

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG012115\  
 Data File : BG015908.D  
 Acq On : 21 Jan 2015 18:42  
 Operator : TP/IZ  
 Sample : G1100-18  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 8024

Quant Time: Jan 22 00:26:12 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG012015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jan 22 00:16:08 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.68  | 152  | 100064   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.47 | 136  | 443891   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 14.33 | 164  | 374096   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 17.08 | 188  | 940217   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 21.28 | 240  | 1188070  | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 23.54 | 264  | 1116942  | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.27  | 112 | 1005775 | 149.68 | ng | 0.00 |
| 7) Phenol-d6             | 6.87  | 99  | 1687184 | 155.81 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 8.84  | 82  | 1400676 | 90.96  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 15.83 | 330 | 1011995 | 147.77 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 12.95 | 172 | 2284089 | 95.80  | ng | 0.00 |
| 78) Terphenyl-d14        | 19.72 | 244 | 3748110 | 92.80  | ng | 0.00 |

## Target Compounds

|                                |       |     |         |        |    | Qvalue |
|--------------------------------|-------|-----|---------|--------|----|--------|
| 6) Aniline                     | 7.12  | 93  | 1893664 | 121.45 | ng | # 50   |
| 10) Phenol                     | 6.90  | 94  | 2358564 | 191.11 | ng | 89     |
| 11) bis(2-Chloroethyl)ether    | 7.12  | 93  | 1894168 | 198.62 | ng | 92     |
| 12) 1,3-Dichlorobenzene        | 7.57  | 146 | 1648786 | 216.09 | ng | 97     |
| 13) 1,4-Dichlorobenzene        | 7.72  | 146 | 1819841 | 231.00 | ng | 92     |
| 14) 1,2-Dichlorobenzene        | 8.04  | 146 | 1209170 | 156.63 | ng | 95     |
| 26) 2-Nitrophenol              | 9.59  | 139 | 315296  | 78.60  | ng | 86     |
| 27) 2,4-Dimethylphenol         | 9.59  | 122 | 21844   | 2.85   | ng | # 1    |
| 28) bis(2-Chloroethoxy)methane | 9.89  | 93  | 1811650 | 137.44 | ng | 100    |
| 30) 1,2,4-Trichlorobenzene     | 10.34 | 180 | 2393866 | 246.30 | ng | # 96   |
| 31) Naphthalene                | 10.52 | 128 | 3089729 | 136.00 | ng | # 93   |
| 32) Benzoic acid               | 9.85  | 122 | 360     | 10.44  | ng | # 3    |
| 33) 4-Chloroaniline            | 10.52 | 127 | 455128  | 42.98  | ng | # 31   |
| 34) Hexachlorobutadiene        | 10.80 | 225 | 1377555 | 144.90 | ng | 91     |
| 36) 4-Chloro-3-methylphenol    | 11.78 | 107 | 2688959 | 228.09 | ng | # 88   |
| 37) 2-Methylnaphthalene        | 12.15 | 142 | 3480540 | 192.90 | ng | 97     |
| 42) 2,4,6-Trichlorophenol      | 12.84 | 196 | 923929  | 110.56 | ng | 98     |
| 43) 2,4,5-Trichlorophenol      | 12.84 | 196 | 923929  | 97.80  | ng | 98     |
| 46) 2-Chloronaphthalene        | 13.21 | 162 | 980303  | 49.17  | ng | 94     |
| 48) Acenaphthylene             | 14.06 | 152 | 5378201 | 177.63 | ng | # 46   |
| 49) Dimethylphthalate          | 13.81 | 163 | 2750683 | 102.18 | ng | # 95   |
| 50) 2,6-Dinitrotoluene         | 13.94 | 165 | 1926128 | 316.94 | ng | 97     |
| 51) Acenaphthene               | 14.41 | 154 | 3501436 | 184.08 | ng | # 88   |
| 53) 2,4-Dinitrophenol          | 14.48 | 184 | 159     | 4.55   | ng | # 61   |
| 55) 4-Nitrophenol              | 14.58 | 139 | 564124  | 143.41 | ng | 93     |
| 56) 2,4-Dinitrotoluene         | 14.72 | 165 | 1724970 | 193.99 | ng | # 88   |
| 57) Fluorene                   | 15.39 | 166 | 3094645 | 109.30 | ng | # 94   |
| 59) Diethylphthalate           | 15.17 | 149 | 3659870 | 133.15 | ng | # 67   |
| 60) 4-Chlorophenyl-phenylether | 15.39 | 204 | 4426873 | 235.09 | ng | # 54   |
| 61) 4-Nitroaniline             | 15.39 | 138 | 94354   | 15.56  | ng | # 1    |
| 62) Azobenzene                 | 15.70 | 77  | 228401  | 5.13   | ng | # 45   |
| 66) 4-Bromophenyl-phenylether  | 16.27 | 248 | 774252  | 56.39  | ng | 91     |
| 67) Hexachlorobenzene          | 16.39 | 284 | 938450  | 63.23  | ng | 97     |
| 69) Pentachlorophenol          | 16.74 | 266 | 2022788 | 174.28 | ng | 87     |

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 QLast Update : Thu Jan 22 00:16:08 2015  
 Response via : Initial Calibration

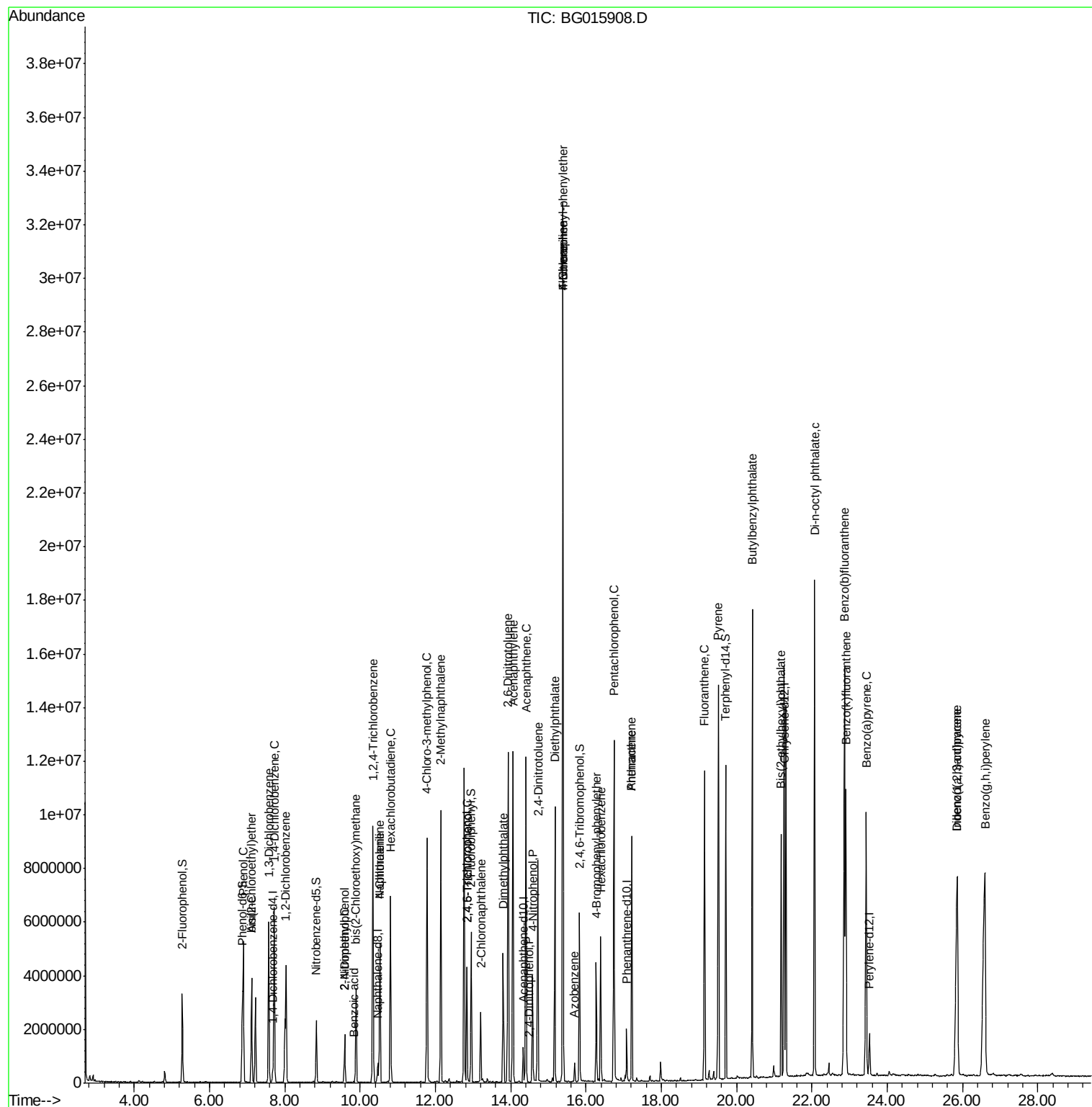
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| -----                          |       |      |          |           |       |          |
| 70) Phenanthrene               | 17.22 | 178  | 4128804  | 87.53     | ng    | # 76     |
| 71) Anthracene                 | 17.22 | 178  | 4128804  | 89.20     | ng    | # 73     |
| 74) Fluoranthene               | 19.15 | 202  | 4781433  | 75.90     | ng    | # 60     |
| 77) Pyrene                     | 19.52 | 202  | 5736802  | 101.61    | ng    | # 27     |
| 79) Butylbenzylphthalate       | 20.42 | 149  | 3466161  | 167.45    | ng    | # 84     |
| 80) Benzo(a)anthracene         | 21.26 | 228  | 5626446  | Below Cal |       | # 37     |
| 82) Chrysene                   | 21.31 | 228  | 4513038  | Below Cal |       | # 46     |
| 83) Bis(2-ethylhexyl)phthalate | 21.19 | 149  | 2151461  | 77.30     | ng    | # 90     |
| 84) Di-n-octyl phthalate       | 22.07 | 149  | 5832266  | 135.44    | ng    | # 70     |
| 85) Indeno(1,2,3-cd)pyrene     | 25.87 | 276  | 9890837  | 141.99    | ng    | # 89     |
| 87) Benzo(b)fluoranthene       | 22.87 | 252  | 8587922  | 134.70    | ng    | # 26     |
| 88) Benzo(k)fluoranthene       | 22.91 | 252  | 4194847  | 67.97     | ng    | # 61     |
| 89) Benzo(a)pyrene             | 23.45 | 252  | 6611350  | 107.77    | ng    | # 65     |
| 90) Dibenzo(a,h)anthracene     | 25.87 | 278  | 393952   | 6.76      | ng    | # 67     |
| 91) Benzo(g,h,i)perylene       | 26.60 | 276  | 12251272 | 215.63    | ng    | # 63     |
| -----                          |       |      |          |           |       |          |

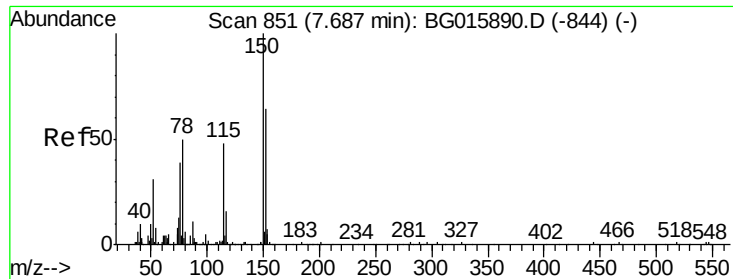
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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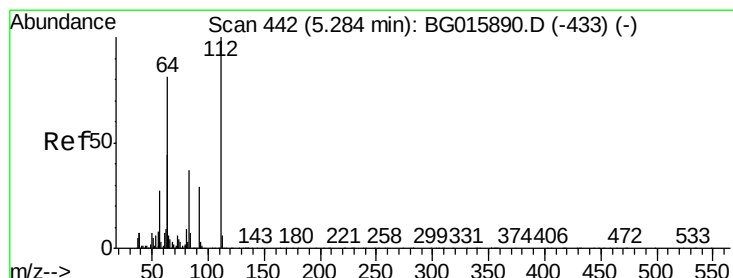
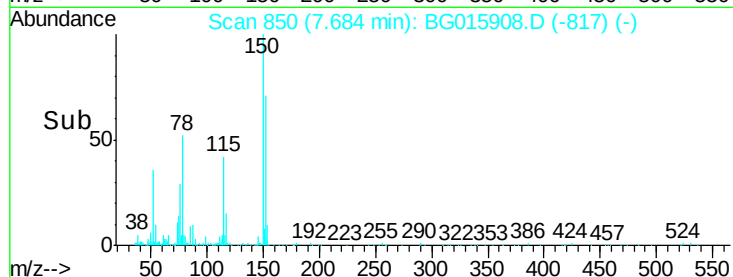
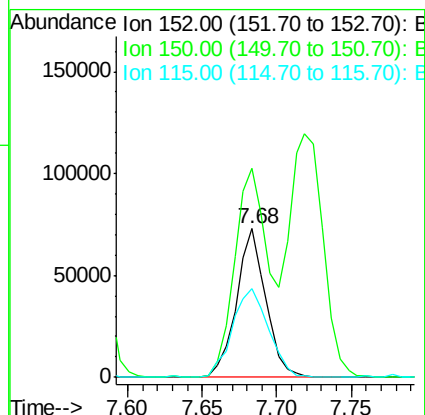
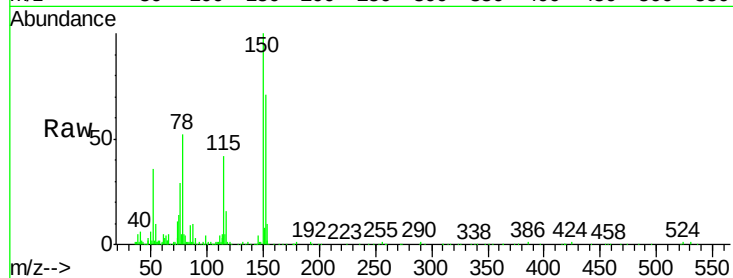


#1

1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.68 min Scan# 850  
Delta R.T. -0.00 min  
Lab File: BG015908.D  
Acq: 21 Jan 2015 18:42

Instrument :  
BNA\_G  
ClientSampleId :  
8024

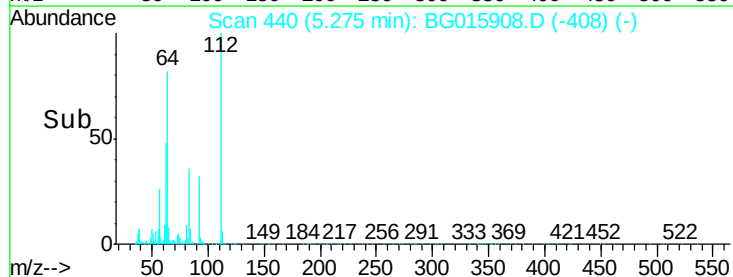
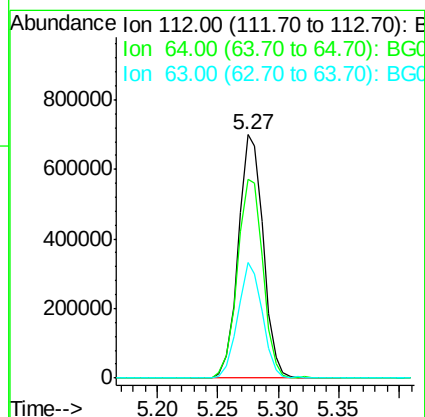
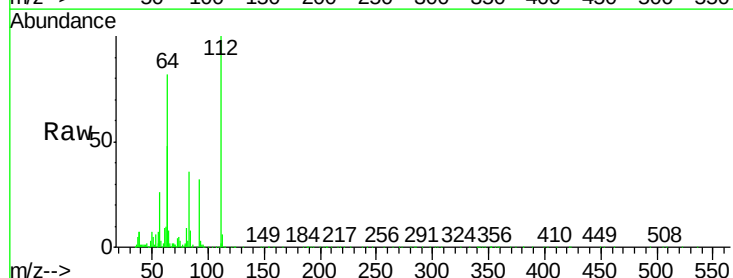
Tgt Ion:152 Resp: 100064  
Ion Ratio Lower Upper  
152 100  
150 140.4 124.5 186.7  
115 59.3 60.4 90.6#

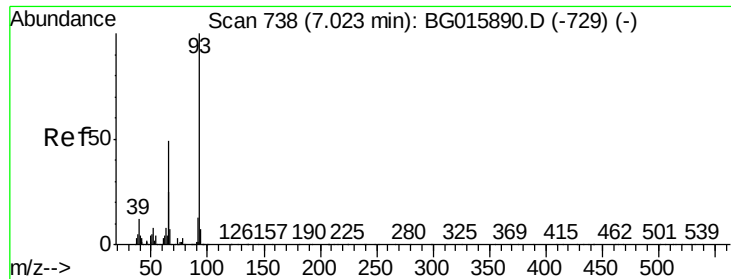


#5

2-Fluorophenol  
Concen: 149.68 ng  
RT: 5.27 min Scan# 440  
Delta R.T. -0.01 min  
Lab File: BG015908.D  
Acq: 21 Jan 2015 18:42

Tgt Ion:112 Resp: 1005775  
Ion Ratio Lower Upper  
112 100  
64 81.7 64.4 96.6  
63 47.6 35.1 52.7





#6

Aniline

Concen: 121.45 ng

RT: 7.12 min Scan# 754

Delta R.T. 0.10 min

Lab File: BG015908.D

Acq: 21 Jan 2015 18:42

Instrument :

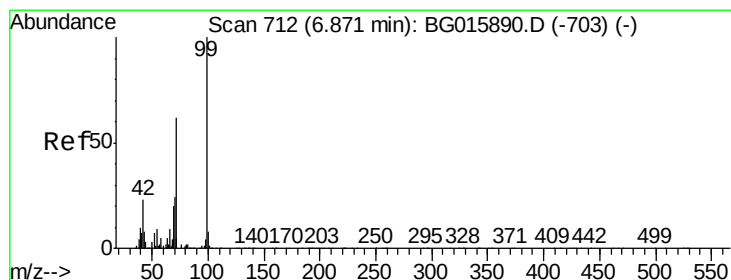
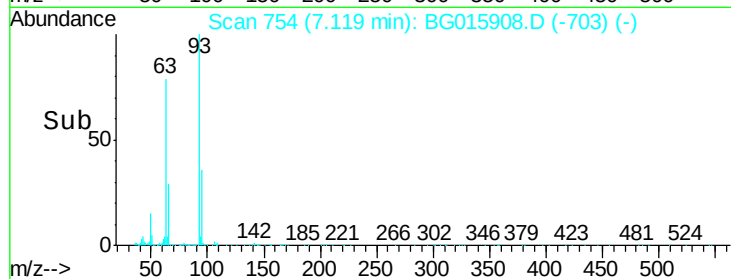
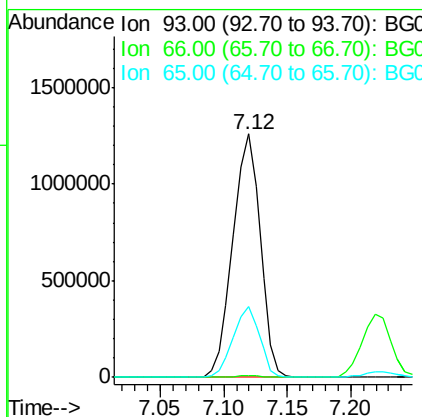
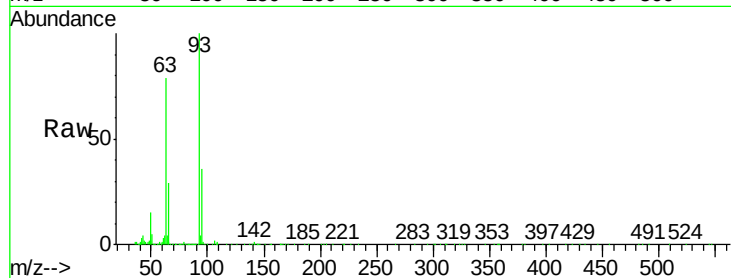
BNA\_G

ClientSampleId :

8024

Tgt Ion: 93 Resp: 1893664

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 93  | 100   |       |       |
| 66  | 0.8   | 39.0  | 58.6# |
| 65  | 29.2  | 19.8  | 29.6  |



#7

Phenol-d6

Concen: 155.81 ng

RT: 6.87 min Scan# 712

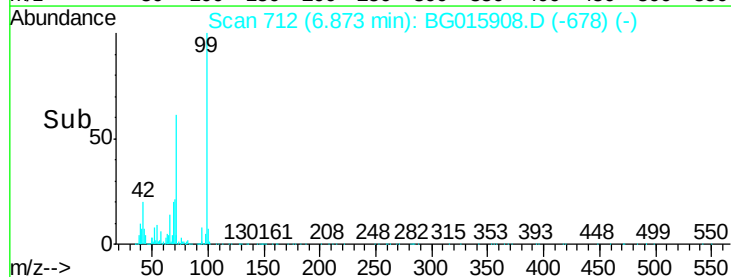
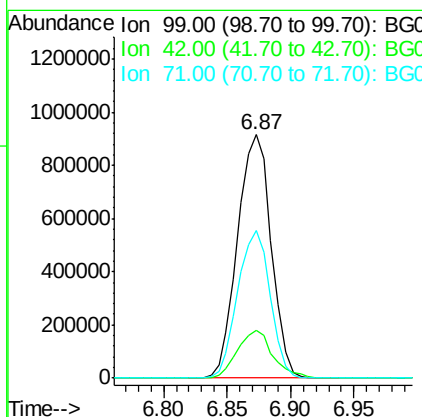
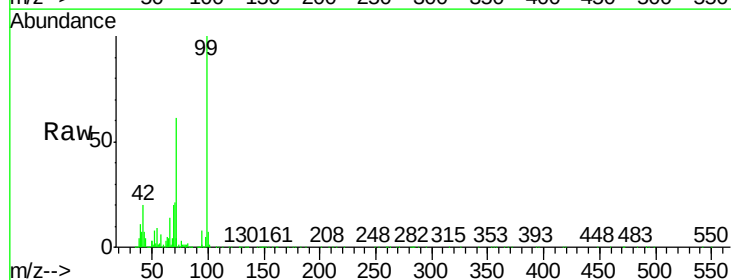
Delta R.T. 0.00 min

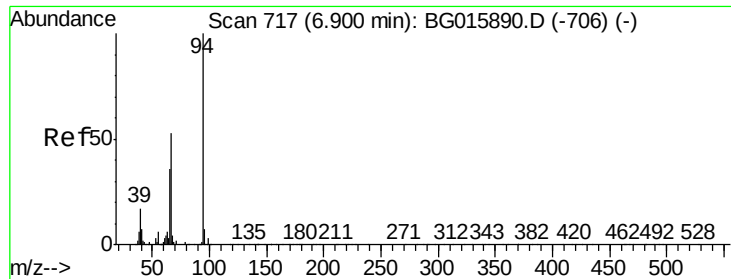
Lab File: BG015908.D

Acq: 21 Jan 2015 18:42

Tgt Ion: 99 Resp: 1687184

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 19.6  | 18.1  | 27.1  |
| 71  | 60.7  | 49.8  | 74.8  |





#10

Phenol

Concen: 191.11 ng

RT: 6.90 min Scan# 717

Delta R.T. 0.00 min

Lab File: BG015908.D

Acq: 21 Jan 2015 18:42

Instrument :

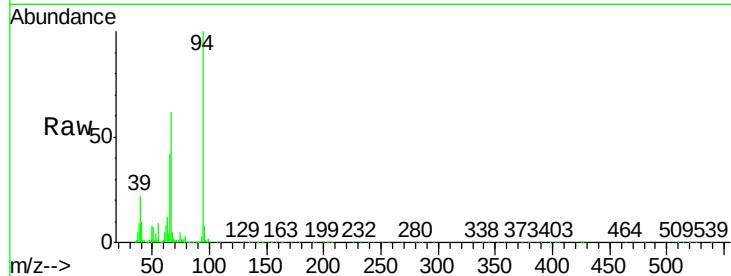
BNA\_G

ClientSampleId :

8024

Tgt Ion: 94 Resp: 2358564

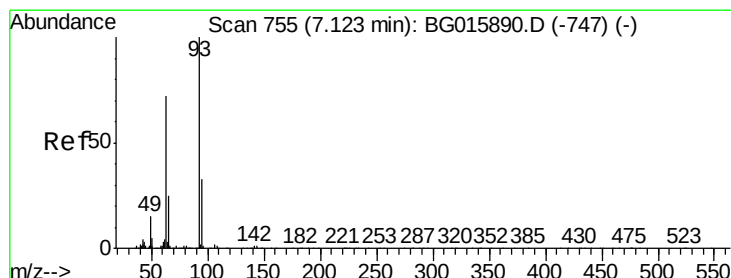
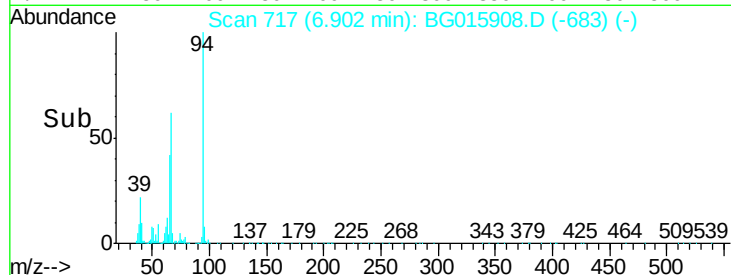
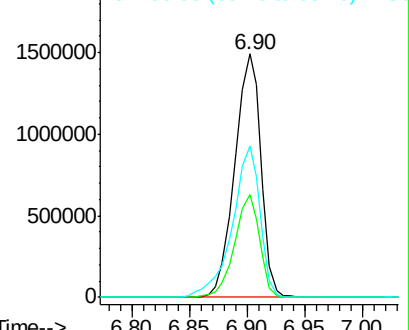
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 94  | 100   |       |       |
| 65  | 42.1  | 16.5  | 56.5  |
| 66  | 62.0  | 33.3  | 73.3  |



Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC



#11

bis(2-Chloroethyl)ether

Concen: 198.62 ng

RT: 7.12 min Scan# 754

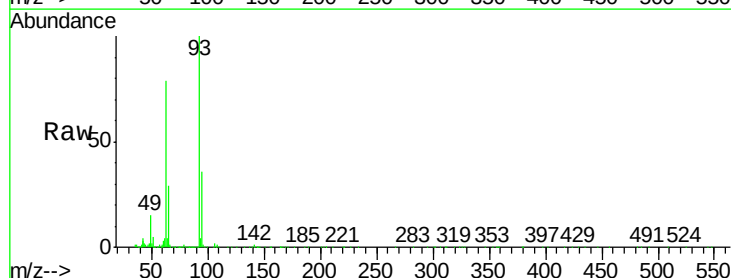
Delta R.T. 0.00 min

Lab File: BG015908.D

Acq: 21 Jan 2015 18:42

Tgt Ion: 93 Resp: 1894168

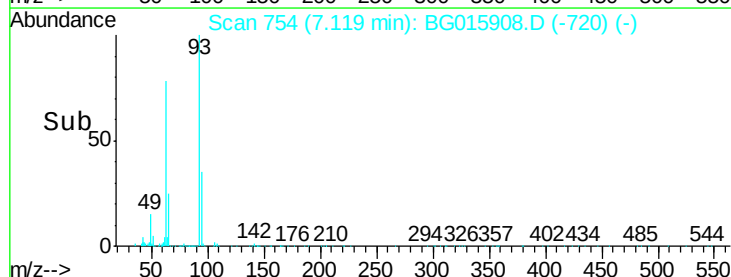
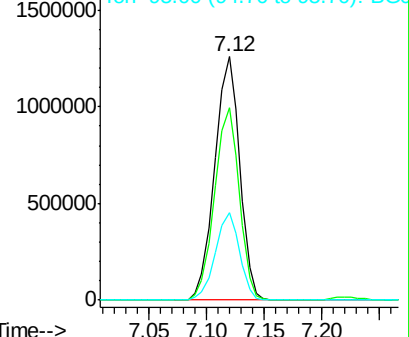
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 93  | 100   |       |       |
| 63  | 79.1  | 51.7  | 91.7  |
| 95  | 36.1  | 12.7  | 52.7  |

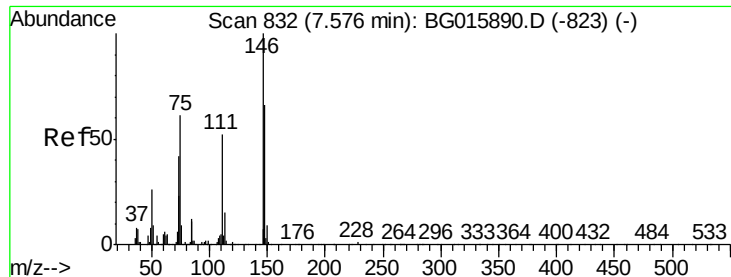


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 63.00 (62.70 to 63.70): BGC

Ion 95.00 (94.70 to 95.70): BGC

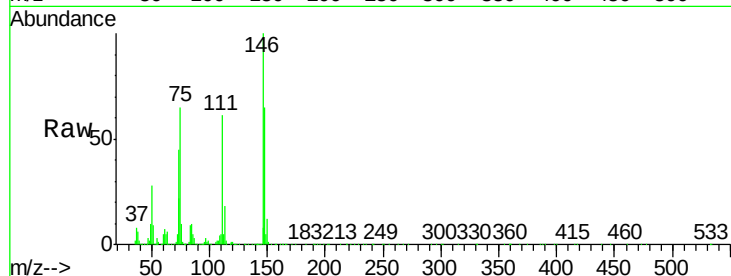




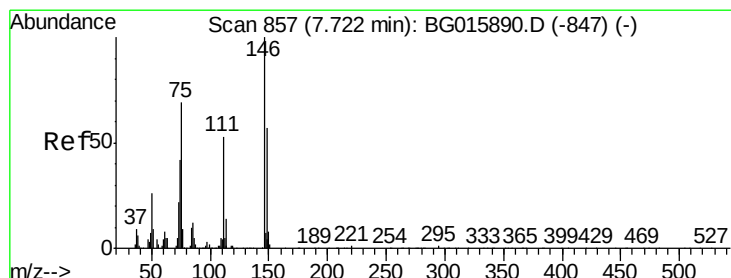
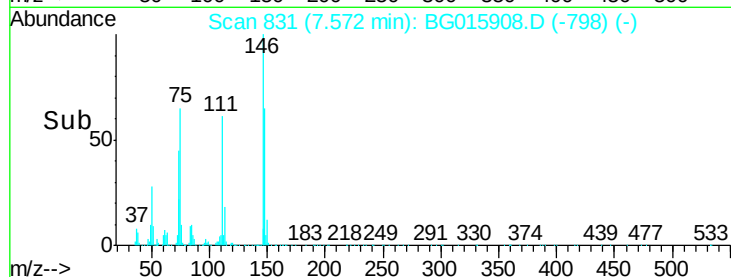
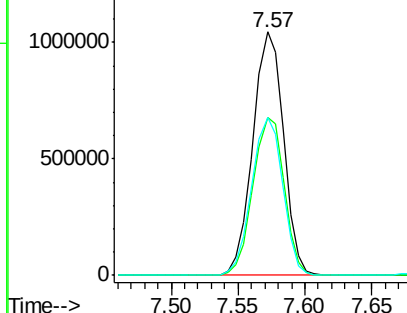
#12  
 1,3-Dichlorobenzene  
 Concen: 216.09 ng  
 RT: 7.57 min Scan# 831  
 Delta R.T. -0.00 min  
 Lab File: BG015908.D  
 Acq: 21 Jan 2015 18:42

Instrument :  
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Tgt Ion:146 Resp: 1648786  
 Ion Ratio Lower Upper  
 146 100  
 148 64.7 53.0 79.4  
 75 64.7 48.6 72.8

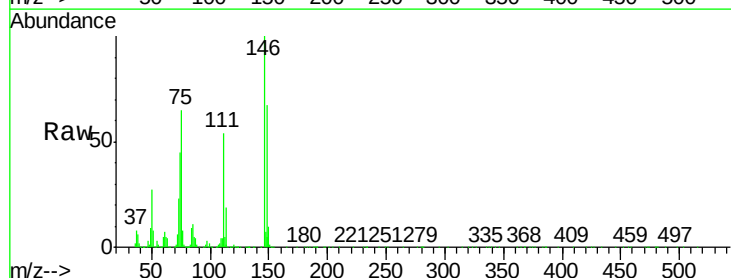


Abundance Ion 146.00 (145.70 to 146.70): E  
 Ion 148.00 (147.70 to 148.70): E  
 Ion 75.00 (74.70 to 75.70): B

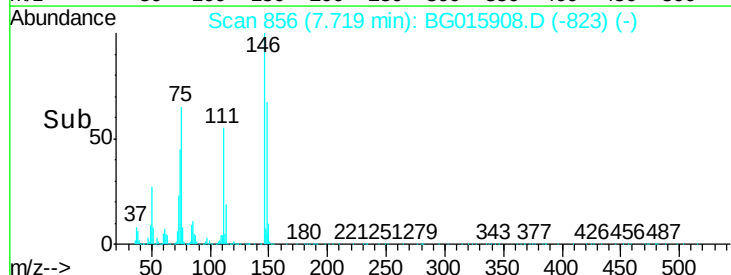
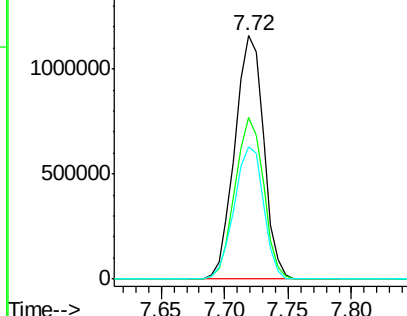


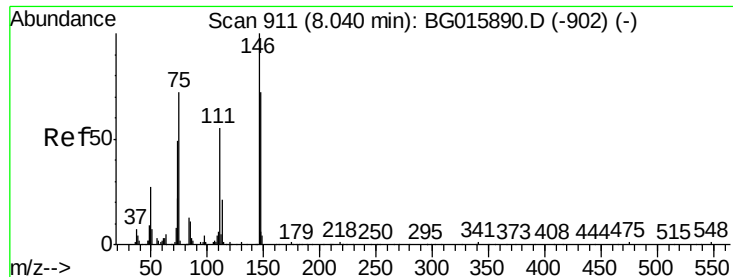
#13  
 1,4-Dichlorobenzene  
 Concen: 231.00 ng  
 RT: 7.72 min Scan# 856  
 Delta R.T. -0.00 min  
 Lab File: BG015908.D  
 Acq: 21 Jan 2015 18:42

Tgt Ion:146 Resp: 1819841  
 Ion Ratio Lower Upper  
 146 100  
 148 66.6 45.7 68.5  
 111 54.5 42.1 63.1



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

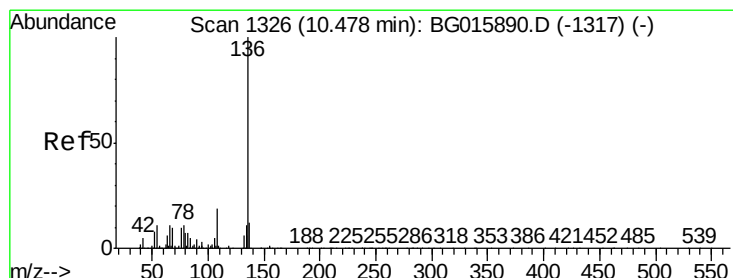
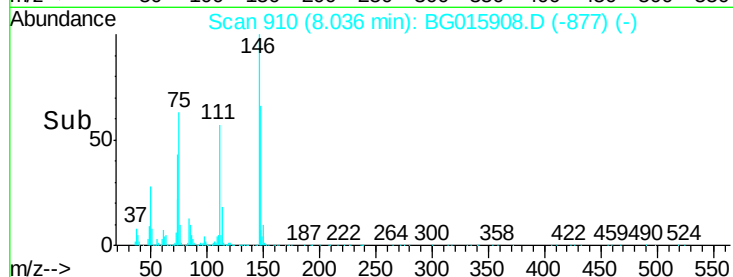
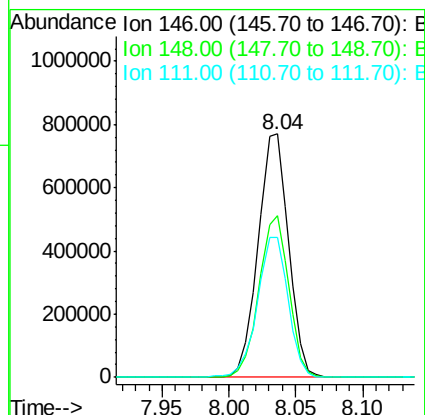
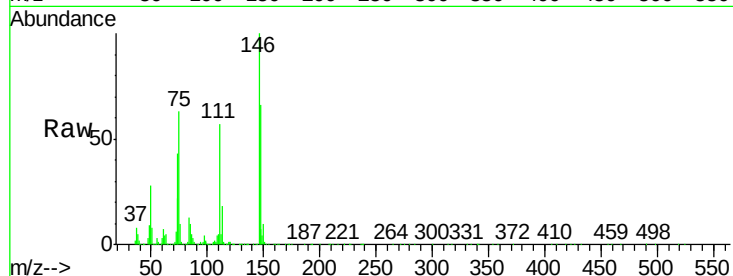




#14  
1,2-Dichlorobenzene  
Concen: 156.63 ng  
RT: 8.04 min Scan# 910  
Delta R.T. -0.00 min  
Lab File: BG015908.D  
Acq: 21 Jan 2015 18:42

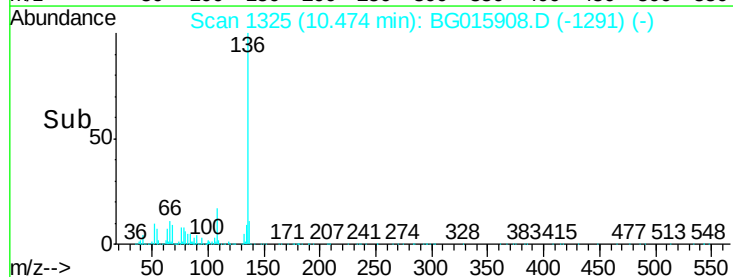
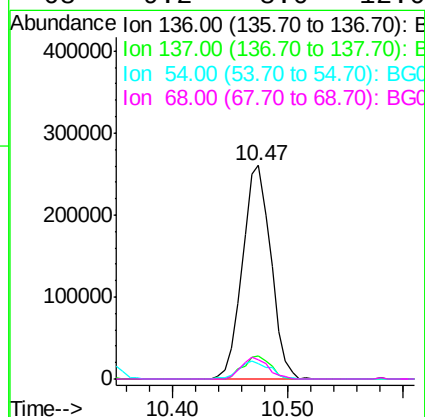
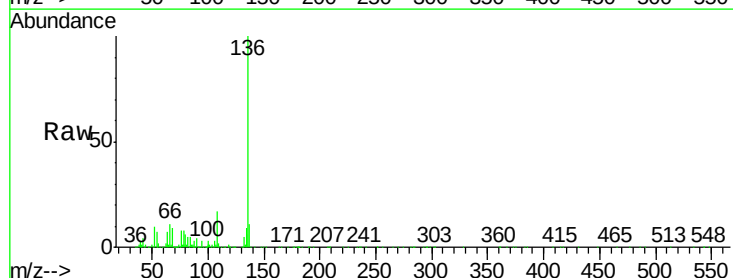
Instrument :  
BNA\_G  
ClientSampleId :  
8024

Tgt Ion:146 Resp: 1209170  
Ion Ratio Lower Upper  
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148 66.4 57.7 86.5  
111 57.2 44.6 66.8

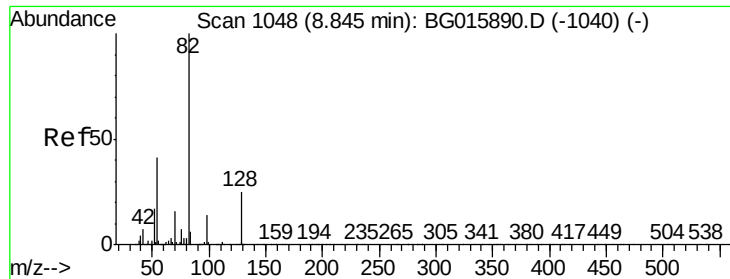


#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.47 min Scan# 1325  
Delta R.T. 0.00 min  
Lab File: BG015908.D  
Acq: 21 Jan 2015 18:42

Tgt Ion:136 Resp: 443891  
Ion Ratio Lower Upper  
136 100  
137 10.8 9.7 14.5  
54 7.5 8.5 12.7#  
68 9.2 8.0 12.0



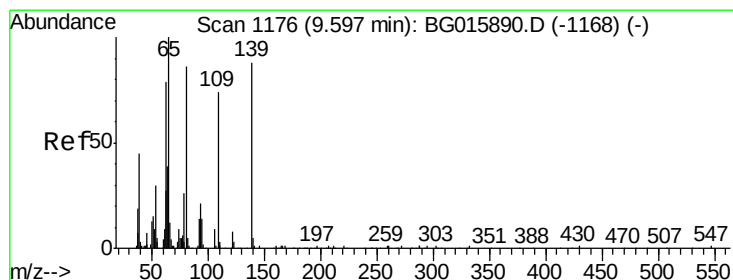
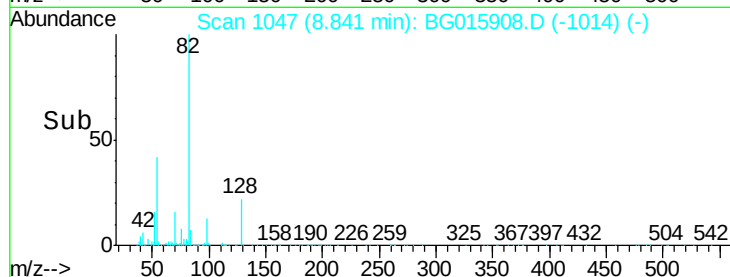
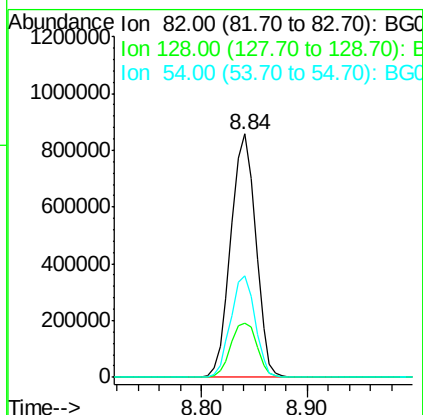
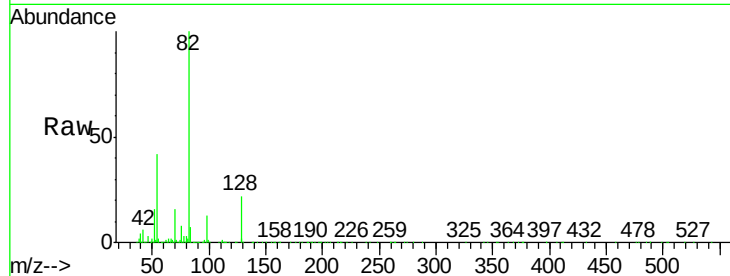




#23  
Nitrobenzene-d5  
Concen: 90.96 ng  
RT: 8.84 min Scan# 1047  
Delta R.T. -0.00 min  
Lab File: BG015908.D  
Acq: 21 Jan 2015 18:42

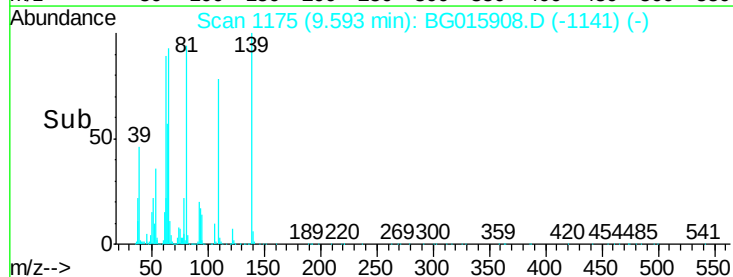
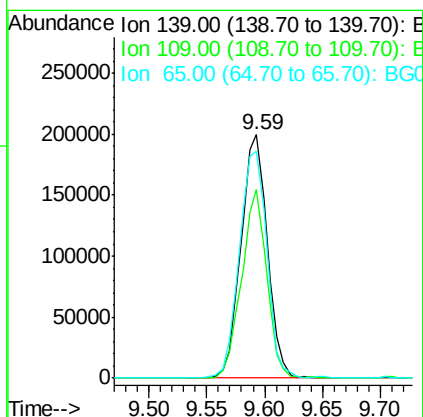
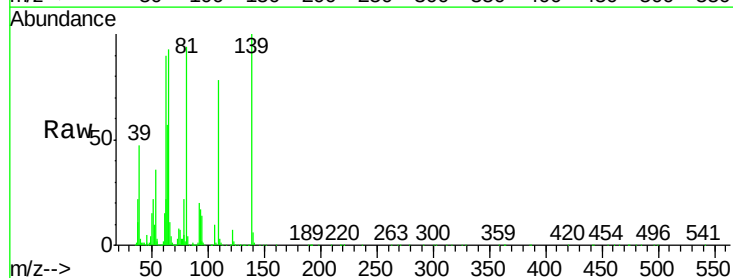
Instrument :  
BNA\_G  
ClientSampled :  
8024

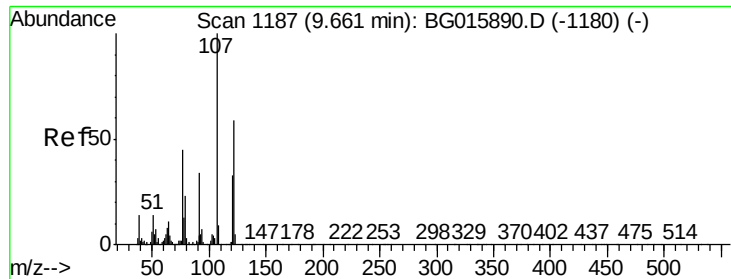
Tgt Ion: 82 Resp: 1400676  
Ion Ratio Lower Upper  
82 100  
128 22.2 19.8 29.8  
54 41.7 33.0 49.4



#26  
2-Nitrophenol  
Concen: 78.60 ng  
RT: 9.59 min Scan# 1175  
Delta R.T. 0.00 min  
Lab File: BG015908.D  
Acq: 21 Jan 2015 18:42

Tgt Ion: 139 Resp: 315296  
Ion Ratio Lower Upper  
139 100  
109 77.6 67.2 100.8  
65 93.1 91.3 136.9

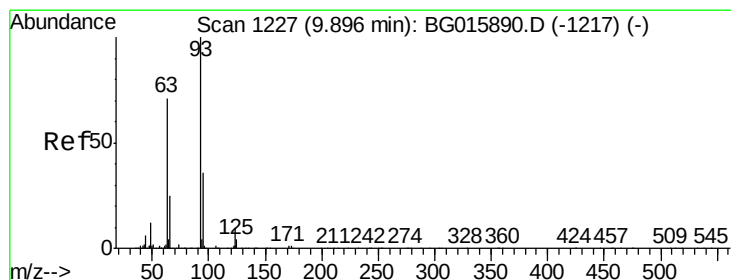
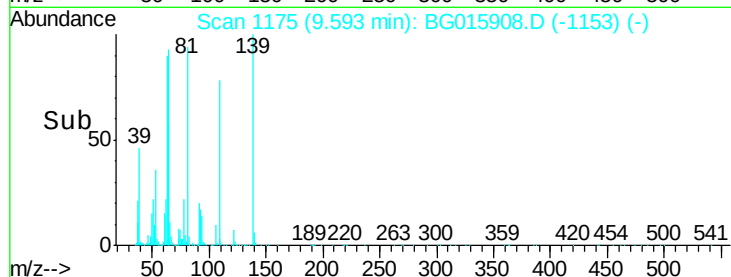
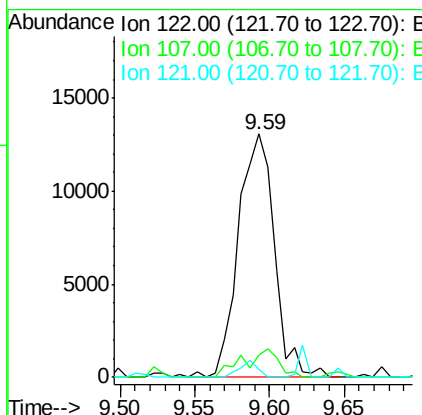
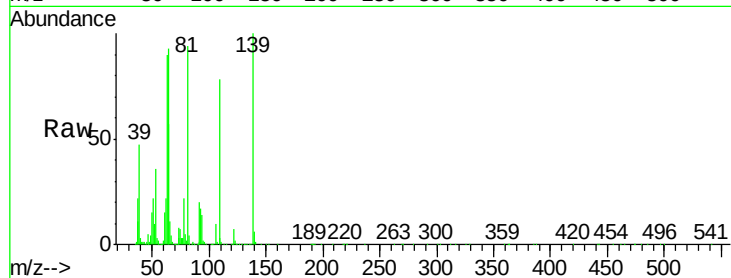




#27  
2,4-Dimethylphenol  
Concen: 2.85 ng  
RT: 9.59 min Scan# 1175  
Delta R.T. -0.07 min  
Lab File: BG015908.D  
Acq: 21 Jan 2015 18:42

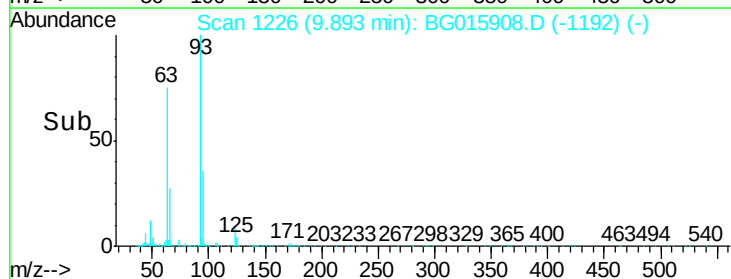
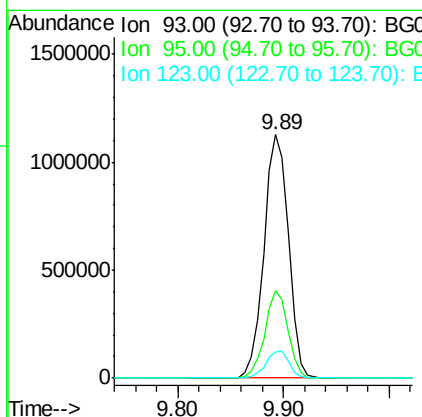
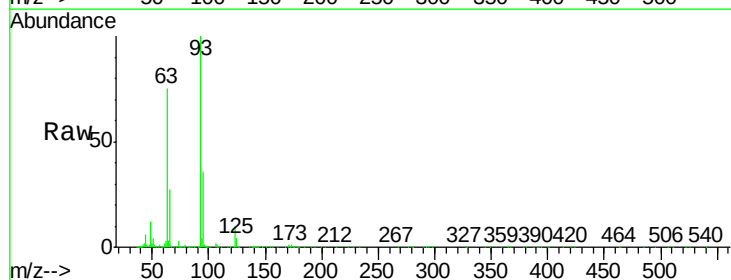
Instrument :  
BNA\_G  
ClientSampleId :  
8024

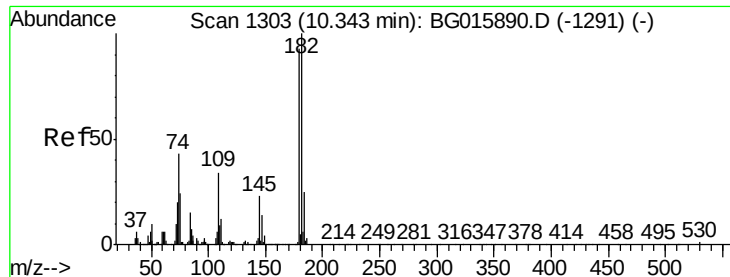
| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 122     | 100   |       |        |
| 107     | 8.9   | 136.8 | 205.2# |
| 121     | 3.4   | 44.9  | 67.3#  |



#28  
bis(2-Chloroethoxy)methane  
Concen: 137.44 ng  
RT: 9.89 min Scan# 1226  
Delta R.T. 0.00 min  
Lab File: BG015908.D  
Acq: 21 Jan 2015 18:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 35.7  | 28.6  | 42.8  |
| 123     | 10.5  | 7.9   | 11.9  |

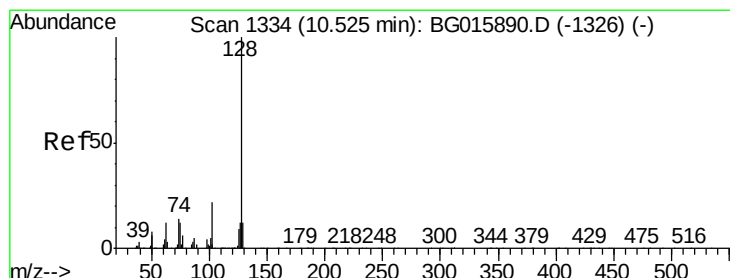
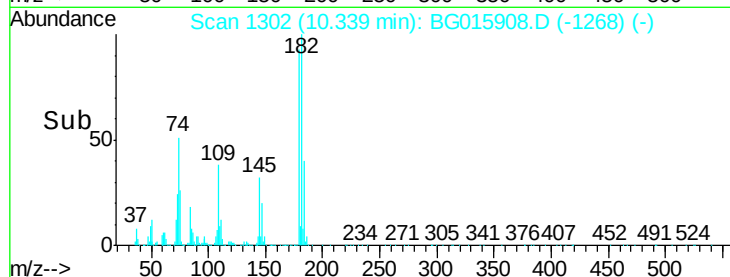
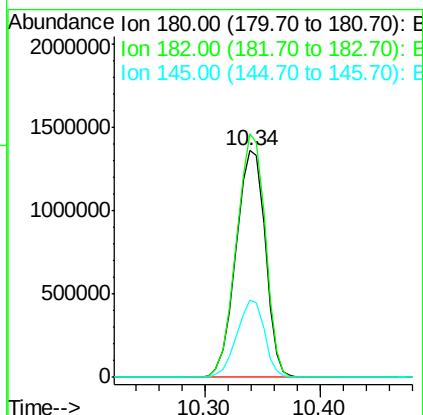
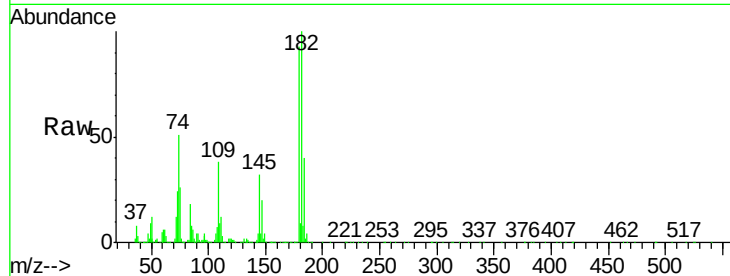




#30  
1,2,4-Trichlorobenzene  
Concen: 246.30 ng  
RT: 10.34 min Scan# 1302  
Delta R.T. 0.00 min  
Lab File: BG015908.D  
Acq: 21 Jan 2015 18:42

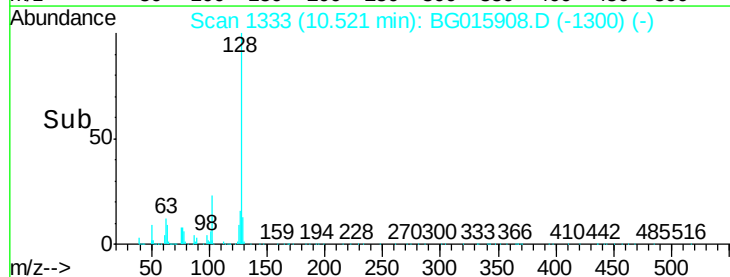
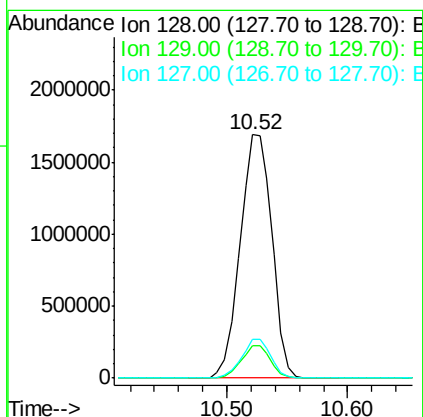
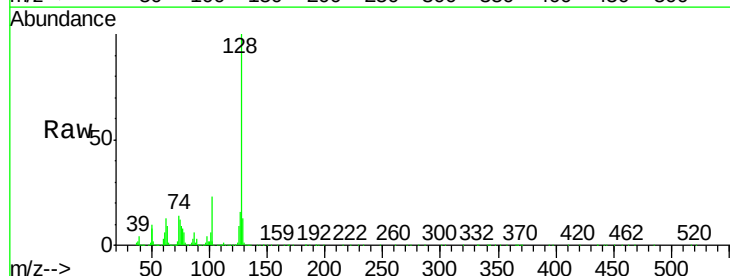
Instrument :  
BNA\_G  
ClientSampleId :  
8024

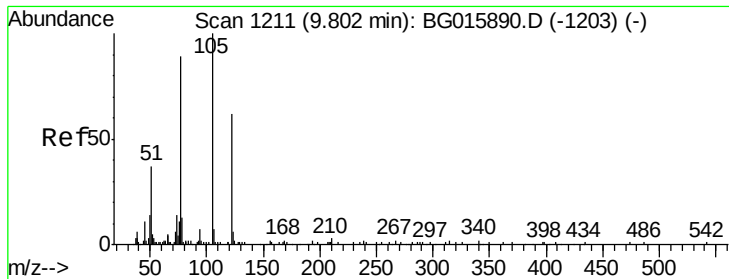
Tgt Ion:180 Resp: 2393866  
Ion Ratio Lower Upper  
180 100  
182 107.5 86.4 129.6  
145 34.3 20.1 30.1#



#31  
Naphthalene  
Concen: 136.00 ng  
RT: 10.52 min Scan# 1333  
Delta R.T. -0.00 min  
Lab File: BG015908.D  
Acq: 21 Jan 2015 18:42

Tgt Ion:128 Resp: 3089729  
Ion Ratio Lower Upper  
128 100  
129 13.3 9.7 14.5  
127 16.1 9.8 14.6#





#32

Benzoic acid

Concen: 10.44 ng

RT: 9.85 min Scan# 1218

Delta R.T. 0.05 min

Lab File: BG015908.D

Acq: 21 Jan 2015 18:42

Instrument :

BNA\_G

ClientSampleId :

8024

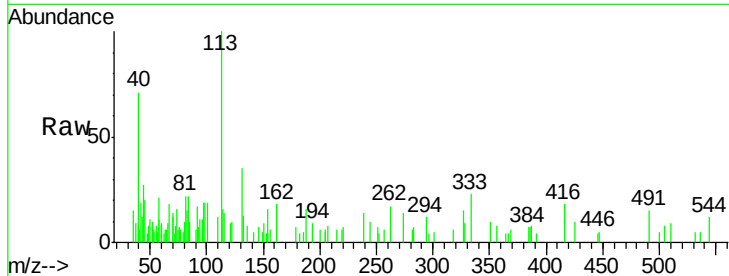
Tgt Ion:122 Resp: 360

Ion Ratio Lower Upper

122 100

105 0.0 140.2 180.2#

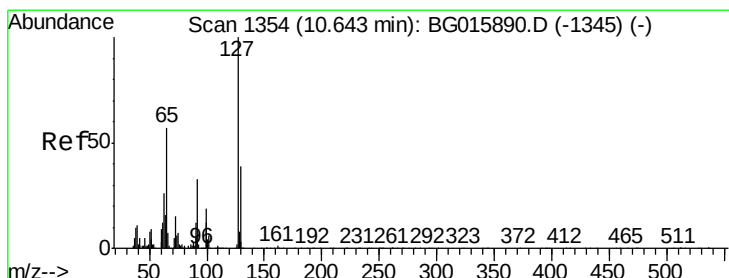
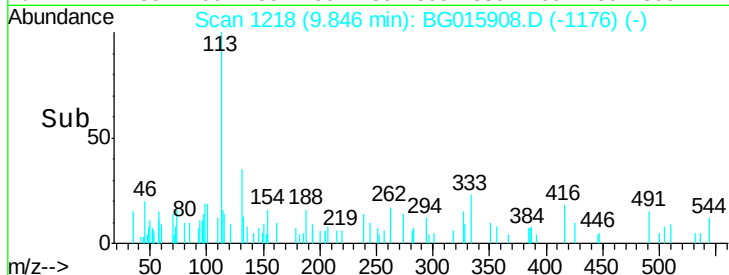
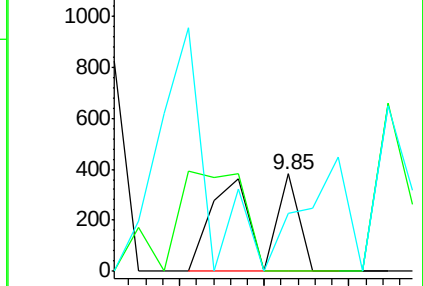
77 59.4 126.4 166.4#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



#33

4-Chloroaniline

Concen: 42.98 ng

RT: 10.52 min Scan# 1333

Delta R.T. -0.12 min

Lab File: BG015908.D

Acq: 21 Jan 2015 18:42

Tgt Ion:127 Resp: 455128

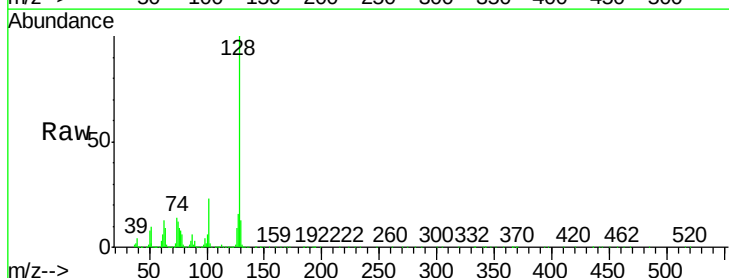
Ion Ratio Lower Upper

127 100

129 83.0 30.8 46.2#

65 3.3 45.4 68.2#

92 0.2 26.6 39.8#

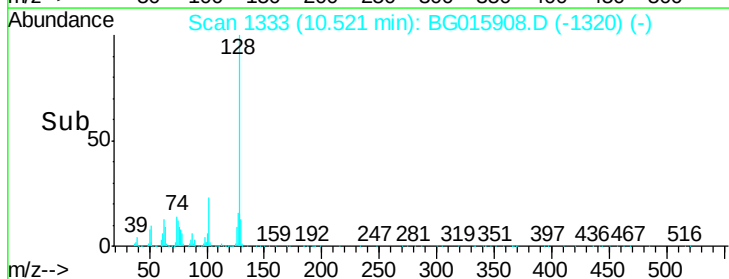
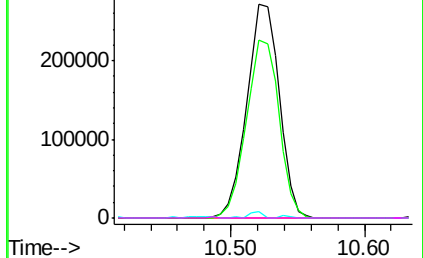


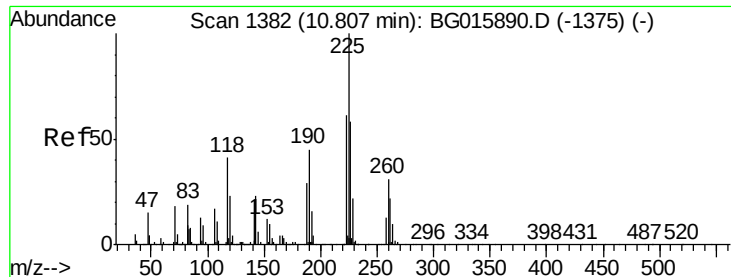
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC

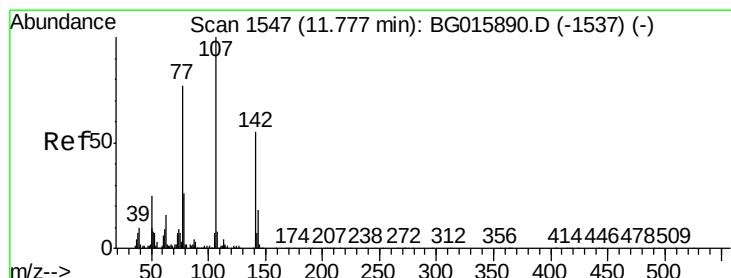
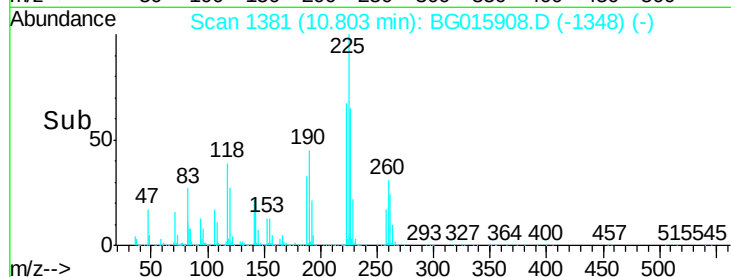
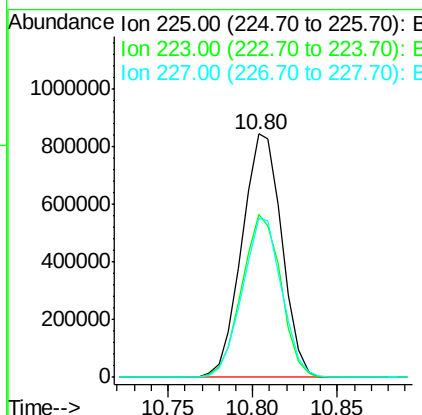
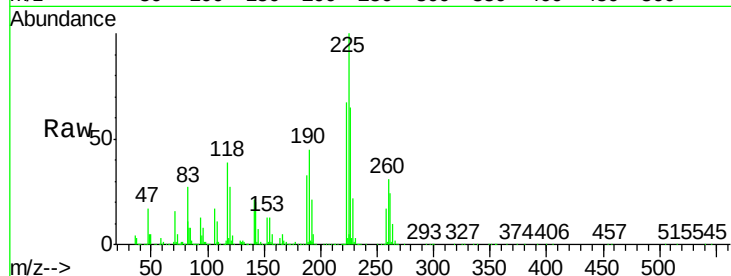




#34  
Hexachlorobutadiene  
Concen: 144.90 ng  
RT: 10.80 min Scan# 1381  
Delta R.T. -0.00 min  
Lab File: BG015908.D  
Acq: 21 Jan 2015 18:42

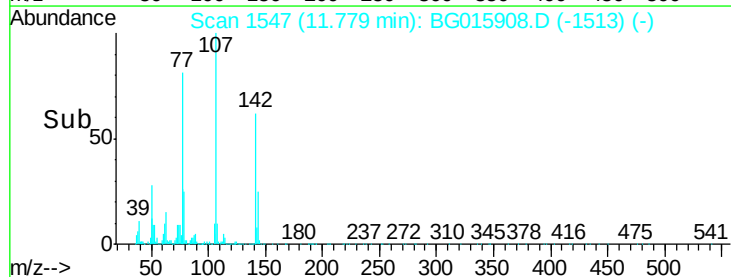
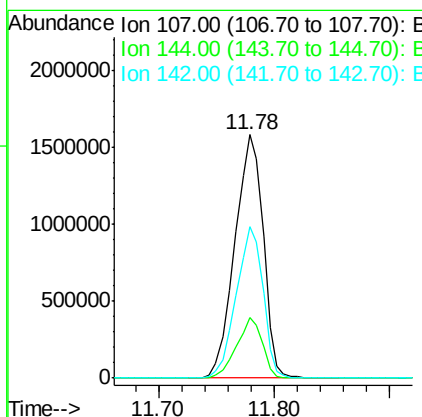
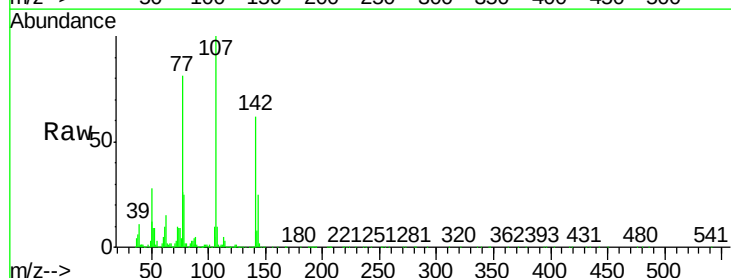
Instrument :  
BNA\_G  
ClientSampleId :  
8024

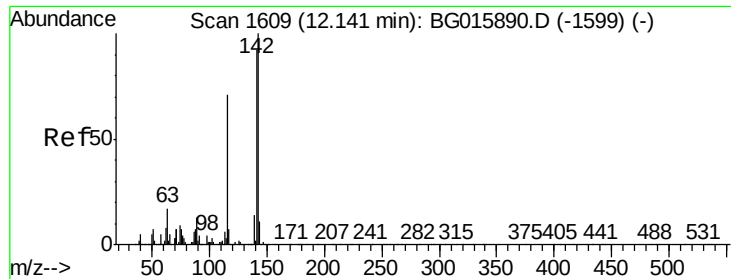
Tgt Ion:225 Resp: 1377555  
Ion Ratio Lower Upper  
225 100  
223 67.3 49.9 74.9  
227 65.5 45.3 67.9



#36  
4-Chloro-3-methylphenol  
Concen: 228.09 ng  
RT: 11.78 min Scan# 1547  
Delta R.T. 0.00 min  
Lab File: BG015908.D  
Acq: 21 Jan 2015 18:42

Tgt Ion:107 Resp: 2688959  
Ion Ratio Lower Upper  
107 100  
144 24.7 14.6 22.0#  
142 62.3 43.8 65.6

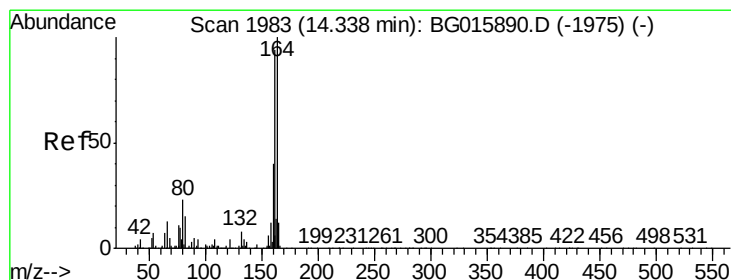
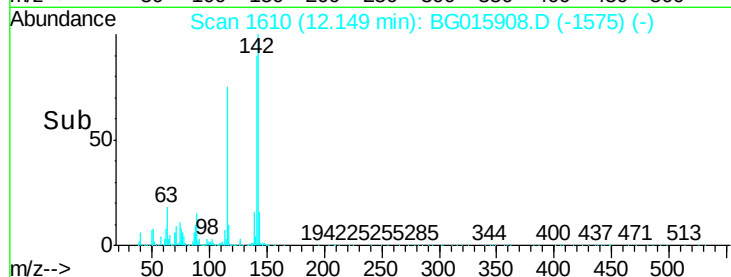
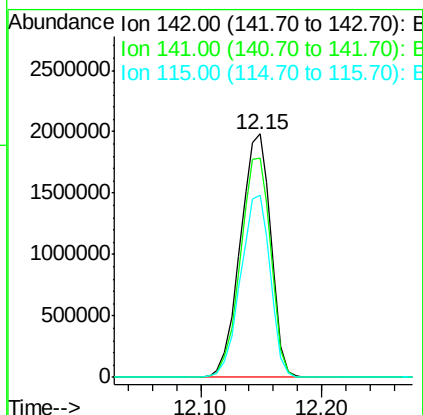
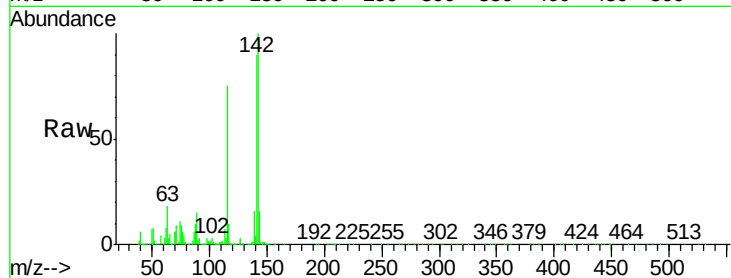




#37  
2-Methylnaphthalene  
Concen: 192.90 ng  
RT: 12.15 min Scan# 1610  
Delta R.T. 0.01 min  
Lab File: BG015908.D  
Acq: 21 Jan 2015 18:42

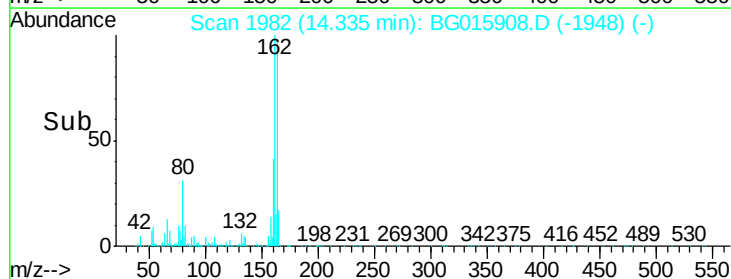
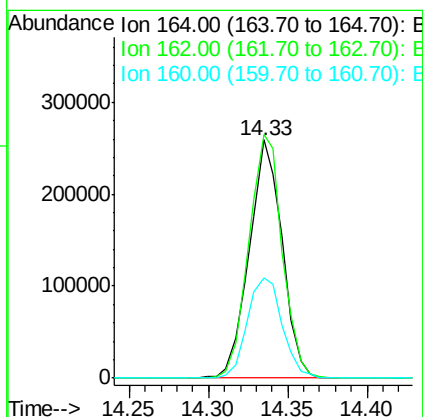
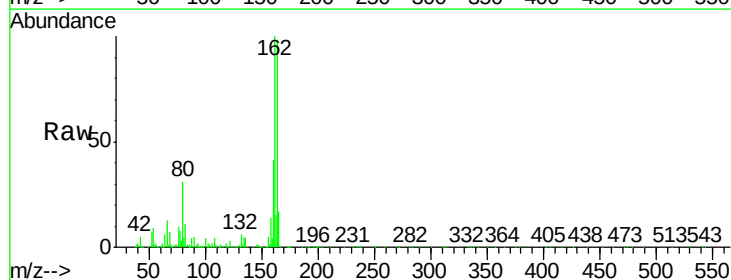
Instrument :  
BNA\_G  
ClientSampleId :  
8024

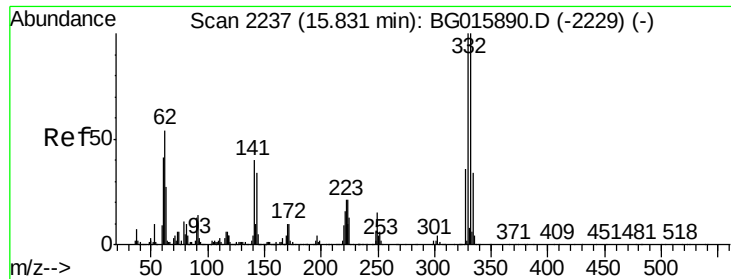
Tgt Ion:142 Resp: 3480540  
Ion Ratio Lower Upper  
142 100  
141 90.2 73.8 110.8  
115 74.8 56.6 84.8



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.33 min Scan# 1982  
Delta R.T. 0.00 min  
Lab File: BG015908.D  
Acq: 21 Jan 2015 18:42

Tgt Ion:164 Resp: 374096  
Ion Ratio Lower Upper  
164 100  
162 102.2 75.1 112.7  
160 42.1 32.3 48.5

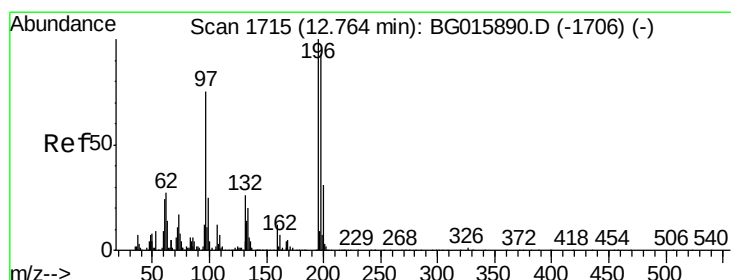
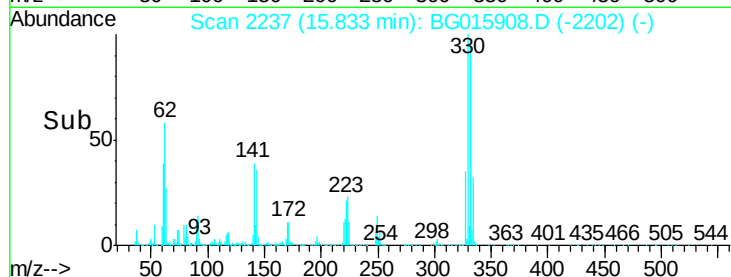
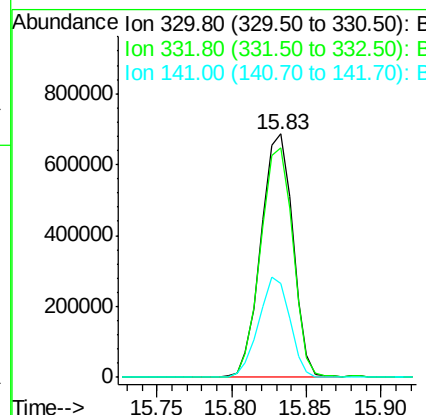
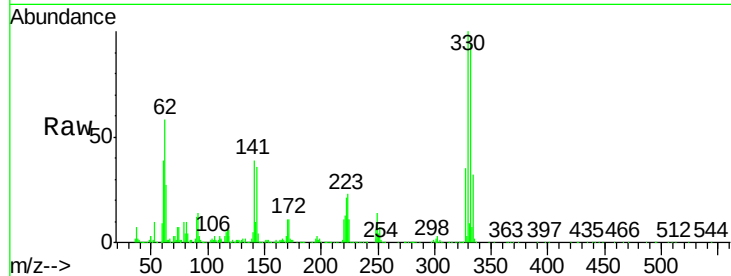




#41  
 2,4,6-Tribromophenol  
 Concen: 147.77 ng  
 RT: 15.83 min Scan# 2237  
 Delta R.T. 0.01 min  
 Lab File: BG015908.D  
 Acq: 21 Jan 2015 18:42

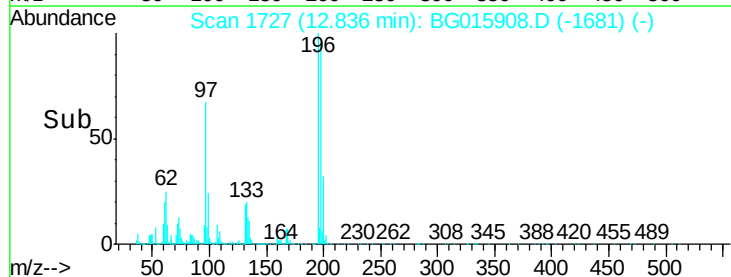
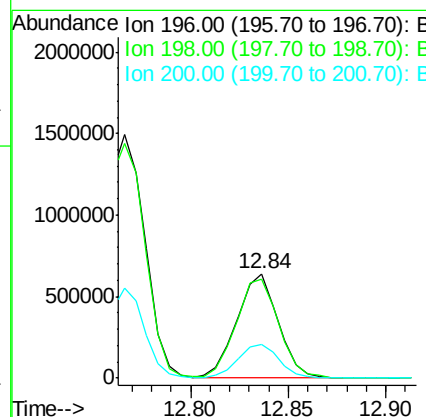
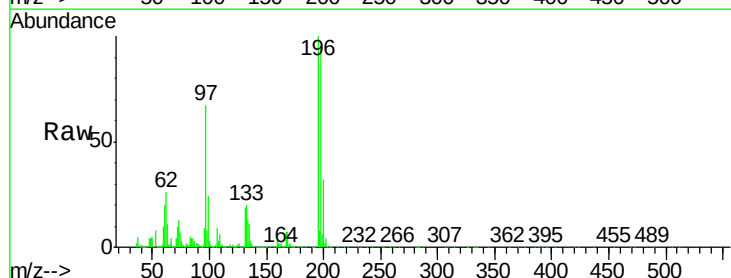
Instrument :  
 BNA\_G  
 ClientSampleId :  
 8024

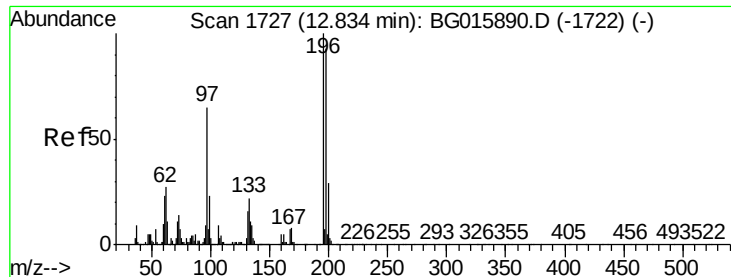
Tgt Ion:330 Resp: 1011995  
 Ion Ratio Lower Upper  
 330 100  
 332 95.6 75.4 113.0  
 141 40.1 33.0 49.6



#42  
 2,4,6-Trichlorophenol  
 Concen: 110.56 ng  
 RT: 12.84 min Scan# 1727  
 Delta R.T. 0.07 min  
 Lab File: BG015908.D  
 Acq: 21 Jan 2015 18:42

Tgt Ion:196 Resp: 923929  
 Ion Ratio Lower Upper  
 196 100  
 198 95.1 74.1 111.1  
 200 31.9 24.6 37.0

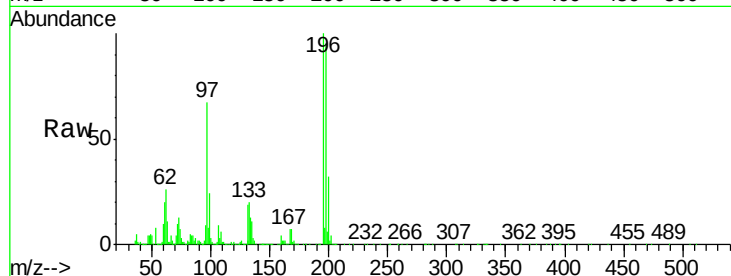




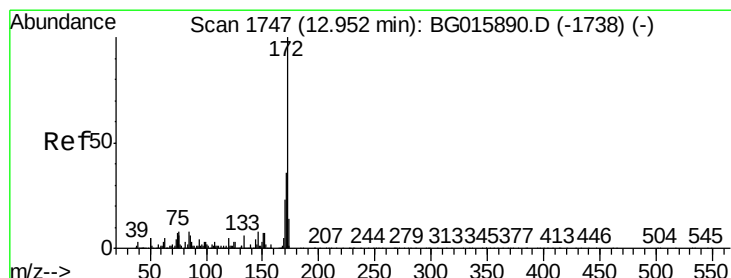
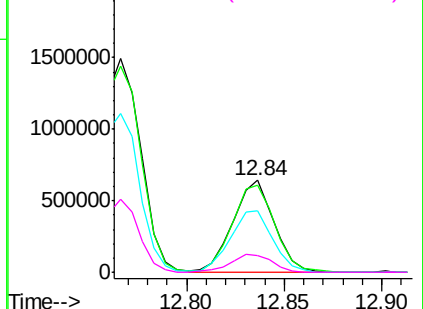
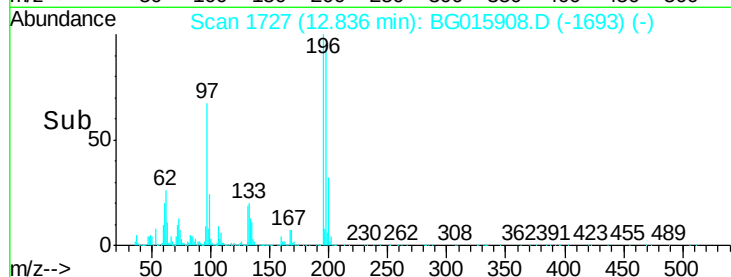
#43  
2,4,5-Trichlorophenol  
Concen: 97.80 ng  
RT: 12.84 min Scan# 1727  
Delta R.T. 0.00 min  
Lab File: BG015908.D  
Acq: 21 Jan 2015 18:42

Instrument :  
BNA\_G  
ClientSampleId :  
8024

Tgt Ion:196 Resp: 923929  
Ion Ratio Lower Upper  
196 100  
198 95.1 74.7 112.1  
97 67.0 52.5 78.7  
132 18.7 12.8 19.2

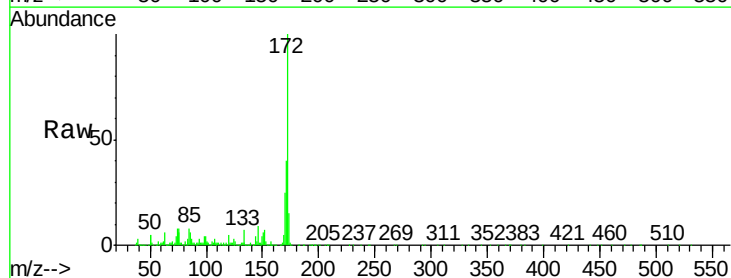


Abundance Ion 196.00 (195.70 to 196.70): E  
Ion 198.00 (197.70 to 198.70): E  
Ion 97.00 (96.70 to 97.70): BGC  
Ion 132.00 (131.70 to 132.70): E

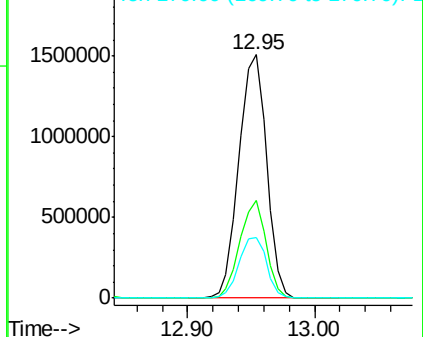
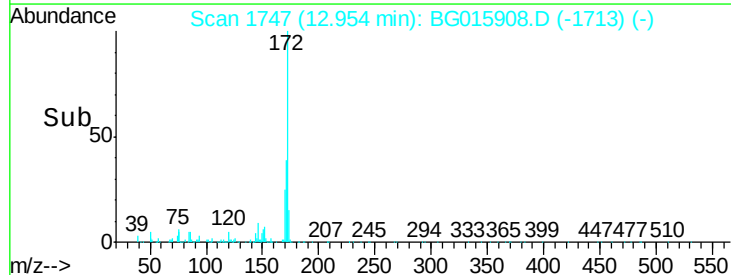


#44  
2-Fluorobiphenyl  
Concen: 95.80 ng  
RT: 12.95 min Scan# 1747  
Delta R.T. 0.00 min  
Lab File: BG015908.D  
Acq: 21 Jan 2015 18:42

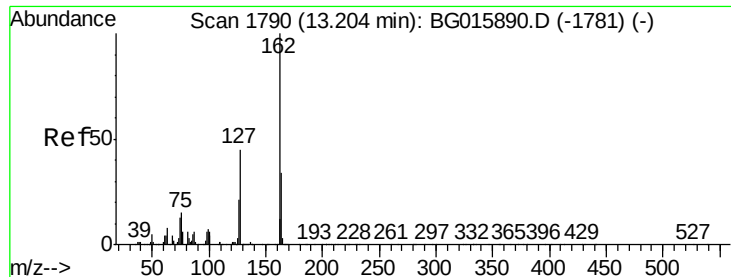
Tgt Ion:172 Resp: 2284089  
Ion Ratio Lower Upper  
172 100  
171 40.0 29.2 43.8  
170 25.1 18.6 27.8



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



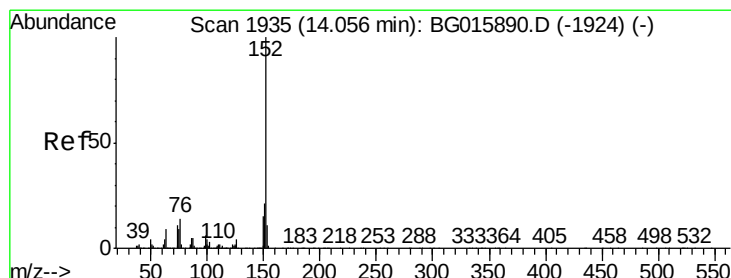
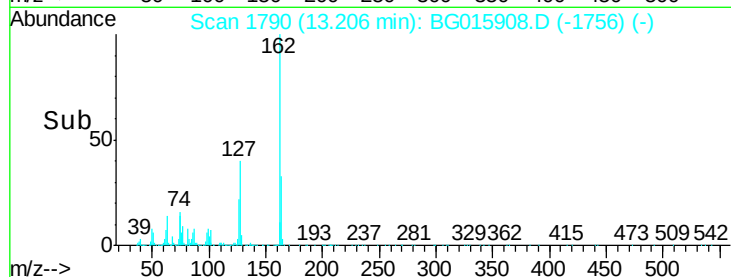
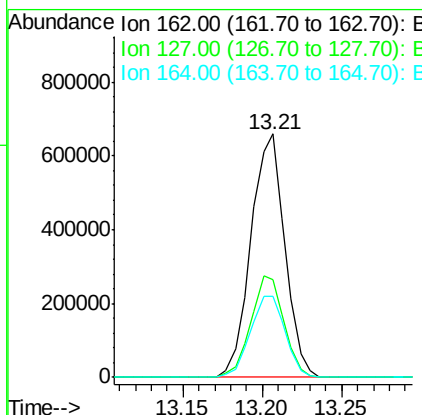
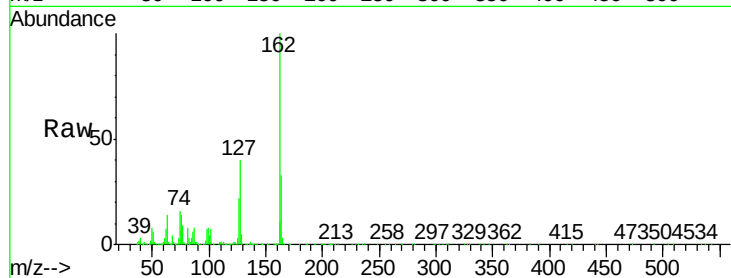




#46  
2-Chloronaphthalene  
Concen: 49.17 ng  
RT: 13.21 min Scan# 1790  
Delta R.T. 0.00 min  
Lab File: BG015908.D  
Acq: 21 Jan 2015 18:42

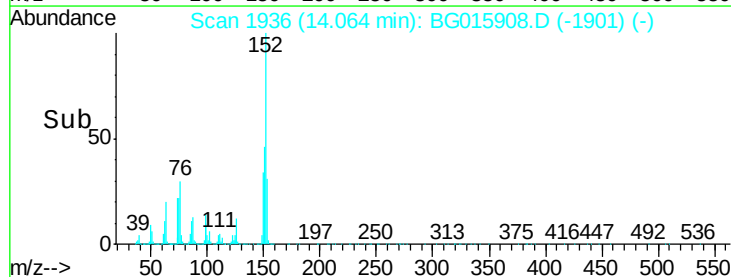
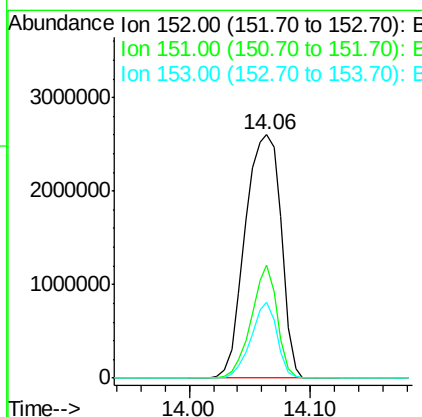
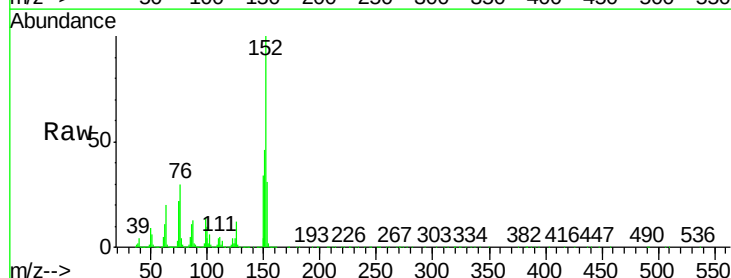
Instrument :  
BNA\_G  
ClientSampleId :  
8024

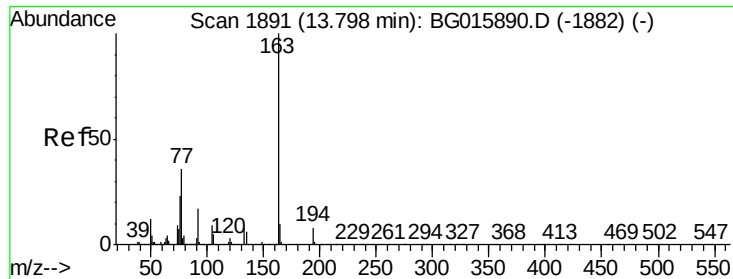
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 40.2  | 37.1  | 55.7  |
| 164     | 33.3  | 27.0  | 40.4  |



#48  
Acenaphthylene  
Concen: 177.63 ng  
RT: 14.06 min Scan# 1936  
Delta R.T. 0.01 min  
Lab File: BG015908.D  
Acq: 21 Jan 2015 18:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 46.5  | 16.6  | 24.8# |
| 153     | 31.1  | 8.9   | 13.3# |

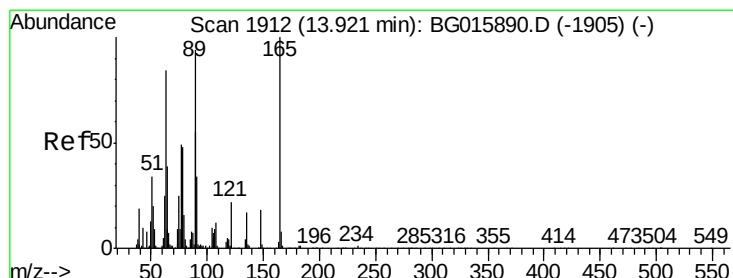
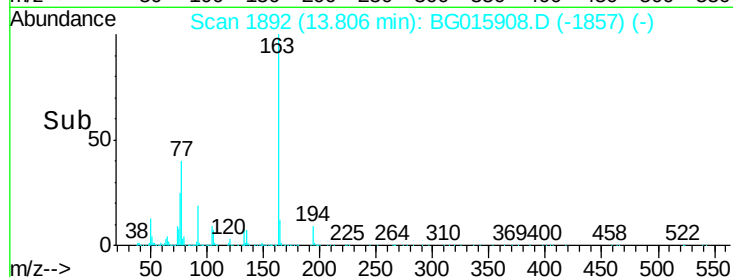
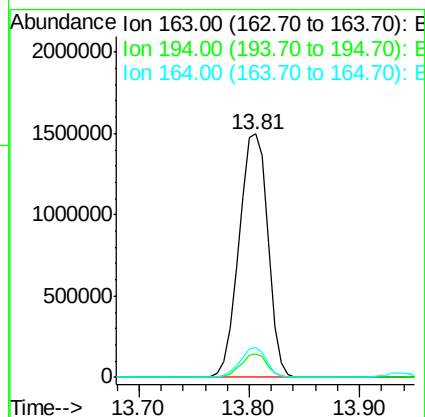
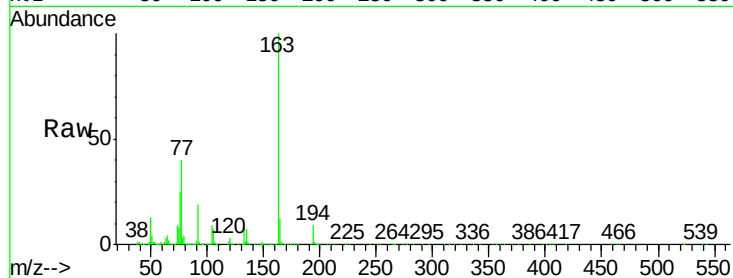




#49  
Dimethylphthalate  
Concen: 102.18 ng  
RT: 13.81 min Scan# 1892  
Delta R.T. 0.01 min  
Lab File: BG015908.D  
Acq: 21 Jan 2015 18:42

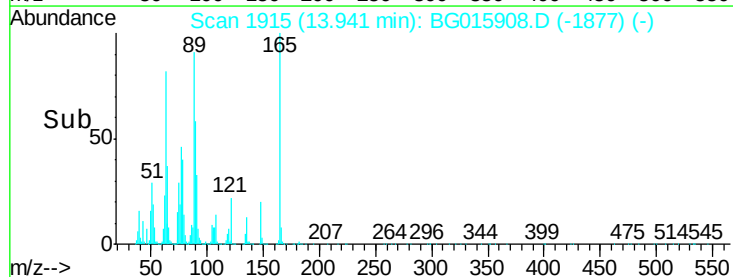
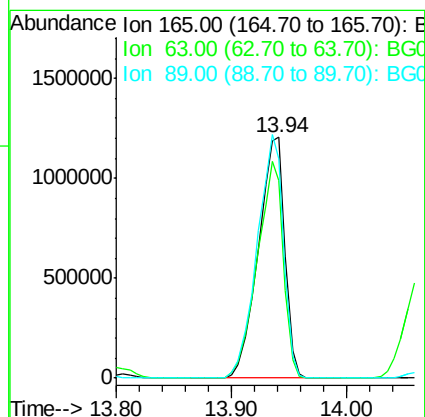
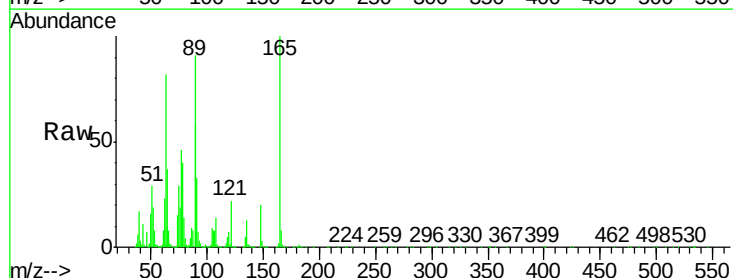
Instrument :  
BNA\_G  
ClientSampleId :  
8024

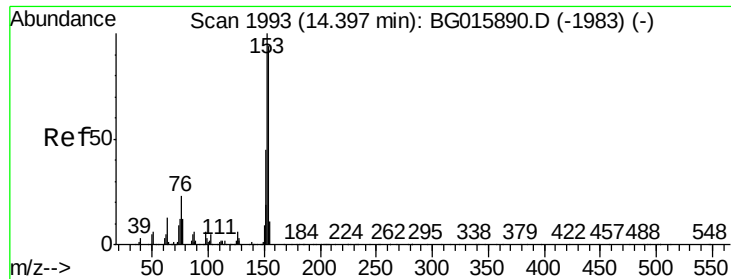
Tgt Ion:163 Resp: 2750683  
Ion Ratio Lower Upper  
163 100  
194 9.4 6.2 9.4#  
164 12.0 8.0 12.0#



#50  
2,6-Dinitrotoluene  
Concen: 316.94 ng  
RT: 13.94 min Scan# 1915  
Delta R.T. 0.03 min  
Lab File: BG015908.D  
Acq: 21 Jan 2015 18:42

Tgt Ion:165 Resp: 1926128  
Ion Ratio Lower Upper  
165 100  
63 82.1 68.3 102.5  
89 91.2 75.4 113.2





#51

Acenaphthene

Concen: 184.08 ng

RT: 14.41 min Scan# 1994

Delta R.T. 0.01 min

Lab File: BG015908.D

Acq: 21 Jan 2015 18:42

Instrument :

BNA\_G

ClientSampled :

8024

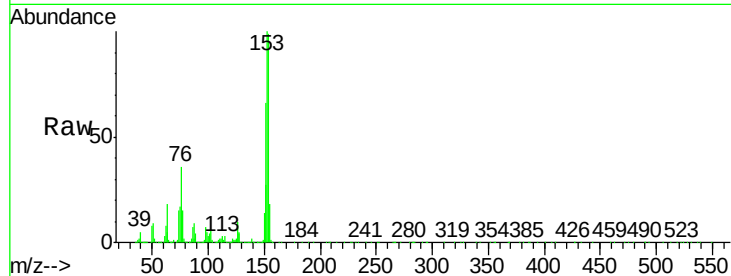
Tgt Ion:154 Resp: 3501436

Ion Ratio Lower Upper

154 100

153 100.8 85.1 127.7

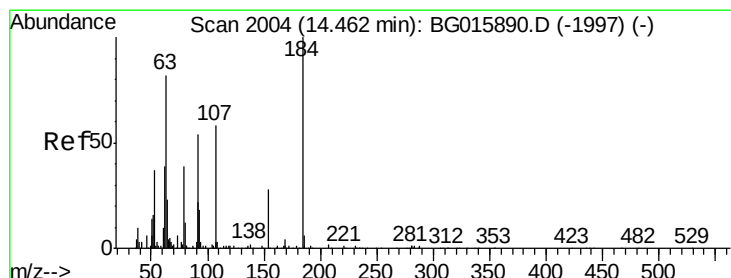
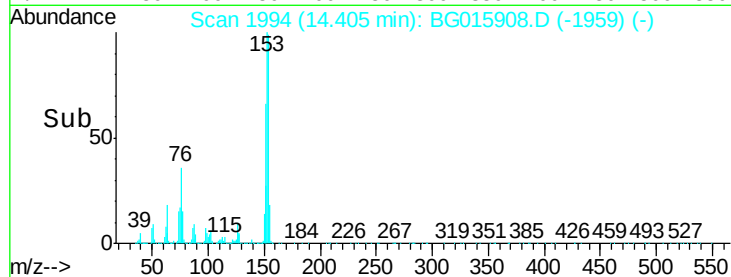
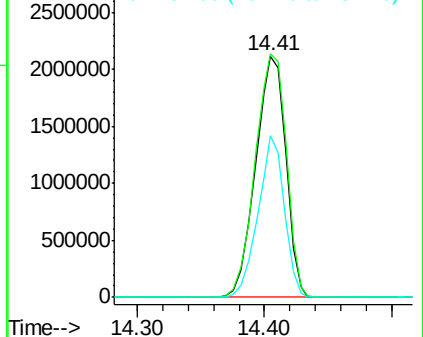
152 66.9 38.3 57.5#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#53

2,4-Dinitrophenol

Concen: 4.55 ng

RT: 14.48 min Scan# 2007

Delta R.T. 0.03 min

Lab File: BG015908.D

Acq: 21 Jan 2015 18:42

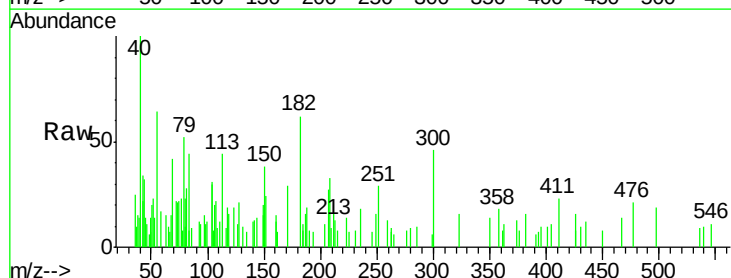
Tgt Ion:184 Resp: 159

Ion Ratio Lower Upper

184 100

63 84.0 68.6 103.0

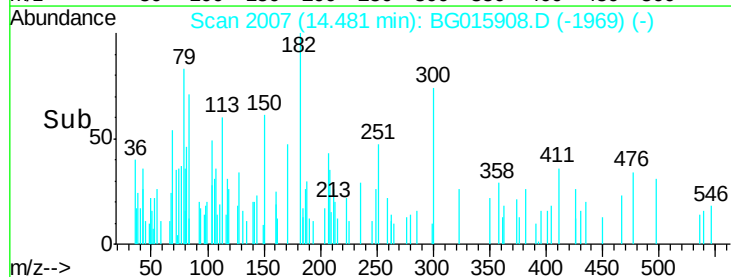
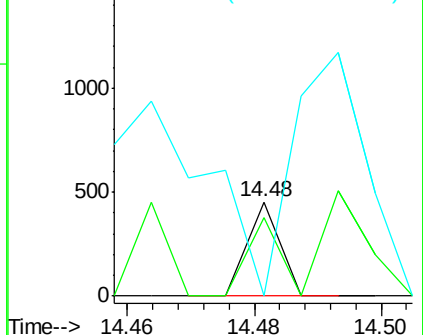
154 0.0 54.9 82.3#

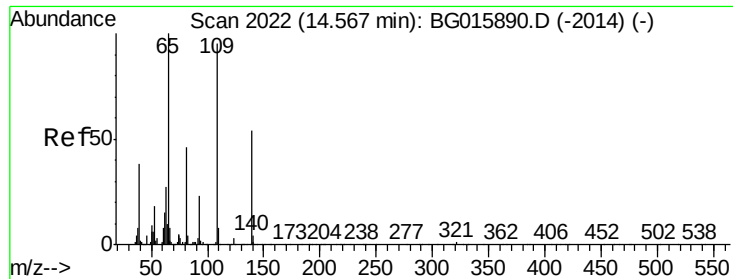


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 154.00 (153.70 to 154.70): E

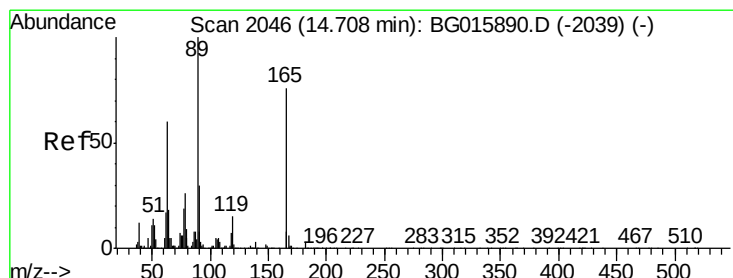
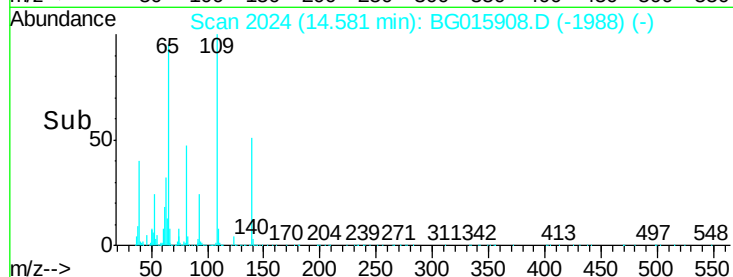
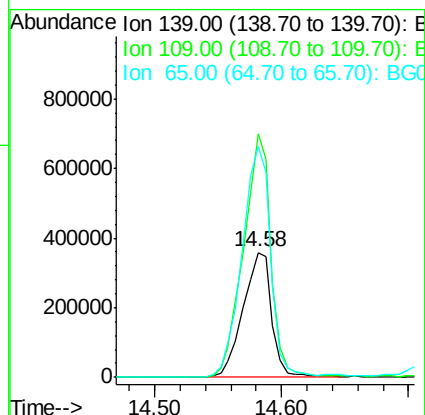
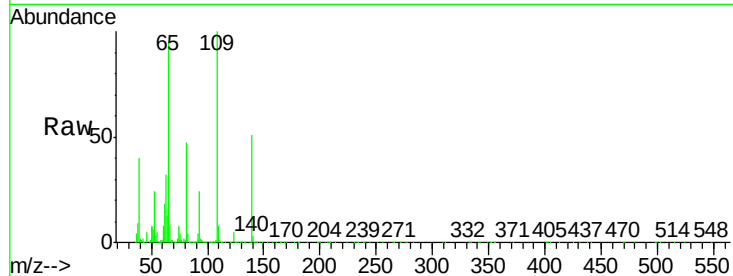




#55  
4-Nitrophenol  
Concen: 143.41 ng  
RT: 14.58 min Scan# 2024  
Delta R.T. 0.01 min  
Lab File: BG015908.D  
Acq: 21 Jan 2015 18:42

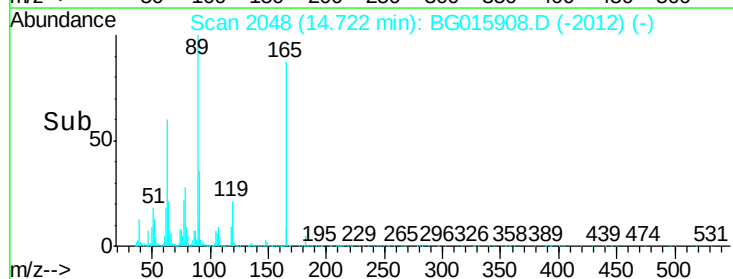
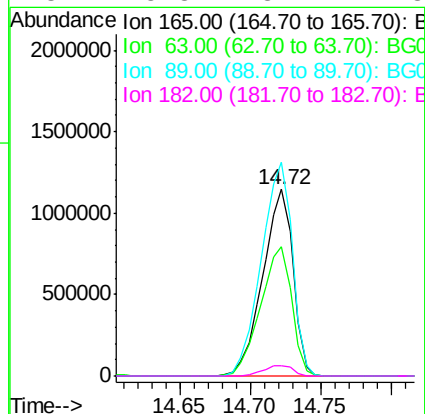
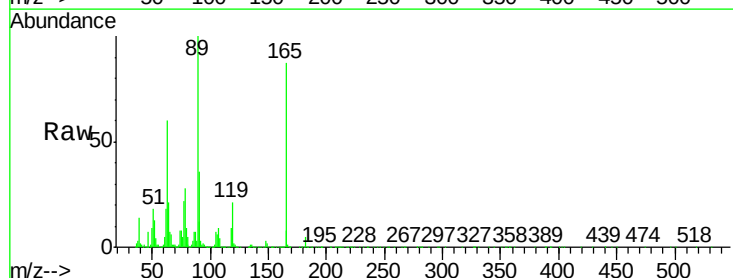
Instrument :  
BNA\_G  
ClientSampleId :  
8024

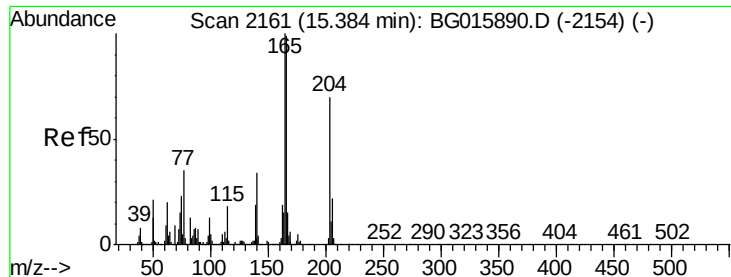
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 195.2 | 156.3 | 196.3 |
| 65      | 185.3 | 166.3 | 206.3 |



#56  
2,4-Dinitrotoluene  
Concen: 193.99 ng  
RT: 14.72 min Scan# 2048  
Delta R.T. 0.01 min  
Lab File: BG015908.D  
Acq: 21 Jan 2015 18:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 69.3  | 62.6  | 93.8  |
| 89      | 114.6 | 104.6 | 157.0 |
| 182     | 5.8   | 3.2   | 4.8#  |





#57

Fluorene

Concen: 109.30 ng

RT: 15.39 min Scan# 2162

Delta R.T. 0.01 min

Lab File: BG015908.D

Acq: 21 Jan 2015 18:42

Instrument :

BNA\_G

ClientSampleId :

8024

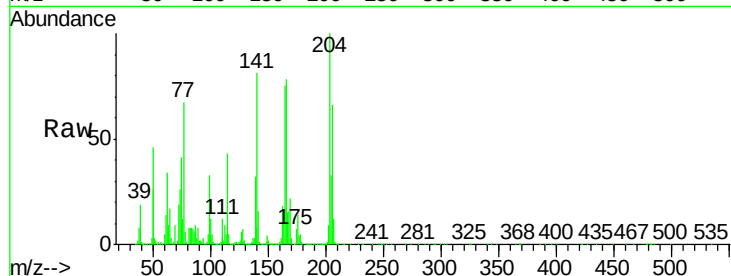
Tgt Ion:166 Resp: 3094645

Ion Ratio Lower Upper

166 100

165 95.7 80.6 120.8

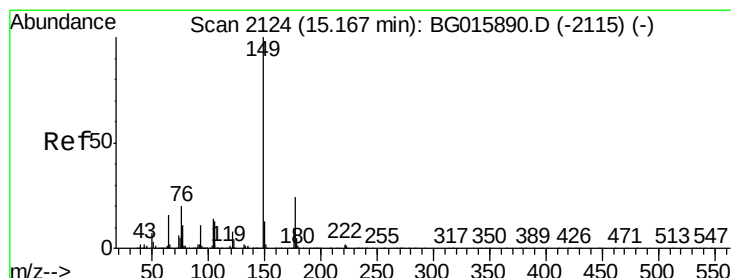
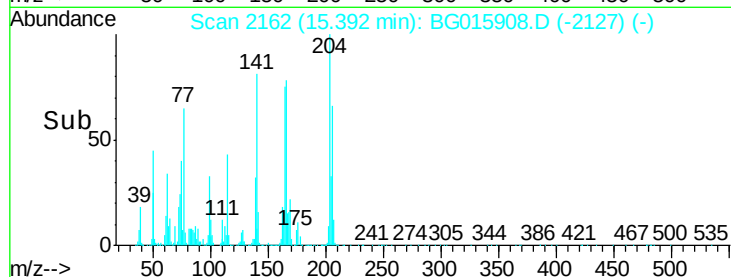
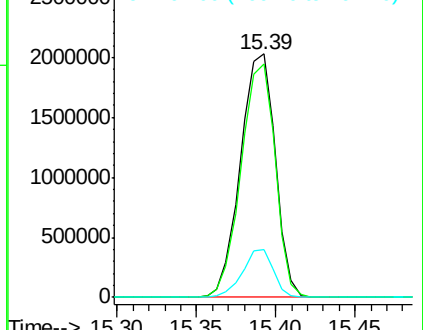
167 19.6 12.5 18.7#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#59

Diethylphthalate

Concen: 133.15 ng

RT: 15.17 min Scan# 2125

Delta R.T. 0.01 min

Lab File: BG015908.D

Acq: 21 Jan 2015 18:42

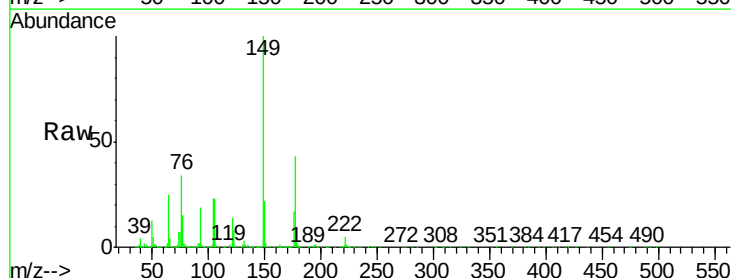
Tgt Ion:149 Resp: 3659870

Ion Ratio Lower Upper

149 100

177 42.6 19.4 29.0#

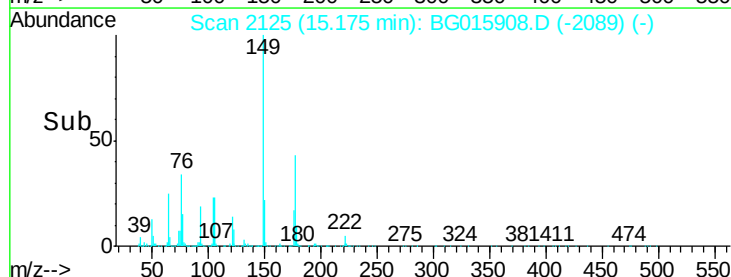
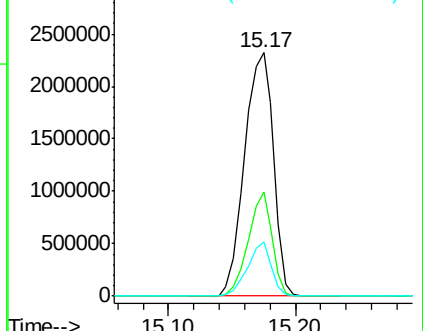
150 22.5 10.2 15.4#

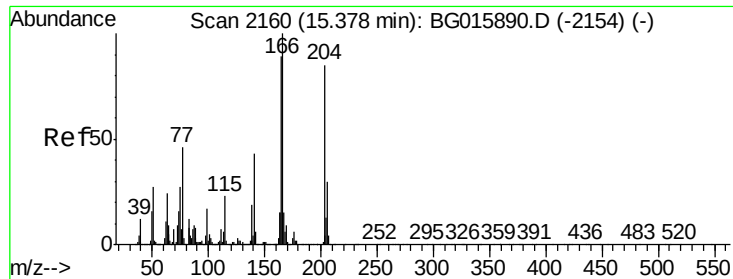


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

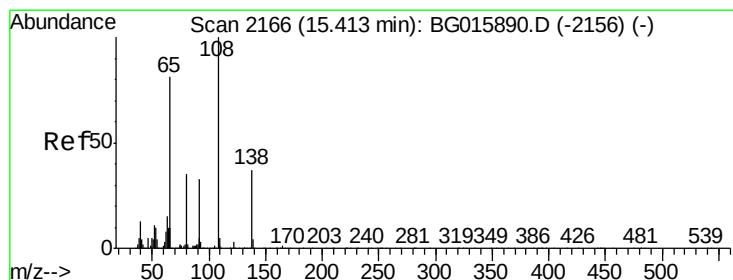
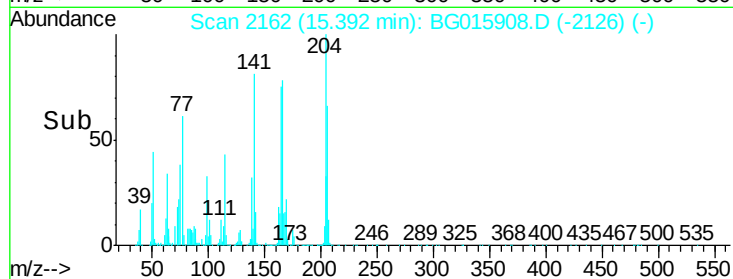
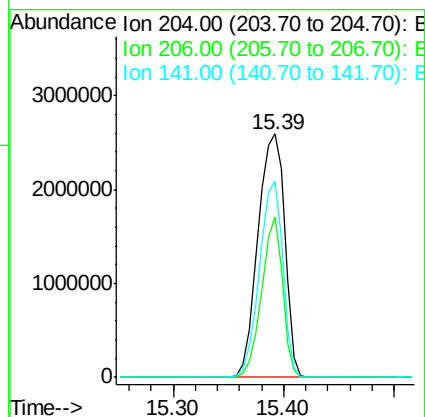
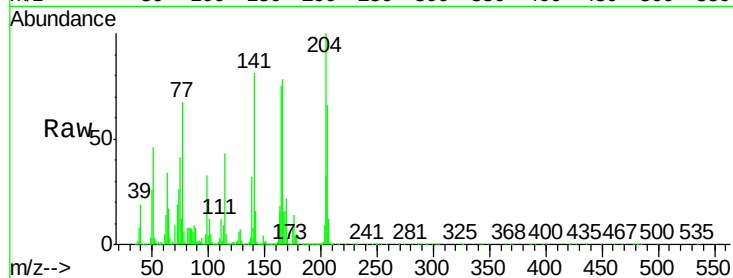




#60  
4-Chlorophenyl-phenylether  
Concen: 235.09 ng  
RT: 15.39 min Scan# 2162  
Delta R.T. 0.01 min  
Lab File: BG015908.D  
Acq: 21 Jan 2015 18:42

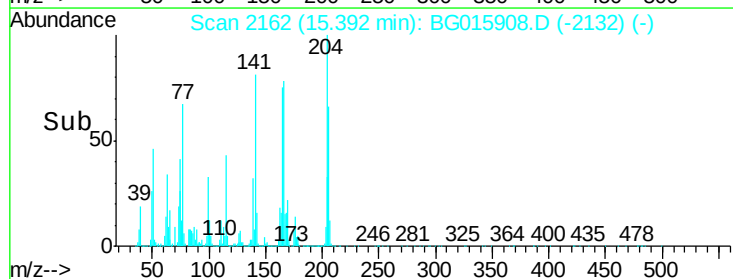
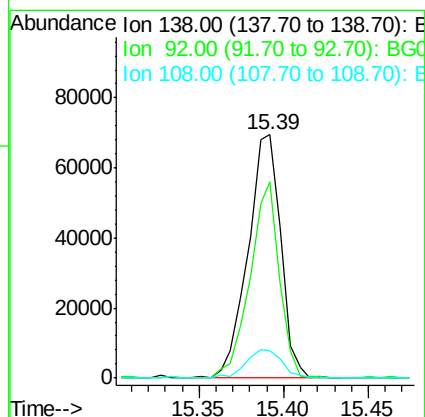
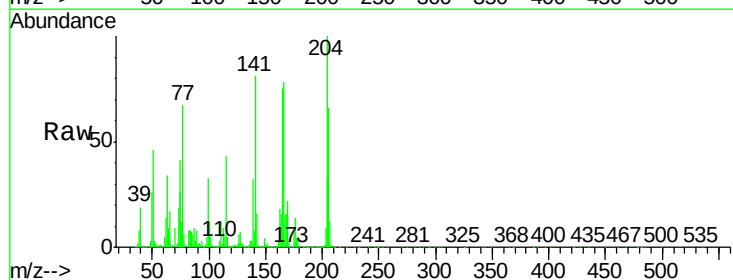
Instrument :  
BNA\_G  
ClientSampleId :  
8024

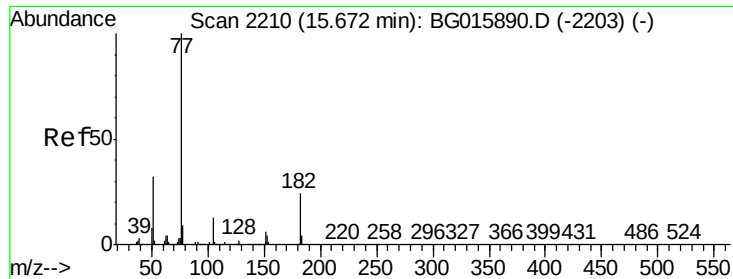
Tgt Ion:204 Resp: 4426873  
Ion Ratio Lower Upper  
204 100  
206 65.8 28.4 42.6#  
141 80.6 41.0 61.6#



#61  
4-Nitroaniline  
Concen: 15.56 ng  
RT: 15.39 min Scan# 2162  
Delta R.T. -0.02 min  
Lab File: BG015908.D  
Acq: 21 Jan 2015 18:42

Tgt Ion:138 Resp: 94354  
Ion Ratio Lower Upper  
138 100  
92 80.5 70.7 110.7  
108 11.2 251.1 291.1#





#62

Azobenzene

Concen: 5.13 ng

RT: 15.70 min Scan# 2214

Delta R.T. 0.03 min

Lab File: BG015908.D

Acq: 21 Jan 2015 18:42

Instrument :

BNA\_G

ClientSampleId :

8024

Tgt Ion: 77 Resp: 228401

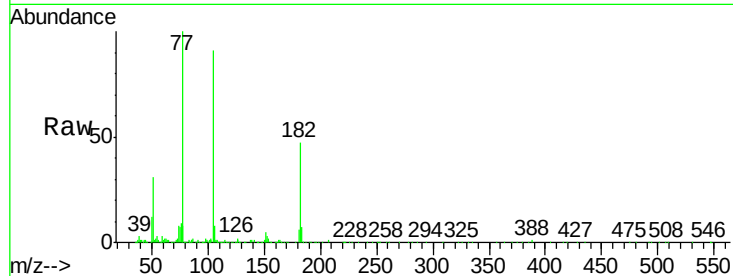
Ion Ratio Lower Upper

77 100

182 47.5 3.6 43.6#

105 90.6 0.0 32.9#

51 30.8 11.8 51.8

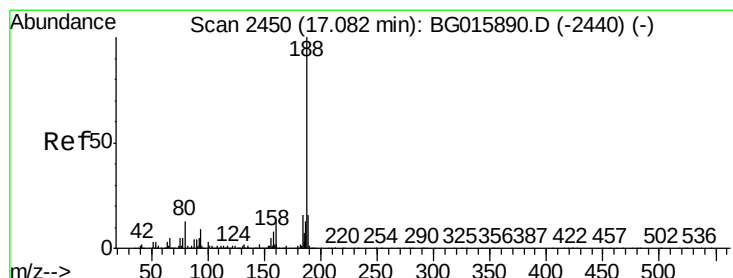
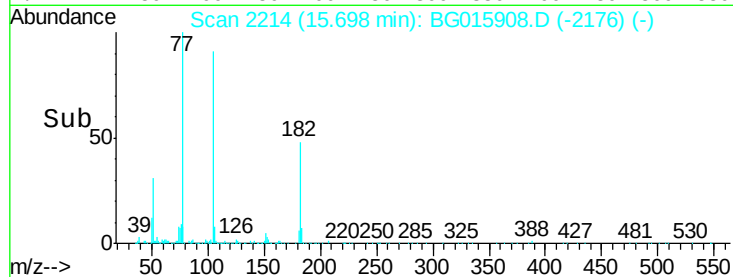
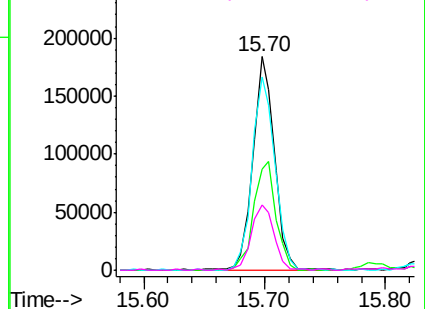


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.08 min Scan# 2450

Delta R.T. 0.00 min

Lab File: BG015908.D

Acq: 21 Jan 2015 18:42

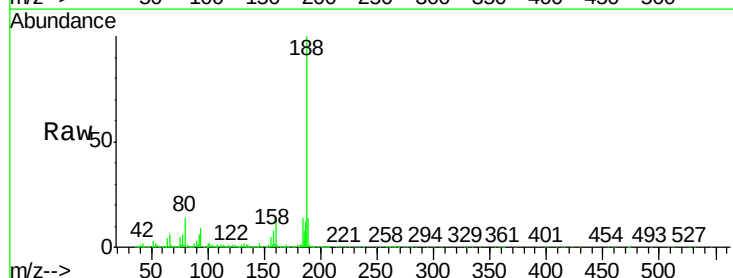
Tgt Ion: 188 Resp: 940217

Ion Ratio Lower Upper

188 100

94 9.0 7.8 11.8

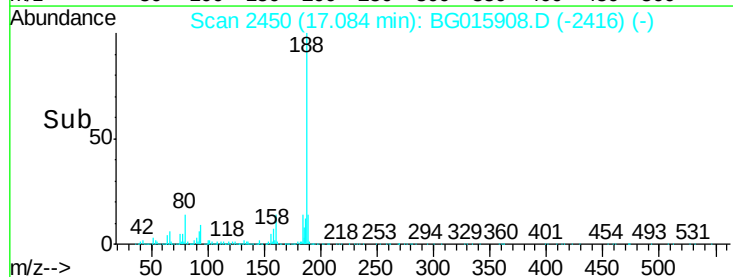
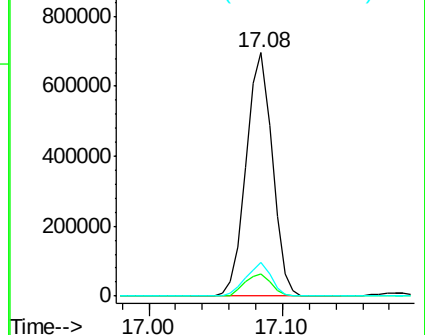
80 13.8 10.6 16.0

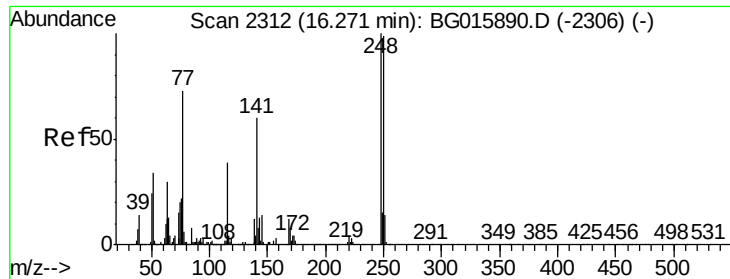


Abundance Ion 188.00 (187.70 to 188.70): BGC

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

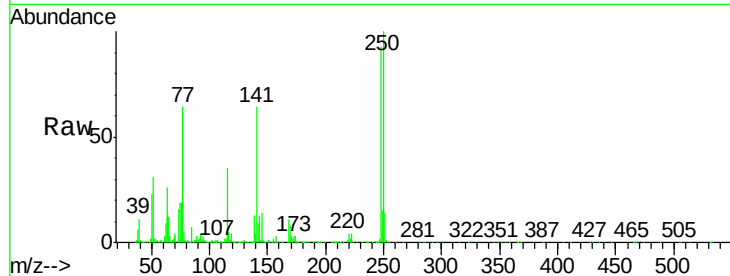




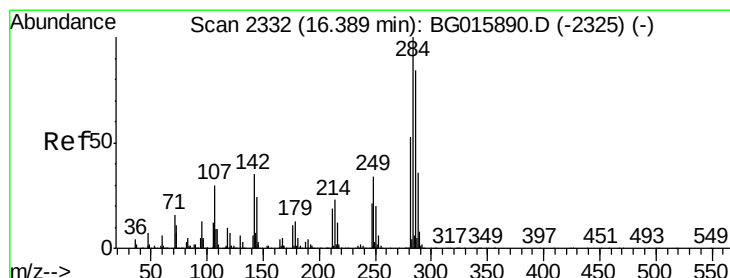
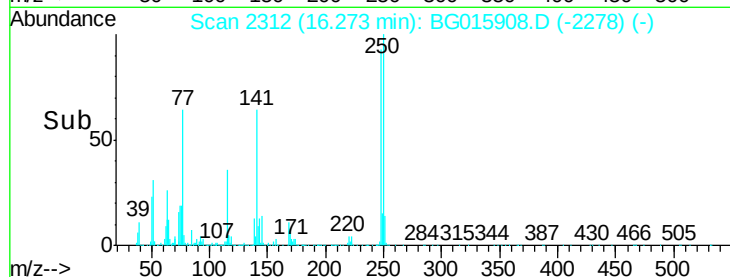
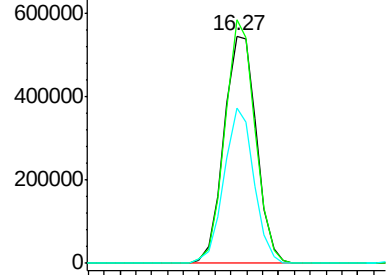
#66  
4-Bromophenyl-phenylether  
Concen: 56.39 ng  
RT: 16.27 min Scan# 2312  
Delta R.T. 0.00 min  
Lab File: BG015908.D  
Acq: 21 Jan 2015 18:42

Instrument :  
BNA\_G  
ClientSampleId :  
8024

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 107.0 | 79.3  | 118.9 |
| 141     | 68.4  | 47.8  | 71.6  |

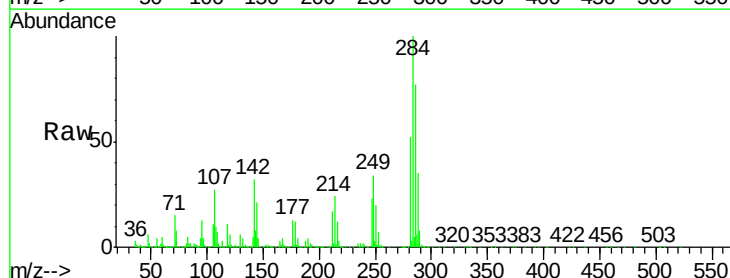


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

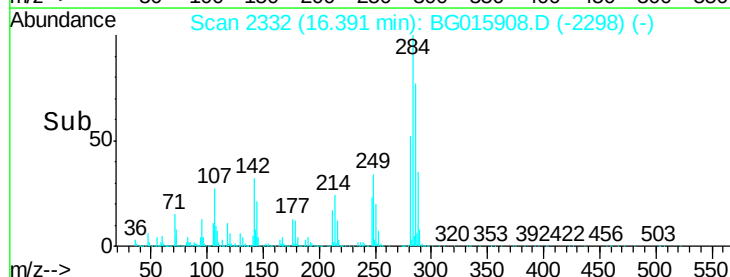
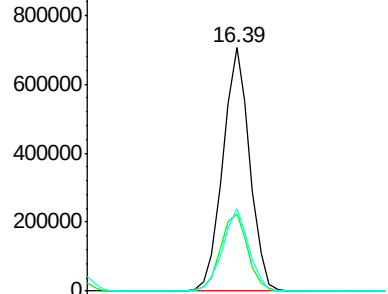


#67  
Hexachlorobenzene  
Concen: 63.23 ng  
RT: 16.39 min Scan# 2332  
Delta R.T. 0.00 min  
Lab File: BG015908.D  
Acq: 21 Jan 2015 18:42

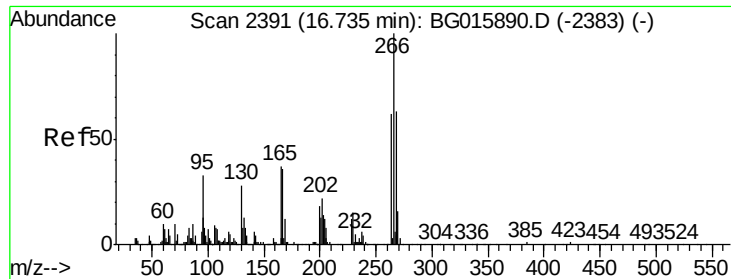
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 31.9  | 27.8  | 41.6  |
| 249     | 36.4  | 29.3  | 43.9  |



Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E







#69

Pentachlorophenol

Concen: 174.28 ng

RT: 16.74 min Scan# 2392

Delta R.T. 0.01 min

Lab File: BG015908.D

Acq: 21 Jan 2015 18:42

Instrument :

BNA\_G

ClientSampleId :

8024

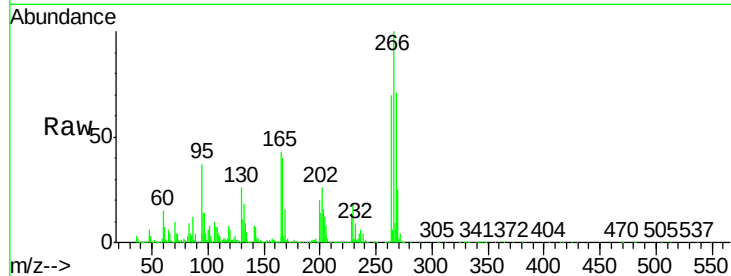
Tgt Ion:266 Resp: 2022788

Ion Ratio Lower Upper

266 100

268 76.3 53.5 80.3

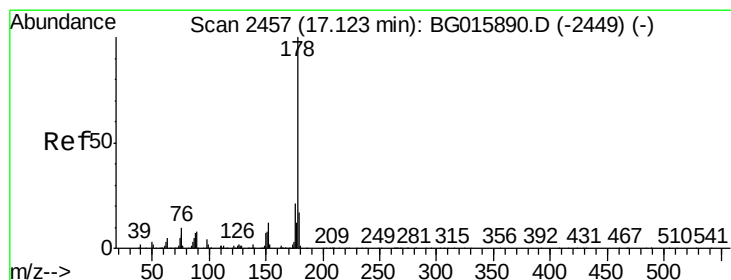
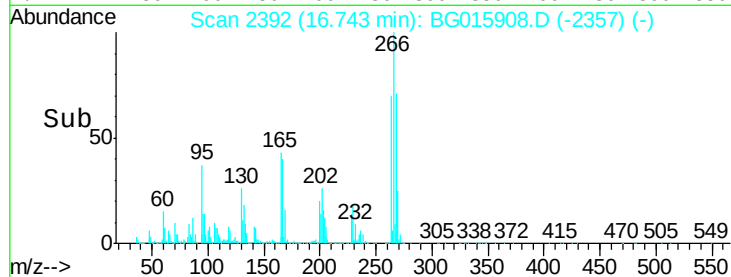
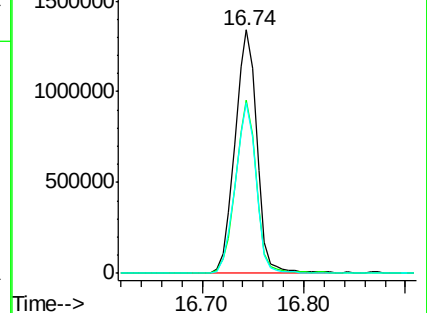
264 75.7 51.9 77.9



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: 87.53 ng

RT: 17.22 min Scan# 2473

Delta R.T. 0.10 min

Lab File: BG015908.D

Acq: 21 Jan 2015 18:42

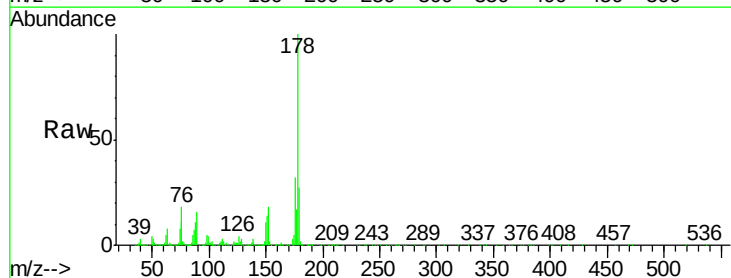
Tgt Ion:178 Resp: 4128804

Ion Ratio Lower Upper

178 100

176 31.9 16.9 25.3#

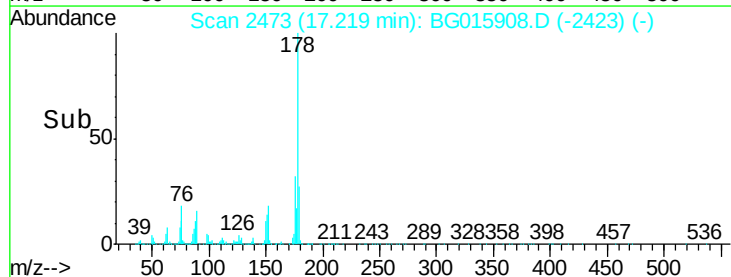
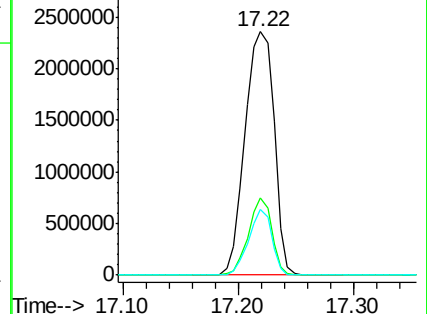
179 27.1 13.3 19.9#

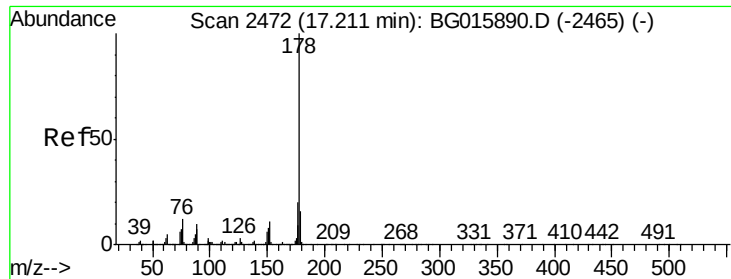


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 89.20 ng

RT: 17.22 min Scan# 2473

Delta R.T. 0.01 min

Lab File: BG015908.D

Acq: 21 Jan 2015 18:42

Instrument :

BNA\_G

ClientSampleId :

8024

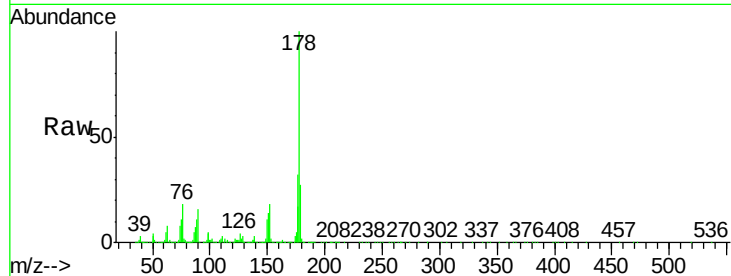
Tgt Ion:178 Resp: 4128804

Ion Ratio Lower Upper

178 100

176 31.9 15.7 23.5#

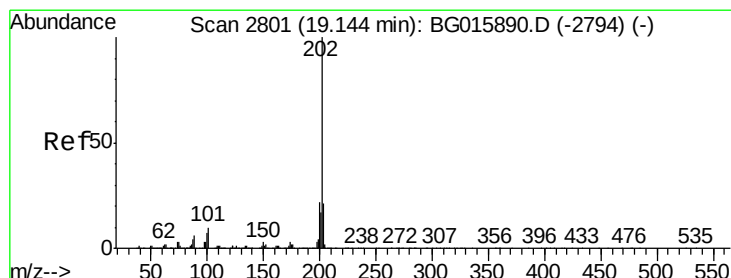
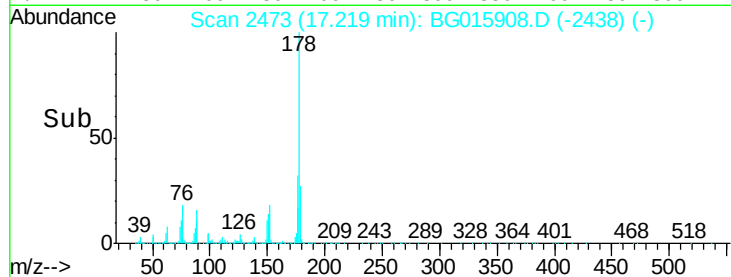
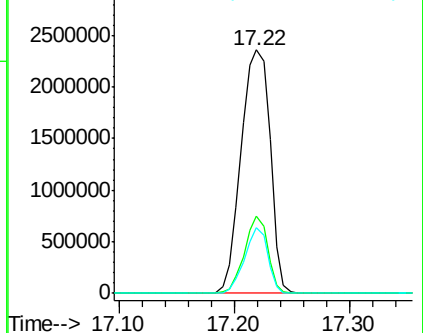
179 27.1 12.7 19.1#



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



#74

Fluoranthene

Concen: 75.90 ng

RT: 19.15 min Scan# 2802

Delta R.T. 0.01 min

Lab File: BG015908.D

Acq: 21 Jan 2015 18:42

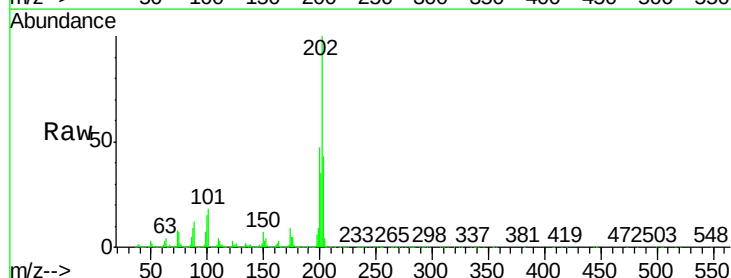
Tgt Ion:202 Resp: 4781433

Ion Ratio Lower Upper

202 100

101 18.3 0.0 29.5

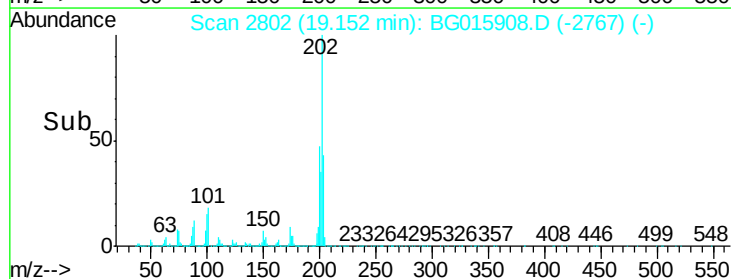
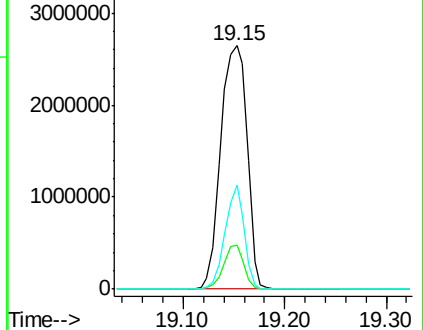
203 42.8 0.9 40.9#

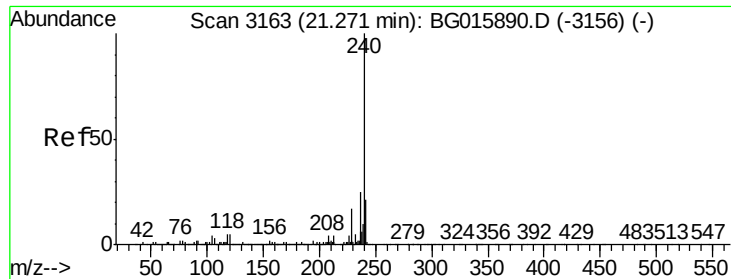


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.28 min Scan# 3164

Delta R.T. 0.01 min

Lab File: BG015908.D

Acq: 21 Jan 2015 18:42

Instrument :

BNA\_G

ClientSampleId :

8024

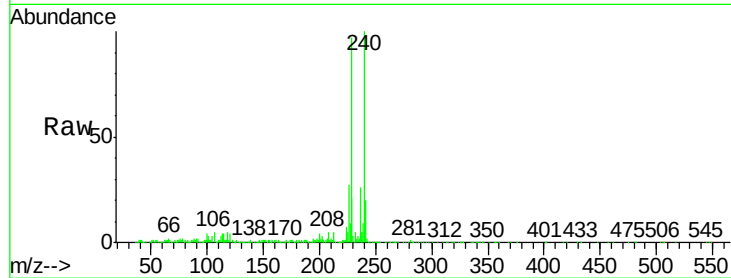
Tgt Ion:240 Resp: 1188070

Ion Ratio Lower Upper

240 100

120 4.0 3.9 5.9

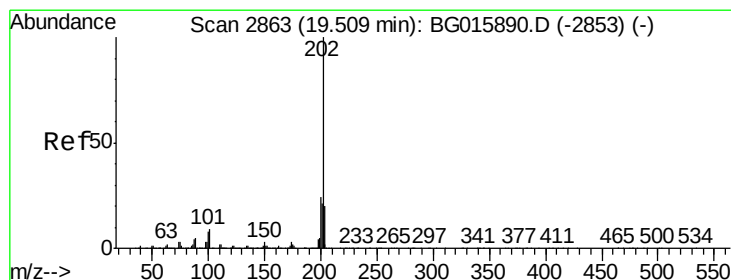
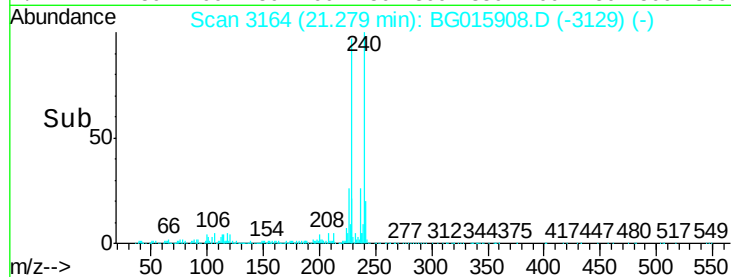
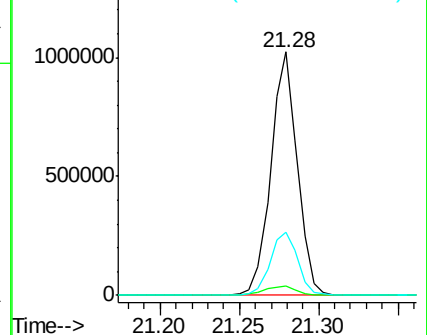
236 25.9 20.0 30.0



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: 101.61 ng

RT: 19.52 min Scan# 2865

Delta R.T. 0.01 min

Lab File: BG015908.D

Acq: 21 Jan 2015 18:42

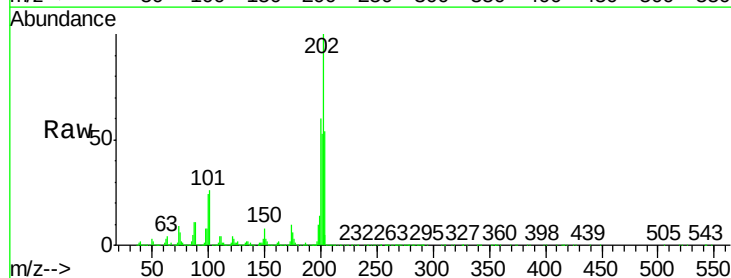
Tgt Ion:202 Resp: 5736802

Ion Ratio Lower Upper

202 100

200 59.8 19.3 28.9#

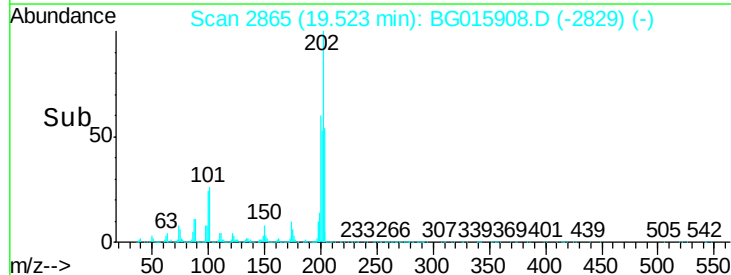
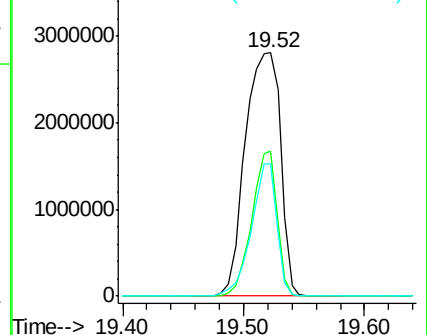
203 54.3 15.9 23.9#

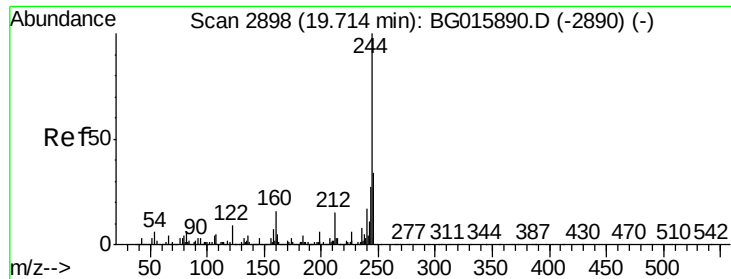


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 92.80 ng

RT: 19.72 min Scan# 2898

Delta R.T. 0.00 min

Lab File: BG015908.D

Acq: 21 Jan 2015 18:42

Instrument :

BNA\_G

ClientSampleId :

8024

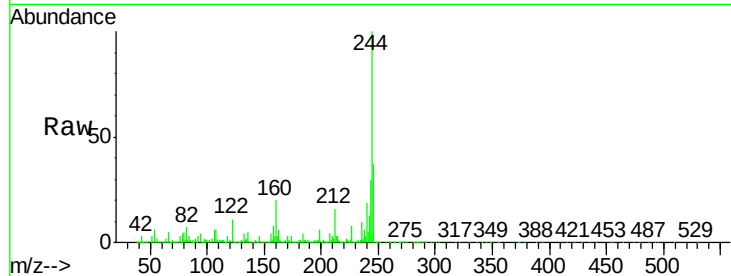
Tgt Ion:244 Resp: 3748110

Ion Ratio Lower Upper

244 100

212 16.5 11.6 17.4

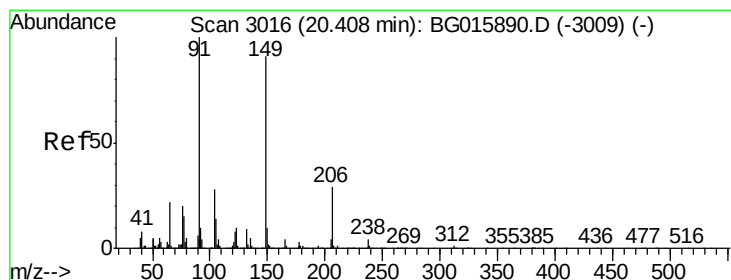
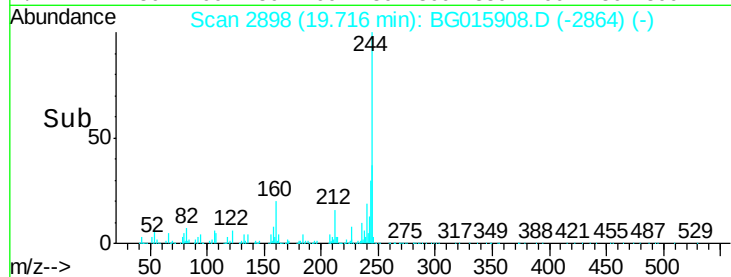
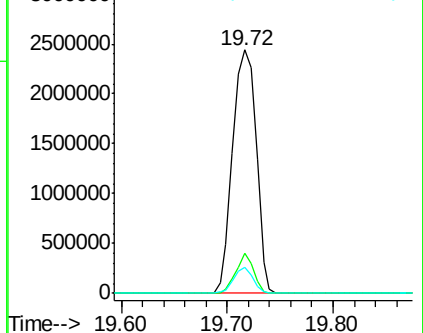
122 10.6 7.0 10.4#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#79

Butylbenzylphthalate

Concen: 167.45 ng

RT: 20.42 min Scan# 3017

Delta R.T. 0.01 min

Lab File: BG015908.D

Acq: 21 Jan 2015 18:42

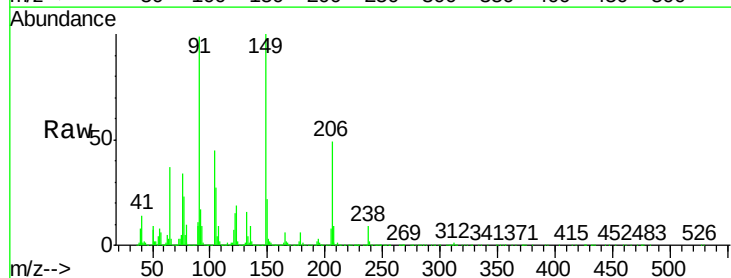
Tgt Ion:149 Resp: 3466161

Ion Ratio Lower Upper

149 100

91 98.7 88.4 132.6

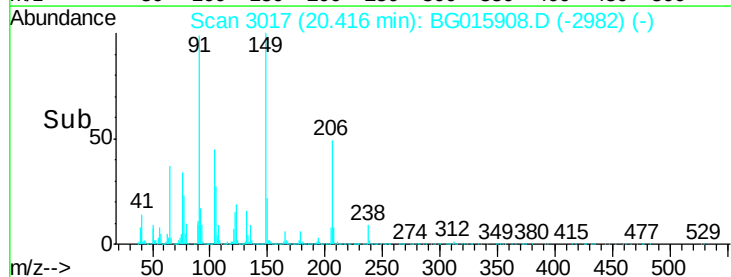
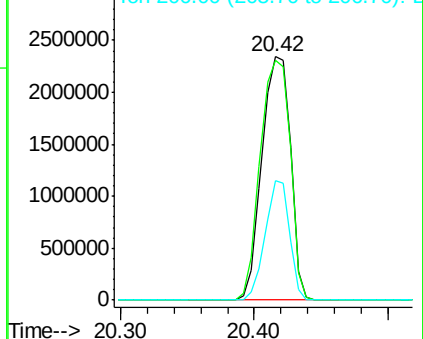
206 48.8 25.3 37.9#

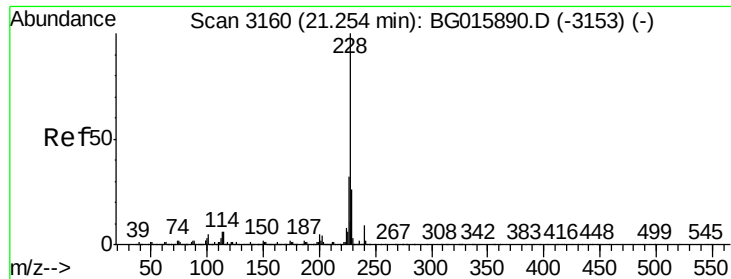


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: Below Cal

RT: 21.26 min Scan# 3161

Delta R.T. 0.01 min

Lab File: BG015908.D

Acq: 21 Jan 2015 18:42

Instrument :

BNA\_G

ClientSampleId :

8024

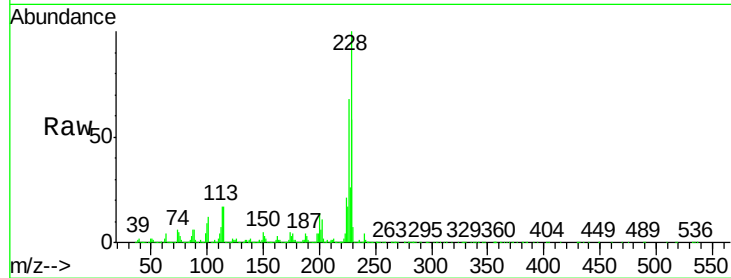
Tgt Ion:228 Resp: 5626446

Ion Ratio Lower Upper

228 100

226 67.9 25.4 38.0#

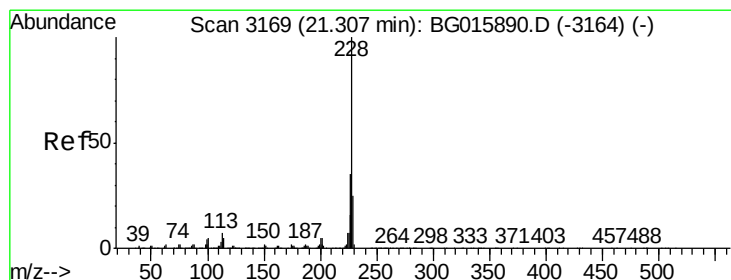
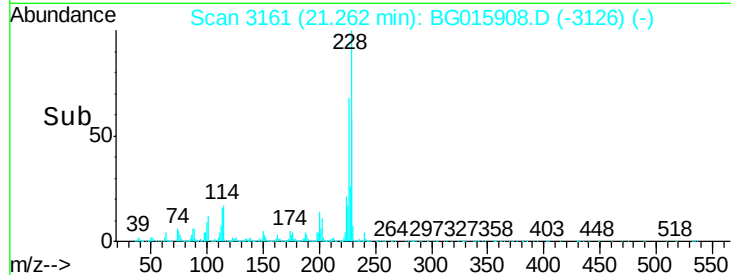
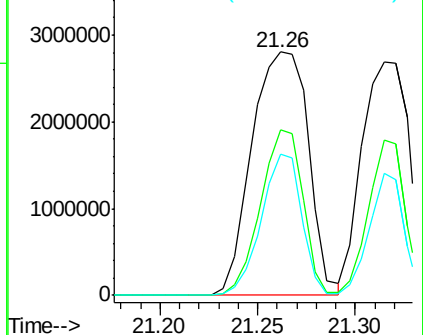
229 58.0 21.2 31.8#



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: Below Cal

RT: 21.31 min Scan# 3170

Delta R.T. 0.01 min

Lab File: BG015908.D

Acq: 21 Jan 2015 18:42

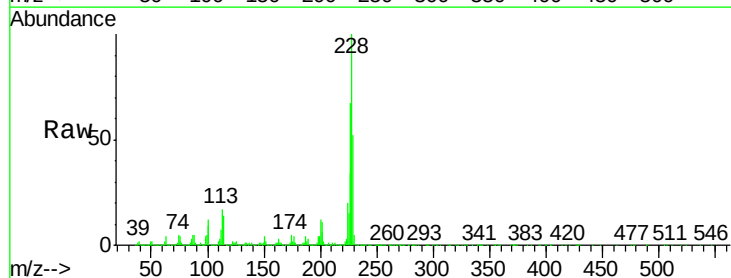
Tgt Ion:228 Resp: 4513038

Ion Ratio Lower Upper

228 100

226 66.5 28.1 42.1#

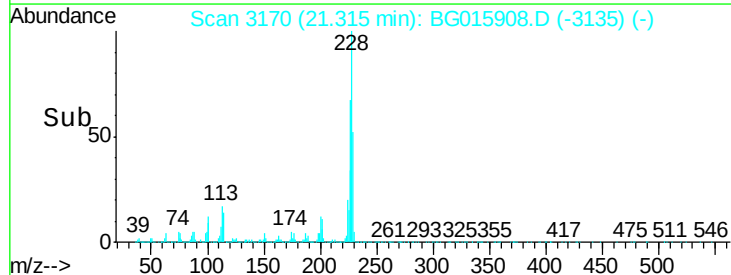
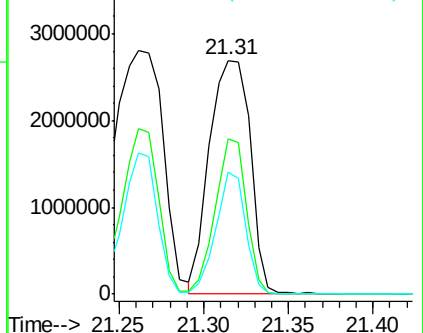
229 52.2 19.8 29.6#

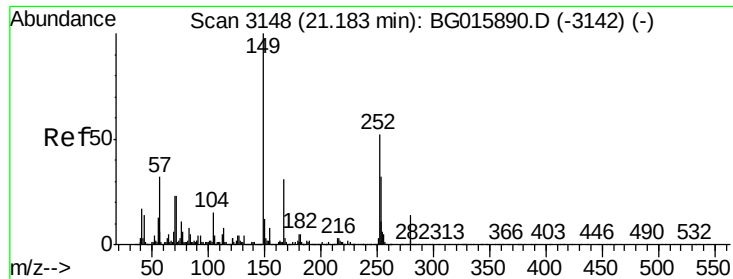


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 77.30 ng

RT: 21.19 min Scan# 3148

Delta R.T. 0.00 min

Lab File: BG015908.D

Acq: 21 Jan 2015 18:42

Instrument :

BNA\_G

ClientSampled :

8024

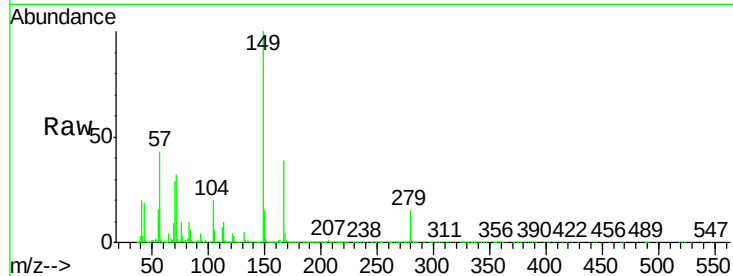
Tgt Ion:149 Resp: 2151461

Ion Ratio Lower Upper

149 100

167 38.7 25.1 37.7#

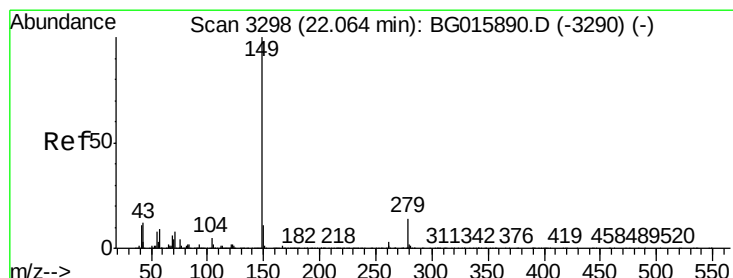
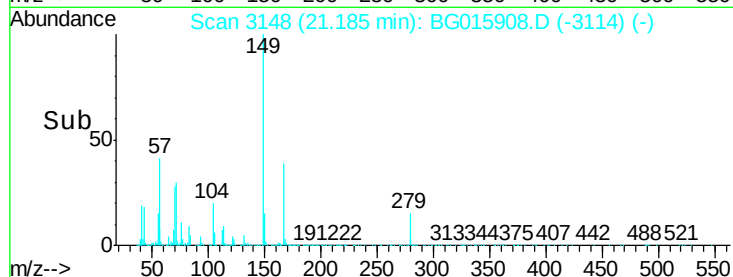
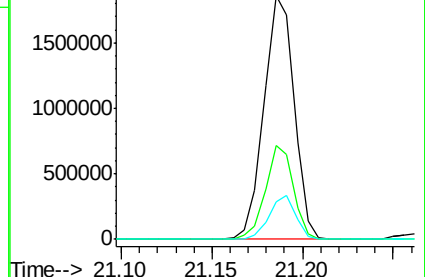
279 15.3 11.2 16.8



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: 135.44 ng

RT: 22.07 min Scan# 3299

Delta R.T. 0.01 min

Lab File: BG015908.D

Acq: 21 Jan 2015 18:42

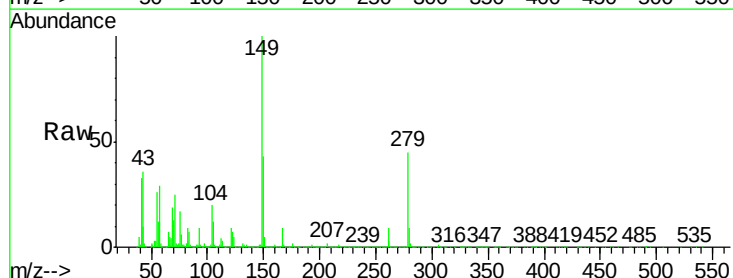
Tgt Ion:149 Resp: 5832266

Ion Ratio Lower Upper

149 100

167 5.1 1.4 2.0#

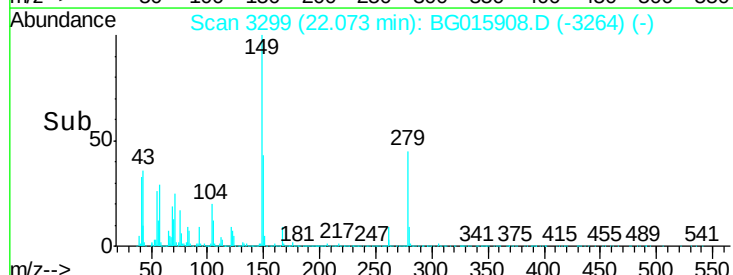
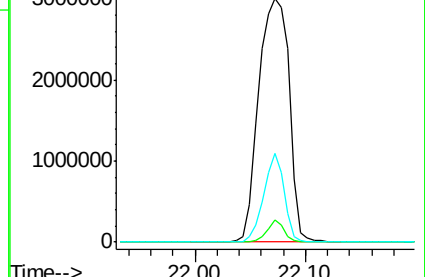
43 24.3 9.2 13.8#

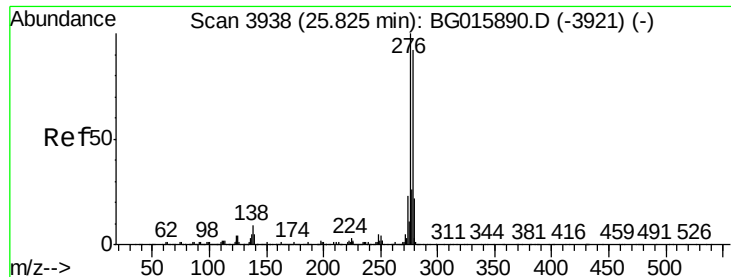


Abundance Ion 149.00 (148.70 to 149.70): E

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: 141.99 ng

RT: 25.87 min Scan# 3945

Delta R.T. 0.04 min

Lab File: BG015908.D

Acq: 21 Jan 2015 18:42

Instrument :

BNA\_G

ClientSampleId :

8024

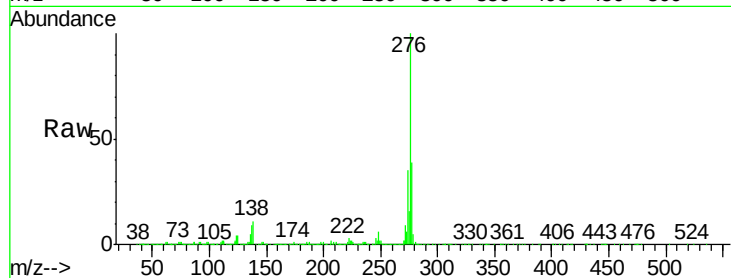
Tgt Ion:276 Resp: 9890837

Ion Ratio Lower Upper

276 100

138 10.0 6.9 10.3

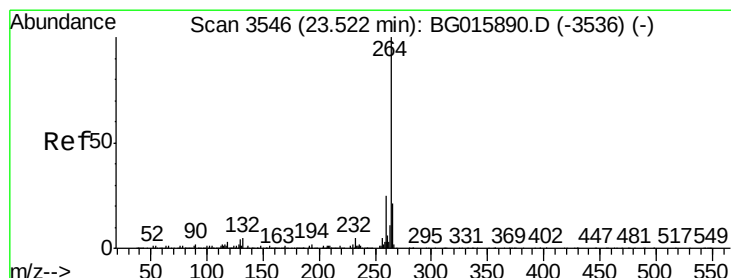
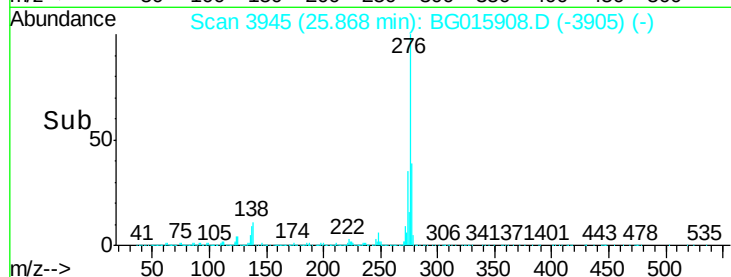
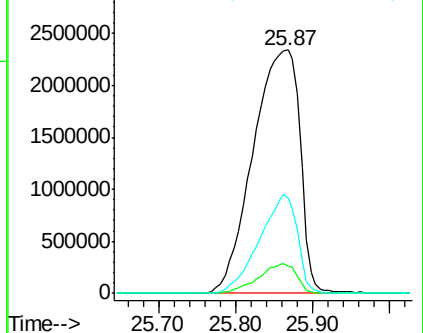
277 32.9 20.7 31.1#



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: 23.54 min Scan# 3548

Delta R.T. 0.01 min

Lab File: BG015908.D

Acq: 21 Jan 2015 18:42

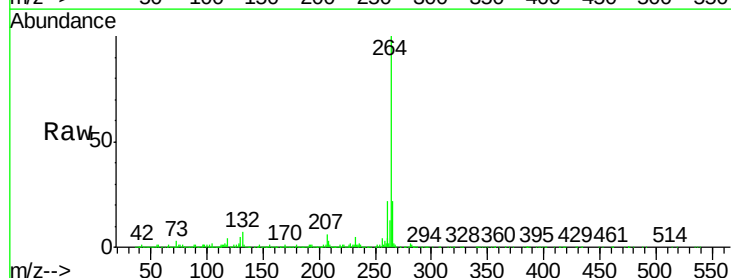
Tgt Ion:264 Resp: 1116942

Ion Ratio Lower Upper

264 100

260 21.6 19.7 29.5

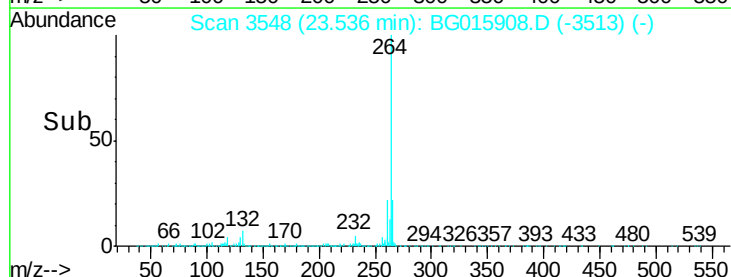
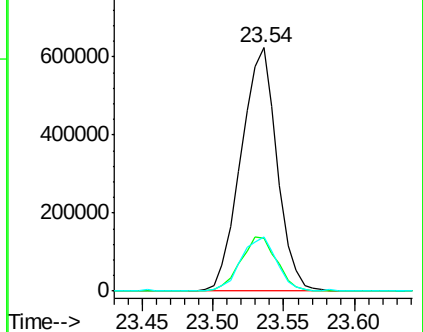
265 22.3 17.3 25.9

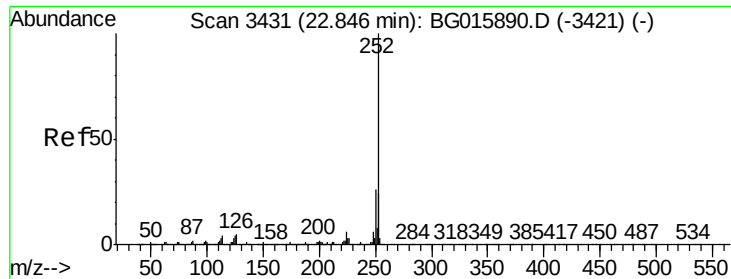


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

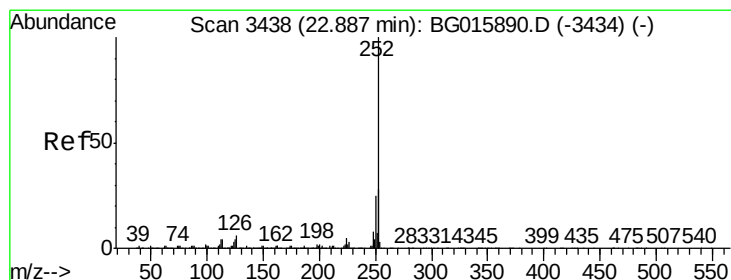
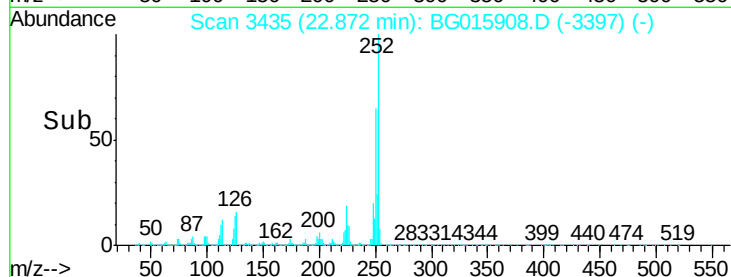
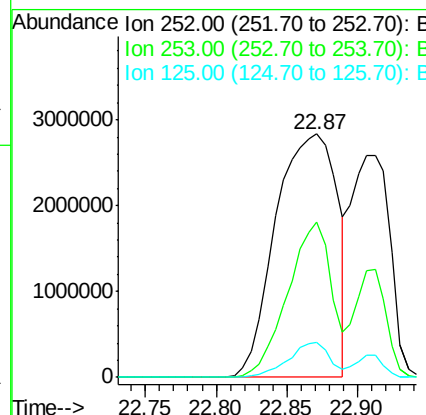
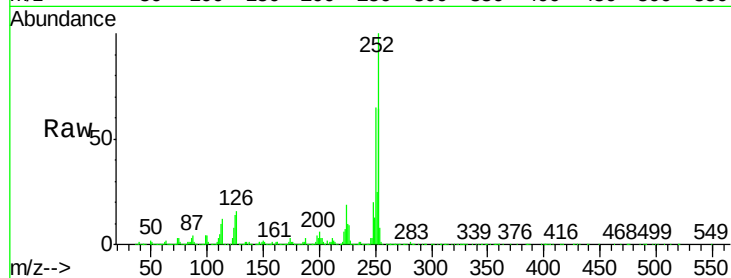




#87  
Benzo(b)fluoranthene  
Concen: 134.70 ng  
RT: 22.87 min Scan# 3435  
Delta R.T. 0.03 min  
Lab File: BG015908.D  
Acq: 21 Jan 2015 18:42

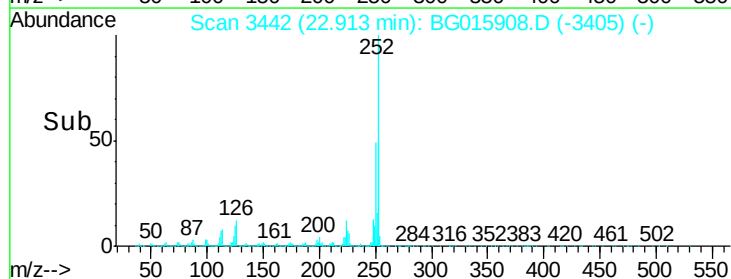
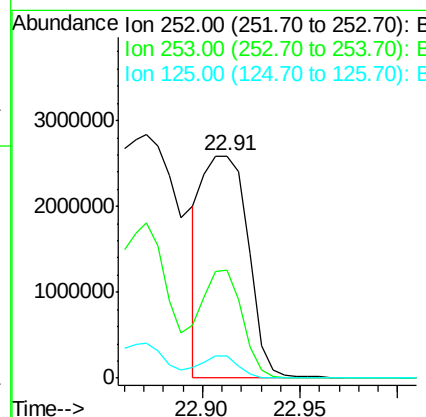
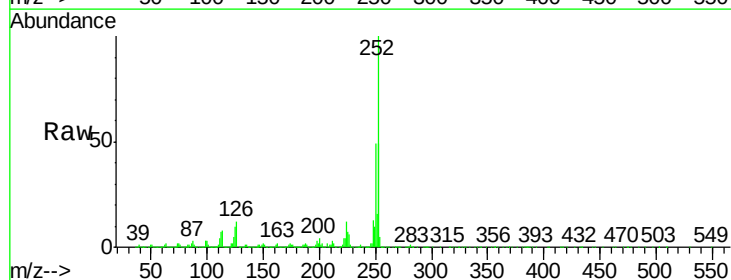
Instrument :  
BNA\_G  
ClientSampleId :  
8024

Tgt Ion:252 Resp: 8587922  
Ion Ratio Lower Upper  
252 100  
253 63.8 19.4 29.0#  
125 14.4 2.9 4.3#

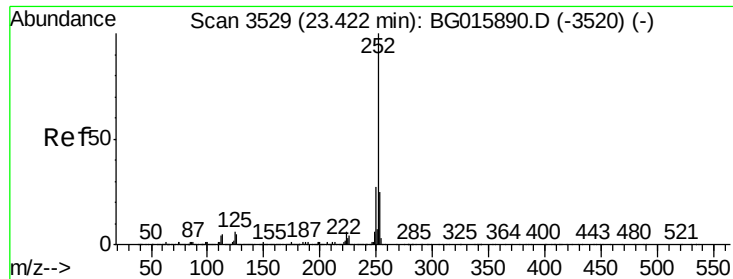


#88  
Benzo(k)fluoranthene  
Concen: 67.97 ng  
RT: 22.91 min Scan# 3442  
Delta R.T. 0.02 min  
Lab File: BG015908.D  
Acq: 21 Jan 2015 18:42

Tgt Ion:252 Resp: 4194847  
Ion Ratio Lower Upper  
252 100  
253 48.7 21.3 31.9#  
125 9.8 3.4 5.0#







#89

Benzo(a)pyrene

Concen: 107.77 ng

RT: 23.45 min Scan# 3533

Delta R.T. 0.02 min

Lab File: BG015908.D

Acq: 21 Jan 2015 18:42

Instrument :

BNA\_G

ClientSampleId :

8024

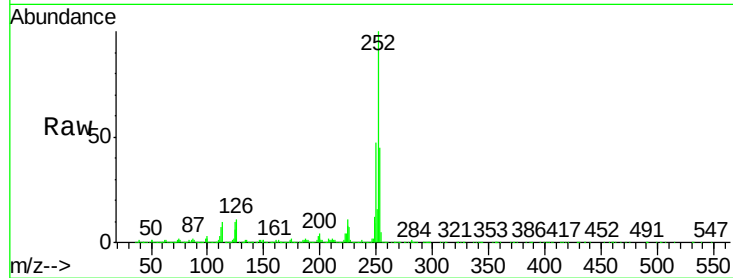
Tgt Ion:252 Resp: 6611350

Ion Ratio Lower Upper

252 100

253 44.9 19.9 29.9#

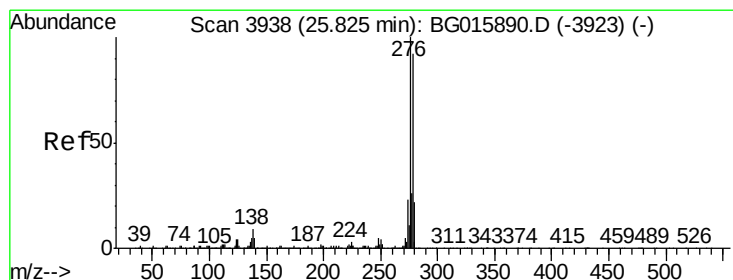
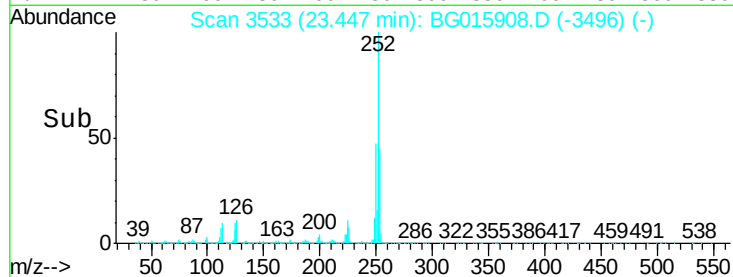
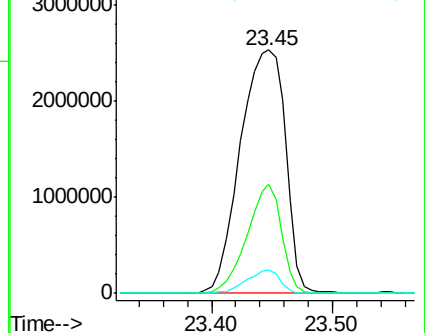
125 9.9 4.5 6.7#



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: 6.76 ng

RT: 25.87 min Scan# 3945

Delta R.T. 0.03 min

Lab File: BG015908.D

Acq: 21 Jan 2015 18:42

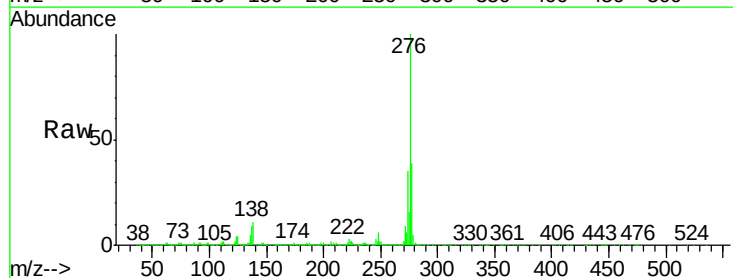
Tgt Ion:278 Resp: 393952

Ion Ratio Lower Upper

278 100

139 0.0 4.3 6.5#

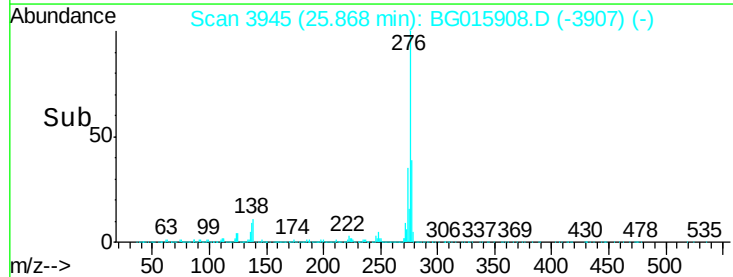
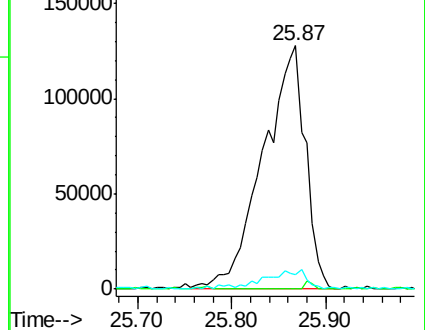
279 6.2 19.4 29.0#

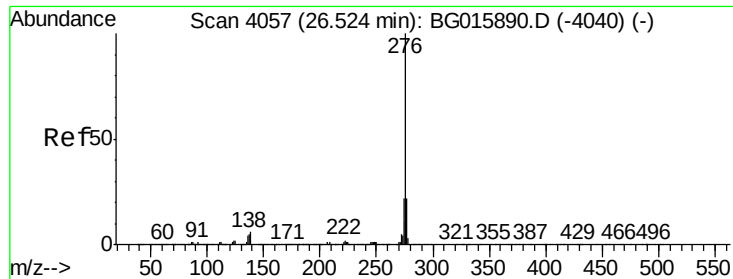


Abundance Ion 278.00 (277.70 to 278.70): E

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: 215.63 ng

RT: 26.60 min Scan# 4070

Delta R.T. 0.06 min

Lab File: BG015908.D

Acq: 21 Jan 2015 18:42

Instrument :

BNA\_G

ClientSampleId :

8024

Tgt Ion:276 Resp:12251272

Ion Ratio Lower Upper

276 100

277 41.1 17.2 25.8#

138 13.5 5.0 7.6#

