00 | ng    | -0.08    |
| 75) Chrysene-d12          | 21.92 | 240  | 285949   | 20.00 | ng    | -0.11    |
| 86) Perylene-d12          | 25.34 | 264  | 276756   | 20.00 | ng    | -0.19    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.81  | 112  | 345571   | 168.51 | ng    | -0.10    |
| 7) Phenol-d6                | 7.40  | 99   | 463806   | 150.21 | ng    | -0.09    |
| 23) Nitrobenzene-d5         | 9.41  | 82   | 252672   | 85.84  | ng    | -0.10    |
| 41) 2,4,6-Tribromophenol    | 16.36 | 330  | 287390   | 168.83 | ng    | -0.08    |
| 44) 2-Fluorobiphenyl        | 13.48 | 172  | 663222   | 85.92  | ng    | -0.08    |
| 78) Terphenyl-d14           | 20.20 | 244  | 1114421  | 83.11  | ng    | -0.08    |

| Target Compounds               | R.T.  | QIon | Response | Conc | Units | Qvalue |
|--------------------------------|-------|------|----------|------|-------|--------|
| 3) Pyridine                    | 4.13  | 79   | 11718    | 4.95 | ng    | 86     |
| 4) n-Nitrosodimethylamine      | 4.04  | 42   | 6001     | 5.57 | ng    | # 71   |
| 6) Aniline                     | 7.57  | 93   | 18782    | 5.23 | ng    | # 93   |
| 8) 2-Chlorophenol              | 7.80  | 128  | 12343    | 5.40 | ng    | 95     |
| 9) Benzaldehyde                | 7.39  | 77   | 8287     | 4.33 | ng    | 90     |
| 10) Phenol                     | 7.42  | 94   | 15710    | 4.82 | ng    | # 75   |
| 11) bis(2-Chloroethyl)ether    | 7.65  | 93   | 12311    | 5.26 | ng    | 88     |
| 12) 1,3-Dichlorobenzene        | 8.13  | 146  | 13172    | 5.35 | ng    | # 88   |
| 13) 1,4-Dichlorobenzene        | 8.28  | 146  | 13271    | 5.24 | ng    | 92     |
| 14) 1,2-Dichlorobenzene        | 8.60  | 146  | 13589    | 5.43 | ng    | 94     |
| 15) Benzyl Alcohol             | 8.48  | 79   | 11275    | 4.68 | ng    | 90     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.76  | 45   | 22758    | 5.35 | ng    | 93     |
| 17) 2-Methylphenol             | 8.68  | 107  | 9678     | 4.55 | ng    | 89     |
| 18) Hexachloroethane           | 9.32  | 117  | 5005     | 5.39 | ng    | # 84   |
| 19) n-Nitroso-di-n-propylamine | 9.03  | 70   | 10842    | 4.95 | ng    | # 97   |
| 20) 3+4-Methylphenols          | 9.03  | 107  | 12920    | 4.34 | ng    | 85     |
| 22) Acetophenone               | 9.07  | 105  | 21464    | 5.21 | ng    | # 90   |
| 24) Nitrobenzene               | 9.45  | 77   | 17367    | 5.33 | ng    | # 89   |
| 25) Isophorone                 | 9.97  | 82   | 29950    | 5.03 | ng    | 98     |
| 26) 2-Nitrophenol              | 10.18 | 139  | 6336     | 4.57 | ng    | # 90   |
| 27) 2,4-Dimethylphenol         | 10.22 | 122  | 11196    | 4.42 | ng    | # 87   |
| 28) bis(2-Chloroethoxy)methane | 10.45 | 93   | 16218    | 5.01 | ng    | 94     |
| 29) 2,4-Dichlorophenol         | 10.73 | 162  | 11909    | 4.72 | ng    | 93     |
| 30) 1,2,4-Trichlorobenzene     | 10.92 | 180  | 15023    | 5.22 | ng    | # 87   |
| 31) Naphthalene                | 11.11 | 128  | 39804    | 5.41 | ng    | # 92   |
| 32) Benzoic acid               | 10.36 | 122  | 1221     | 6.68 | ng    | # 49   |
| 33) 4-Chloroaniline            | 11.23 | 127  | 15487    | 5.03 | ng    | # 83   |
| 34) Hexachlorobutadiene        | 11.38 | 225  | 10819    | 5.10 | ng    | 97     |
| 35) Caprolactam                | 11.99 | 113  | 4318     | 4.77 | ng    | # 81   |
| 36) 4-Chloro-3-methylphenol    | 12.34 | 107  | 14664    | 4.47 | ng    | # 93   |
| 37) 2-Methylnaphthalene        | 12.70 | 142  | 27035    | 4.92 | ng    | 98     |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.07 | 216  | 21587    | 5.10 | ng    | # 94   |
| 40) Hexachlorocyclopentadiene  | 13.04 | 237  | 1254     | 8.29 | ng    | 83     |
| 42) 2,4,6-Trichlorophenol      | 13.31 | 196  | 12507    | 4.66 | ng    | # 80   |

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 Misc : LOD 2 PPM  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Oct 04 05:16:13 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 12 16:57:11 2017  
 Response via : Initial Calibration

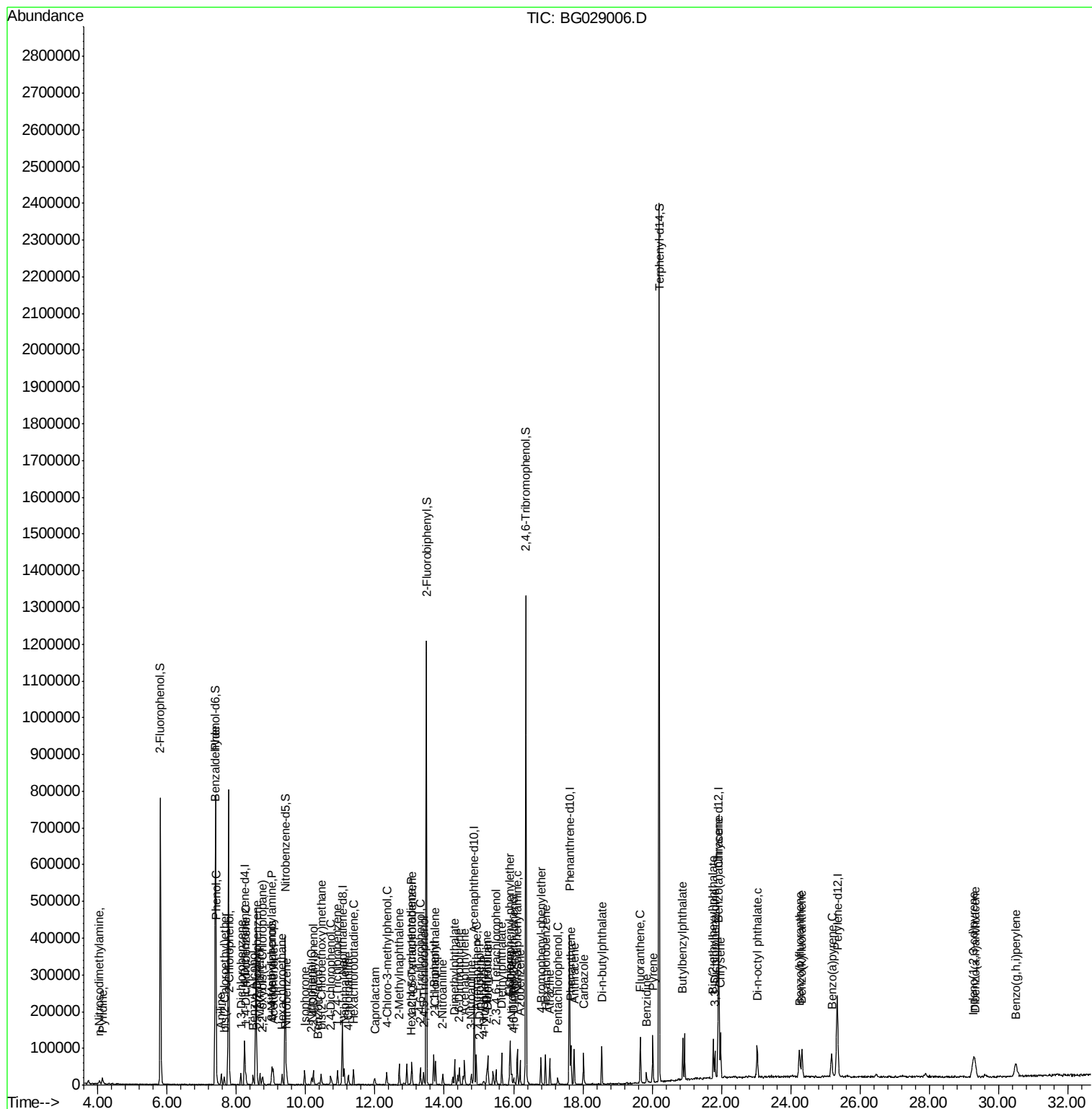
| Internal Standards             | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|-------|------|----------|------|-------|----------|
| 43) 2,4,5-Trichlorophenol      | 13.40 | 196  | 12848    | 4.76 | nq    | # 80     |
| 45) 1,1'-Biphenyl              | 13.70 | 154  | 44348    | 5.20 | nq    | 97       |
| 46) 2-Chloronaphthalene        | 13.74 | 162  | 31251    | 5.03 | nq    | 95       |
| 47) 2-Nitroaniline             | 13.95 | 65   | 11609    | 5.03 | nq    | 93       |
| 48) Acenaphthylene             | 14.58 | 152  | 51229    | 5.16 | nq    | 98       |
| 49) Dimethylphthalate          | 14.30 | 163  | 44499    | 5.16 | nq    | 96       |
| 50) 2,6-Dinitrotoluene         | 14.44 | 165  | 9018     | 4.70 | nq    | 92       |
| 51) Acenaphthene               | 14.92 | 154  | 31162    | 5.17 | nq    | 97       |
| 52) 3-Nitroaniline             | 14.78 | 138  | 8737     | 5.14 | nq    | # 84     |
| 53) 2,4-Dinitrophenol          | 15.03 | 184  | 312      | 8.28 | nq    | # 74     |
| 54) Dibenzofuran               | 15.26 | 168  | 47385    | 4.93 | nq    | 96       |
| 55) 4-Nitrophenol              | 15.14 | 139  | 3356     | 2.70 | nq    | # 90     |
| 56) 2,4-Dinitrotoluene         | 15.24 | 165  | 13437    | 4.98 | nq    | # 77     |
| 57) Fluorene                   | 15.91 | 166  | 43568    | 5.07 | nq    | 96       |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.49 | 232  | 10619    | 4.46 | nq    | # 98     |
| 59) Diethylphthalate           | 15.66 | 149  | 46476    | 5.24 | nq    | 98       |
| 60) 4-Chlorophenyl-phenylether | 15.89 | 204  | 24113    | 4.93 | nq    | # 92     |
| 61) 4-Nitroaniline             | 15.95 | 138  | 6598     | 3.67 | nq    | 96       |
| 62) Azobenzene                 | 16.19 | 77   | 39788    | 5.33 | nq    | 94       |
| 64) 4,6-Dinitro-2-methylphenol | 16.01 | 198  | 5323     | 3.17 | nq    | 87       |
| 65) n-Nitrosodiphenylamine     | 16.11 | 169  | 38934    | 5.23 | nq    | 92       |
| 66) 4-Bromophenyl-phenylether  | 16.79 | 248  | 16524    | 4.94 | nq    | 95       |
| 67) Hexachlorobenzene          | 16.92 | 284  | 19829    | 5.21 | nq    | # 91     |
| 68) Atrazine                   | 17.05 | 200  | 16051    | 5.02 | nq    | 88       |
| 69) Pentachlorophenol          | 17.27 | 266  | 4672     | 2.72 | nq    | 97       |
| 70) Phenanthrene               | 17.66 | 178  | 71543    | 5.38 | nq    | # 91     |
| 71) Anthracene                 | 17.75 | 178  | 68101    | 5.07 | nq    | 95       |
| 72) Carbazole                  | 18.02 | 167  | 61603    | 5.09 | nq    | # 95     |
| 73) Di-n-butylphthalate        | 18.55 | 149  | 76126    | 5.13 | nq    | # 92     |
| 74) Fluoranthene               | 19.66 | 202  | 88448    | 5.45 | nq    | 95       |
| 76) Benzidine                  | 19.84 | 184  | 24008    | 3.24 | nq    | # 95     |
| 77) Pyrene                     | 20.02 | 202  | 89848    | 5.45 | nq    | 94       |
| 79) Butylbenzylphthalate       | 20.88 | 149  | 33629    | 5.05 | nq    | 94       |
| 80) Benzo(a)anthracene         | 21.90 | 228  | 92008    | 5.35 | nq    | 93       |
| 81) 3,3'-Dichlorobenzidine     | 21.81 | 252  | 32853    | 4.71 | nq    | 96       |
| 82) Chrysene                   | 21.97 | 228  | 86353    | 5.29 | nq    | # 93     |
| 83) Bis(2-ethylhexyl)phthalate | 21.76 | 149  | 45027    | 4.75 | nq    | 99       |
| 84) Di-n-octyl phthalate       | 23.03 | 149  | 79122    | 4.78 | nq    | # 93     |
| 85) Indeno(1,2,3-cd)pyrene     | 29.27 | 276  | 94257    | 4.49 | nq    | # 79     |
| 87) Benzo(b)fluoranthene       | 24.25 | 252  | 86797    | 5.23 | nq    | 99       |
| 88) Benzo(k)fluoranthene       | 24.32 | 252  | 82613    | 4.99 | nq    | 97       |
| 89) Benzo(a)pyrene             | 25.18 | 252  | 80487    | 5.11 | nq    | 98       |
| 90) Dibenzo(a,h)anthracene     | 29.32 | 278  | 81784    | 4.98 | nq    | 96       |
| 91) Benzo(g,h,i)perylene       | 30.51 | 276  | 80008    | 5.00 | nq    | # 96     |

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

```
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ALS Vial  : 6 Sample Multiplier: 1
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Instrument :  
BNA\_G  
ClientSampleId :

Quant Time: Oct 04 05:16:13 2017  
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QLast Update : Tue Sep 12 16:57:11 2017  
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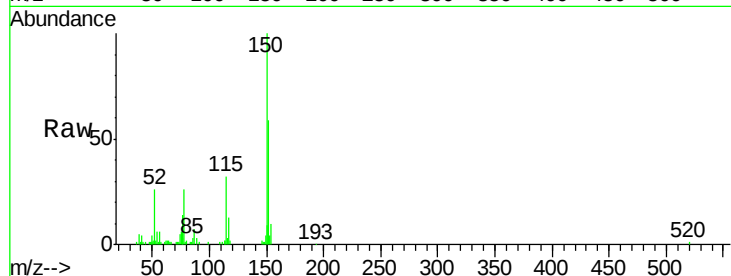


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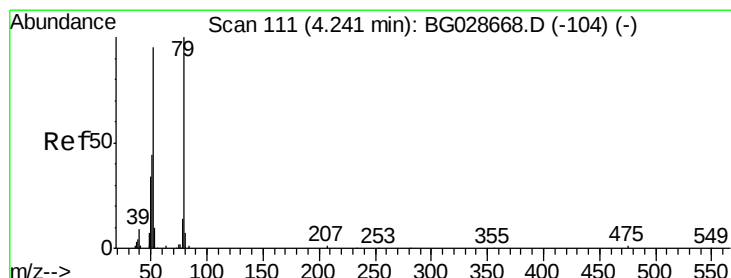
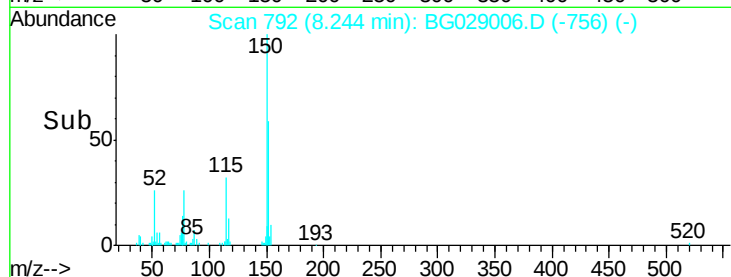
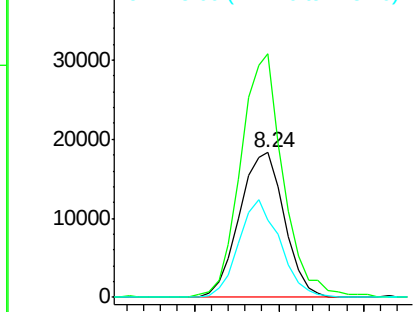
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.24 min Scan# 792  
Delta R.T. -0.09 min  
Lab File: BG029006.D  
Acq: 3 Oct 2017 15:27

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 168.1 | 114.0 | 171.0 |
| 115     | 53.7  | 48.1  | 72.1  |



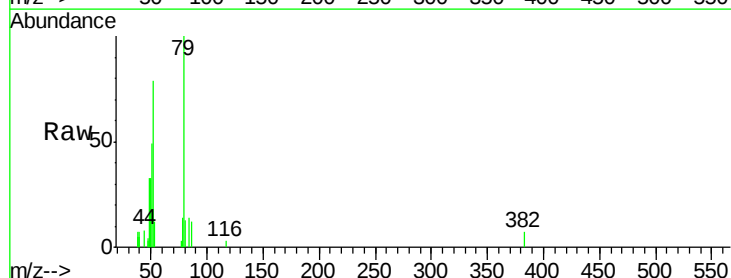
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



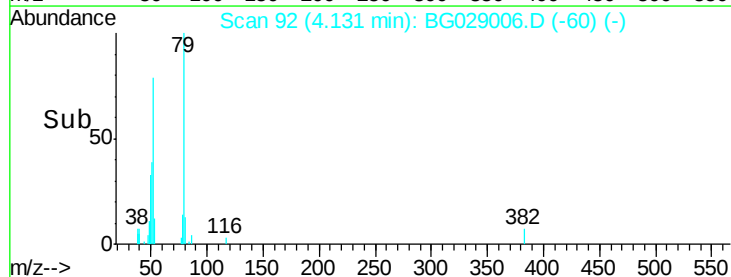
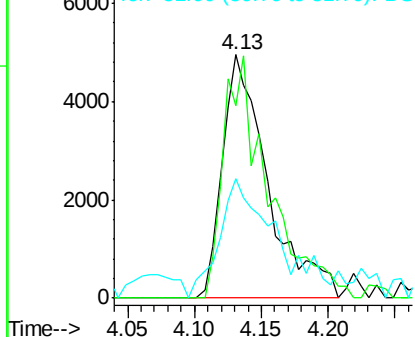
#3

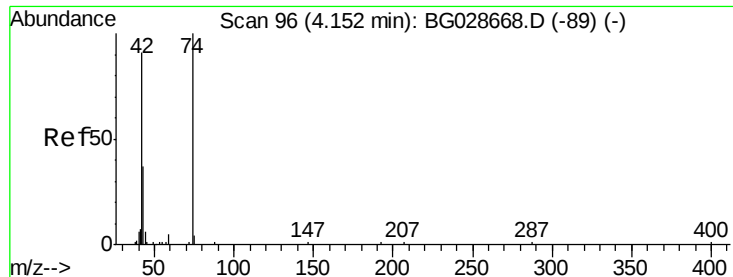
Pyridine  
Concen: 4.95 ng  
RT: 4.13 min Scan# 92  
Delta R.T. -0.11 min  
Lab File: BG029006.D  
Acq: 3 Oct 2017 15:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 52      | 79.1  | 77.8  | 116.6 |
| 51      | 48.9  | 43.2  | 64.8  |



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: 5.57 ng

RT: 4.04 min Scan# 77

Delta R.T. -0.11 min

Lab File: BG029006.D

Acq: 3 Oct 2017 15:27

Instrument :

BNA\_G

ClientSampleId :

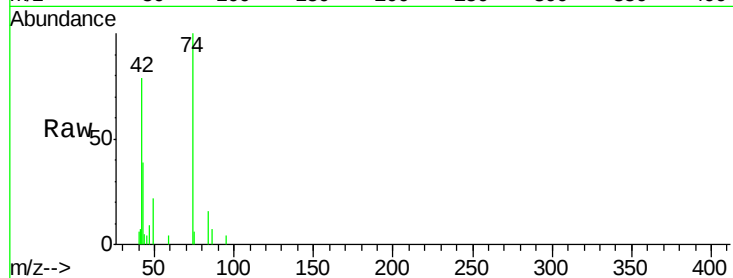
Tot Ion: 42 Resp: 6001

Ion Ratio Lower Upper

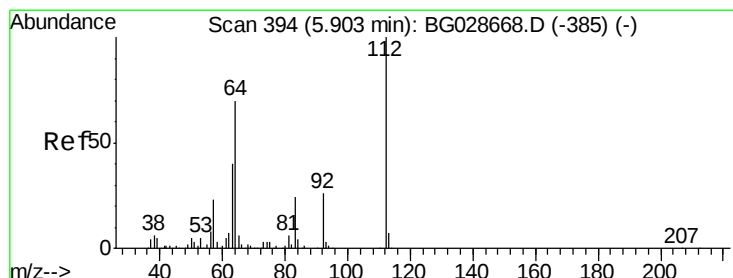
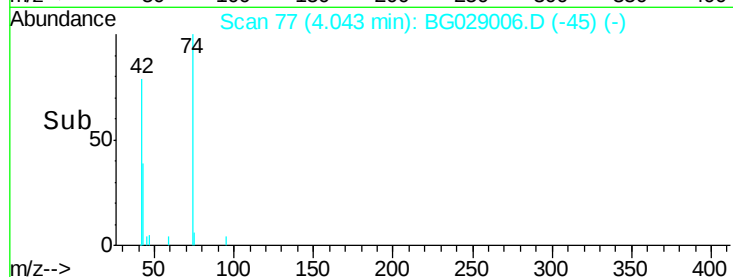
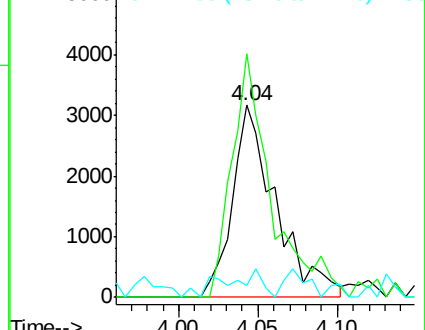
42 100

74 126.6 76.7 115.1#

44 6.1 6.1 9.1



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: 168.51 ng

RT: 5.81 min Scan# 377

Delta R.T. -0.10 min

Lab File: BG029006.D

Acq: 3 Oct 2017 15:27

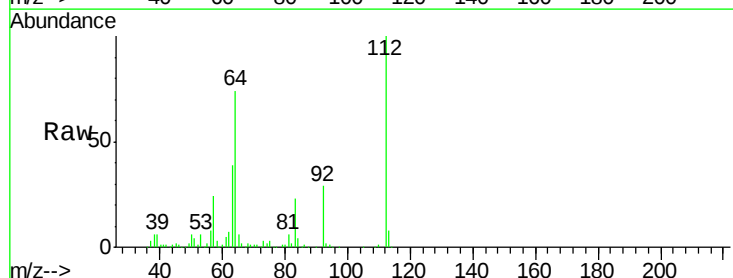
Tgt Ion: 112 Resp: 345571

Ion Ratio Lower Upper

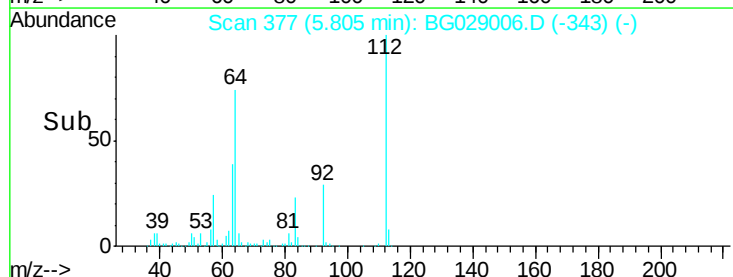
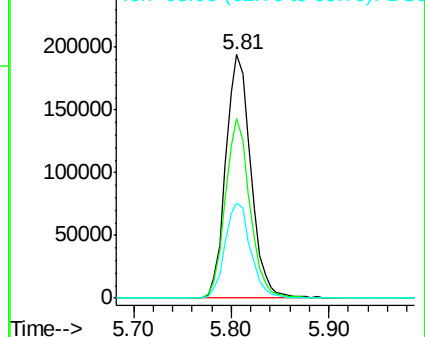
112 100

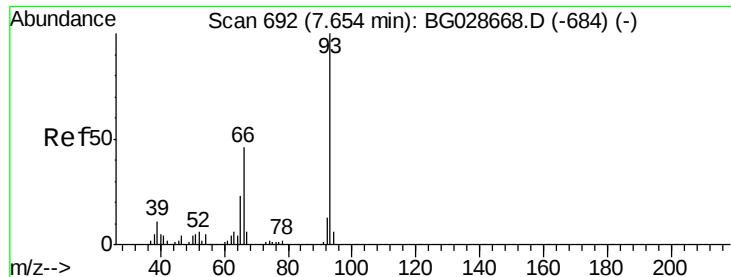
64 73.9 61.8 92.6

63 39.3 37.2 55.8



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





#6

Aniline

Concen: 5.23 ng

RT: 7.57 min Scan# 677

Delta R.T. -0.09 min

Lab File: BG029006.D

Acq: 3 Oct 2017 15:27

Instrument :

BNA\_G

ClientSampled :

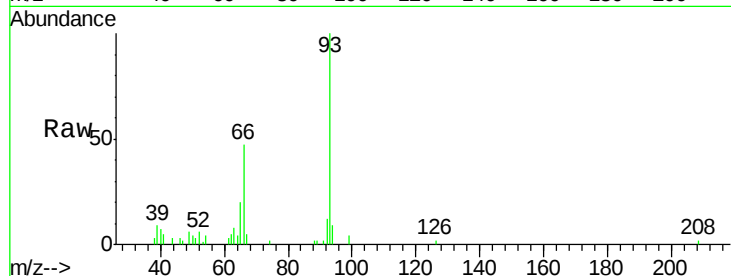
Tot Ion: 93 Resp: 18782

Ion Ratio Lower Upper

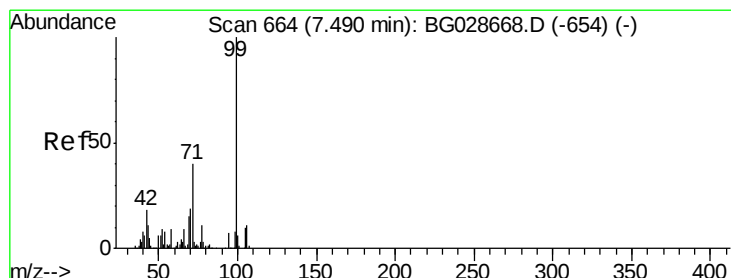
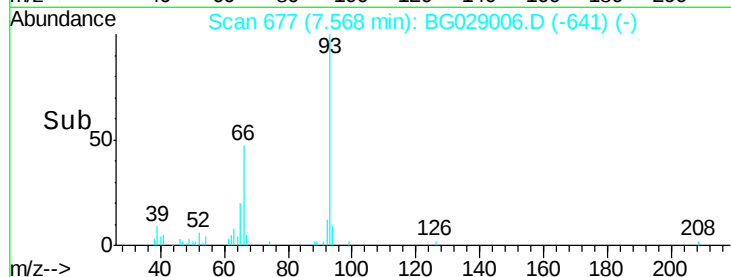
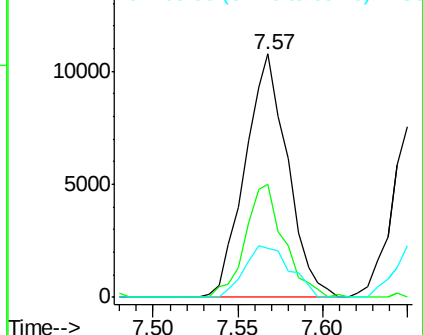
93 100

66 46.6 35.4 53.2

65 20.0 21.2 31.8#



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: 150.21 ng

RT: 7.40 min Scan# 648

Delta R.T. -0.09 min

Lab File: BG029006.D

Acq: 3 Oct 2017 15:27

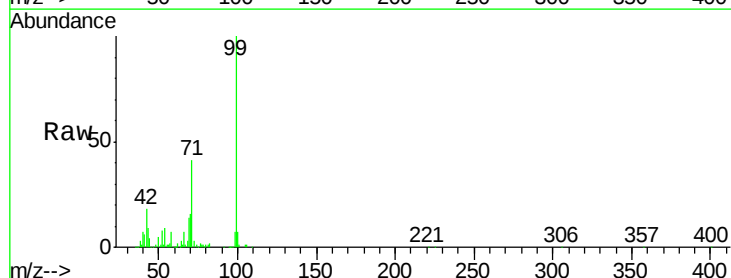
Tgt Ion: 99 Resp: 463806

Ion Ratio Lower Upper

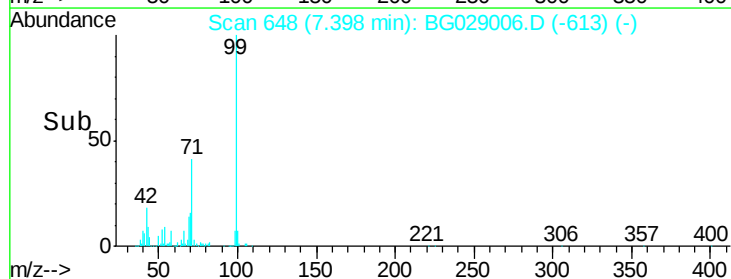
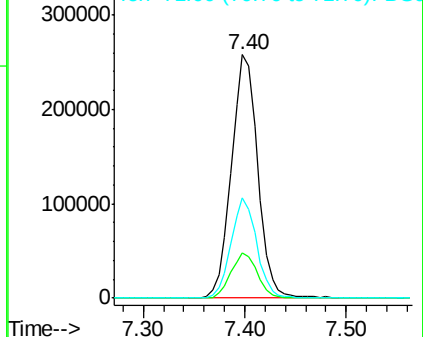
99 100

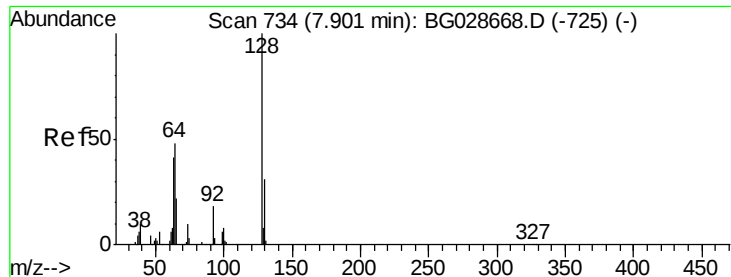
42 18.4 20.5 30.7#

71 41.2 37.6 56.4



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: 5.40 ng

RT: 7.80 min Scan# 717

Delta R.T. -0.10 min

Lab File: BG029006.D

Acq: 3 Oct 2017 15:27

Instrument :

BNA\_G

ClientSampled :

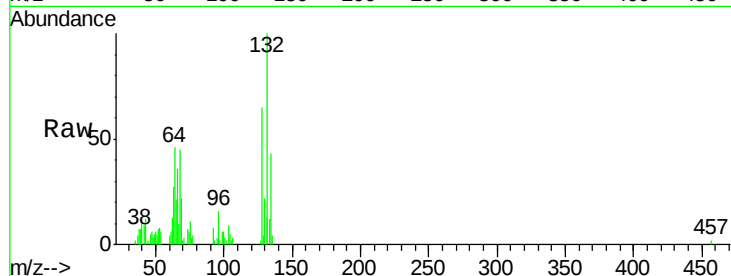
Tot Ion:128 Resp: 12343

Ion Ratio Lower Upper

128 100

130 34.4 11.4 51.4

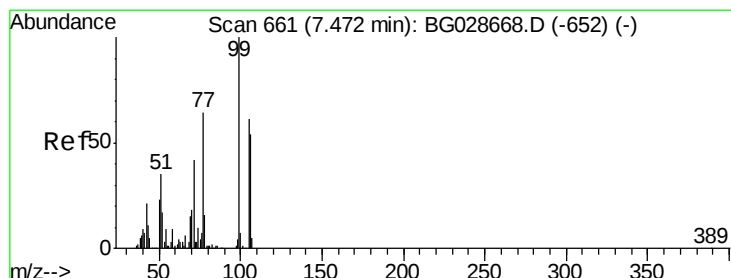
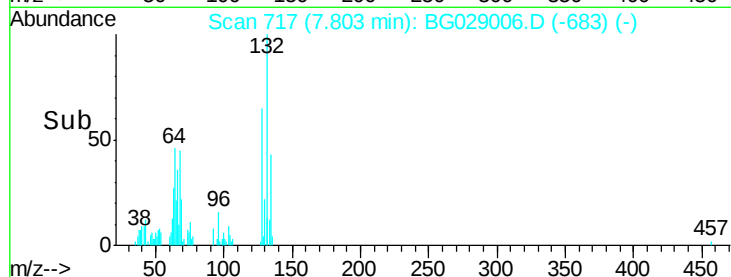
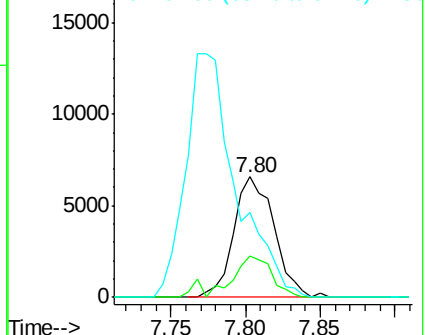
64 70.5 46.6 86.6



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BGC



#9

Benzaldehyde

Concen: 4.33 ng

RT: 7.39 min Scan# 646

Delta R.T. -0.09 min

Lab File: BG029006.D

Acq: 3 Oct 2017 15:27

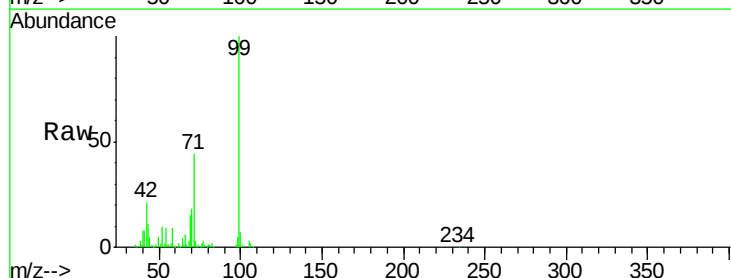
Tgt Ion: 77 Resp: 8287

Ion Ratio Lower Upper

77 100

105 83.8 60.9 100.9

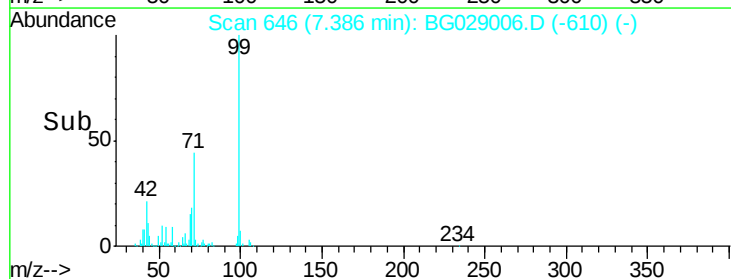
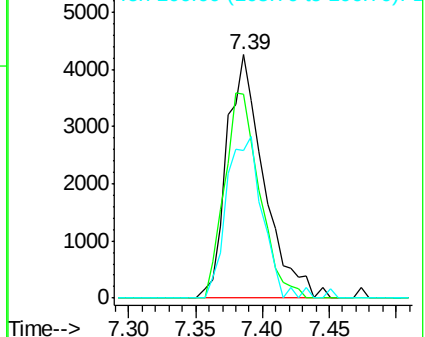
106 60.9 55.1 95.1

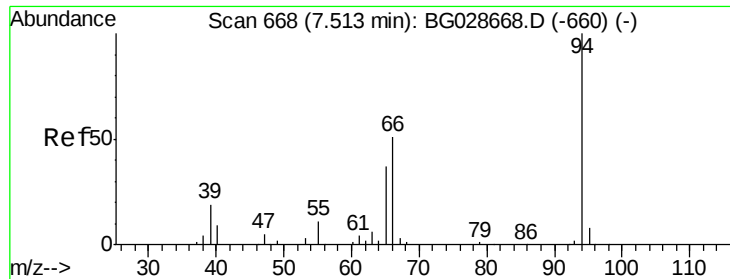


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 4.82 ng

RT: 7.42 min Scan# 652

Delta R.T. -0.09 min

Lab File: BG029006.D

Acq: 3 Oct 2017 15:27

Instrument :

BNA\_G

ClientSampled :

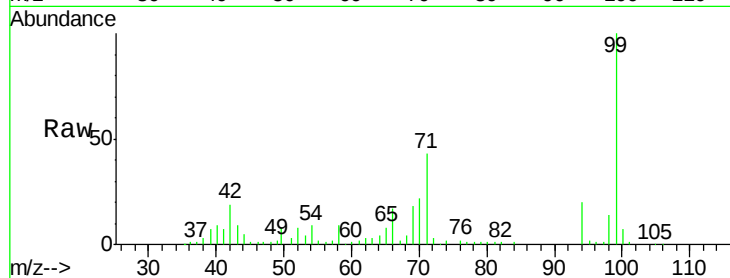
Tot Ion: 94 Resp: 15710

Ion Ratio Lower Upper

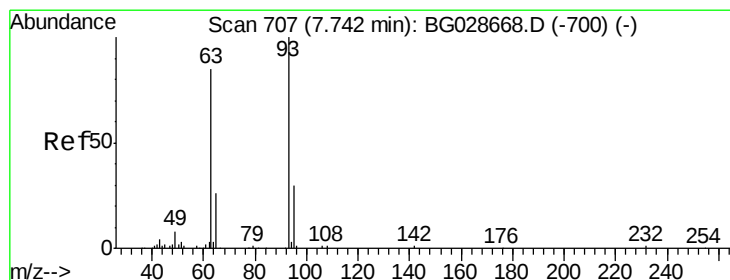
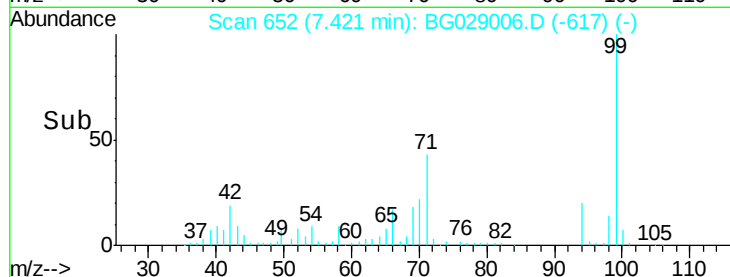
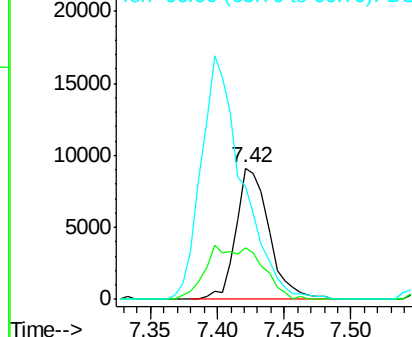
94 100

65 39.4 20.6 60.6

66 85.8 35.5 75.5#



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: 5.26 ng

RT: 7.65 min Scan# 691

Delta R.T. -0.09 min

Lab File: BG029006.D

Acq: 3 Oct 2017 15:27

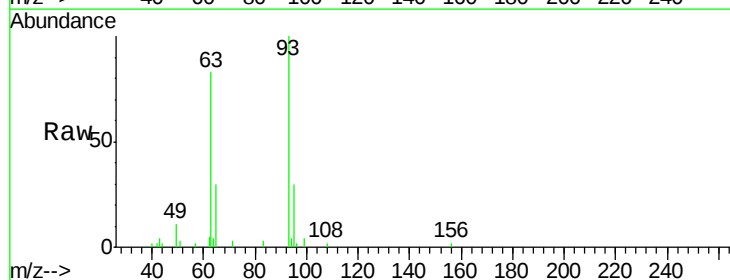
Tgt Ion: 93 Resp: 12311

Ion Ratio Lower Upper

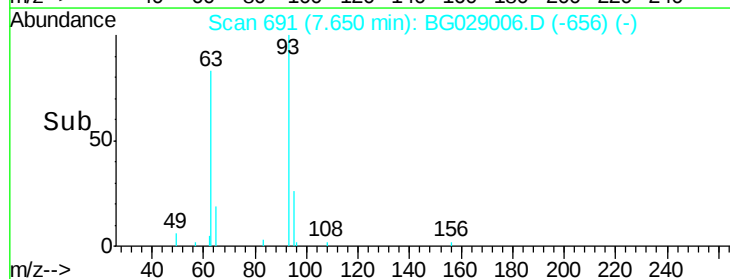
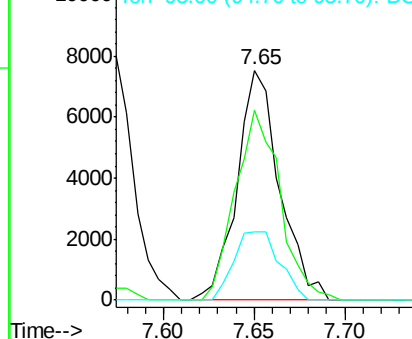
93 100

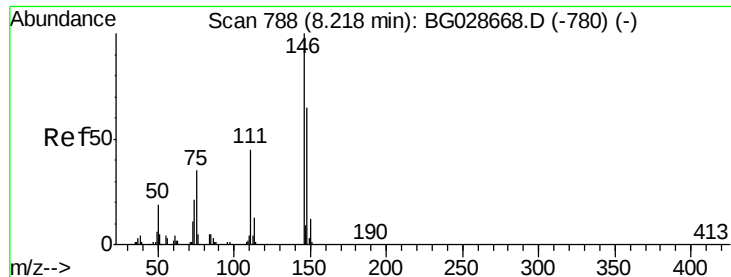
63 82.7 78.5 118.5

95 29.6 9.8 49.8



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: 5.35 ng

RT: 8.13 min Scan# 772

Delta R.T. -0.09 min

Lab File: BG029006.D

Acq: 3 Oct 2017 15:27

Instrument :

BNA\_G

ClientSampleId :

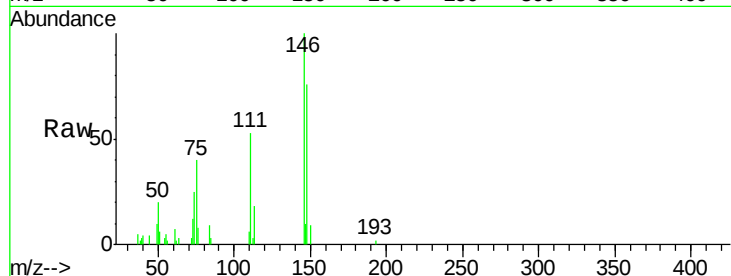
Tot Ion:146 Resp: 13172

Ion Ratio Lower Upper

146 100

148 75.7 49.2 73.8#

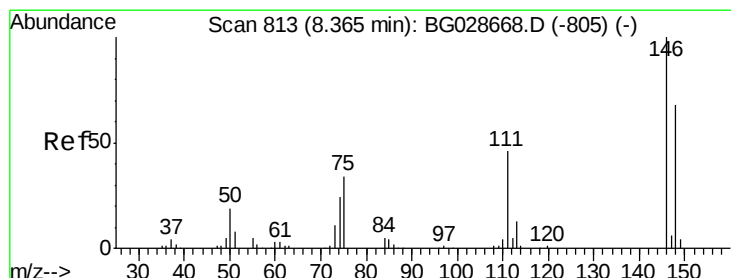
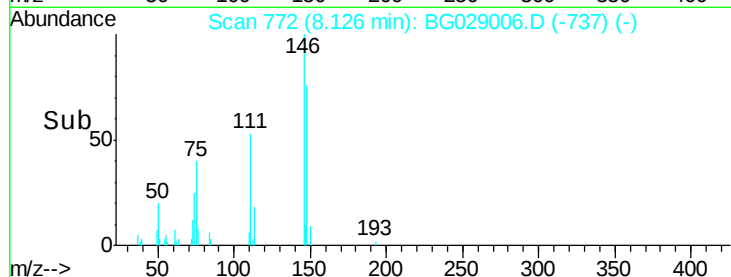
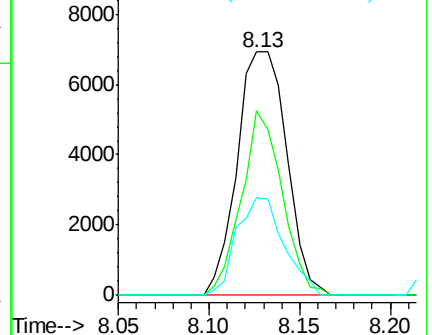
75 40.0 33.4 50.2



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): B



#13

1,4-Dichlorobenzene

Concen: 5.24 ng

RT: 8.28 min Scan# 798

Delta R.T. -0.09 min

Lab File: BG029006.D

Acq: 3 Oct 2017 15:27

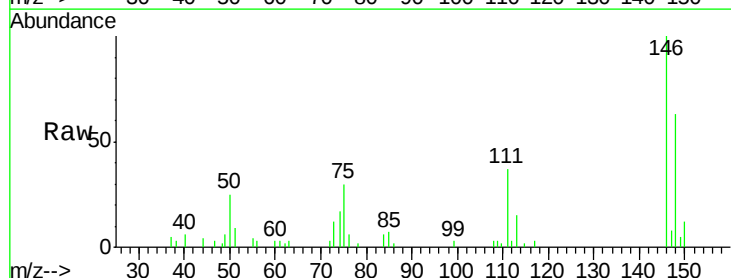
Tgt Ion:146 Resp: 13271

Ion Ratio Lower Upper

146 100

148 62.8 52.2 78.2

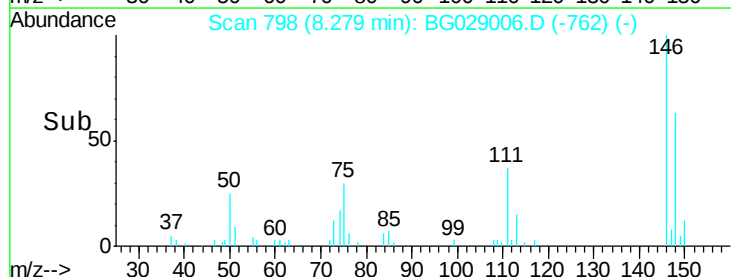
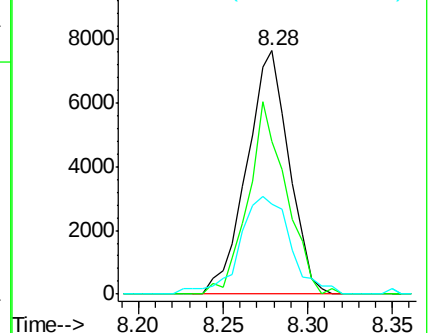
111 37.2 37.0 55.6

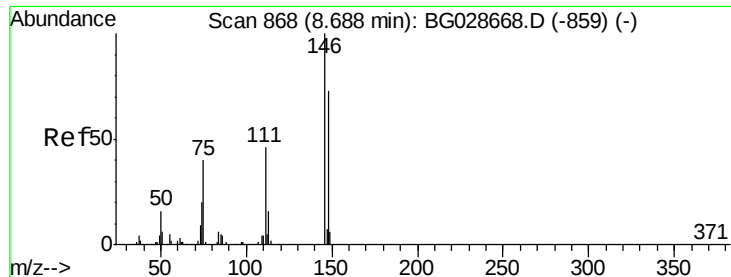


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

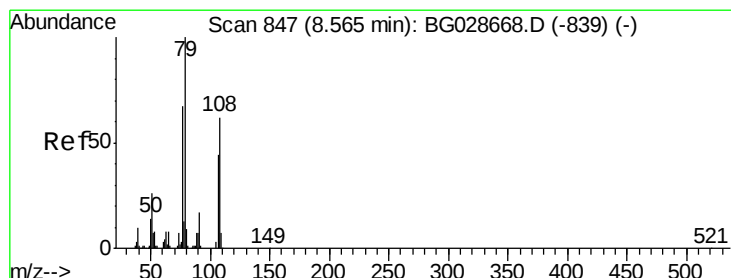
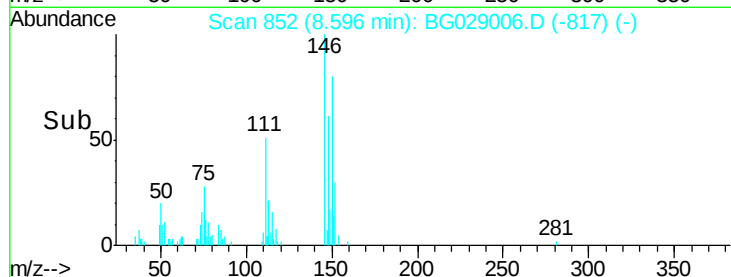
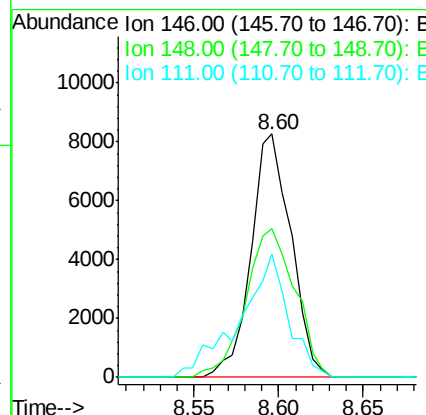
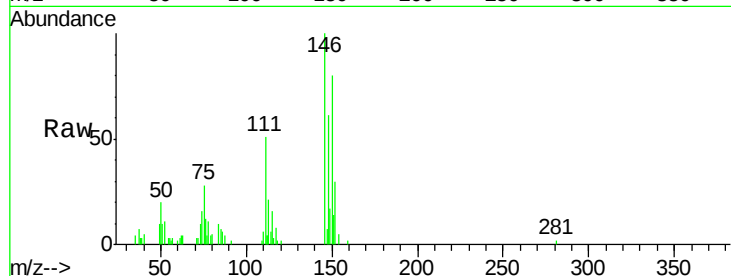




#14  
 1,2-Dichlorobenzene  
 Concen: 5.43 ng  
 RT: 8.60 min Scan# 852  
 Delta R.T. -0.09 min  
 Lab File: BG029006.D  
 Acq: 3 Oct 2017 15:27

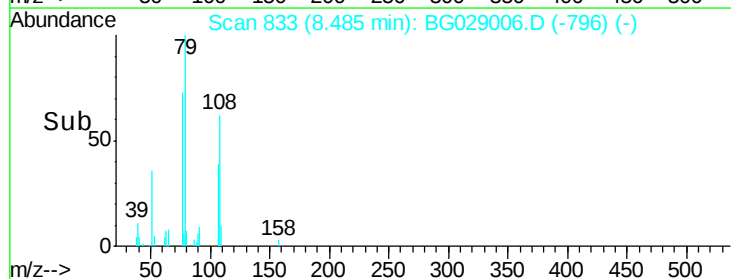
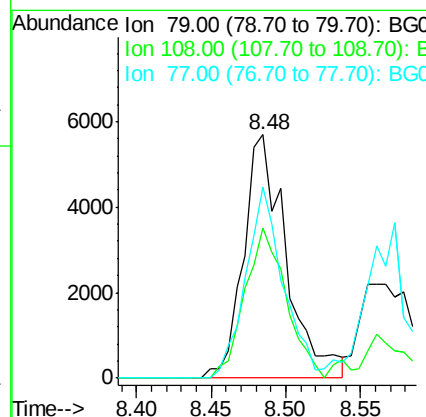
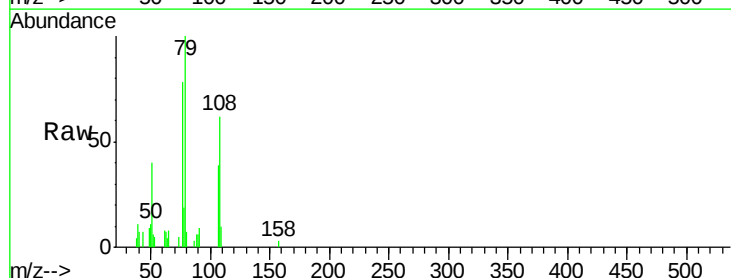
Instrument :  
 BNA\_G  
 ClientSampleId :

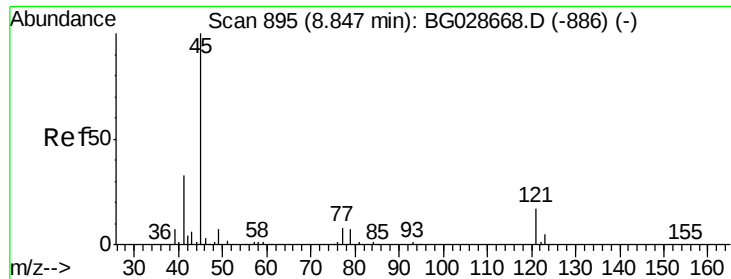
Tot Ion:146 Resp: 13589  
 Ion Ratio Lower Upper  
 146 100  
 148 61.0 54.6 81.8  
 111 50.7 39.7 59.5



#15  
 Benzyl Alcohol  
 Concen: 4.68 ng  
 RT: 8.48 min Scan# 833  
 Delta R.T. -0.08 min  
 Lab File: BG029006.D  
 Acq: 3 Oct 2017 15:27

Tgt Ion: 79 Resp: 11275  
 Ion Ratio Lower Upper  
 79 100  
 108 61.9 45.5 68.3  
 77 78.4 54.3 81.5

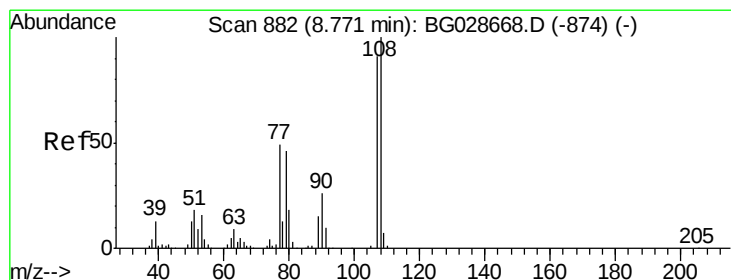
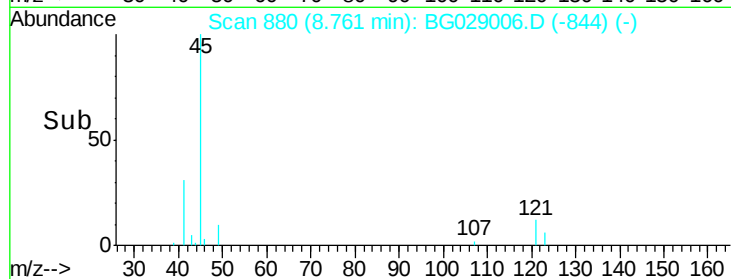
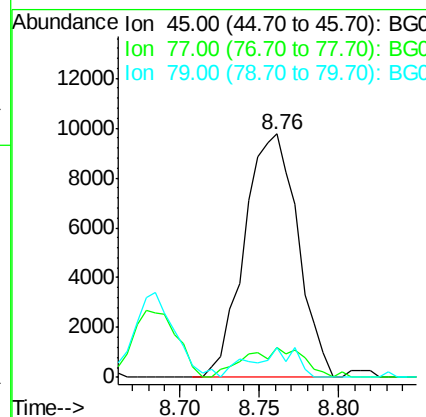
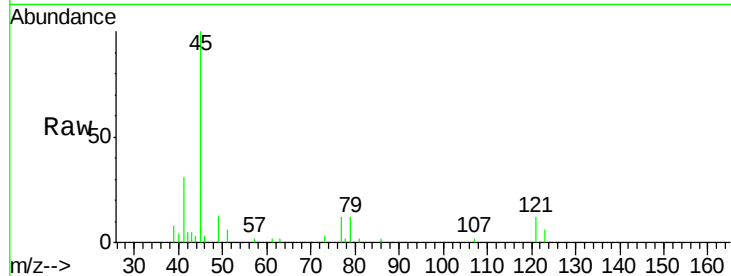




#16  
2,2'-oxvbis(1-Chloropropane)  
Concen: 5.35 ng  
RT: 8.76 min Scan# 880  
Delta R.T. -0.09 min  
Lab File: BG029006.D  
Acq: 3 Oct 2017 15:27

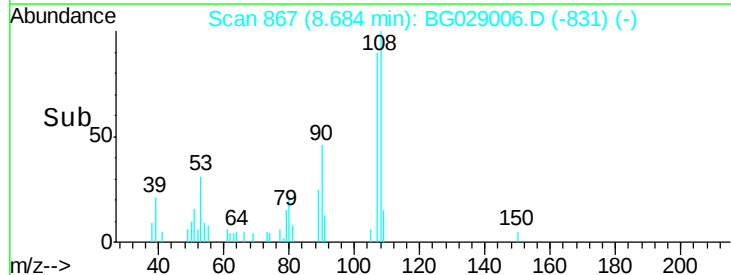
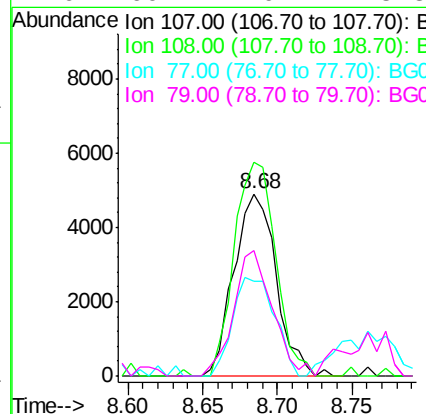
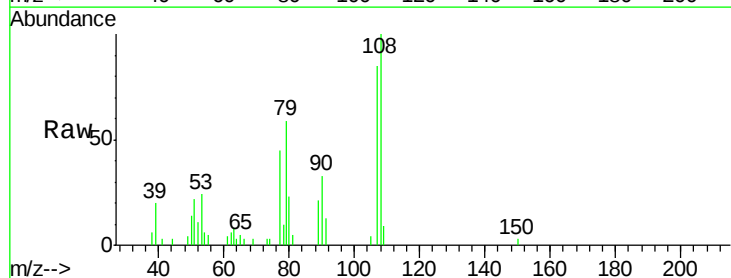
Instrument :  
BNA\_G  
ClientSampleId :

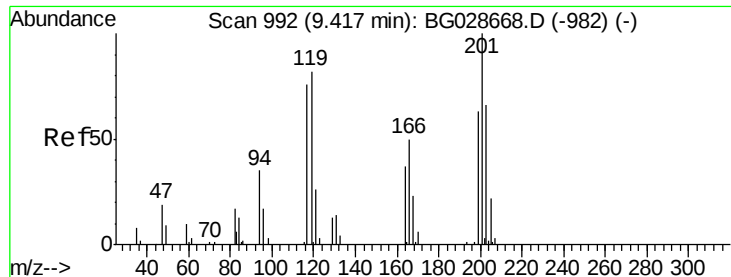
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 77      | 12.5  | 0.0   | 30.6  |
| 79      | 12.1  | 0.0   | 28.5  |



#17  
2-Methylphenol  
Concen: 4.55 ng  
RT: 8.68 min Scan# 867  
Delta R.T. -0.09 min  
Lab File: BG029006.D  
Acq: 3 Oct 2017 15:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 117.2 | 85.6  | 128.4 |
| 77      | 52.2  | 51.4  | 77.2  |
| 79      | 69.1  | 49.2  | 73.8  |

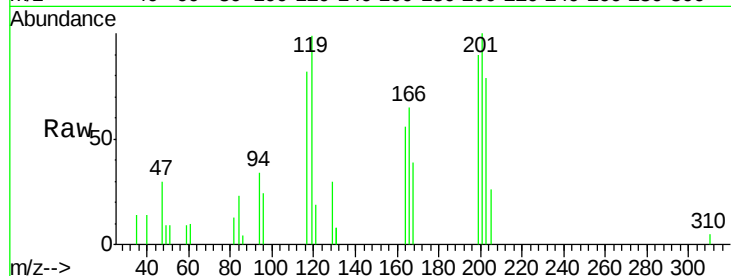




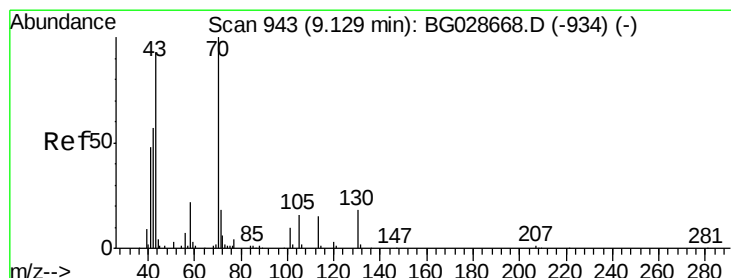
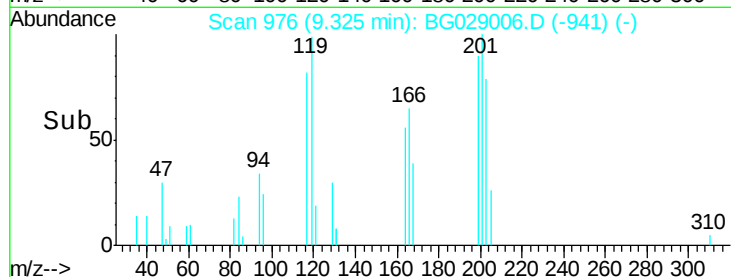
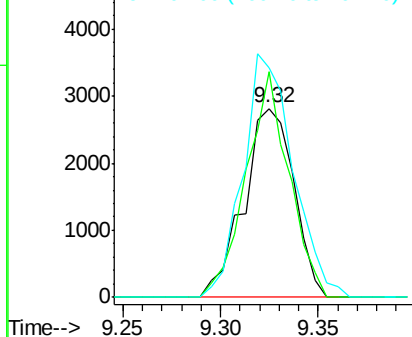
#18  
Hexachloroethane  
Concen: 5.39 ng  
RT: 9.32 min Scan# 976  
Delta R.T. -0.09 min  
Lab File: BG029006.D  
Acq: 3 Oct 2017 15:27

Instrument :  
BNA\_G  
ClientSampled :

Tot Ion:117 Resp: 5005  
Ion Ratio Lower Upper  
117 100  
119 119.7 69.8 104.6#  
201 121.2 95.4 143.0

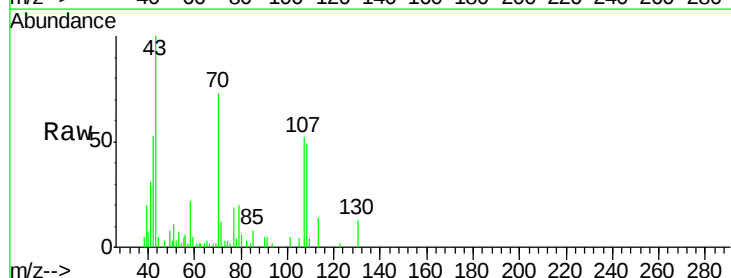


Abundance Ion 117.00 (116.70 to 117.70): E  
Ion 119.00 (118.70 to 119.70): E  
Ion 201.00 (200.70 to 201.70): E

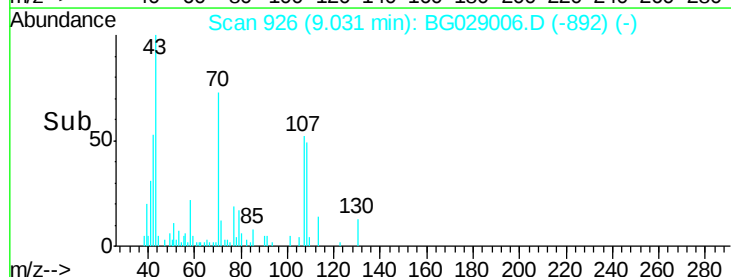
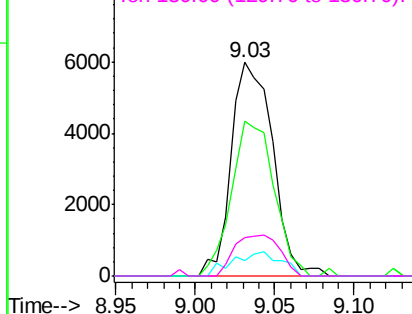


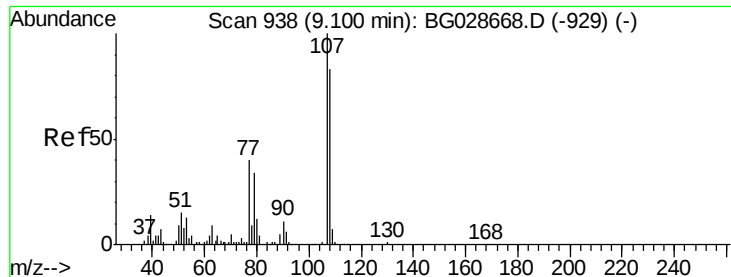
#19  
n-Nitroso-di-n-propylamine  
Concen: 4.95 ng  
RT: 9.03 min Scan# 926  
Delta R.T. -0.10 min  
Lab File: BG029006.D  
Acq: 3 Oct 2017 15:27

Tgt Ion: 70 Resp: 10842  
Ion Ratio Lower Upper  
70 100  
42 72.8 56.1 84.1  
101 7.0 7.5 11.3#  
130 17.8 14.6 21.8



Abundance Ion 70.00 (69.70 to 70.70): BGC  
Ion 42.00 (41.70 to 42.70): BGC  
Ion 101.00 (100.70 to 101.70): BGC  
Ion 130.00 (129.70 to 130.70): BGC





#20

3+4-Methylphenols

Concen: 4.34 ng

RT: 9.03 min Scan# 925

Delta R.T. -0.07 min

Lab File: BG029006.D

Acq: 3 Oct 2017 15:27

Instrument :

BNA\_G

ClientSampleId :

Tot Ion:107 Resp: 12920

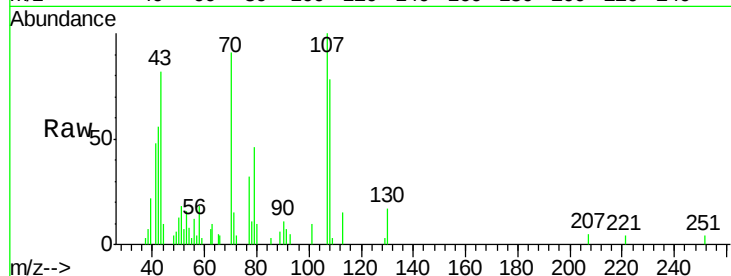
Ion Ratio Lower Upper

107 100

108 78.0 70.8 110.8

77 32.3 25.8 65.8

79 46.4 20.1 60.1

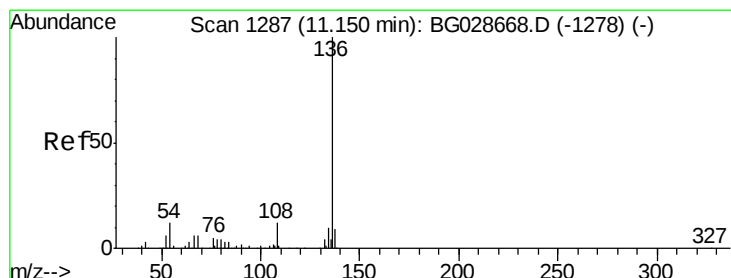
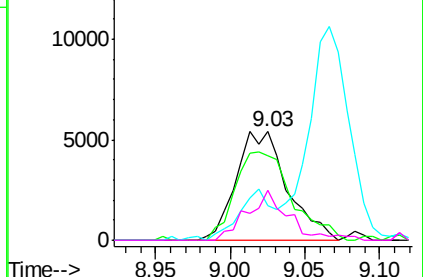
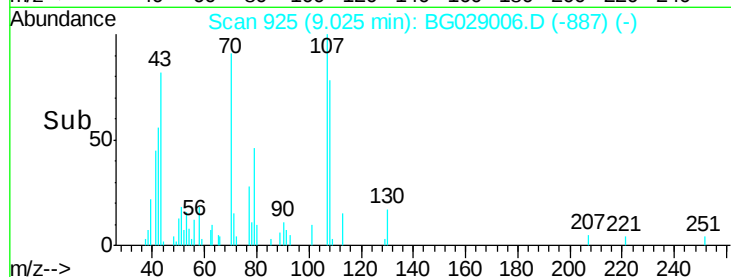


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.06 min Scan# 1271

Delta R.T. -0.09 min

Lab File: BG029006.D

Acq: 3 Oct 2017 15:27

Tgt Ion:136 Resp: 140803

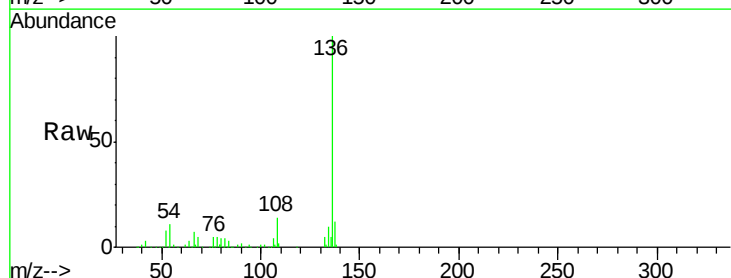
Ion Ratio Lower Upper

136 100

137 12.0 8.9 13.3

54 11.2 9.3 13.9

68 5.1 5.1 7.7#

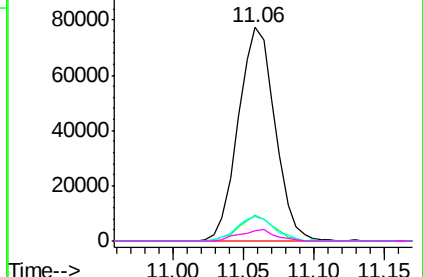
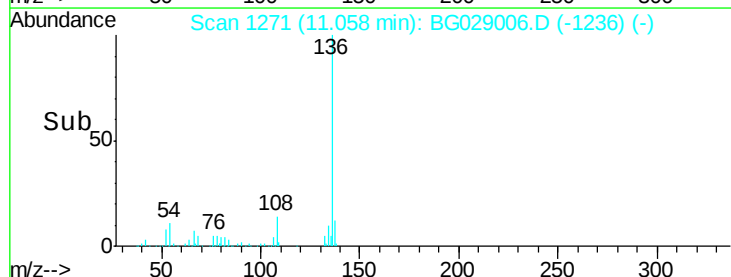


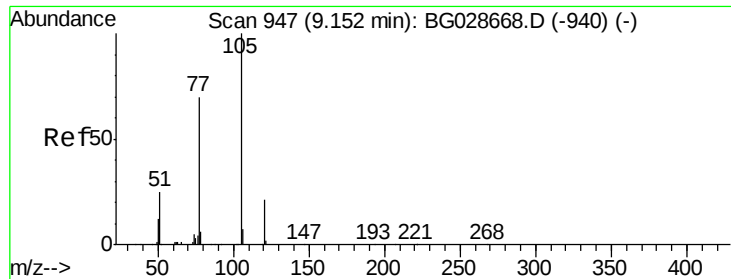
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC

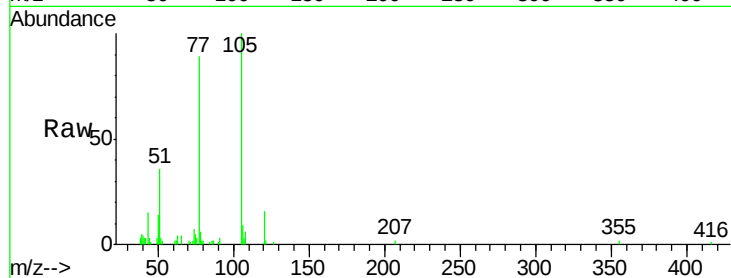




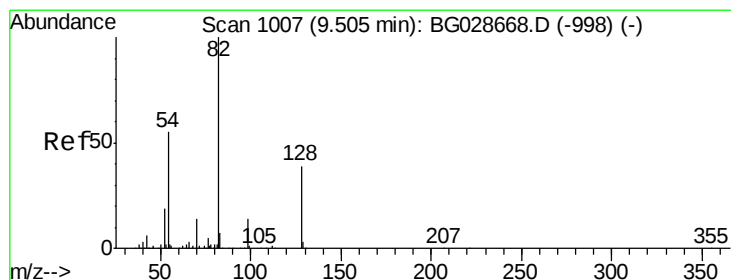
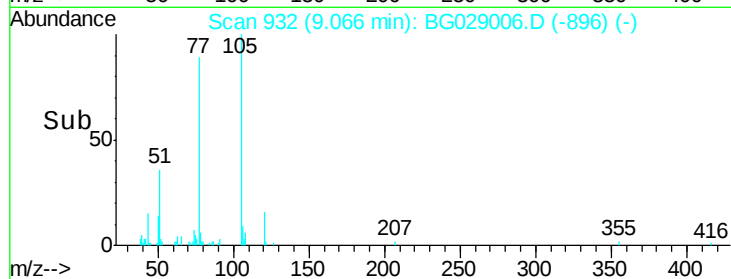
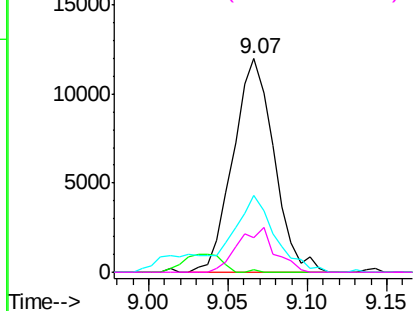
#22  
Acetophenone  
Concen: 5.21 ng  
RT: 9.07 min Scan# 932  
Delta R.T. -0.09 min  
Lab File: BG029006.D  
Acq: 3 Oct 2017 15:27

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:105 Resp: 21464  
Ion Ratio Lower Upper  
105 100  
71 1.3 0.9 1.3  
51 35.8 34.0 51.0  
120 16.4 17.3 25.9#

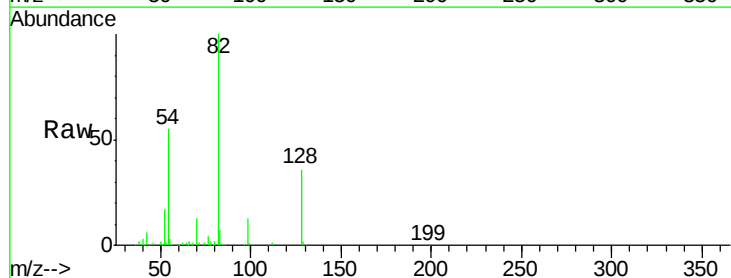


Abundance Ion 105.00 (104.70 to 105.70): E  
Ion 71.00 (70.70 to 71.70): BGC  
Ion 51.00 (50.70 to 51.70): BGC  
Ion 120.00 (119.70 to 120.70): E

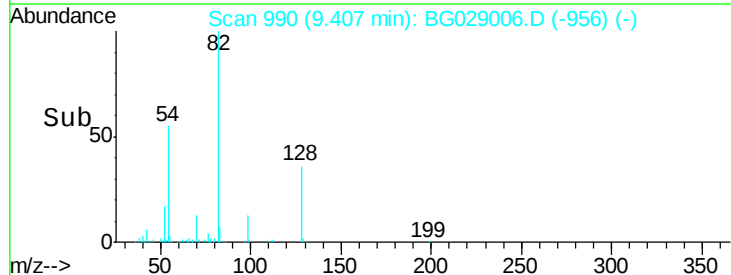
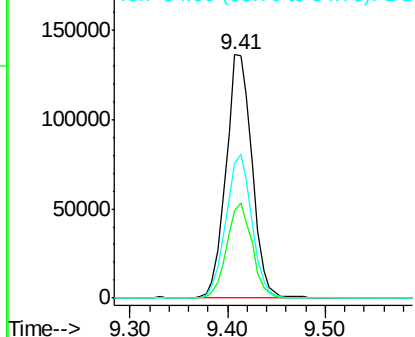


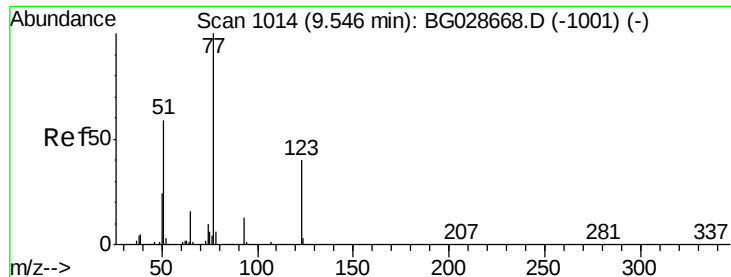
#23  
Nitrobenzene-d5  
Concen: 85.84 ng  
RT: 9.41 min Scan# 990  
Delta R.T. -0.10 min  
Lab File: BG029006.D  
Acq: 3 Oct 2017 15:27

Tgt Ion: 82 Resp: 252672  
Ion Ratio Lower Upper  
82 100  
128 35.8 26.4 39.6  
54 55.2 49.4 74.2



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

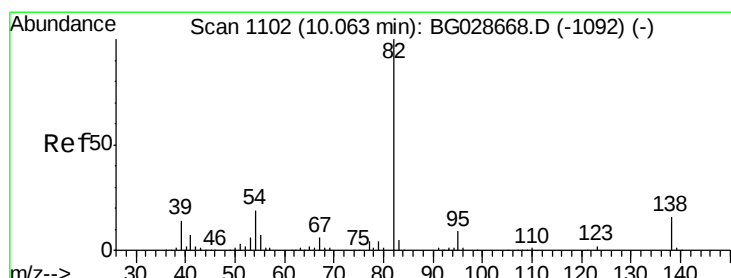
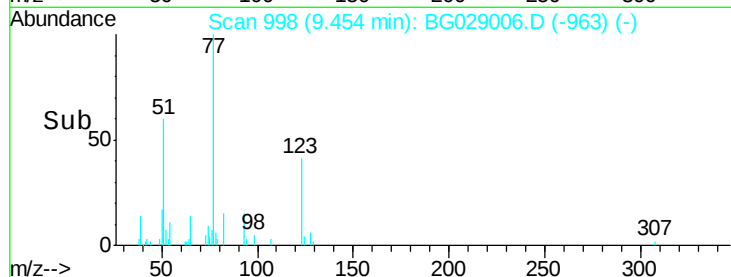
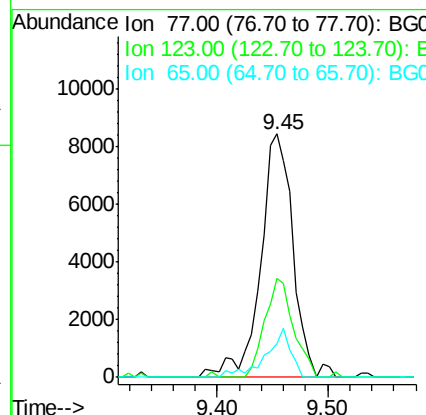
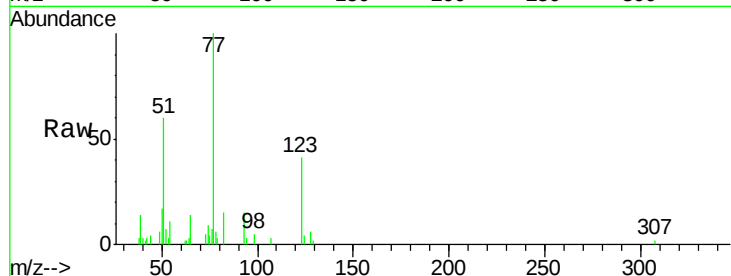




#24  
 Nitrobenzene  
 Concen: 5.33 ng  
 RT: 9.45 min Scan# 998  
 Delta R.T. -0.09 min  
 Lab File: BG029006.D  
 Acq: 3 Oct 2017 15:27

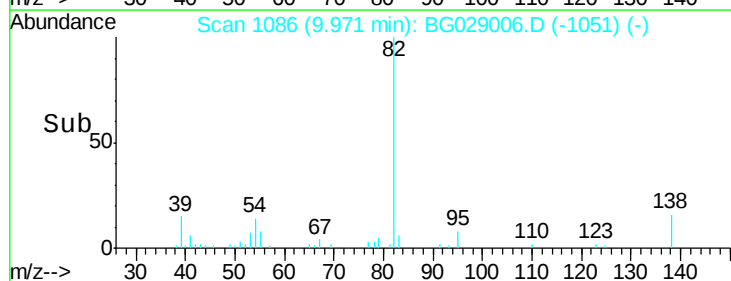
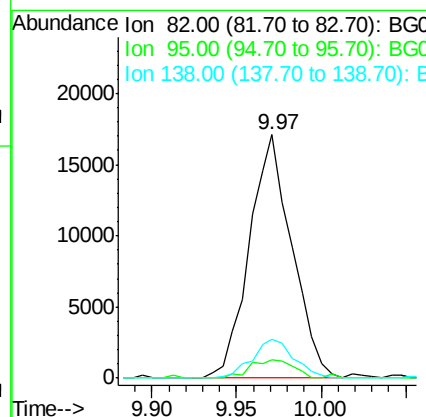
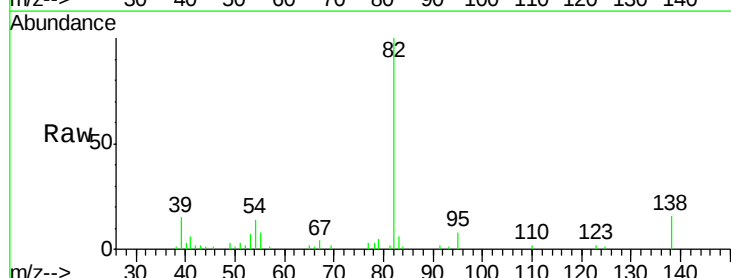
Instrument :  
 BNA\_G  
 ClientSampleId :

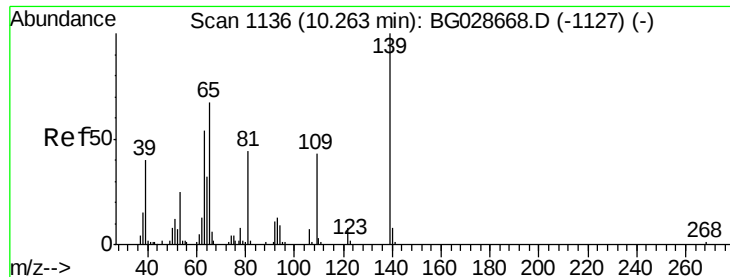
Tot Ion: 77 Resp: 17367  
 Ion Ratio Lower Upper  
 77 100  
 123 40.7 26.1 39.1#  
 65 13.9 12.4 18.6



#25  
 Isophorone  
 Concen: 5.03 ng  
 RT: 9.97 min Scan# 1086  
 Delta R.T. -0.09 min  
 Lab File: BG029006.D  
 Acq: 3 Oct 2017 15:27

Tgt Ion: 82 Resp: 29950  
 Ion Ratio Lower Upper  
 82 100  
 95 7.7 7.5 11.3  
 138 15.8 12.3 18.5

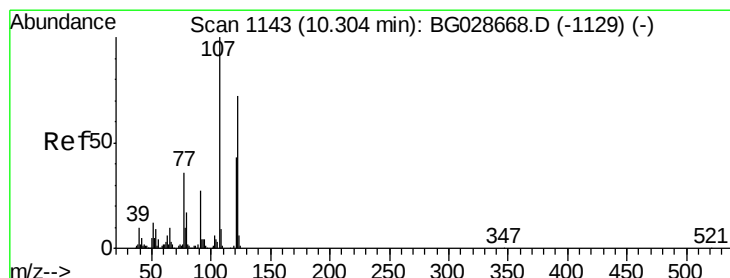
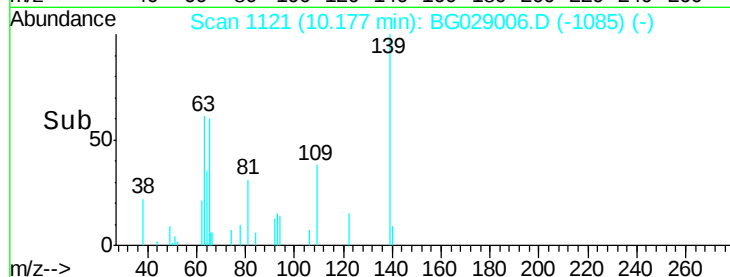
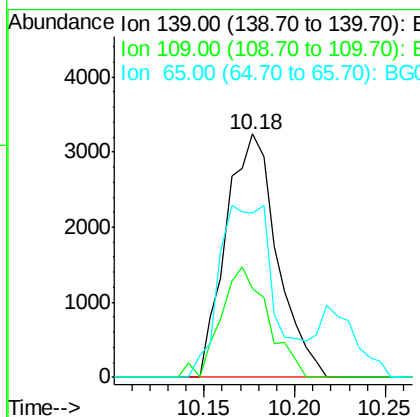
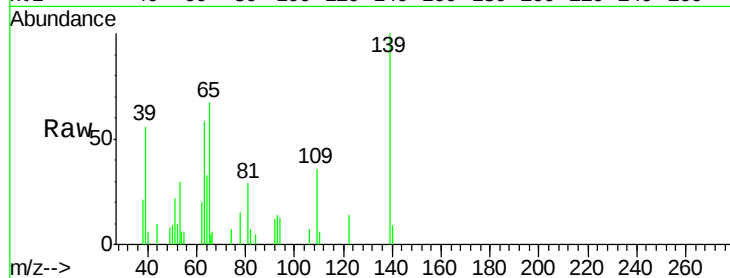




#26  
2-Nitrophenol  
Concen: 4.57 ng  
RT: 10.18 min Scan# 1121  
Delta R.T. -0.09 min  
Lab File: BG029006.D  
Acq: 3 Oct 2017 15:27

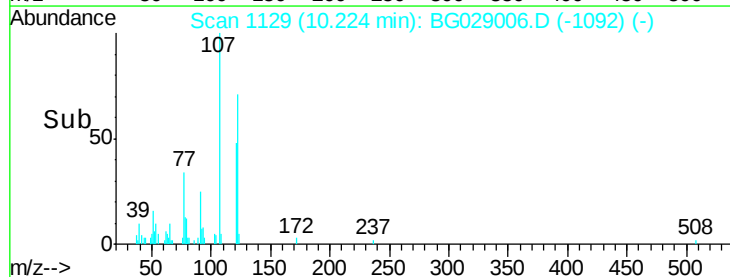
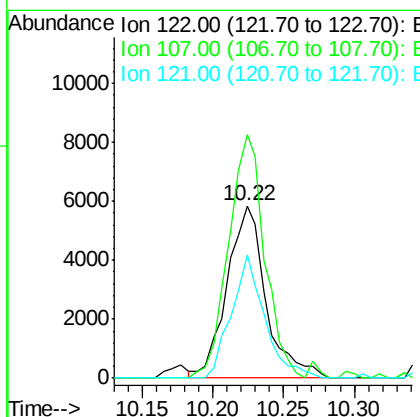
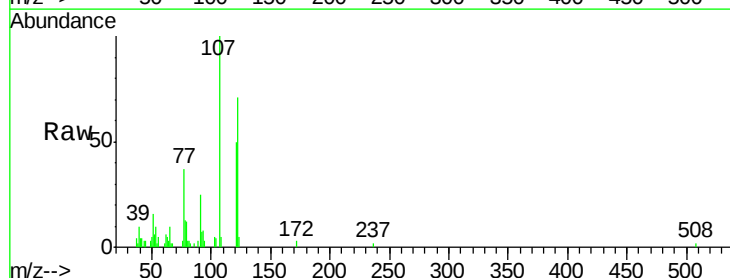
Instrument :  
BNA\_G  
ClientSampleId :

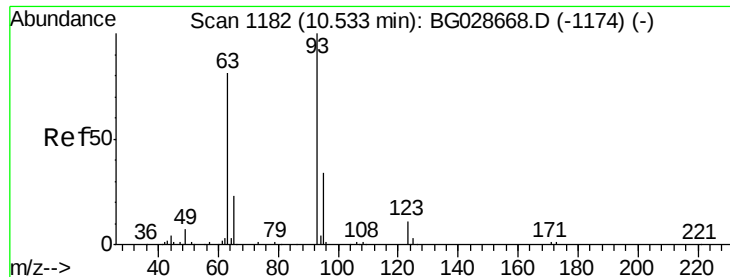
Tot Ion:139 Resp: 6336  
Ion Ratio Lower Upper  
139 100  
109 36.2 38.6 58.0#  
65 67.2 57.1 85.7



#27  
2,4-Dimethylphenol  
Concen: 4.42 ng  
RT: 10.22 min Scan# 1129  
Delta R.T. -0.08 min  
Lab File: BG029006.D  
Acq: 3 Oct 2017 15:27

Tgt Ion:122 Resp: 11196  
Ion Ratio Lower Upper  
122 100  
107 141.6 104.2 156.4  
121 71.5 46.0 69.0#

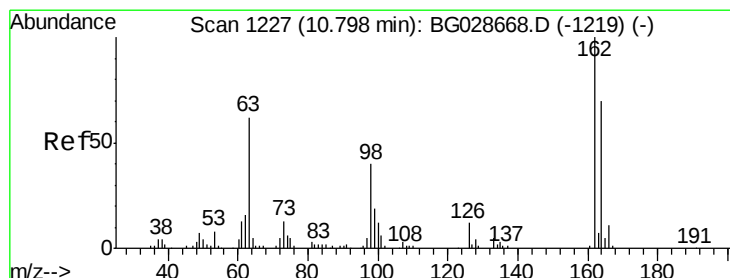
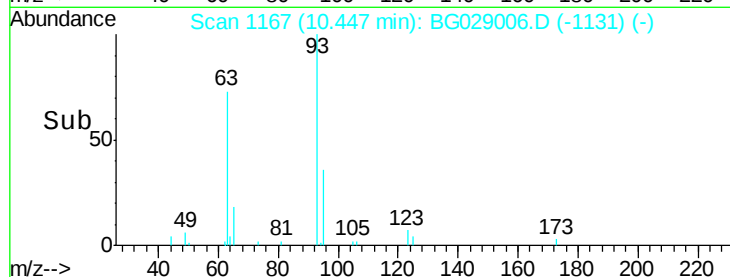
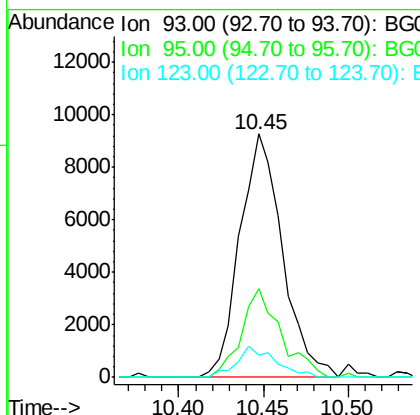
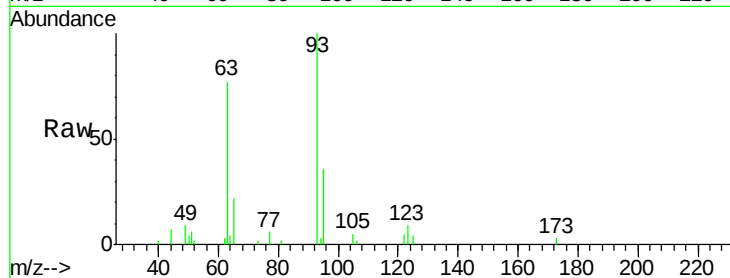




#28  
 bis(2-Chloroethoxy)methane  
 Concen: 5.01 ng  
 RT: 10.45 min Scan# 1167  
 Delta R.T. -0.09 min  
 Lab File: BG029006.D  
 Acq: 3 Oct 2017 15:27

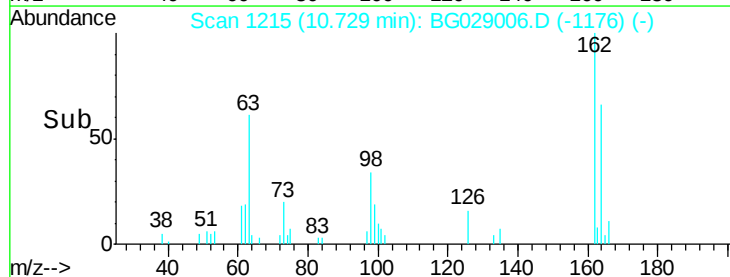
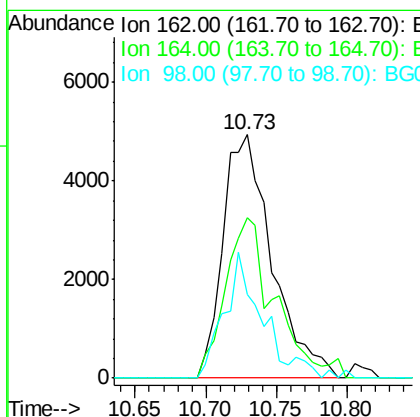
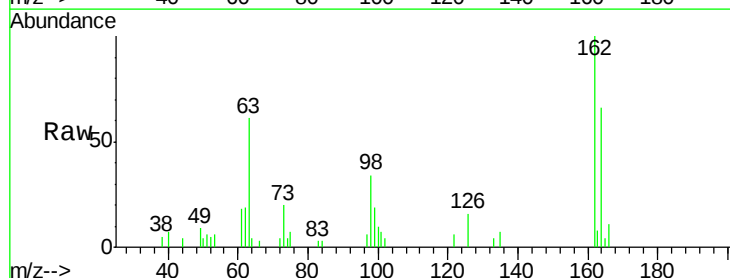
Instrument :  
 BNA\_G  
 ClientSampleId :

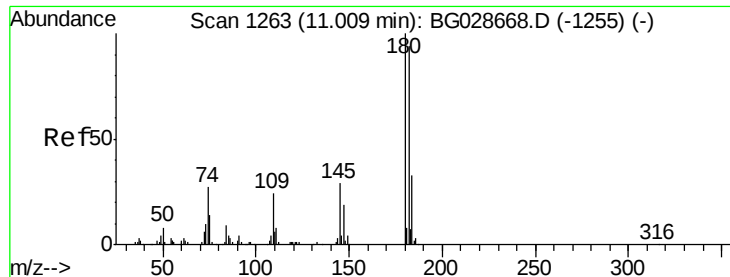
Tot Ion: 93 Resp: 16218  
 Ion Ratio Lower Upper  
 93 100  
 95 36.2 25.7 38.5  
 123 9.3 8.3 12.5



#29  
 2,4-Dichlorophenol  
 Concen: 4.72 ng  
 RT: 10.73 min Scan# 1215  
 Delta R.T. -0.07 min  
 Lab File: BG029006.D  
 Acq: 3 Oct 2017 15:27

Tgt Ion: 162 Resp: 11909  
 Ion Ratio Lower Upper  
 162 100  
 164 65.9 42.4 82.4  
 98 34.1 20.3 60.3

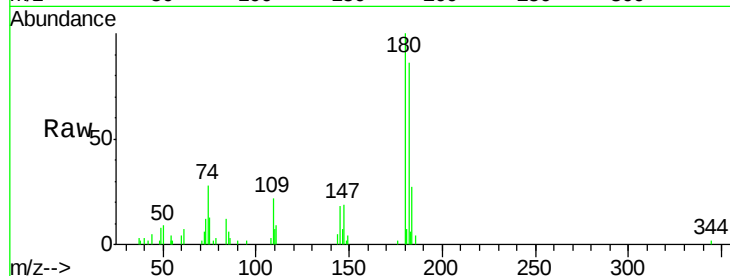




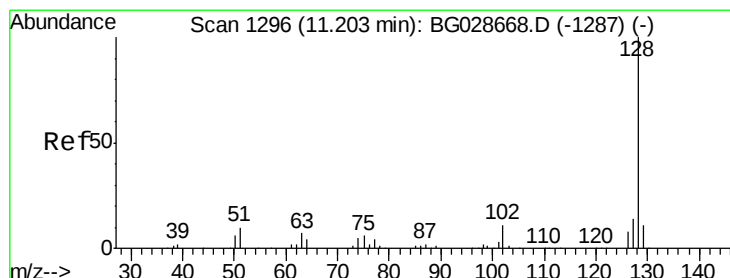
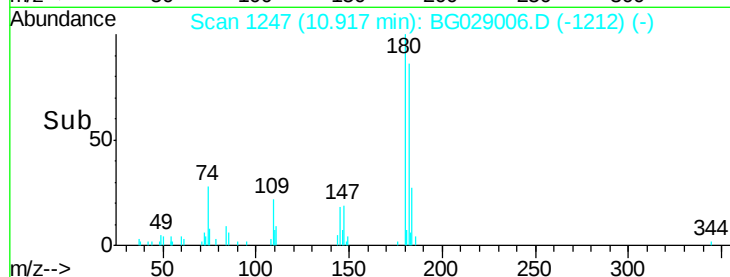
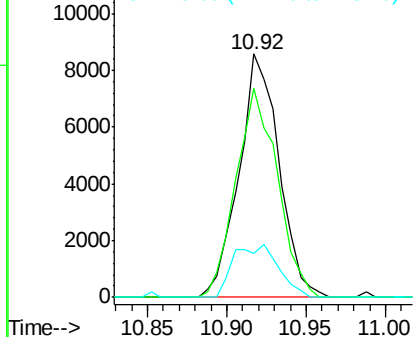
#30  
1,2,4-Trichlorobenzene  
Concen: 5.22 ng  
RT: 10.92 min Scan# 1247  
Delta R.T. -0.09 min  
Lab File: BG029006.D  
Acq: 3 Oct 2017 15:27

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:180 Resp: 15023  
Ion Ratio Lower Upper  
180 100  
182 85.8 77.0 115.4  
145 17.8 23.4 35.0#

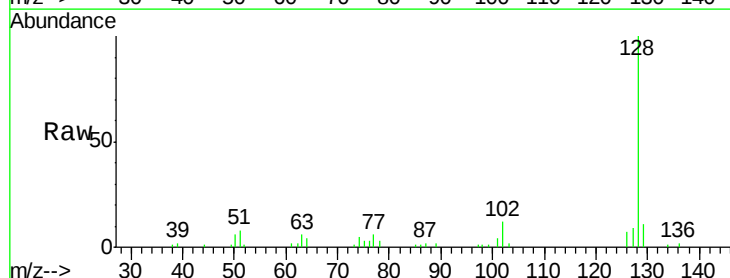


Abundance Ion 180.00 (179.70 to 180.70): E  
Ion 182.00 (181.70 to 182.70): E  
Ion 145.00 (144.70 to 145.70): E

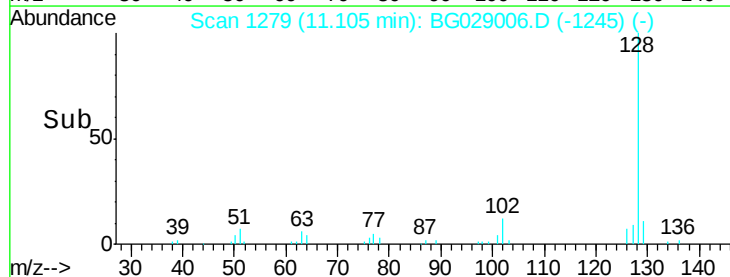
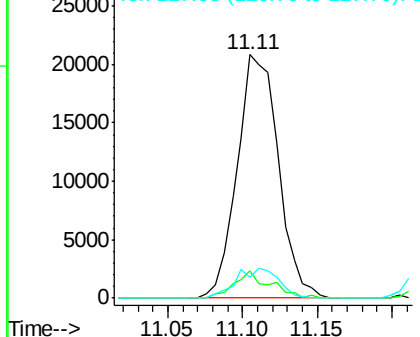


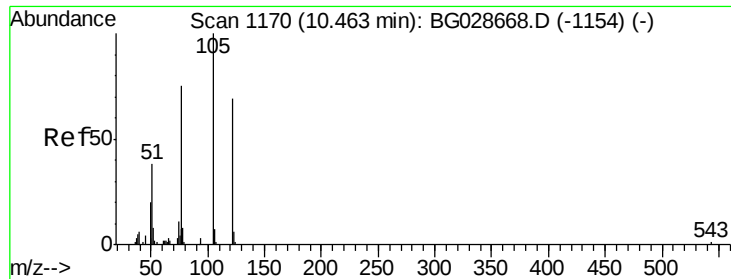
#31  
Naphthalene  
Concen: 5.41 ng  
RT: 11.11 min Scan# 1279  
Delta R.T. -0.10 min  
Lab File: BG029006.D  
Acq: 3 Oct 2017 15:27

Tgt Ion:128 Resp: 39804  
Ion Ratio Lower Upper  
128 100  
129 11.1 9.3 13.9  
127 8.8 11.4 17.0#



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

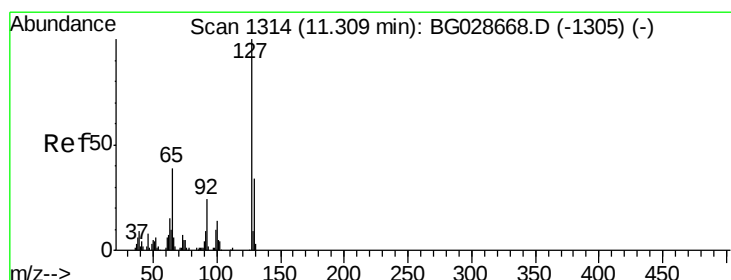
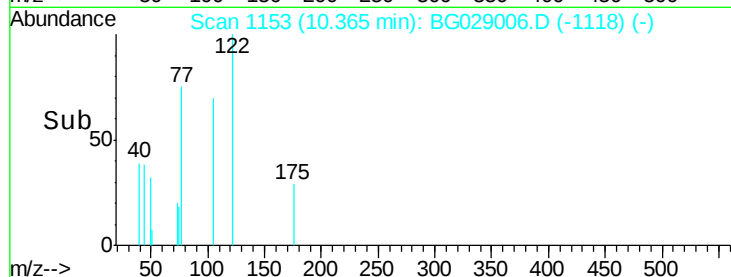
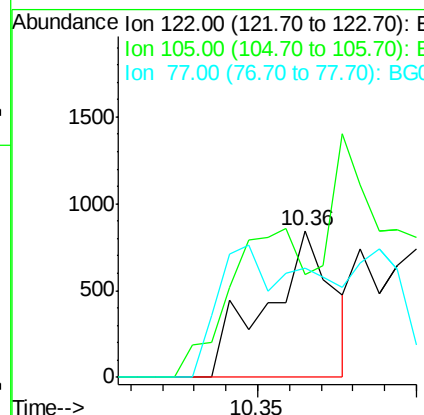
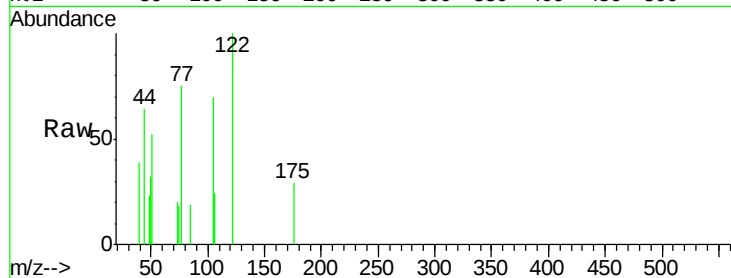




#32  
Benzoic acid  
Concen: 6.68 ng  
RT: 10.36 min Scan# 1153  
Delta R.T. -0.10 min  
Lab File: BG029006.D  
Acq: 3 Oct 2017 15:27

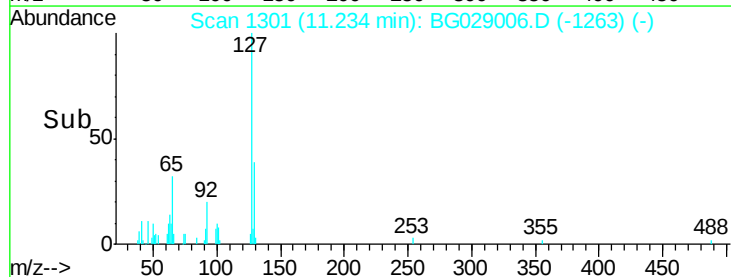
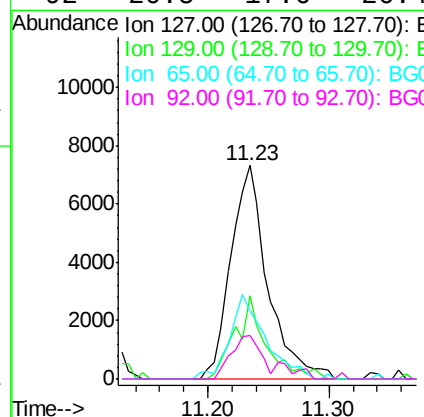
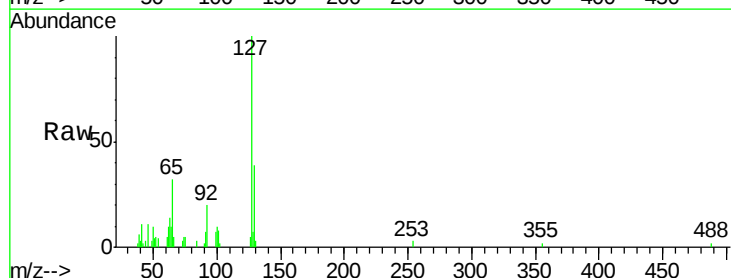
Instrument :  
BNA\_G  
ClientSampleId :

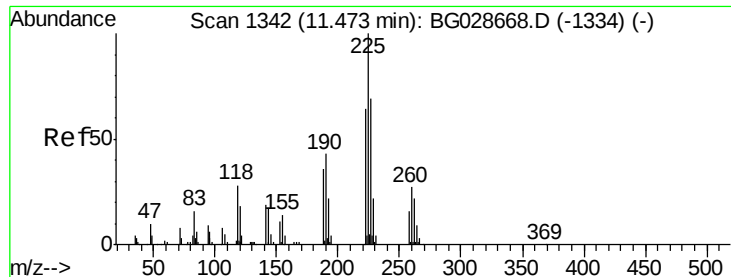
Tot Ion:122 Resp: 1221  
Ion Ratio Lower Upper  
122 100  
105 69.9 120.1 160.1#  
77 74.6 104.6 144.6#



#33  
4-Chloroaniline  
Concen: 5.03 ng  
RT: 11.23 min Scan# 1301  
Delta R.T. -0.07 min  
Lab File: BG029006.D  
Acq: 3 Oct 2017 15:27

Tgt Ion:127 Resp: 15487  
Ion Ratio Lower Upper  
127 100  
129 39.0 23.6 35.4#  
65 31.6 37.7 56.5#  
92 20.5 17.6 26.4





#34

Hexachlorobutadiene

Concen: 5.10 ng

RT: 11.38 min Scan# 1326

Delta R.T. -0.09 min

Lab File: BG029006.D

Acq: 3 Oct 2017 15:27

Instrument :

BNA\_G

ClientSampleId :

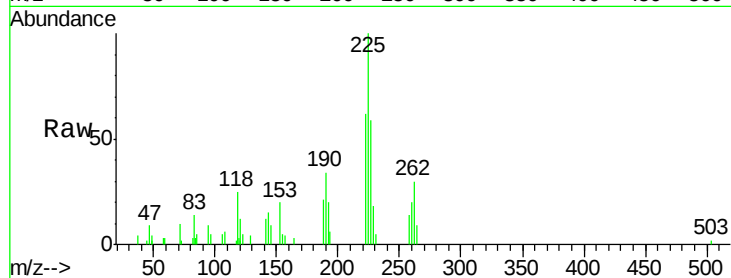
Tot Ion:225 Resp: 10819

Ion Ratio Lower Upper

225 100

223 61.6 50.7 76.1

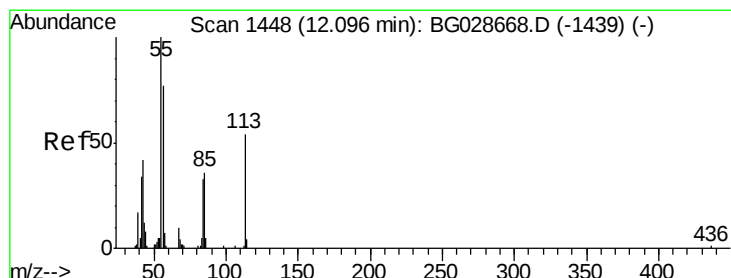
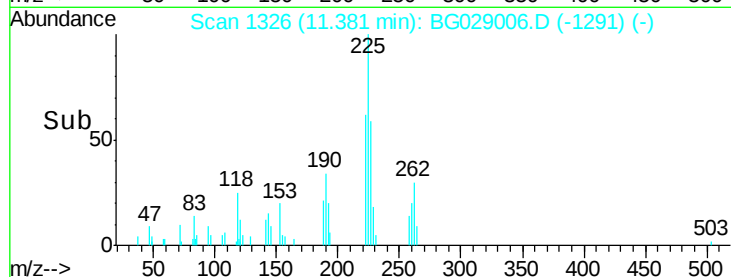
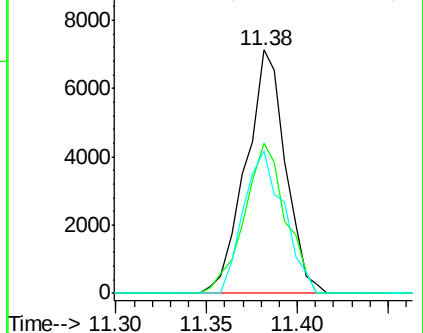
227 58.7 49.0 73.6



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: 4.77 ng

RT: 11.99 min Scan# 1430

Delta R.T. -0.10 min

Lab File: BG029006.D

Acq: 3 Oct 2017 15:27

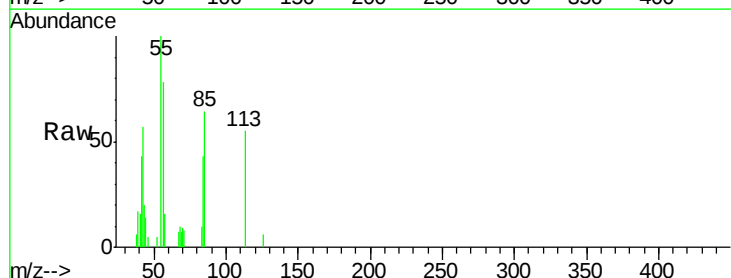
Tgt Ion:113 Resp: 4318

Ion Ratio Lower Upper

113 100

55 181.8 198.6 238.6#

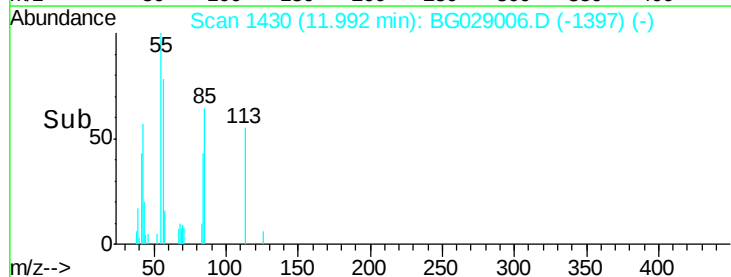
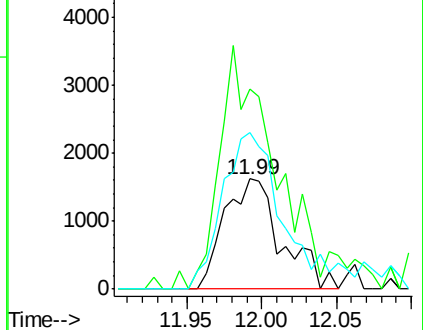
56 141.7 140.4 180.4

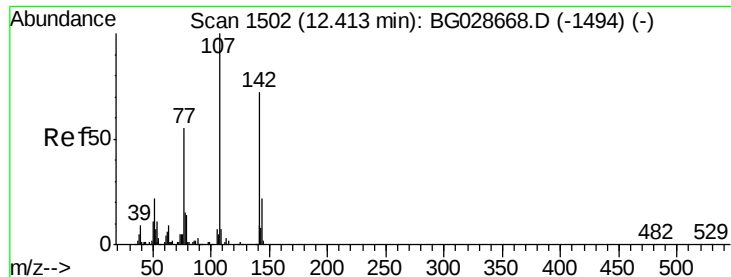


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC

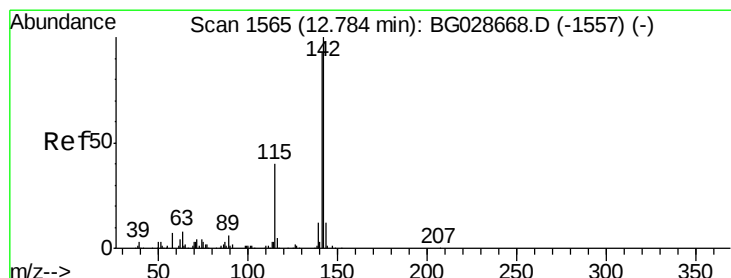
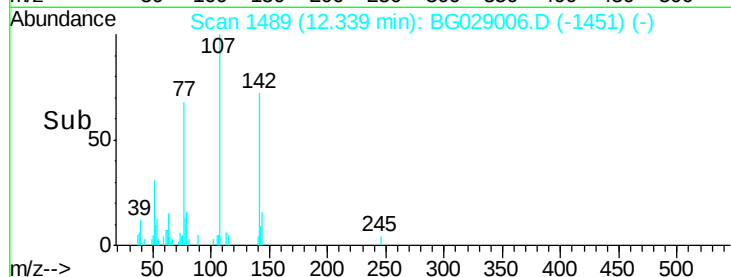
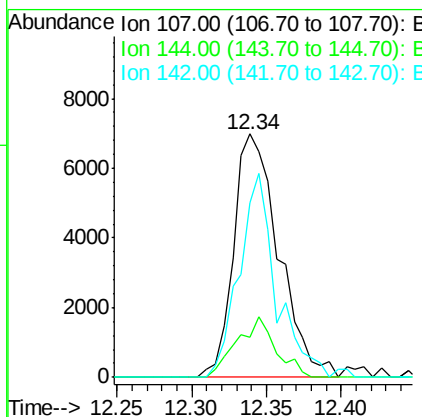
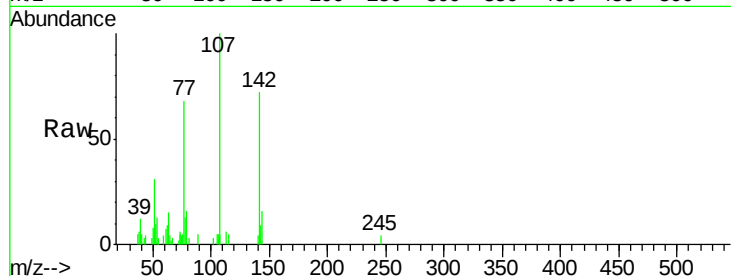




#36  
 4-Chloro-3-methylphenol  
 Concen: 4.47 ng  
 RT: 12.34 min Scan# 1489  
 Delta R.T. -0.07 min  
 Lab File: BG029006.D  
 Acq: 3 Oct 2017 15:27

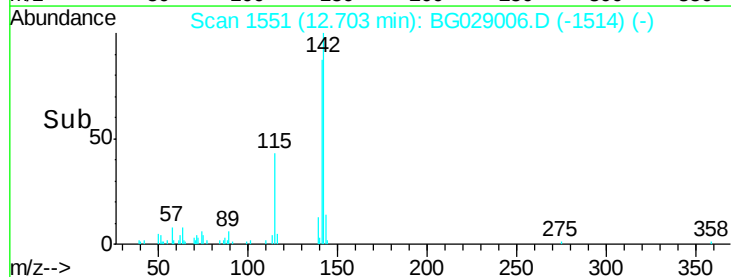
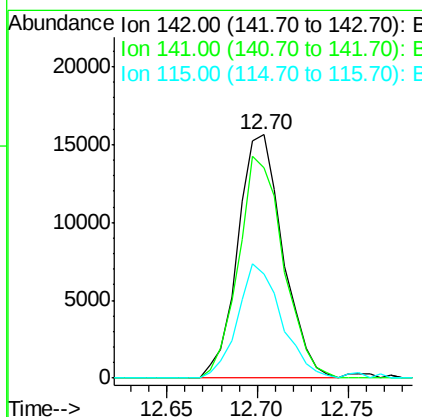
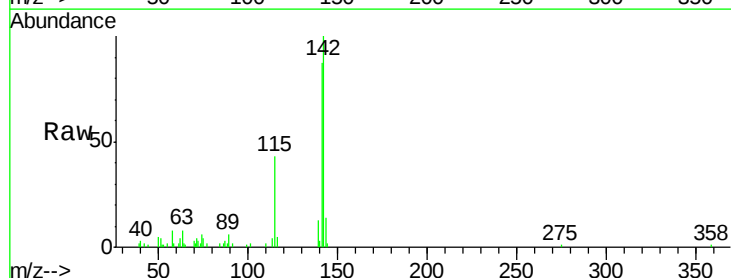
Instrument :  
 BNA\_G  
 ClientSampleId :

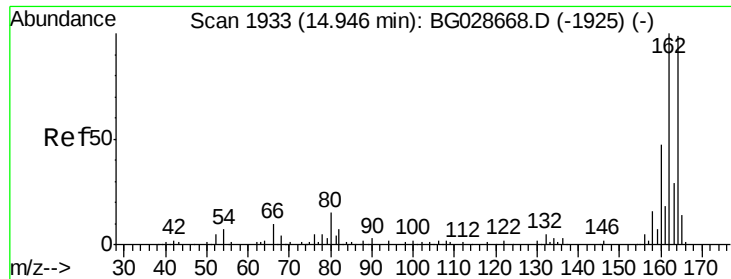
Tot Ion:107 Resp: 14664  
 Ion Ratio Lower Upper  
 107 100  
 144 16.4 17.4 26.0#  
 142 71.7 54.1 81.1



#37  
 2-Methylnaphthalene  
 Concen: 4.92 ng  
 RT: 12.70 min Scan# 1551  
 Delta R.T. -0.08 min  
 Lab File: BG029006.D  
 Acq: 3 Oct 2017 15:27

Tgt Ion:142 Resp: 27035  
 Ion Ratio Lower Upper  
 142 100  
 141 86.6 70.4 105.6  
 115 42.6 35.5 53.3





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.87 min Scan# 1919

Delta R.T. -0.08 min

Lab File: BG029006.D

Acq: 3 Oct 2017 15:27

Instrument :

BNA\_G

ClientSampleId :

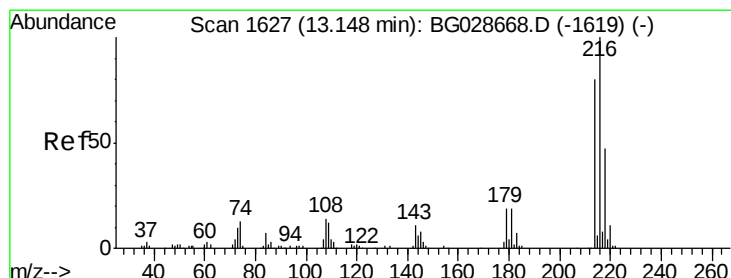
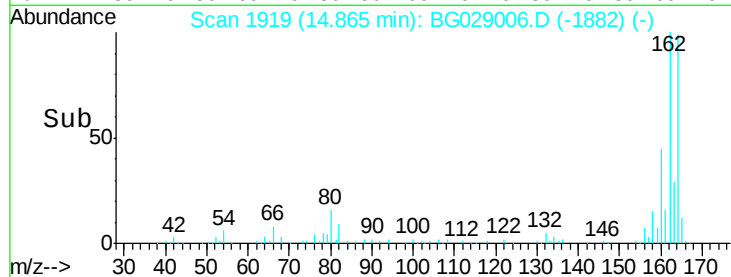
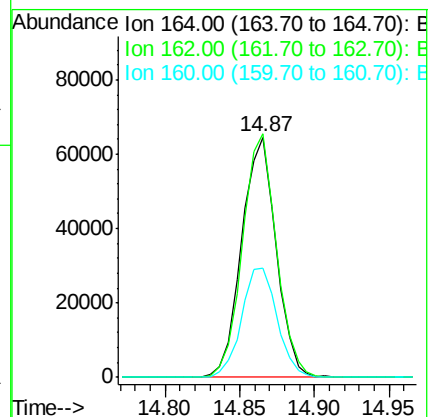
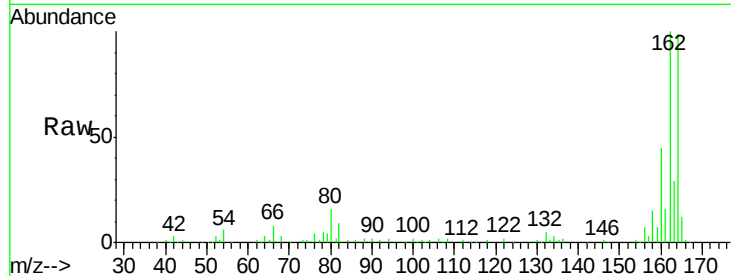
Tot Ion:164 Resp: 102923

Ion Ratio Lower Upper

164 100

162 101.3 85.1 127.7

160 45.4 34.7 52.1



#39

1,2,4,5-Tetrachlorobenzene

Concen: 5.10 ng

RT: 13.07 min Scan# 1613

Delta R.T. -0.08 min

Lab File: BG029006.D

Acq: 3 Oct 2017 15:27

Tgt Ion:216 Resp: 21587

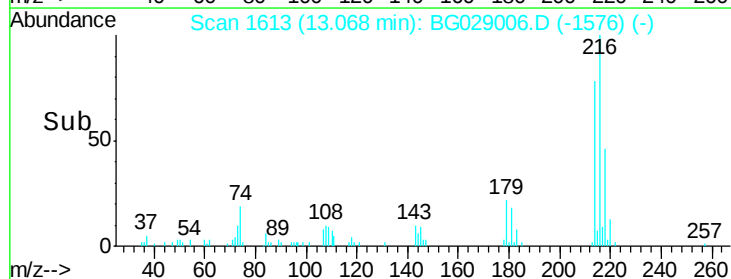
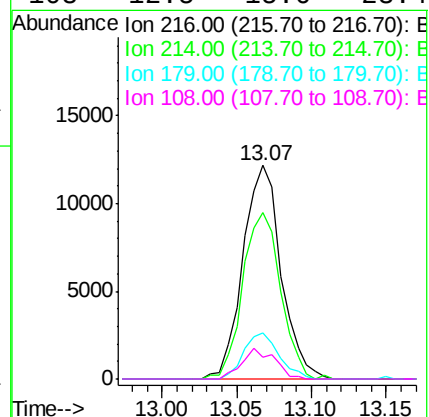
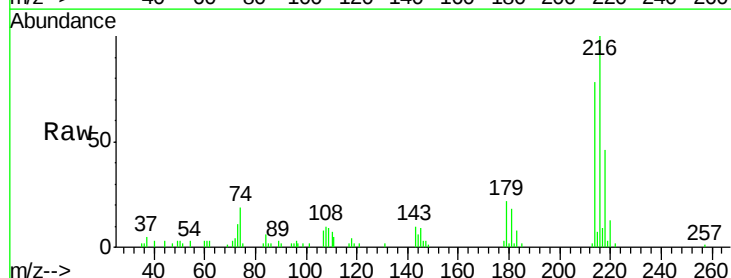
Ion Ratio Lower Upper

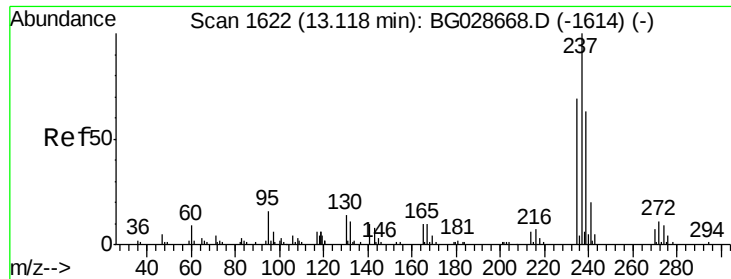
216 100

214 77.3 64.4 96.6

179 20.0 17.4 26.0

108 12.5 15.6 23.4#

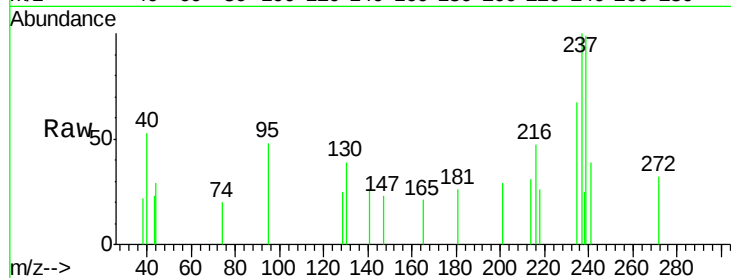




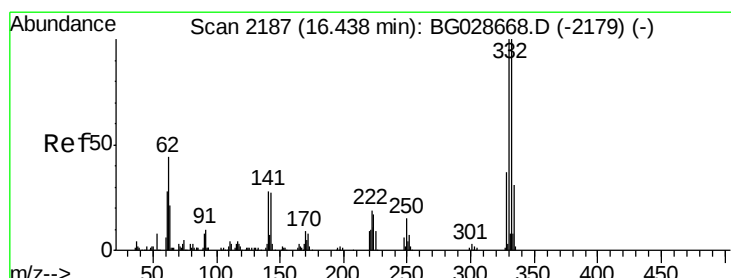
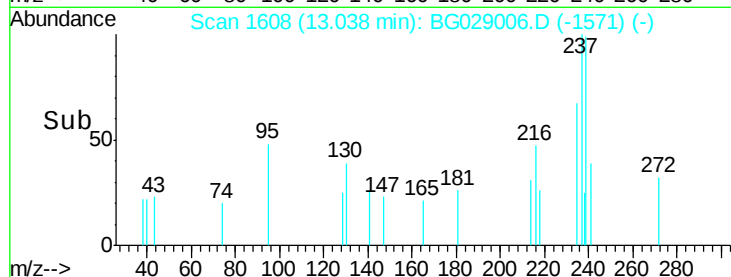
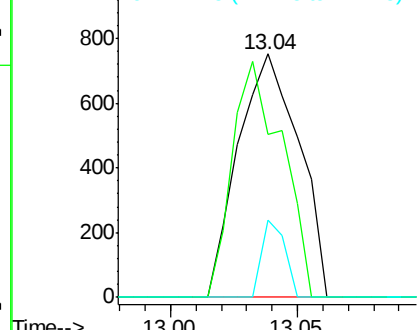
#40  
Hexachlorocyclopentadiene  
Concen: 8.29 ng  
RT: 13.04 min Scan# 1608  
Delta R.T. -0.08 min  
Lab File: BG029006.D  
Acq: 3 Oct 2017 15:27

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:237 Resp: 1254  
Ion Ratio Lower Upper  
237 100  
235 66.9 39.4 79.4  
272 31.7 0.0 32.0

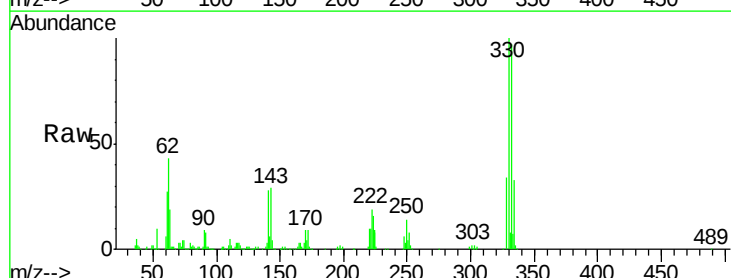


Abundance Ion 236.80 (236.50 to 237.50): E  
Ion 234.90 (234.60 to 235.60): E  
Ion 271.75 (271.45 to 272.45): E

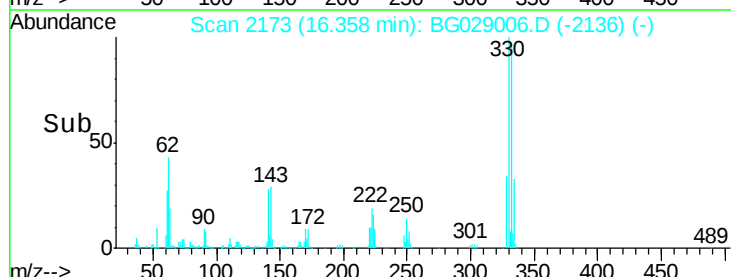
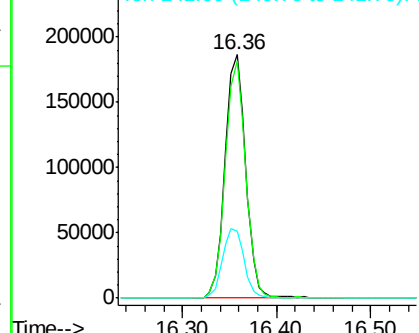


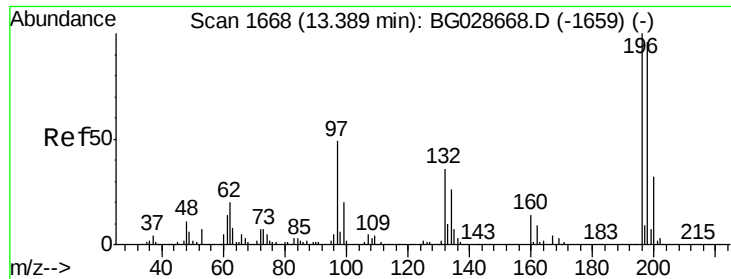
#41  
2,4,6-Tribromophenol  
Concen: 168.83 ng  
RT: 16.36 min Scan# 2173  
Delta R.T. -0.08 min  
Lab File: BG029006.D  
Acq: 3 Oct 2017 15:27

Tgt Ion:330 Resp: 287390  
Ion Ratio Lower Upper  
330 100  
332 96.0 77.3 115.9  
141 29.7 32.1 48.1#



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

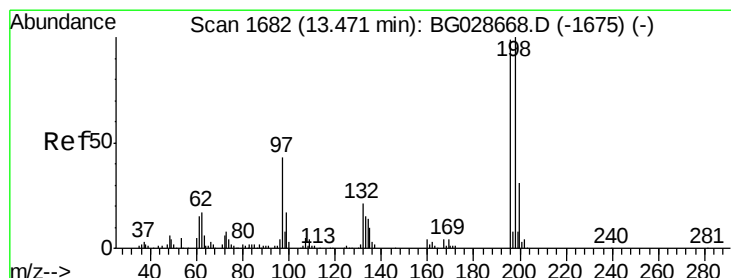
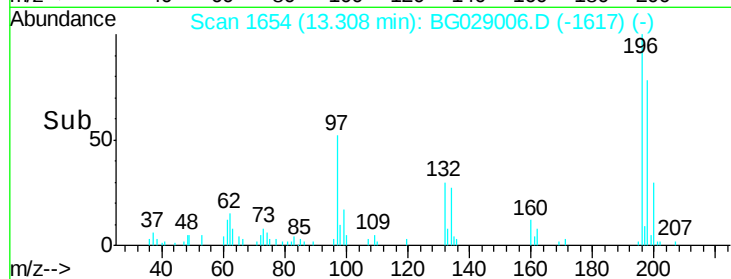
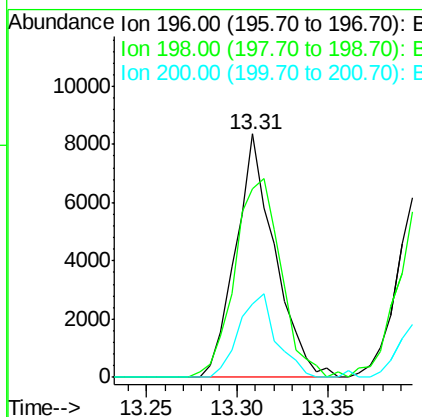
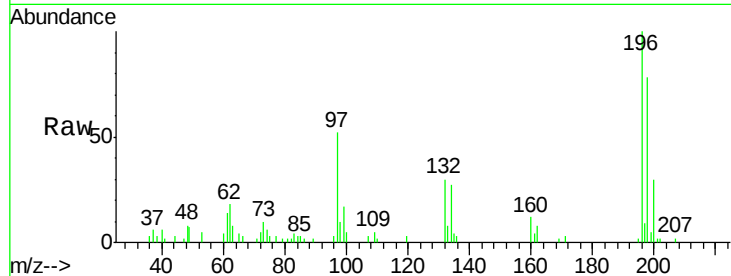




#42  
 2,4,6-Trichlorophenol  
 Concen: 4.66 ng  
 RT: 13.31 min Scan# 1654  
 Delta R.T. -0.08 min  
 Lab File: BG029006.D  
 Acq: 3 Oct 2017 15:27

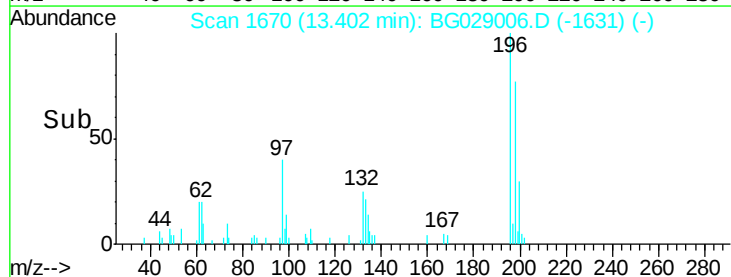
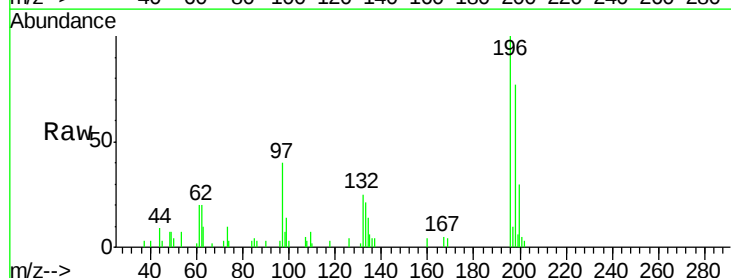
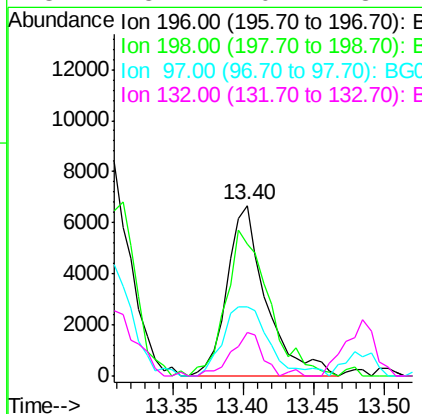
Instrument :  
 BNA\_G  
 ClientSampleId :

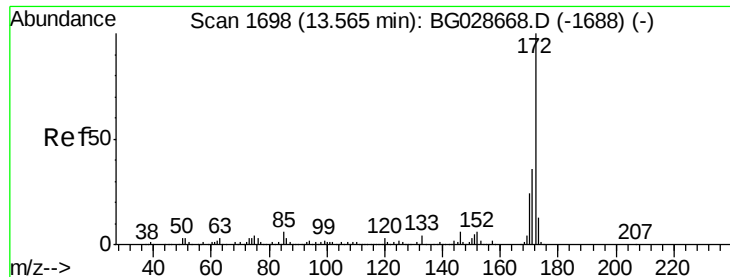
Tot Ion:196 Resp: 12507  
 Ion Ratio Lower Upper  
 196 100  
 198 77.6 81.4 122.2#  
 200 30.1 27.0 40.6



#43  
 2,4,5-Trichlorophenol  
 Concen: 4.76 ng  
 RT: 13.40 min Scan# 1670  
 Delta R.T. -0.07 min  
 Lab File: BG029006.D  
 Acq: 3 Oct 2017 15:27

Tgt Ion:196 Resp: 12848  
 Ion Ratio Lower Upper  
 196 100  
 198 76.9 79.9 119.9#  
 97 40.4 45.4 68.0#  
 132 25.4 20.7 31.1

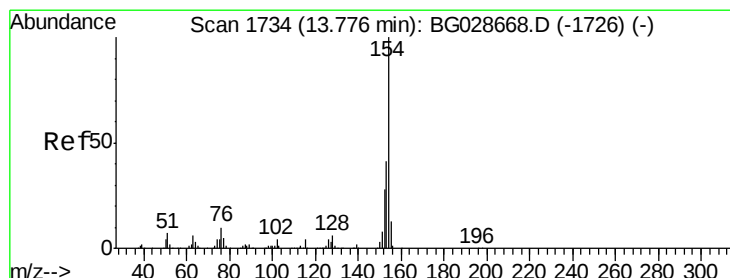
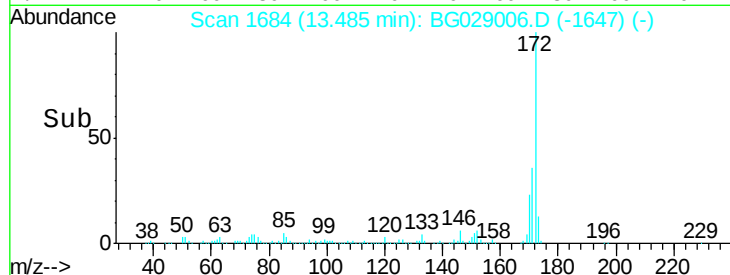
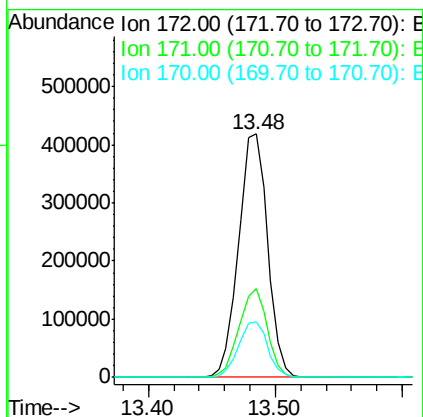
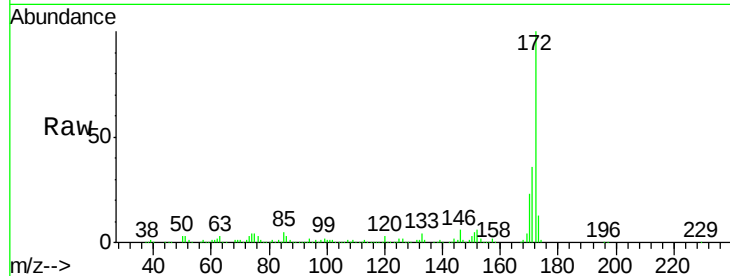




#44  
2-Fluorobiphenyl  
Concen: 85.92 ng  
RT: 13.48 min Scan# 1684  
Delta R.T. -0.08 min  
Lab File: BG029006.D  
Acq: 3 Oct 2017 15:27

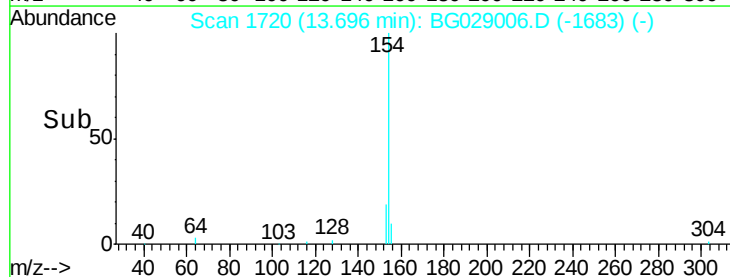
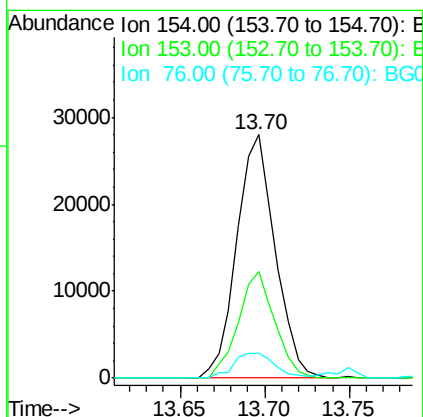
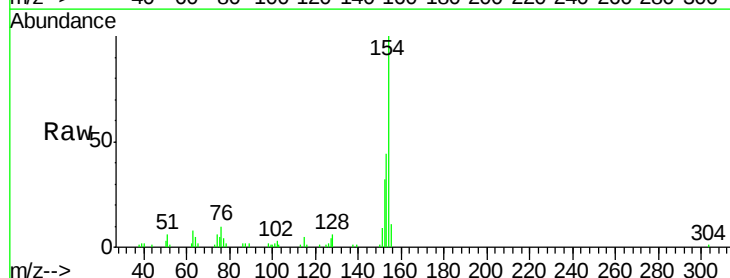
Instrument :  
BNA\_G  
ClientSampleId :

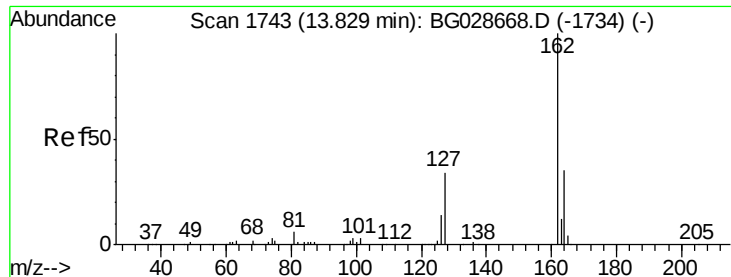
Tot Ion:172 Resp: 663222  
Ion Ratio Lower Upper  
172 100  
171 36.4 32.2 48.2  
170 22.8 21.8 32.6



#45  
1,1'-Biphenyl  
Concen: 5.20 ng  
RT: 13.70 min Scan# 1720  
Delta R.T. -0.08 min  
Lab File: BG029006.D  
Acq: 3 Oct 2017 15:27

Tgt Ion:154 Resp: 44348  
Ion Ratio Lower Upper  
154 100  
153 43.8 23.0 63.0  
76 10.2 0.0 33.5

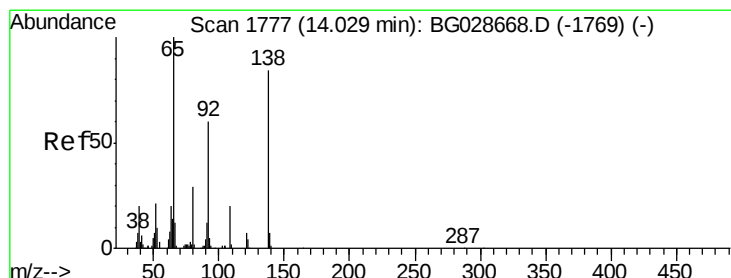
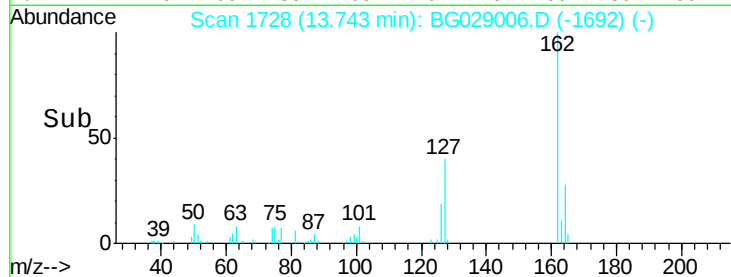
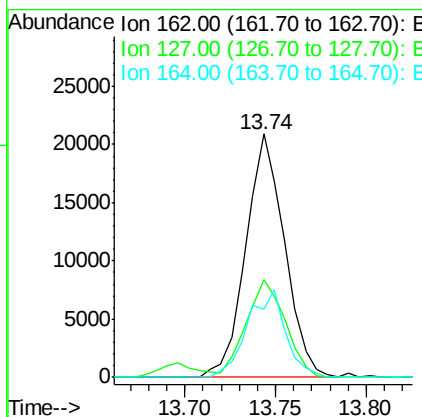
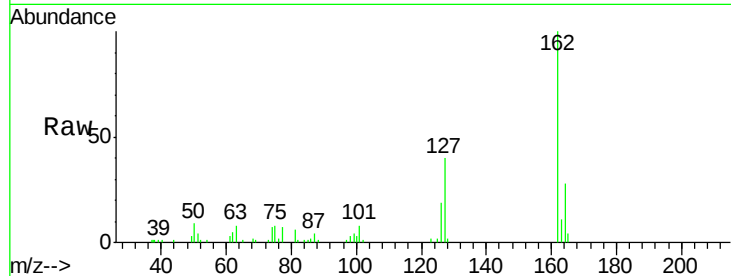




#46  
2-Chloronaphthalene  
Concen: 5.03 ng  
RT: 13.74 min Scan# 1728  
Delta R.T. -0.09 min  
Lab File: BG029006.D  
Acq: 3 Oct 2017 15:27

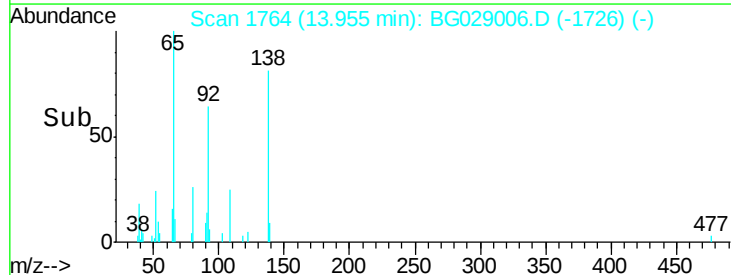
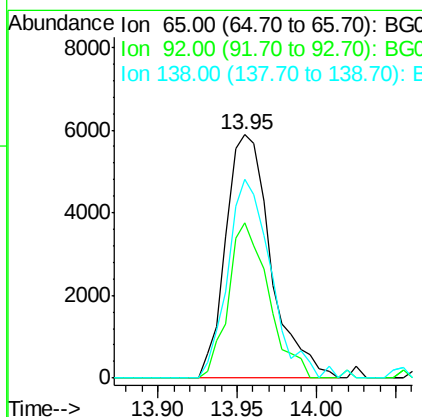
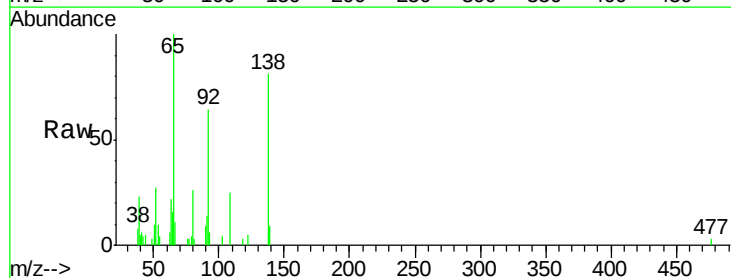
Instrument :  
BNA\_G  
ClientSampled :

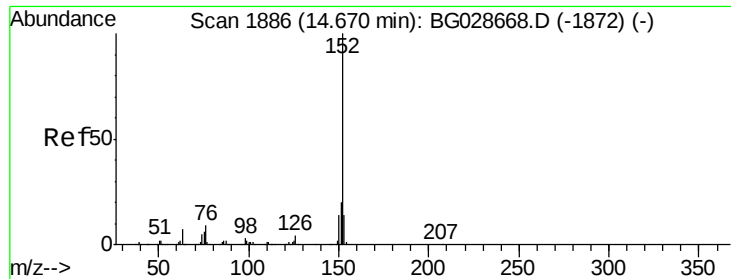
Tot Ion: 162 Resp: 31251  
Ion Ratio Lower Upper  
162 100  
127 40.0 32.2 48.4  
164 27.8 27.3 40.9



#47  
2-Nitroaniline  
Concen: 5.03 ng  
RT: 13.95 min Scan# 1764  
Delta R.T. -0.07 min  
Lab File: BG029006.D  
Acq: 3 Oct 2017 15:27

Tgt Ion: 65 Resp: 11609  
Ion Ratio Lower Upper  
65 100  
92 63.6 49.0 73.4  
138 81.5 58.6 87.8





#48

Acenaphthylene

Concen: 5.16 ng

RT: 14.58 min Scan# 1871

Delta R.T. -0.09 min

Lab File: BG029006.D

Acq: 3 Oct 2017 15:27

Instrument :

BNA\_G

ClientSampleId :

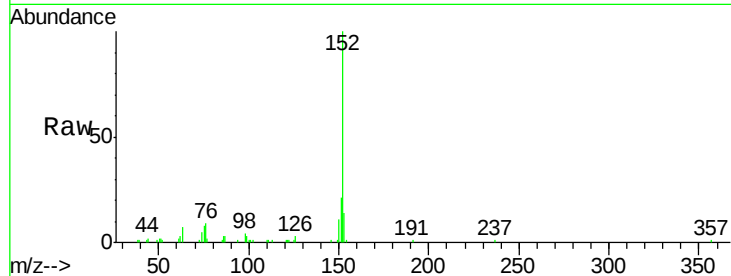
Tot Ion:152 Resp: 51229

Ion Ratio Lower Upper

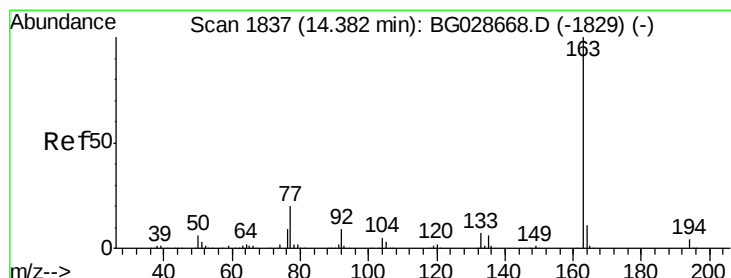
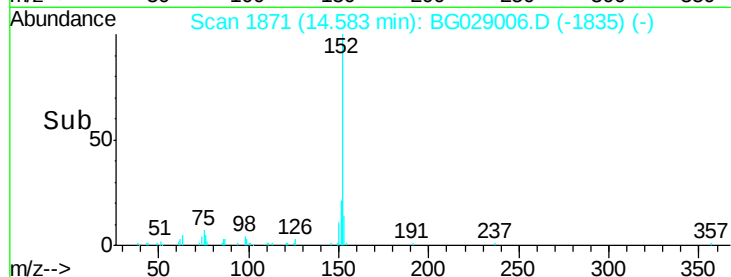
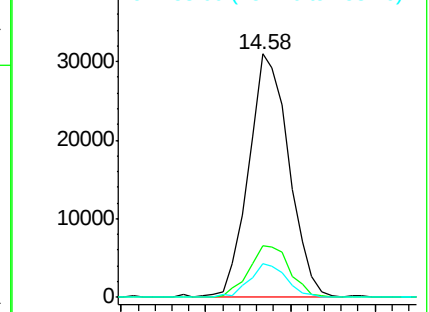
152 100

151 21.0 18.2 27.2

153 13.9 11.3 16.9



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



#49

Dimethylphthalate

Concen: 5.16 ng

RT: 14.30 min Scan# 1823

Delta R.T. -0.08 min

Lab File: BG029006.D

Acq: 3 Oct 2017 15:27

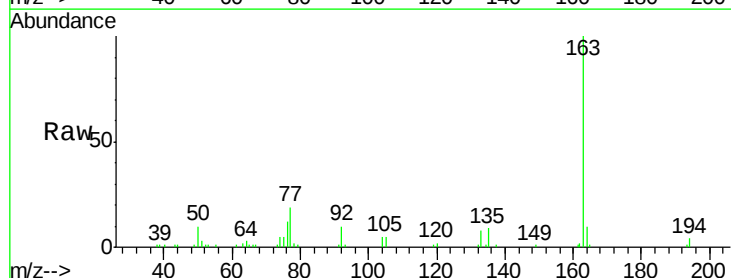
Tgt Ion:163 Resp: 44499

Ion Ratio Lower Upper

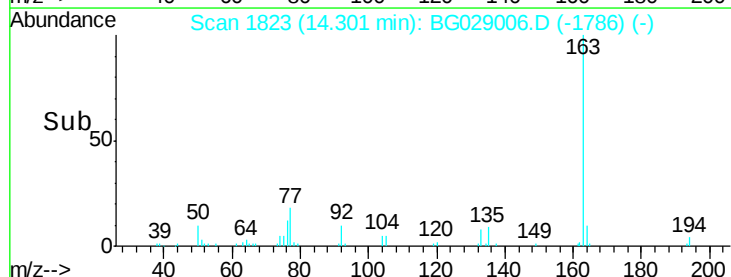
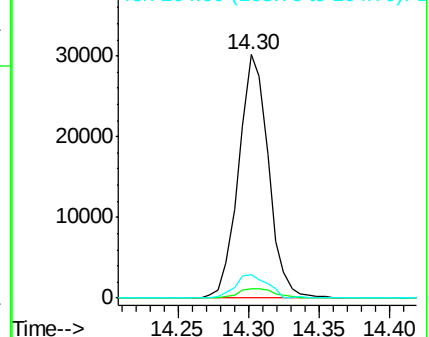
163 100

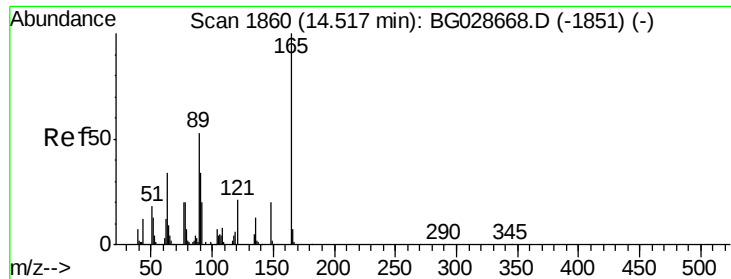
194 3.8 3.8 5.6

164 9.6 9.3 13.9



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

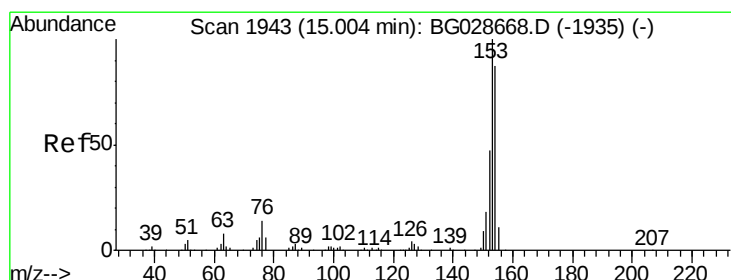
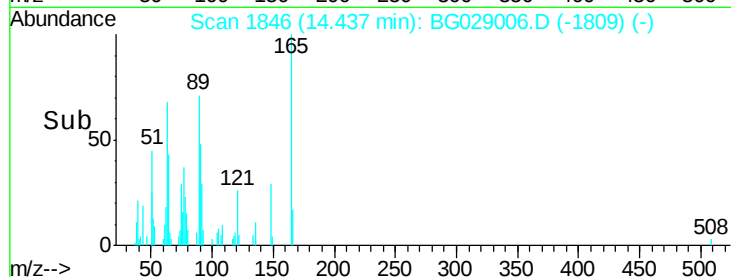
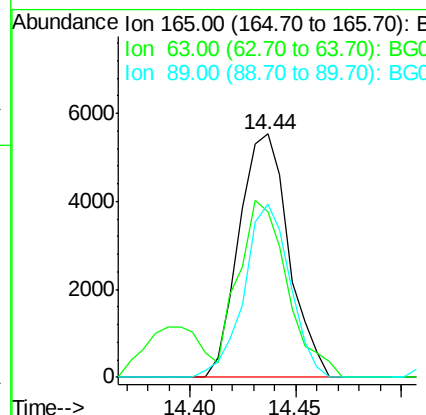
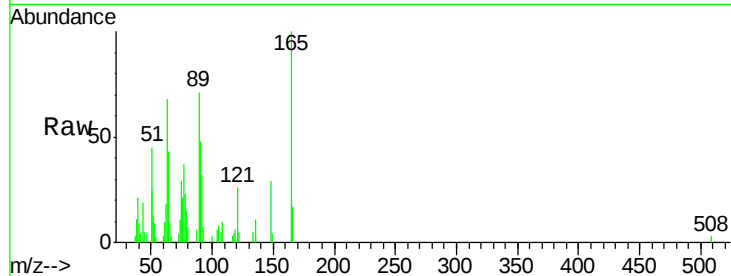




#50  
2,6-Dinitrotoluene  
Concen: 4.70 ng  
RT: 14.44 min Scan# 1846  
Delta R.T. -0.08 min  
Lab File: BG029006.D  
Acq: 3 Oct 2017 15:27

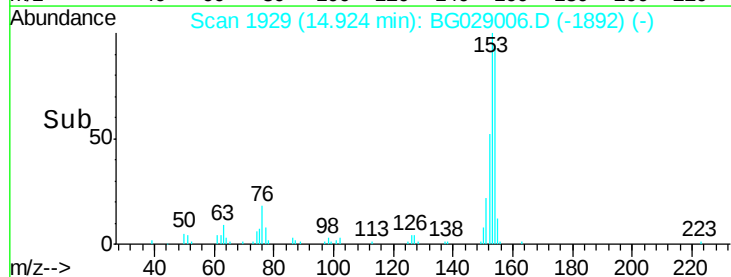
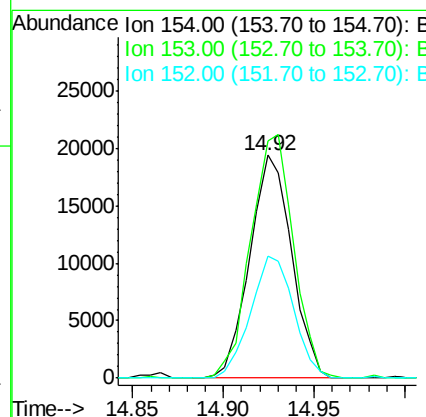
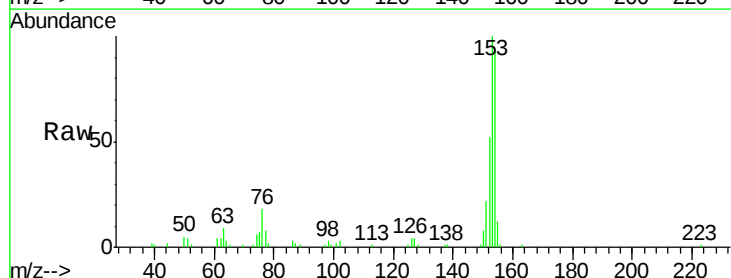
Instrument :  
BNA\_G  
ClientSampleId :

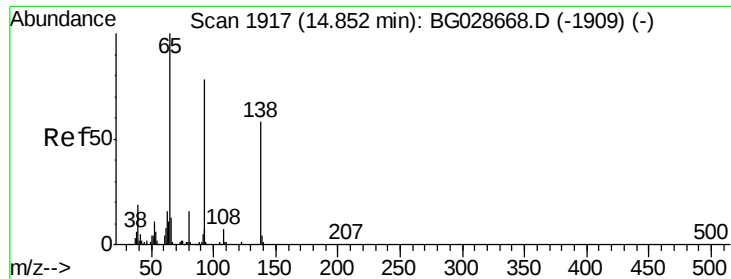
Tot Ion:165 Resp: 9018  
Ion Ratio Lower Upper  
165 100  
63 67.8 63.9 95.9  
89 71.4 58.6 88.0



#51  
Acenaphthene  
Concen: 5.17 ng  
RT: 14.92 min Scan# 1929  
Delta R.T. -0.08 min  
Lab File: BG029006.D  
Acq: 3 Oct 2017 15:27

Tgt Ion:154 Resp: 31162  
Ion Ratio Lower Upper  
154 100  
153 106.4 87.8 131.6  
152 54.9 42.2 63.4

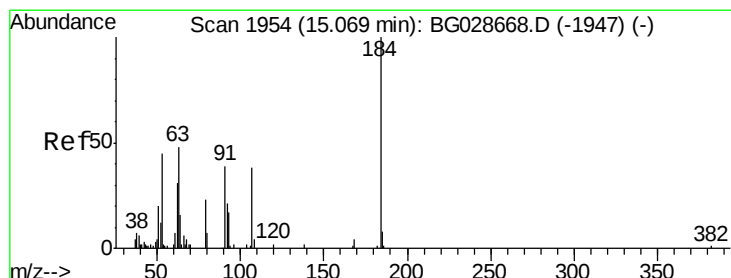
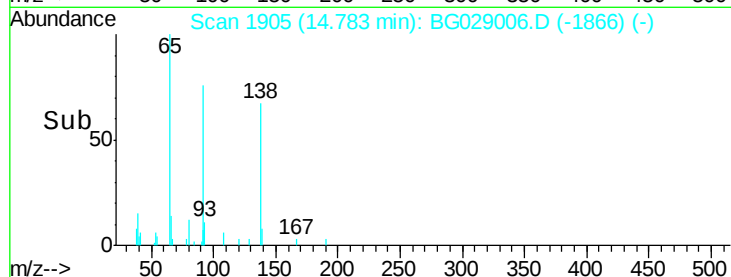
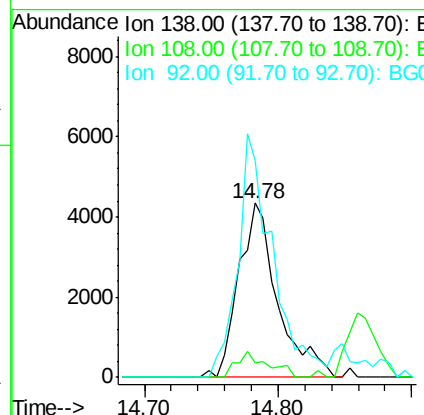
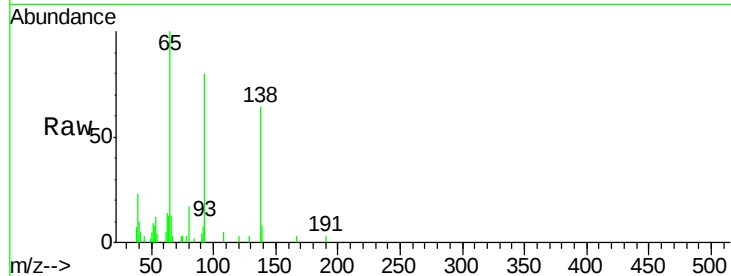




#52  
3-Nitroaniline  
Concen: 5.14 ng  
RT: 14.78 min Scan# 1905  
Delta R.T. -0.07 min  
Lab File: BG029006.D  
Acq: 3 Oct 2017 15:27

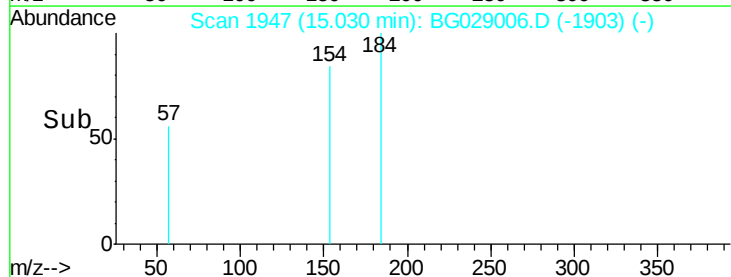
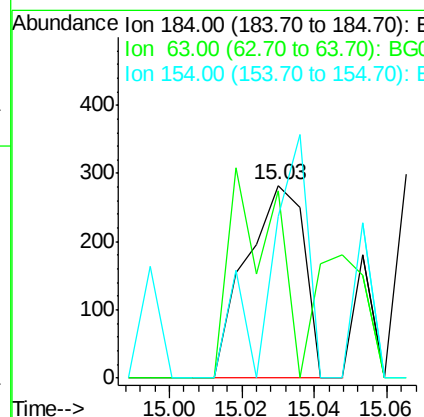
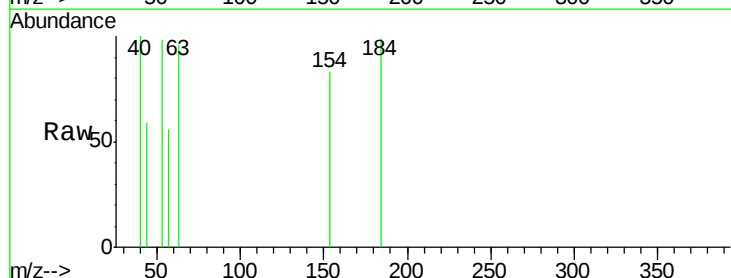
Instrument :  
BNA\_G  
ClientSampleId :

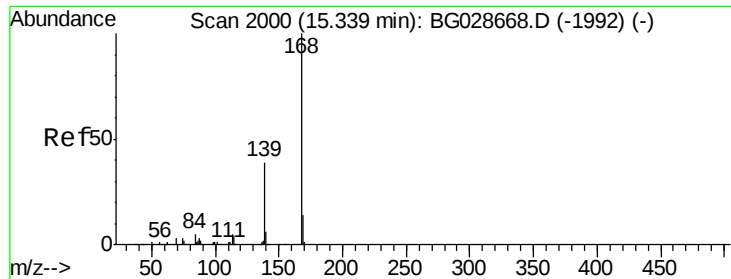
Tot Ion:138 Resp: 8737  
Ion Ratio Lower Upper  
138 100  
108 8.2 10.9 16.3#  
92 124.4 115.3 172.9



#53  
2,4-Dinitrophenol  
Concen: 8.28 ng  
RT: 15.03 min Scan# 1947  
Delta R.T. -0.04 min  
Lab File: BG029006.D  
Acq: 3 Oct 2017 15:27

Tgt Ion:184 Resp: 312  
Ion Ratio Lower Upper  
184 100  
63 96.8 52.7 79.1#  
154 83.7 57.3 85.9

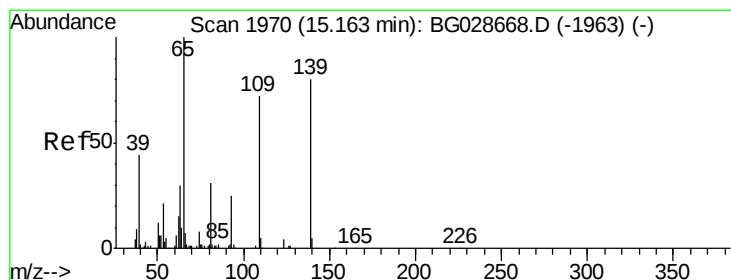
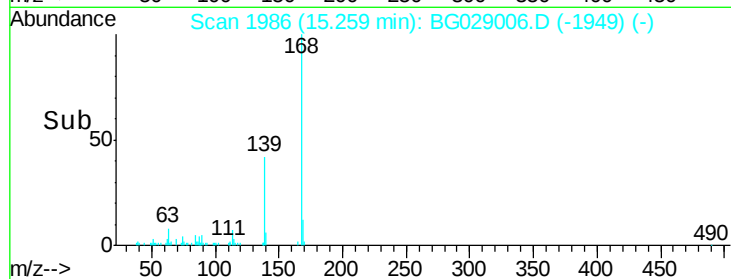
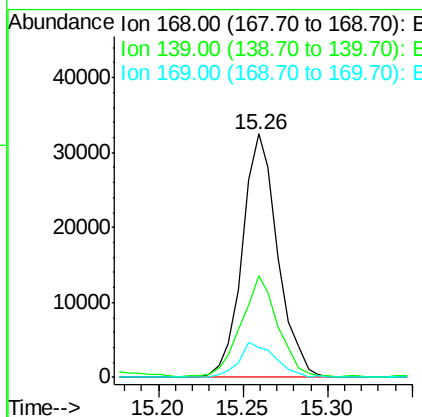
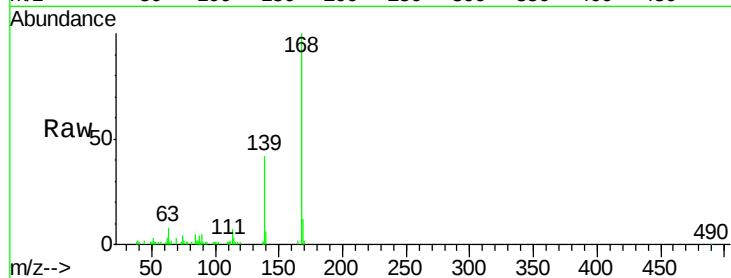




#54  
Dibenzenofuran  
Concen: 4.93 ng  
RT: 15.26 min Scan# 1986  
Delta R.T. -0.08 min  
Lab File: BG029006.D  
Acq: 3 Oct 2017 15:27

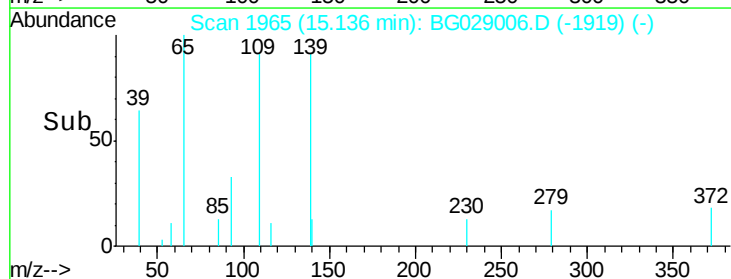
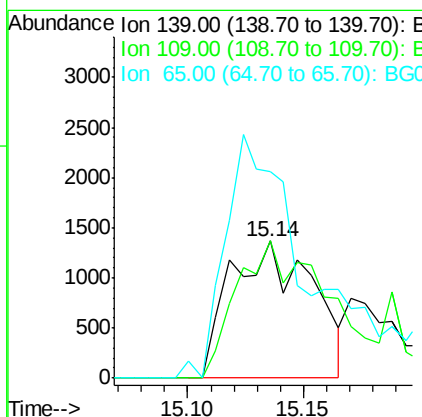
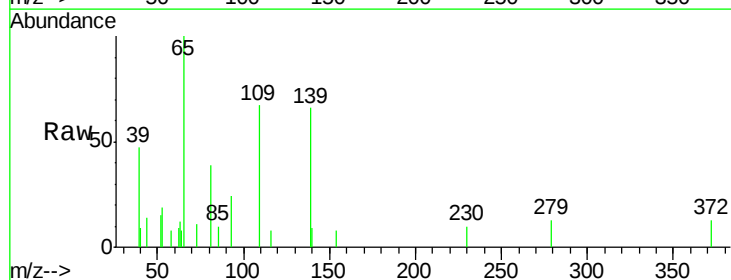
Instrument :  
BNA\_G  
ClientSampleId :

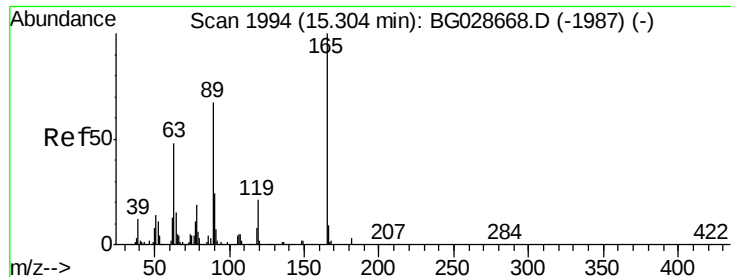
Tot Ion:168 Resp: 47385  
Ion Ratio Lower Upper  
168 100  
139 41.8 35.3 52.9  
169 12.5 11.5 17.3



#55  
4-Nitrophenol  
Concen: 2.70 ng  
RT: 15.14 min Scan# 1965  
Delta R.T. -0.03 min  
Lab File: BG029006.D  
Acq: 3 Oct 2017 15:27

Tgt Ion:139 Resp: 3356  
Ion Ratio Lower Upper  
139 100  
109 100.6 101.2 141.2#  
65 150.5 135.3 175.3

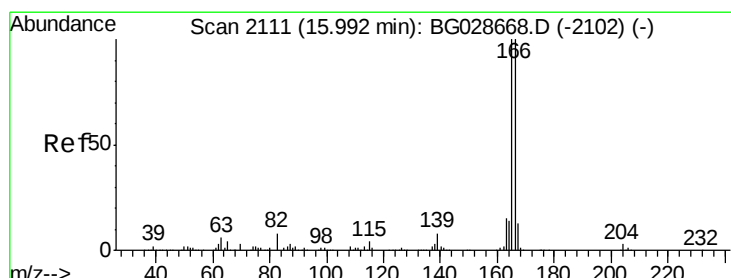
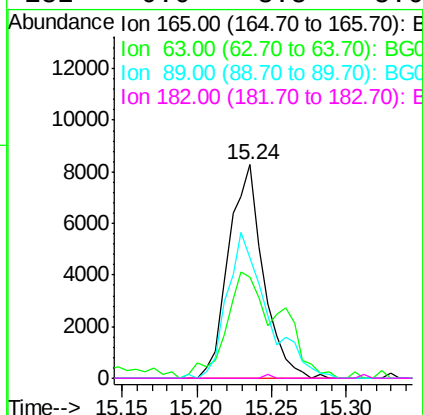
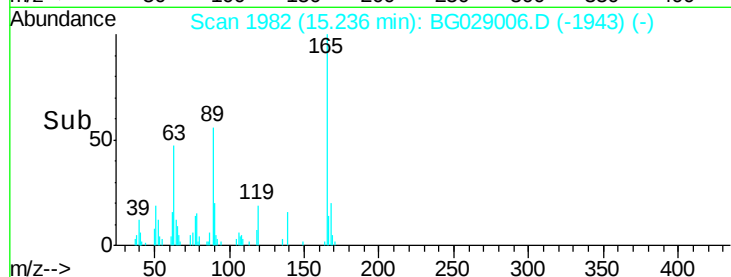
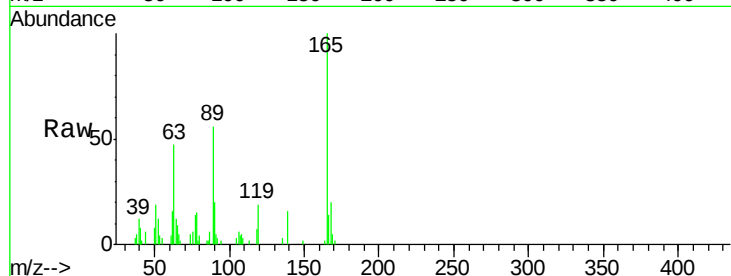




#56  
2,4-Dinitrotoluene  
Concen: 4.98 ng  
RT: 15.24 min Scan# 1982  
Delta R.T. -0.07 min  
Lab File: BG029006.D  
Acq: 3 Oct 2017 15:27

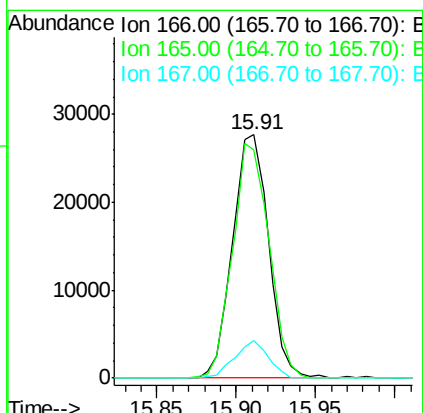
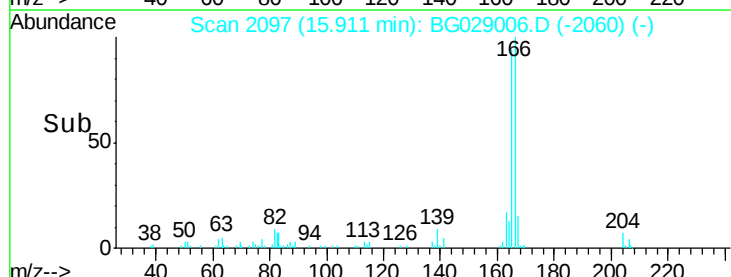
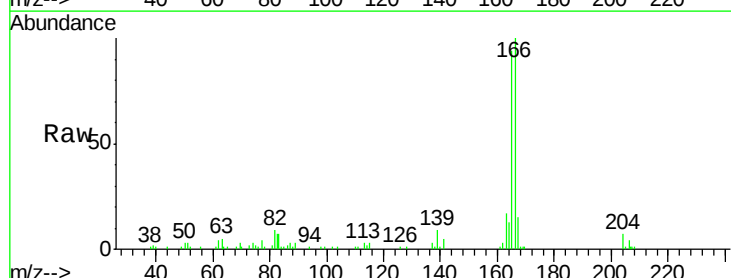
Instrument :  
BNA\_G  
ClientSampleId :

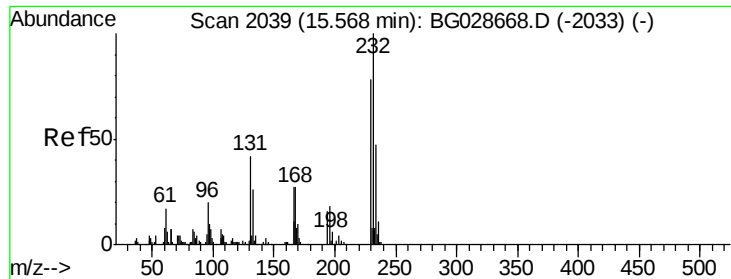
Tot Ion:165 Resp: 13437  
Ion Ratio Lower Upper  
165 100  
63 47.3 44.0 66.0  
89 56.1 67.3 100.9#  
182 0.0 3.8 5.6#



#57  
Fluorene  
Concen: 5.07 ng  
RT: 15.91 min Scan# 2097  
Delta R.T. -0.08 min  
Lab File: BG029006.D  
Acq: 3 Oct 2017 15:27

Tgt Ion:166 Resp: 43568  
Ion Ratio Lower Upper  
166 100  
165 93.5 78.6 117.8  
167 15.3 11.6 17.4

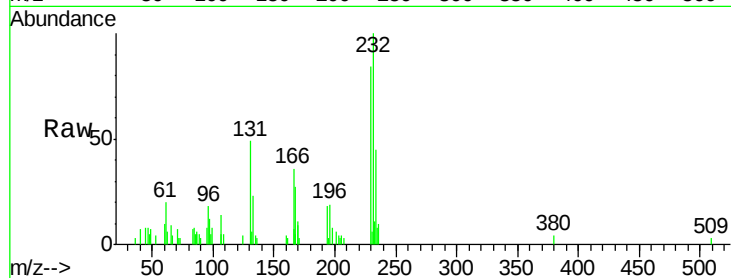




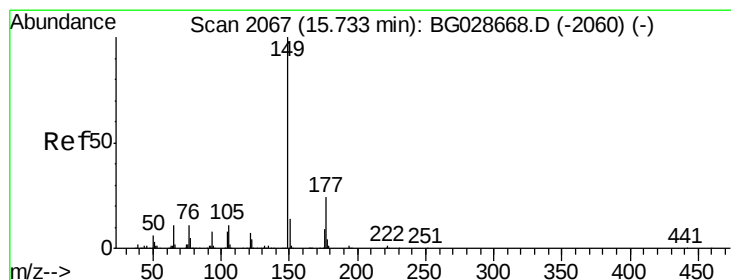
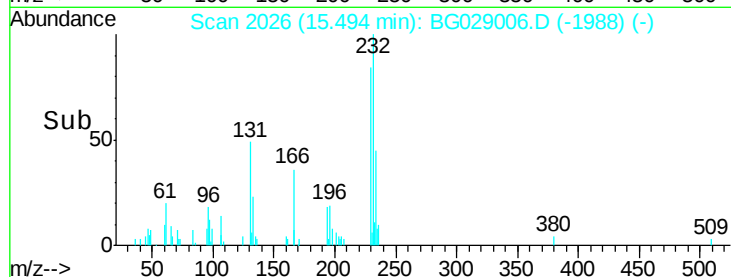
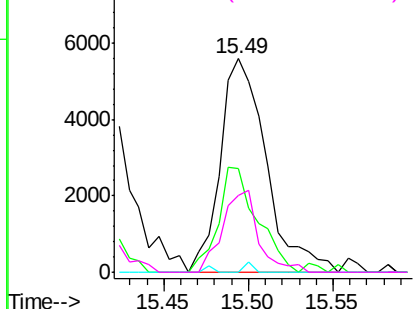
#58  
2,3,4,6-Tetrachlorophenol  
Concen: 4.46 ng  
RT: 15.49 min Scan# 2026  
Delta R.T. -0.07 min  
Lab File: BG029006.D  
Acq: 3 Oct 2017 15:27

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:232 Resp: 10619  
Ion Ratio Lower Upper  
232 100  
131 41.9 34.9 52.3  
130 0.9 2.3 3.5#  
166 29.9 24.2 36.4

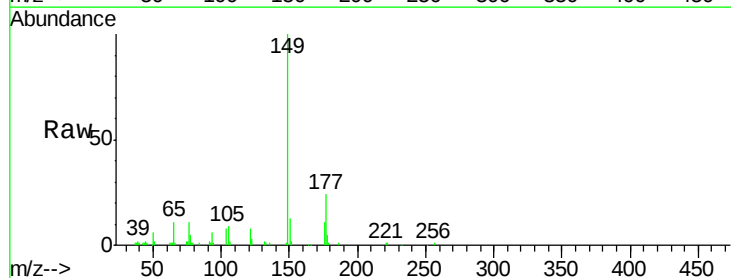


Abundance Ion 232.00 (231.70 to 232.70): E  
Ion 131.00 (130.70 to 131.70): E  
Ion 130.00 (129.70 to 130.70): E  
Ion 166.00 (165.70 to 166.70): E

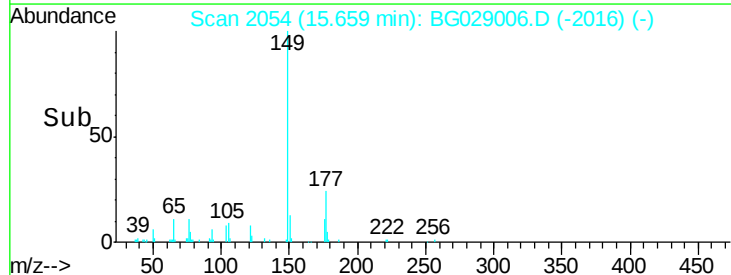
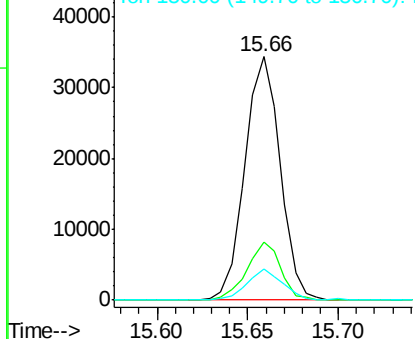


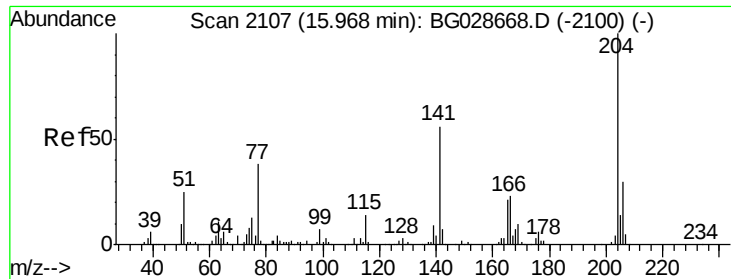
#59  
Diethylphthalate  
Concen: 5.24 ng  
RT: 15.66 min Scan# 2054  
Delta R.T. -0.07 min  
Lab File: BG029006.D  
Acq: 3 Oct 2017 15:27

Tgt Ion:149 Resp: 46476  
Ion Ratio Lower Upper  
149 100  
177 23.7 20.1 30.1  
150 13.0 10.2 15.2



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

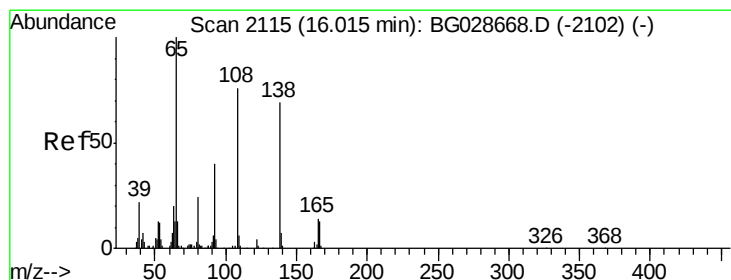
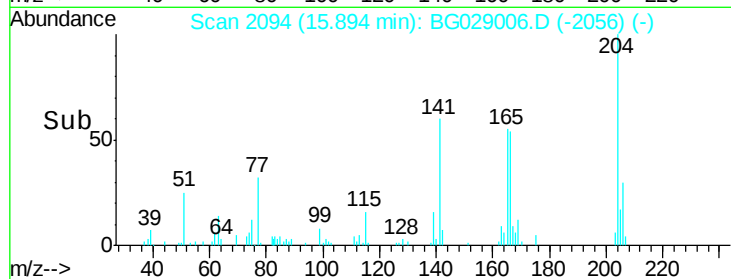
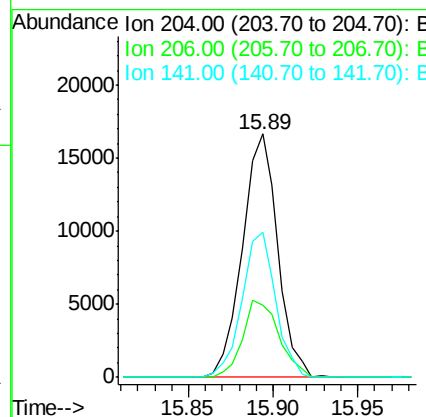
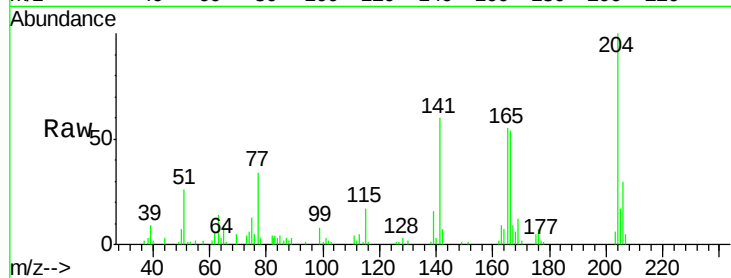




#60  
4-Chlorophenyl-phenylether  
Concen: 4.93 ng  
RT: 15.89 min Scan# 2094  
Delta R.T. -0.07 min  
Lab File: BG029006.D  
Acq: 3 Oct 2017 15:27

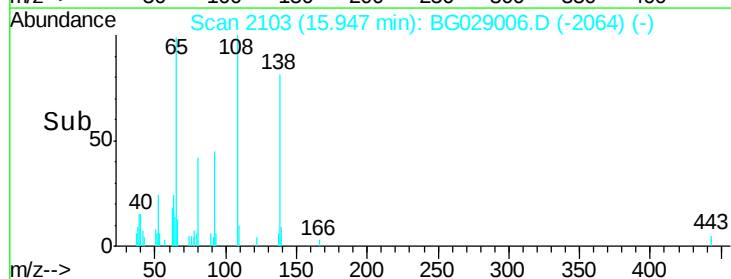
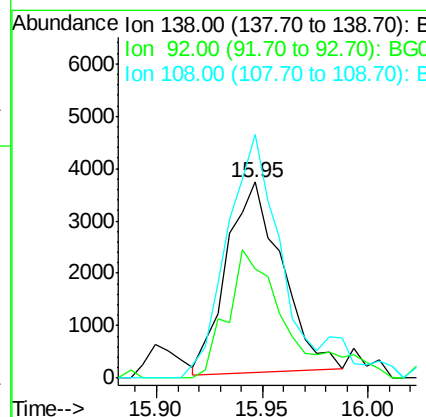
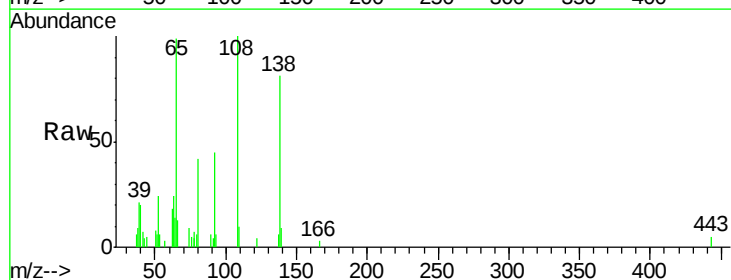
Instrument :  
BNA\_G  
ClientSampled :

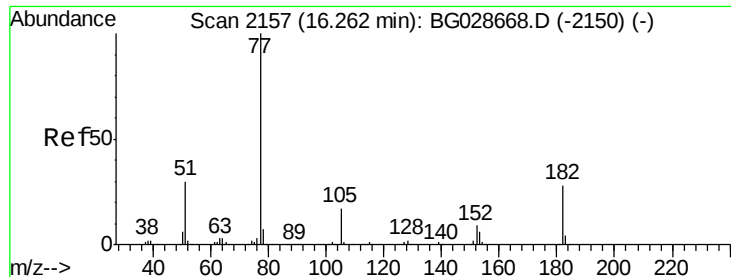
Tot Ion:204 Resp: 24113  
Ion Ratio Lower Upper  
204 100  
206 29.8 30.1 45.1#  
141 59.8 50.6 76.0



#61  
4-Nitroaniline  
Concen: 3.67 ng  
RT: 15.95 min Scan# 2103  
Delta R.T. -0.07 min  
Lab File: BG029006.D  
Acq: 3 Oct 2017 15:27

Tgt Ion:138 Resp: 6598  
Ion Ratio Lower Upper  
138 100  
92 56.0 44.2 84.2  
108 124.2 104.8 144.8





#62

Azobenzene

Concen: 5.33 ng

RT: 16.19 min Scan# 2144

Delta R.T. -0.07 min

Lab File: BG029006.D

Acq: 3 Oct 2017 15:27

Instrument :

BNA\_G

ClientSampleId :

Tot Ion: 77 Resp: 39788

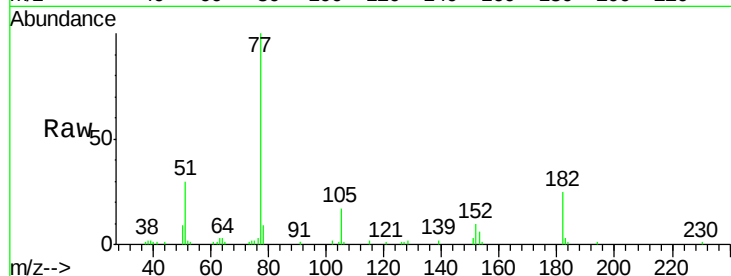
Ion Ratio Lower Upper

77 100

182 25.1 4.7 44.7

105 17.5 0.0 36.3

51 29.9 16.4 56.4

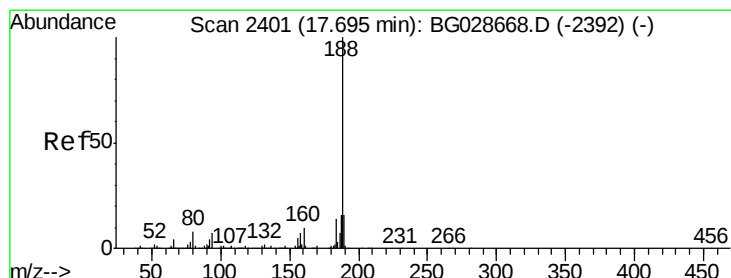
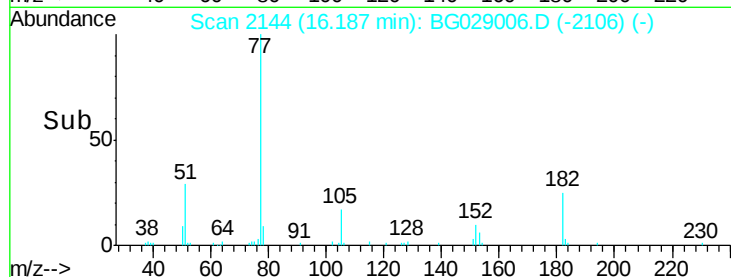
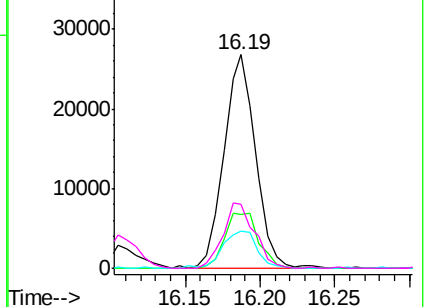


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.62 min Scan# 2387

Delta R.T. -0.08 min

Lab File: BG029006.D

Acq: 3 Oct 2017 15:27

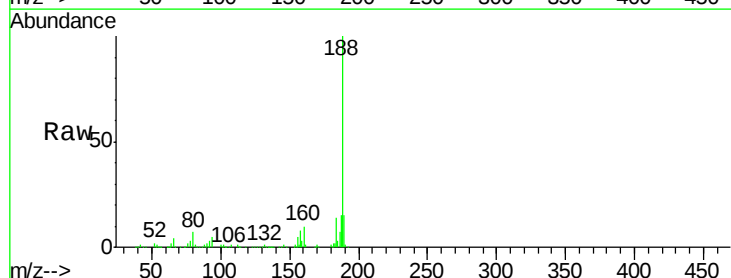
Tgt Ion: 188 Resp: 259891

Ion Ratio Lower Upper

188 100

94 4.9 5.8 8.8#

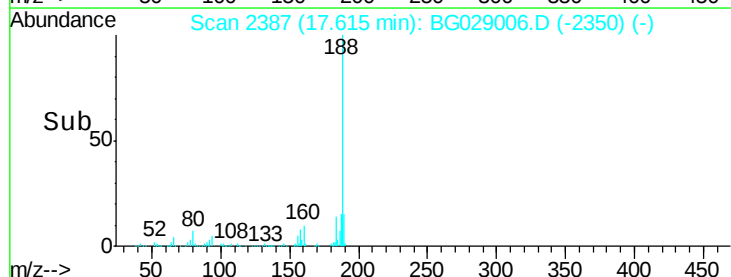
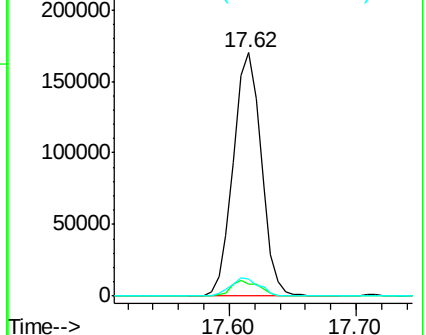
80 6.9 7.5 11.3#

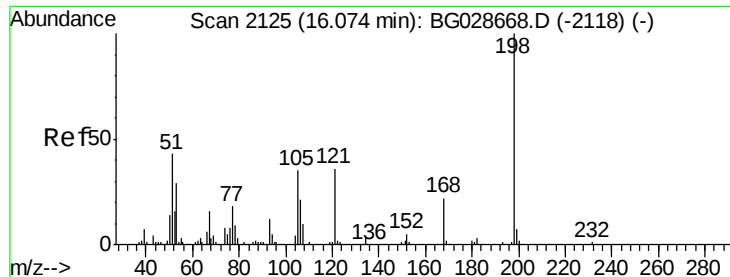


Abundance Ion 188.00 (187.70 to 188.70): BGC

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: 3.17 ng

RT: 16.01 min Scan# 2113

Delta R.T. -0.07 min

Lab File: BG029006.D

Acq: 3 Oct 2017 15:27

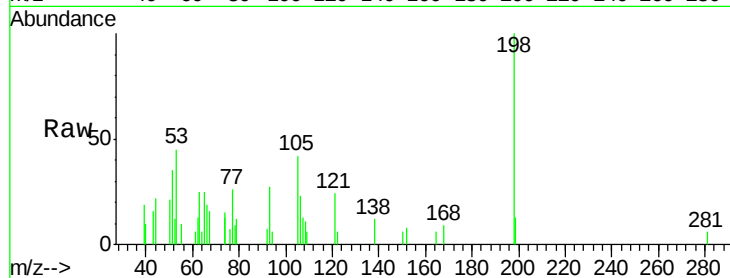
Instrument :

BNA\_G

ClientSampleId :

Tot Ion:198 Resp: 5323

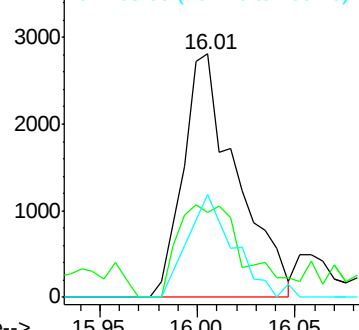
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 198 | 100   |       |       |
| 51  | 34.6  | 22.6  | 62.6  |
| 105 | 42.3  | 14.4  | 54.4  |



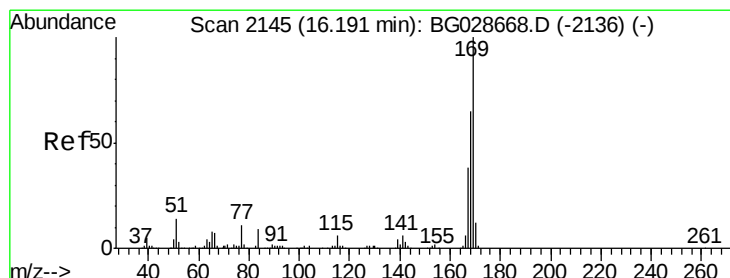
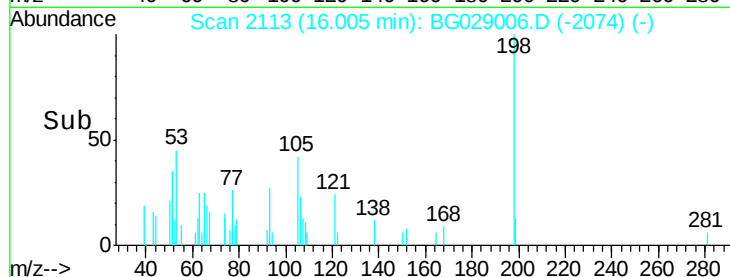
Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): B

Ion 105.00 (104.70 to 105.70): E



Time-->



#65

n-Nitrosodiphenylamine

Concen: 5.23 ng

RT: 16.11 min Scan# 2131

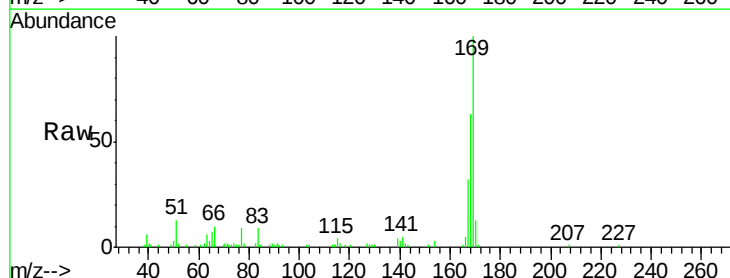
Delta R.T. -0.08 min

Lab File: BG029006.D

Acq: 3 Oct 2017 15:27

Tgt Ion:169 Resp: 38934

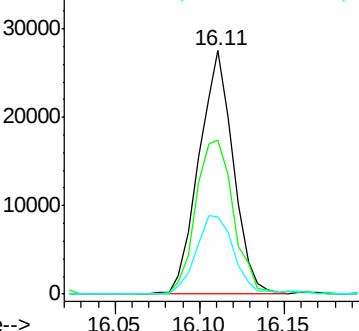
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 169 | 100   |       |       |
| 168 | 63.1  | 55.7  | 83.5  |
| 167 | 31.8  | 29.8  | 44.6  |



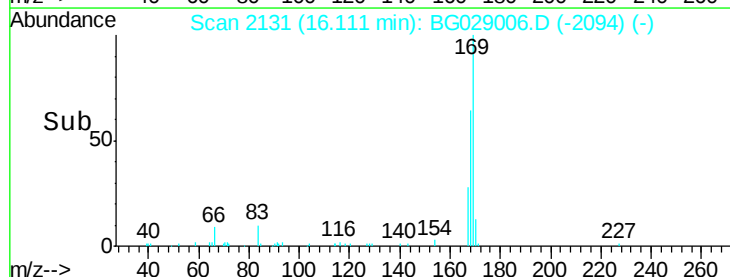
Abundance Ion 169.00 (168.70 to 169.70): E

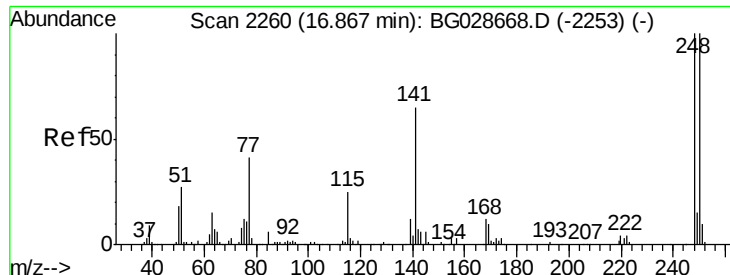
Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->

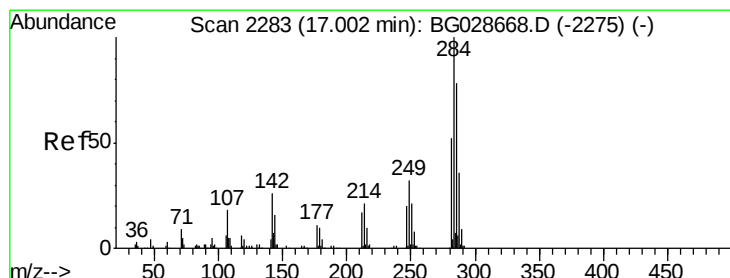
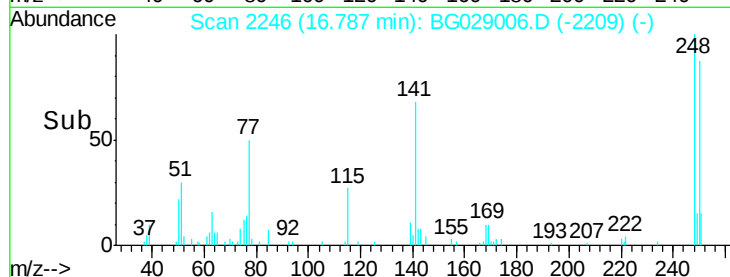
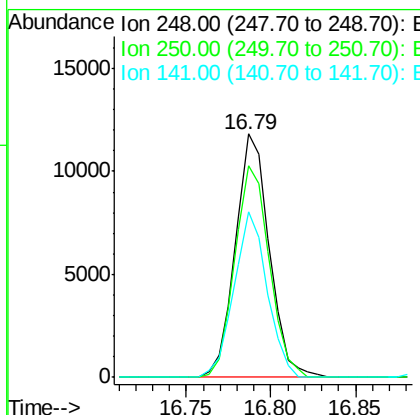
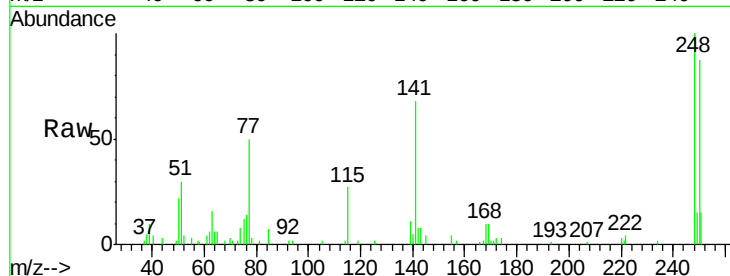




#66  
4-Bromophenyl-phenylether  
Concen: 4.94 ng  
RT: 16.79 min Scan# 2246  
Delta R.T. -0.08 min  
Lab File: BG029006.D  
Acq: 3 Oct 2017 15:27

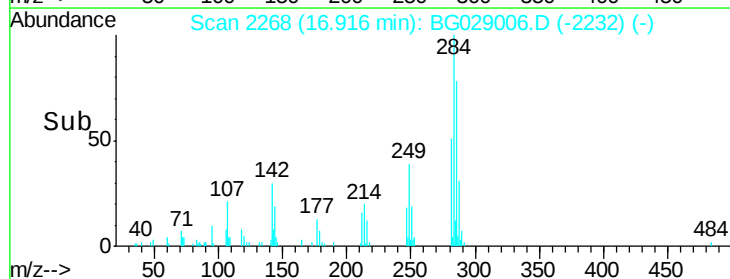
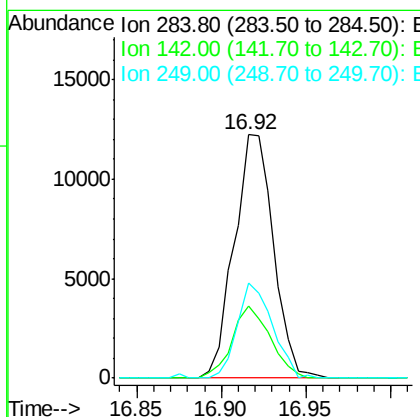
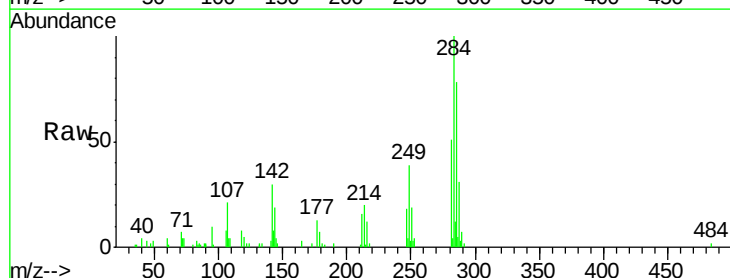
Instrument :  
BNA\_G  
ClientSampleId :

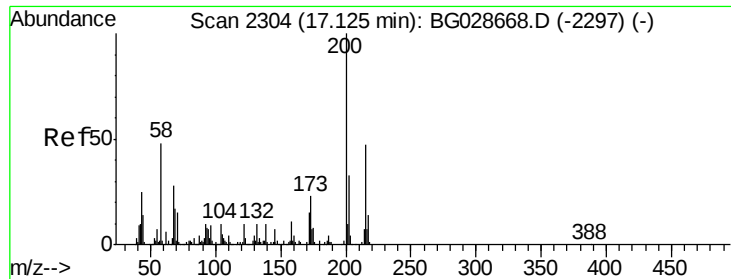
Tot Ion:248 Resp: 16524  
Ion Ratio Lower Upper  
248 100  
250 87.1 75.0 112.6  
141 67.8 55.2 82.8



#67  
Hexachlorobenzene  
Concen: 5.21 ng  
RT: 16.92 min Scan# 2268  
Delta R.T. -0.09 min  
Lab File: BG029006.D  
Acq: 3 Oct 2017 15:27

Tgt Ion:284 Resp: 19829  
Ion Ratio Lower Upper  
284 100  
142 29.6 29.9 44.9#  
249 38.9 29.2 43.8

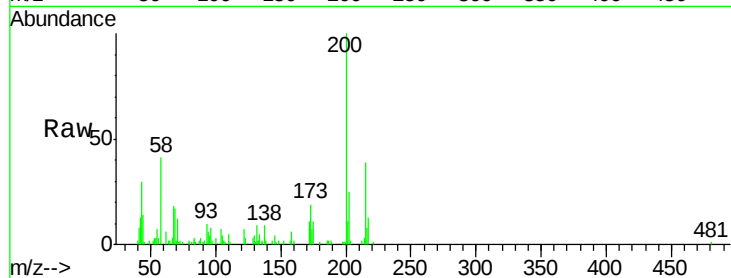




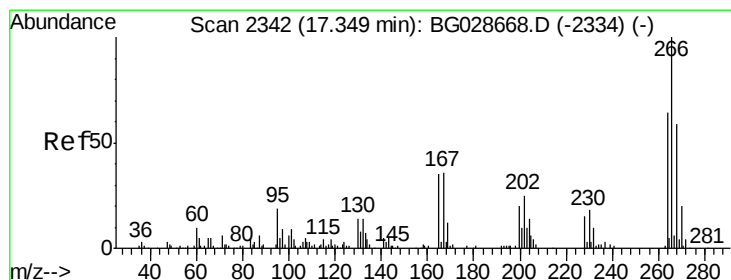
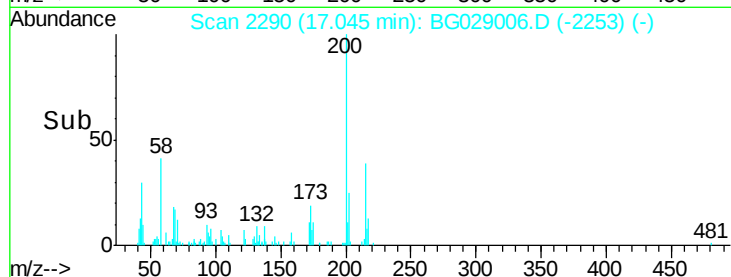
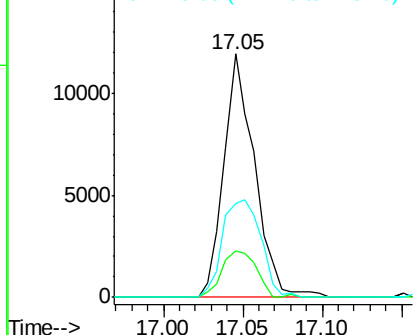
#68  
Atrazine  
Concen: 5.02 ng  
RT: 17.05 min Scan# 2290  
Delta R.T. -0.08 min  
Lab File: BG029006.D  
Acq: 3 Oct 2017 15:27

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 18.9  | 3.0   | 43.0  |
| 215     | 38.6  | 28.4  | 68.4  |

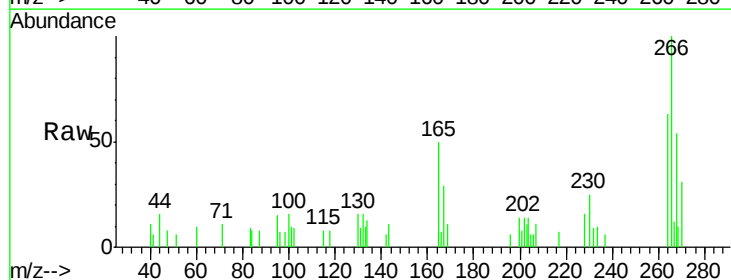


Abundance Ion 200.00 (199.70 to 200.70): E  
Ion 173.00 (172.70 to 173.70): E  
Ion 215.00 (214.70 to 215.70): E

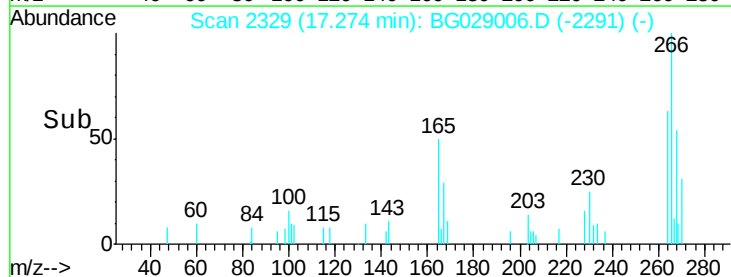
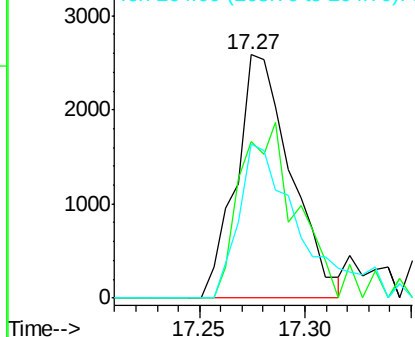


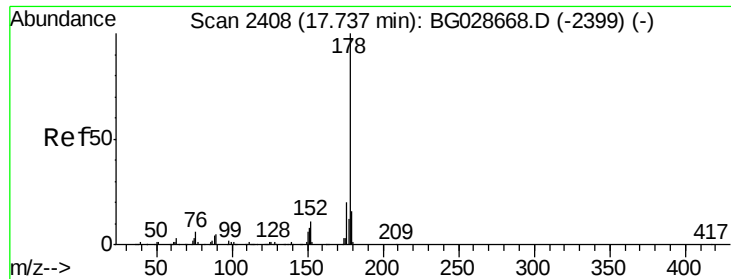
#69  
Pentachlorophenol  
Concen: 2.72 ng  
RT: 17.27 min Scan# 2329  
Delta R.T. -0.07 min  
Lab File: BG029006.D  
Acq: 3 Oct 2017 15:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 64.1  | 48.6  | 72.8  |
| 264     | 63.2  | 50.1  | 75.1  |



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: 5.38 ng

RT: 17.66 min Scan# 2394

Delta R.T. -0.08 min

Lab File: BG029006.D

Acq: 3 Oct 2017 15:27

Instrument :

BNA\_G

ClientSampleId :

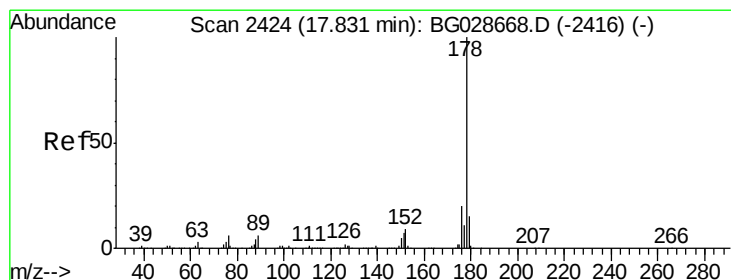
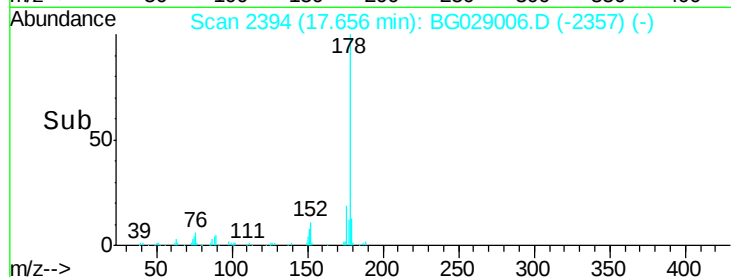
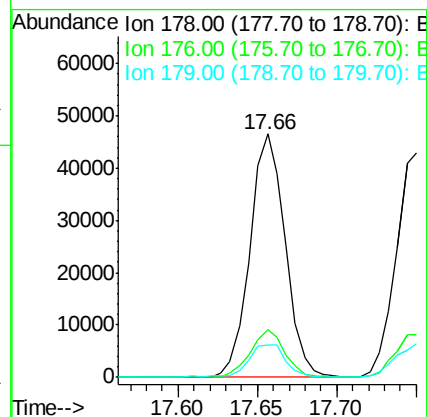
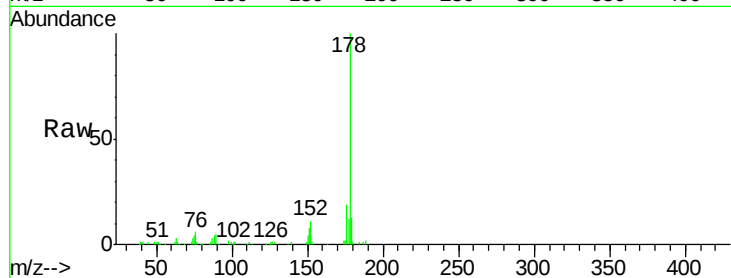
Tot Ion:178 Resp: 71543

Ion Ratio Lower Upper

178 100

176 19.5 17.7 26.5

179 13.4 15.0 22.6#



#71

Anthracene

Concen: 5.07 ng

RT: 17.75 min Scan# 2410

Delta R.T. -0.08 min

Lab File: BG029006.D

Acq: 3 Oct 2017 15:27

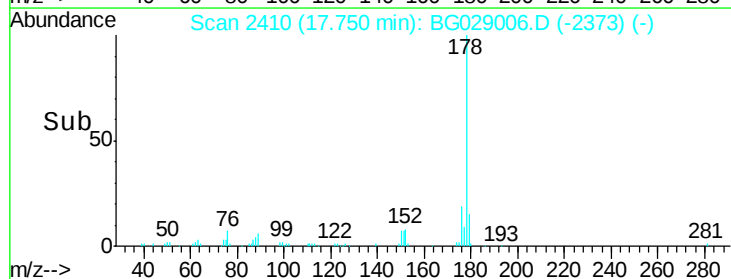
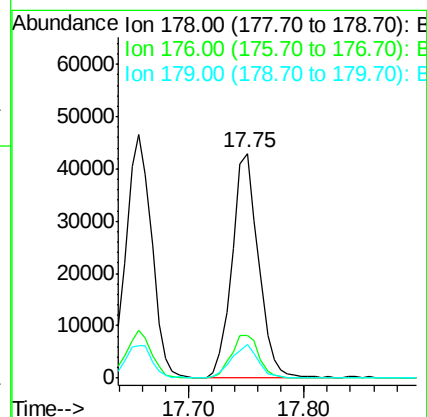
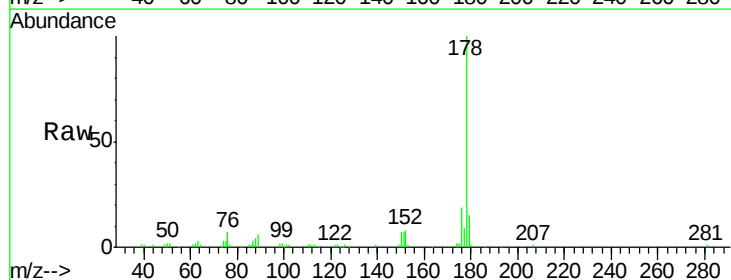
Tgt Ion:178 Resp: 68101

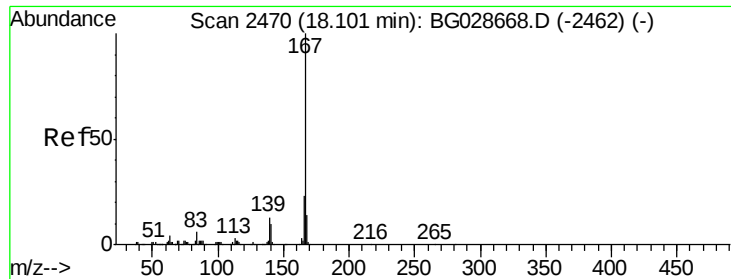
Ion Ratio Lower Upper

178 100

176 18.8 16.4 24.6

179 14.9 13.8 20.8





#72

Carbazole

Concen: 5.09 ng

RT: 18.02 min Scan# 2456

Delta R.T. -0.08 min

Lab File: BG029006.D

Acq: 3 Oct 2017 15:27

Instrument :

BNA\_G

ClientSampleId :

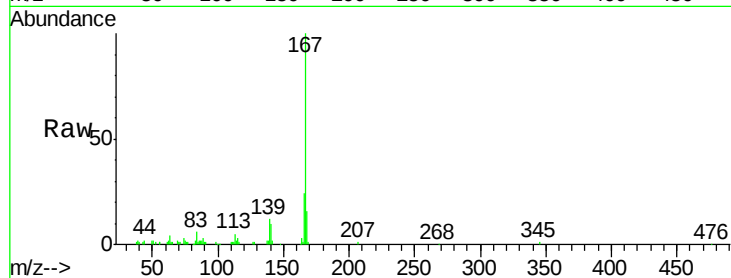
Tot Ion:167 Resp: 61603

Ion Ratio Lower Upper

167 100

166 23.5 20.2 30.2

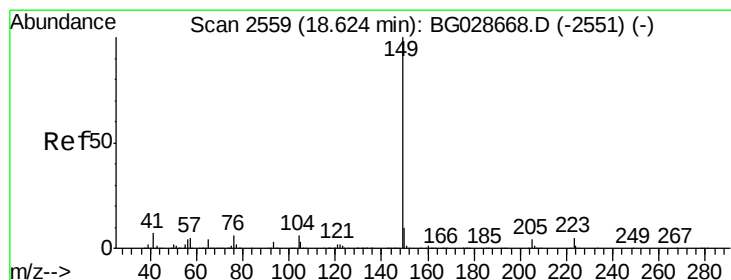
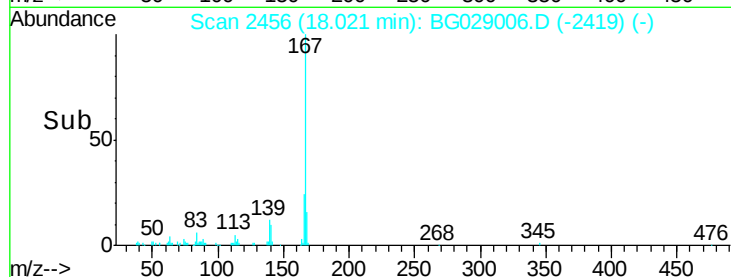
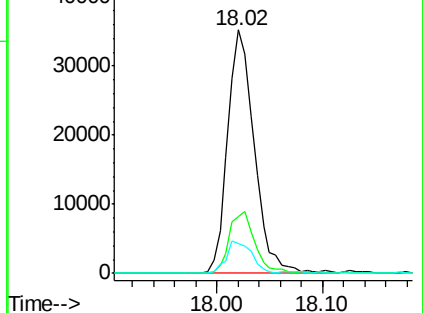
139 12.4 12.8 19.2#



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: 5.13 ng

RT: 18.55 min Scan# 2546

Delta R.T. -0.07 min

Lab File: BG029006.D

Acq: 3 Oct 2017 15:27

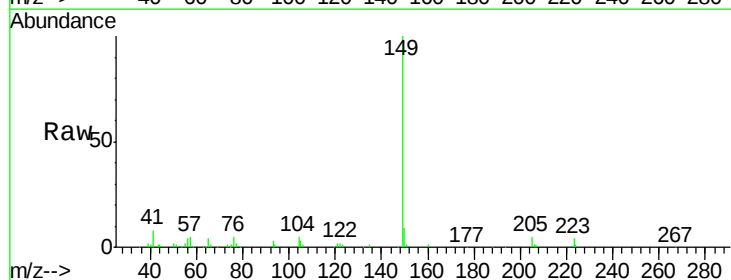
Tgt Ion:149 Resp: 76126

Ion Ratio Lower Upper

149 100

150 8.7 9.1 13.7#

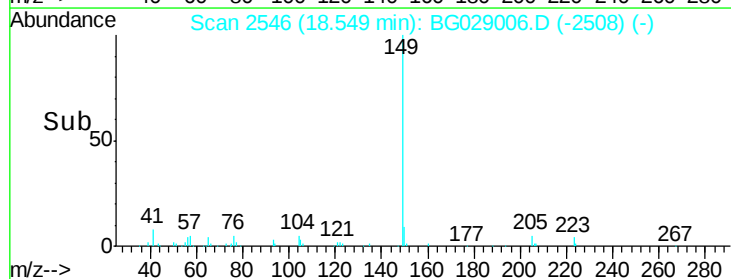
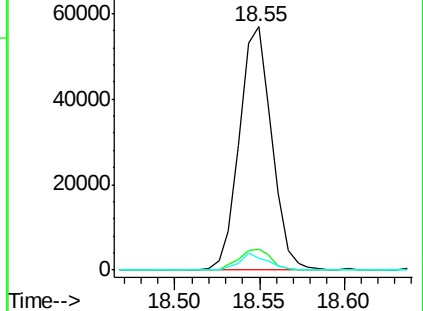
104 5.0 6.7 10.1#

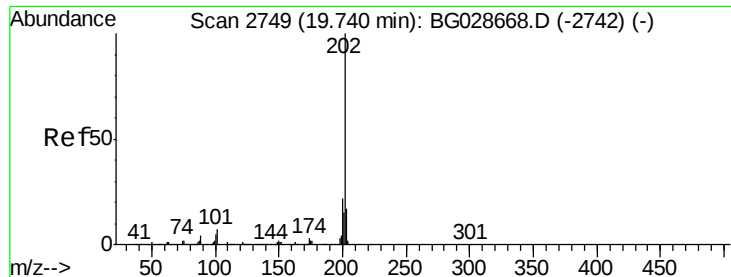


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 5.45 ng

RT: 19.66 min Scan# 2735

Delta R.T. -0.08 min

Lab File: BG029006.D

Acq: 3 Oct 2017 15:27

Instrument :

BNA\_G

ClientSampleId :

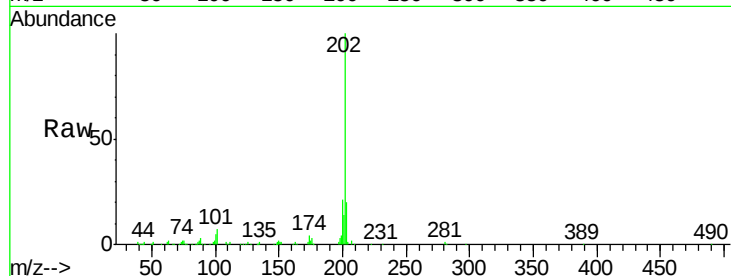
Tot Ion:202 Resp: 88448

Ion Ratio Lower Upper

202 100

101 7.2 0.0 30.1

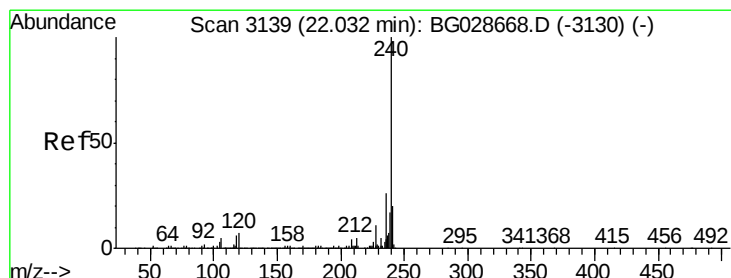
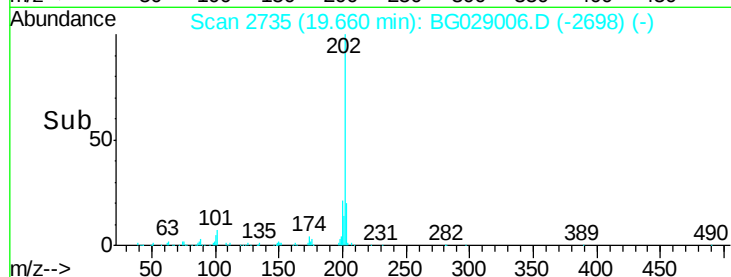
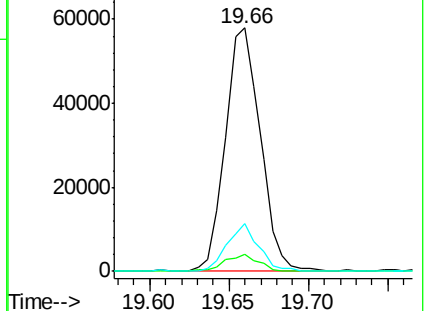
203 19.7 1.3 41.3



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: 21.92 min Scan# 3120

Delta R.T. -0.11 min

Lab File: BG029006.D

Acq: 3 Oct 2017 15:27

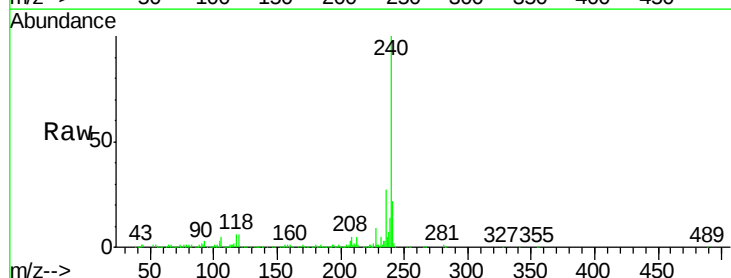
Tgt Ion:240 Resp: 285949

Ion Ratio Lower Upper

240 100

120 5.9 5.7 8.5

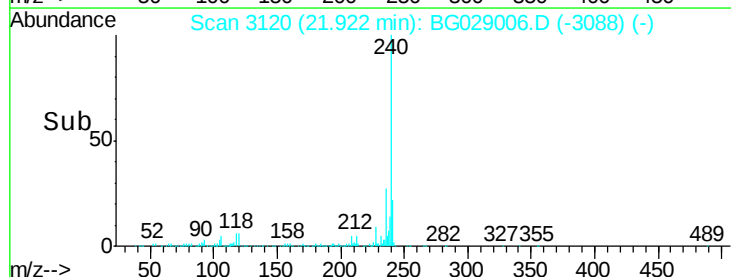
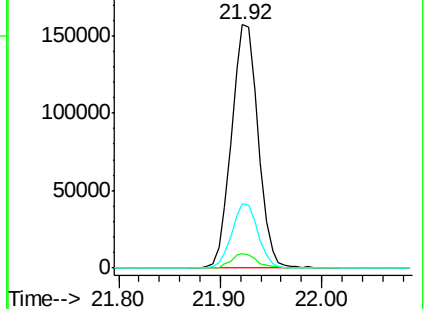
236 26.6 22.2 33.4

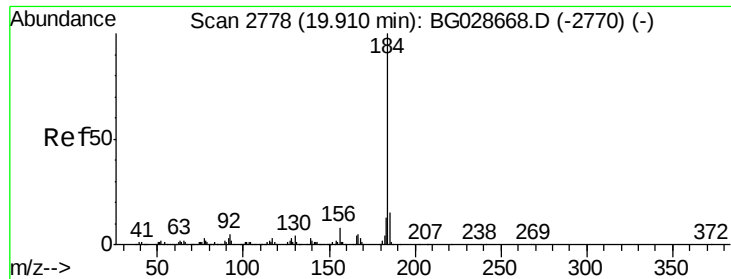


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 3.24 ng

RT: 19.84 min Scan# 2765

Delta R.T. -0.07 min

Lab File: BG029006.D

Acq: 3 Oct 2017 15:27

Instrument :

BNA\_G

ClientSampled :

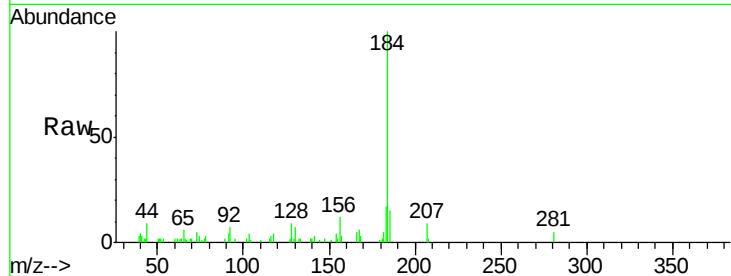
Tot Ion:184 Resp: 24008

Ion Ratio Lower Upper

184 100

185 15.1 13.0 19.6

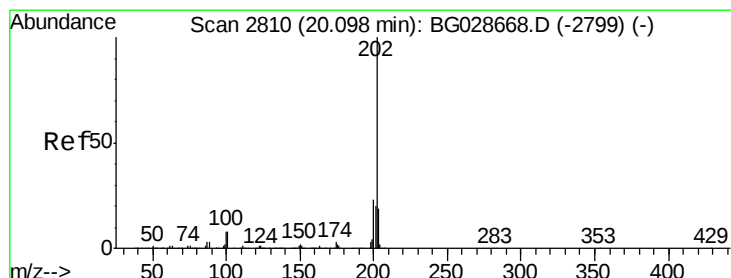
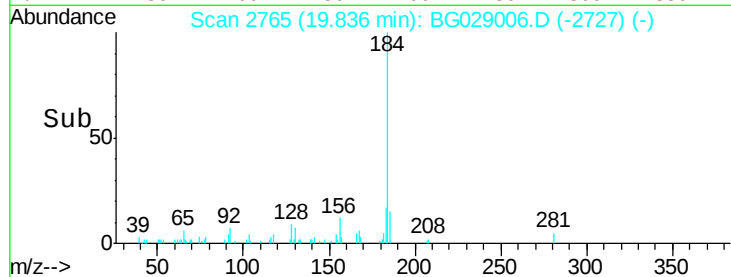
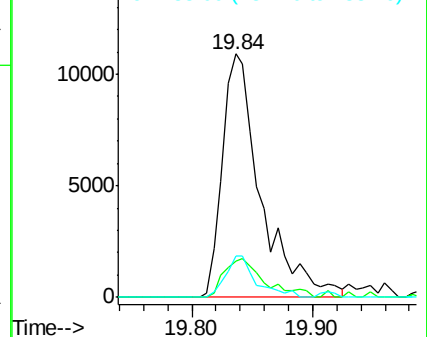
183 16.9 11.0 16.6#



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

Pyrene

Concen: 5.45 ng

RT: 20.02 min Scan# 2796

Delta R.T. -0.08 min

Lab File: BG029006.D

Acq: 3 Oct 2017 15:27

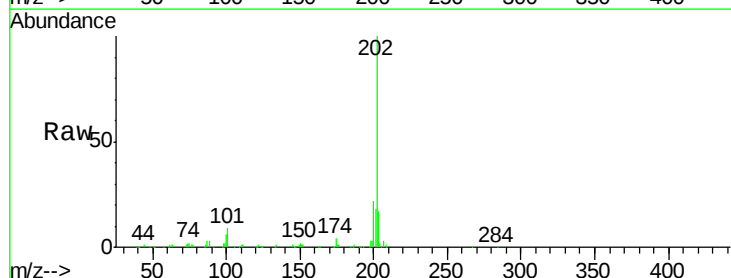
Tgt Ion:202 Resp: 89848

Ion Ratio Lower Upper

202 100

200 22.2 19.6 29.4

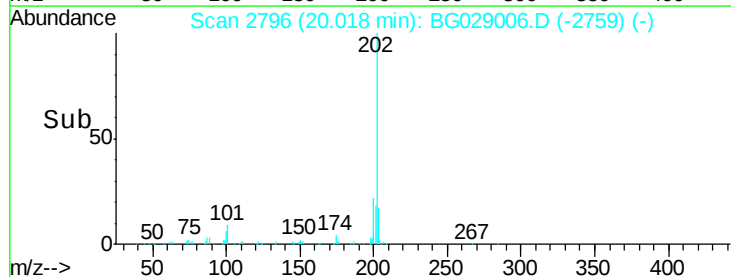
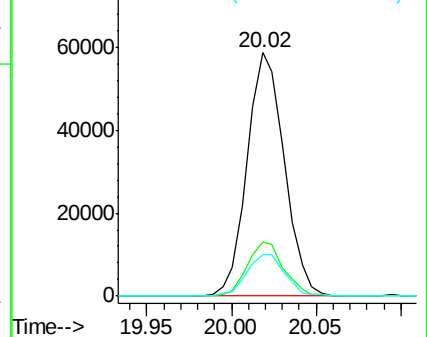
203 16.7 15.8 23.8

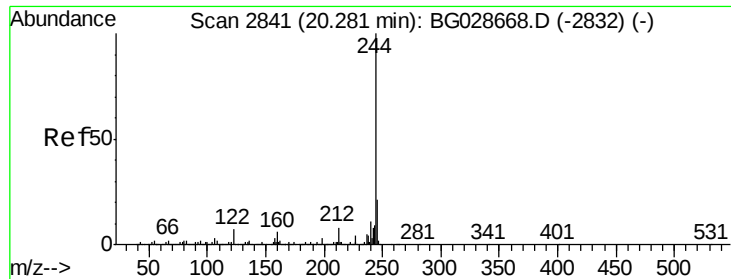


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 83.11 ng

RT: 20.20 min Scan# 2827

Delta R.T. -0.08 min

Lab File: BG029006.D

Acq: 3 Oct 2017 15:27

Instrument :

BNA\_G

ClientSampleId :

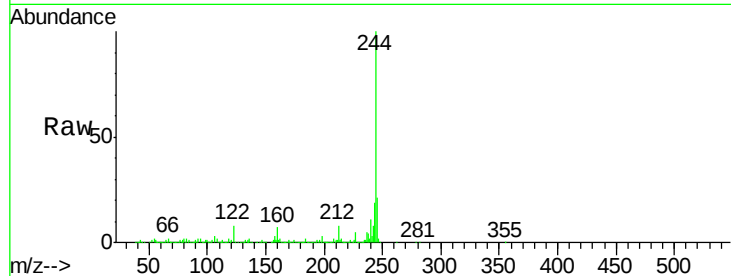
Tot Ion:244 Resp: 1114421

Ion Ratio Lower Upper

244 100

212 7.6 10.0 15.0#

122 8.1 8.6 12.8#

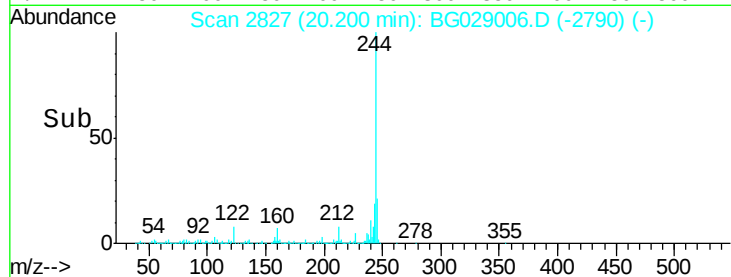


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

Time--> 20.10 20.20 20.30

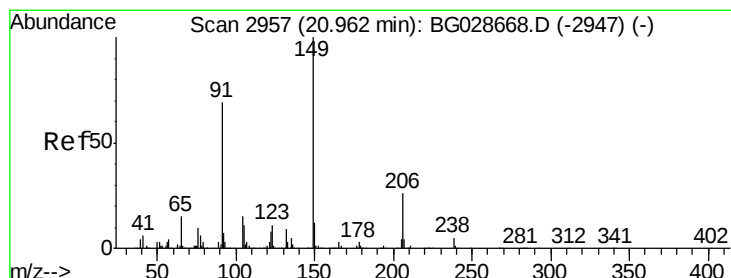


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

Time--> 20.10 20.20 20.30



#79

Butylbenzylphthalate

Concen: 5.05 ng

RT: 20.88 min Scan# 2943

Delta R.T. -0.08 min

Lab File: BG029006.D

Acq: 3 Oct 2017 15:27

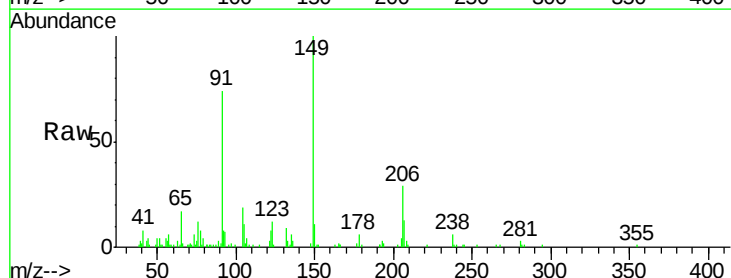
Tgt Ion:149 Resp: 33629

Ion Ratio Lower Upper

149 100

91 73.8 63.5 95.3

206 29.2 21.0 31.6

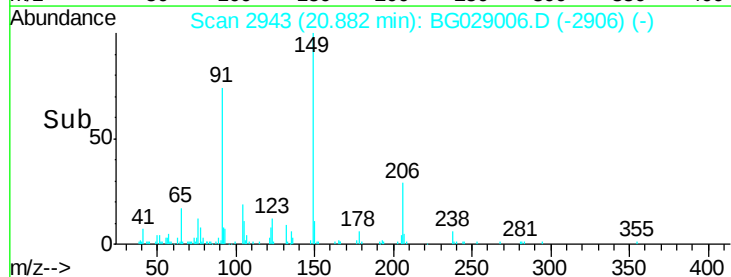


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG0

Ion 206.00 (205.70 to 206.70): E

Time--> 20.80 20.85 20.90 20.95

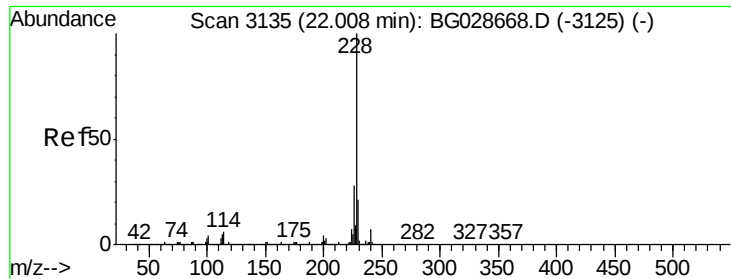


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG0

Ion 206.00 (205.70 to 206.70): E

Time--> 20.80 20.85 20.90 20.95



#80

Benzo(a)anthracene

Concen: 5.35 ng

RT: 21.90 min Scan# 3117

Delta R.T. -0.10 min

Lab File: BG029006.D

Acq: 3 Oct 2017 15:27

Instrument :

BNA\_G

ClientSampleId :

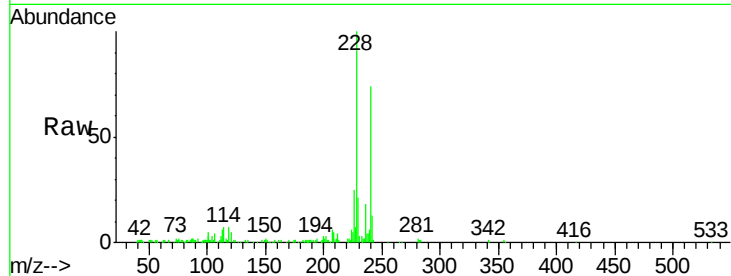
Tot Ion:228 Resp: 92008

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 25.5  | 24.9  | 37.3  |
| 229 | 21.2  | 18.2  | 27.2  |

228 100

226 25.5 24.9 37.3

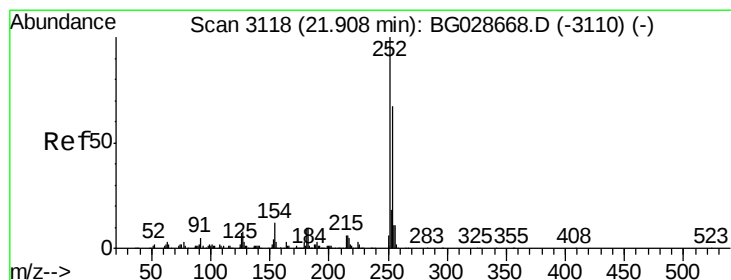
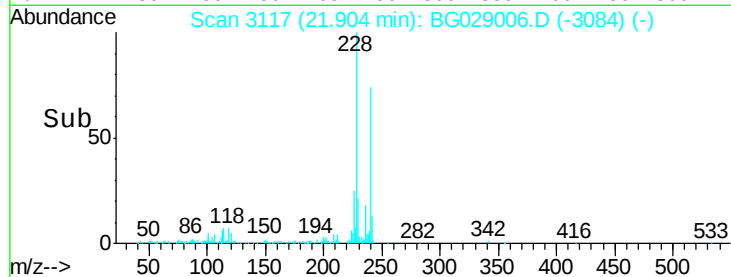
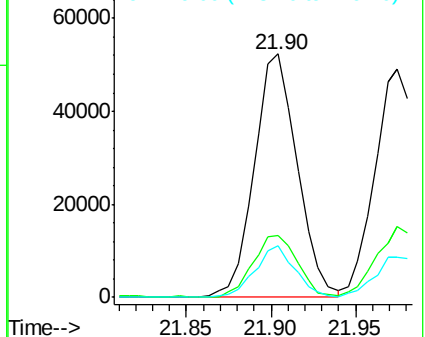
229 21.2 18.2 27.2



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#81

3,3'-Dichlorobenzidine

Concen: 4.71 ng

RT: 21.81 min Scan# 3101

Delta R.T. -0.10 min

Lab File: BG029006.D

Acq: 3 Oct 2017 15:27

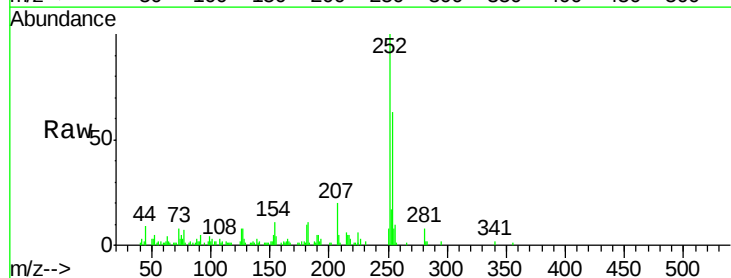
Tgt Ion:252 Resp: 32853

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 254 | 62.9  | 53.1  | 79.7  |
| 126 | 7.6   | 7.0   | 10.4  |

252 100

254 62.9 53.1 79.7

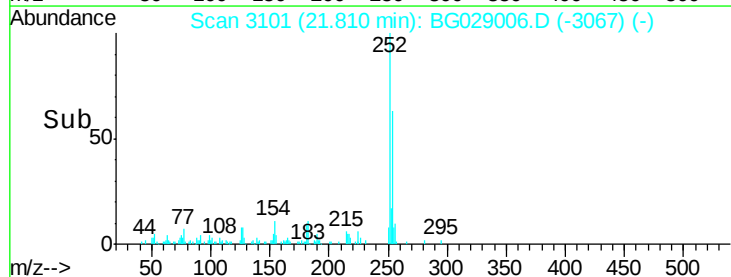
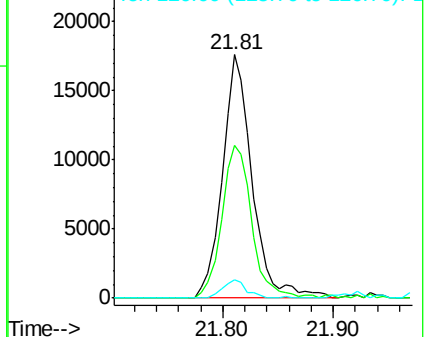
126 7.6 7.0 10.4

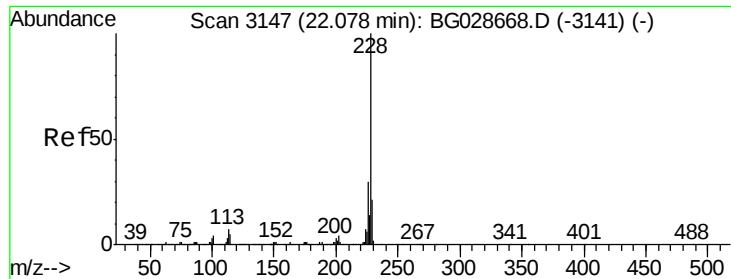


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E

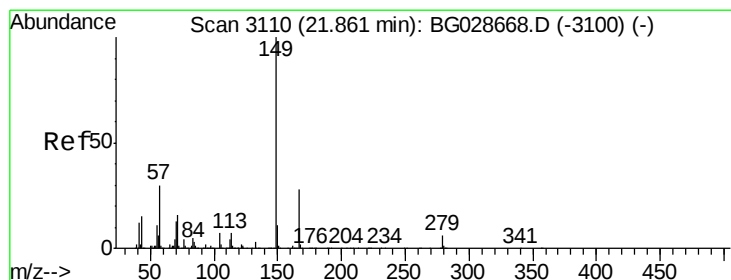
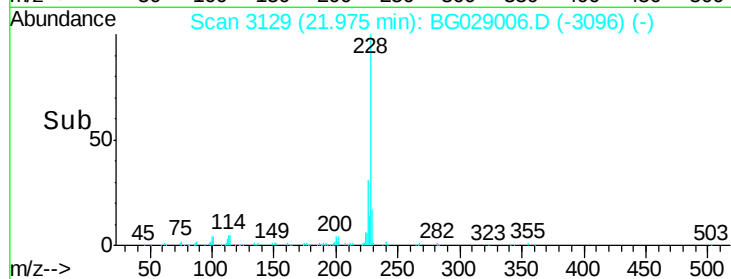
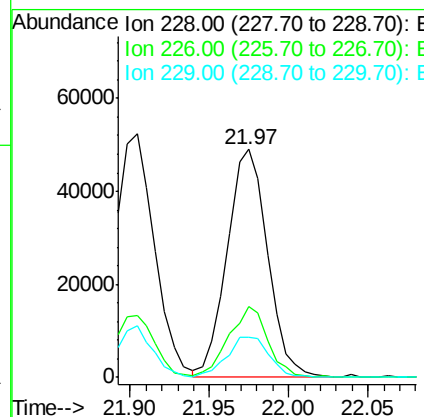
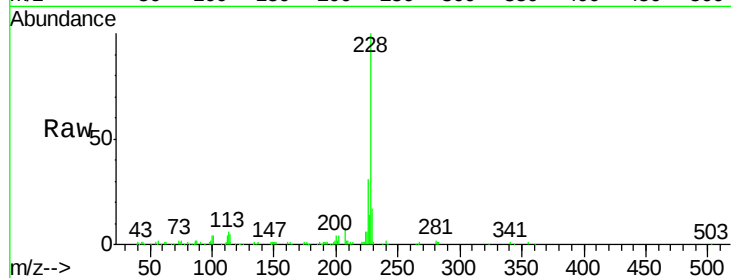




#82  
 Chrysene  
 Concen: 5.29 ng  
 RT: 21.97 min Scan# 3129  
 Delta R.T. -0.10 min  
 Lab File: BG029006.D  
 Acq: 3 Oct 2017 15:27

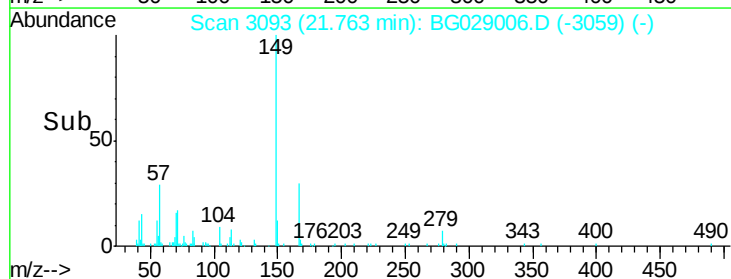
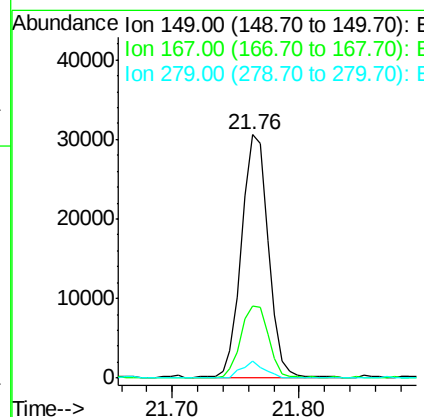
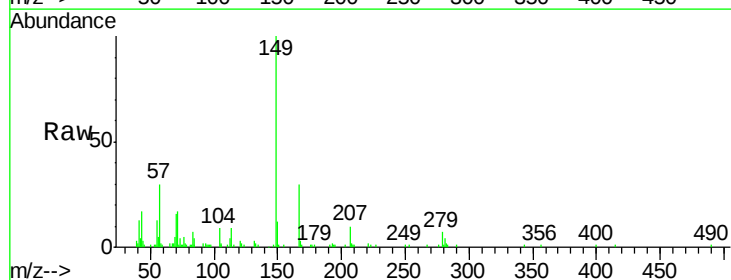
Instrument :  
 BNA\_G  
 ClientSampleId :

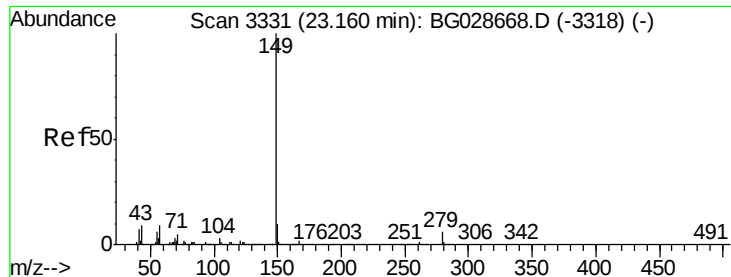
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.9  | 27.0  | 40.4  |
| 229     | 17.5  | 17.8  | 26.6# |



#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 4.75 ng  
 RT: 21.76 min Scan# 3093  
 Delta R.T. -0.10 min  
 Lab File: BG029006.D  
 Acq: 3 Oct 2017 15:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 29.8  | 23.7  | 35.5  |
| 279     | 6.8   | 4.6   | 6.8   |





#84

Di-n-octyl phthalate

Concen: 4.78 ng

RT: 23.03 min Scan# 3309

Delta R.T. -0.13 min

Lab File: BG029006.D

Acq: 3 Oct 2017 15:27

Instrument :

BNA\_G

ClientSampleId :

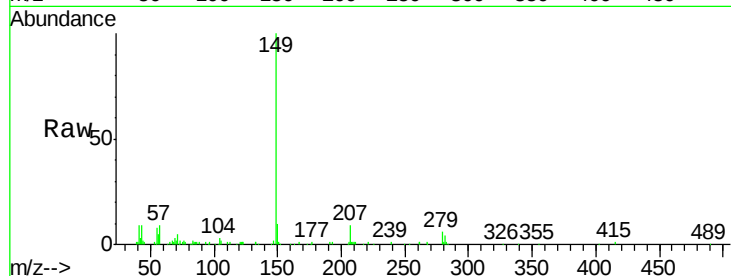
Tot Ion:149 Resp: 79122

Ion Ratio Lower Upper

149 100

167 1.3 1.4 2.2#

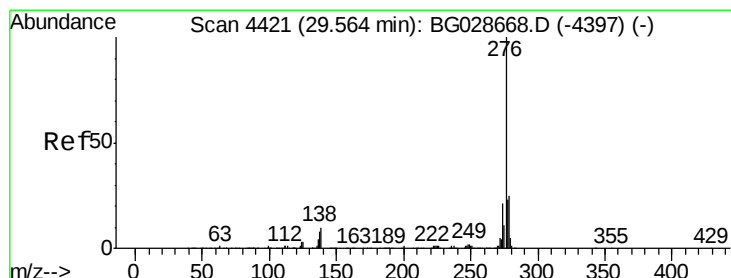
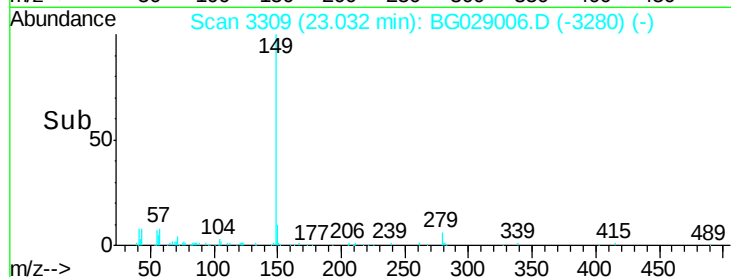
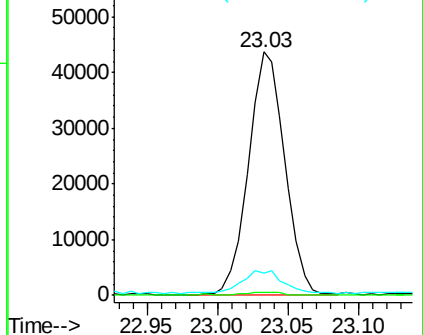
43 11.4 11.8 17.6#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): B



#85

Indeno(1,2,3-cd)pyrene

Concen: 4.49 ng

RT: 29.27 min Scan# 4370

Delta R.T. -0.30 min

Lab File: BG029006.D

Acq: 3 Oct 2017 15:27

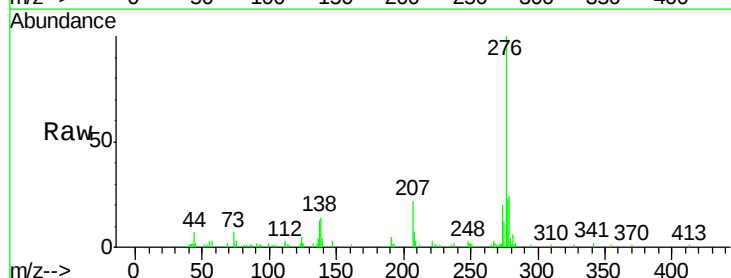
Tgt Ion:276 Resp: 94257

Ion Ratio Lower Upper

276 100

138 4.4 4.7 7.1#

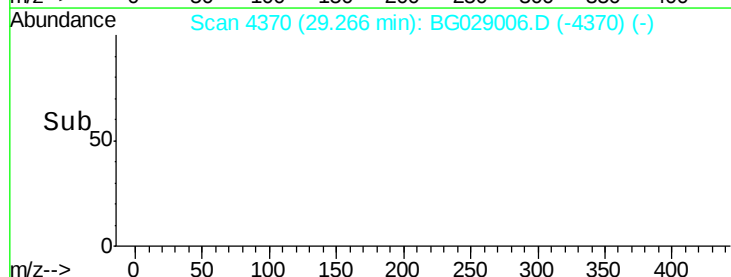
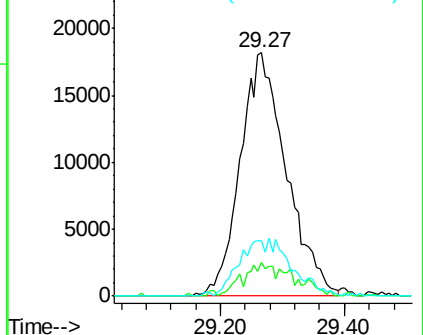
277 13.3 20.6 31.0#

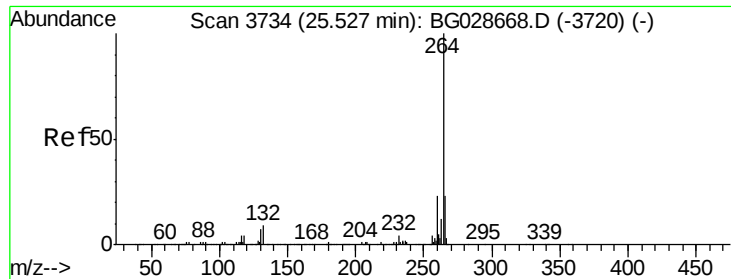


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

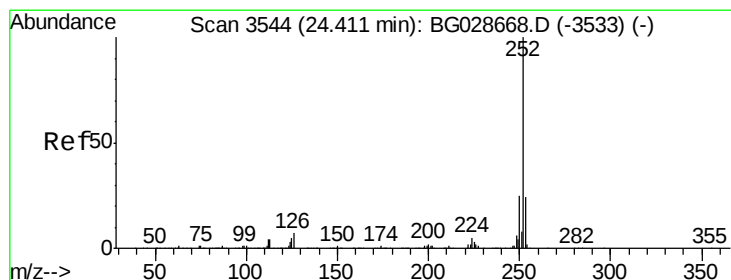
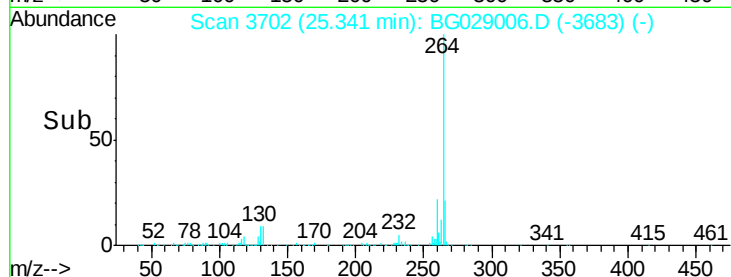
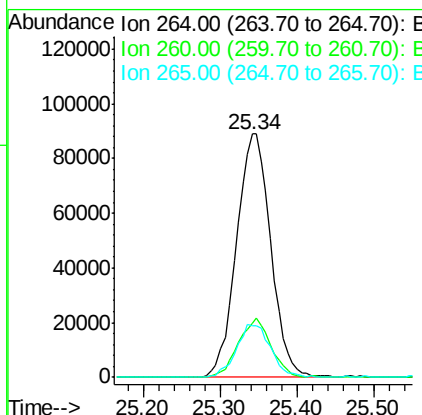
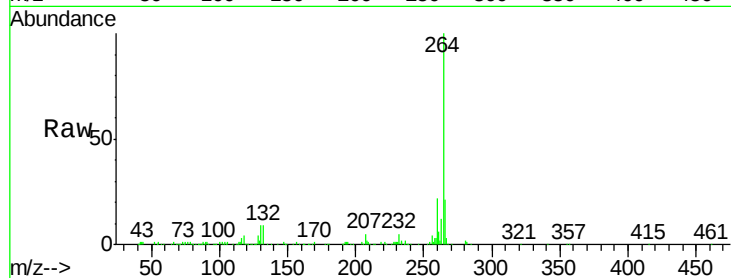




#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 25.34 min Scan# 3702  
Delta R.T. -0.19 min  
Lab File: BG029006.D  
Acq: 3 Oct 2017 15:27

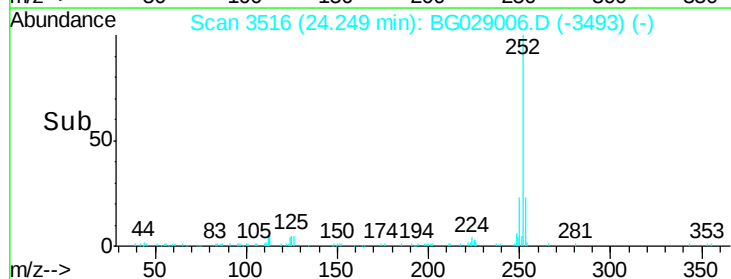
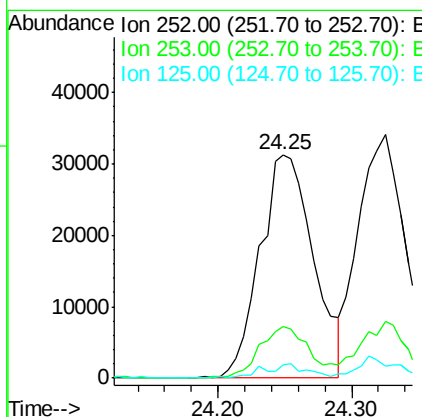
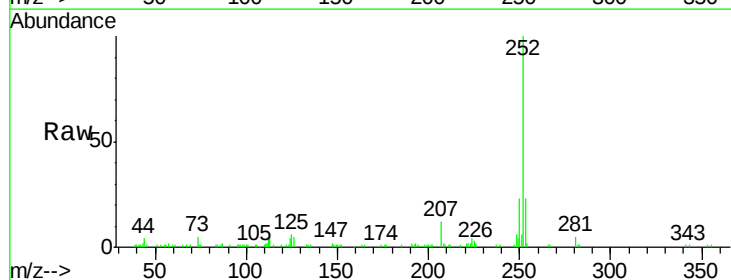
Instrument :  
BNA\_G  
ClientSampleId :

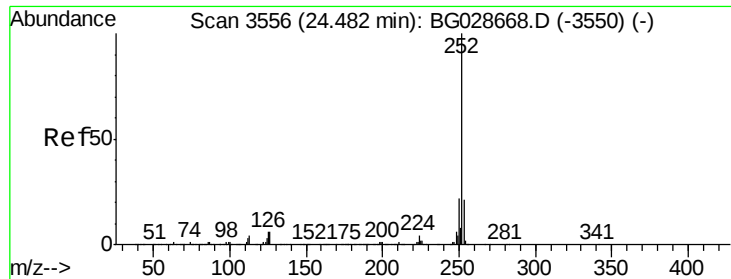
Tot Ion:264 Resp: 276756  
Ion Ratio Lower Upper  
264 100  
260 22.4 21.8 32.8  
265 21.0 18.2 27.4



#87  
Benzo(b)fluoranthene  
Concen: 5.23 ng  
RT: 24.25 min Scan# 3516  
Delta R.T. -0.16 min  
Lab File: BG029006.D  
Acq: 3 Oct 2017 15:27

Tgt Ion:252 Resp: 86797  
Ion Ratio Lower Upper  
252 100  
253 22.9 18.7 28.1  
125 5.9 5.3 7.9

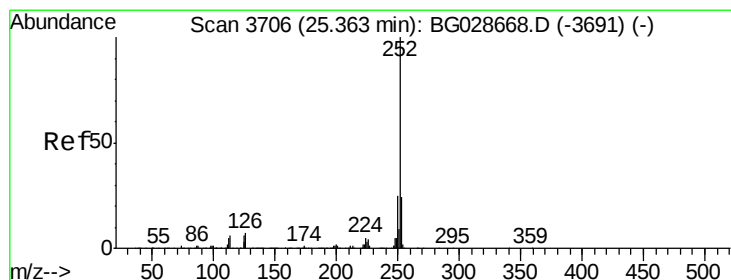
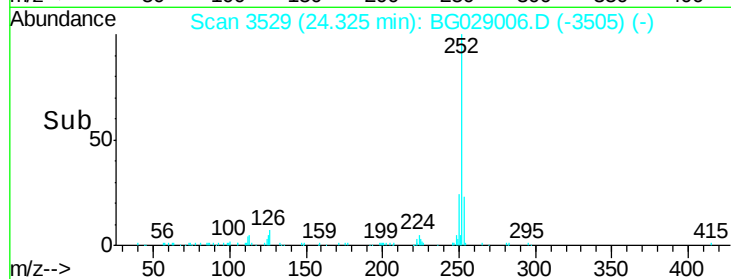
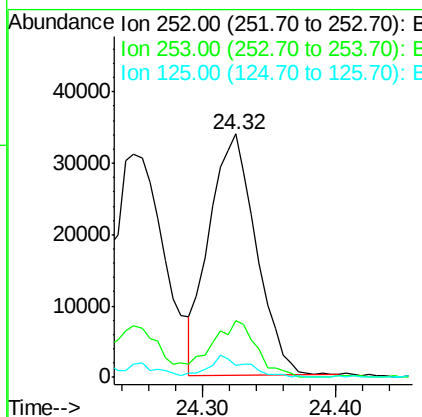
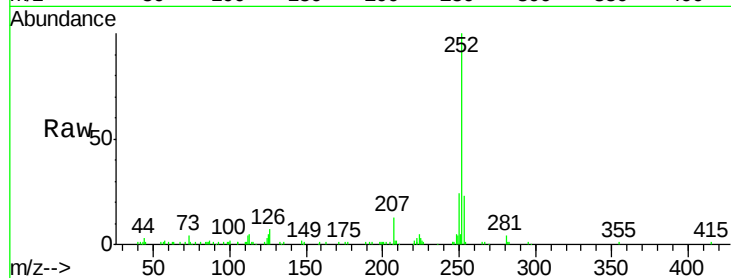




#88  
Benzo(k)fluoranthene  
Concen: 4.99 ng  
RT: 24.32 min Scan# 3529  
Delta R.T. -0.16 min  
Lab File: BG029006.D  
Acq: 3 Oct 2017 15:27

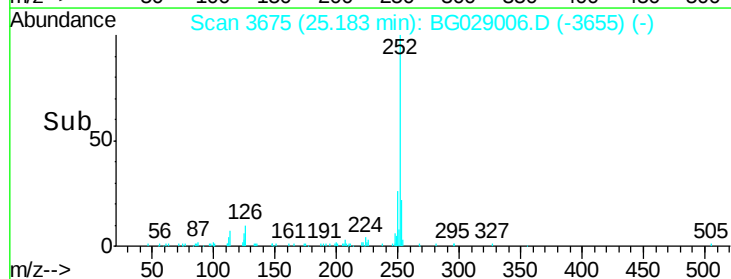
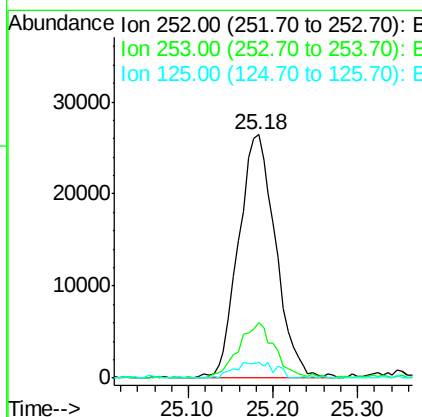
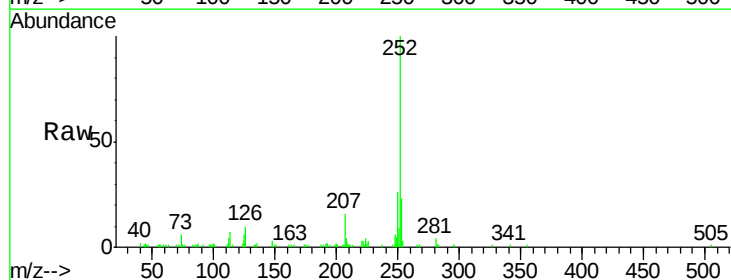
Instrument :  
BNA\_G  
ClientSampleId :

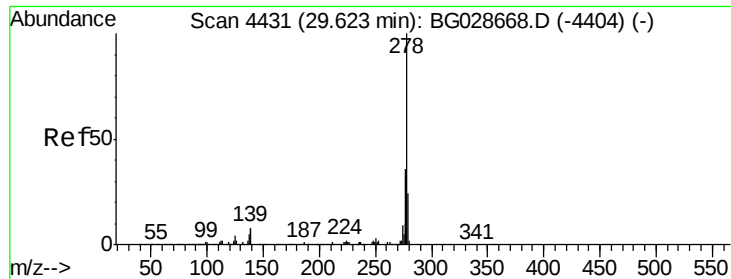
Tot Ion:252 Resp: 82613  
Ion Ratio Lower Upper  
252 100  
253 23.5 20.2 30.2  
125 5.1 5.1 7.7



#89  
Benzo(a)pyrene  
Concen: 5.11 ng  
RT: 25.18 min Scan# 3675  
Delta R.T. -0.18 min  
Lab File: BG029006.D  
Acq: 3 Oct 2017 15:27

Tgt Ion:252 Resp: 80487  
Ion Ratio Lower Upper  
252 100  
253 22.8 19.2 28.8  
125 6.3 5.4 8.0



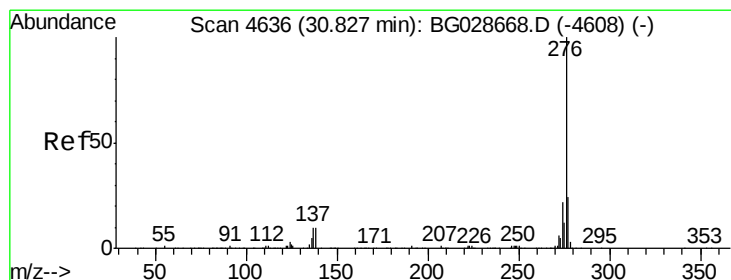
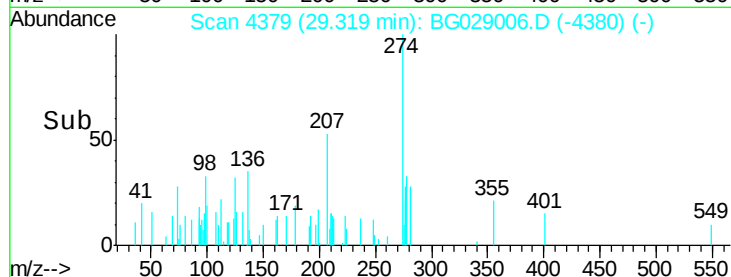
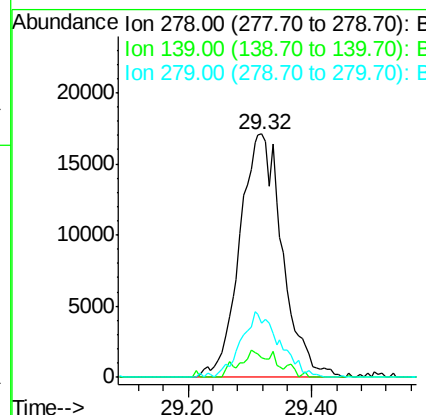
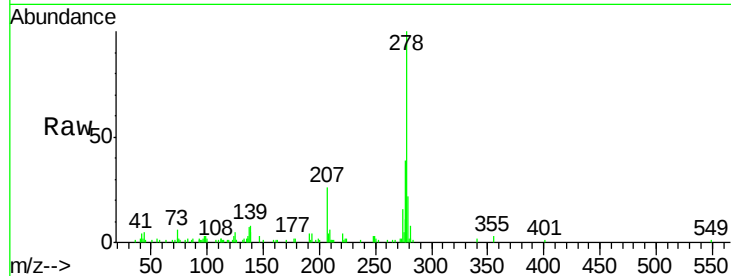


#90  
Dibenzo(a,h)anthracene  
Concen: 4.98 ng  
RT: 29.32 min Scan# 4379  
Delta R.T. -0.30 min  
Lab File: BG029006.D  
Acq: 3 Oct 2017 15:27

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:278 Resp: 81784  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 278 | 100   |       |       |
| 139 | 7.8   | 7.7   | 11.5  |
| 279 | 22.4  | 19.1  | 28.7  |



#91  
Benzo(g,h,i)perylene  
Concen: 5.00 ng  
RT: 30.51 min Scan# 4581  
Delta R.T. -0.32 min  
Lab File: BG029006.D  
Acq: 3 Oct 2017 15:27

Tgt Ion:276 Resp: 80008  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 277 | 21.7  | 18.6  | 27.8  |
| 138 | 12.5  | 8.1   | 12.1# |

