

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG050915\  
 Data File : BG017014.D  
 Acq On : 10 May 2015 7:57  
 Operator : TP/IZ  
 Sample : G2139-01MSD  
 Misc :  
 ALS Vial : 56 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 LAR9794-AMSD

Quant Time: May 19 07:33:41 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG050515.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 05 16:13:58 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.79  | 152  | 63099    | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8        | 10.58 | 136  | 279496   | 20.00 | ng    | -0.02    |
| 38) Acenaphthene-d10      | 14.43 | 164  | 191132   | 20.00 | ng    | -0.02    |
| 63) Phenanthrene-d10      | 17.17 | 188  | 449661   | 20.00 | ng    | -0.02    |
| 75) Chrysene-d12          | 21.35 | 240  | 448824   | 20.00 | ng    | -0.02    |
| 86) Perylene-d12          | 23.64 | 264  | 431684   | 20.00 | ng    | -0.04    |

## System Monitoring Compounds

|                          |       |     |         |        |    |       |
|--------------------------|-------|-----|---------|--------|----|-------|
| 5) 2-Fluorophenol        | 5.38  | 112 | 462371  | 127.59 | ng | 0.00  |
| 7) Phenol-d6             | 6.97  | 99  | 606439  | 117.14 | ng | 0.00  |
| 23) Nitrobenzene-d5      | 8.95  | 82  | 467023  | 81.63  | ng | -0.02 |
| 41) 2,4,6-Tribromophenol | 15.92 | 330 | 304958  | 158.93 | ng | -0.01 |
| 44) 2-Fluorobiphenyl     | 13.05 | 172 | 972989  | 76.82  | ng | -0.02 |
| 78) Terphenyl-d14        | 19.80 | 244 | 1629263 | 85.10  | ng | -0.02 |

## Target Compounds

|                                |       |     |        |       |    | Qvalue |
|--------------------------------|-------|-----|--------|-------|----|--------|
| 2) 1,4-Dioxane                 | 3.30  | 88  | 47110  | 31.02 | ng | # 1    |
| 3) Pyridine                    | 3.69  | 79  | 125473 | 26.72 | ng | 98     |
| 4) n-Nitrosodimethylamine      | 3.60  | 42  | 63097  | 22.51 | ng | 91     |
| 6) Aniline                     | 7.13  | 93  | 18043  | 2.48  | ng | 91     |
| 8) 2-Chlorophenol              | 7.36  | 128 | 177826 | 42.36 | ng | 95     |
| 10) Phenol                     | 6.99  | 94  | 217783 | 39.23 | ng | 98     |
| 11) bis(2-Chloroethyl)ether    | 7.22  | 93  | 181041 | 42.17 | ng | 93     |
| 12) 1,3-Dichlorobenzene        | 7.68  | 146 | 167672 | 36.22 | ng | 94     |
| 13) 1,4-Dichlorobenzene        | 7.83  | 146 | 172212 | 36.73 | ng | 95     |
| 14) 1,2-Dichlorobenzene        | 8.14  | 146 | 168646 | 37.48 | ng | 96     |
| 15) Benzyl Alcohol             | 8.03  | 79  | 151710 | 32.08 | ng | 94     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.32  | 45  | 294165 | 37.02 | ng | 97     |
| 17) 2-Methylphenol             | 8.24  | 107 | 159739 | 40.86 | ng | 93     |
| 18) Hexachloroethane           | 8.87  | 117 | 69907  | 36.27 | ng | 92     |
| 19) n-Nitroso-di-n-propylamine | 8.60  | 70  | 141557 | 31.18 | ng | 98     |
| 20) 3+4-Methylphenols          | 8.57  | 107 | 225469 | 41.85 | ng | 96     |
| 22) Acetophenone               | 8.61  | 105 | 279093 | 41.92 | ng | # 99   |
| 24) Nitrobenzene               | 8.99  | 77  | 244413 | 42.30 | ng | 97     |
| 25) Isophorone                 | 9.51  | 82  | 449356 | 38.90 | ng | 99     |
| 26) 2-Nitrophenol              | 9.70  | 139 | 105321 | 44.77 | ng | 98     |
| 27) 2,4-Dimethylphenol         | 9.76  | 122 | 183540 | 43.11 | ng | 97     |
| 28) bis(2-Chloroethoxy)methane | 10.00 | 93  | 234950 | 40.29 | ng | 97     |
| 29) 2,4-Dichlorophenol         | 10.23 | 162 | 182520 | 45.38 | ng | 98     |
| 30) 1,2,4-Trichlorobenzene     | 10.44 | 180 | 173015 | 40.57 | ng | 96     |
| 31) Naphthalene                | 10.63 | 128 | 549544 | 39.53 | ng | 98     |
| 32) Benzoic acid               | 9.91  | 122 | 151219 | 55.72 | ng | 94     |
| 33) 4-Chloroaniline            | 10.76 | 127 | 25796  | 4.02  | ng | 95     |
| 34) Hexachlorobutadiene        | 10.92 | 225 | 105337 | 39.46 | ng | 96     |
| 36) 4-Chloro-3-methylphenol    | 11.87 | 107 | 235673 | 45.76 | ng | 98     |
| 37) 2-Methylnaphthalene        | 12.24 | 142 | 430766 | 40.68 | ng | 97     |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.61 | 216 | 196649 | 38.06 | ng | # 100  |
| 42) 2,4,6-Trichlorophenol      | 12.93 | 196 | 180765 | 49.37 | ng | 98     |
| 43) 2,4,5-Trichlorophenol      | 12.93 | 196 | 180765 | 46.51 | ng | 96     |
| 45) 1,1'-Biphenyl              | 13.26 | 154 | 555321 | 40.58 | ng | 98     |

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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 46) 2-Chloronaphthalene        | 13.30 | 162  | 432434   | 39.90  | ng    | 97       |
| 47) 2-Nitroaniline             | 13.51 | 65   | 193220   | 51.21  | ng    | 98       |
| 48) Acenaphthylene             | 14.15 | 152  | 593087   | 31.42  | ng    | 100      |
| 49) Dimethylphthalate          | 13.89 | 163  | 595038   | 41.69  | ng    | 99       |
| 50) 2,6-Dinitrotoluene         | 14.01 | 165  | 143568   | 48.45  | ng    | 87       |
| 51) Acenaphthene               | 14.49 | 154  | 449292   | 40.00  | ng    | 97       |
| 52) 3-Nitroaniline             | 14.35 | 138  | 62927    | 18.67  | ng    | 98       |
| 53) 2,4-Dinitrophenol          | 14.54 | 184  | 204626   | 150.98 | ng #  | 80       |
| 54) Dibenzofuran               | 14.83 | 168  | 680065   | 42.63  | ng    | 95       |
| 55) 4-Nitrophenol              | 14.67 | 139  | 253713   | 88.76  | ng    | 93       |
| 56) 2,4-Dinitrotoluene         | 14.79 | 165  | 207429   | 54.72  | ng    | 98       |
| 57) Fluorene                   | 15.48 | 166  | 605981   | 42.91  | ng    | 100      |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.05 | 232  | 156987   | 46.81  | ng #  | 76       |
| 59) Diethylphthalate           | 15.26 | 149  | 668412   | 44.36  | ng    | 100      |
| 60) 4-Chlorophenyl-phenylether | 15.47 | 204  | 305266   | 43.02  | ng    | 99       |
| 61) 4-Nitroaniline             | 15.50 | 138  | 58161    | 14.88  | ng    | 92       |
| 62) Azobenzene                 | 15.76 | 77   | 652095   | 41.79  | ng    | 95       |
| 64) 4,6-Dinitro-2-methylphenol | 15.55 | 198  | 137965   | 61.88  | ng    | 92       |
| 65) n-Nitrosodiphenylamine     | 15.69 | 169  | 549732   | 40.05  | ng    | 97       |
| 66) 4-Bromophenyl-phenylether  | 16.37 | 248  | 188516   | 41.77  | ng    | 97       |
| 67) Hexachlorobenzene          | 16.48 | 284  | 195245   | 41.02  | ng    | 96       |
| 69) Pentachlorophenol          | 16.83 | 266  | 303838   | 98.33  | ng    | 97       |
| 70) Phenanthrene               | 17.21 | 178  | 932984   | 40.32  | ng    | 99       |
| 71) Anthracene                 | 17.31 | 178  | 954966   | 40.91  | ng    | 99       |
| 72) Carbazole                  | 17.58 | 167  | 920119   | 41.46  | ng    | 99       |
| 73) Di-n-butylphthalate        | 18.14 | 149  | 1194599  | 41.52  | ng    | 99       |
| 74) Fluoranthene               | 19.23 | 202  | 1087100  | 40.49  | ng    | 98       |
| 77) Pyrene                     | 19.59 | 202  | 1111411  | 41.96  | ng    | 99       |
| 79) Butylbenzylphthalate       | 20.49 | 149  | 529956   | 42.09  | ng    | 98       |
| 80) Benzo(a)anthracene         | 21.33 | 228  | 1017540  | 42.26  | ng    | 98       |
| 82) Chrysene                   | 21.39 | 228  | 963481   | 42.72  | ng    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 21.26 | 149  | 715068   | 41.52  | ng    | 99       |
| 84) Di-n-octyl phthalate       | 22.15 | 149  | 1207159  | 41.73  | ng #  | 100      |
| 85) Indeno(1,2,3-cd)pyrene     | 26.00 | 276  | 1154261  | 42.95  | ng #  | 100      |
| 87) Benzo(b)fluoranthene       | 22.95 | 252  | 1040437  | 43.26  | ng    | 98       |
| 88) Benzo(k)fluoranthene       | 23.00 | 252  | 977689   | 42.26  | ng    | 100      |
| 89) Benzo(a)pyrene             | 23.54 | 252  | 979375   | 43.67  | ng    | 98       |
| 90) Dibenzo(a,h)anthracene     | 26.02 | 278  | 970606   | 42.37  | ng #  | 96       |
| 91) Benzo(g,h,i)perylene       | 26.73 | 276  | 930267   | 42.65  | ng    | 97       |

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



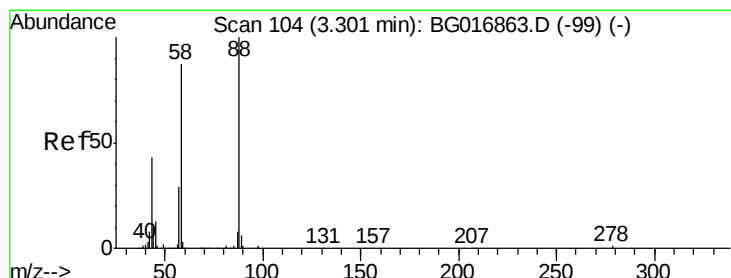
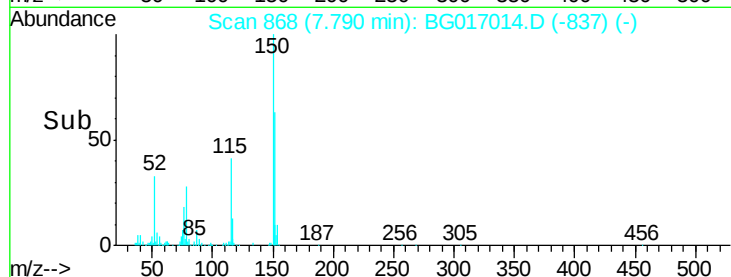
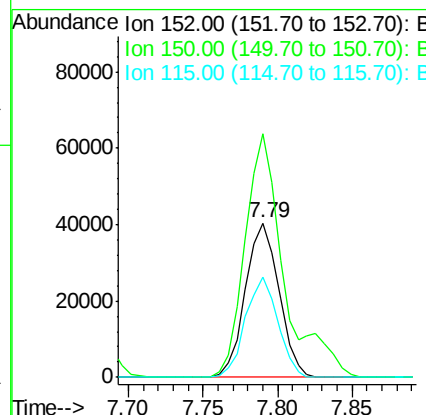
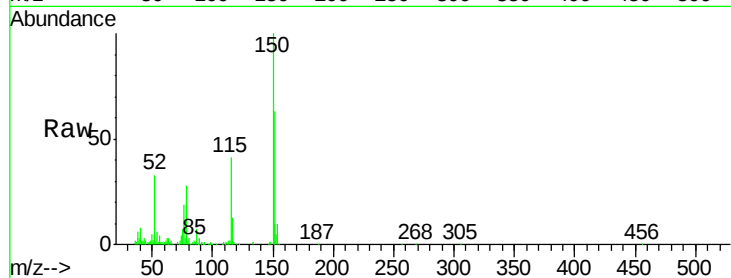


#1

1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.79 min Scan# 868  
Delta R.T. -0.02 min  
Lab File: BG017014.D  
Acq: 10 May 2015 7:57

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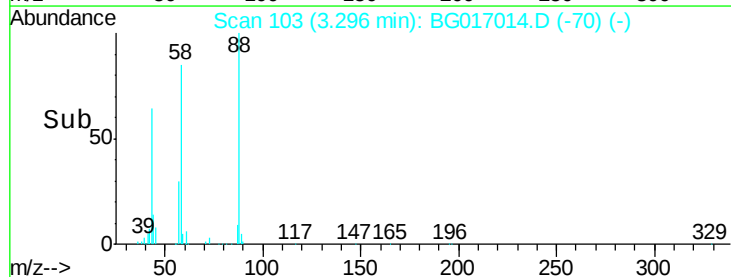
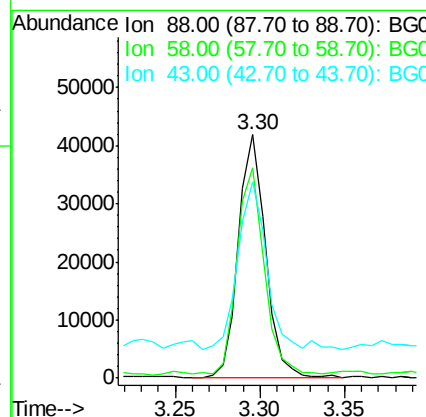
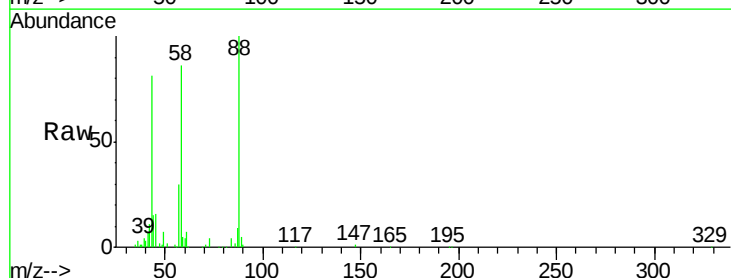
Tgt Ion:152 Resp: 63099  
Ion Ratio Lower Upper  
152 100  
150 158.1 121.0 181.4  
115 65.3 50.5 75.7



#2

1,4-Dioxane  
Concen: 31.02 ng  
RT: 3.30 min Scan# 103  
Delta R.T. -0.01 min  
Lab File: BG017014.D  
Acq: 10 May 2015 7:57

Tgt Ion: 88 Resp: 47110  
Ion Ratio Lower Upper  
88 100  
58 83.5 0.1 0.1#  
43 70.2 1.3 1.9#





#3

Pyridine

Concen: 26.72 ng

RT: 3.69 min Scan# 170

Delta R.T. -0.01 min

Lab File: BG017014.D

Acq: 10 May 2015 7:57

Instrument :

BNA\_G

ClientSampleId :

LAR9794-AMSD

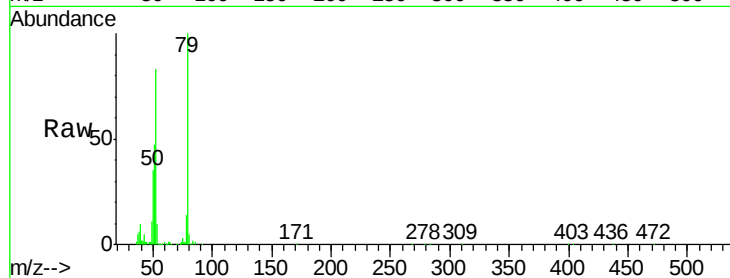
Tgt Ion: 79 Resp: 125473

Ion Ratio Lower Upper

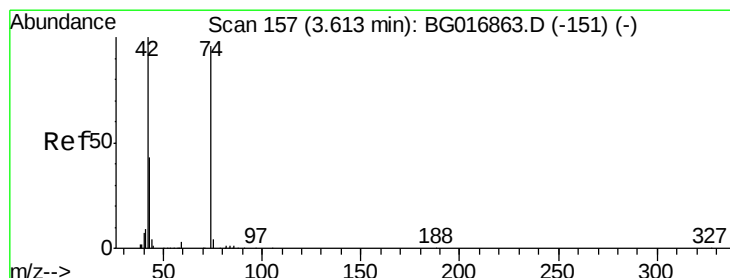
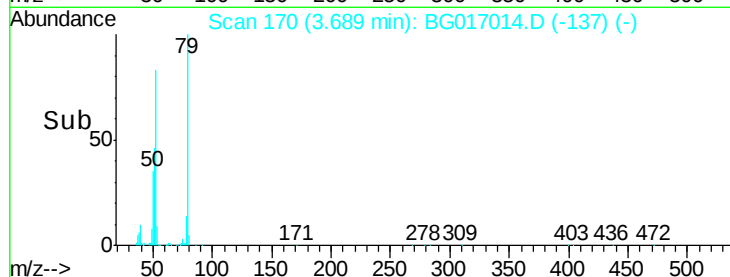
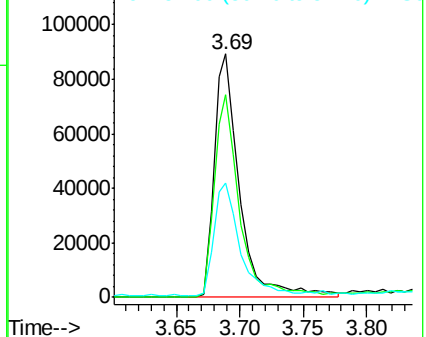
79 100

52 83.1 68.5 102.7

51 46.8 37.8 56.8



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: 22.51 ng

RT: 3.60 min Scan# 155

Delta R.T. -0.01 min

Lab File: BG017014.D

Acq: 10 May 2015 7:57

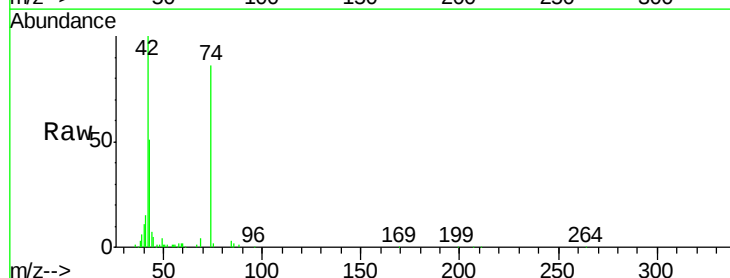
Tgt Ion: 42 Resp: 63097

Ion Ratio Lower Upper

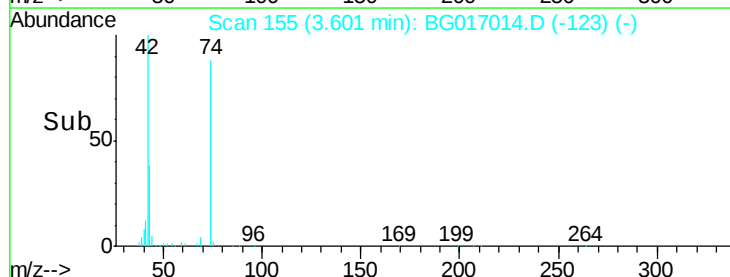
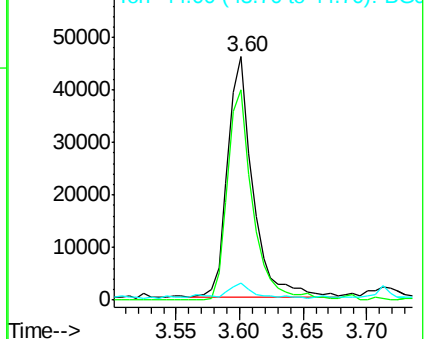
42 100

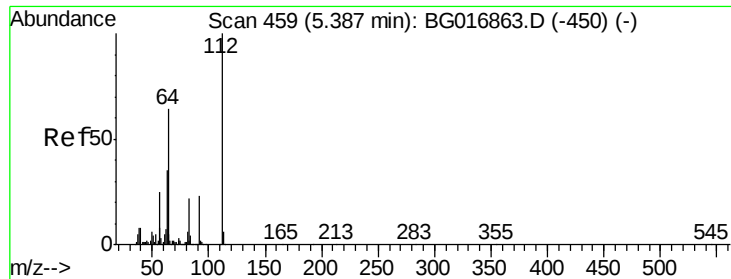
74 86.2 76.2 114.2

44 6.7 4.9 7.3



Abundance Ion 42.00 (41.70 to 42.70): BGC  
Ion 74.00 (73.70 to 74.70): BGC  
Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 127.59 ng

RT: 5.38 min Scan# 458

Delta R.T. -0.01 min

Lab File: BG017014.D

Acq: 10 May 2015 7:57

Instrument :

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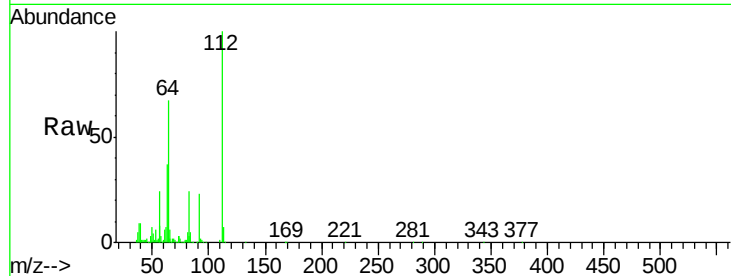
Tgt Ion: 112 Resp: 462371

Ion Ratio Lower Upper

112 100

64 66.6 51.4 77.2

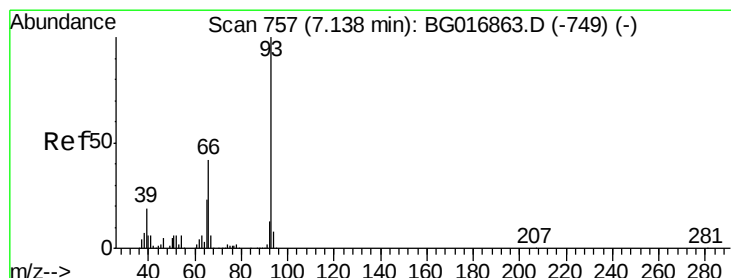
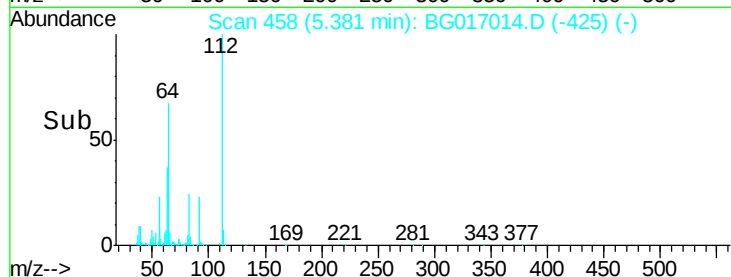
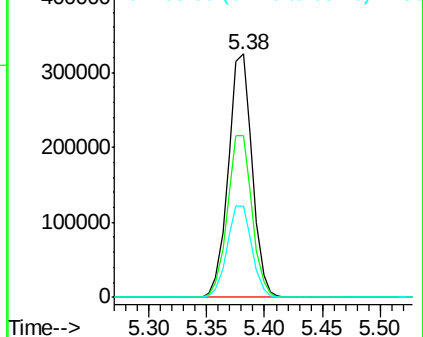
63 37.3 28.1 42.1



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 2.48 ng

RT: 7.13 min Scan# 756

Delta R.T. -0.01 min

Lab File: BG017014.D

Acq: 10 May 2015 7:57

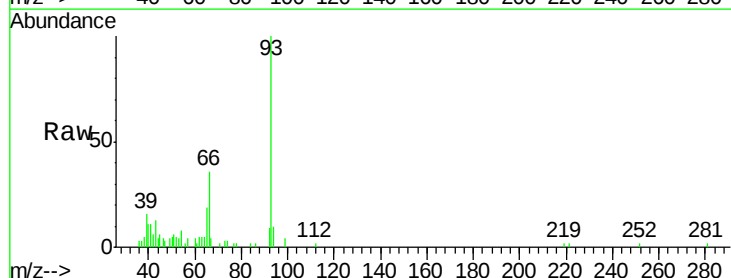
Tgt Ion: 93 Resp: 18043

Ion Ratio Lower Upper

93 100

66 36.4 33.8 50.6

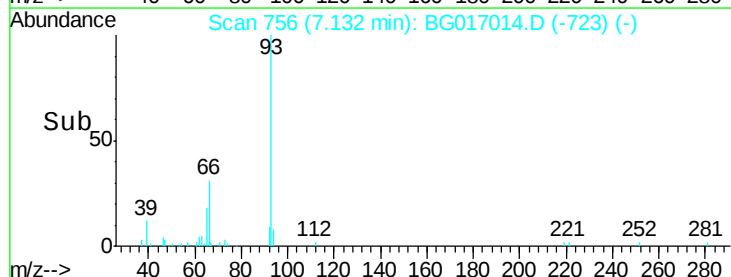
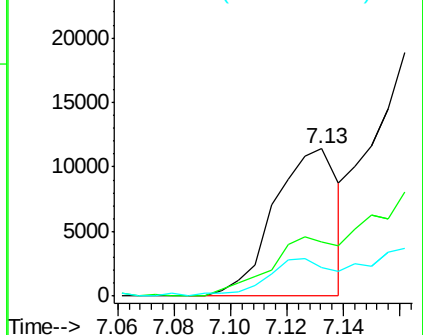
65 19.4 18.7 28.1



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: 117.14 ng

RT: 6.97 min Scan# 728

Delta R.T. -0.00 min

Lab File: BG017014.D

Acq: 10 May 2015 7:57

Instrument :

BNA\_G

ClientSampleId :

LAR9794-AMSD

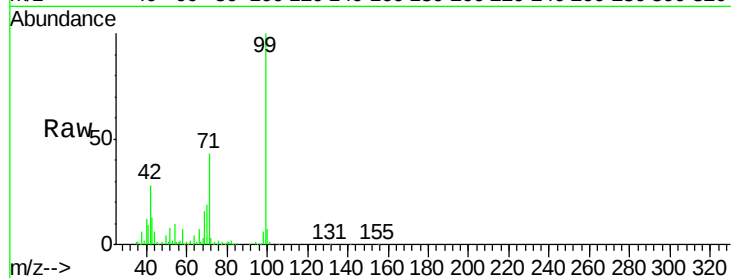
Tgt Ion: 99 Resp: 606439

Ion Ratio Lower Upper

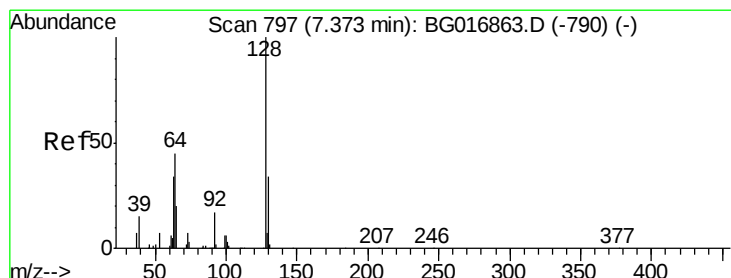
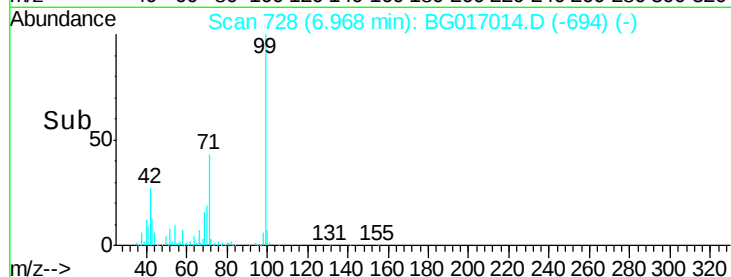
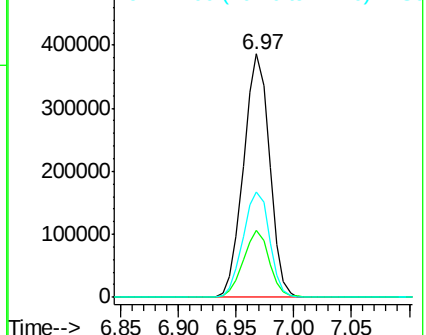
99 100

42 27.5 22.1 33.1

71 43.2 33.4 50.0



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: 42.36 ng

RT: 7.36 min Scan# 795

Delta R.T. -0.01 min

Lab File: BG017014.D

Acq: 10 May 2015 7:57

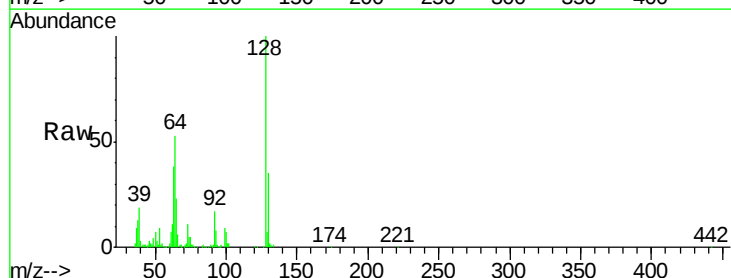
Tgt Ion: 128 Resp: 177826

Ion Ratio Lower Upper

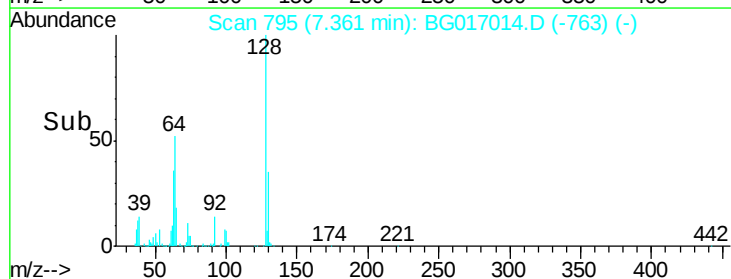
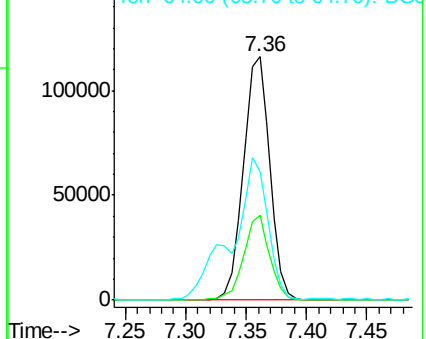
128 100

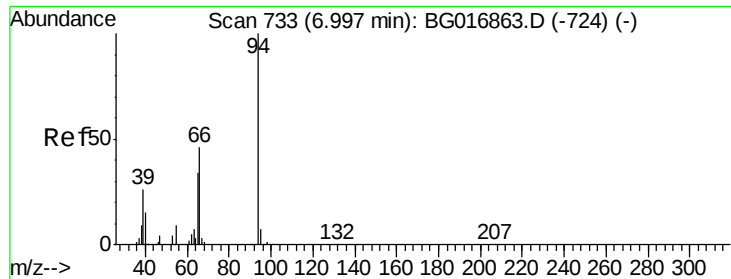
130 35.0 14.4 54.4

64 53.0 38.4 78.4



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





#10

Phenol

Concen: 39.23 ng

RT: 6.99 min Scan# 732

Delta R.T. -0.01 min

Lab File: BG017014.D

Acq: 10 May 2015 7:57

Instrument :

BNA\_G

ClientSampleId :

LAR9794-AMSD

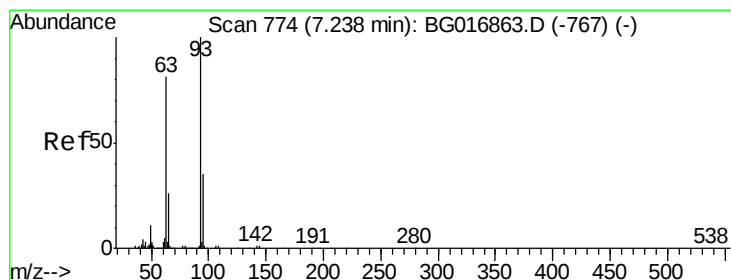
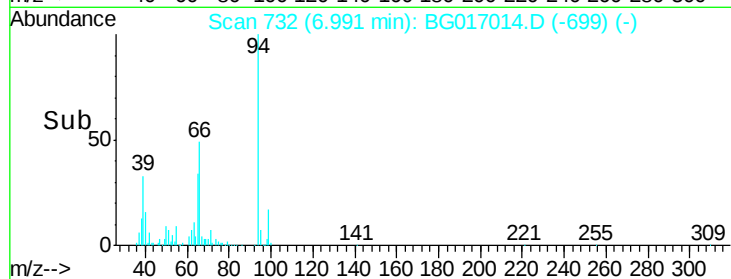
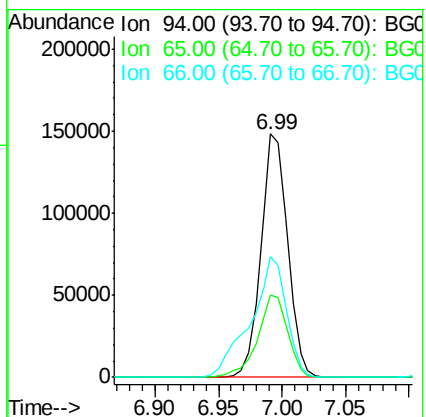
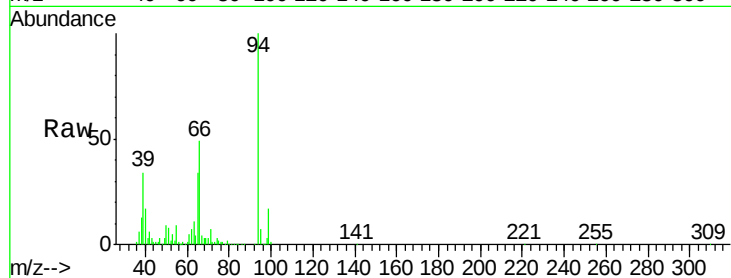
Tgt Ion: 94 Resp: 217783

Ion Ratio Lower Upper

94 100

65 34.0 14.3 54.3

66 49.4 26.9 66.9



#11

bis(2-Chloroethyl)ether

Concen: 42.17 ng

RT: 7.22 min Scan# 771

Delta R.T. -0.02 min

Lab File: BG017014.D

Acq: 10 May 2015 7:57

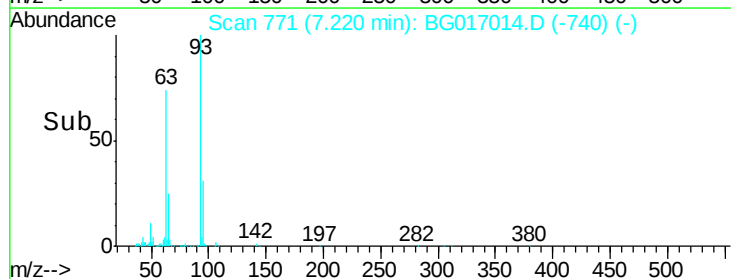
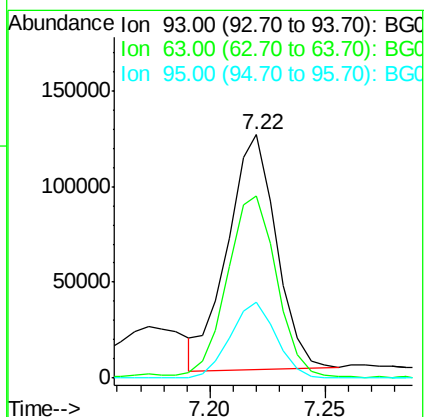
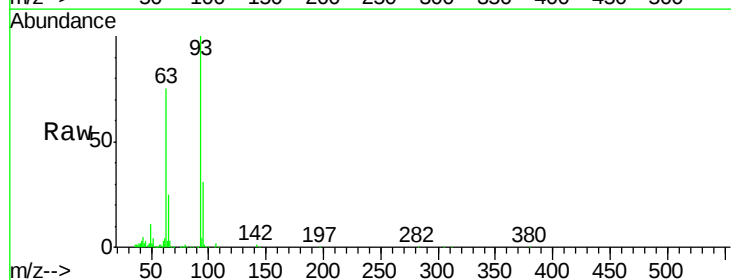
Tgt Ion: 93 Resp: 181041

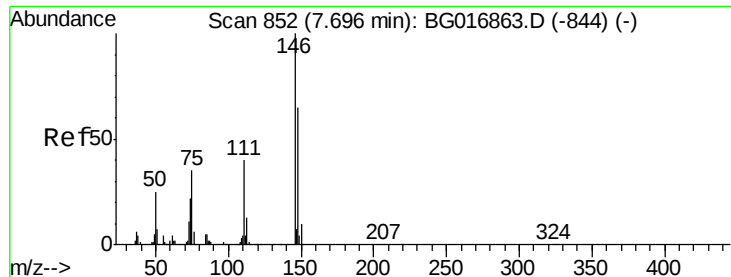
Ion Ratio Lower Upper

93 100

63 74.7 61.2 101.2

95 31.2 15.0 55.0





#12

1,3-Dichlorobenzene

Concen: 36.22 ng

RT: 7.68 min Scan# 849

Delta R.T. -0.02 min

Lab File: BG017014.D

Acq: 10 May 2015 7:57

Instrument :

BNA\_G

ClientSampleId :

LAR9794-AMSD

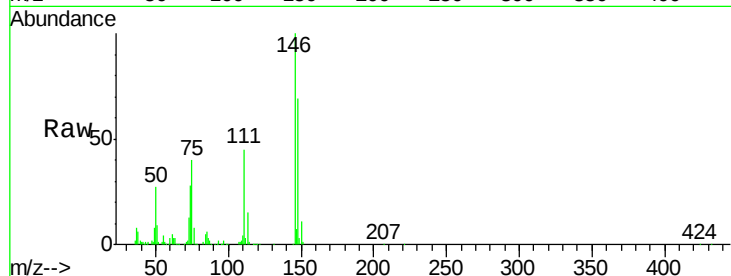
Tgt Ion:146 Resp: 167672

Ion Ratio Lower Upper

146 100

148 68.8 51.9 77.9

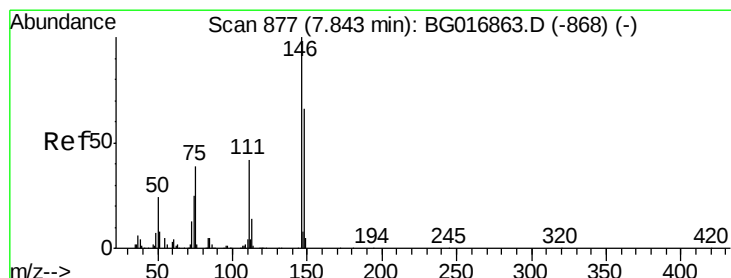
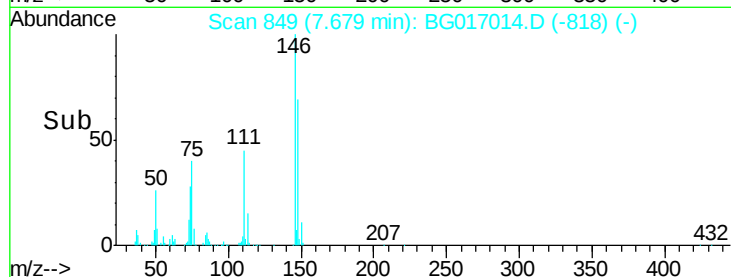
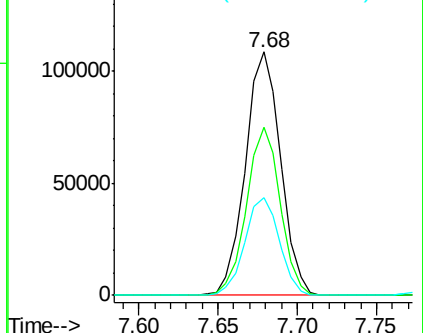
75 39.9 28.2 42.2



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: 36.73 ng

RT: 7.83 min Scan# 874

Delta R.T. -0.02 min

Lab File: BG017014.D

Acq: 10 May 2015 7:57

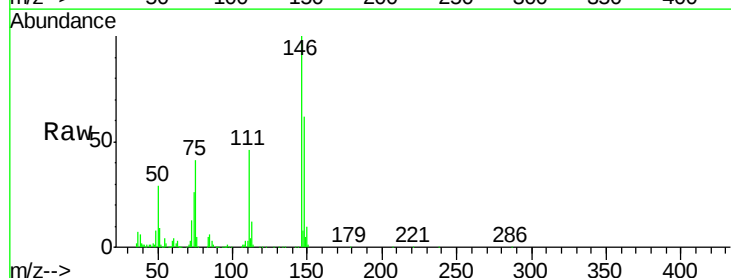
Tgt Ion:146 Resp: 172212

Ion Ratio Lower Upper

146 100

148 62.5 52.8 79.2

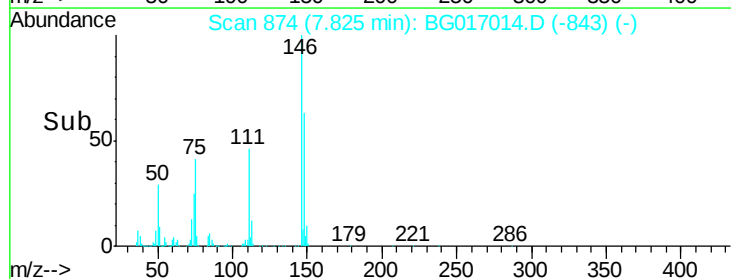
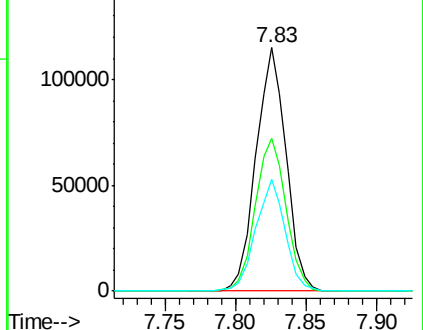
111 45.8 33.9 50.9

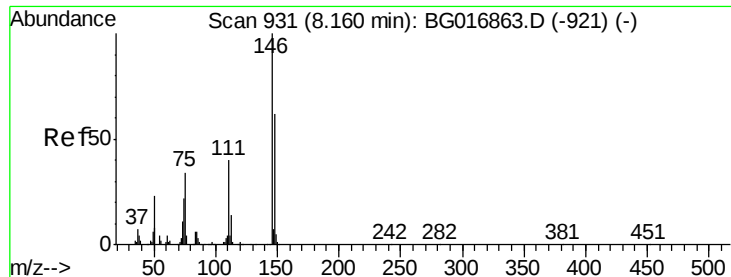


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

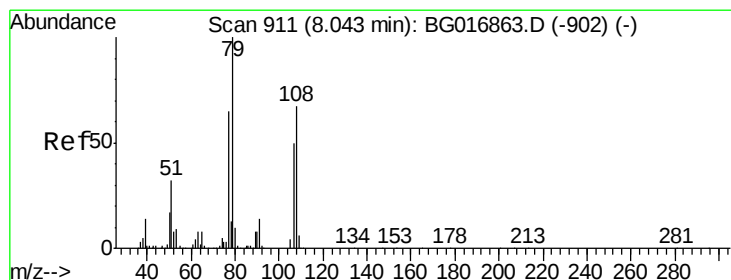
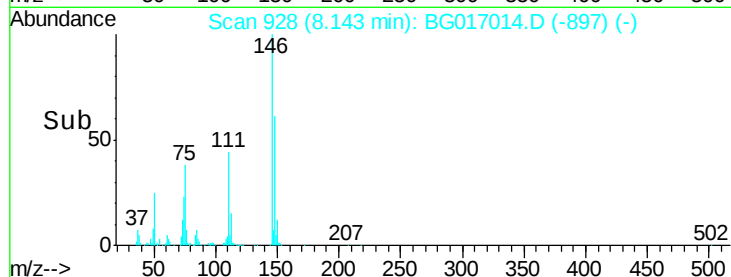
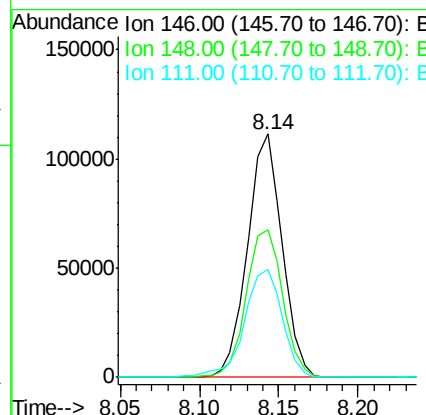
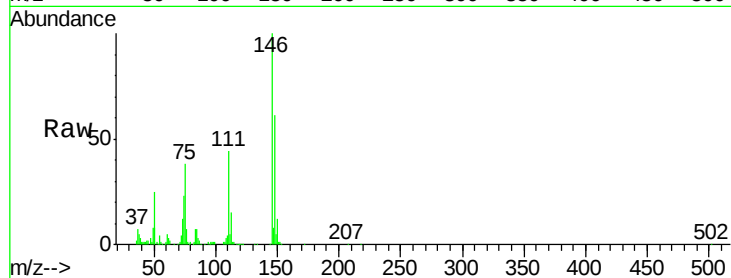




#14  
 1,2-Dichlorobenzene  
 Concen: 37.48 ng  
 RT: 8.14 min Scan# 928  
 Delta R.T. -0.02 min  
 Lab File: BG017014.D  
 Acq: 10 May 2015 7:57

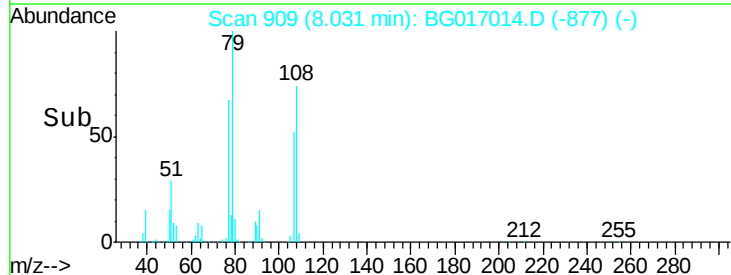
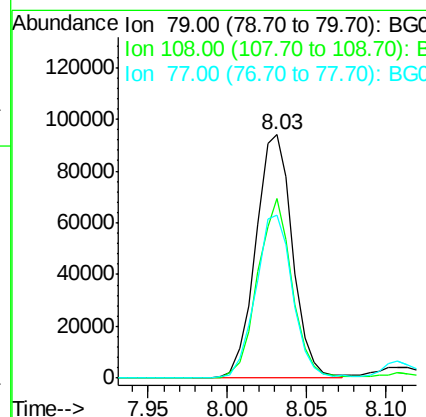
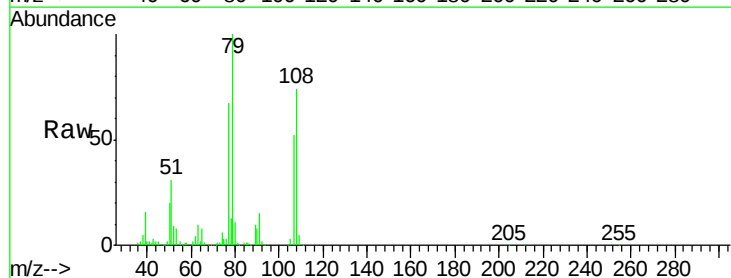
Instrument :  
 BNA\_G  
 ClientSampleId :  
 LAR9794-AMSD

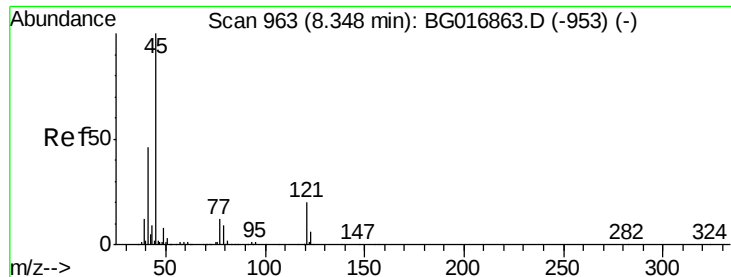
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 60.9  | 49.9  | 74.9  |
| 111     | 44.2  | 32.1  | 48.1  |



#15  
 Benzyl Alcohol  
 Concen: 32.08 ng  
 RT: 8.03 min Scan# 909  
 Delta R.T. -0.01 min  
 Lab File: BG017014.D  
 Acq: 10 May 2015 7:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 108     | 73.7  | 53.4  | 80.2  |
| 77      | 67.2  | 52.2  | 78.2  |

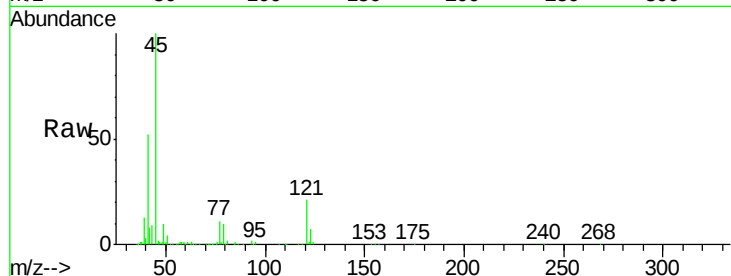




#16  
 2,2'-oxybis(1-chloropropane)  
 Concen: 37.02 ng  
 RT: 8.32 min Scan# 959  
 Delta R.T. -0.02 min  
 Lab File: BG017014.D  
 Acq: 10 May 2015 7:57

Instrument :  
 BNA\_G  
 ClientSampleId :  
 LAR9794-AMSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 294165 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 77       | 10.6  | 0.0   | 31.8   |
| 79       | 10.3  | 0.0   | 29.1   |

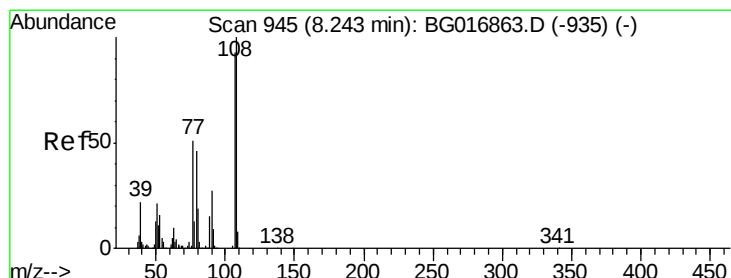
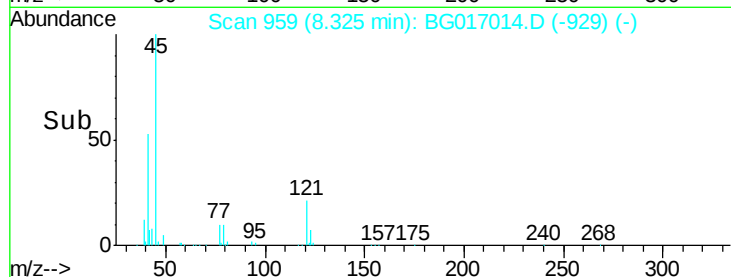
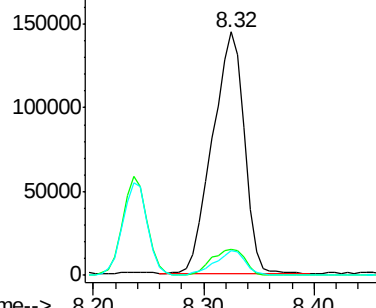


Abundance

Ion 45.00 (44.70 to 45.70): BGC

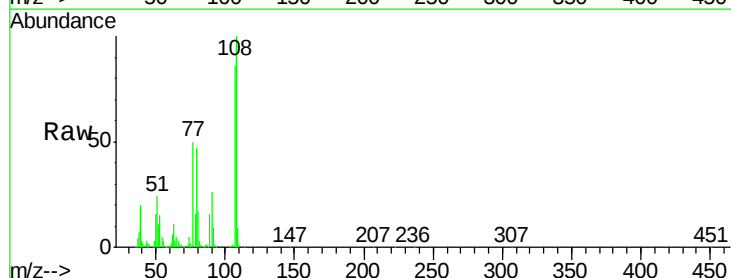
Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC



#17  
 2-Methylphenol  
 Concen: 40.86 ng  
 RT: 8.24 min Scan# 944  
 Delta R.T. -0.01 min  
 Lab File: BG017014.D  
 Acq: 10 May 2015 7:57

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 159739 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 116.6 | 85.9  | 128.9  |
| 77       | 58.1  | 43.8  | 65.6   |
| 79       | 54.4  | 39.8  | 59.6   |



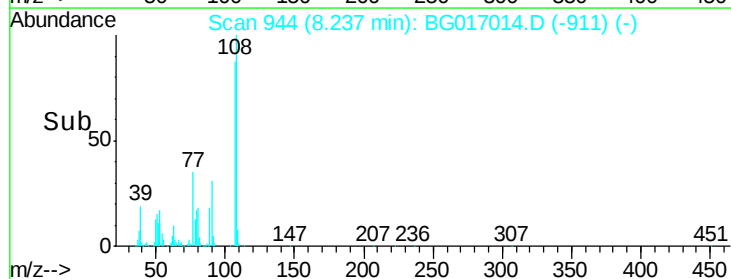
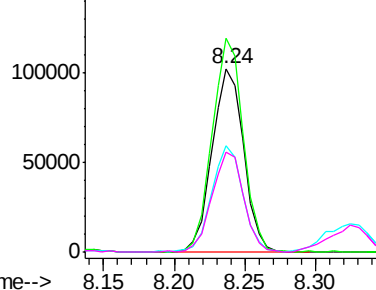
Abundance

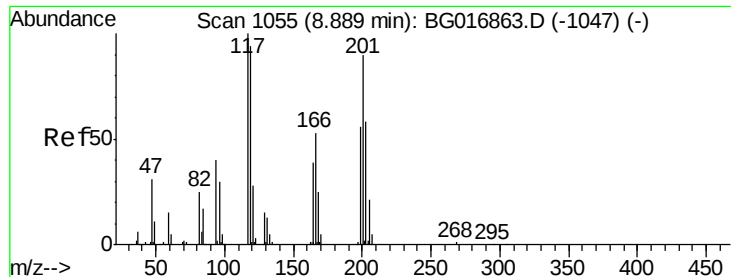
Ion 107.00 (106.70 to 107.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC

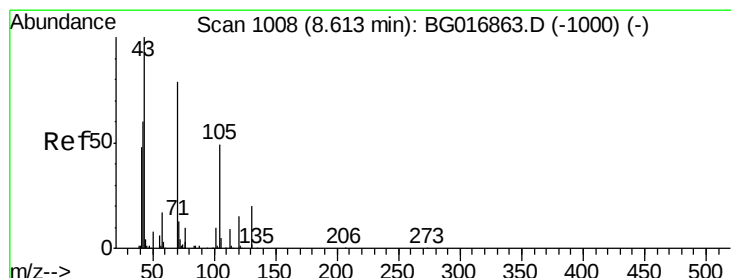
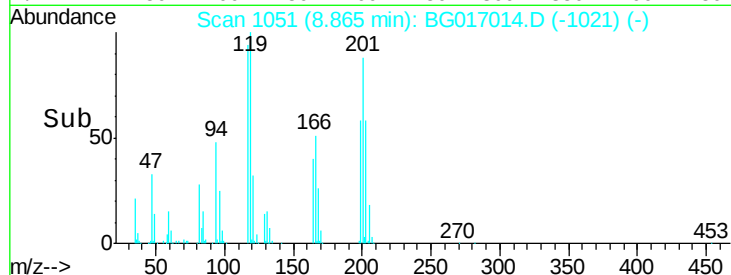
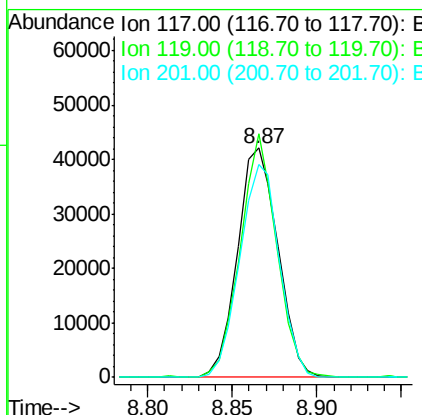
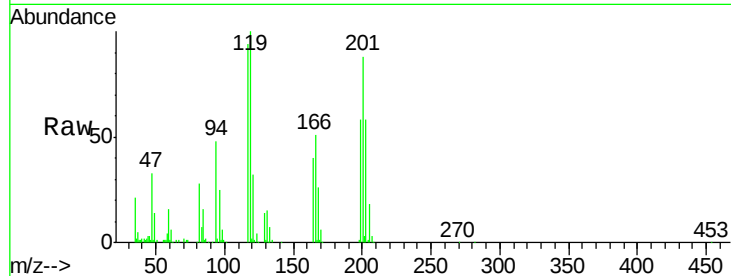




#18  
Hexachloroethane  
Concen: 36.27 ng  
RT: 8.87 min Scan# 1051  
Delta R.T. -0.02 min  
Lab File: BG017014.D  
Acq: 10 May 2015 7:57

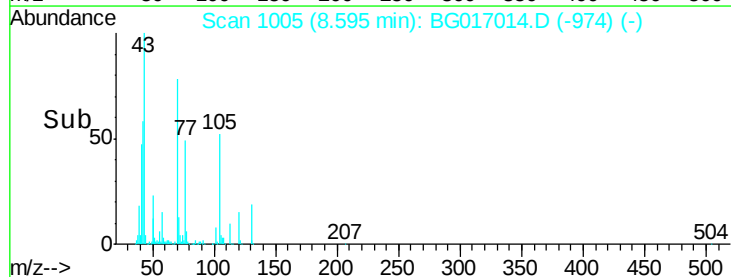
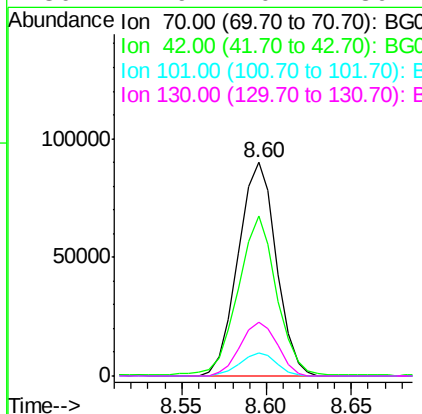
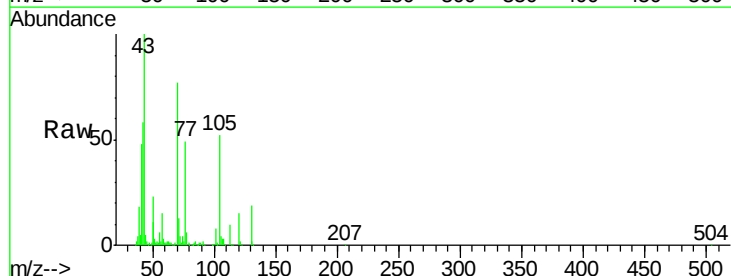
Instrument :  
BNA\_G  
ClientSampleId :  
LAR9794-AMSD

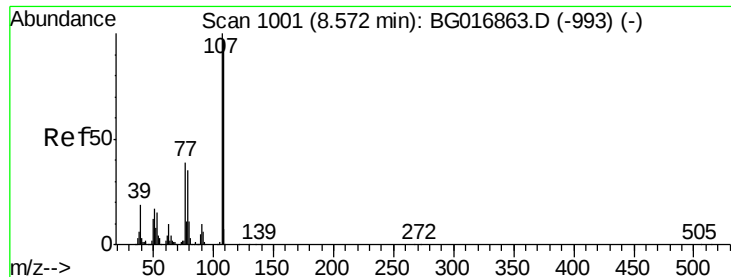
Tgt Ion: 117 Resp: 69907  
Ion Ratio Lower Upper  
117 100  
119 106.4 74.8 112.2  
201 93.1 72.1 108.1



#19  
n-Nitroso-di-n-propylamine  
Concen: 31.18 ng  
RT: 8.60 min Scan# 1005  
Delta R.T. -0.02 min  
Lab File: BG017014.D  
Acq: 10 May 2015 7:57

Tgt Ion: 70 Resp: 141557  
Ion Ratio Lower Upper  
70 100  
42 75.2 61.5 92.3  
101 10.9 9.8 14.6  
130 24.9 20.2 30.4

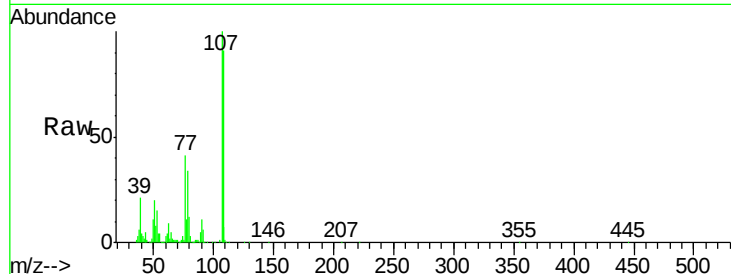




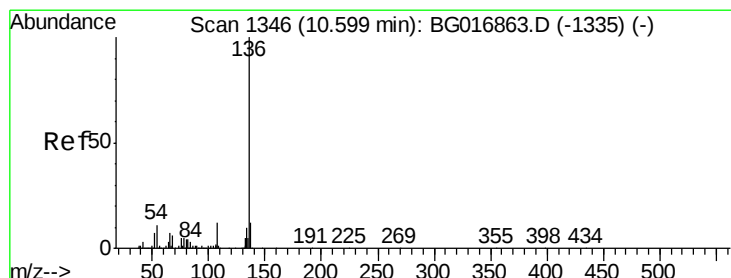
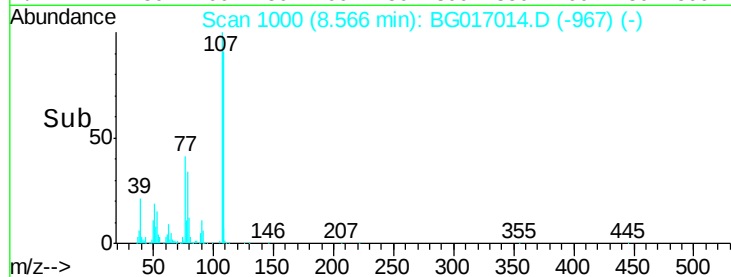
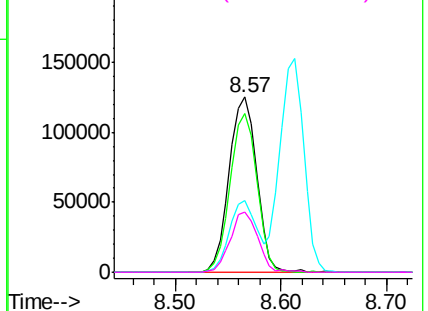
#20  
3+4-Methylphenols  
Concen: 41.85 ng  
RT: 8.57 min Scan# 1000  
Delta R.T. -0.01 min  
Lab File: BG017014.D  
Acq: 10 May 2015 7:57

Instrument :  
BNA\_G  
ClientSampleId :  
LAR9794-AMSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 225469 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 90.9  | 76.6  | 116.6  |
| 77       | 41.1  | 19.0  | 59.0   |
| 79       | 34.4  | 15.0  | 55.0   |

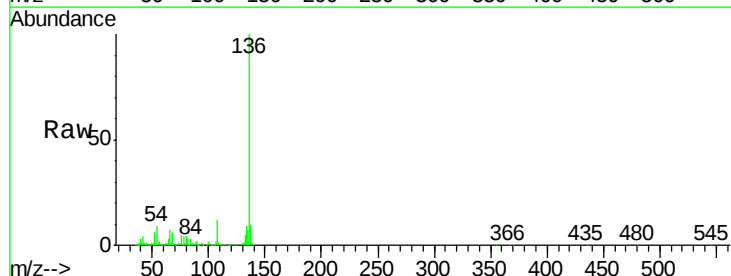


Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 77.00 (76.70 to 77.70): BGC  
Ion 79.00 (78.70 to 79.70): BGC

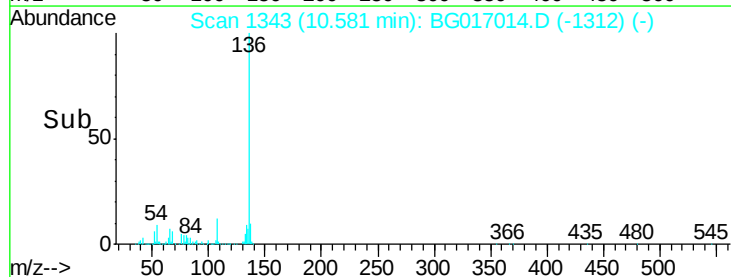
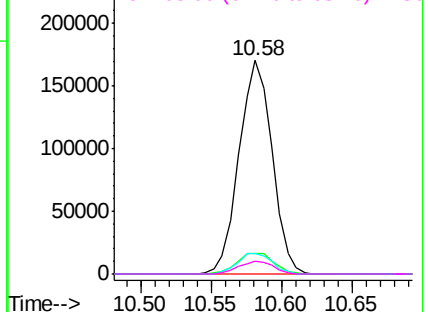


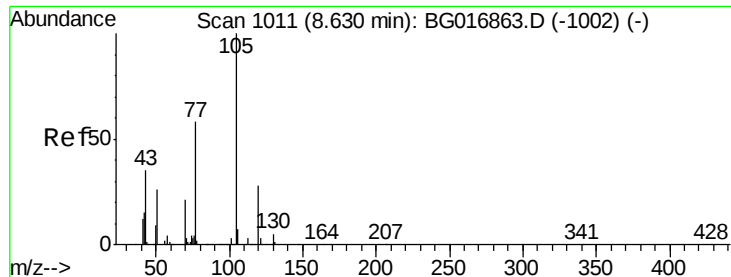
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.58 min Scan# 1343  
Delta R.T. -0.02 min  
Lab File: BG017014.D  
Acq: 10 May 2015 7:57

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 279496 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 9.6   | 9.8   | 14.8#  |
| 54       | 9.3   | 8.7   | 13.1   |
| 68       | 5.8   | 5.0   | 7.4    |



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: 41.92 ng

RT: 8.61 min Scan# 1008

Delta R.T. -0.02 min

Lab File: BG017014.D

Acq: 10 May 2015 7:57

Instrument :

BNA\_G

ClientSampleId :

LAR9794-AMSD

Tgt Ion:105 Resp: 279093

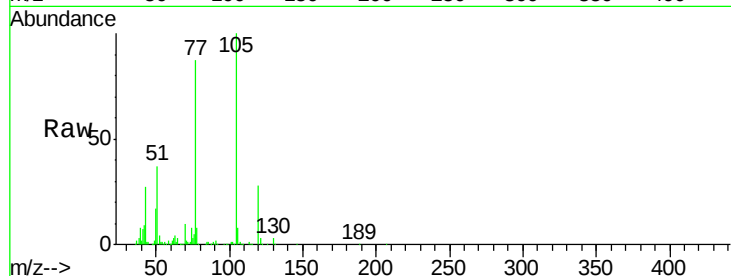
Ion Ratio Lower Upper

105 100

71 1.9 2.8 4.2#

51 37.3 29.4 44.2

120 28.2 22.2 33.4

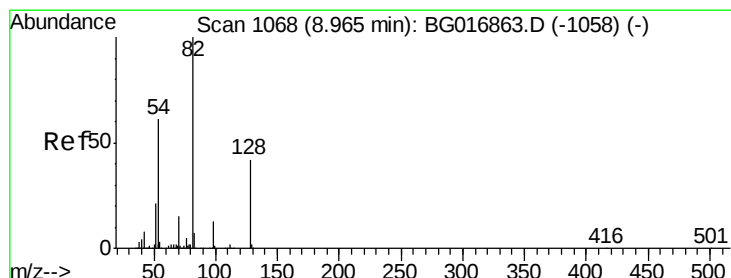
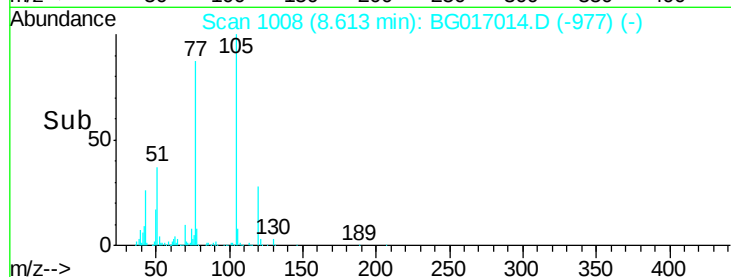
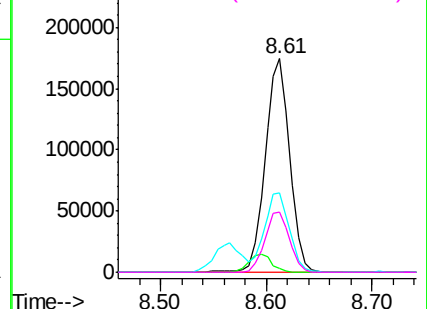


Abundance Ion 105.00 (104.70 to 105.70): E

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: 81.63 ng

RT: 8.95 min Scan# 1065

Delta R.T. -0.02 min

Lab File: BG017014.D

Acq: 10 May 2015 7:57

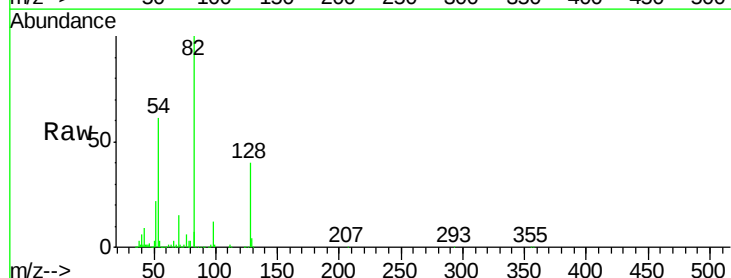
Tgt Ion: 82 Resp: 467023

Ion Ratio Lower Upper

82 100

128 39.7 33.2 49.8

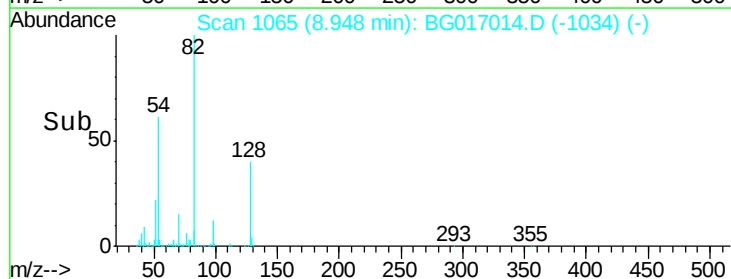
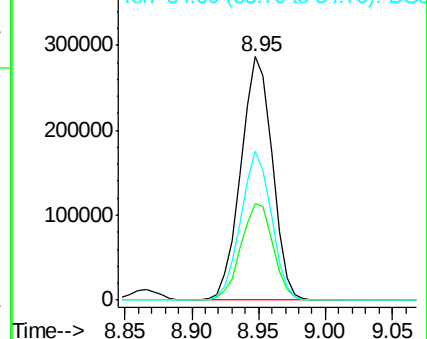
54 61.2 48.6 72.8

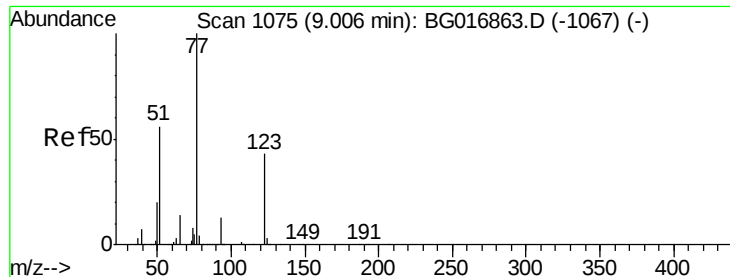


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

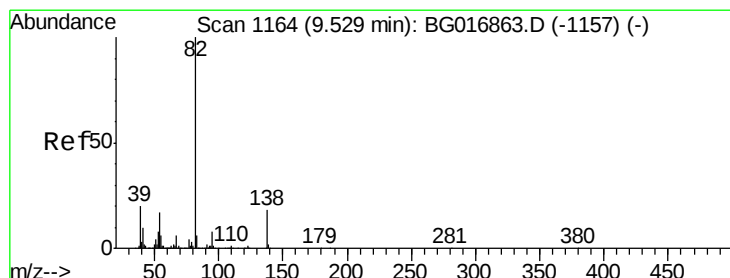
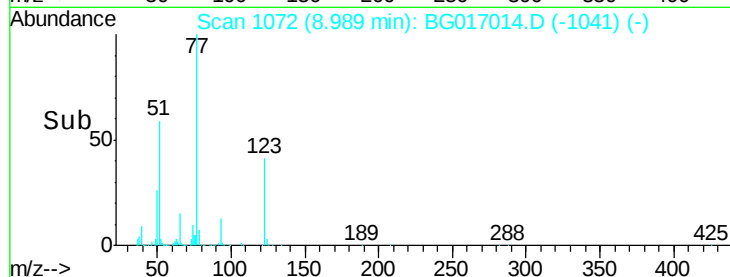
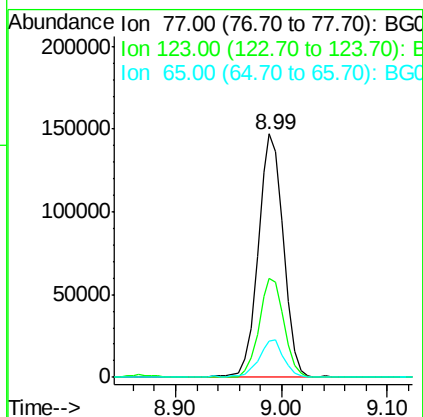
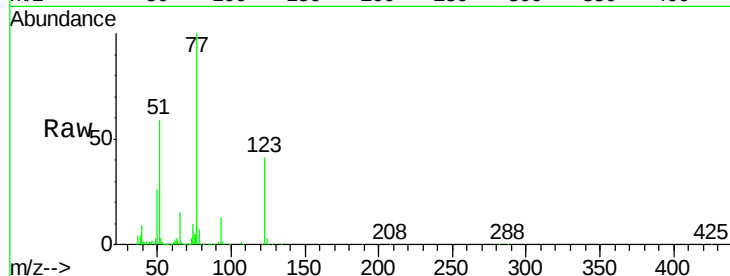




#24  
 Nitrobenzene  
 Concen: 42.30 ng  
 RT: 8.99 min Scan# 1072  
 Delta R.T. -0.02 min  
 Lab File: BG017014.D  
 Acq: 10 May 2015 7:57

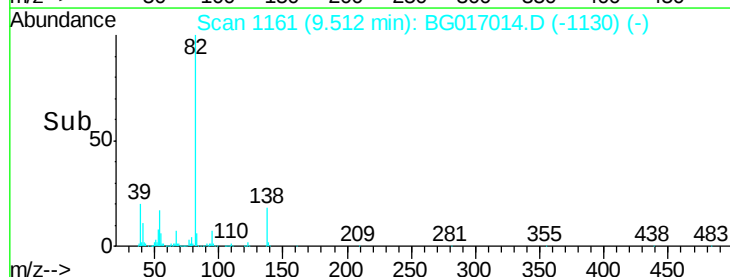
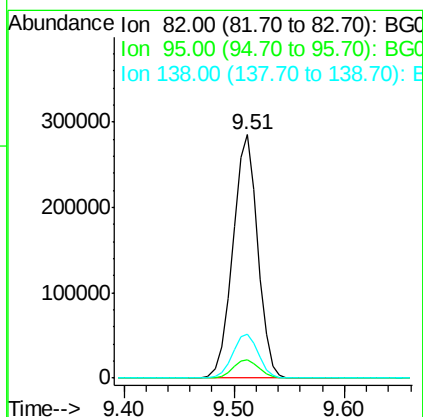
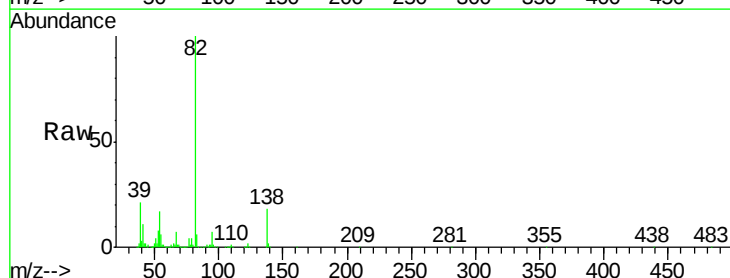
Instrument :  
 BNA\_G  
 ClientSampleId :  
 LAR9794-AMSD

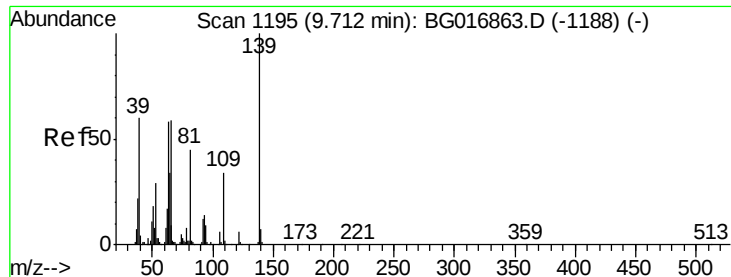
Tgt Ion: 77 Resp: 244413  
 Ion Ratio Lower Upper  
 77 100  
 123 40.6 34.0 51.0  
 65 15.0 11.2 16.8



#25  
 Isophorone  
 Concen: 38.90 ng  
 RT: 9.51 min Scan# 1161  
 Delta R.T. -0.02 min  
 Lab File: BG017014.D  
 Acq: 10 May 2015 7:57

Tgt Ion: 82 Resp: 449356  
 Ion Ratio Lower Upper  
 82 100  
 95 7.5 6.7 10.1  
 138 18.1 14.7 22.1

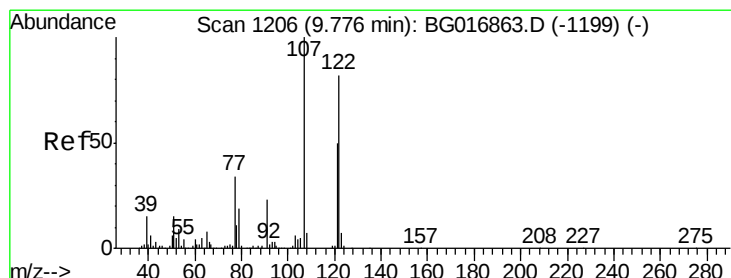
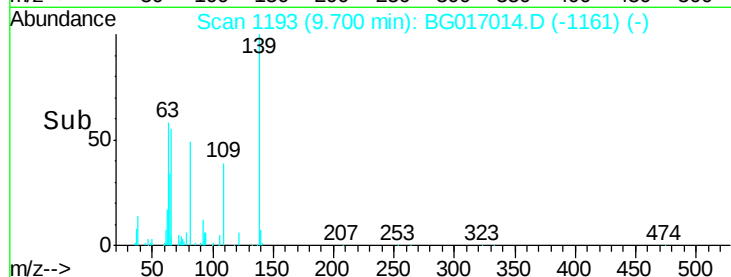
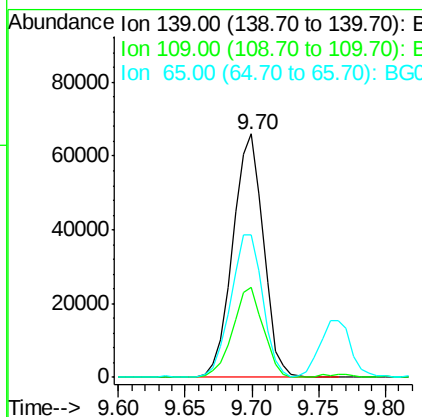
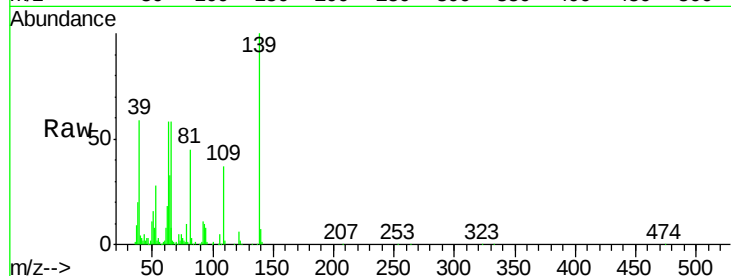




#26  
2-Nitrophenol  
Concen: 44.77 ng  
RT: 9.70 min Scan# 1193  
Delta R.T. -0.01 min  
Lab File: BG017014.D  
Acq: 10 May 2015 7:57

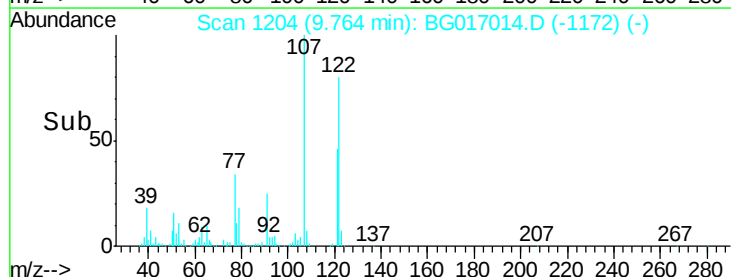
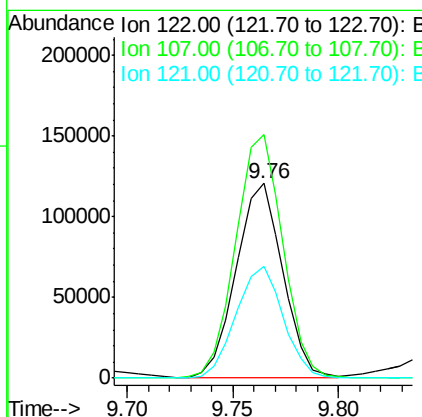
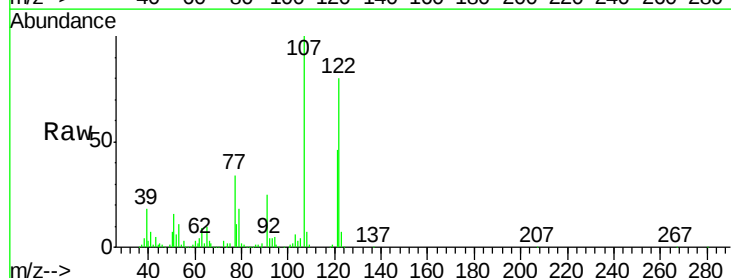
Instrument :  
BNA\_G  
ClientSampleId :  
LAR9794-AMSD

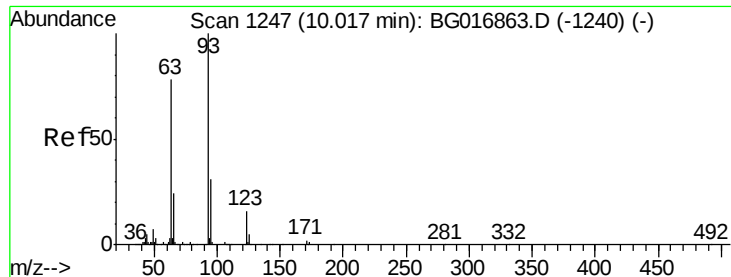
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 37.1  | 27.4  | 41.2  |
| 65      | 58.3  | 47.1  | 70.7  |



#27  
2,4-Dimethylphenol  
Concen: 43.11 ng  
RT: 9.76 min Scan# 1204  
Delta R.T. -0.01 min  
Lab File: BG017014.D  
Acq: 10 May 2015 7:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 125.1 | 97.6  | 146.4 |
| 121     | 57.3  | 48.4  | 72.6  |

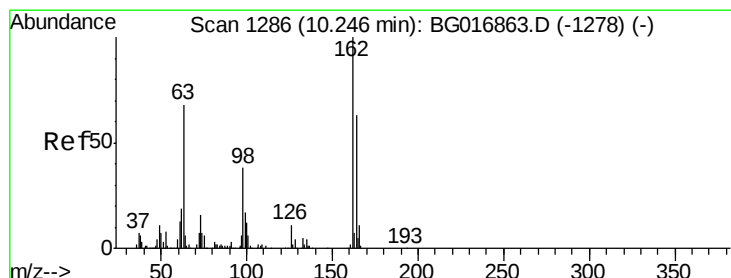
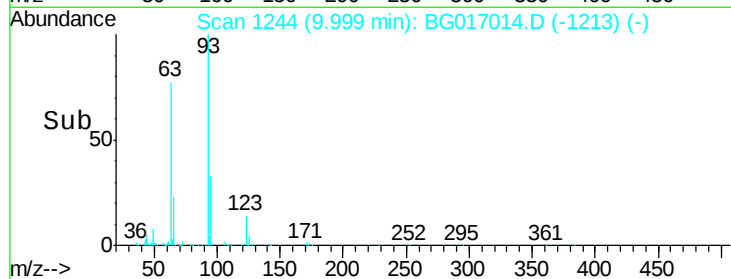
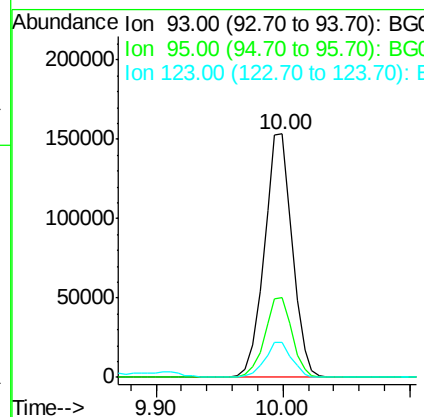
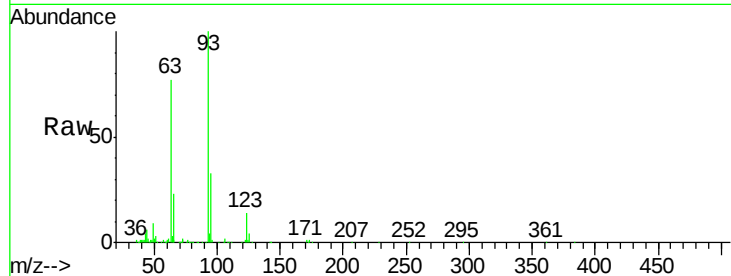




#28  
bis(2-Chloroethoxy)methane  
Concen: 40.29 ng  
RT: 10.00 min Scan# 1244  
Delta R.T. -0.02 min  
Lab File: BG017014.D  
Acq: 10 May 2015 7:57

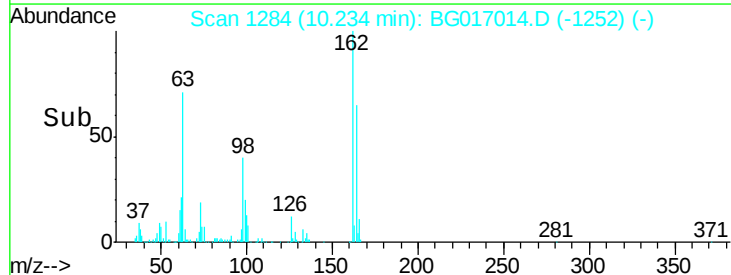
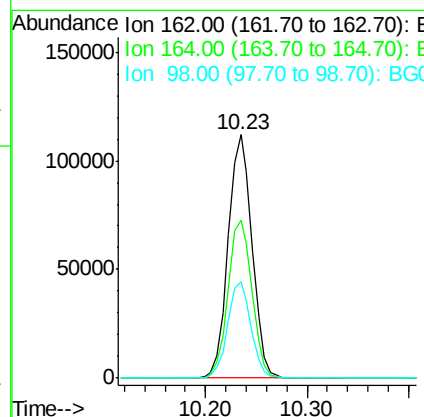
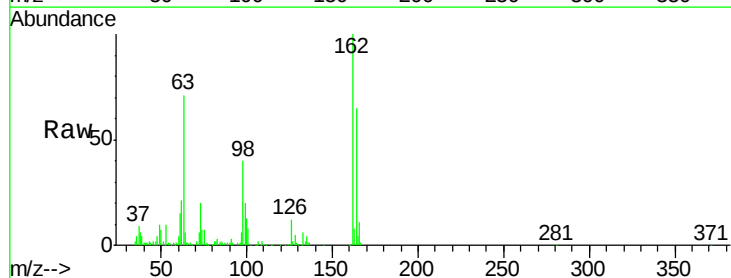
Instrument :  
BNA\_G  
ClientSampleId :  
LAR9794-AMSD

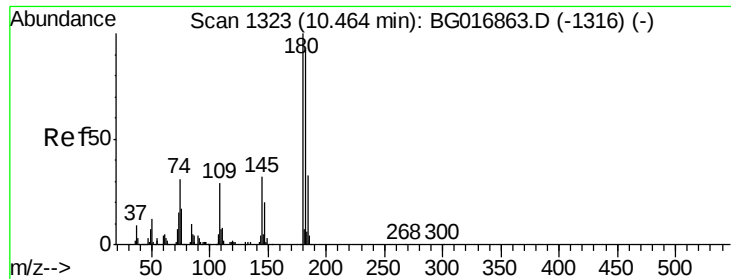
Tgt Ion: 93 Resp: 234950  
Ion Ratio Lower Upper  
93 100  
95 32.8 24.8 37.2  
123 14.2 12.6 19.0



#29  
2,4-Dichlorophenol  
Concen: 45.38 ng  
RT: 10.23 min Scan# 1284  
Delta R.T. -0.01 min  
Lab File: BG017014.D  
Acq: 10 May 2015 7:57

Tgt Ion: 162 Resp: 182520  
Ion Ratio Lower Upper  
162 100  
164 64.9 42.9 82.9  
98 39.5 18.4 58.4

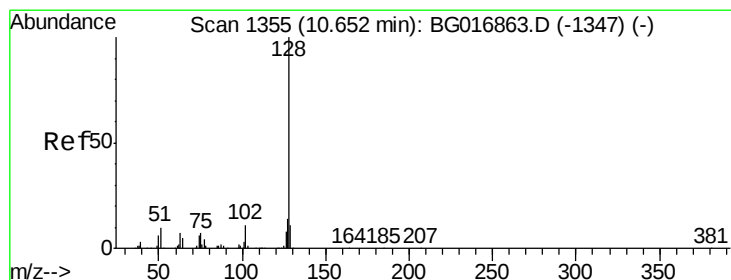
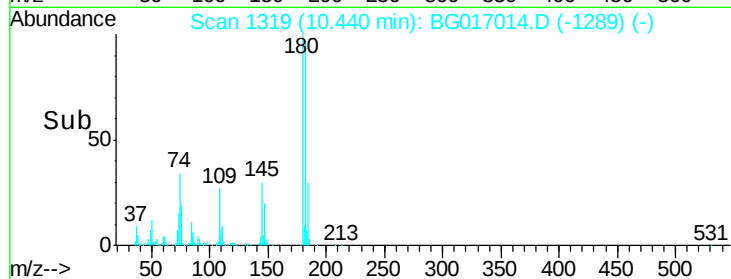
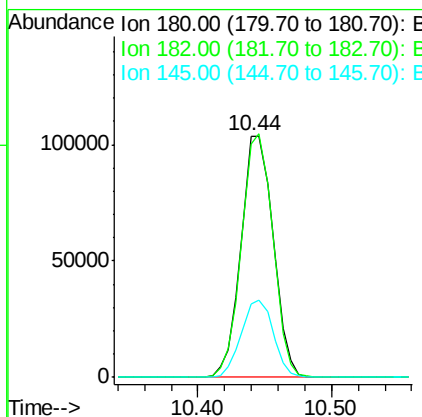
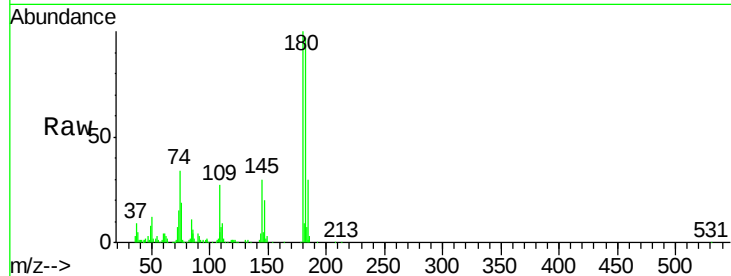




#30  
 1,2,4-Trichlorobenzene  
 Concen: 40.57 ng  
 RT: 10.44 min Scan# 1319  
 Delta R.T. -0.02 min  
 Lab File: BG017014.D  
 Acq: 10 May 2015 7:57

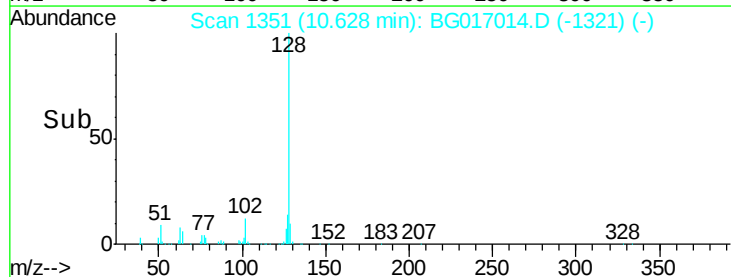
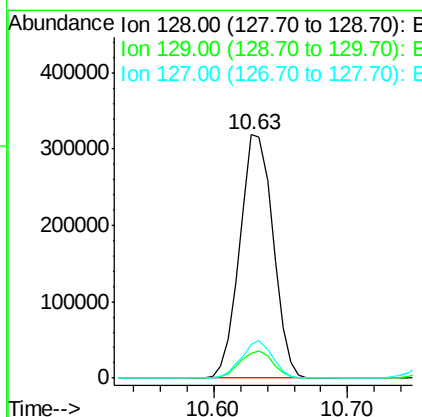
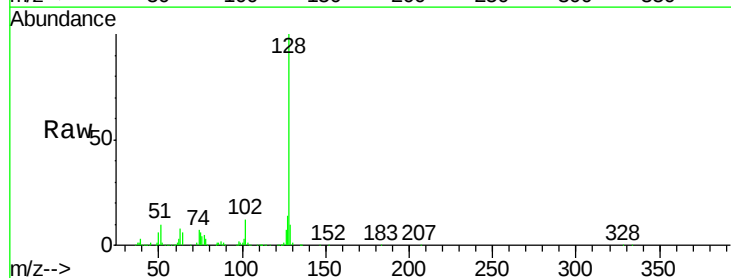
Instrument :  
 BNA\_G  
 ClientSampleId :  
 LAR9794-AMSD

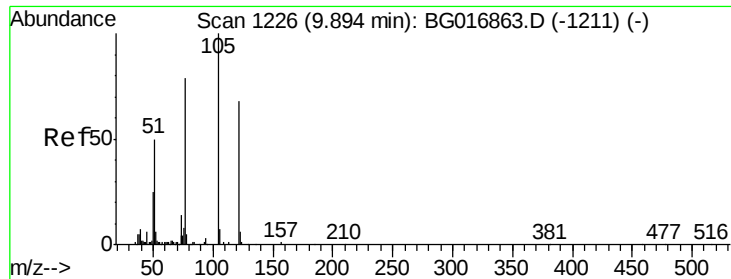
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 97.0  | 73.8  | 110.8 |
| 145     | 30.4  | 25.4  | 38.0  |



#31  
 Naphthalene  
 Concen: 39.53 ng  
 RT: 10.63 min Scan# 1351  
 Delta R.T. -0.02 min  
 Lab File: BG017014.D  
 Acq: 10 May 2015 7:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 10.2  | 9.1   | 13.7  |
| 127     | 13.7  | 10.9  | 16.3  |

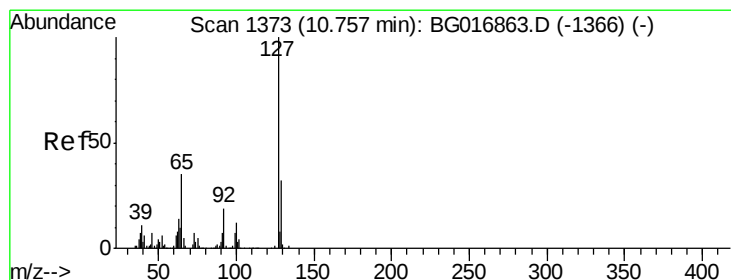
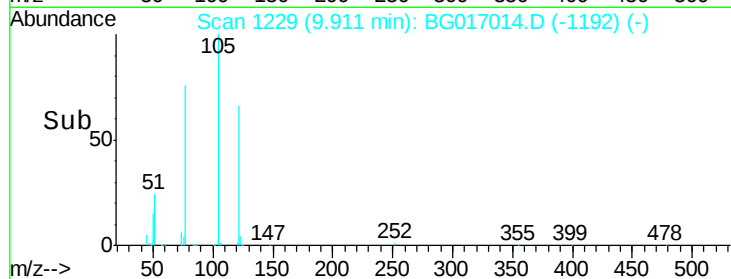
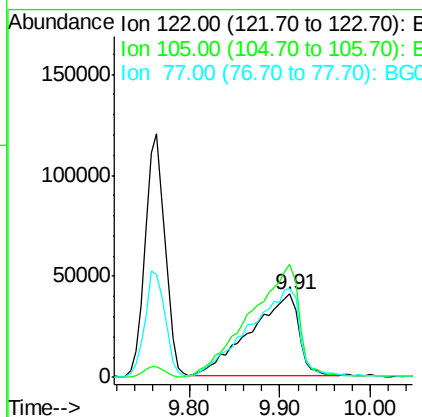
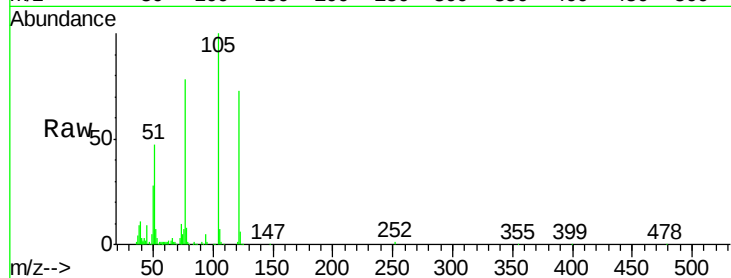




#32  
Benzoic acid  
Concen: 55.72 ng  
RT: 9.91 min Scan# 1229  
Delta R.T. 0.02 min  
Lab File: BG017014.D  
Acq: 10 May 2015 7:57

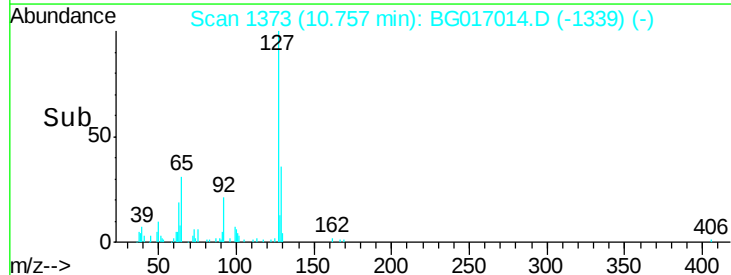
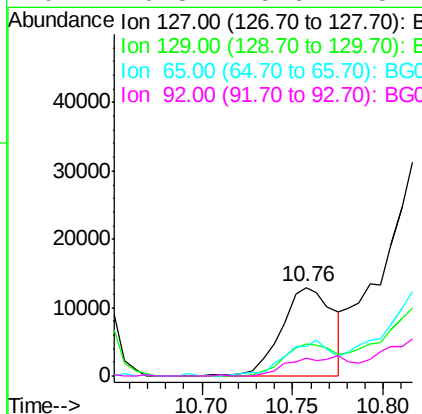
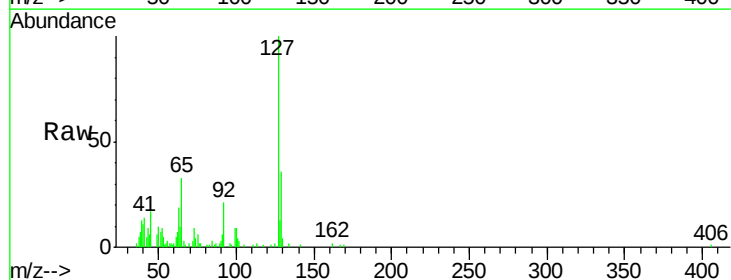
Instrument :  
BNA\_G  
ClientSampleId :  
LAR9794-AMSD

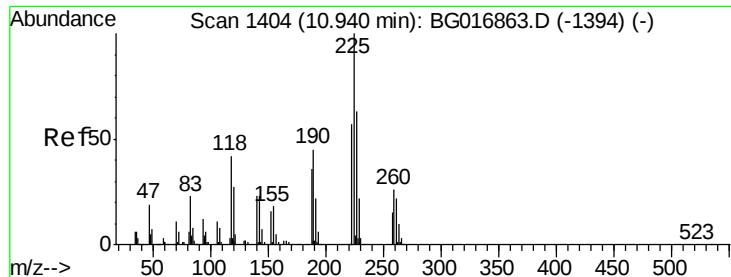
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 105     | 136.3 | 123.2 | 163.2 |
| 77      | 106.1 | 93.0  | 133.0 |



#33  
4-Chloroaniline  
Concen: 4.02 ng  
RT: 10.76 min Scan# 1373  
Delta R.T. -0.00 min  
Lab File: BG017014.D  
Acq: 10 May 2015 7:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 127     | 100   |       |       |
| 129     | 35.8  | 25.8  | 38.6  |
| 65      | 32.8  | 28.2  | 42.2  |
| 92      | 20.8  | 15.6  | 23.4  |





#34

Hexachlorobutadiene

Concen: 39.46 ng

RT: 10.92 min Scan# 1400

Delta R.T. -0.02 min

Lab File: BG017014.D

Acq: 10 May 2015 7:57

Instrument :

BNA\_G

ClientSampleId :

LAR9794-AMSD

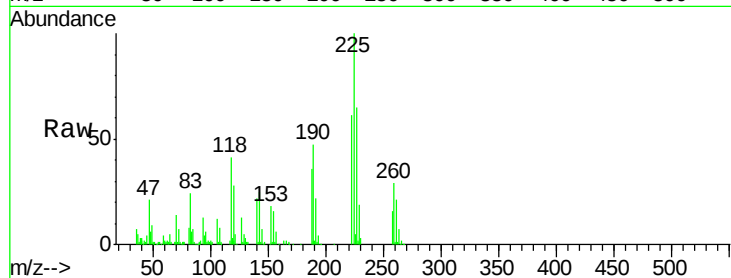
Tgt Ion: 225 Resp: 105337

Ion Ratio Lower Upper

225 100

223 61.1 45.8 68.6

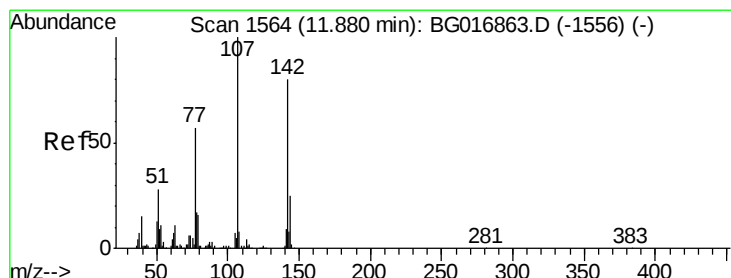
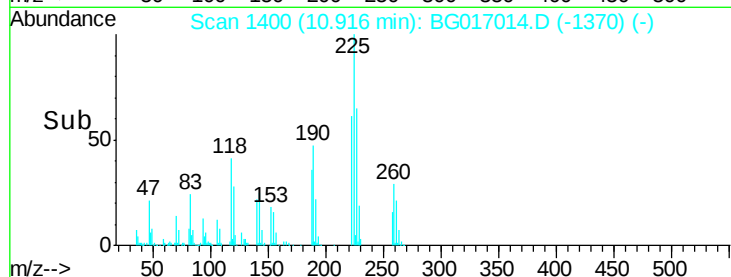
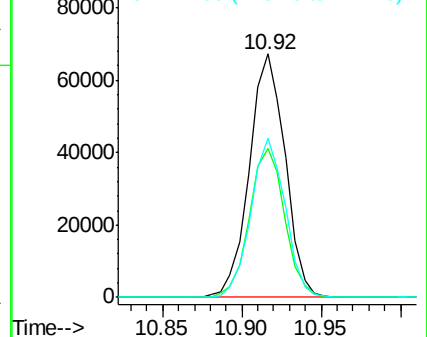
227 65.3 50.7 76.1



Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E



#36

4-Chloro-3-methylphenol

Concen: 45.76 ng

RT: 11.87 min Scan# 1563

Delta R.T. -0.01 min

Lab File: BG017014.D

Acq: 10 May 2015 7:57

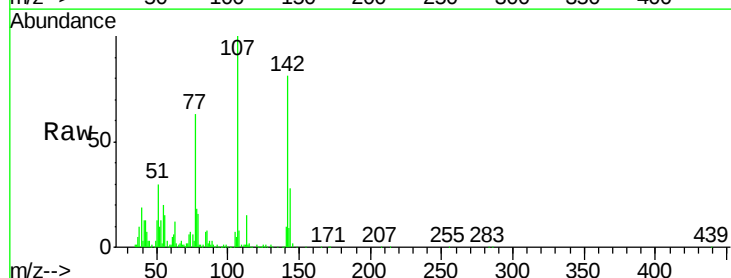
Tgt Ion: 107 Resp: 235673

Ion Ratio Lower Upper

107 100

144 28.3 20.2 30.2

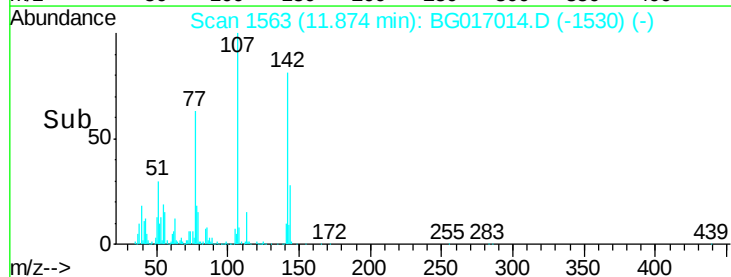
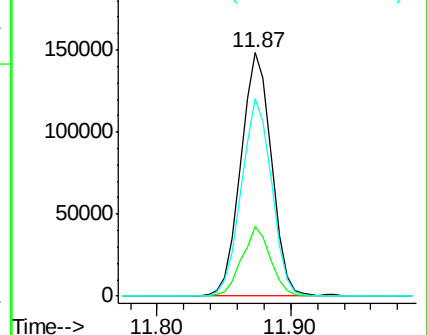
142 81.0 64.2 96.2

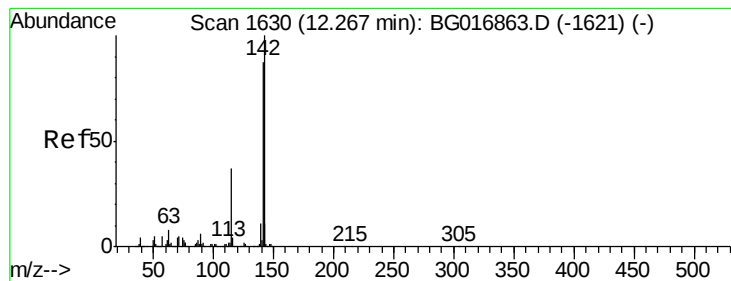


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 40.68 ng

RT: 12.24 min Scan# 1626

Delta R.T. -0.02 min

Lab File: BG017014.D

Acq: 10 May 2015 7:57

Instrument :

BNA\_G

ClientSampleId :

LAR9794-AMSD

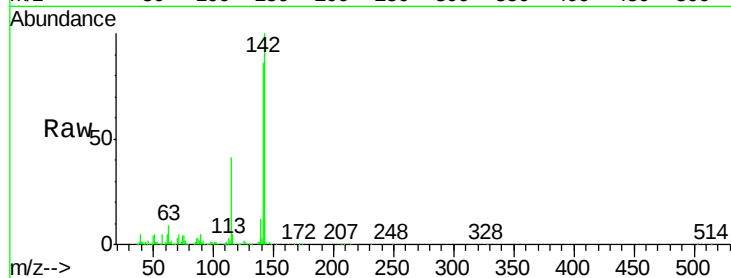
Tgt Ion:142 Resp: 430766

Ion Ratio Lower Upper

142 100

141 86.5 69.9 104.9

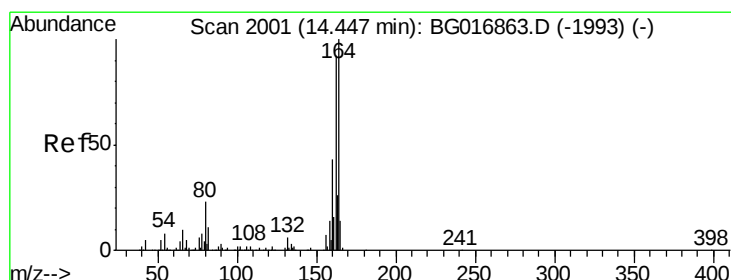
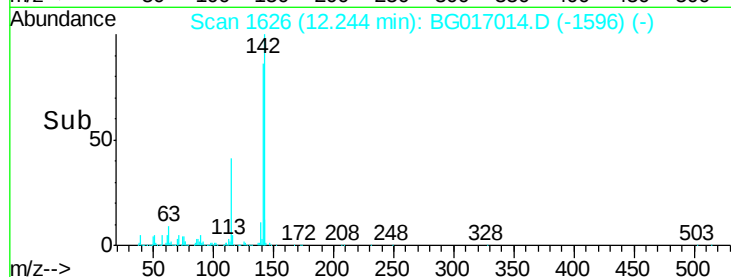
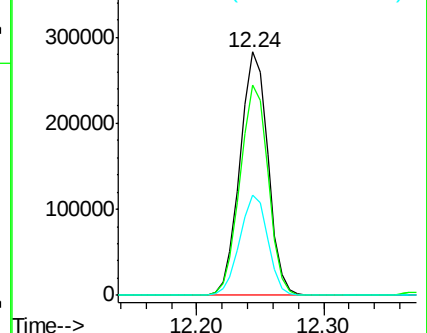
115 41.1 29.8 44.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.43 min Scan# 1998

Delta R.T. -0.02 min

Lab File: BG017014.D

Acq: 10 May 2015 7:57

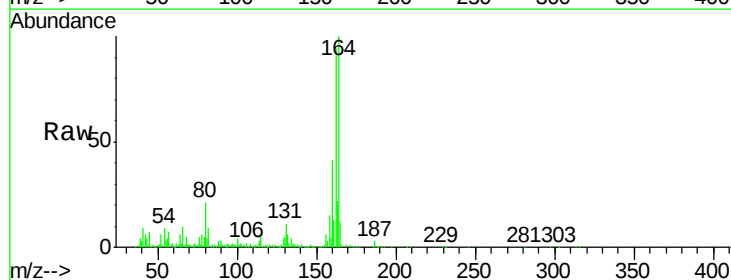
Tgt Ion:164 Resp: 191132

Ion Ratio Lower Upper

164 100

162 94.5 74.0 111.0

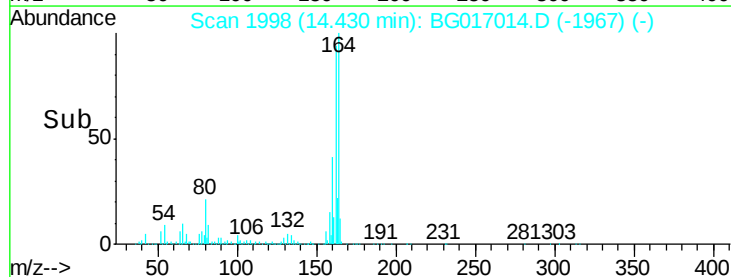
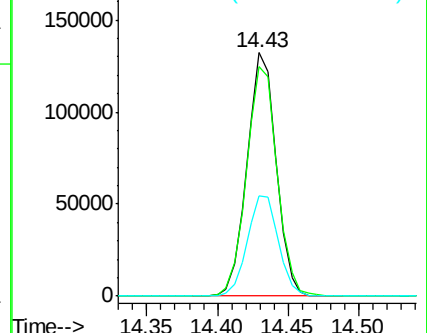
160 41.3 34.7 52.1

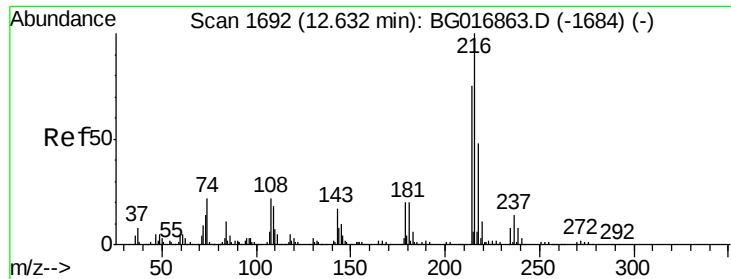


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

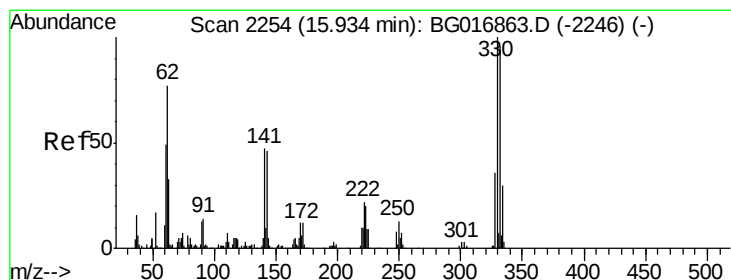
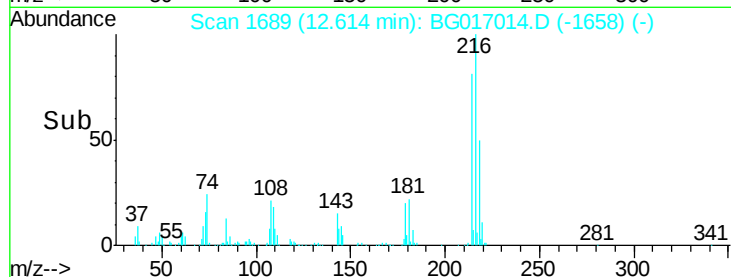
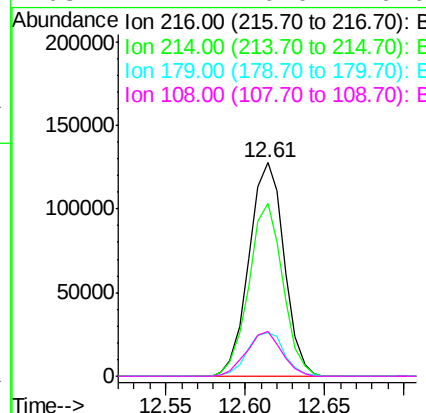
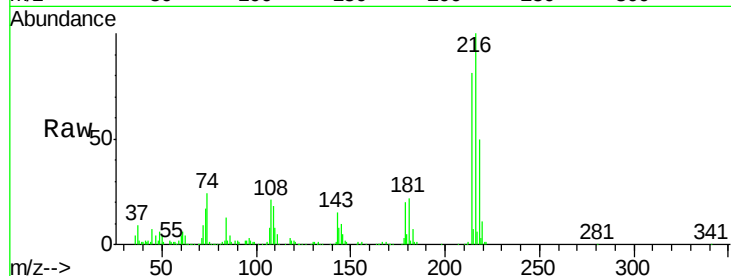




#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 38.06 ng  
 RT: 12.61 min Scan# 1689  
 Delta R.T. -0.02 min  
 Lab File: BG017014.D  
 Acq: 10 May 2015 7:57

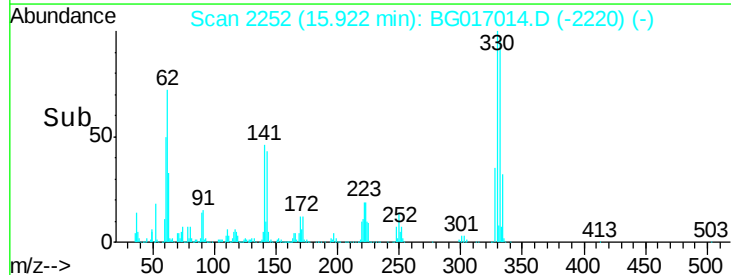
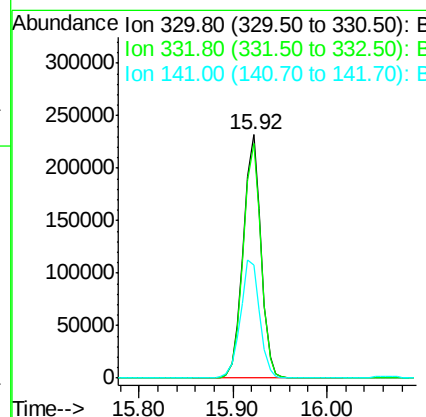
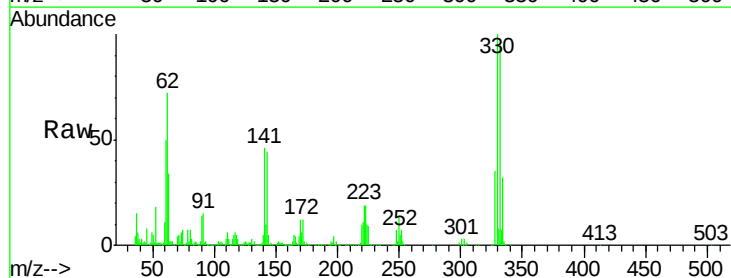
Instrument :  
 BNA\_G  
 ClientSampleId :  
 LAR9794-AMSD

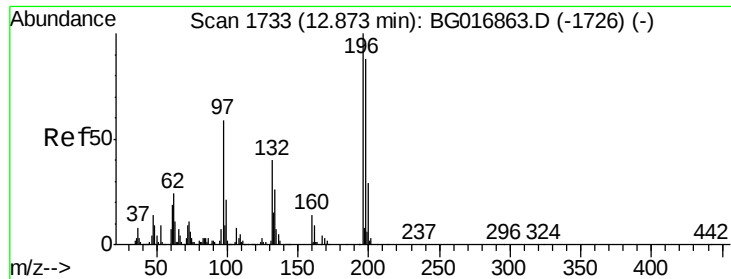
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 216   | Resp: | 196649 |
| Ion      | Ratio | Lower | Upper  |
| 216      | 100   |       |        |
| 214      | 78.4  | 0.0   | 0.0#   |
| 179      | 21.5  | 0.0   | 0.0#   |
| 108      | 21.2  | 0.0   | 0.0#   |



#41  
 2,4,6-Tribromophenol  
 Concen: 158.93 ng  
 RT: 15.92 min Scan# 2252  
 Delta R.T. -0.01 min  
 Lab File: BG017014.D  
 Acq: 10 May 2015 7:57

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 330   | Resp: | 304958 |
| Ion      | Ratio | Lower | Upper  |
| 330      | 100   |       |        |
| 332      | 96.9  | 0.0   | 0.0#   |
| 141      | 51.9  | 0.0   | 0.0#   |

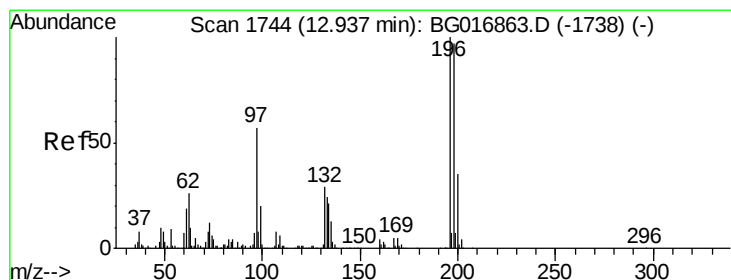
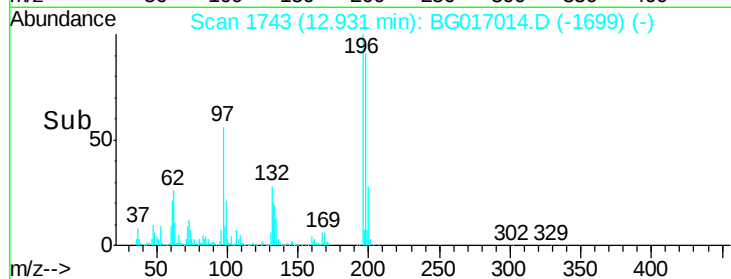
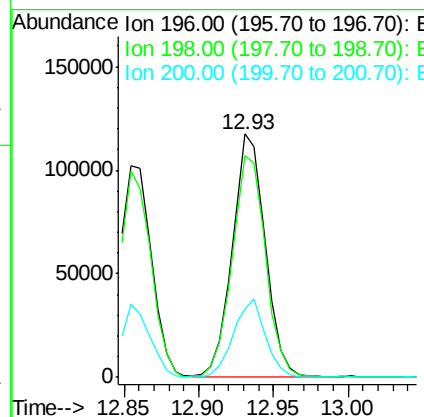
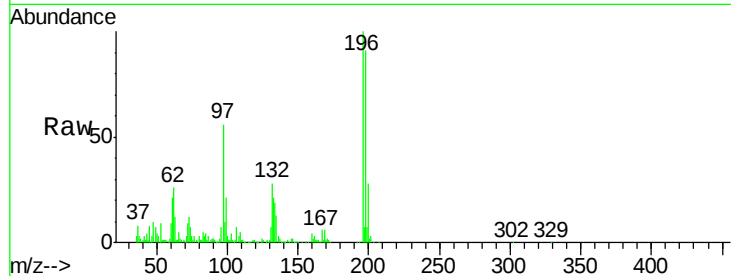




#42  
 2,4,6-Trichlorophenol  
 Concen: 49.37 ng  
 RT: 12.93 min Scan# 1743  
 Delta R.T. 0.06 min  
 Lab File: BG017014.D  
 Acq: 10 May 2015 7:57

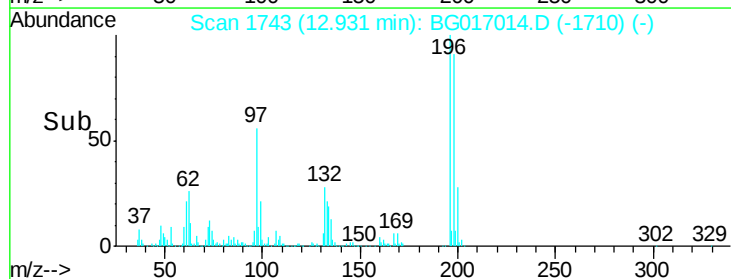
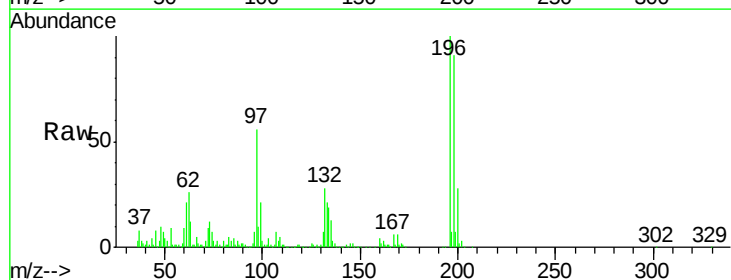
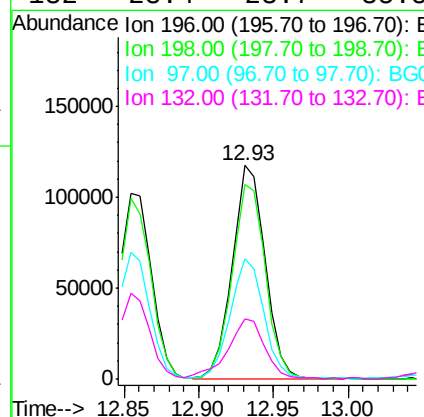
Instrument :  
 BNA\_G  
 ClientSampleId :  
 LAR9794-AMSD

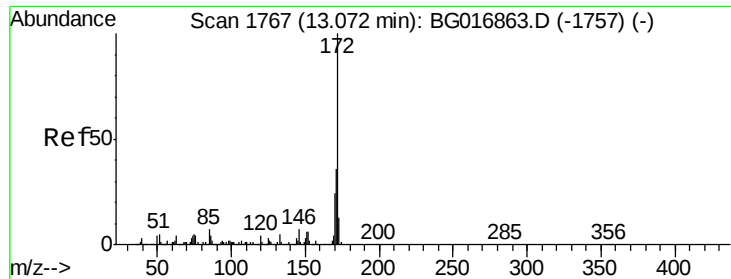
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 90.9  | 70.7  | 106.1 |
| 200     | 28.3  | 23.0  | 34.4  |



#43  
 2,4,5-Trichlorophenol  
 Concen: 46.51 ng  
 RT: 12.93 min Scan# 1743  
 Delta R.T. -0.01 min  
 Lab File: BG017014.D  
 Acq: 10 May 2015 7:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 90.9  | 77.5  | 116.3 |
| 97      | 56.1  | 45.9  | 68.9  |
| 132     | 28.4  | 23.7  | 35.5  |

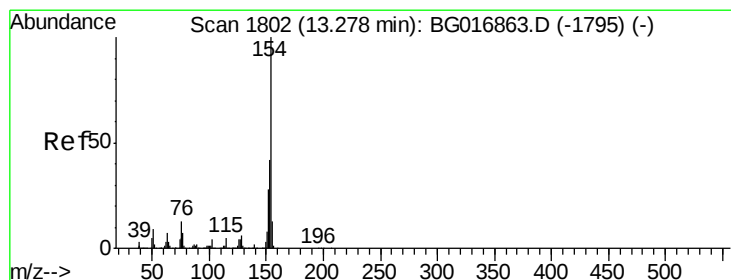
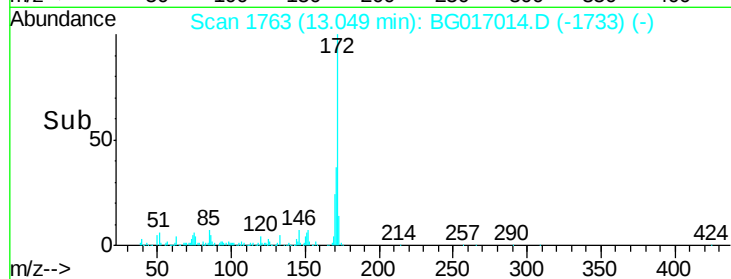
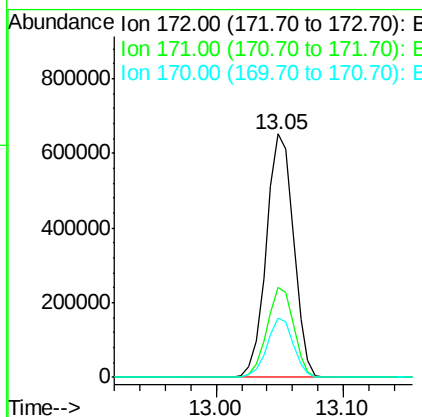
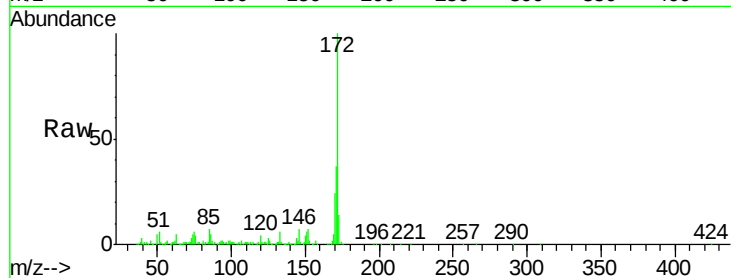




#44  
2-Fluorobiphenyl  
Concen: 76.82 ng  
RT: 13.05 min Scan# 1763  
Delta R.T. -0.02 min  
Lab File: BG017014.D  
Acq: 10 May 2015 7:57

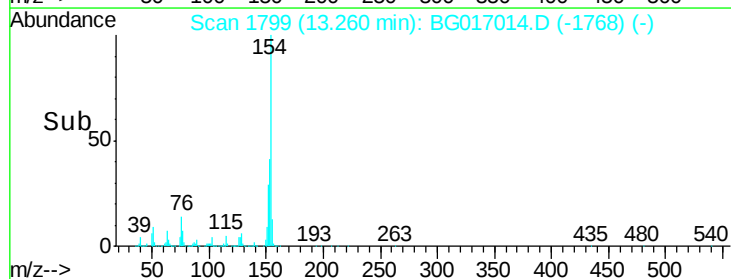
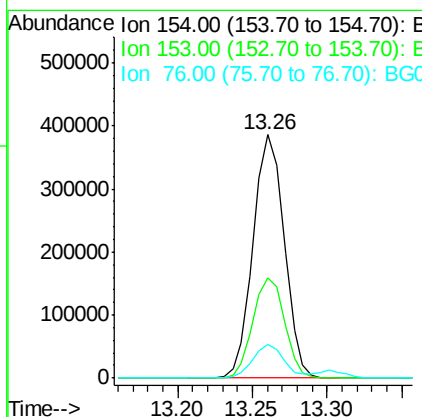
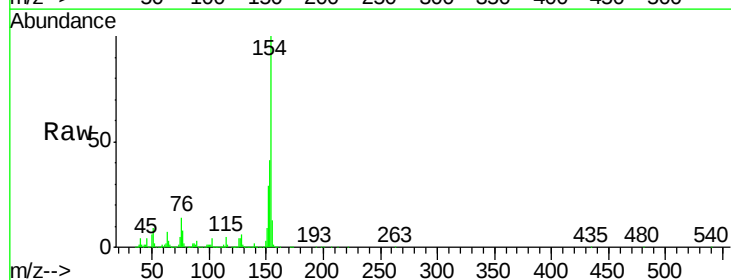
Instrument :  
BNA\_G  
ClientSampleId :  
LAR9794-AMSD

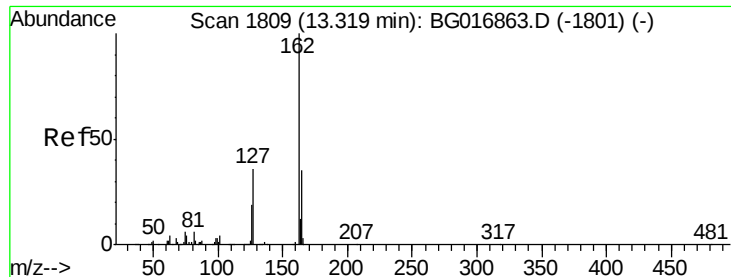
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.1  | 29.0  | 43.4  |
| 170     | 24.3  | 19.0  | 28.4  |



#45  
1,1'-Biphenyl  
Concen: 40.58 ng  
RT: 13.26 min Scan# 1799  
Delta R.T. -0.02 min  
Lab File: BG017014.D  
Acq: 10 May 2015 7:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 41.0  | 22.0  | 62.0  |
| 76      | 13.8  | 0.0   | 33.3  |

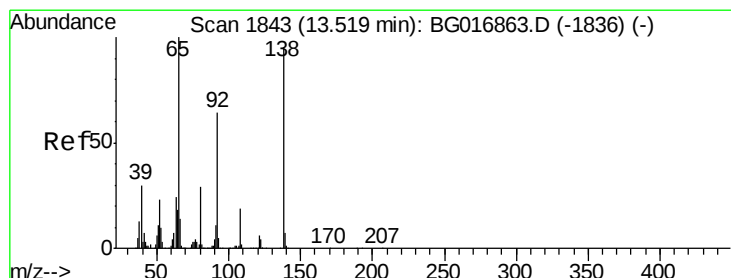
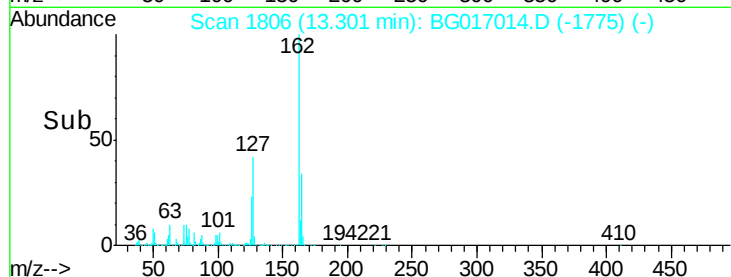
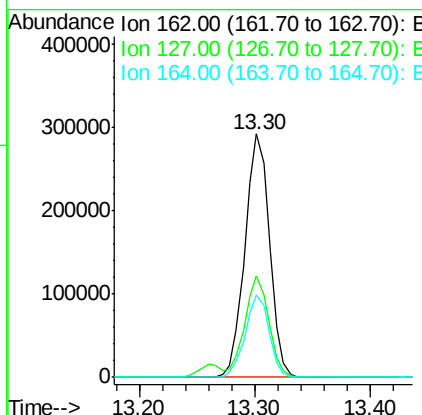
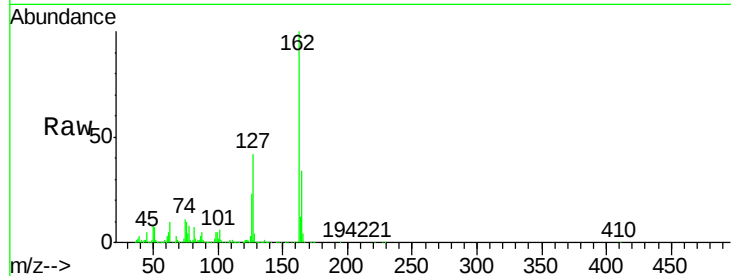




#46  
2-Chloronaphthalene  
Concen: 39.90 ng  
RT: 13.30 min Scan# 1806  
Delta R.T. -0.02 min  
Lab File: BG017014.D  
Acq: 10 May 2015 7:57

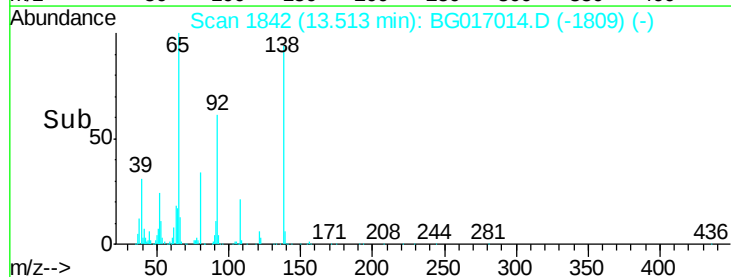
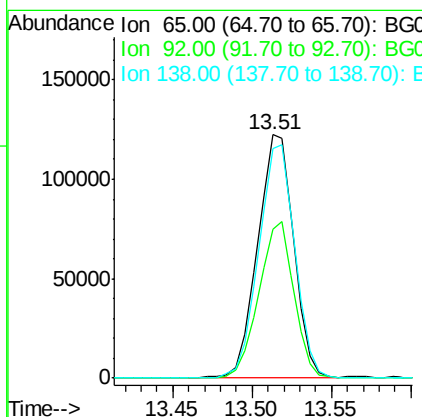
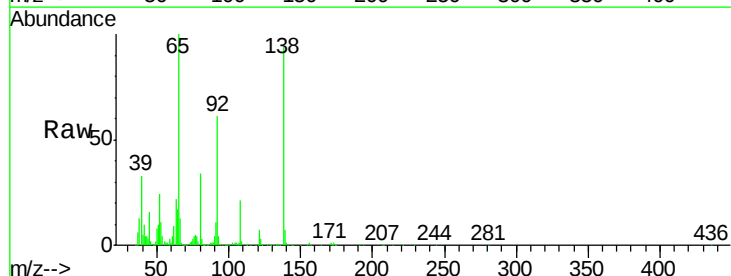
Instrument :  
BNA\_G  
ClientSampleId :  
LAR9794-AMSD

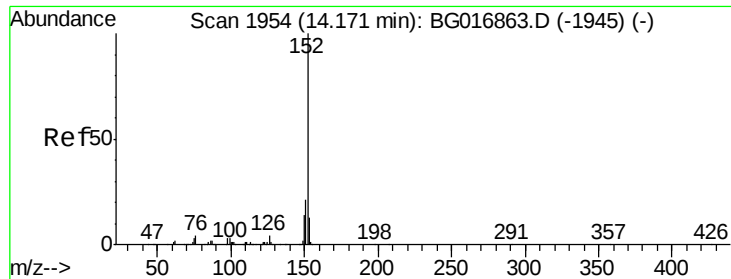
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 41.6  | 31.2  | 46.8  |
| 164     | 33.9  | 27.8  | 41.6  |



#47  
2-Nitroaniline  
Concen: 51.21 ng  
RT: 13.51 min Scan# 1842  
Delta R.T. -0.01 min  
Lab File: BG017014.D  
Acq: 10 May 2015 7:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 61.0  | 51.0  | 76.6  |
| 138     | 94.3  | 76.2  | 114.2 |





#48

Acenaphthylene

Concen: 31.42 ng

RT: 14.15 min Scan# 1951

Delta R.T. -0.02 min

Lab File: BG017014.D

Acq: 10 May 2015 7:57

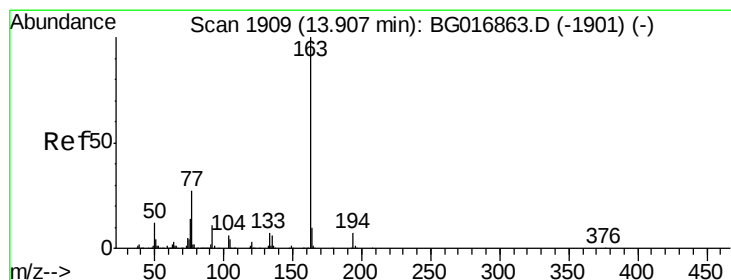
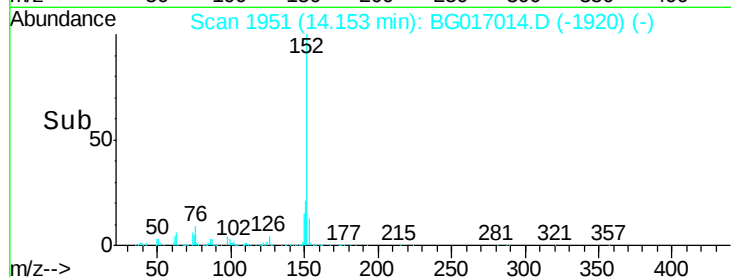
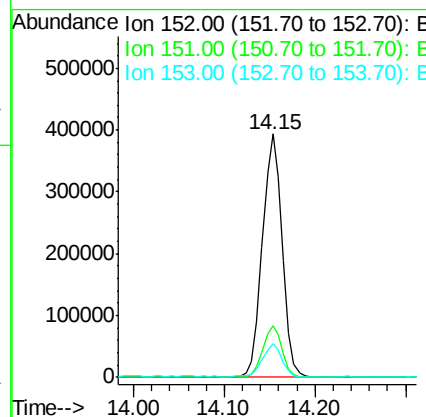
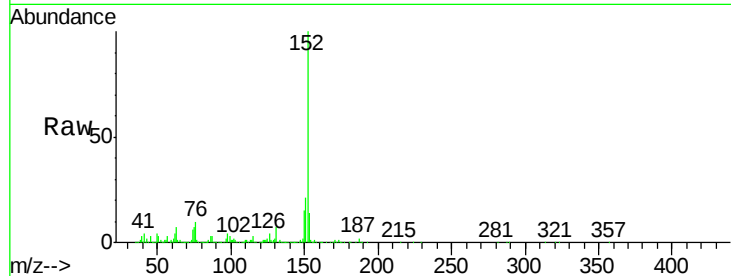
Instrument :

BNA\_G

ClientSampleId :

LAR9794-AMSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 152   | Resp: | 593087 |
| Ion      | Ratio | Lower | Upper  |
| 152      | 100   |       |        |
| 151      | 21.1  | 17.0  | 25.4   |
| 153      | 13.7  | 10.7  | 16.1   |



#49

Dimethylphthalate

Concen: 41.69 ng

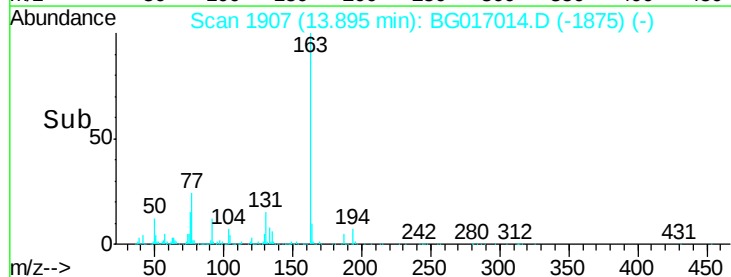
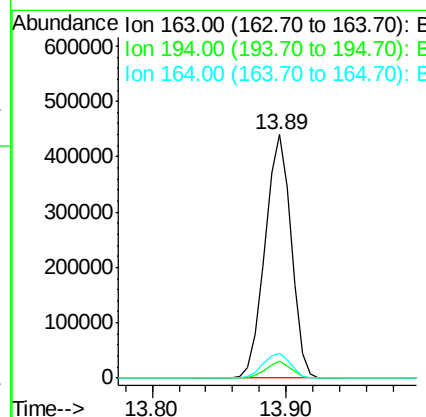
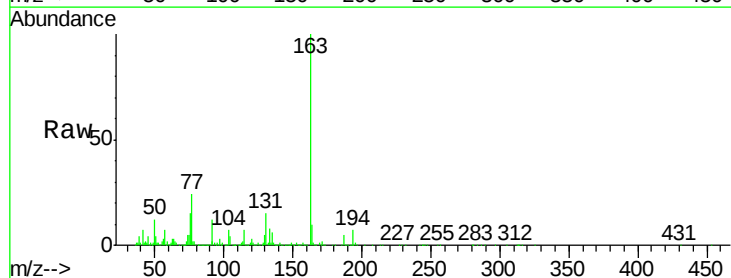
RT: 13.89 min Scan# 1907

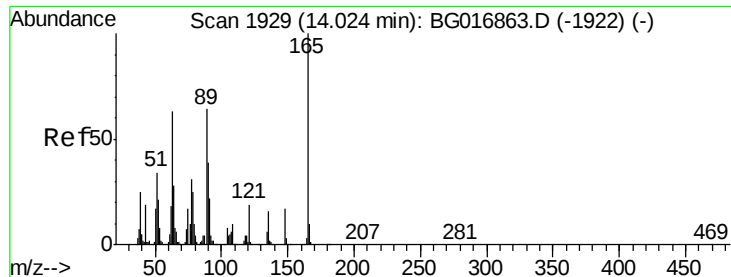
Delta R.T. -0.01 min

Lab File: BG017014.D

Acq: 10 May 2015 7:57

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 163   | Resp: | 595038 |
| Ion      | Ratio | Lower | Upper  |
| 163      | 100   |       |        |
| 194      | 6.9   | 5.2   | 7.8    |
| 164      | 10.3  | 8.4   | 12.6   |

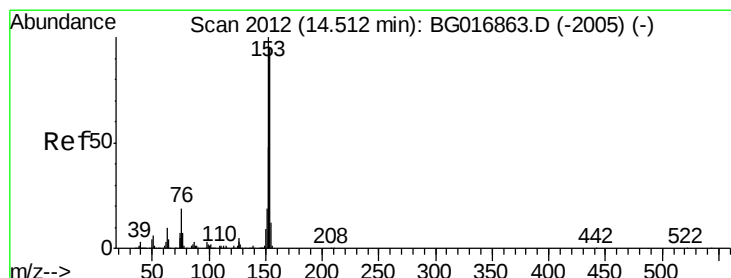
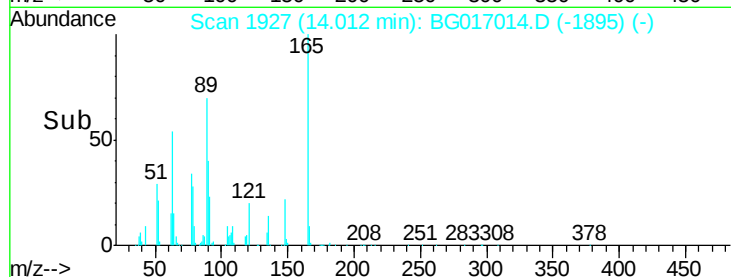
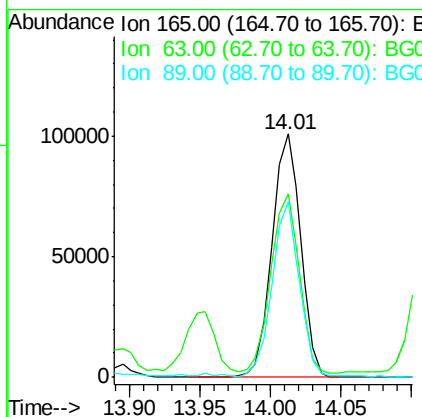
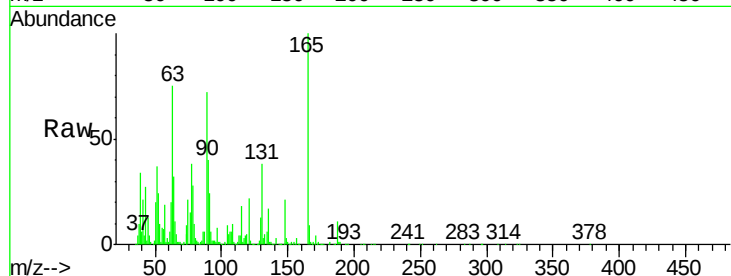




#50  
 2,6-Dinitrotoluene  
 Concen: 48.45 ng  
 RT: 14.01 min Scan# 1927  
 Delta R.T. -0.01 min  
 Lab File: BG017014.D  
 Acq: 10 May 2015 7:57

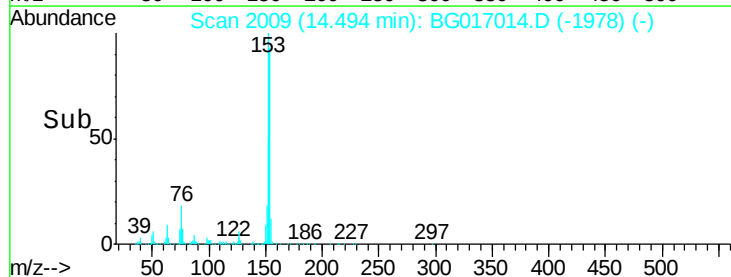
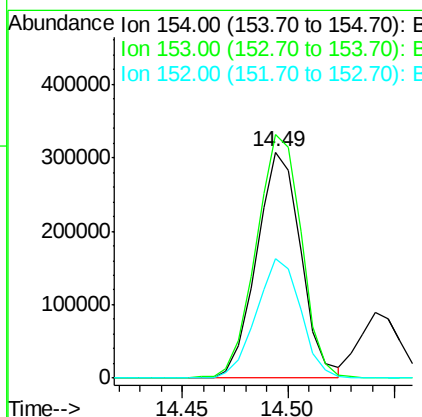
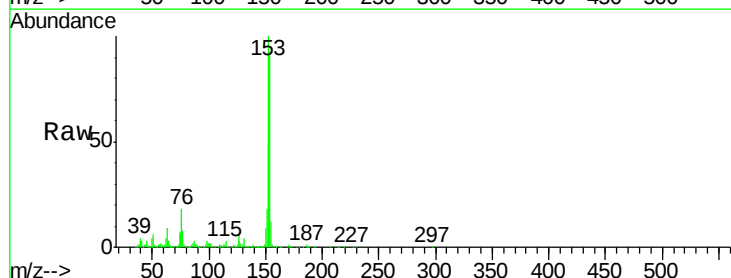
Instrument :  
 BNA\_G  
 ClientSampleId :  
 LAR9794-AMSD

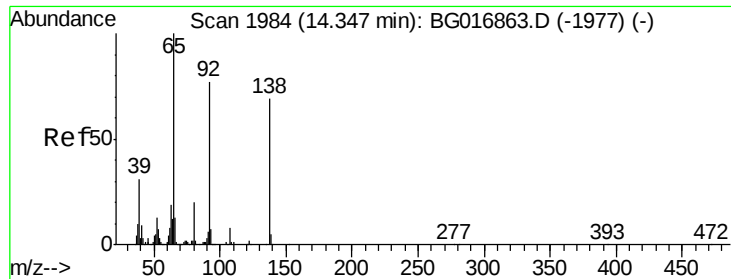
Tgt Ion:165 Resp: 143568  
 Ion Ratio Lower Upper  
 165 100  
 63 75.4 50.9 76.3  
 89 72.1 51.4 77.2



#51  
 Acenaphthene  
 Concen: 40.00 ng  
 RT: 14.49 min Scan# 2009  
 Delta R.T. -0.02 min  
 Lab File: BG017014.D  
 Acq: 10 May 2015 7:57

Tgt Ion:154 Resp: 449292  
 Ion Ratio Lower Upper  
 154 100  
 153 107.8 84.2 126.4  
 152 53.1 40.2 60.2

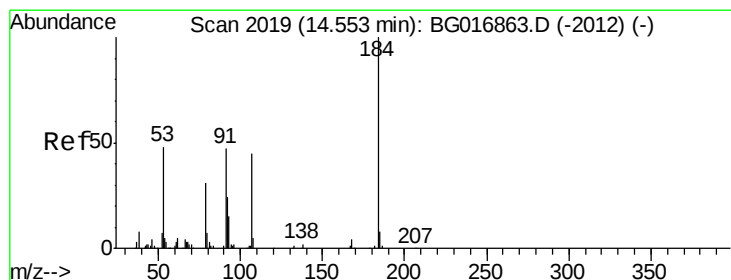
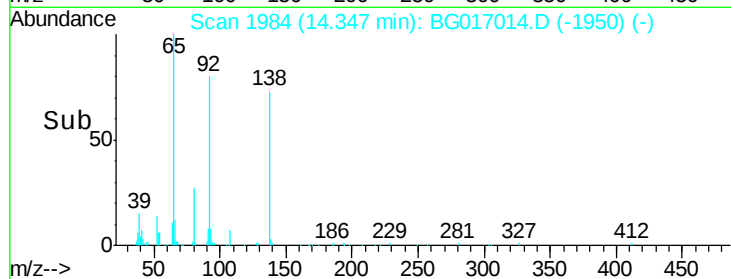
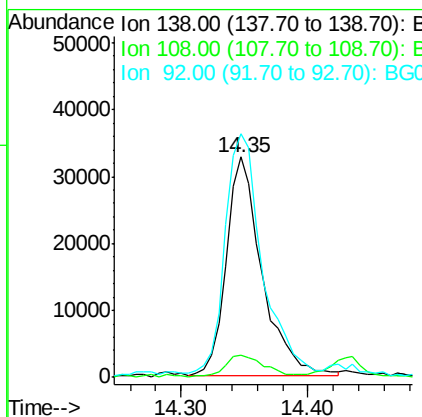
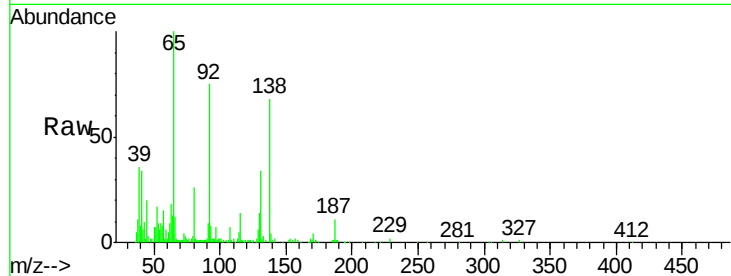




#52  
3-Nitroaniline  
Concen: 18.67 ng  
RT: 14.35 min Scan# 1984  
Delta R.T. -0.00 min  
Lab File: BG017014.D  
Acq: 10 May 2015 7:57

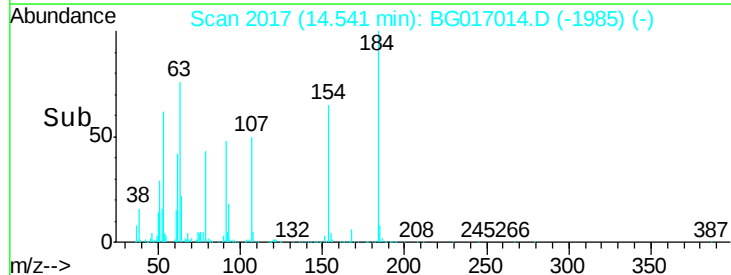
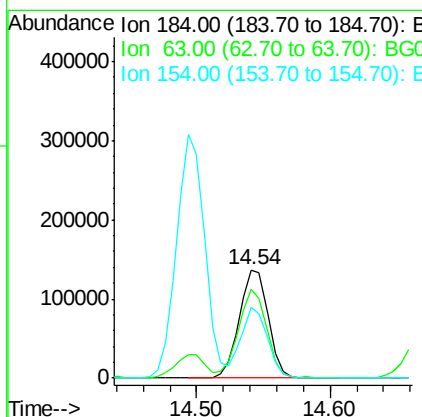
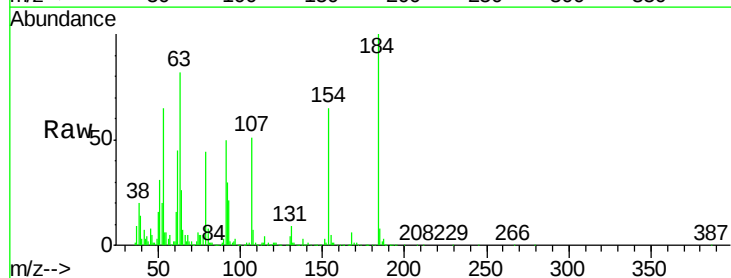
Instrument :  
BNA\_G  
ClientSampleId :  
LAR9794-AMSD

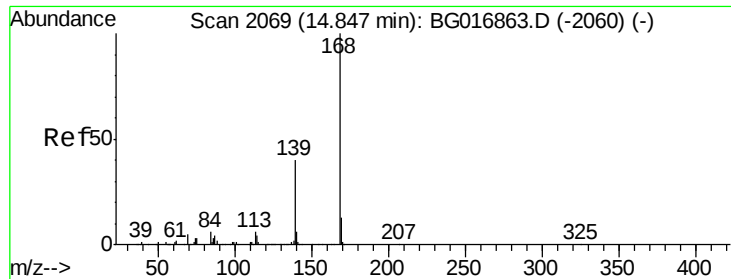
Tgt Ion:138 Resp: 62927  
Ion Ratio Lower Upper  
138 100  
108 10.2 9.5 14.3  
92 110.4 89.6 134.4



#53  
2,4-Dinitrophenol  
Concen: 150.98 ng  
RT: 14.54 min Scan# 2017  
Delta R.T. -0.01 min  
Lab File: BG017014.D  
Acq: 10 May 2015 7:57

Tgt Ion:184 Resp: 204626  
Ion Ratio Lower Upper  
184 100  
63 82.3 53.4 80.0#  
154 65.0 41.0 61.6#





#54

Dibenzenofuran

Concen: 42.63 ng

RT: 14.83 min Scan# 2066

Delta R.T. -0.02 min

Lab File: BG017014.D

Acq: 10 May 2015 7:57

Instrument :

BNA\_G

ClientSampleId :

LAR9794-AMSD

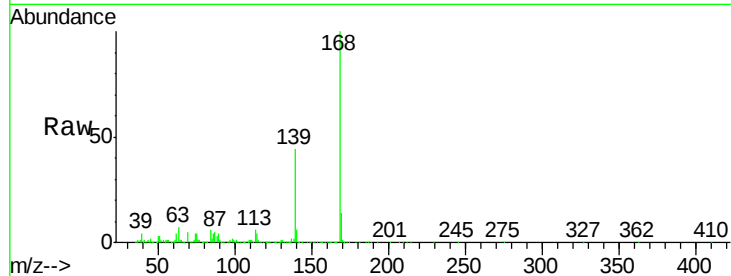
Tgt Ion:168 Resp: 680065

Ion Ratio Lower Upper

168 100

139 44.2 32.5 48.7

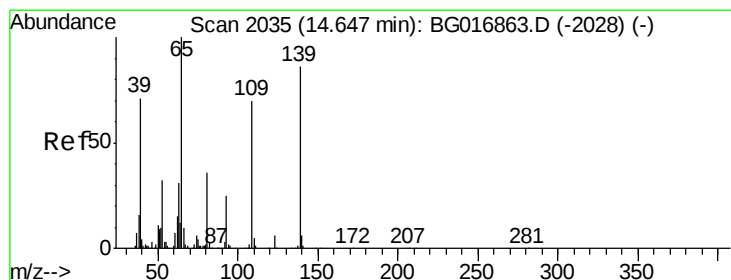
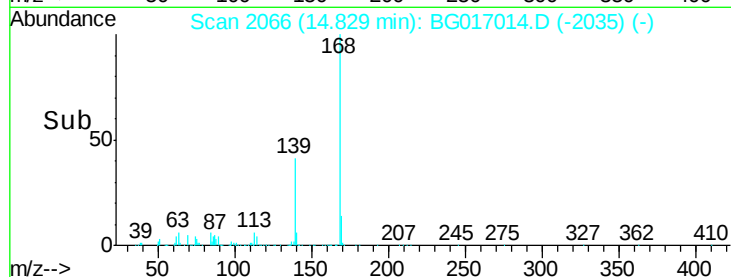
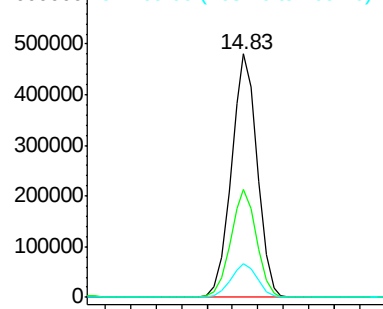
169 13.7 10.4 15.6



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#55

4-Nitrophenol

Concen: 88.76 ng

RT: 14.67 min Scan# 2039

Delta R.T. 0.02 min

Lab File: BG017014.D

Acq: 10 May 2015 7:57

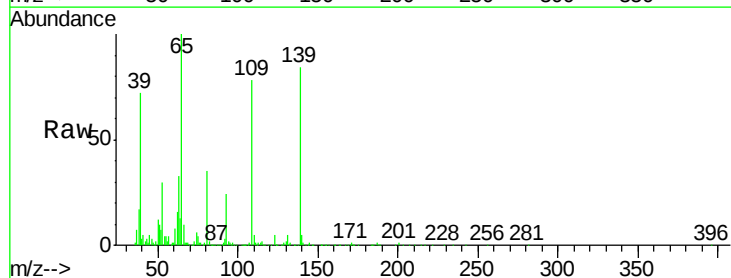
Tgt Ion:139 Resp: 253713

Ion Ratio Lower Upper

139 100

109 93.4 61.8 101.8

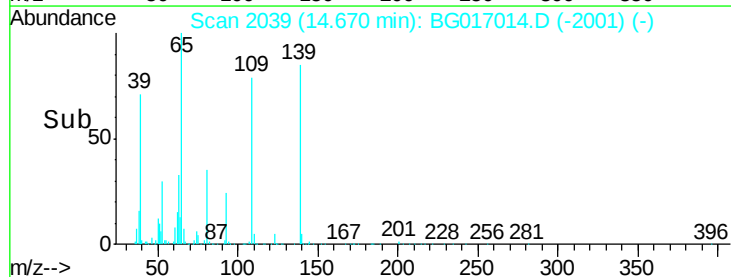
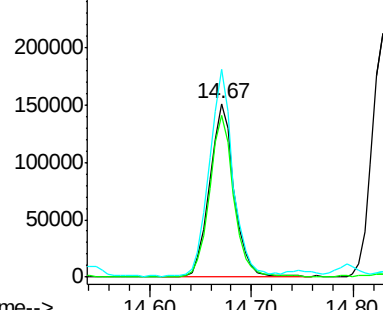
65 119.7 96.8 136.8

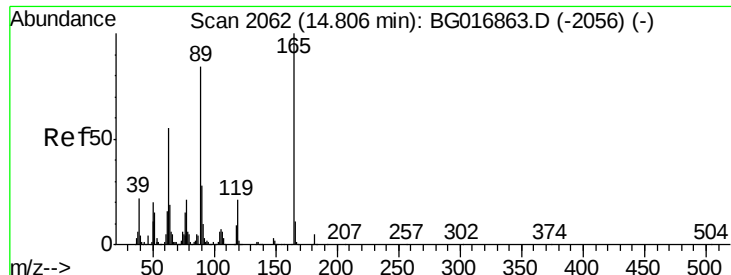


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BG

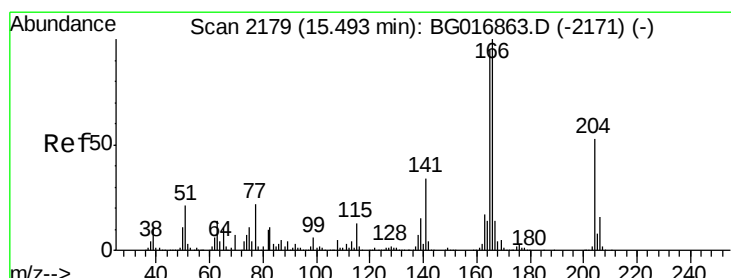
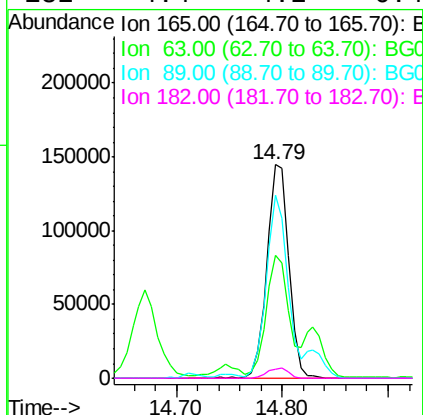
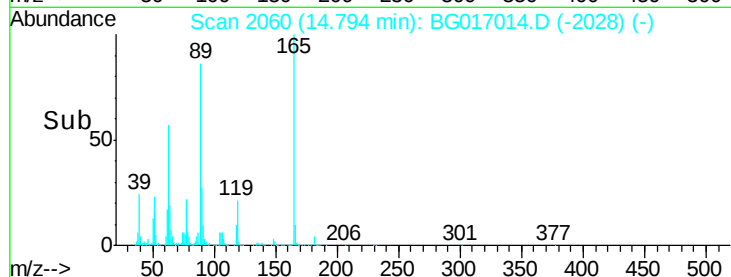
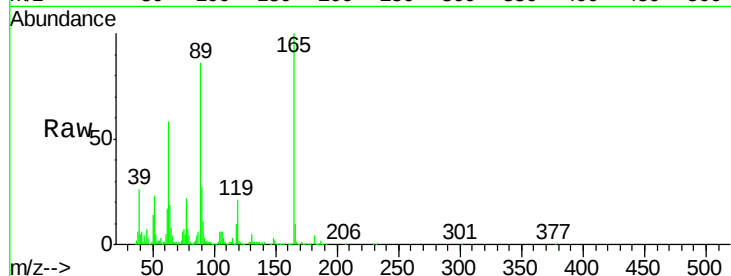




#56  
2,4-Dinitrotoluene  
Concen: 54.72 ng  
RT: 14.79 min Scan# 2060  
Delta R.T. -0.01 min  
Lab File: BG017014.D  
Acq: 10 May 2015 7:57

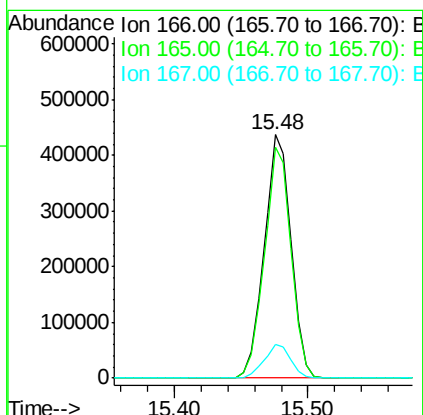
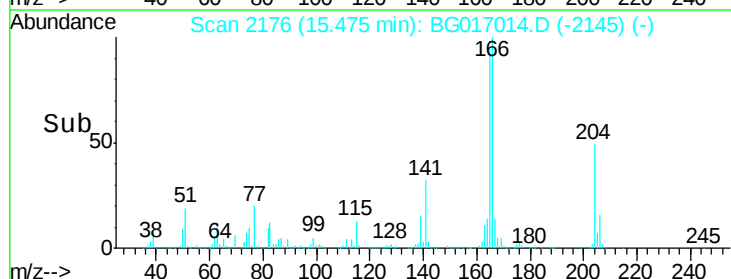
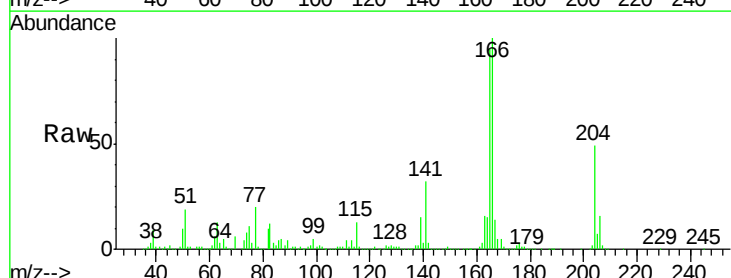
Instrument :  
BNA\_G  
ClientSampleId :  
LAR9794-AMSD

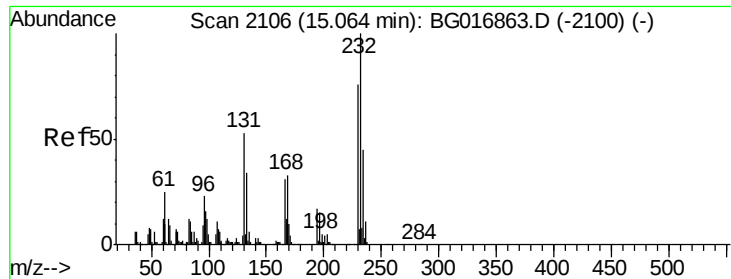
Tgt Ion:165 Resp: 207429  
Ion Ratio Lower Upper  
165 100  
63 57.6 44.2 66.4  
89 85.7 67.2 100.8  
182 4.4 4.2 6.4



#57  
Fluorene  
Concen: 42.91 ng  
RT: 15.48 min Scan# 2176  
Delta R.T. -0.02 min  
Lab File: BG017014.D  
Acq: 10 May 2015 7:57

Tgt Ion:166 Resp: 605981  
Ion Ratio Lower Upper  
166 100  
165 94.9 76.1 114.1  
167 14.0 11.4 17.2

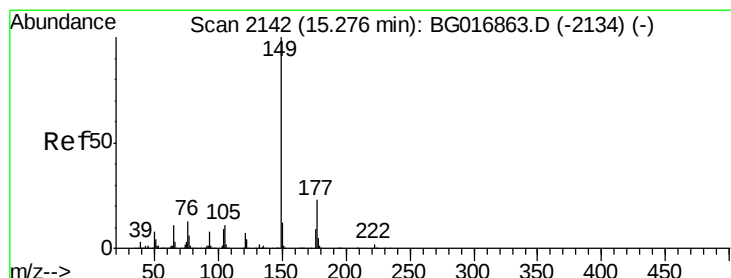
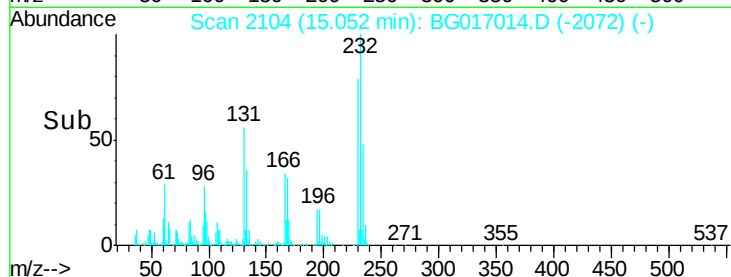
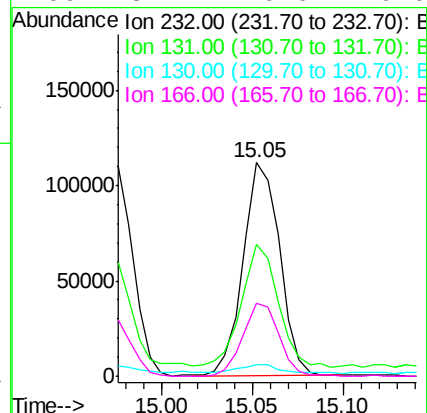
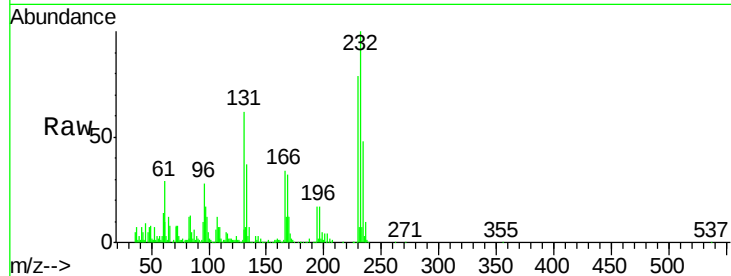




#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 46.81 ng  
 RT: 15.05 min Scan# 2104  
 Delta R.T. -0.01 min  
 Lab File: BG017014.D  
 Acq: 10 May 2015 7:57

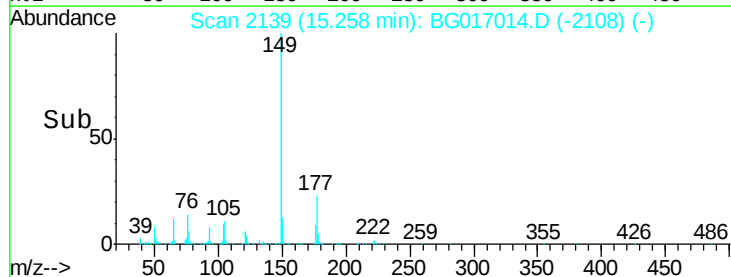
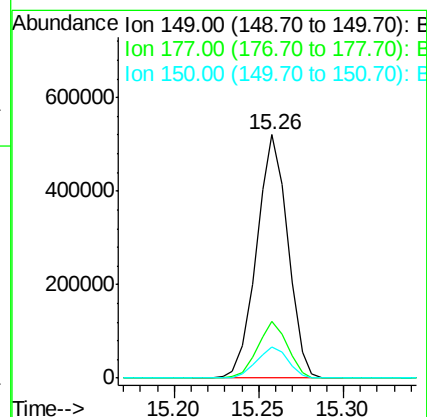
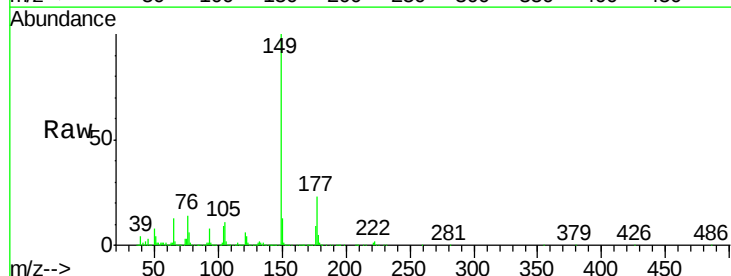
Instrument :  
 BNA\_G  
 ClientSampleId :  
 LAR9794-AMSD

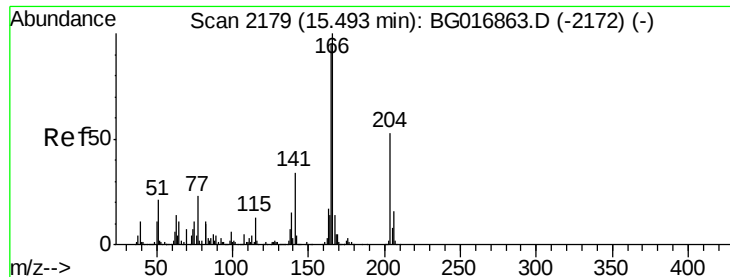
Tgt Ion:232 Resp: 156987  
 Ion Ratio Lower Upper  
 232 100  
 131 55.7 0.1 0.1#  
 130 4.9 0.0 0.0#  
 166 34.2 0.0 0.0#



#59  
 Diethylphthalate  
 Concen: 44.36 ng  
 RT: 15.26 min Scan# 2139  
 Delta R.T. -0.02 min  
 Lab File: BG017014.D  
 Acq: 10 May 2015 7:57

Tgt Ion:149 Resp: 668412  
 Ion Ratio Lower Upper  
 149 100  
 177 23.2 18.6 27.8  
 150 12.7 9.8 14.8

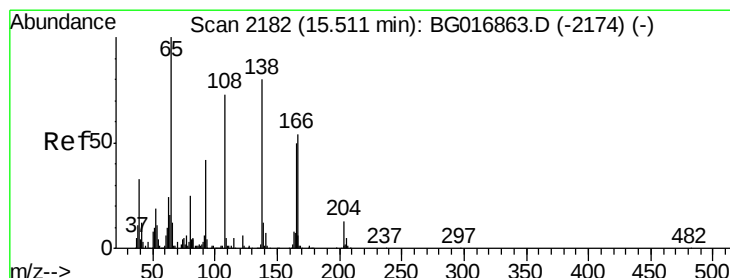
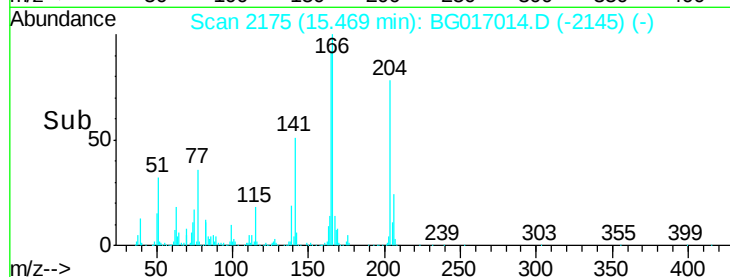
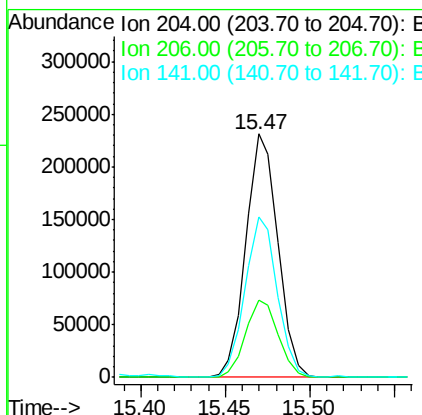
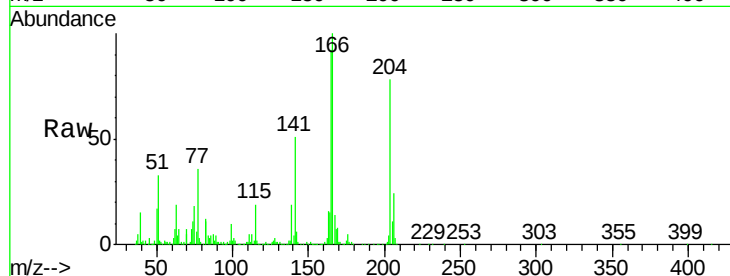




#60  
 4-Chlorophenyl-phenylether  
 Concen: 43.02 ng  
 RT: 15.47 min Scan# 2175  
 Delta R.T. -0.02 min  
 Lab File: BG017014.D  
 Acq: 10 May 2015 7:57

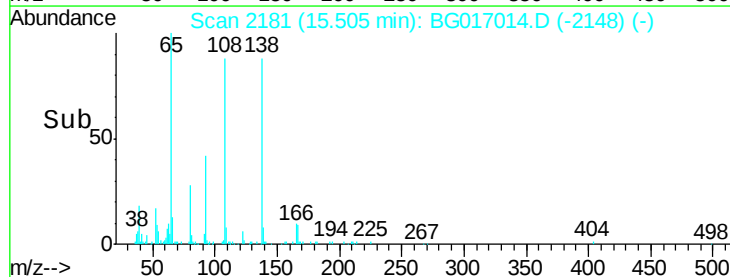
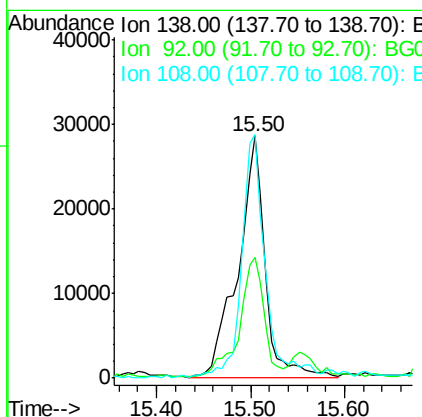
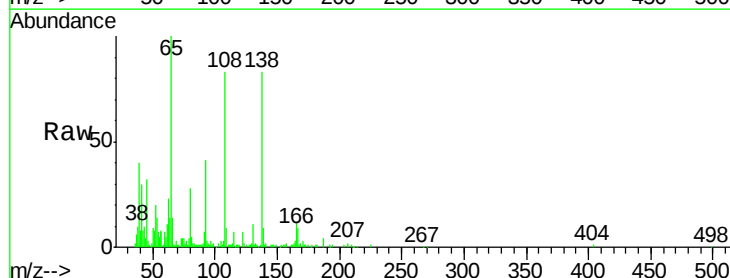
Instrument :  
 BNA\_G  
 ClientSampleId :  
 LAR9794-AMSD

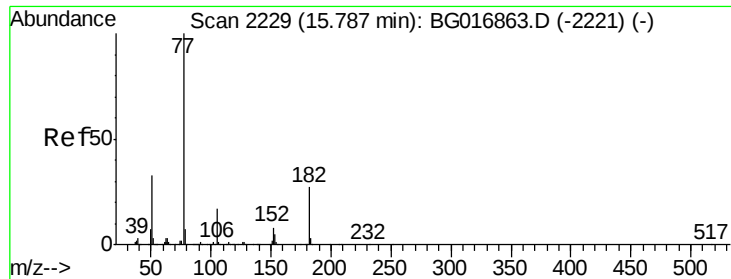
Tgt Ion: 204 Resp: 305266  
 Ion Ratio Lower Upper  
 204 100  
 206 31.5 24.8 37.2  
 141 65.8 52.4 78.6



#61  
 4-Nitroaniline  
 Concen: 14.88 ng  
 RT: 15.50 min Scan# 2181  
 Delta R.T. -0.01 min  
 Lab File: BG017014.D  
 Acq: 10 May 2015 7:57

Tgt Ion: 138 Resp: 58161  
 Ion Ratio Lower Upper  
 138 100  
 92 50.0 31.8 71.8  
 108 100.5 70.6 110.6





#62

Azobenzene

Concen: 41.79 ng

RT: 15.76 min Scan# 2225

Delta R.T. -0.02 min

Lab File: BG017014.D

Acq: 10 May 2015 7:57

Instrument :

BNA\_G

ClientSampleId :

LAR9794-AMSD

Tgt Ion: 77 Resp: 652095

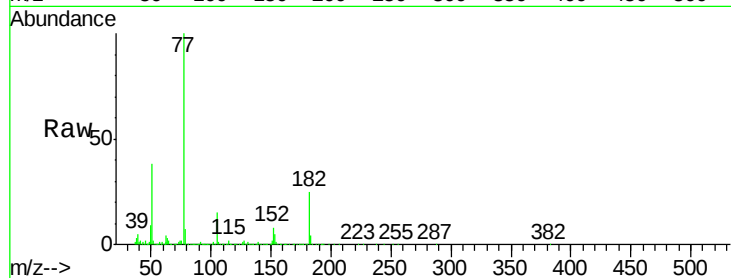
Ion Ratio Lower Upper

77 100

182 25.4 7.4 47.4

105 15.4 0.0 36.6

51 37.9 13.4 53.4

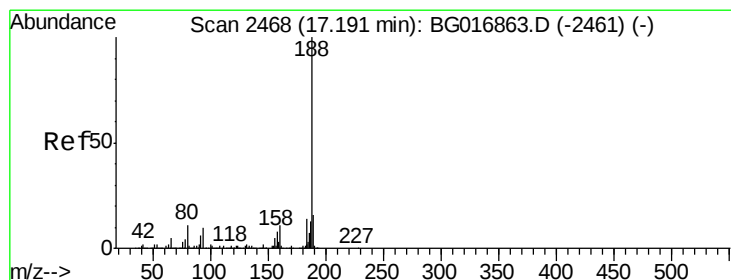
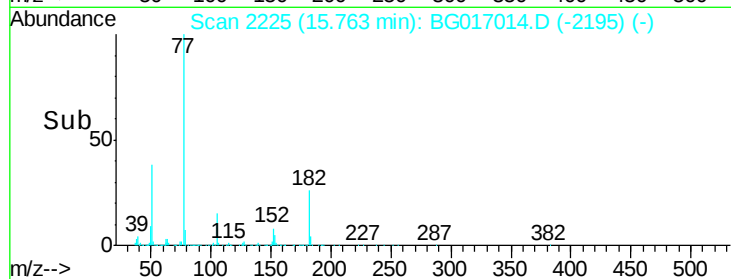
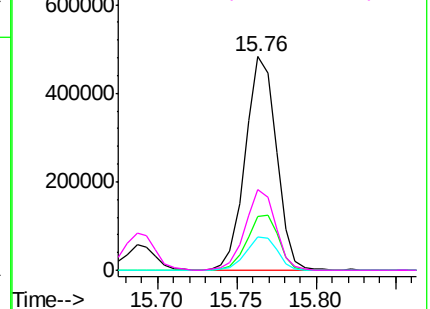


Abundance Ion 77.00 (76.70 to 77.70): BG017014.D (-2195) (-)

Ion 182.00 (181.70 to 182.70): BG017014.D (-2195) (-)

Ion 105.00 (104.70 to 105.70): BG017014.D (-2195) (-)

Ion 51.00 (50.70 to 51.70): BG017014.D (-2195) (-)



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.17 min Scan# 2465

Delta R.T. -0.02 min

Lab File: BG017014.D

Acq: 10 May 2015 7:57

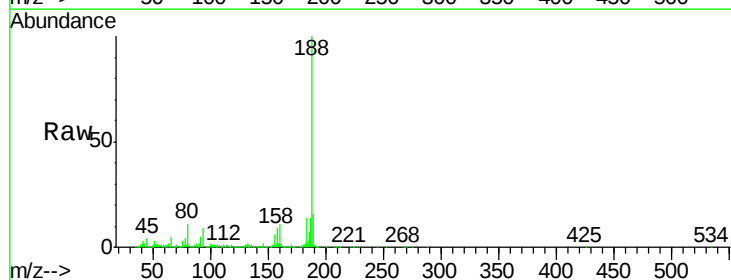
Tgt Ion: 188 Resp: 449661

Ion Ratio Lower Upper

188 100

94 9.3 8.2 12.4

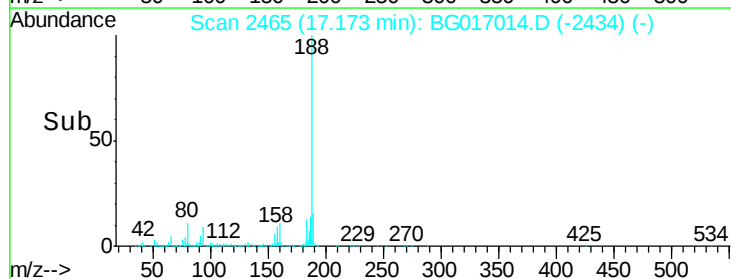
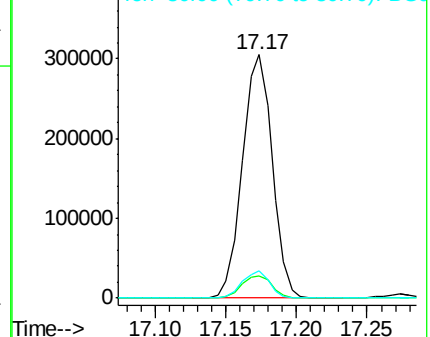
80 11.0 8.8 13.2

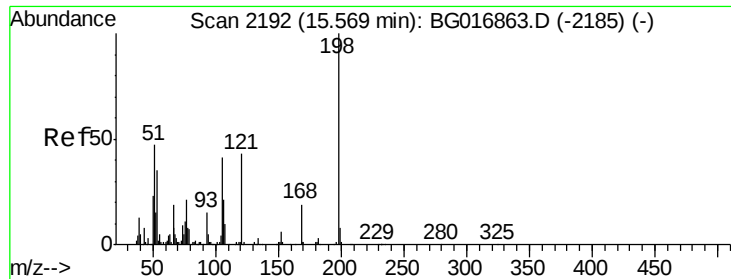


Abundance Ion 188.00 (187.70 to 188.70): BG017014.D (-2434) (-)

Ion 94.00 (93.70 to 94.70): BG017014.D (-2434) (-)

Ion 80.00 (79.70 to 80.70): BG017014.D (-2434) (-)

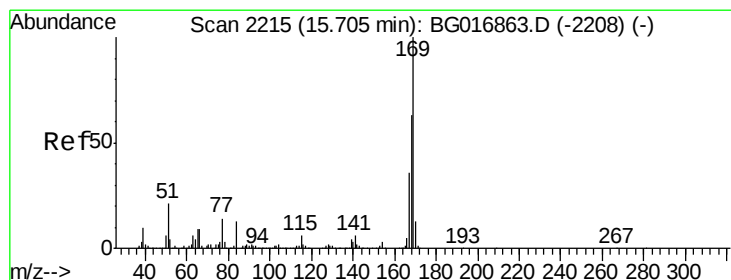
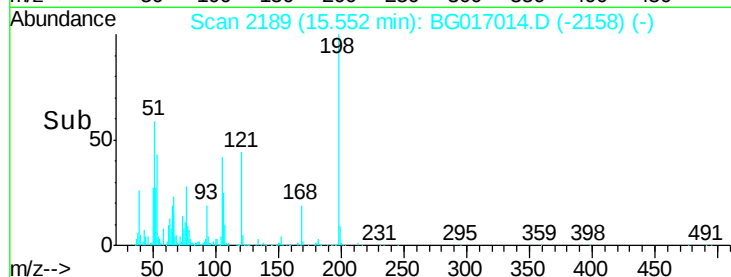
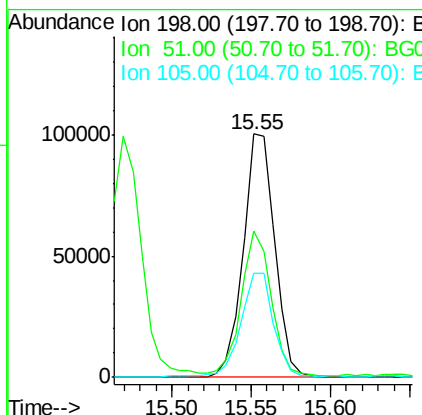
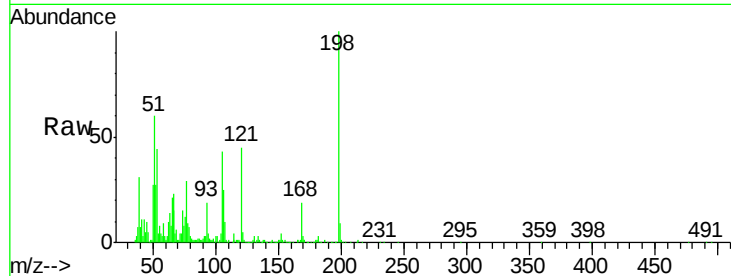




#64  
 4,6-Dinitro-2-methylphenol  
 Concen: 61.88 ng  
 RT: 15.55 min Scan# 2189  
 Delta R.T. -0.02 min  
 Lab File: BG017014.D  
 Acq: 10 May 2015 7:57

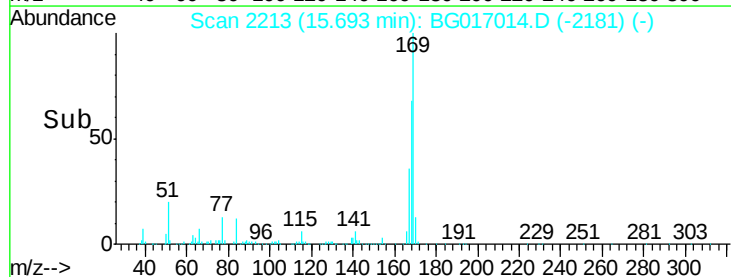
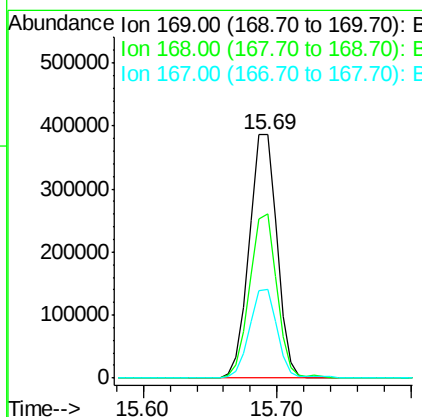
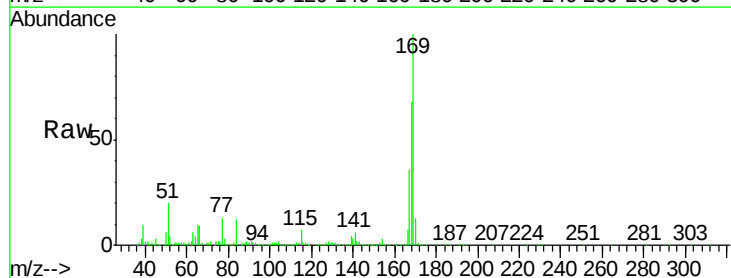
Instrument :  
 BNA\_G  
 ClientSampleId :  
 LAR9794-AMSD

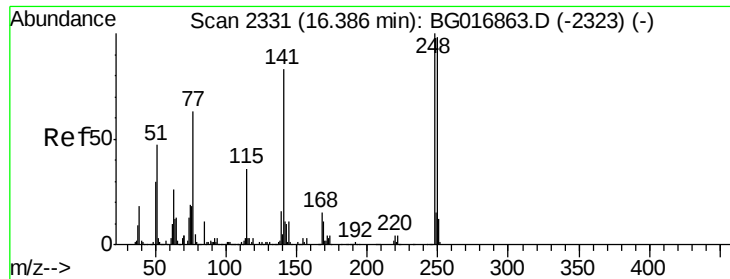
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 198     | 100   |       |       |
| 51      | 60.3  | 31.2  | 71.2  |
| 105     | 42.9  | 22.0  | 62.0  |



#65  
 n-Nitrosodiphenylamine  
 Concen: 40.05 ng  
 RT: 15.69 min Scan# 2213  
 Delta R.T. -0.01 min  
 Lab File: BG017014.D  
 Acq: 10 May 2015 7:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 169     | 100   |       |       |
| 168     | 67.5  | 50.6  | 76.0  |
| 167     | 36.2  | 29.0  | 43.4  |

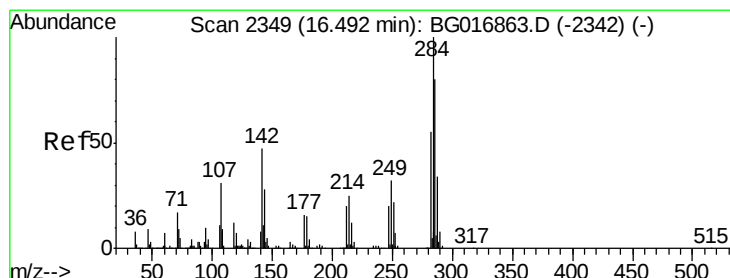
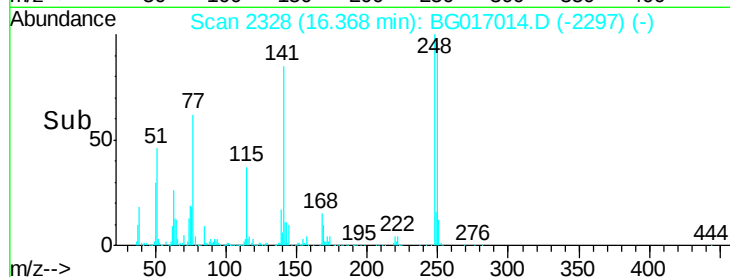
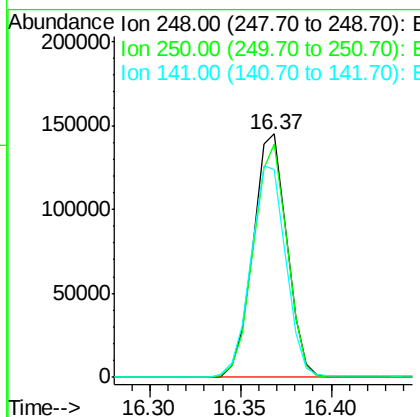
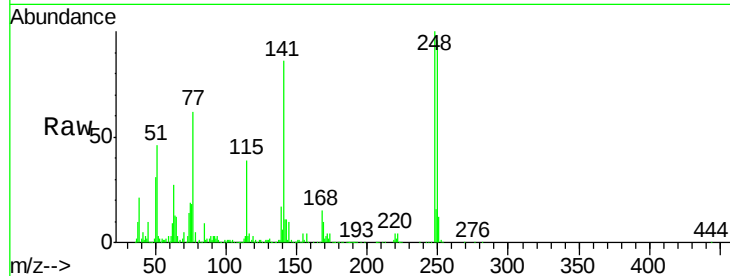




#66  
 4-Bromophenyl-phenylether  
 Concen: 41.77 ng  
 RT: 16.37 min Scan# 2328  
 Delta R.T. -0.02 min  
 Lab File: BG017014.D  
 Acq: 10 May 2015 7:57

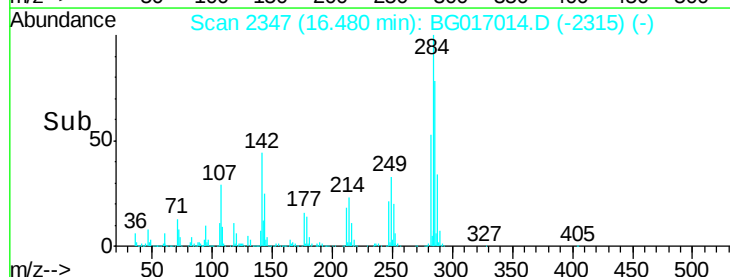
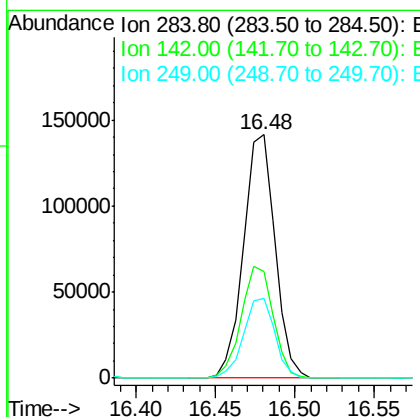
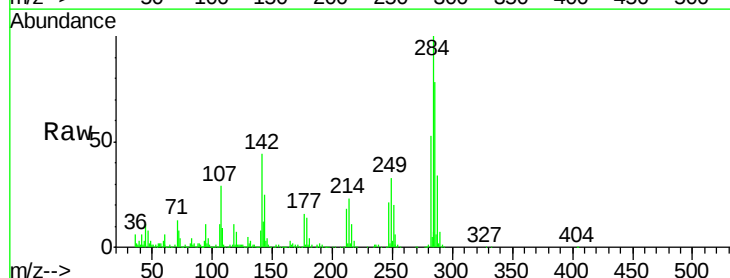
Instrument :  
 BNA\_G  
 ClientSampleId :  
 LAR9794-AMSD

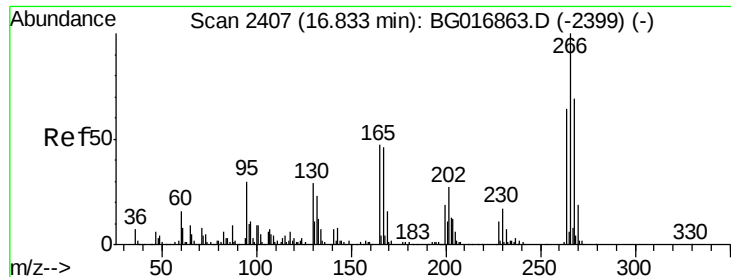
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 96.1  | 78.6  | 117.8 |
| 141     | 85.5  | 66.3  | 99.5  |



#67  
 Hexachlorobenzene  
 Concen: 41.02 ng  
 RT: 16.48 min Scan# 2347  
 Delta R.T. -0.01 min  
 Lab File: BG017014.D  
 Acq: 10 May 2015 7:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 43.6  | 37.4  | 56.0  |
| 249     | 33.0  | 25.5  | 38.3  |

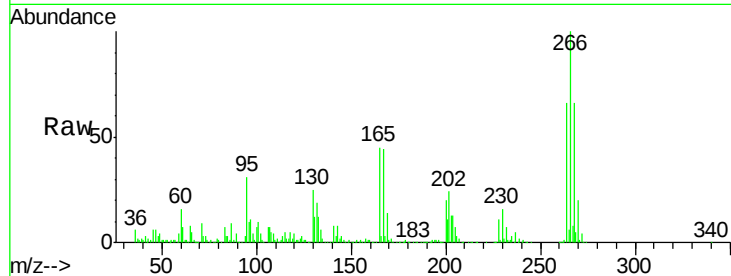




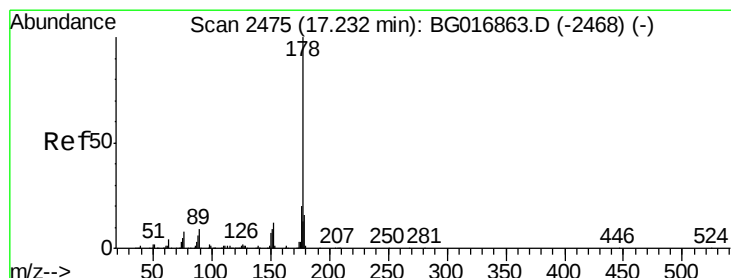
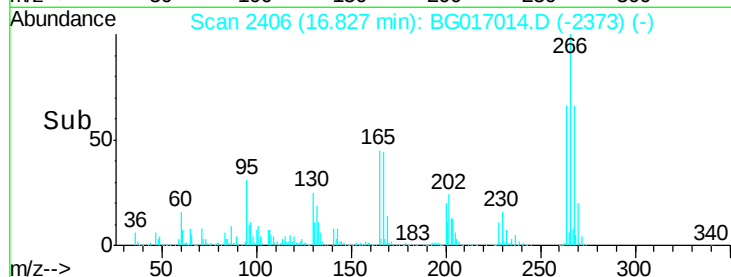
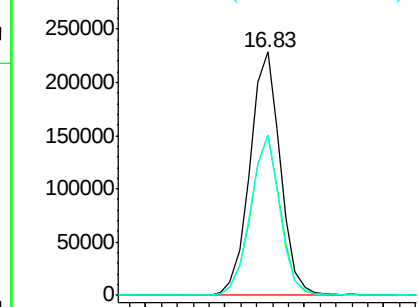
#69  
 Pentachlorophenol  
 Concen: 98.33 ng  
 RT: 16.83 min Scan# 2406  
 Delta R.T. -0.01 min  
 Lab File: BG017014.D  
 Acq: 10 May 2015 7:57

Instrument :  
 BNA\_G  
 ClientSampleId :  
 LAR9794-AMSD

Tgt Ion: 266 Resp: 303838  
 Ion Ratio Lower Upper  
 266 100  
 268 65.8 55.2 82.8  
 264 65.6 51.4 77.0

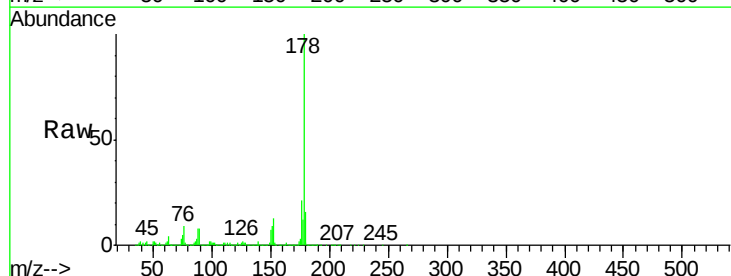


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

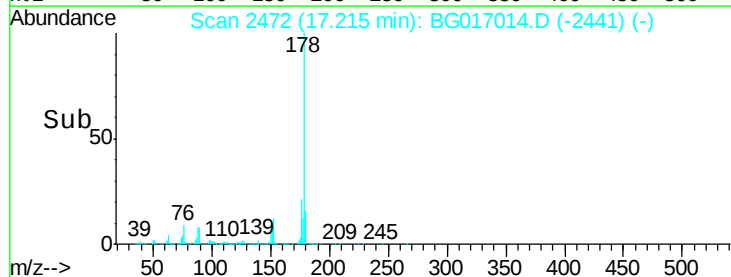
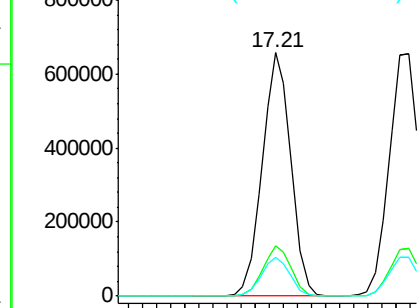


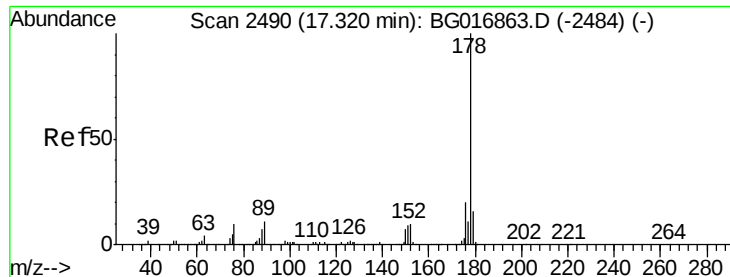
#70  
 Phenanthrene  
 Concen: 40.32 ng  
 RT: 17.21 min Scan# 2472  
 Delta R.T. -0.02 min  
 Lab File: BG017014.D  
 Acq: 10 May 2015 7:57

Tgt Ion: 178 Resp: 932984  
 Ion Ratio Lower Upper  
 178 100  
 176 20.7 16.0 24.0  
 179 15.9 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E  
 Ion 176.00 (175.70 to 176.70): E  
 Ion 179.00 (178.70 to 179.70): E

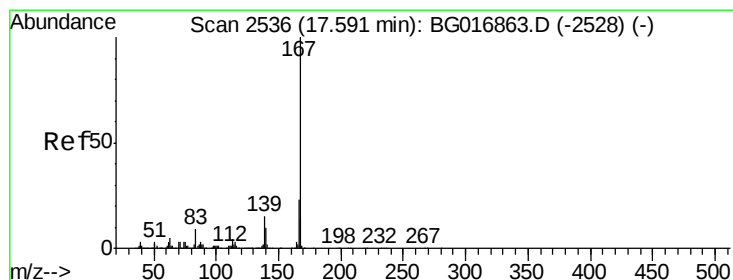
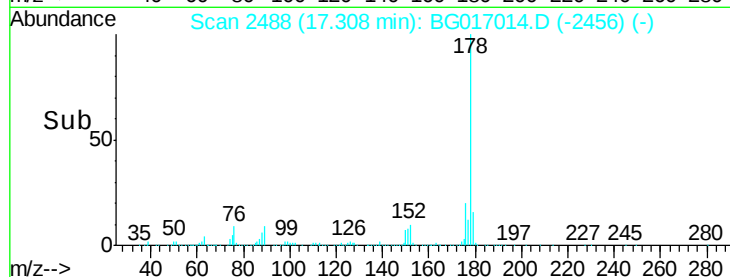
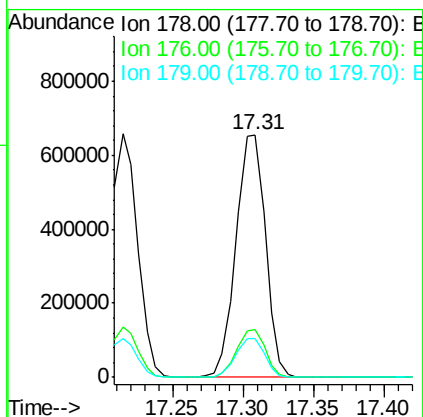
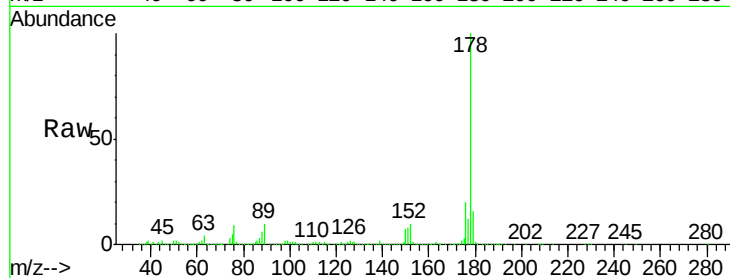




#71  
 Anthracene  
 Concen: 40.91 ng  
 RT: 17.31 min Scan# 2488  
 Delta R.T. -0.01 min  
 Lab File: BG017014.D  
 Acq: 10 May 2015 7:57

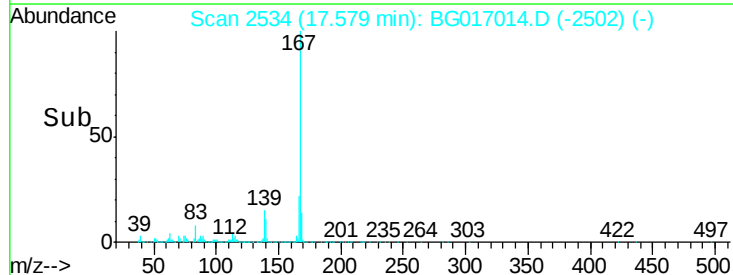
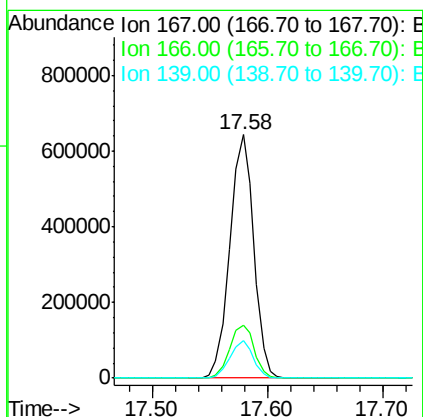
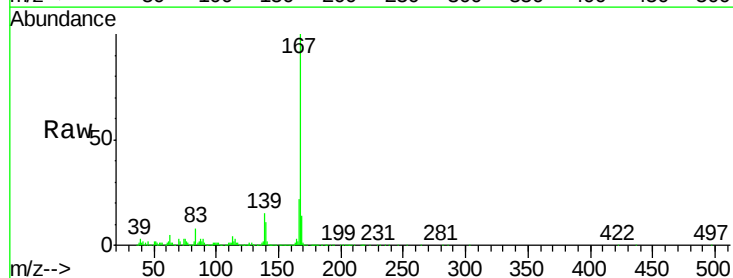
Instrument :  
 BNA\_G  
 ClientSampleId :  
 LAR9794-AMSD

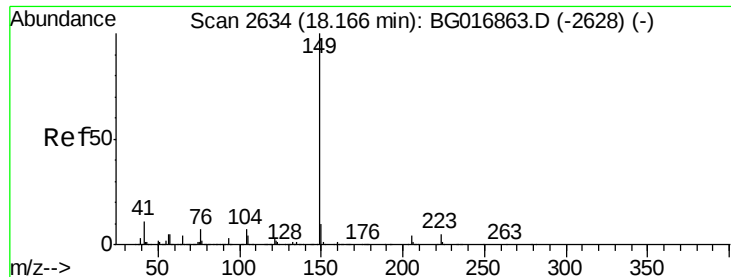
Tgt Ion:178 Resp: 954966  
 Ion Ratio Lower Upper  
 178 100  
 176 19.6 16.2 24.4  
 179 16.0 13.1 19.7



#72  
 Carbazole  
 Concen: 41.46 ng  
 RT: 17.58 min Scan# 2534  
 Delta R.T. -0.01 min  
 Lab File: BG017014.D  
 Acq: 10 May 2015 7:57

Tgt Ion:167 Resp: 920119  
 Ion Ratio Lower Upper  
 167 100  
 166 21.9 18.4 27.6  
 139 15.2 12.2 18.4





#73

Di-n-butylphthalate

Concen: 41.52 ng

RT: 18.14 min Scan# 2630

Delta R.T. -0.02 min

Lab File: BG017014.D

Acq: 10 May 2015 7:57

Instrument :

BNA\_G

ClientSampleId :

LAR9794-AMSD

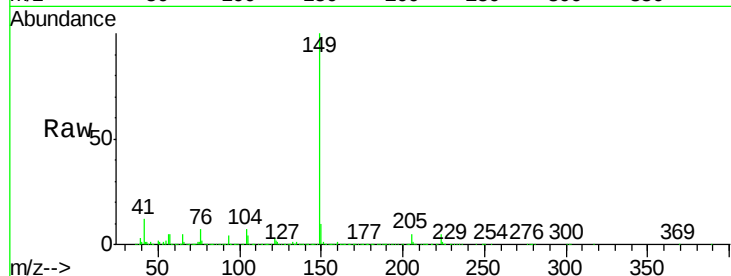
Tgt Ion:149 Resp: 1194599

Ion Ratio Lower Upper

149 100

150 10.0 7.7 11.5

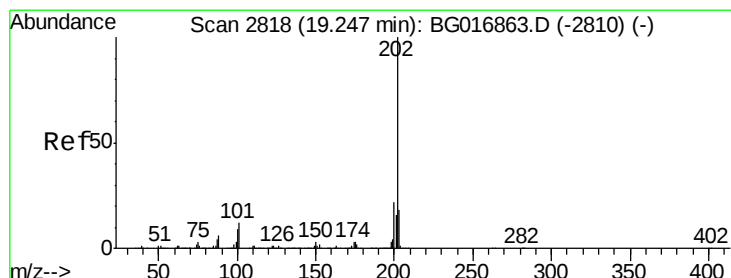
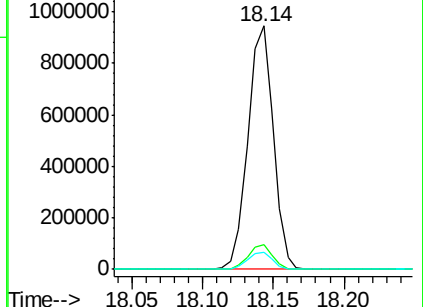
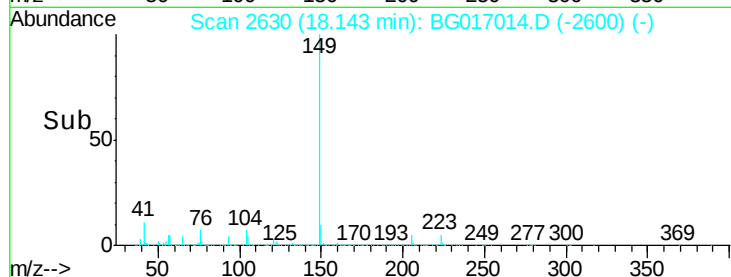
104 7.1 5.4 8.0



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: 40.49 ng

RT: 19.23 min Scan# 2815

Delta R.T. -0.02 min

Lab File: BG017014.D

Acq: 10 May 2015 7:57

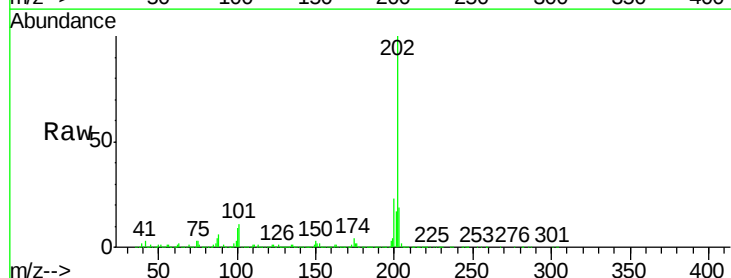
Tgt Ion:202 Resp: 1087100

Ion Ratio Lower Upper

202 100

101 11.0 0.0 31.5

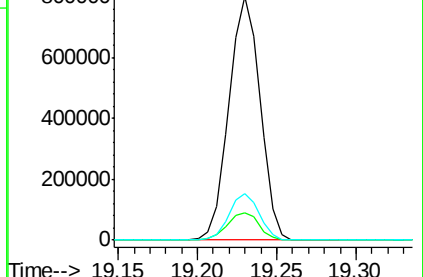
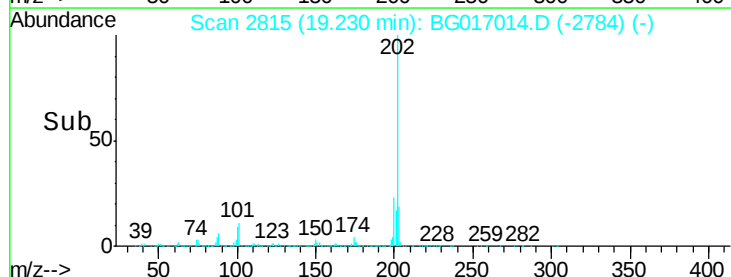
203 19.0 0.0 38.1

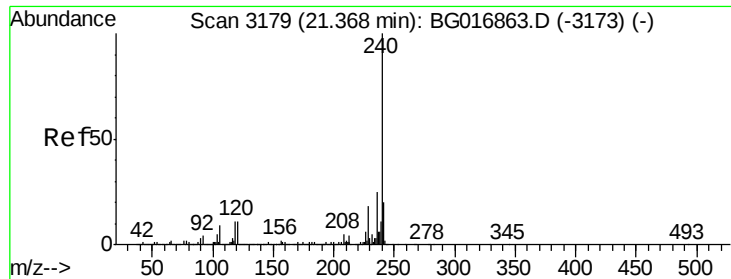


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.35 min Scan# 3176

Delta R.T. -0.02 min

Lab File: BG017014.D

Acq: 10 May 2015 7:57

Instrument :

BNA\_G

ClientSampleId :

LAR9794-AMSD

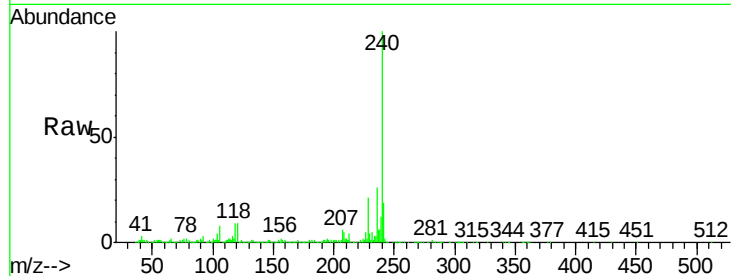
Tgt Ion:240 Resp: 448824

Ion Ratio Lower Upper

240 100

120 9.1 9.1 13.7#

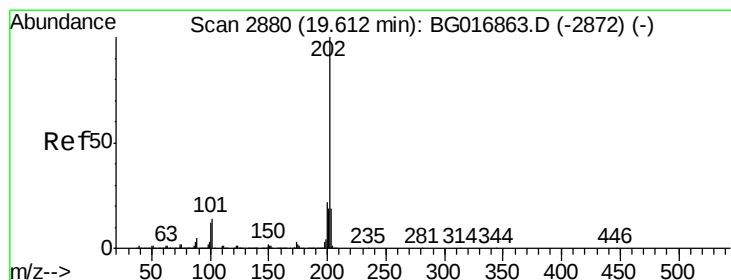
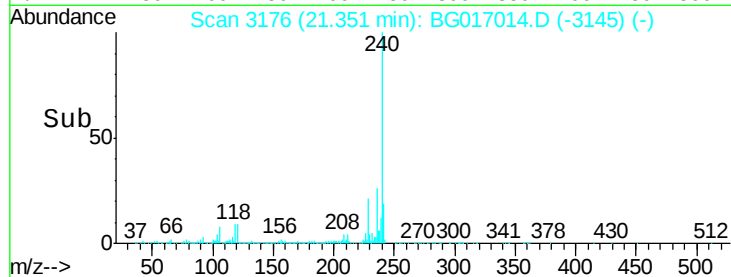
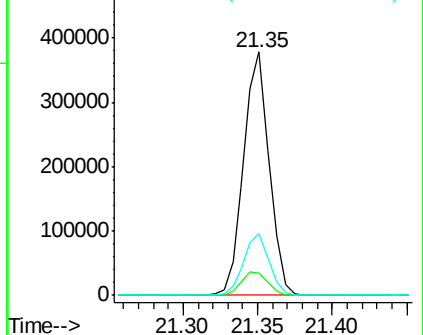
236 25.6 20.2 30.4



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



#77

Pyrene

Concen: 41.96 ng

RT: 19.59 min Scan# 2877

Delta R.T. -0.02 min

Lab File: BG017014.D

Acq: 10 May 2015 7:57

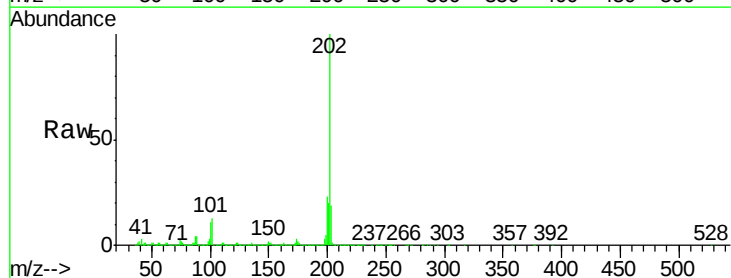
Tgt Ion:202 Resp: 1111411

Ion Ratio Lower Upper

202 100

200 23.0 17.9 26.9

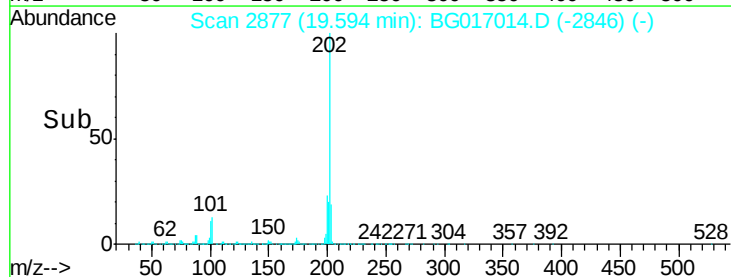
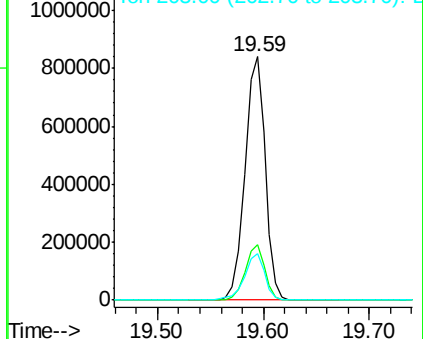
203 19.2 15.2 22.8

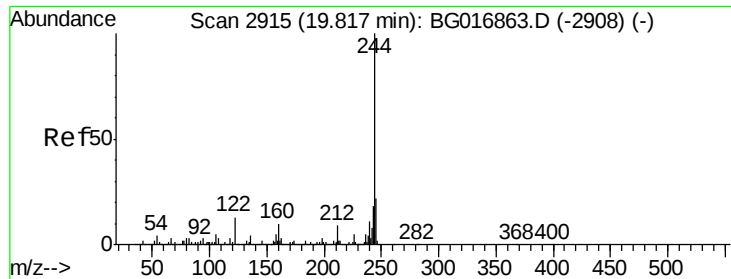


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 85.10 ng

RT: 19.80 min Scan# 2912

Delta R.T. -0.02 min

Lab File: BG017014.D

Acq: 10 May 2015 7:57

Instrument :

BNA\_G

ClientSampleId :

LAR9794-AMSD

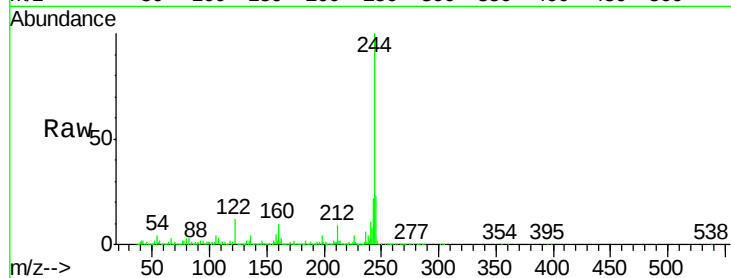
Tgt Ion:244 Resp: 1629263

Ion Ratio Lower Upper

244 100

212 9.2 7.0 10.6

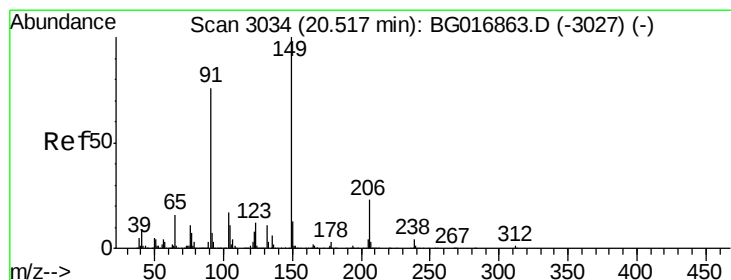
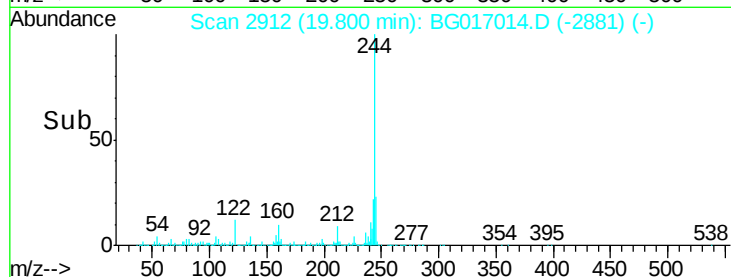
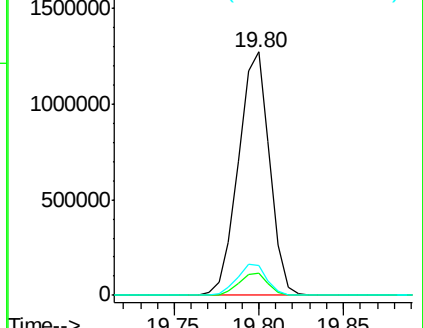
122 12.4 10.4 15.6



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#79

Butylbenzylphthalate

Concen: 42.09 ng

RT: 20.49 min Scan# 3030

Delta R.T. -0.02 min

Lab File: BG017014.D

Acq: 10 May 2015 7:57

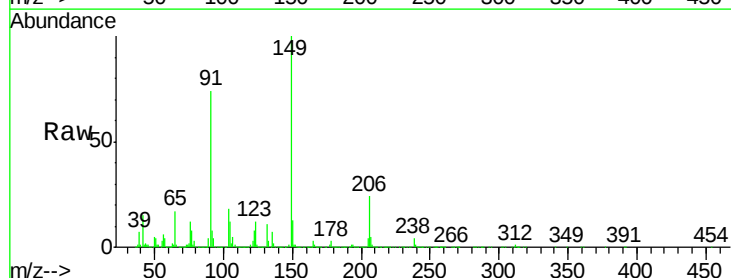
Tgt Ion:149 Resp: 529956

Ion Ratio Lower Upper

149 100

91 73.8 60.6 91.0

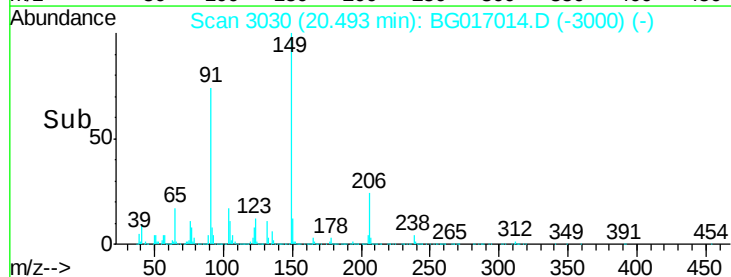
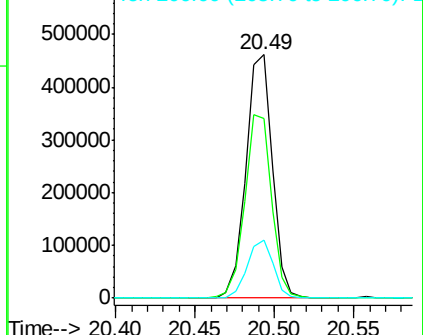
206 23.9 18.4 27.6

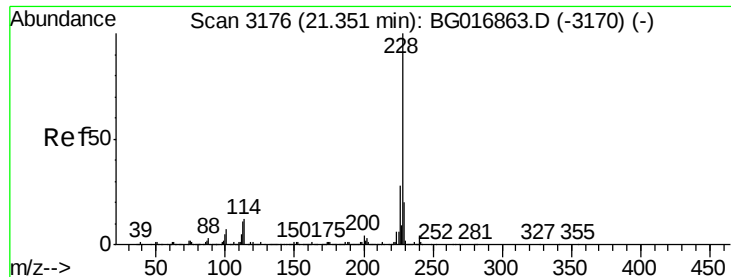


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG0

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 42.26 ng

RT: 21.33 min Scan# 3173

Delta R.T. -0.02 min

Lab File: BG017014.D

Acq: 10 May 2015 7:57

Instrument :

BNA\_G

ClientSampleId :

LAR9794-AMSD

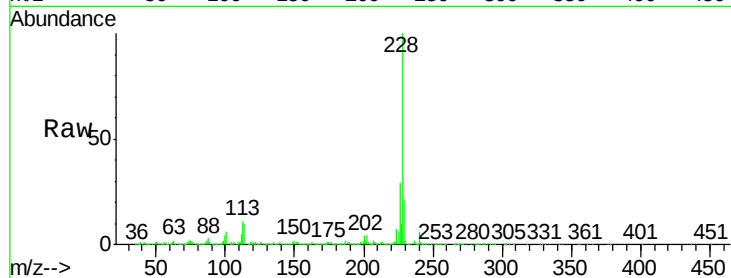
Tgt Ion:228 Resp: 1017540

Ion Ratio Lower Upper

228 100

226 28.9 22.7 34.1

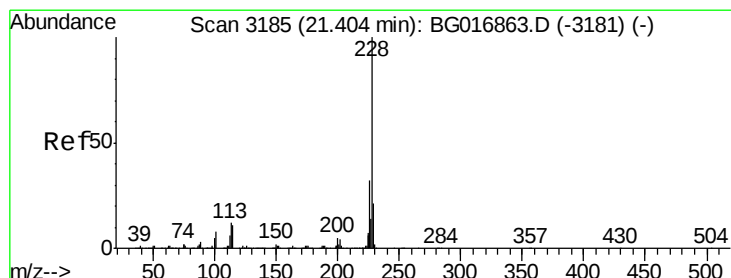
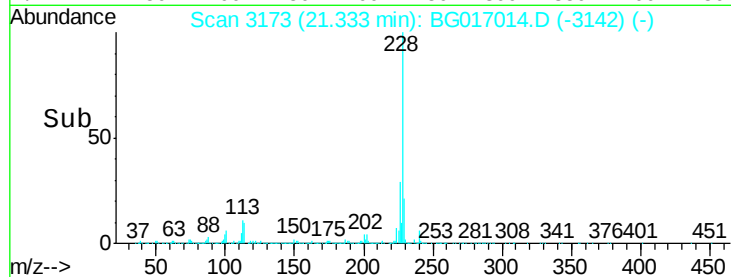
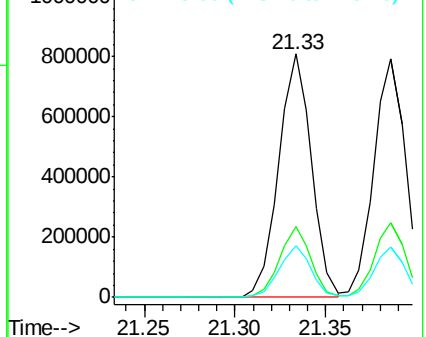
229 21.3 16.1 24.1



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 42.72 ng

RT: 21.39 min Scan# 3182

Delta R.T. -0.02 min

Lab File: BG017014.D

Acq: 10 May 2015 7:57

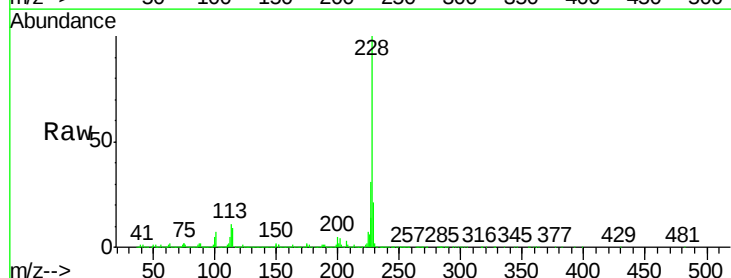
Tgt Ion:228 Resp: 963481

Ion Ratio Lower Upper

228 100

226 31.3 25.4 38.0

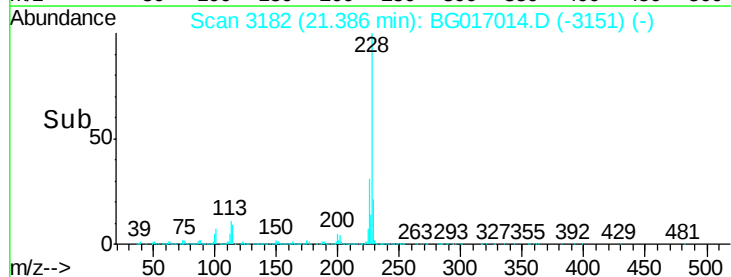
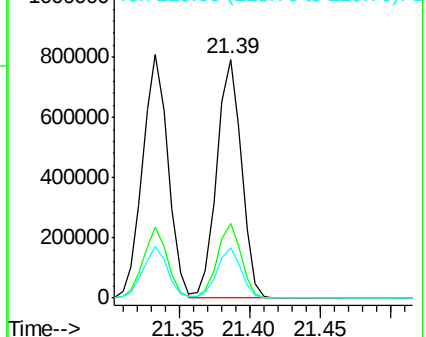
229 21.1 16.5 24.7

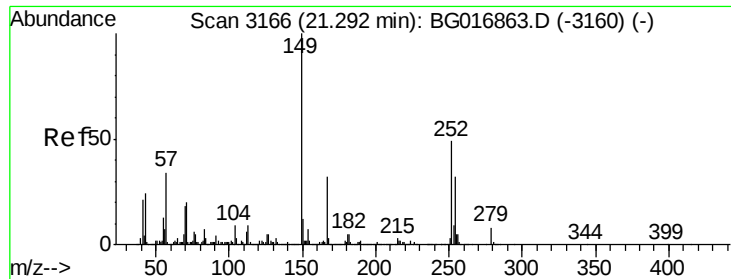


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

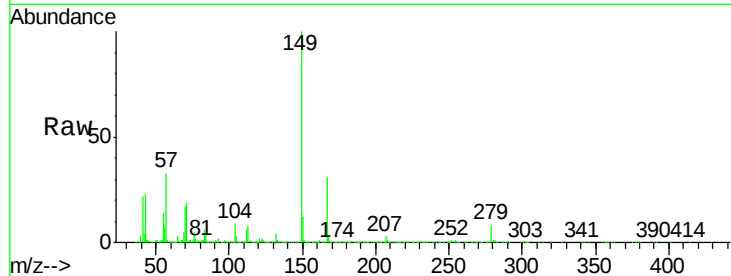




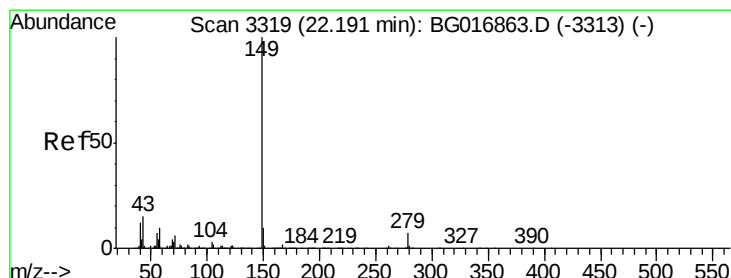
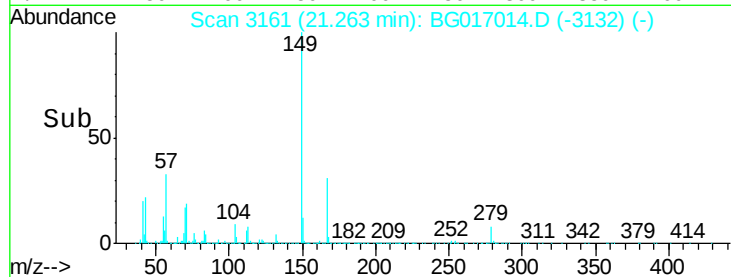
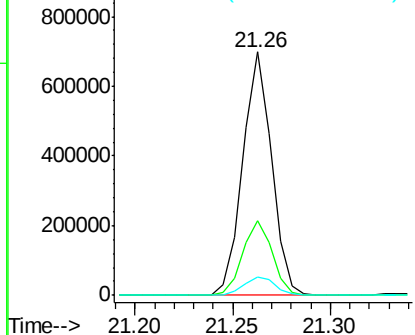
#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 41.52 ng  
 RT: 21.26 min Scan# 3161  
 Delta R.T. -0.03 min  
 Lab File: BG017014.D  
 Acq: 10 May 2015 7:57

Instrument :  
 BNA\_G  
 ClientSampleId :  
 LAR9794-AMSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 30.8  | 25.4  | 38.0  |
| 279     | 7.8   | 6.4   | 9.6   |

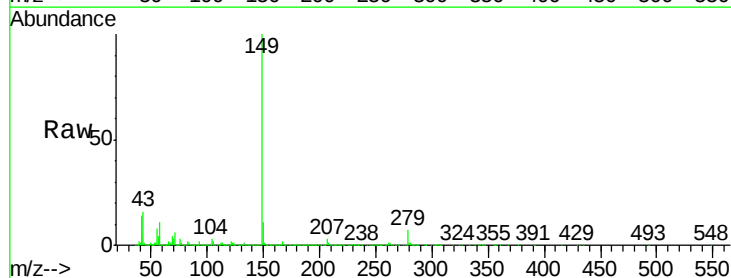


Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 167.00 (166.70 to 167.70): E  
 Ion 279.00 (278.70 to 279.70): E

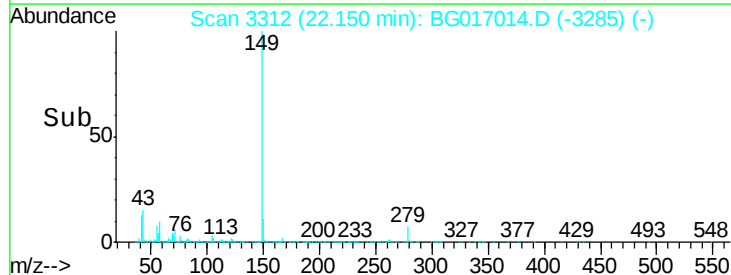
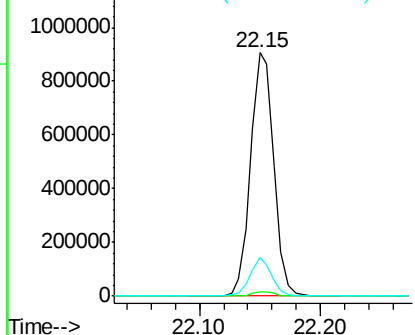


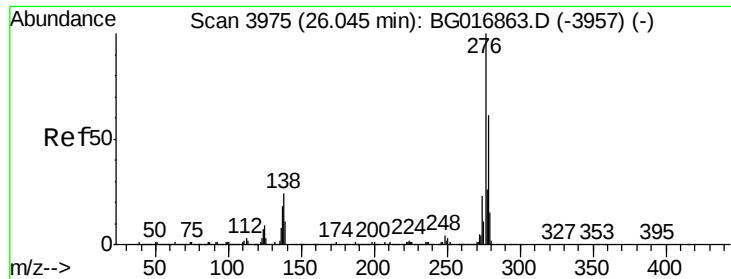
#84  
 Di-n-octyl phthalate  
 Concen: 41.73 ng  
 RT: 22.15 min Scan# 3312  
 Delta R.T. -0.04 min  
 Lab File: BG017014.D  
 Acq: 10 May 2015 7:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 1.7   | 0.0   | 0.0#  |
| 43      | 14.5  | 0.0   | 0.0#  |



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): BGO





#85

Indeno(1,2,3-cd)pyrene

Concen: 42.95 ng

RT: 26.00 min Scan# 3968

Delta R.T. -0.04 min

Lab File: BG017014.D

Acq: 10 May 2015 7:57

Instrument :

BNA\_G

ClientSampleId :

LAR9794-AMSD

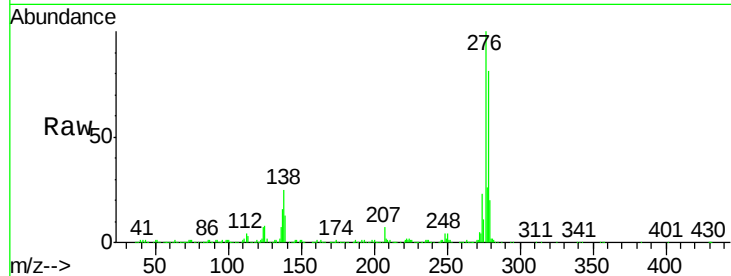
Tgt Ion:276 Resp: 1154261

Ion Ratio Lower Upper

276 100

138 24.0 0.0 0.0#

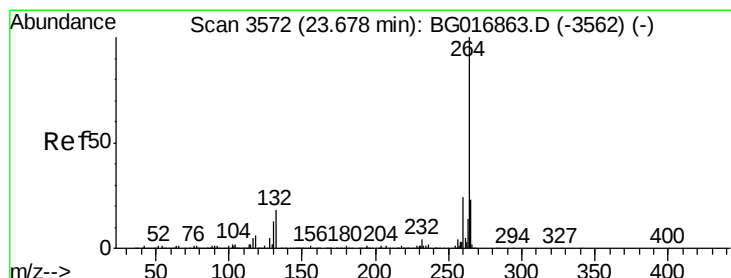
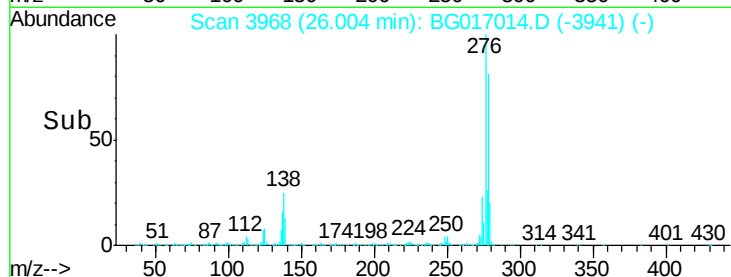
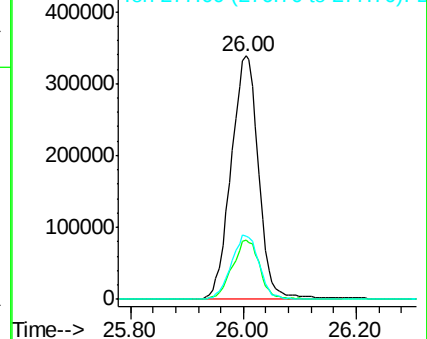
277 26.4 0.0 0.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 23.64 min Scan# 3566

Delta R.T. -0.04 min

Lab File: BG017014.D

Acq: 10 May 2015 7:57

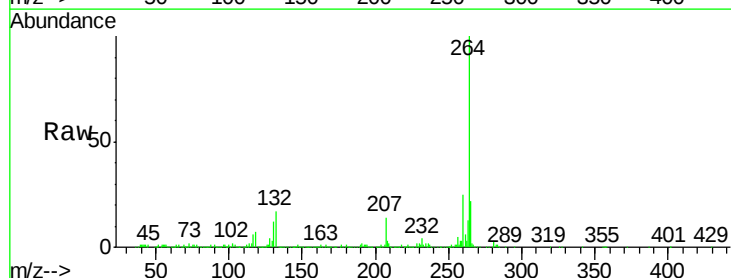
Tgt Ion:264 Resp: 431684

Ion Ratio Lower Upper

264 100

260 24.9 19.5 29.3

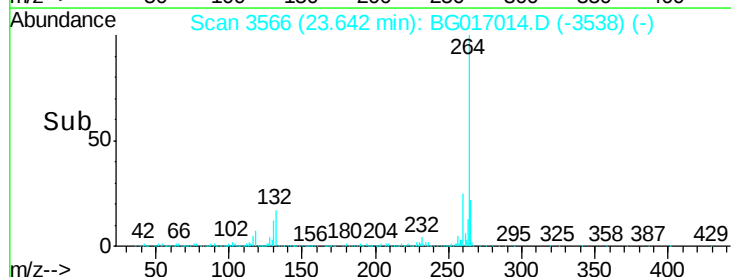
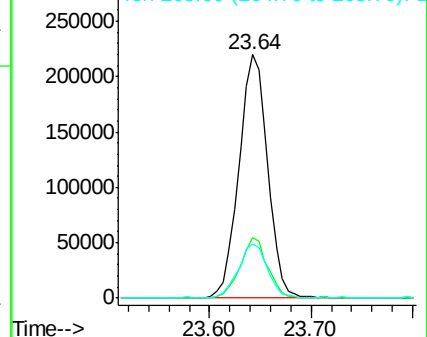
265 22.3 18.5 27.7

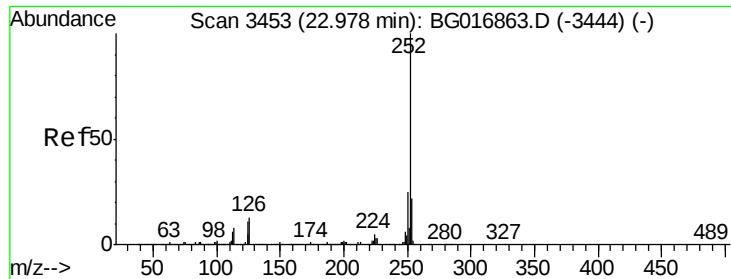


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 43.26 ng

RT: 22.95 min Scan# 3448

Delta R.T. -0.03 min

Lab File: BG017014.D

Acq: 10 May 2015 7:57

Instrument :

BNA\_G

ClientSampleId :

LAR9794-AMSD

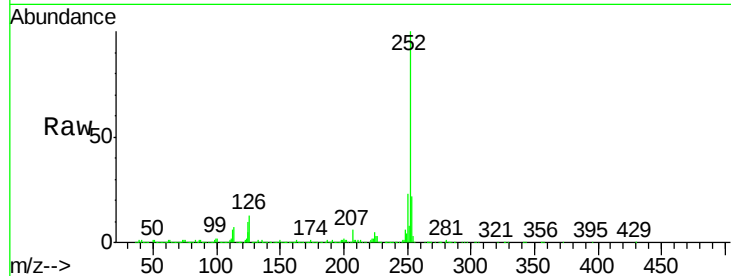
Tgt Ion:252 Resp: 1040437

Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.0

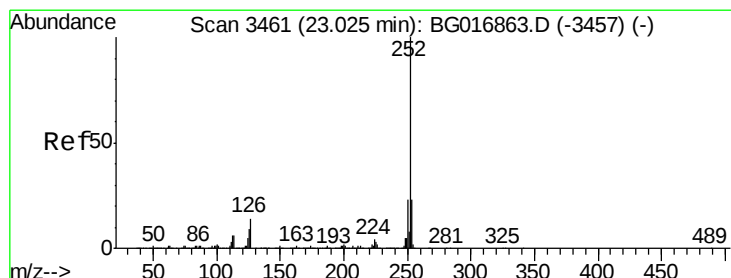
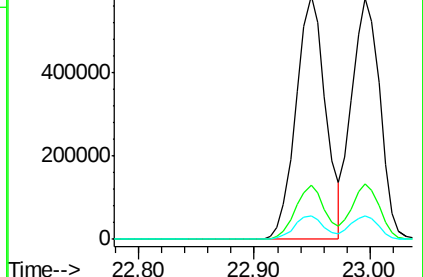
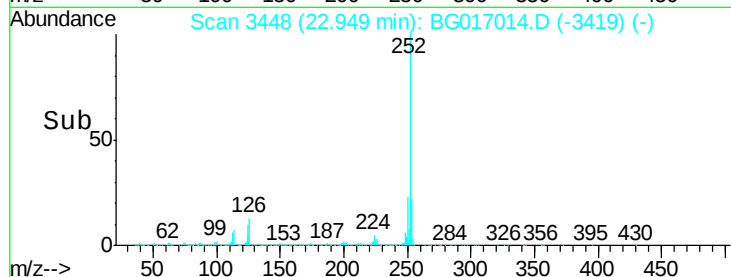
125 9.8 8.6 13.0



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 42.26 ng

RT: 23.00 min Scan# 3456

Delta R.T. -0.03 min

Lab File: BG017014.D

Acq: 10 May 2015 7:57

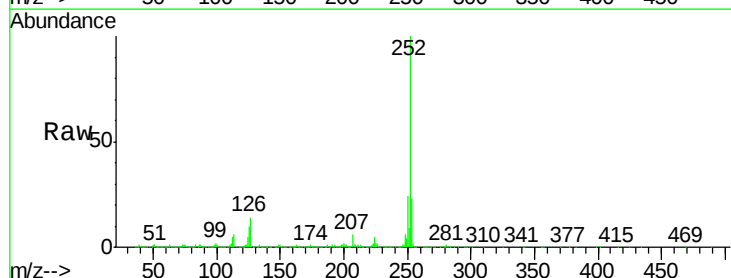
Tgt Ion:252 Resp: 977689

Ion Ratio Lower Upper

252 100

253 23.2 18.4 27.6

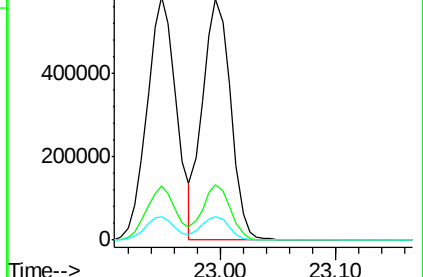
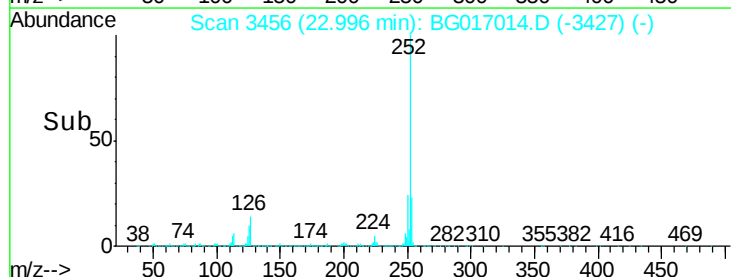
125 10.0 7.9 11.9

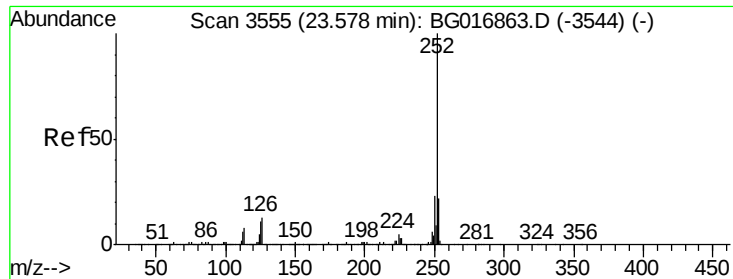


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 43.67 ng

RT: 23.54 min Scan# 3549

Delta R.T. -0.04 min

Lab File: BG017014.D

Acq: 10 May 2015 7:57

Instrument :

BNA\_G

ClientSampleId :

LAR9794-AMSD

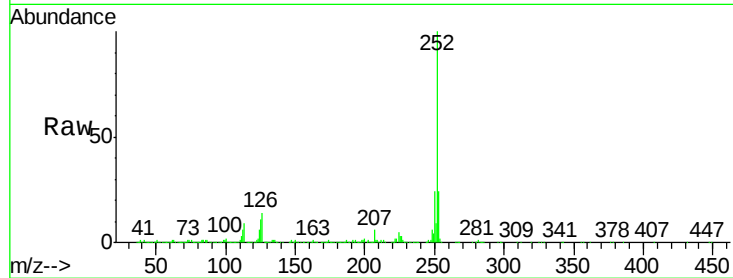
Tgt Ion:252 Resp: 979375

Ion Ratio Lower Upper

252 100

253 23.6 17.7 26.5

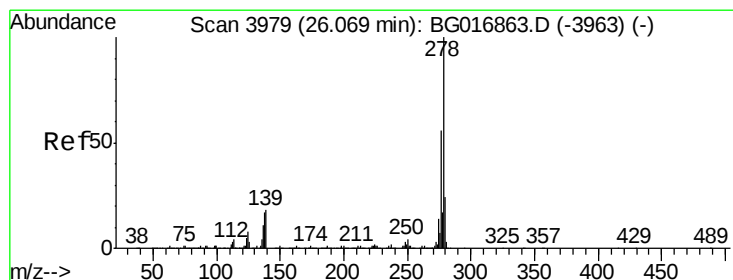
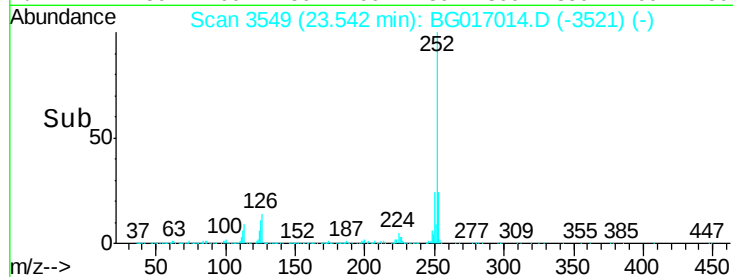
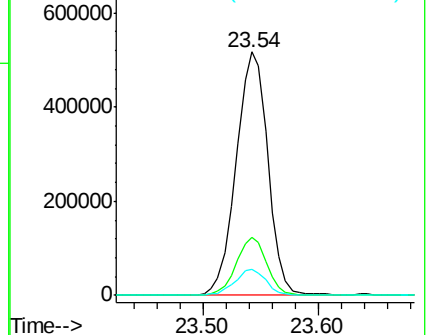
125 10.7 8.5 12.7



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 42.37 ng

RT: 26.02 min Scan# 3971

Delta R.T. -0.05 min

Lab File: BG017014.D

Acq: 10 May 2015 7:57

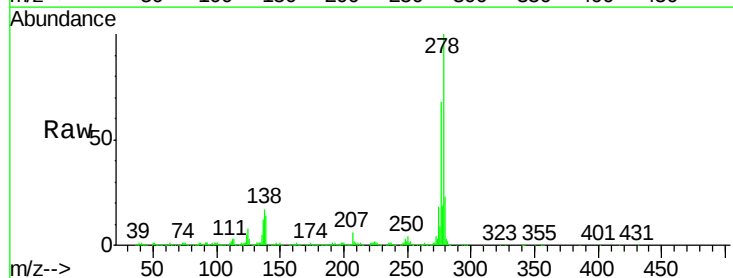
Tgt Ion:278 Resp: 970606

Ion Ratio Lower Upper

278 100

139 14.1 14.2 21.2#

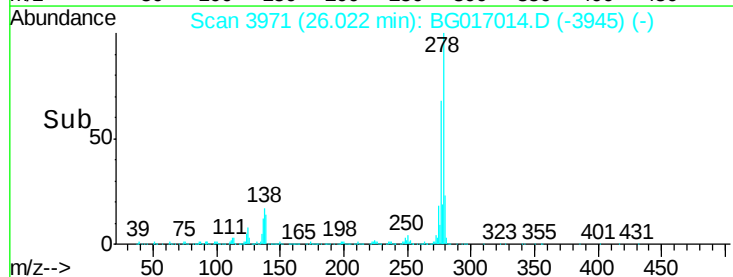
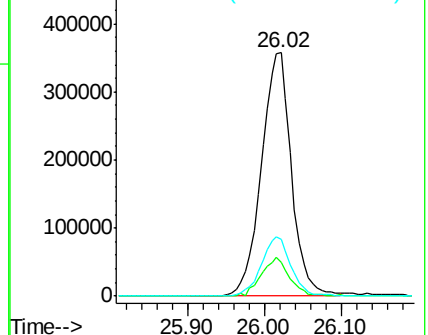
279 23.4 18.9 28.3

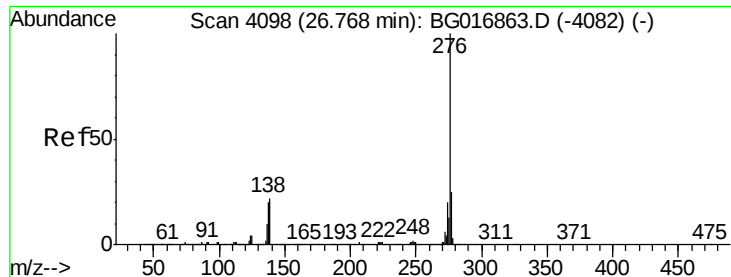


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

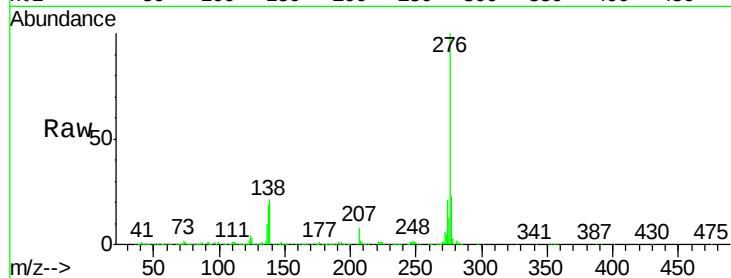




#91  
 Benzo(g,h,i)perylene  
 Concen: 42.65 ng  
 RT: 26.73 min Scan# 4092  
 Delta R.T. -0.04 min  
 Lab File: BG017014.D  
 Acq: 10 May 2015 7:57

Instrument :  
 BNA\_G  
 ClientSampleId :  
 LAR9794-AMSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 23.3  | 19.6  | 29.4  |
| 138     | 20.6  | 17.5  | 26.3  |



Abundance Ion 276.00 (275.70 to 276.70): E  
 Ion 277.00 (276.70 to 277.70): E  
 Ion 138.00 (137.70 to 138.70): E

