

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022118\  
 Data File : BG032764.D  
 Acq On : 21 Feb 2018 17:48  
 Operator : SJ/JU  
 Sample : J1391-04  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 AU-05-022018-B

Quant Time: Feb 22 06:14:02 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Feb 21 15:45:53 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.93  | 152  | 74443    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 11.82 | 136  | 321705   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 15.55 | 164  | 177846   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 18.27 | 188  | 401794   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 22.64 | 240  | 383461   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 26.45 | 264  | 421373   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 6.35  | 112 | 593905  | 127.64 | ng | 0.00 |
| 7) Phenol-d6             | 8.03  | 99  | 695838  | 107.29 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 10.13 | 82  | 489305  | 103.15 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 17.01 | 330 | 298487  | 159.62 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 14.18 | 172 | 1107795 | 89.84  | ng | 0.00 |
| 78) Terphenyl-d14        | 20.80 | 244 | 1608243 | 94.23  | ng | 0.00 |

## Target Compounds

|                                |       |     |       |        |    | Qvalue |
|--------------------------------|-------|-----|-------|--------|----|--------|
| 2) 1,4-Dioxane                 | 3.64  | 88  | 8617  | 4.267  | ng | # 1    |
| 3) Pyridine                    | 4.39  | 79  | 54    | 0.010  | ng | # 1    |
| 4) n-Nitrosodimethylamine      | 4.34  | 42  | 302   | 0.135  | ng | # 1    |
| 6) Aniline                     | 8.40  | 93  | 66    | 0.008  | ng | # 41   |
| 8) 2-Chlorophenol              | 8.44  | 128 | 63    | 0.012  | ng | # 1    |
| 9) Benzaldehyde                | 8.03  | 77  | 1312  | 0.351  | ng | # 20   |
| 10) Phenol                     | 8.03  | 94  | 116   | 0.018  | ng | # 1    |
| 11) bis(2-Chloroethyl)ether    | 8.40  | 93  | 66    | 0.012  | ng | # 16   |
| 15) Benzyl Alcohol             | 9.27  | 79  | 8610  | 1.806  | ng | # 40   |
| 16) 2,2'-oxybis(1-Chloropropan | 9.47  | 45  | 61    | 0.007  | ng | # 75   |
| 18) Hexachloroethane           | 10.06 | 117 | 374   | 0.183  | ng | # 1    |
| 19) n-Nitroso-di-n-propylamine | 10.13 | 70  | 64758 | 14.143 | ng | # 83   |
| 22) Acetophenone               | 9.76  | 105 | 1438  | 0.177  | ng | # 75   |
| 24) Nitrobenzene               | 10.12 | 77  | 1743  | 6.675  | ng | # 48   |
| 25) Isophorone                 | 10.70 | 82  | 118   | 0.010  | ng | # 69   |
| 27) 2,4-Dimethylphenol         | 10.95 | 122 | 336   | 0.068  | ng | # 1    |
| 28) bis(2-Chloroethoxy)methane | 11.28 | 93  | 55    | 0.008  | ng | # 51   |
| 31) Naphthalene                | 11.87 | 128 | 11625 | 0.692  | ng | # 98   |
| 32) Benzoic acid               | 10.95 | 122 | 336   | 5.949  | ng | # 69   |
| 33) 4-Chloroaniline            | 11.87 | 127 | 1710  | 0.228  | ng | # 51   |
| 36) 4-Chloro-3-methylphenol    | 13.37 | 107 | 55    | 0.011  | ng | # 22   |
| 37) 2-Methylnaphthalene        | 13.63 | 142 | 4014  | 0.330  | ng | # 88   |
| 45) 1,1'-Biphenyl              | 14.39 | 154 | 3465  | 0.223  | ng | # 93   |
| 46) 2-Chloronaphthalene        | 14.72 | 162 | 53    | 0.005  | ng | # 39   |
| 47) 2-Nitroaniline             | 14.71 | 65  | 119   | 9.868  | ng | # 9    |
| 48) Acenaphthylene             | 15.28 | 152 | 591   | 0.031  | ng | # 59   |
| 50) 2,6-Dinitrotoluene         | 15.55 | 165 | 23439 | 16.537 | ng | # 21   |
| 51) Acenaphthene               | 15.61 | 154 | 483   | 0.041  | ng | # 66   |
| 54) Dibenzofuran               | 15.93 | 168 | 1236  | 0.073  | ng | # 69   |
| 55) 4-Nitrophenol              | 15.93 | 139 | 578   | 7.294  | ng | # 1    |
| 56) 2,4-Dinitrotoluene         | 15.55 | 165 | 23439 | 14.736 | ng | # 18   |
| 57) Fluorene                   | 16.57 | 166 | 1077  | 0.077  | ng | # 78   |
| 59) Diethylphthalate           | 16.31 | 149 | 2802  | 0.176  | ng | # 91   |
| 61) 4-Nitroaniline             | 16.54 | 138 | 57    | 5.315  | ng | # 12   |

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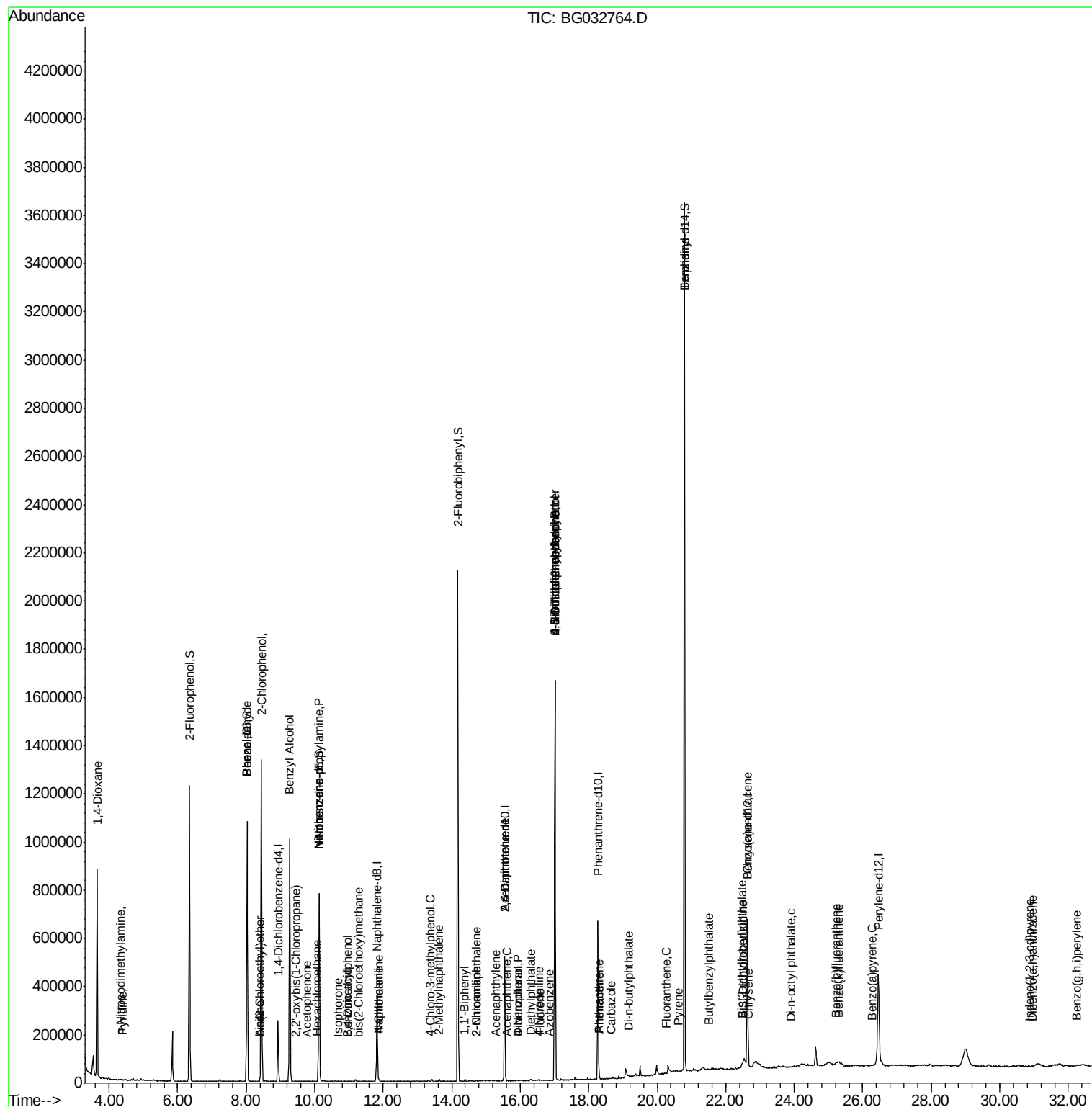
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 62) Azobenzene                 | 16.86 | 77   | 512      | 0.036 | ng    | # 38     |
| 64) 4,6-Dinitro-2-methylphenol | 17.01 | 198  | 860      | 5.857 | ng    | # 1      |
| 65) n-Nitrosodiphenylamine     | 17.01 | 169  | 11729    | 0.897 | ng    | # 49     |
| 66) 4-Bromophenyl-phenylether  | 17.01 | 248  | 20938    | 4.928 | ng    | # 1      |
| 70) Phenanthrene               | 18.32 | 178  | 4058     | 0.181 | ng    | 94       |
| 71) Anthracene                 | 18.32 | 178  | 4058     | 0.180 | ng    | 95       |
| 72) Carbazole                  | 18.66 | 167  | 995      | 0.045 | ng    | # 58     |
| 73) Di-n-butylphthalate        | 19.16 | 149  | 2523     | 0.093 | ng    | # 70     |
| 74) Fluoranthene               | 20.26 | 202  | 947      | 0.038 | ng    | # 45     |
| 76) Benzidine                  | 20.80 | 184  | 27563    | 2.109 | ng    | # 88     |
| 77) Pyrene                     | 20.62 | 202  | 683      | 0.025 | ng    | # 57     |
| 79) Butylbenzylphthalate       | 21.50 | 149  | 245      | 0.020 | ng    | # 65     |
| 80) Benzo(a)anthracene         | 22.62 | 228  | 1580     | 0.064 | ng    | # 83     |
| 81) 3,3'-Dichlorobenzidine     | 22.50 | 252  | 337      | 0.037 | ng    | # 1      |
| 82) Chrysene                   | 22.68 | 228  | 442      | 0.019 | ng    | # 41     |
| 83) Bis(2-ethylhexyl)phthalate | 22.47 | 149  | 3489     | 0.197 | ng    | # 81     |
| 84) Di-n-octyl phthalate       | 23.90 | 149  | 520      | 0.019 | ng    | # 1      |
| 85) Indeno(1,2,3-cd)pyrene     | 30.87 | 276  | 765      | 0.028 | ng    | # 66     |
| 87) Benzo(b)fluoranthene       | 25.23 | 252  | 252      | 0.010 | ng    | # 1      |
| 88) Benzo(k)fluoranthene       | 25.29 | 252  | 393      | 0.016 | ng    | # 1      |
| 89) Benzo(a)pyrene             | 26.27 | 252  | 383      | 0.016 | ng    | # 4      |
| 90) Dibenzo(a,h)anthracene     | 30.97 | 278  | 757      | 0.032 | ng    | # 25     |
| 91) Benzo(g,h,i)perylene       | 32.26 | 276  | 806      | 0.034 | ng    | # 36     |

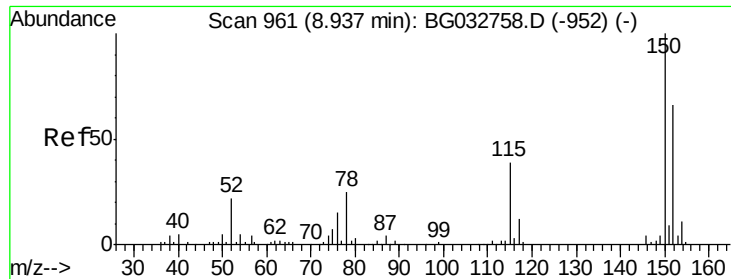
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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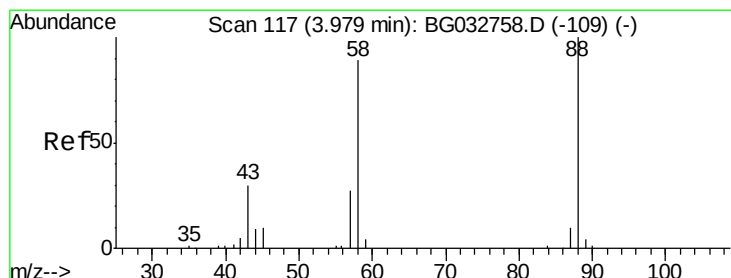
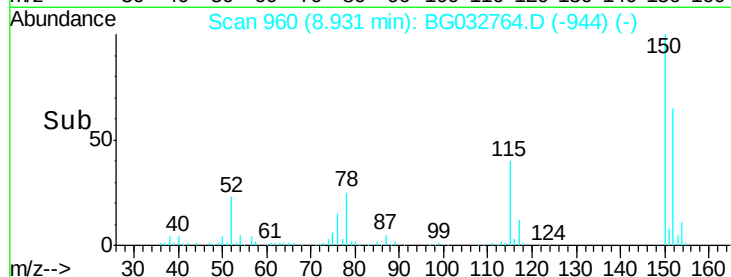
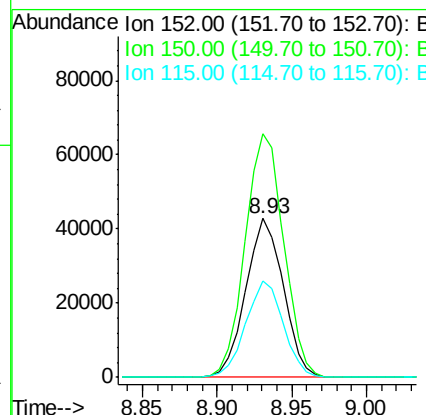
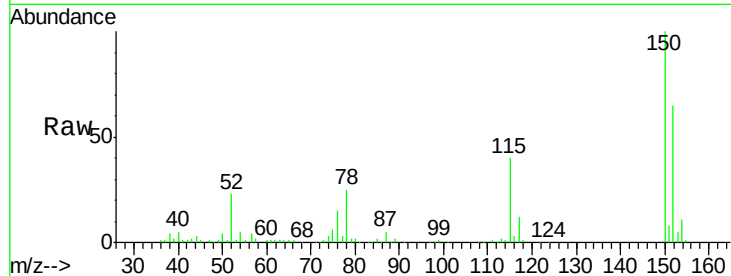


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.93 min Scan# 960  
Delta R.T. -0.01 min  
Lab File: BG032764.D  
Acq: 21 Feb 2018 17:48

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BNA\_G  
ClientSampleId :  
AU-05-022018-B

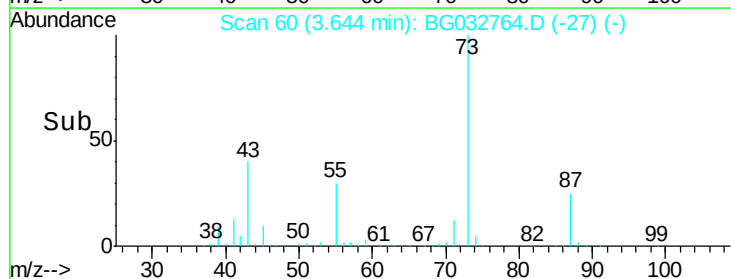
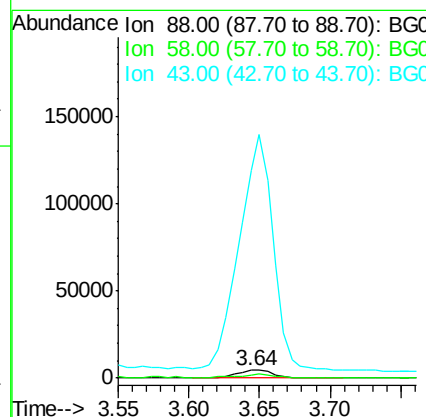
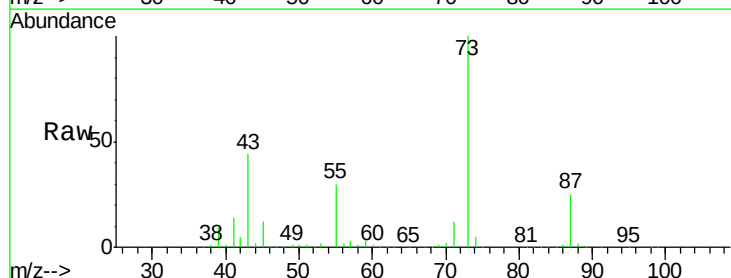
Tot Ion:152 Resp: 74443  
Ion Ratio Lower Upper  
152 100  
150 153.0 126.6 189.8  
115 60.9 53.0 79.4

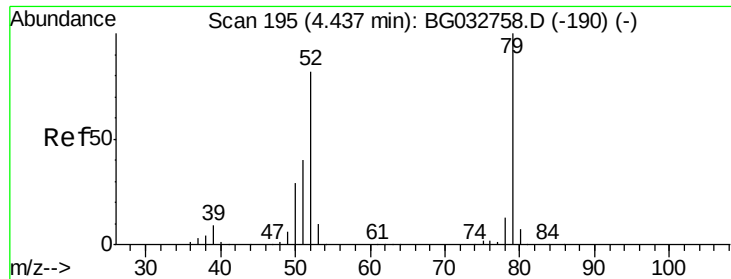


#2

1,4-Dioxane  
Concen: 4.267 ng  
RT: 3.64 min Scan# 60  
Delta R.T. -0.33 min  
Lab File: BG032764.D  
Acq: 21 Feb 2018 17:48

Tgt Ion: 88 Resp: 8617  
Ion Ratio Lower Upper  
88 100  
58 34.2 79.6 119.4#  
43 2684.4 27.4 41.0#





#3

Pvridine

Concen: 0.010 ng

RT: 4.39 min Scan# 187

Delta R.T. -0.05 min

Lab File: BG032764.D

Acq: 21 Feb 2018 17:48

Instrument :

BNA\_G

ClientSampleId :

AU-05-022018-B

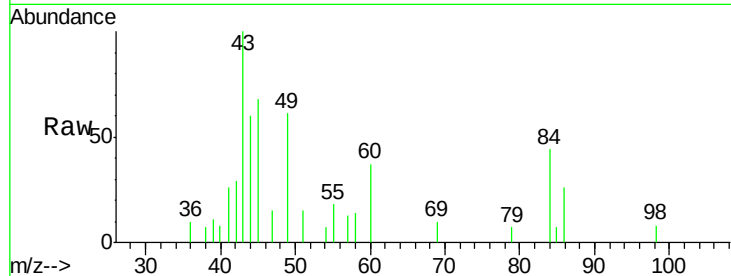
Tot Ion: 79 Resp: 54

Ion Ratio Lower Upper

79 100

52 0.0 69.9 104.9#

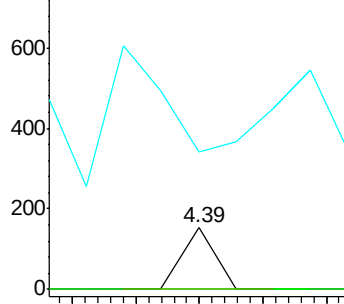
51 224.2 34.0 51.0#



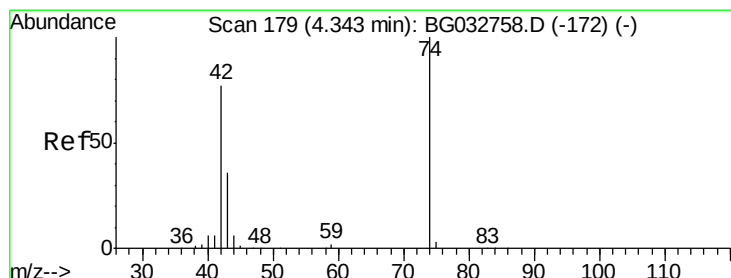
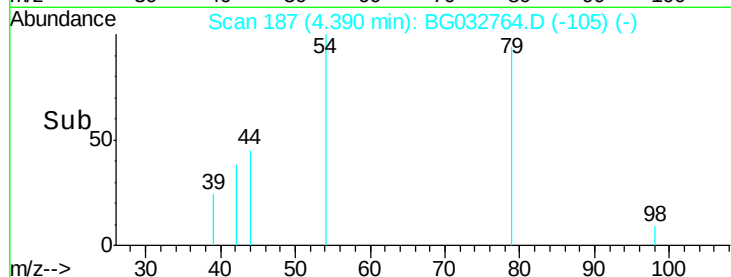
Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 52.00 (51.70 to 52.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



Time-->



#4

n-Nitrosodimethylamine

Concen: 0.135 ng

RT: 4.34 min Scan# 178

Delta R.T. -0.01 min

Lab File: BG032764.D

Acq: 21 Feb 2018 17:48

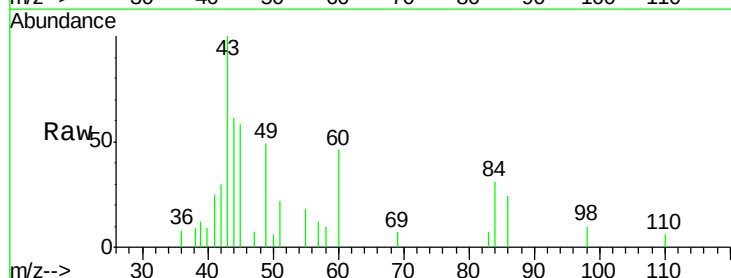
Tgt Ion: 42 Resp: 302

Ion Ratio Lower Upper

42 100

74 0.0 102.5 153.7#

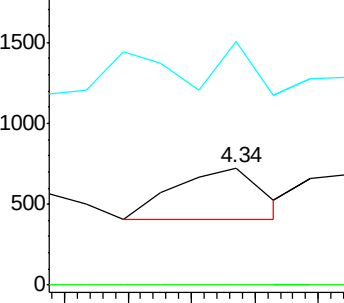
44 207.3 18.9 28.3#



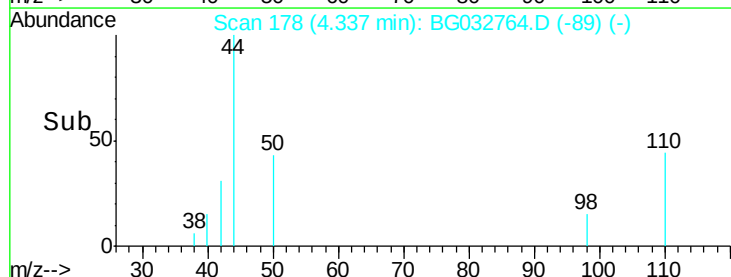
Abundance Ion 42.00 (41.70 to 42.70): BGC

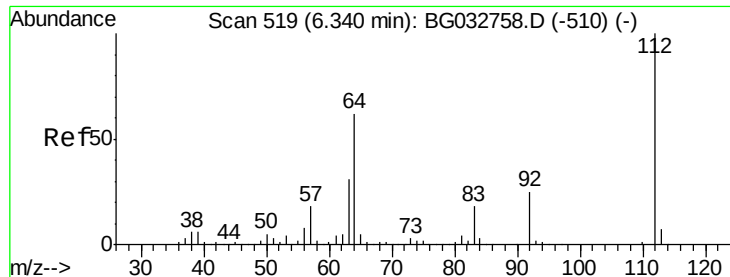
Ion 74.00 (73.70 to 74.70): BGC

Ion 44.00 (43.70 to 44.70): BGC



Time-->





#5

2-Fluorophenol

Concen: 127.636 ng

RT: 6.35 min Scan# 520

Delta R.T. 0.01 min

Lab File: BG032764.D

Acq: 21 Feb 2018 17:48

Instrument :

BNA\_G

ClientSampleId :

AU-05-022018-B

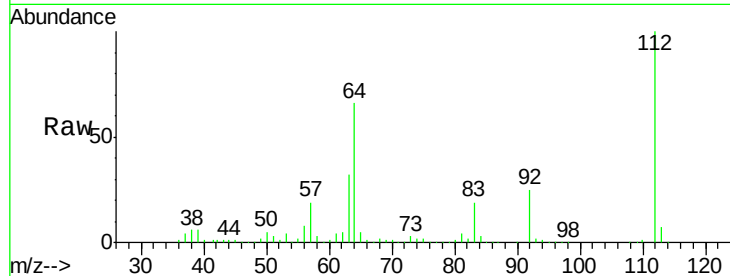
Tot Ion: 112 Resp: 593905

Ion Ratio Lower Upper

112 100

64 65.6 56.3 84.5

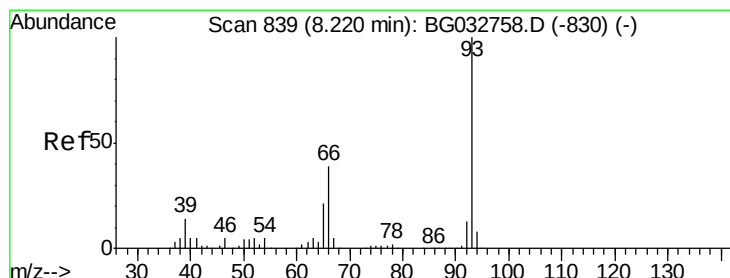
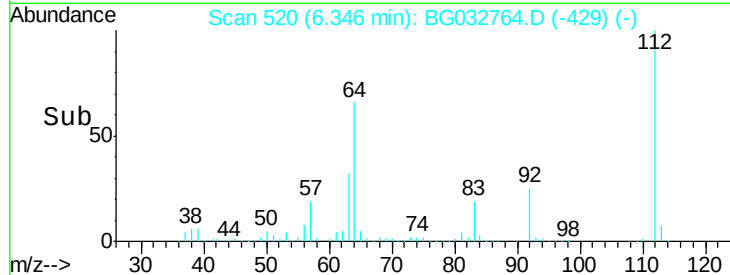
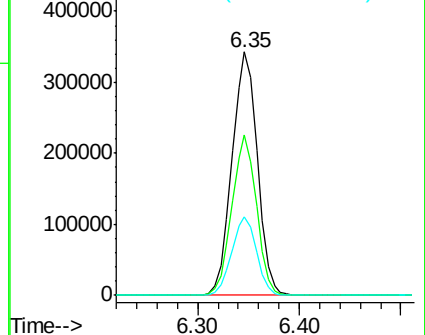
63 32.3 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 0.008 ng

RT: 8.40 min Scan# 869

Delta R.T. 0.18 min

Lab File: BG032764.D

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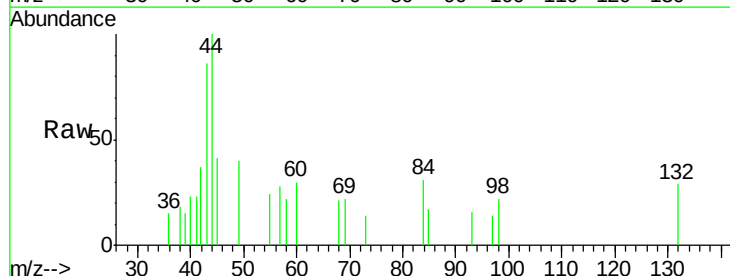
Tgt Ion: 93 Resp: 66

Ion Ratio Lower Upper

93 100

66 0.0 33.7 50.5#

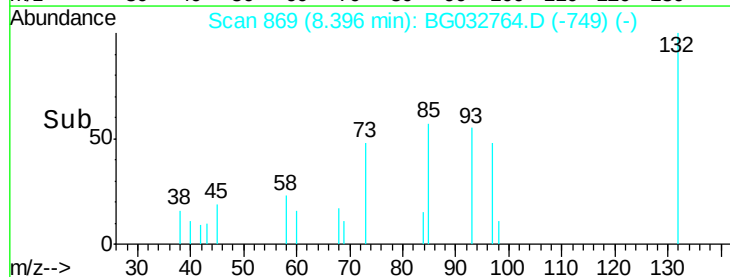
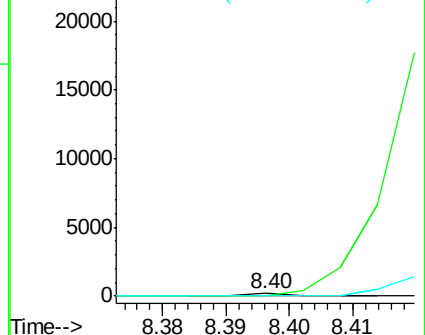
65 0.0 16.1 24.1#

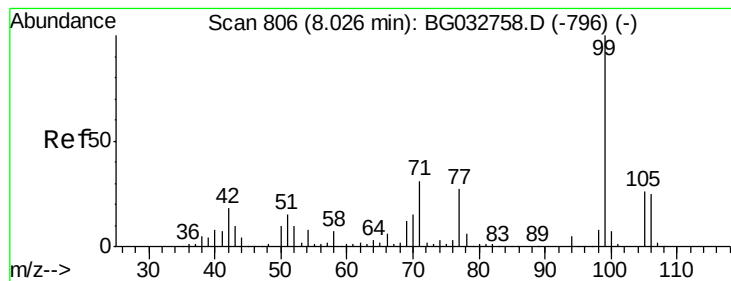


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 107.287 ng

RT: 8.03 min Scan# 806

Delta R.T. 0.00 min

Lab File: BG032764.D

Acq: 21 Feb 2018 17:48

Instrument :

BNA\_G

ClientSampleId :

AU-05-022018-B

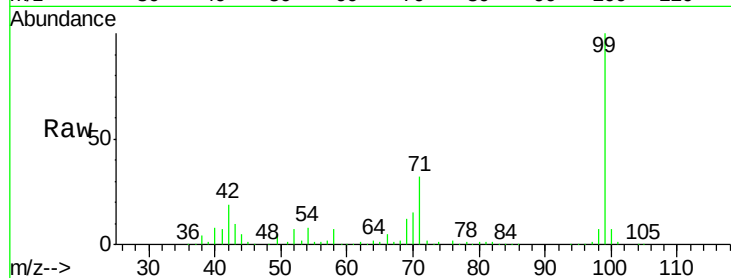
Tot Ion: 99 Resp: 695838

Ion Ratio Lower Upper

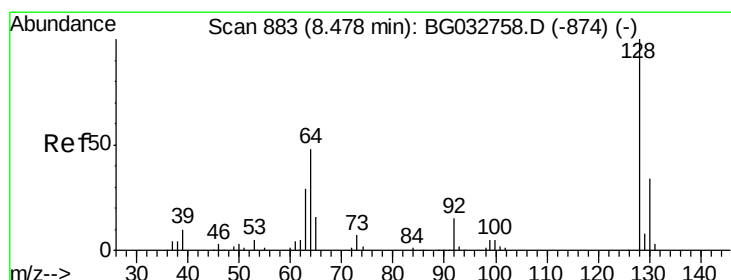
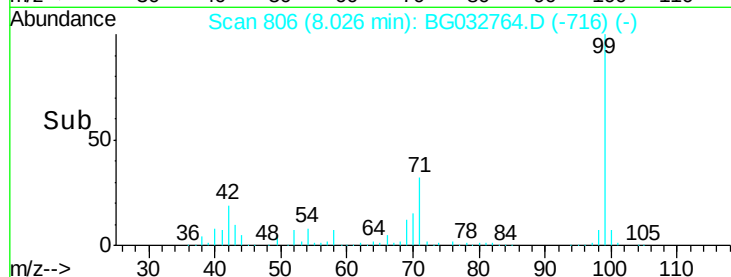
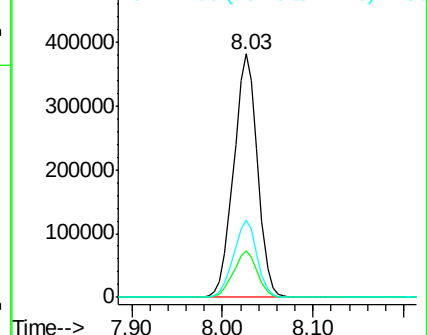
99 100

42 19.2 14.1 21.1

71 31.5 26.1 39.1



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



#8

2-Chlorophenol

Concen: 0.012 ng

RT: 8.44 min Scan# 877

Delta R.T. -0.04 min

Lab File: BG032764.D

Acq: 21 Feb 2018 17:48

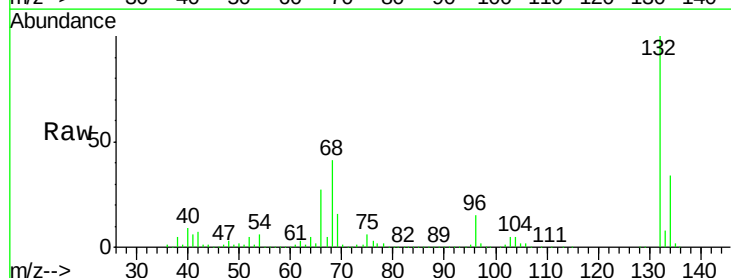
Tgt Ion: 128 Resp: 63

Ion Ratio Lower Upper

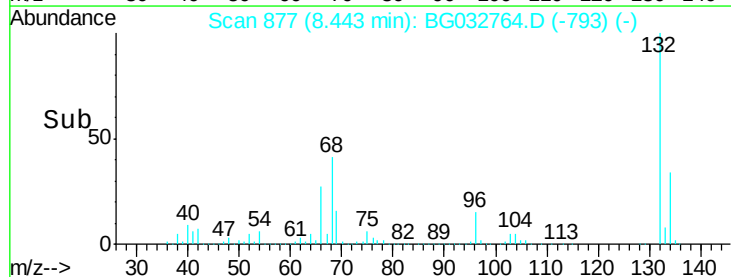
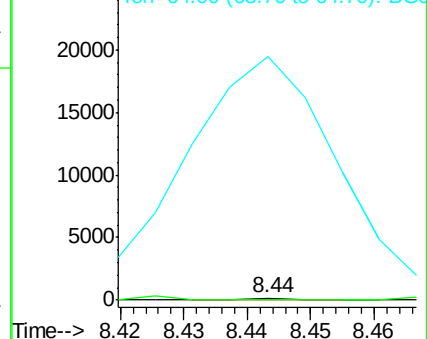
128 100

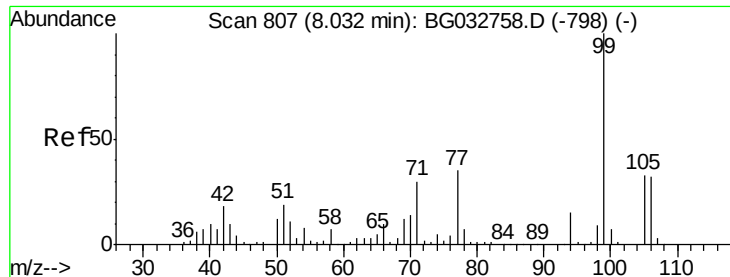
130 0.0 14.0 54.0#

64 10873.7 37.7 77.7#



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

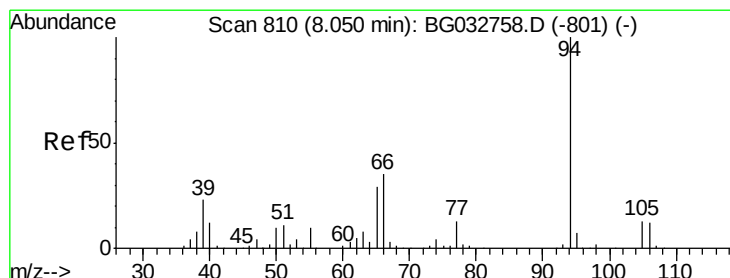
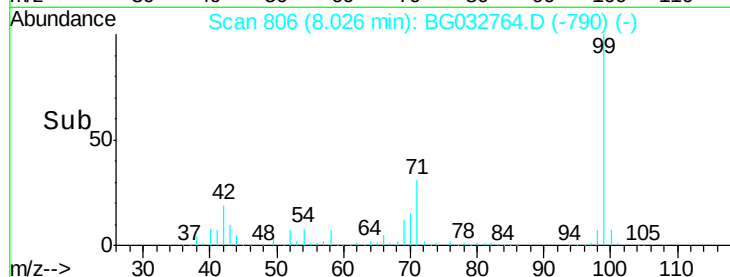
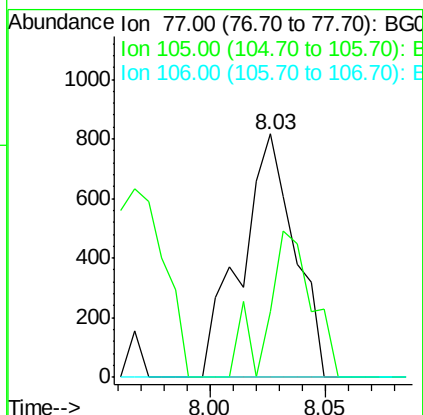
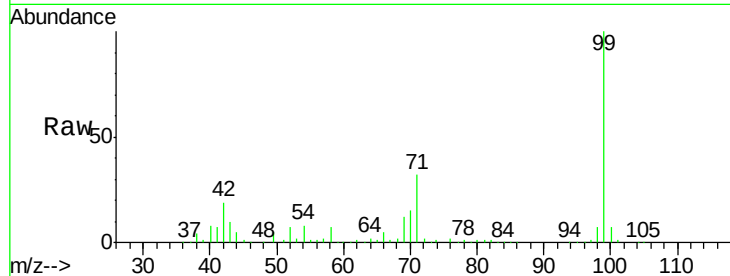




#9  
Benzaldehyde  
Concen: 0.351 ng  
RT: 8.03 min Scan# 806  
Delta R.T. -0.01 min  
Lab File: BG032764.D  
Acq: 21 Feb 2018 17:48

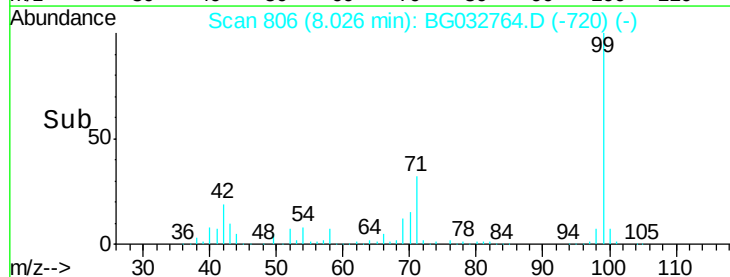
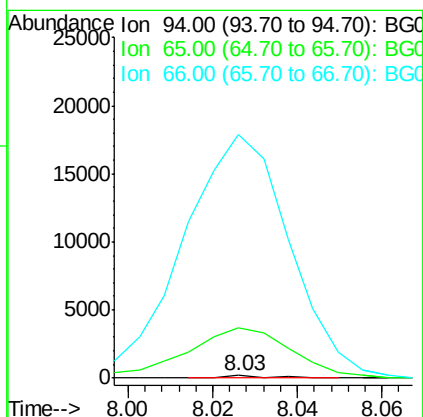
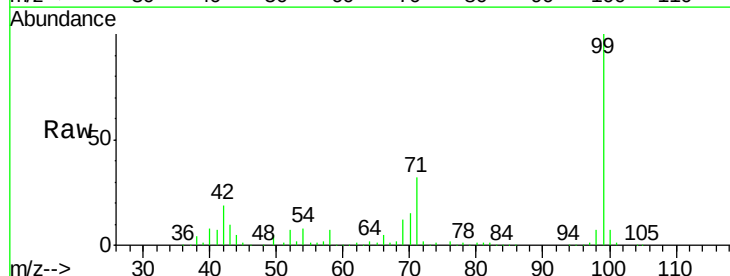
Instrument :  
BNA\_G  
ClientSampleId :  
AU-05-022018-B

Tot Ion: 77 Resp: 1312  
Ion Ratio Lower Upper  
77 100  
105 26.7 71.3 111.3#  
106 0.0 64.2 104.2#

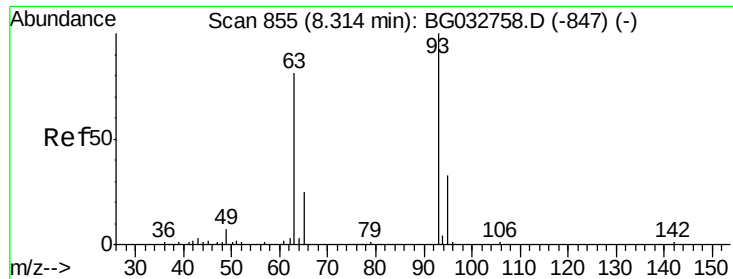


#10  
Phenol  
Concen: 0.018 ng  
RT: 8.03 min Scan# 806  
Delta R.T. -0.02 min  
Lab File: BG032764.D  
Acq: 21 Feb 2018 17:48

Tgt Ion: 94 Resp: 116  
Ion Ratio Lower Upper  
94 100  
65 2134.7 11.9 51.9#  
66 10335.3 22.2 62.2#



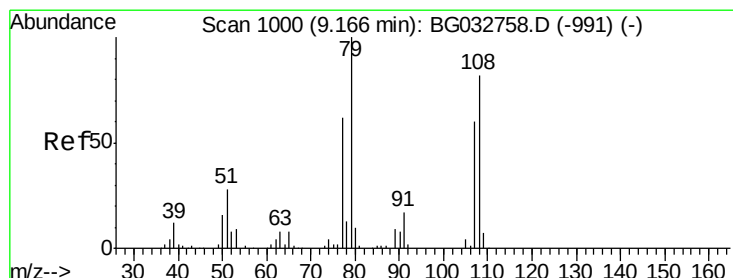
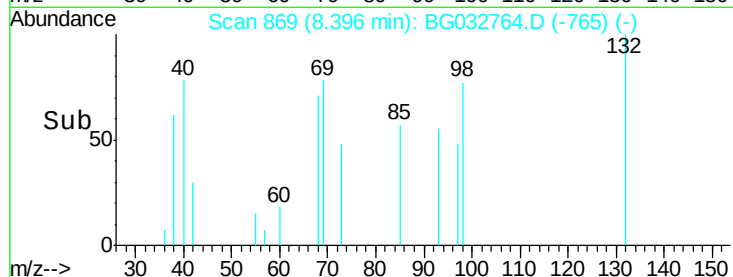
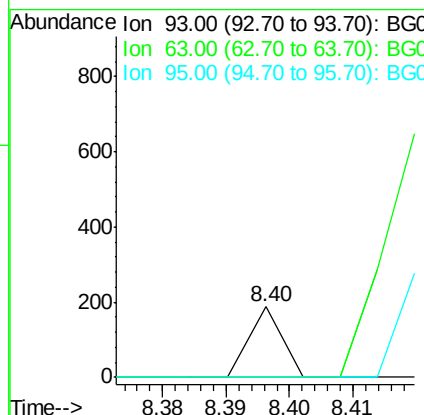
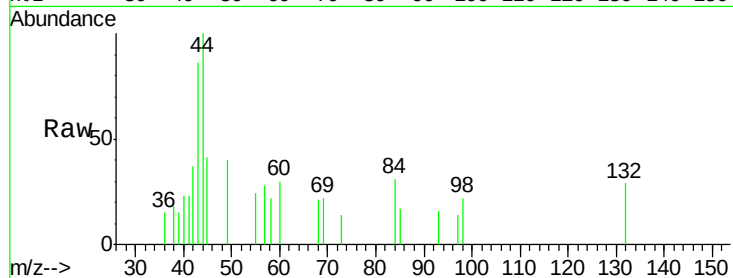




#11  
bis(2-Chloroethyl)ether  
Concen: 0.012 ng  
RT: 8.40 min Scan# 869  
Delta R.T. 0.08 min  
Lab File: BG032764.D  
Acq: 21 Feb 2018 17:48

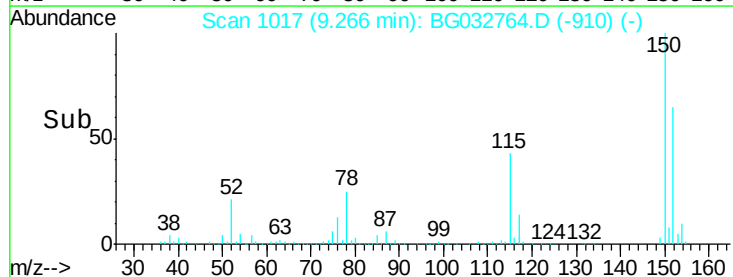
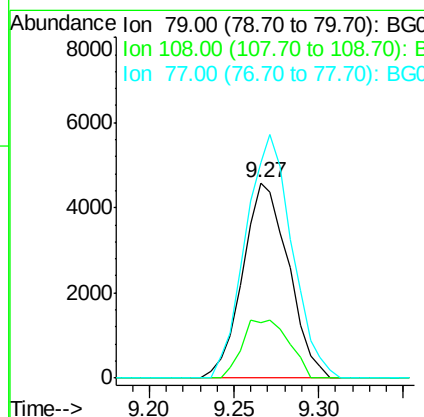
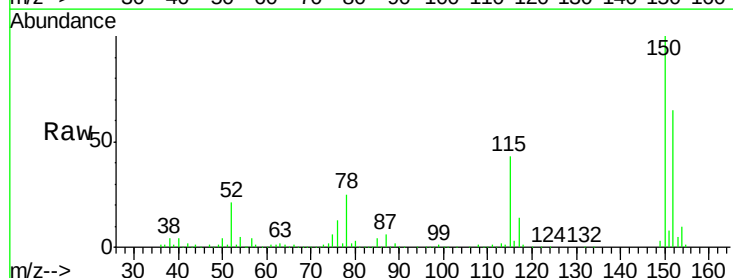
Instrument :  
BNA\_G  
ClientSampleId :  
AU-05-022018-B

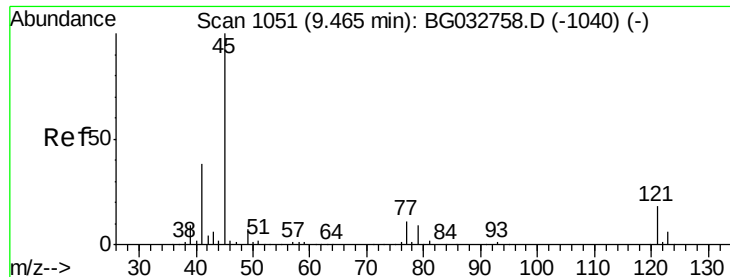
Tot Ion: 93 Resp: 66  
Ion Ratio Lower Upper  
93 100  
63 0.0 67.1 107.1#  
95 0.0 11.5 51.5#



#15  
Benzyl Alcohol  
Concen: 1.806 ng  
RT: 9.27 min Scan# 1017  
Delta R.T. 0.10 min  
Lab File: BG032764.D  
Acq: 21 Feb 2018 17:48

Tgt Ion: 79 Resp: 8610  
Ion Ratio Lower Upper  
79 100  
108 28.5 57.2 85.8#  
77 110.0 46.1 69.1#





#16

2,2'-oxvbis(1-Chloropropane)

Concen: 0.007 ng

RT: 9.47 min Scan# 1051

Delta R.T. 0.00 min

Lab File: BG032764.D

Acq: 21 Feb 2018 17:48

Instrument :

BNA\_G

ClientSampleId :

AU-05-022018-B

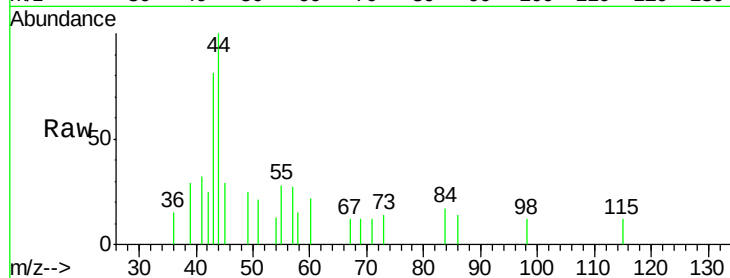
Tot Ion: 45 Resp: 61

Ion Ratio Lower Upper

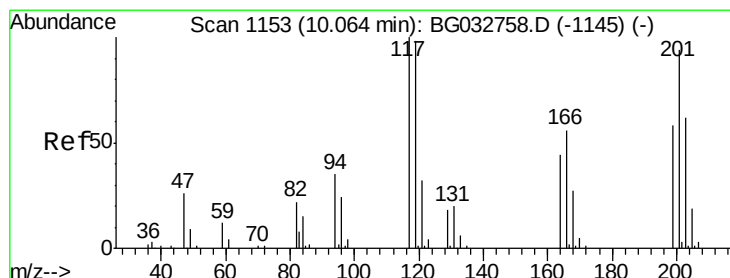
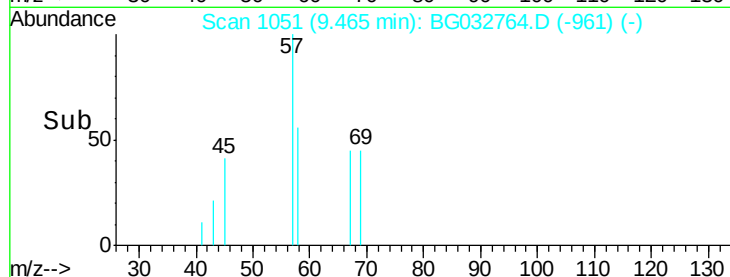
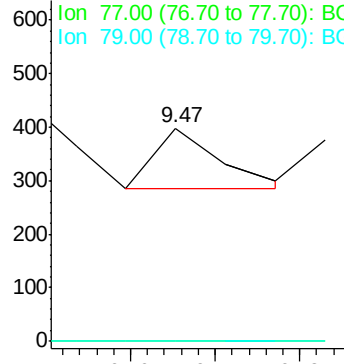
45 100

77 0.0 0.0 30.2

79 0.0 0.0 27.9



Abundance Ion 45.00 (44.70 to 45.70): BGC  
Ion 77.00 (76.70 to 77.70): BGC  
Ion 79.00 (78.70 to 79.70): BGC



#18

Hexachloroethane

Concen: 0.183 ng

RT: 10.06 min Scan# 1153

Delta R.T. 0.00 min

Lab File: BG032764.D

Acq: 21 Feb 2018 17:48

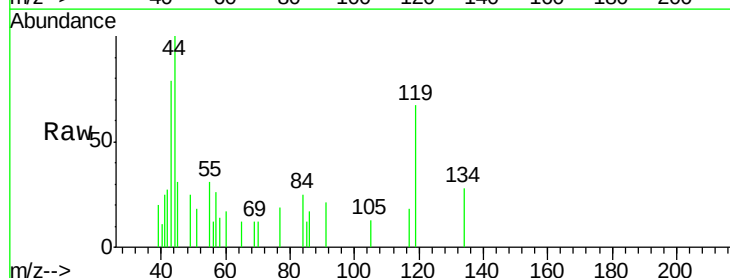
Tgt Ion: 117 Resp: 374

Ion Ratio Lower Upper

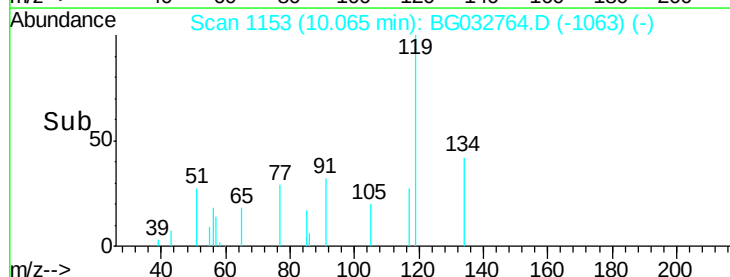
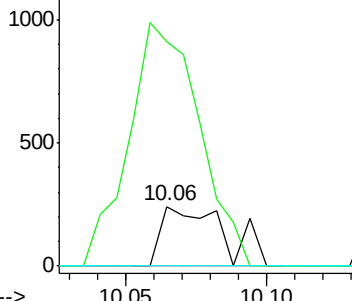
117 100

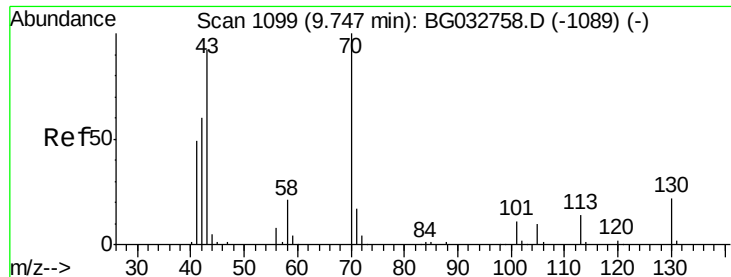
119 376.8 76.7 115.1#

201 0.0 95.7 143.5#



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

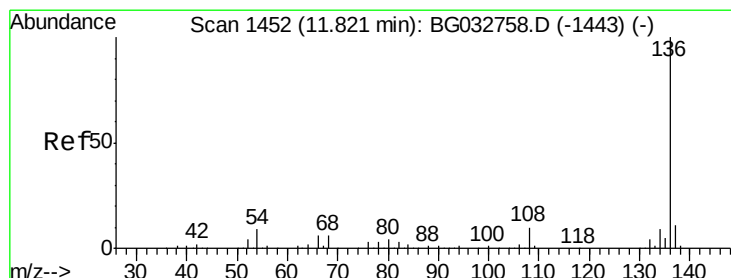
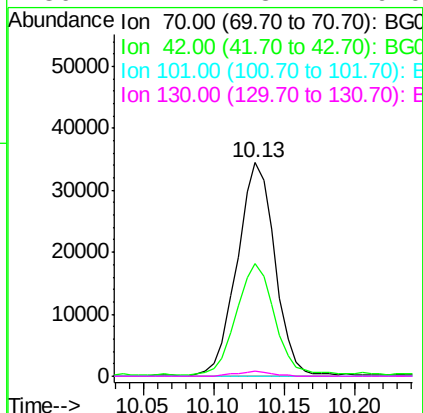
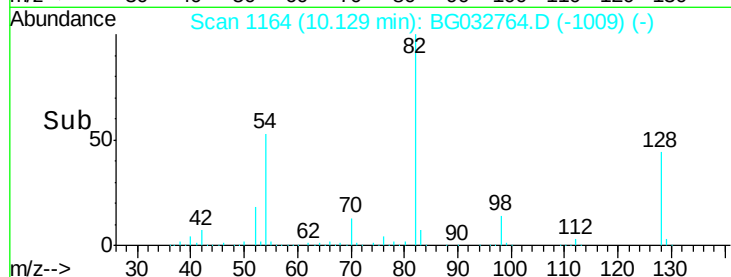
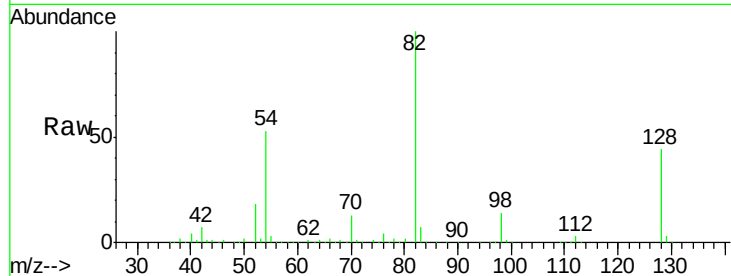




#19  
n-Nitroso-di-n-propylamine  
Concen: 14.143 ng  
RT: 10.13 min Scan# 1164  
Delta R.T. 0.38 min  
Lab File: BG032764.D  
Acq: 21 Feb 2018 17:48

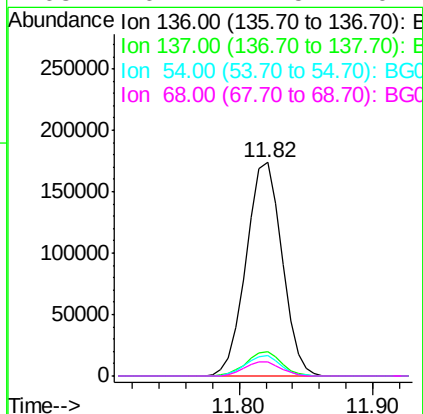
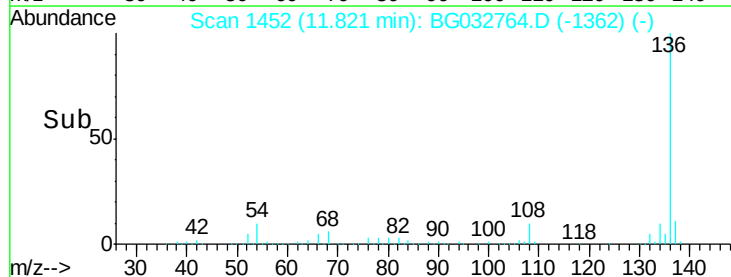
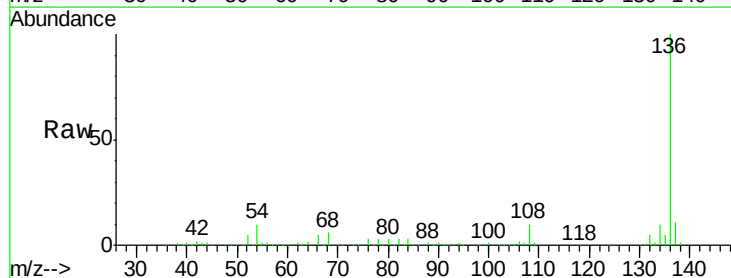
Instrument :  
BNA\_G  
ClientSampleId :  
AU-05-022018-B

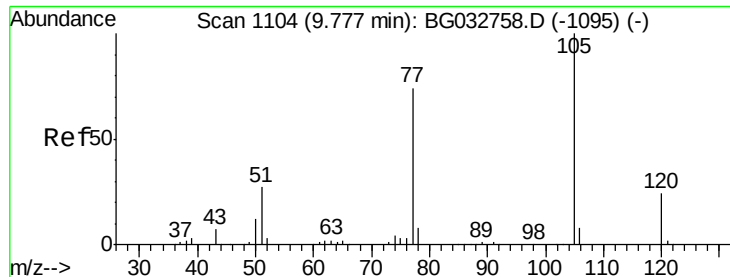
Tot Ion: 70 Resp: 64758  
Ion Ratio Lower Upper  
70 100  
42 52.9 49.1 73.7  
101 0.0 8.5 12.7#  
130 2.7 13.4 20.0#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.82 min Scan# 1452  
Delta R.T. 0.00 min  
Lab File: BG032764.D  
Acq: 21 Feb 2018 17:48

Tgt Ion: 136 Resp: 321705  
Ion Ratio Lower Upper  
136 100  
137 11.2 9.2 13.8  
54 9.6 10.3 15.5#  
68 6.4 4.5 6.7





#22

Acetophenone

Concen: 0.177 ng

RT: 9.76 min Scan# 1102

Delta R.T. -0.01 min

Lab File: BG032764.D

Acq: 21 Feb 2018 17:48

Instrument :

BNA\_G

ClientSampleId :

AU-05-022018-B

Tot Ion:105 Resp: 1438

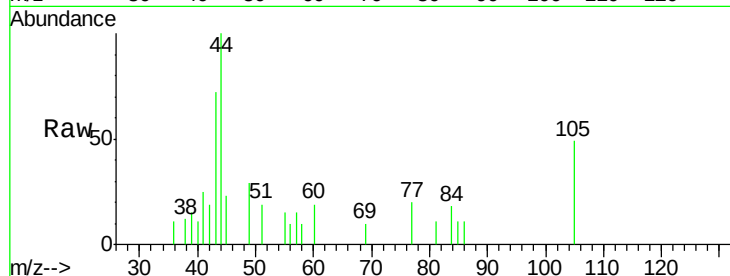
Ion Ratio Lower Upper

105 100

71 0.0 3.0 4.4#

51 39.6 26.1 39.1#

120 0.0 17.4 26.2#

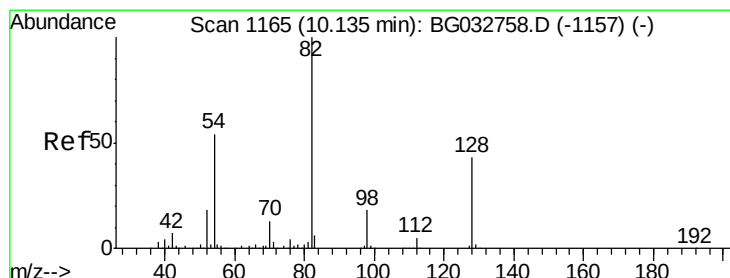
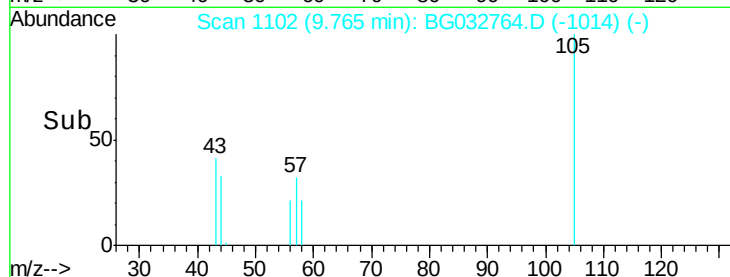
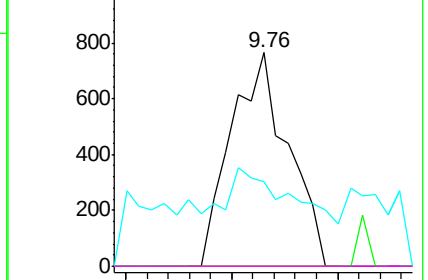


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 103.152 ng

RT: 10.13 min Scan# 1164

Delta R.T. -0.00 min

Lab File: BG032764.D

Acq: 21 Feb 2018 17:48

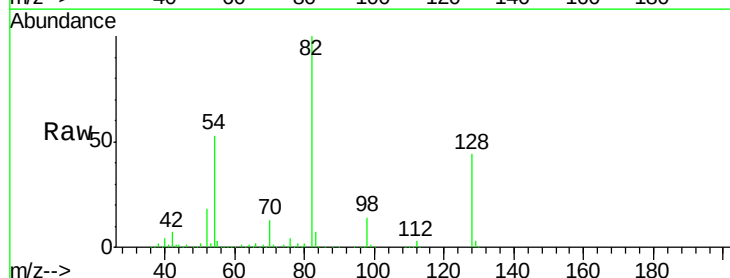
Tgt Ion: 82 Resp: 489305

Ion Ratio Lower Upper

82 100

128 44.0 29.7 44.5

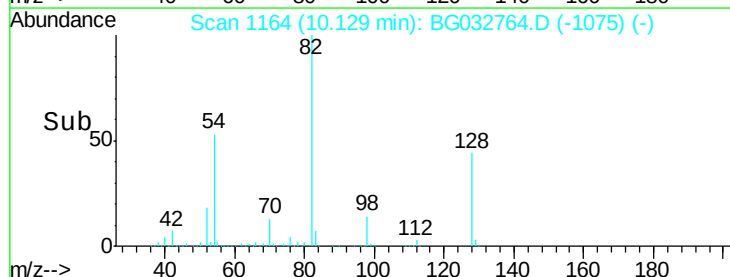
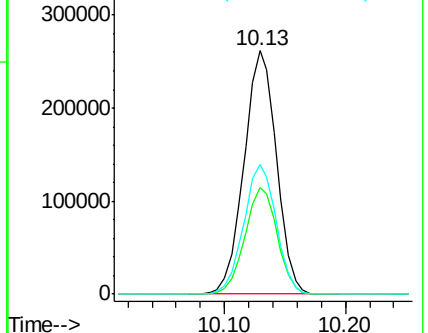
54 53.3 43.1 64.7

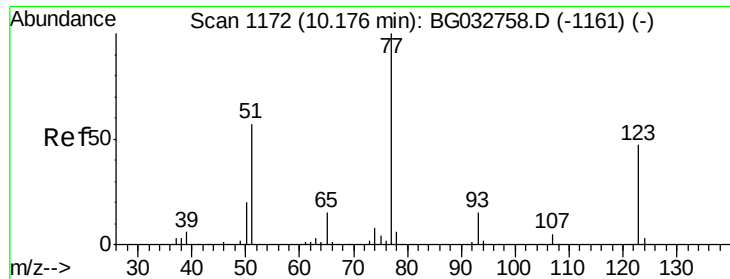


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#24

Nitrobenzene

Concen: 6.675 ng

RT: 10.12 min Scan# 1163

Delta R.T. -0.05 min

Lab File: BG032764.D

Acq: 21 Feb 2018 17:48

Instrument :

BNA\_G

ClientSampleId :

AU-05-022018-B

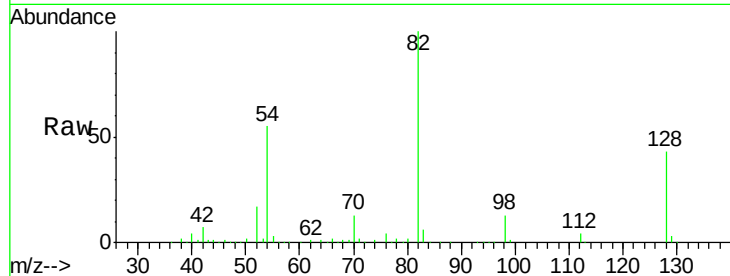
Tot Ion: 77 Resp: 1743

Ion Ratio Lower Upper

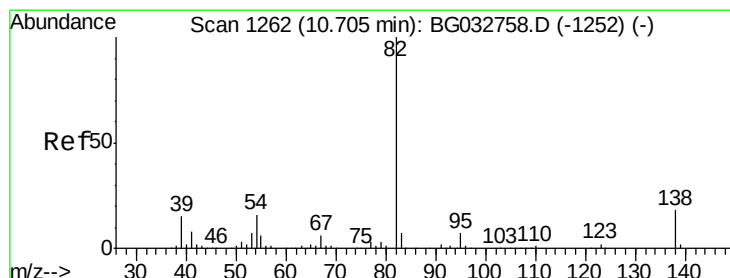
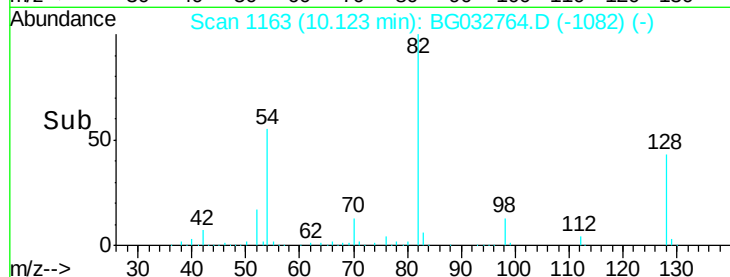
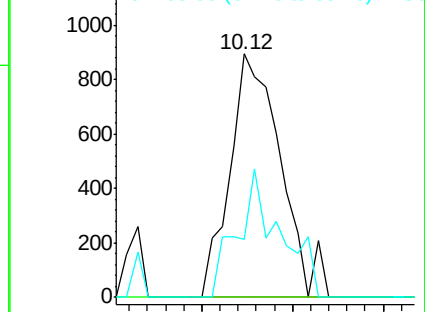
77 100

123 0.0 33.0 49.6#

65 23.6 13.0 19.6#



Abundance Ion 77.00 (76.70 to 77.70): BGC  
Ion 123.00 (122.70 to 123.70): BGC  
Ion 65.00 (64.70 to 65.70): BGC



#25

Isophorone

Concen: 0.010 ng

RT: 10.70 min Scan# 1261

Delta R.T. -0.01 min

Lab File: BG032764.D

Acq: 21 Feb 2018 17:48

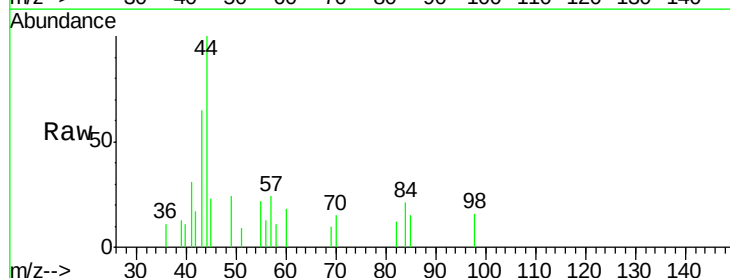
Tgt Ion: 82 Resp: 118

Ion Ratio Lower Upper

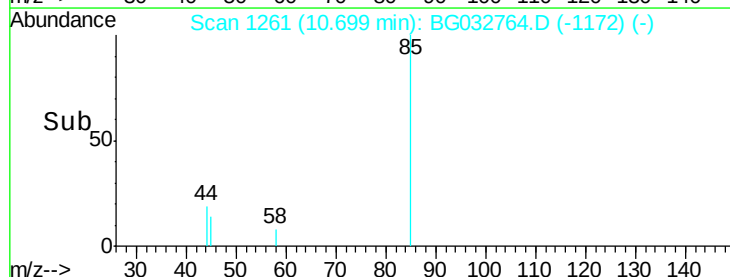
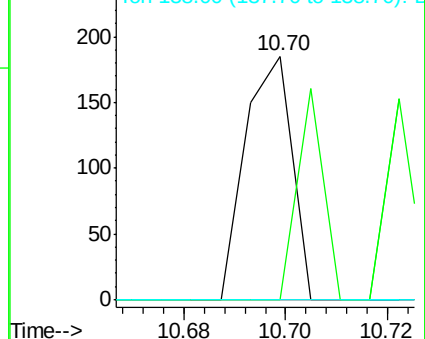
82 100

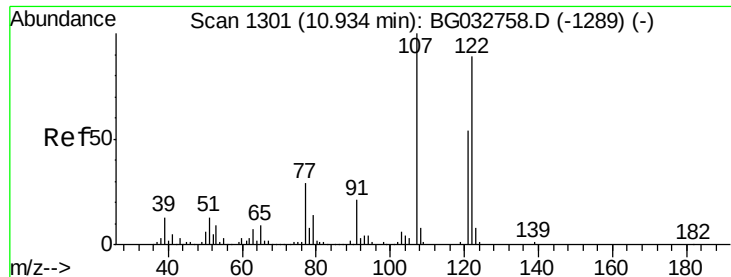
95 0.0 6.2 9.2#

138 0.0 12.1 18.1#



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

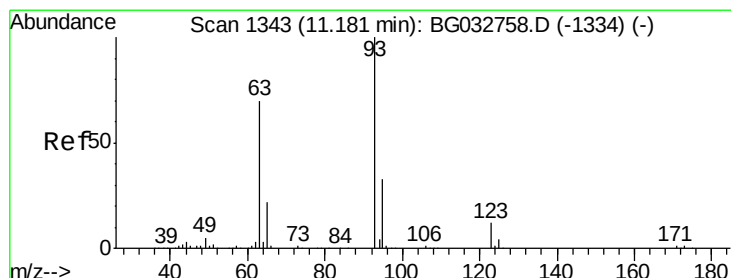
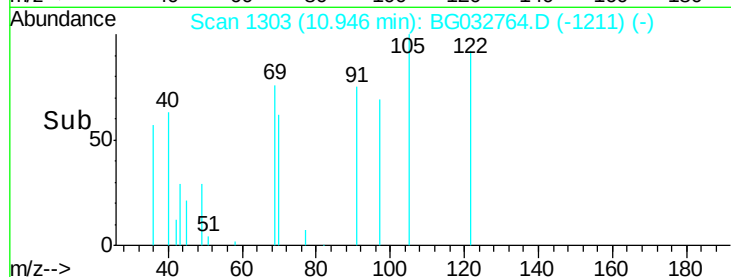
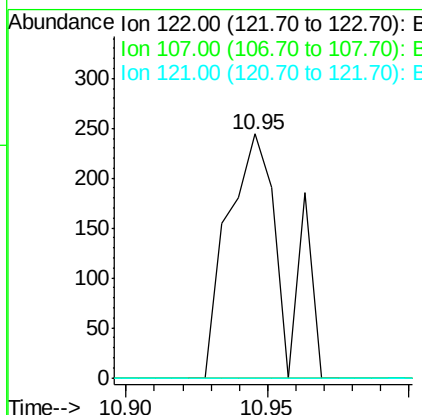
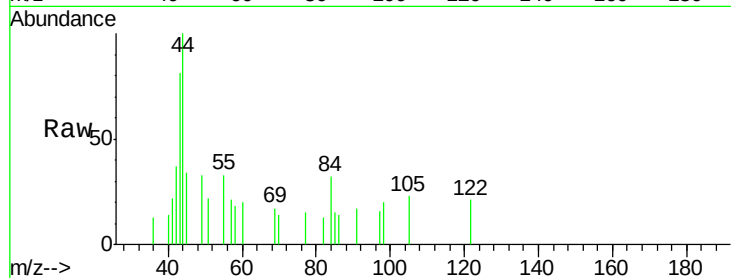




#27  
 2,4-Dimethylphenol  
 Concen: 0.068 ng  
 RT: 10.95 min Scan# 1303  
 Delta R.T. 0.01 min  
 Lab File: BG032764.D  
 Acq: 21 Feb 2018 17:48

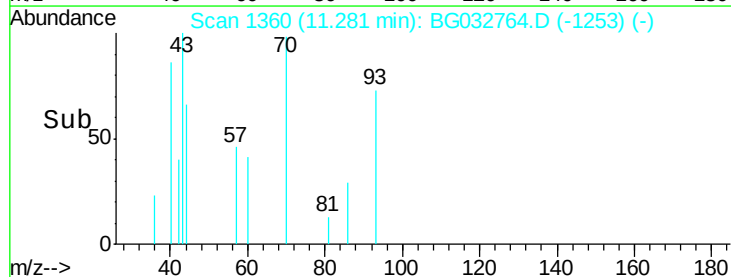
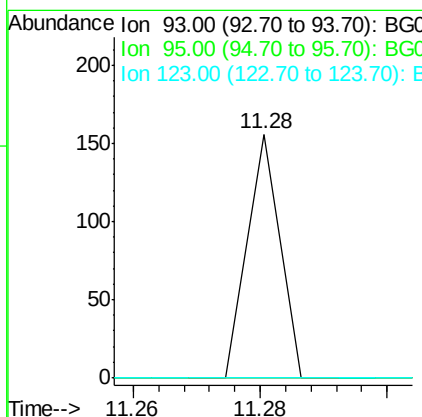
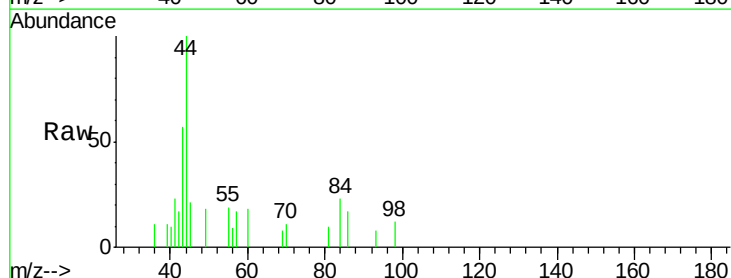
Instrument :  
 BNA\_G  
 ClientSampleId :  
 AU-05-022018-B

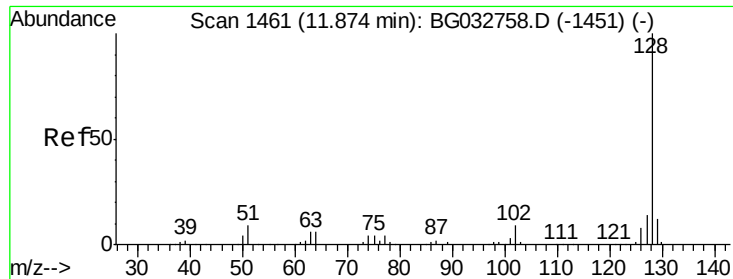
Tot Ion:122 Resp: 336  
 Ion Ratio Lower Upper  
 122 100  
 107 0.0 100.2 150.2#  
 121 0.0 44.4 66.6#



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 0.008 ng  
 RT: 11.28 min Scan# 1360  
 Delta R.T. 0.10 min  
 Lab File: BG032764.D  
 Acq: 21 Feb 2018 17:48

Tgt Ion: 93 Resp: 55  
 Ion Ratio Lower Upper  
 93 100  
 95 0.0 24.3 36.5#  
 123 0.0 8.4 12.6#

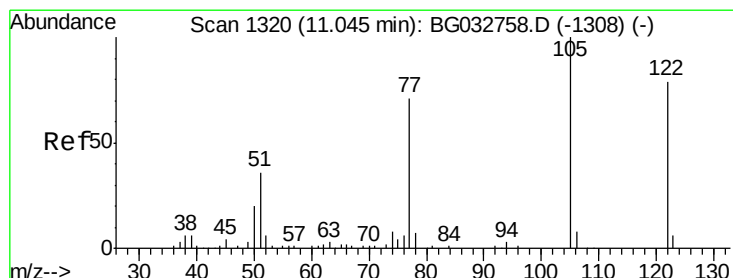
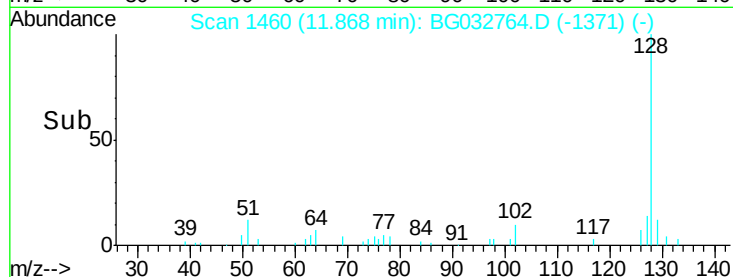
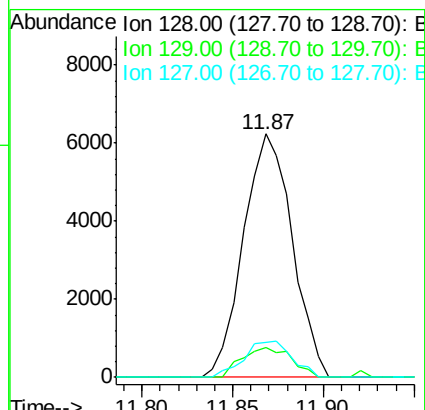
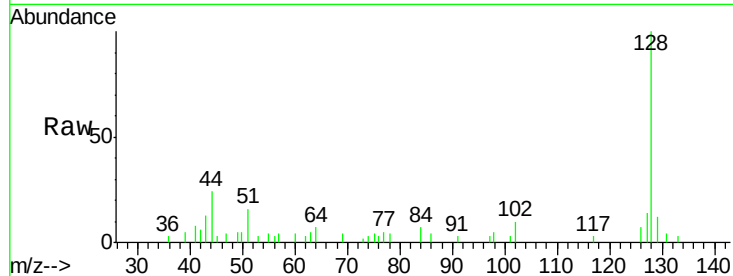




#31  
Naphthalene  
Concen: 0.692 ng  
RT: 11.87 min Scan# 1460  
Delta R.T. -0.01 min  
Lab File: BG032764.D  
Acq: 21 Feb 2018 17:48

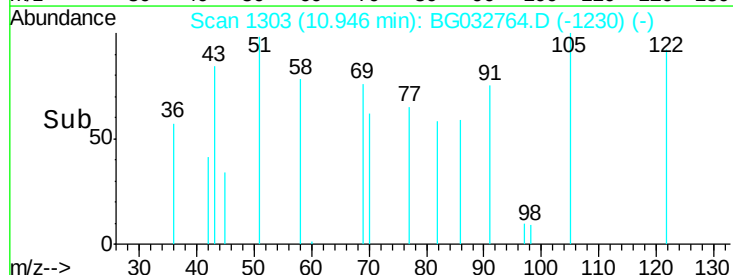
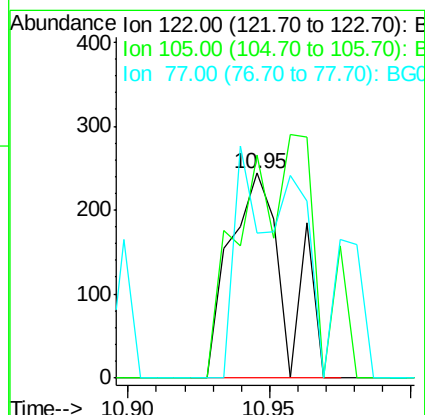
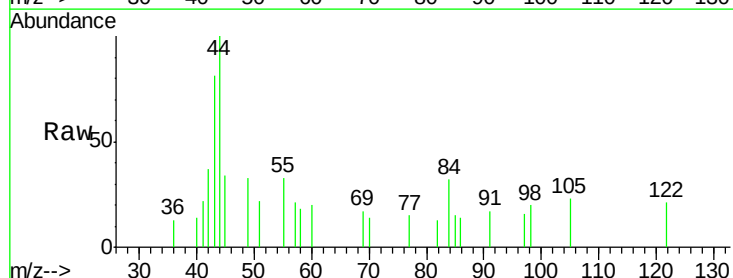
Instrument :  
BNA\_G  
ClientSampleId :  
AU-05-022018-B

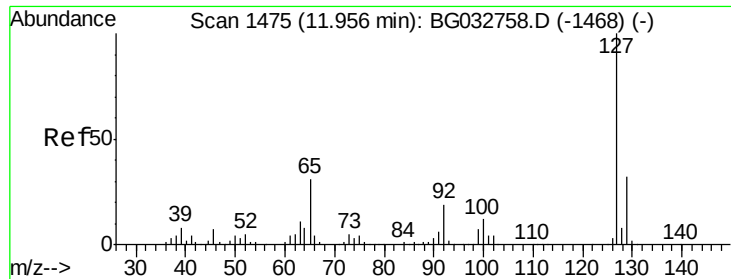
Tot Ion:128 Resp: 11625  
Ion Ratio Lower Upper  
128 100  
129 12.5 8.6 12.8  
127 14.5 11.6 17.4



#32  
Benzoic acid  
Concen: 5.949 ng  
RT: 10.95 min Scan# 1303  
Delta R.T. -0.10 min  
Lab File: BG032764.D  
Acq: 21 Feb 2018 17:48

Tgt Ion:122 Resp: 336  
Ion Ratio Lower Upper  
122 100  
105 108.6 123.5 163.5#  
77 70.9 85.7 125.7#

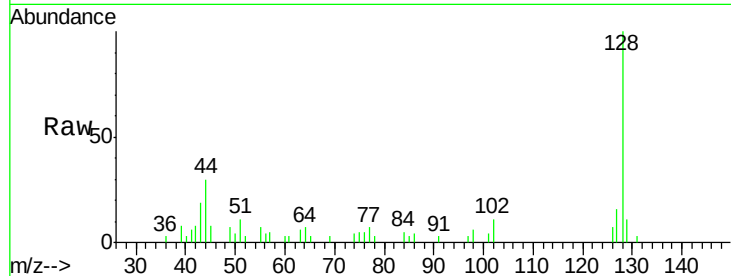




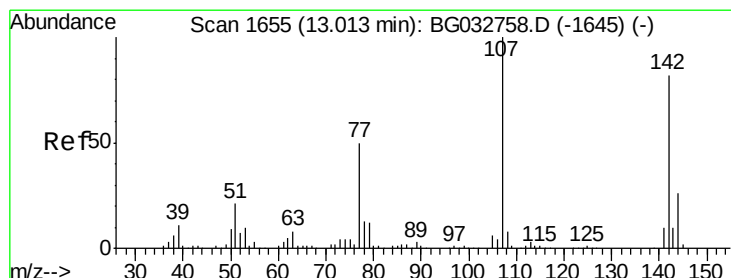
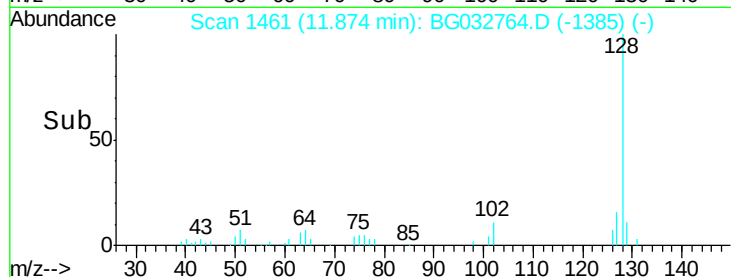
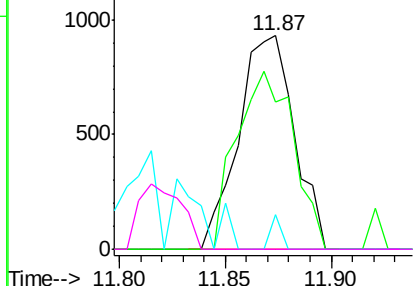
#33  
4-Chloroaniline  
Concen: 0.228 ng  
RT: 11.87 min Scan# 1461  
Delta R.T. -0.08 min  
Lab File: BG032764.D  
Acq: 21 Feb 2018 17:48

Instrument :  
BNA\_G  
ClientSampleId :  
AU-05-022018-B

Tot Ion:127 Resp: 1710  
Ion Ratio Lower Upper  
127 100  
129 68.7 24.0 36.0#  
65 16.2 27.0 40.4#  
92 0.0 16.6 25.0#

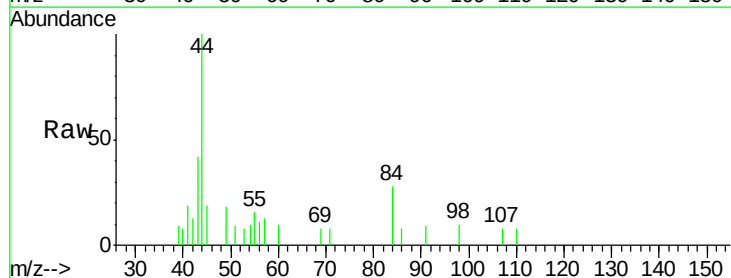


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BG  
Ion 92.00 (91.70 to 92.70): BG

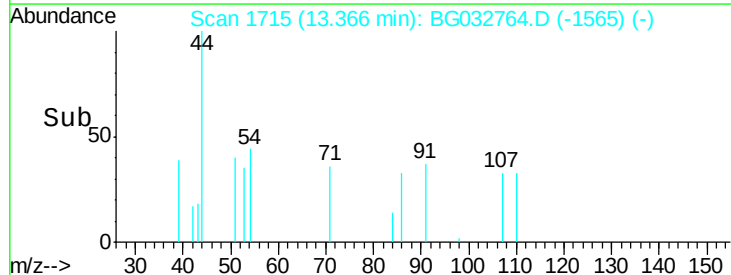
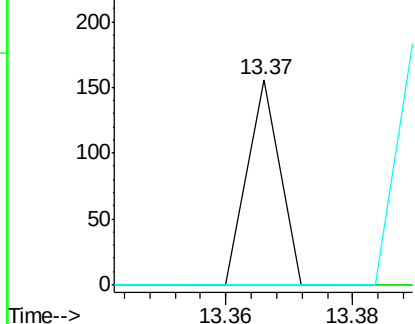


#36  
4-Chloro-3-methylphenol  
Concen: 0.011 ng  
RT: 13.37 min Scan# 1715  
Delta R.T. 0.35 min  
Lab File: BG032764.D  
Acq: 21 Feb 2018 17:48

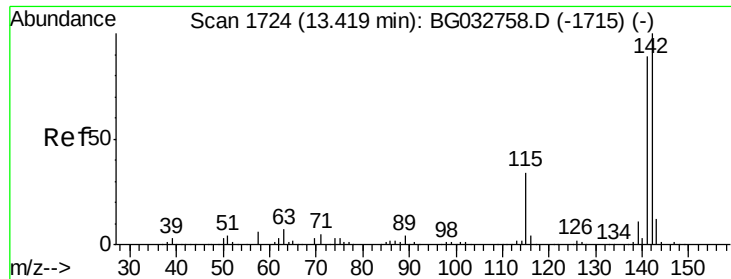
Tgt Ion:107 Resp: 55  
Ion Ratio Lower Upper  
107 100  
144 0.0 18.2 27.4#  
142 0.0 59.0 88.4#



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



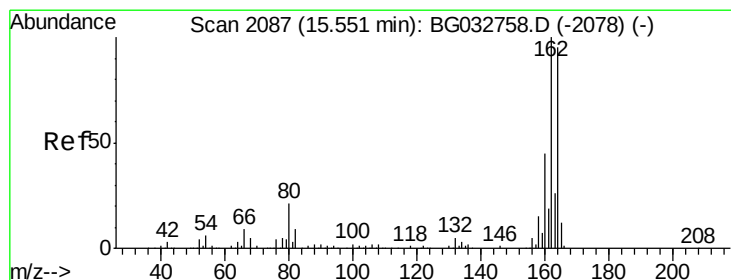
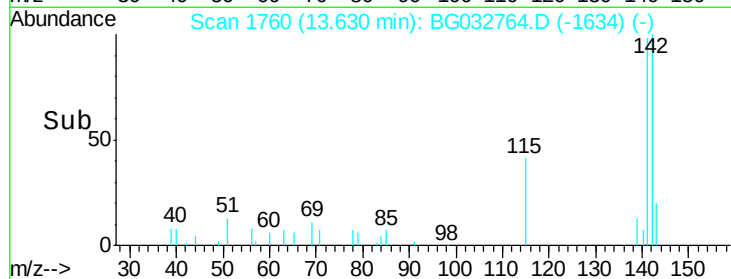
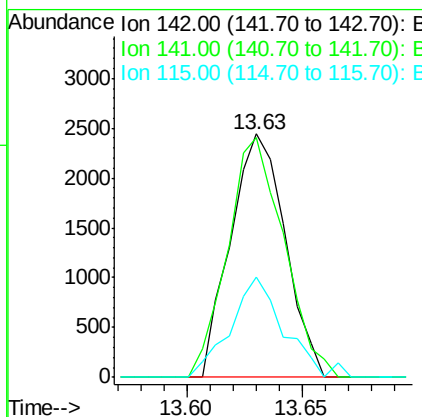
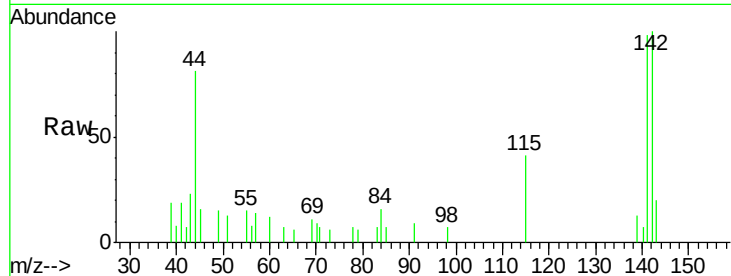




#37  
2-Methylnaphthalene  
Concen: 0.330 ng  
RT: 13.63 min Scan# 1760  
Delta R.T. 0.21 min  
Lab File: BG032764.D  
Acq: 21 Feb 2018 17:48

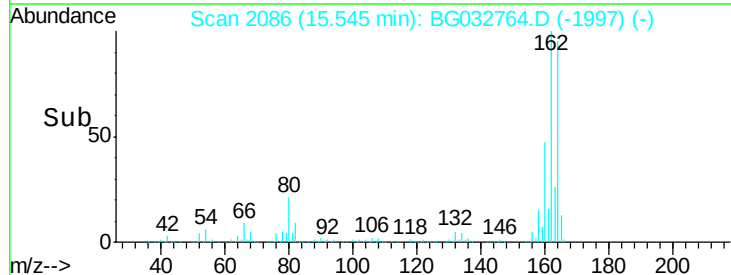
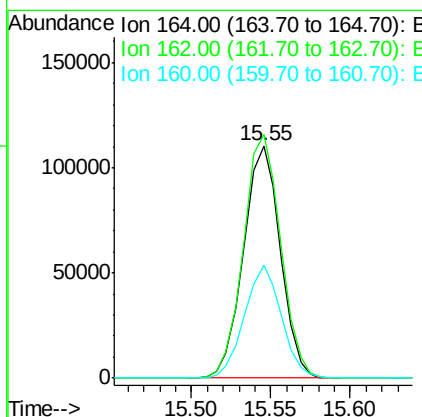
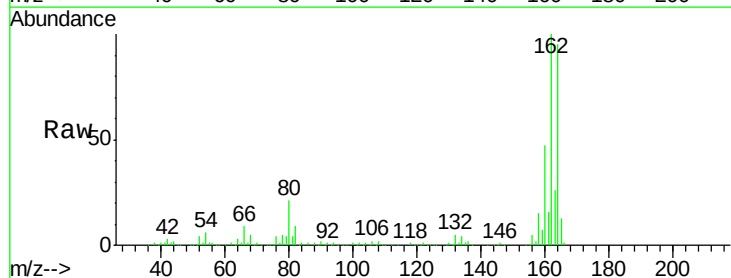
Instrument :  
BNA\_G  
ClientSampleId :  
AU-05-022018-B

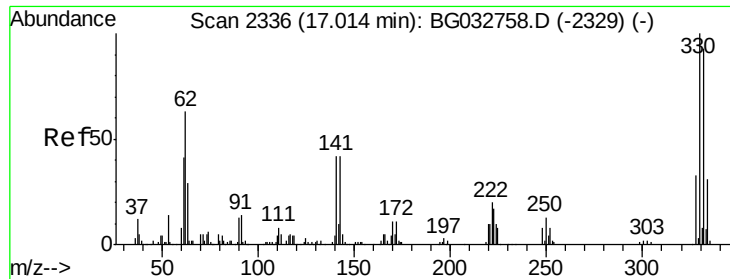
Tot Ion:142 Resp: 4014  
Ion Ratio Lower Upper  
142 100  
141 98.2 67.1 100.7  
115 40.9 30.7 46.1



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 15.55 min Scan# 2086  
Delta R.T. -0.01 min  
Lab File: BG032764.D  
Acq: 21 Feb 2018 17:48

Tgt Ion:164 Resp: 177846  
Ion Ratio Lower Upper  
164 100  
162 104.9 78.8 118.2  
160 49.0 35.4 53.0





#41

2,4,6-Tribromophenol

Concen: 159.620 ng

RT: 17.01 min Scan# 2336

Delta R.T. 0.00 min

Lab File: BG032764.D

Acq: 21 Feb 2018 17:48

Instrument :

BNA\_G

ClientSampleId :

AU-05-022018-B

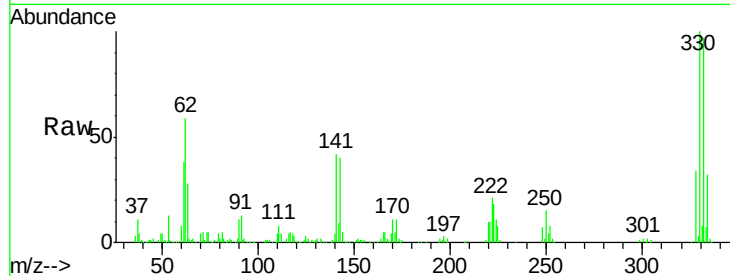
Tot Ion:330 Resp: 298487

Ion Ratio Lower Upper

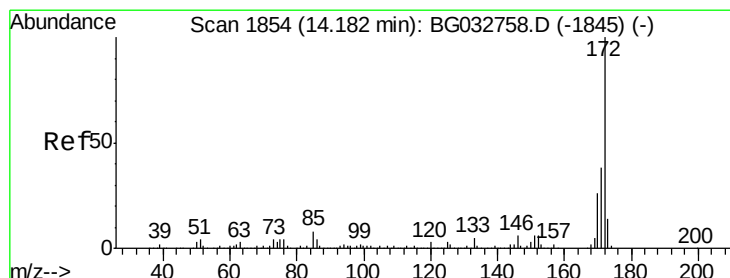
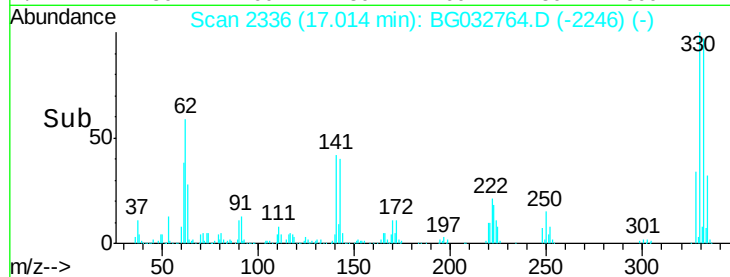
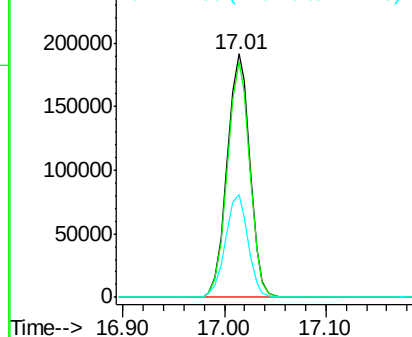
330 100

332 95.6 77.0 115.6

141 41.9 25.2 37.8#



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



#44

2-Fluorobiphenyl

Concen: 89.837 ng

RT: 14.18 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BG032764.D

Acq: 21 Feb 2018 17:48

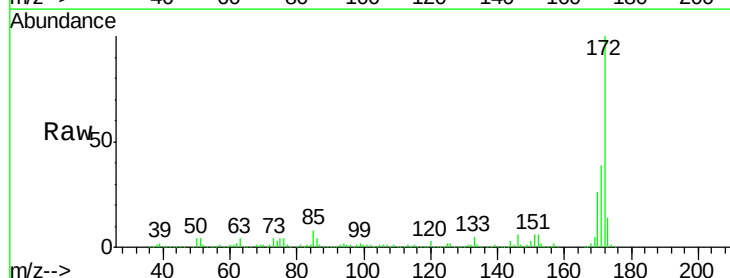
Tgt Ion:172 Resp: 1107795

Ion Ratio Lower Upper

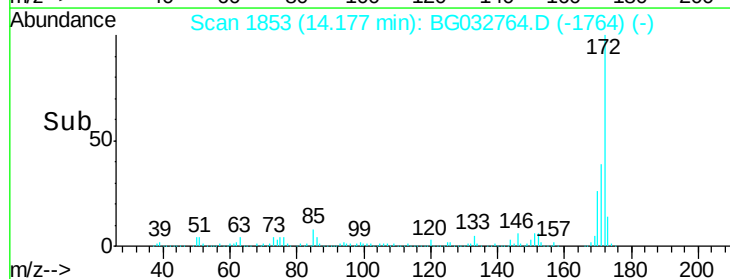
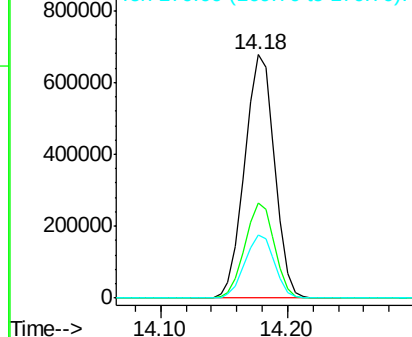
172 100

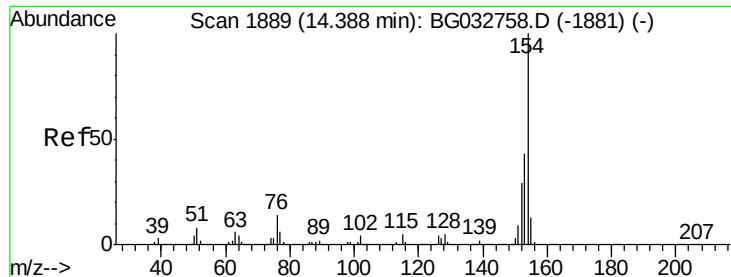
171 39.0 30.0 45.0

170 26.1 19.5 29.3



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





#45

1,1'-Biphenyl

Concen: 0.223 ng

RT: 14.39 min Scan# 1889

Delta R.T. 0.00 min

Lab File: BG032764.D

Acq: 21 Feb 2018 17:48

Instrument :

BNA\_G

ClientSampleId :

AU-05-022018-B

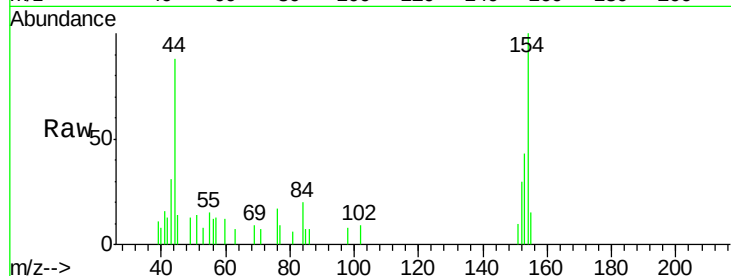
Tot Ion:154 Resp: 3465

Ion Ratio Lower Upper

154 100

153 42.7 19.8 59.8

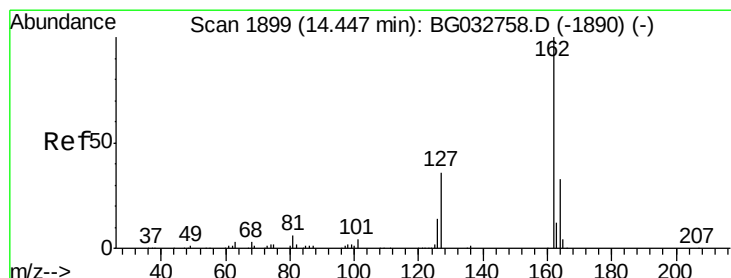
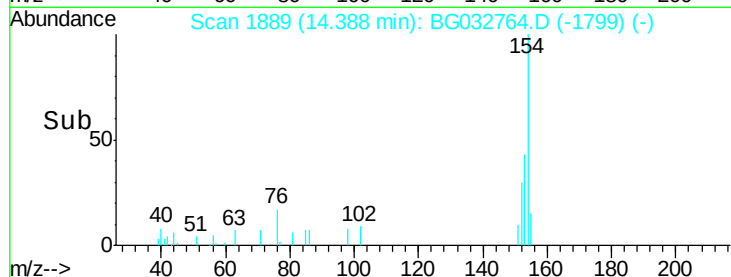
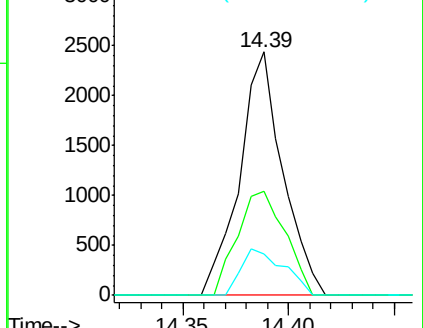
76 16.8 0.0 31.9



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BGC



#46

2-Chloronaphthalene

Concen: 0.005 ng

RT: 14.72 min Scan# 1946

Delta R.T. 0.28 min

Lab File: BG032764.D

Acq: 21 Feb 2018 17:48

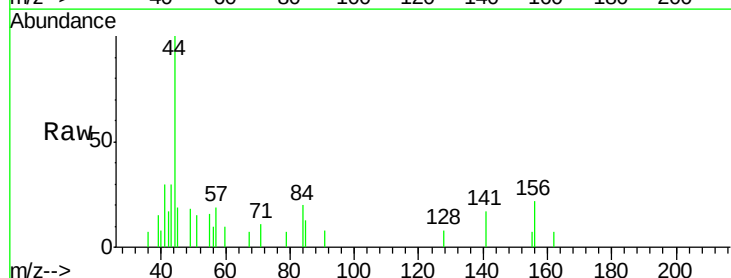
Tgt Ion:162 Resp: 53

Ion Ratio Lower Upper

162 100

127 0.0 30.7 46.1#

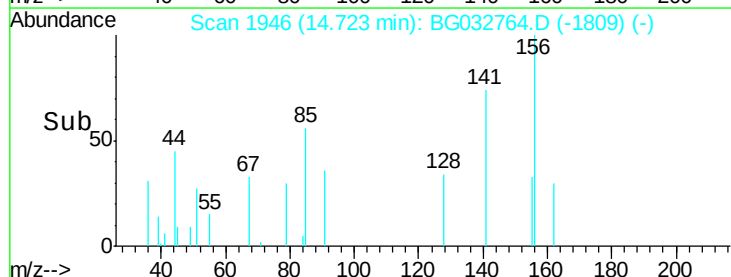
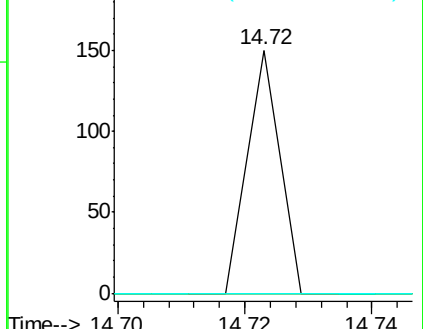
164 0.0 26.0 39.0#

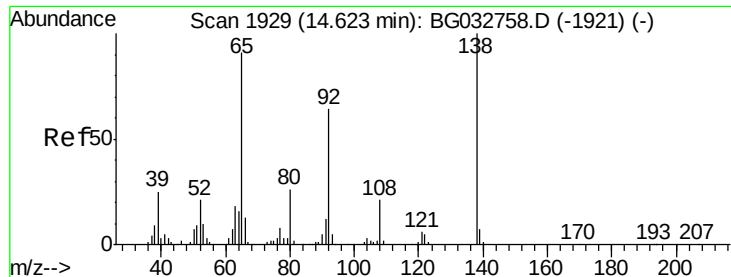


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 9.868 ng

RT: 14.71 min Scan# 1943

Delta R.T. 0.08 min

Lab File: BG032764.D

Acq: 21 Feb 2018 17:48

Instrument :

BNA\_G

ClientSampleId :

AU-05-022018-B

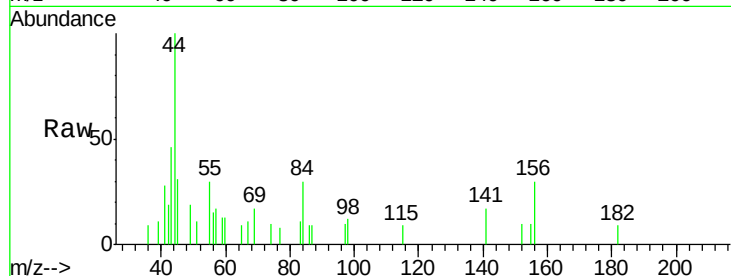
Tot Ion: 65 Resp: 119

Ion Ratio Lower Upper

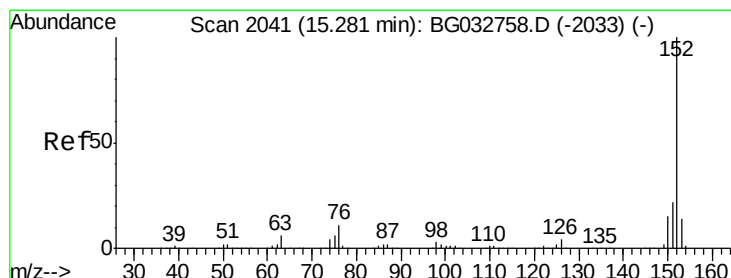
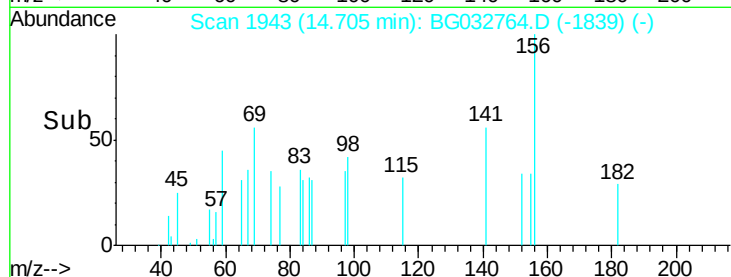
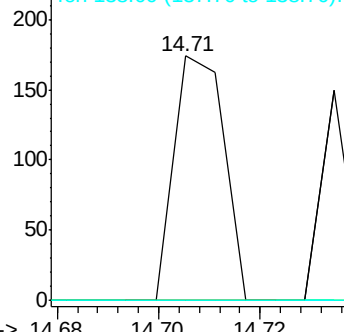
65 100

92 0.0 54.6 82.0#

138 0.0 72.9 109.3#



Abundance Ion 65.00 (64.70 to 65.70): BGC  
Ion 92.00 (91.70 to 92.70): BGC  
Ion 138.00 (137.70 to 138.70): BGC



#48

Acenaphthylene

Concen: 0.031 ng

RT: 15.28 min Scan# 2041

Delta R.T. 0.00 min

Lab File: BG032764.D

Acq: 21 Feb 2018 17:48

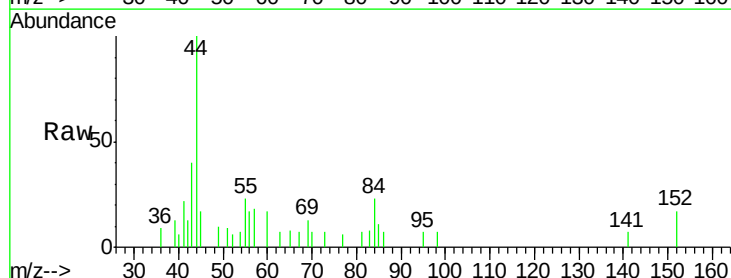
Tgt Ion: 152 Resp: 591

Ion Ratio Lower Upper

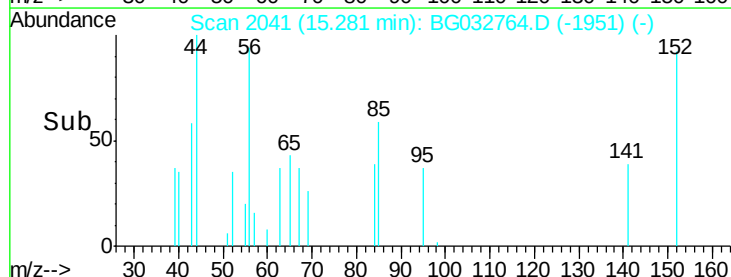
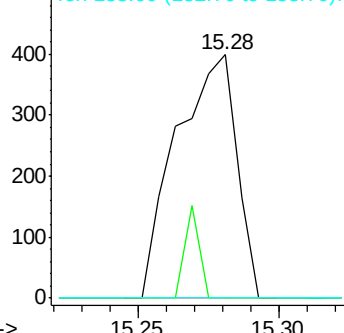
152 100

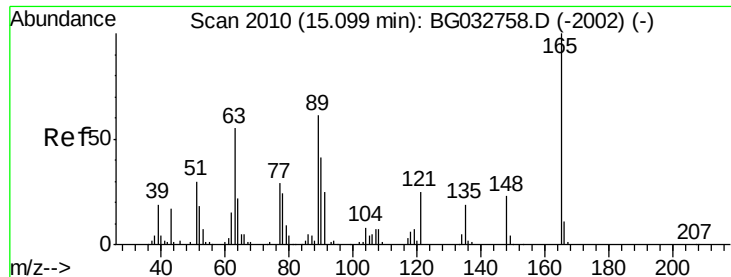
151 0.0 17.2 25.8#

153 0.0 10.2 15.4#



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





#50

2,6-Dinitrotoluene

Concen: 16.537 ng

RT: 15.55 min Scan# 2086

Delta R.T. 0.45 min

Lab File: BG032764.D

Acq: 21 Feb 2018 17:48

Instrument :

BNA\_G

ClientSampleId :

AU-05-022018-B

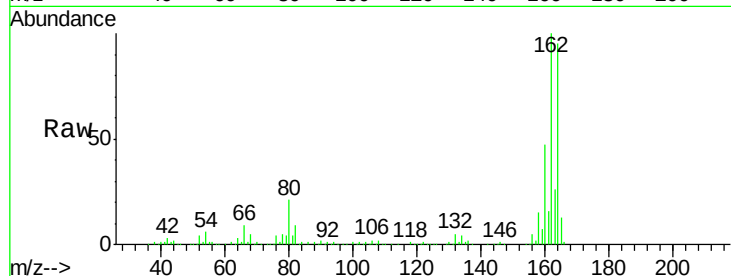
Tot Ion:165 Resp: 23439

Ion Ratio Lower Upper

165 100

63 1.5 52.7 79.1#

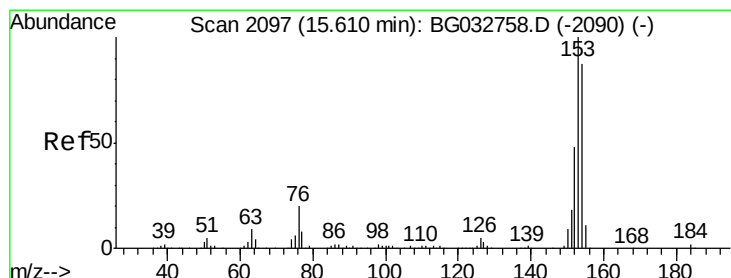
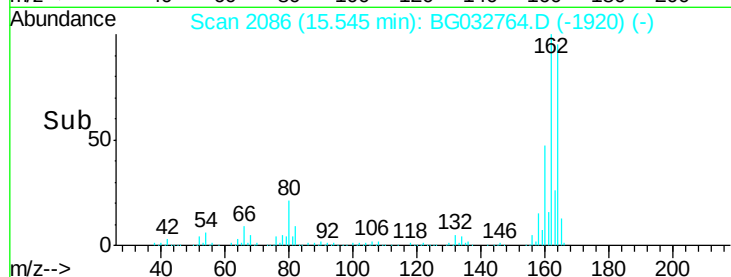
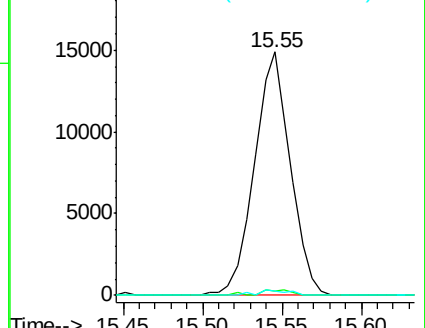
89 1.9 49.2 73.8#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



#51

Acenaphthene

Concen: 0.041 ng

RT: 15.61 min Scan# 2097

Delta R.T. 0.00 min

Lab File: BG032764.D

Acq: 21 Feb 2018 17:48

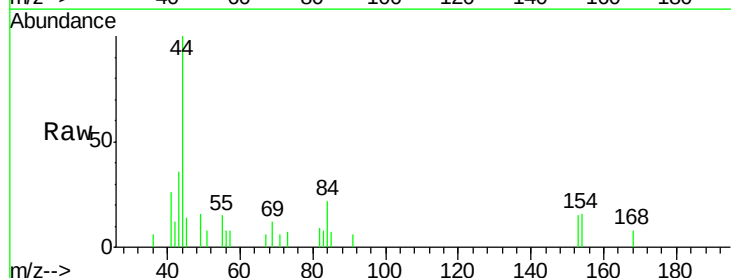
Tgt Ion:154 Resp: 483

Ion Ratio Lower Upper

154 100

153 96.6 90.4 135.6

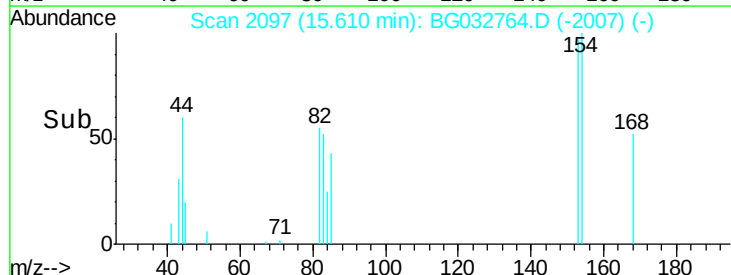
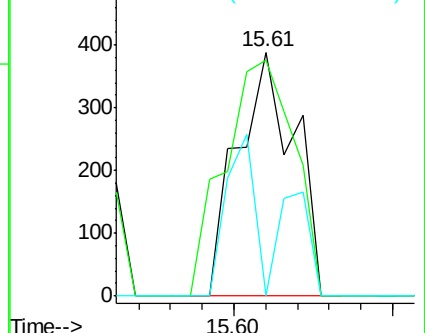
152 0.0 41.6 62.4#

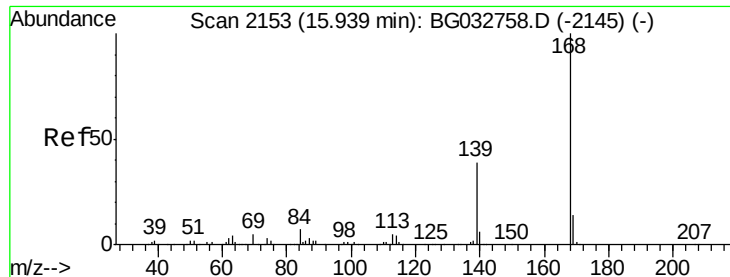


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#54

Dibenzofuran

Concen: 0.073 ng

RT: 15.93 min Scan# 2152

Delta R.T. -0.01 min

Lab File: BG032764.D

Acq: 21 Feb 2018 17:48

Instrument :

BNA\_G

ClientSampleId :

AU-05-022018-B

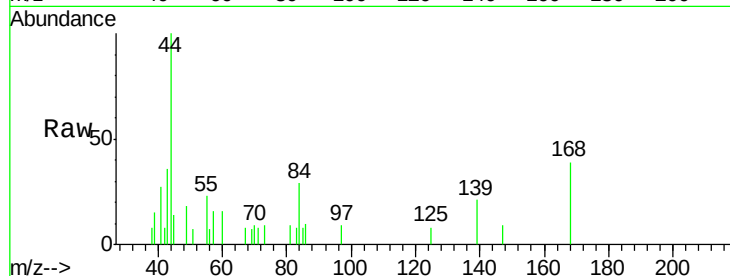
Tot Ion:168 Resp: 1236

Ion Ratio Lower Upper

168 100

139 53.2 28.6 43.0#

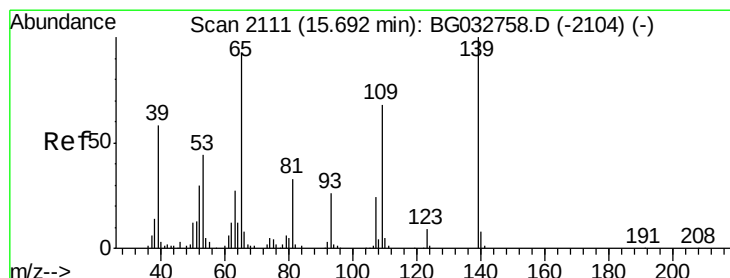
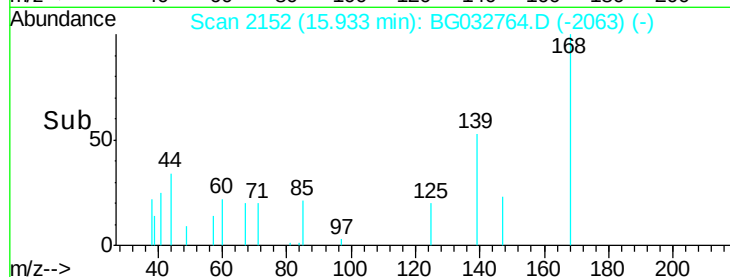
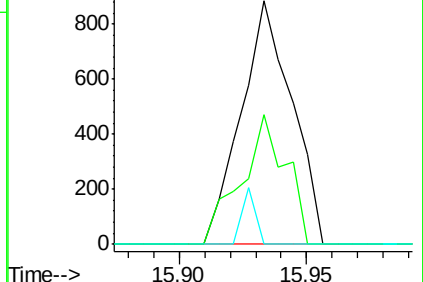
169 0.0 11.2 16.8#



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: 7.294 ng

RT: 15.93 min Scan# 2152

Delta R.T. 0.24 min

Lab File: BG032764.D

Acq: 21 Feb 2018 17:48

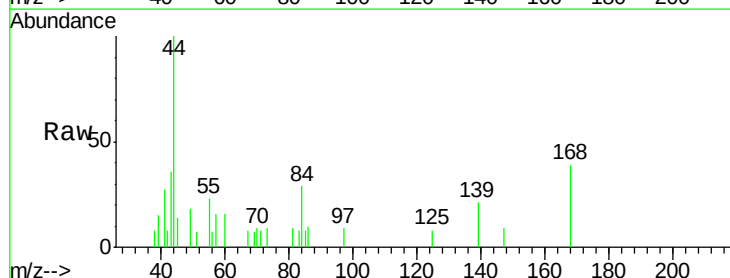
Tgt Ion:139 Resp: 578

Ion Ratio Lower Upper

139 100

109 0.0 62.2 102.2#

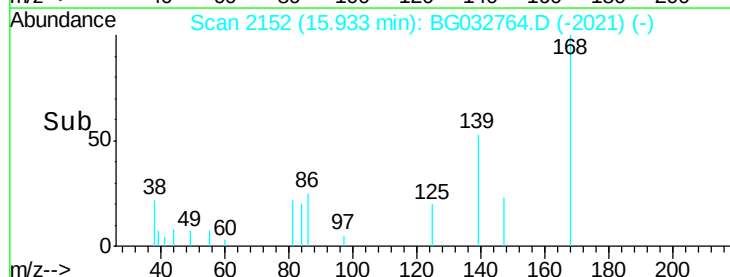
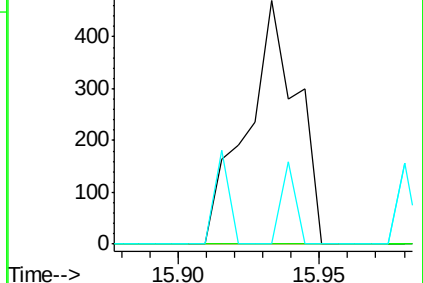
65 0.0 97.2 137.2#

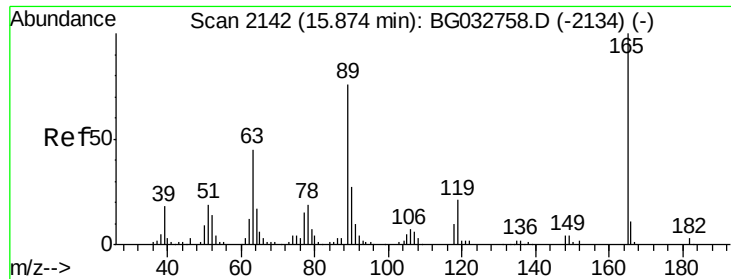


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC

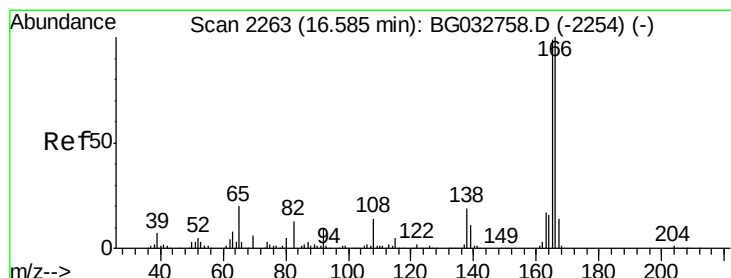
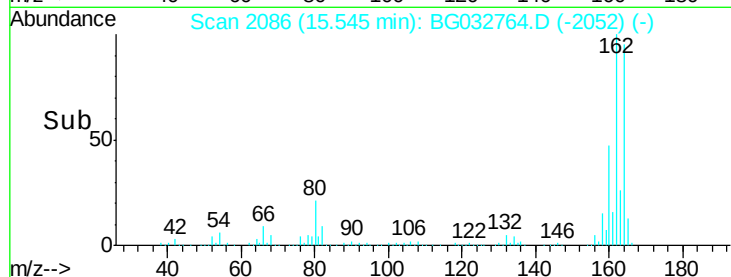
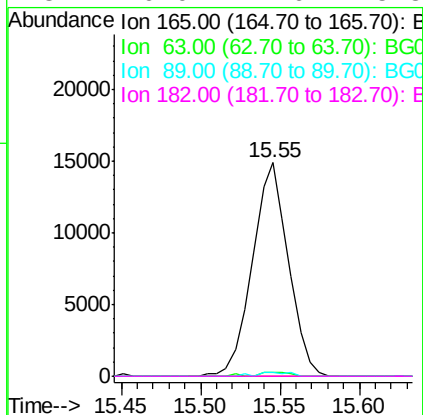
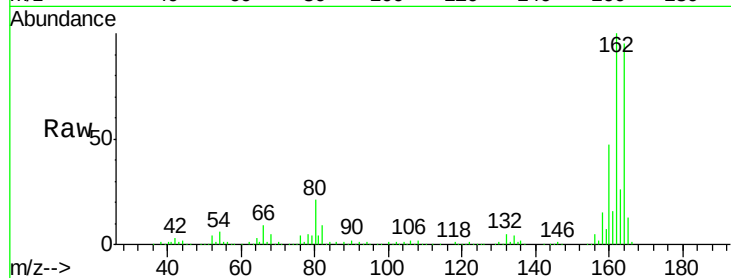




#56  
 2,4-Dinitrotoluene  
 Concen: 14.736 ng  
 RT: 15.55 min Scan# 2086  
 Delta R.T. -0.33 min  
 Lab File: BG032764.D  
 Acq: 21 Feb 2018 17:48

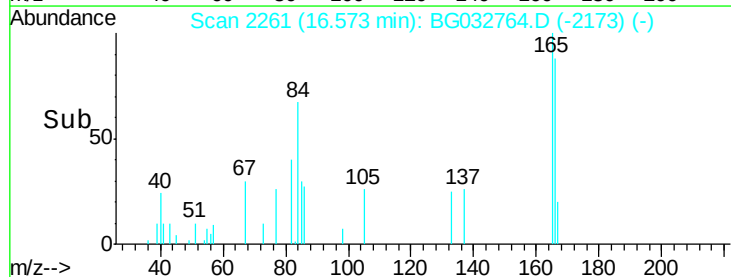
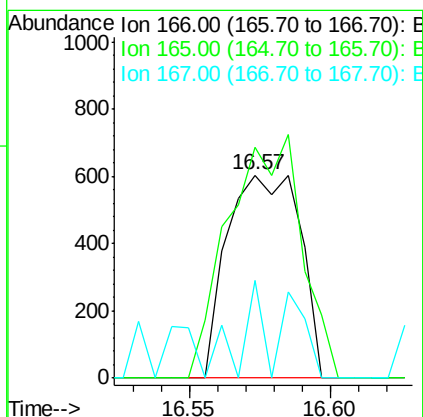
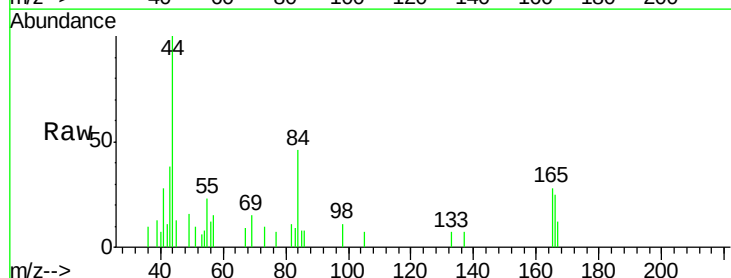
Instrument :  
 BNA\_G  
 ClientSampleId :  
 AU-05-022018-B

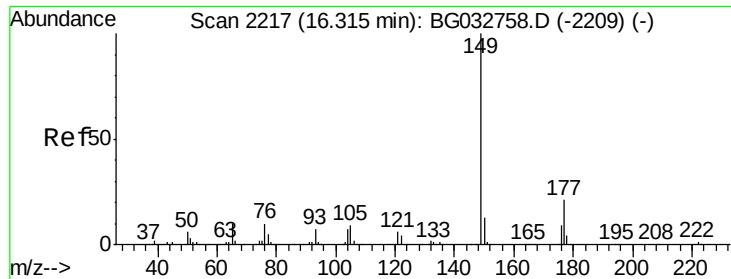
|             |       |        |
|-------------|-------|--------|
| Tot Ion:165 | Resp: | 23439  |
| Ion Ratio   | Lower | Upper  |
| 165 100     |       |        |
| 63 1.5      | 42.0  | 63.0#  |
| 89 1.9      | 66.9  | 100.3# |
| 182 0.0     | 2.6   | 3.8#   |



#57  
 Fluorene  
 Concen: 0.077 ng  
 RT: 16.57 min Scan# 2261  
 Delta R.T. -0.01 min  
 Lab File: BG032764.D  
 Acq: 21 Feb 2018 17:48

|     |         |       |       |
|-----|---------|-------|-------|
| Tgt | Ion:166 | Resp: | 1077  |
| Ion | Ratio   | Lower | Upper |
| 166 | 100     |       |       |
| 165 | 113.7   | 80.6  | 121.0 |
| 167 | 48.3    | 10.4  | 15.6# |

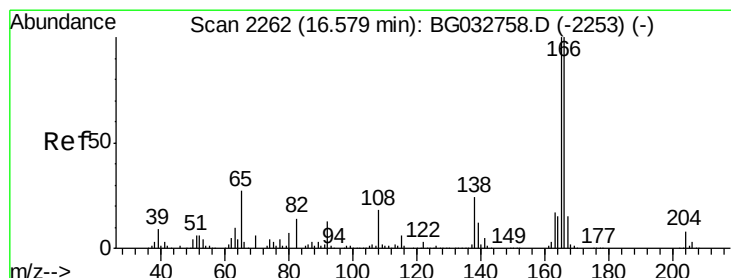
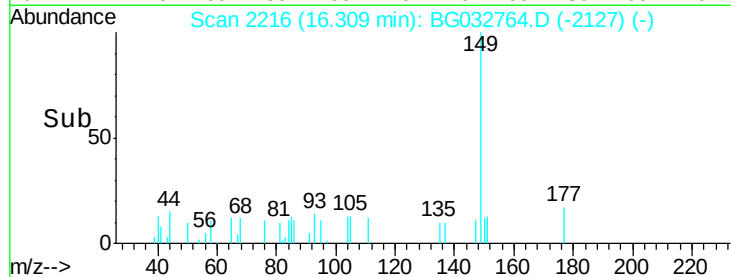
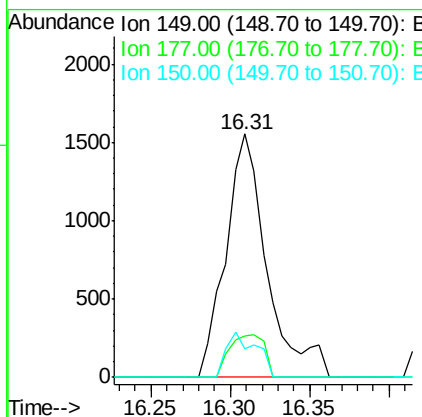
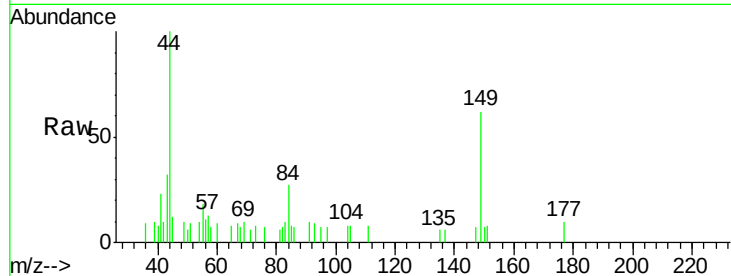




#59  
Diethylphthalate  
Concen: 0.176 ng  
RT: 16.31 min Scan# 2216  
Delta R.T. -0.01 min  
Lab File: BG032764.D  
Acq: 21 Feb 2018 17:48

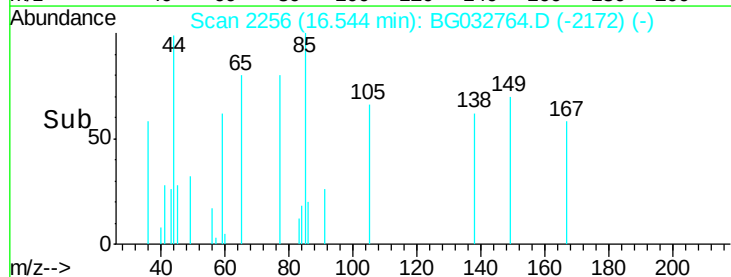
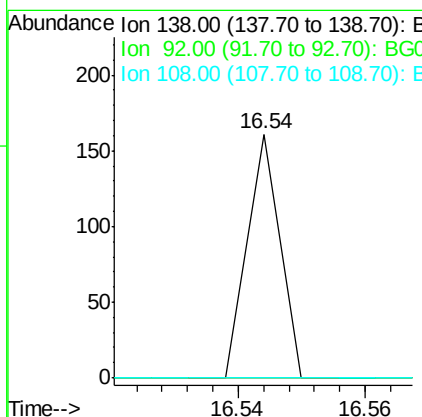
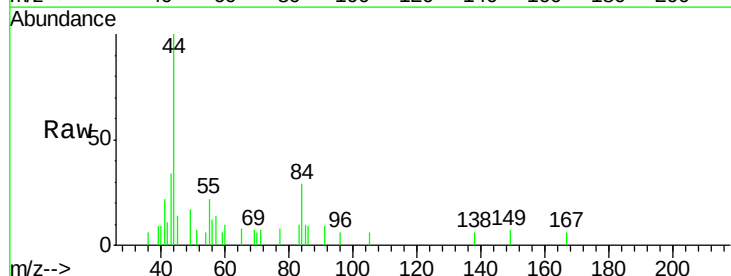
Instrument :  
BNA\_G  
ClientSampleId :  
AU-05-022018-B

Tot Ion:149 Resp: 2802  
Ion Ratio Lower Upper  
149 100  
177 17.0 18.5 27.7#  
150 11.5 10.2 15.2

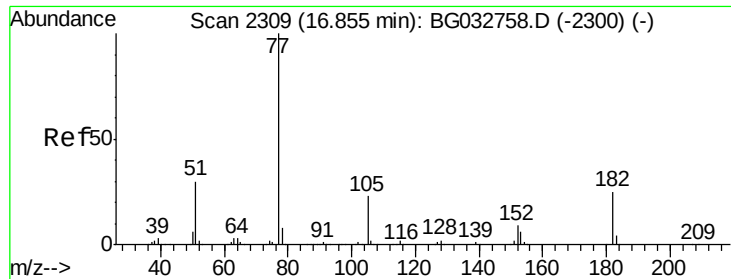


#61  
4-Nitroaniline  
Concen: 5.315 ng  
RT: 16.54 min Scan# 2256  
Delta R.T. -0.04 min  
Lab File: BG032764.D  
Acq: 21 Feb 2018 17:48

Tgt Ion:138 Resp: 57  
Ion Ratio Lower Upper  
138 100  
92 0.0 40.1 80.1#  
108 0.0 65.4 105.4#







#62

Azobenzene

Concen: 0.036 ng

RT: 16.86 min Scan# 2310

Delta R.T. 0.01 min

Lab File: BG032764.D

Acq: 21 Feb 2018 17:48

Instrument :

BNA\_G

ClientSampleId :

AU-05-022018-B

Tot Ion: 77 Resp: 512

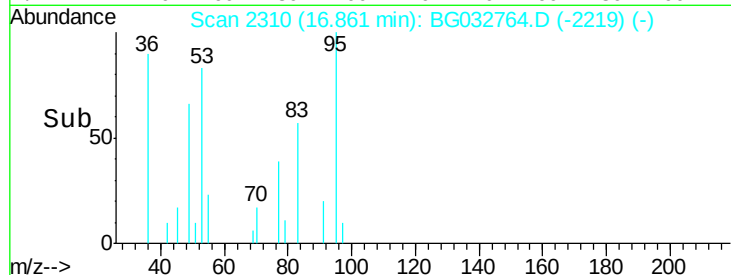
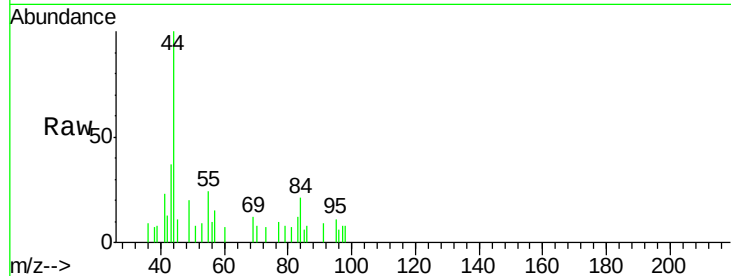
Ion Ratio Lower Upper

77 100

182 0.0 7.4 47.4#

105 0.0 0.3 40.3#

51 77.4 11.6 51.6#

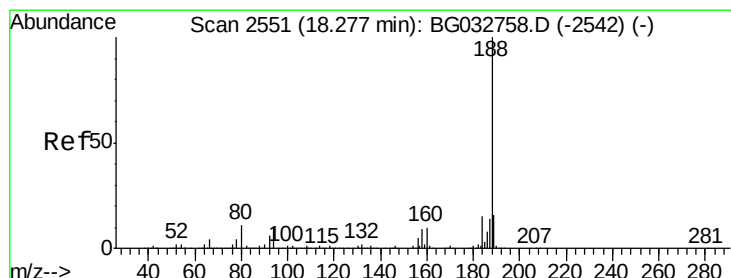
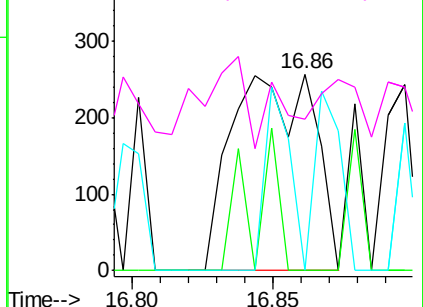


Abundance Ion 77.00 (76.70 to 77.70): BGC

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: 20.000 ng

RT: 18.27 min Scan# 2550

Delta R.T. -0.01 min

Lab File: BG032764.D

Acq: 21 Feb 2018 17:48

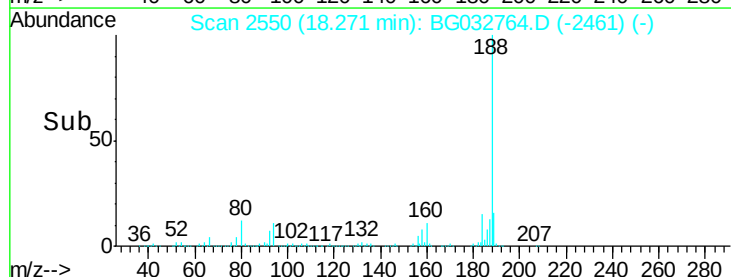
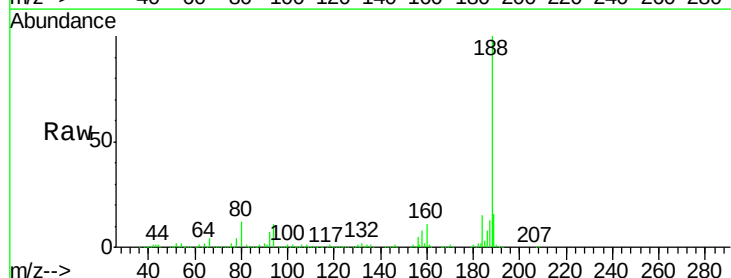
Tgt Ion: 188 Resp: 401794

Ion Ratio Lower Upper

188 100

94 10.8 6.9 10.3#

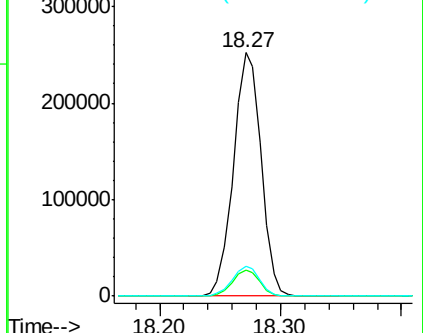
80 12.3 7.7 11.5#

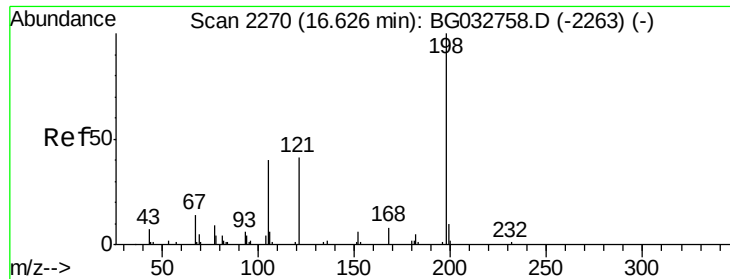


Abundance Ion 188.00 (187.70 to 188.70): BGC

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

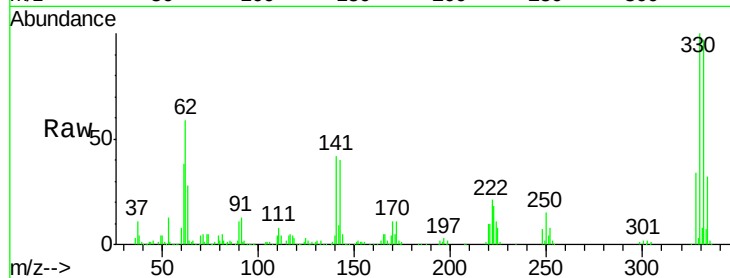




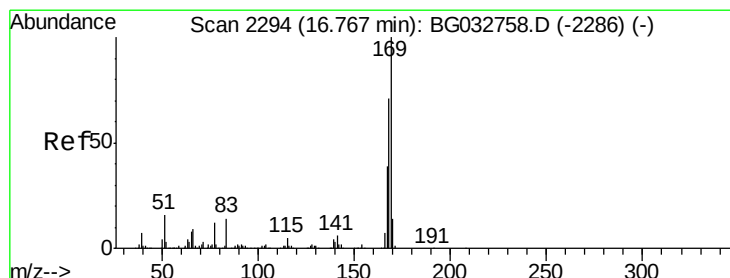
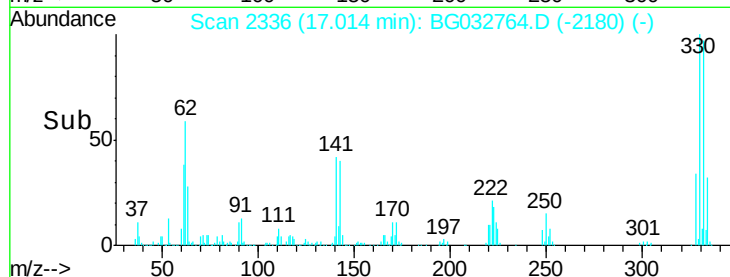
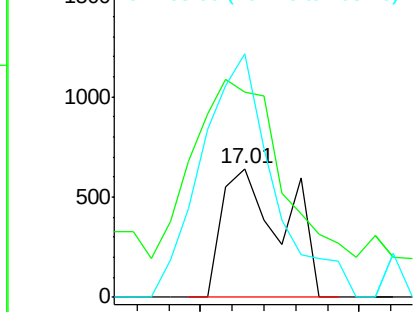
#64  
 4,6-Dinitro-2-methylphenol  
 Concen: 5.857 ng  
 RT: 17.01 min Scan# 2336  
 Delta R.T. 0.39 min  
 Lab File: BG032764.D  
 Acq: 21 Feb 2018 17:48

Instrument :  
 BNA\_G  
 ClientSampleId :  
 AU-05-022018-B

Tot Ion:198 Resp: 860  
 Ion Ratio Lower Upper  
 198 100  
 51 158.8 30.6 70.6#  
 105 188.8 23.8 63.8#

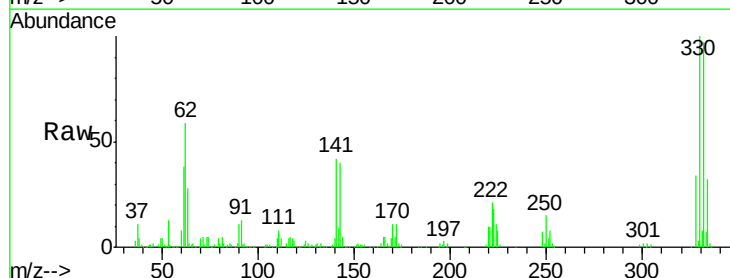


Abundance Ion 198.00 (197.70 to 198.70): E  
 Ion 51.00 (50.70 to 51.70): BG0  
 Ion 105.00 (104.70 to 105.70): E

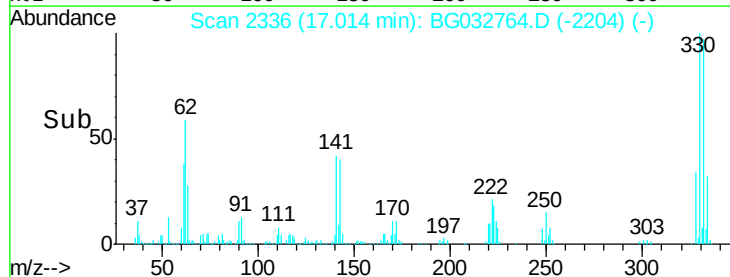
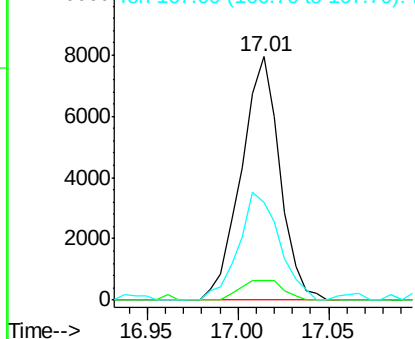


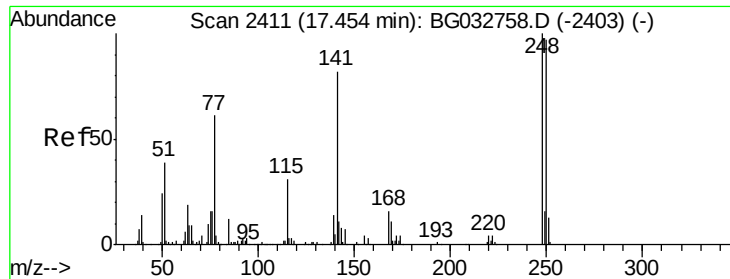
#65  
 n-Nitrosodiphenylamine  
 Concen: 0.897 ng  
 RT: 17.01 min Scan# 2336  
 Delta R.T. 0.25 min  
 Lab File: BG032764.D  
 Acq: 21 Feb 2018 17:48

Tgt Ion:169 Resp: 11729  
 Ion Ratio Lower Upper  
 169 100  
 168 7.8 55.7 83.5#  
 167 40.4 30.1 45.1



Abundance Ion 169.00 (168.70 to 169.70): E  
 Ion 168.00 (167.70 to 168.70): E  
 Ion 167.00 (166.70 to 167.70): E

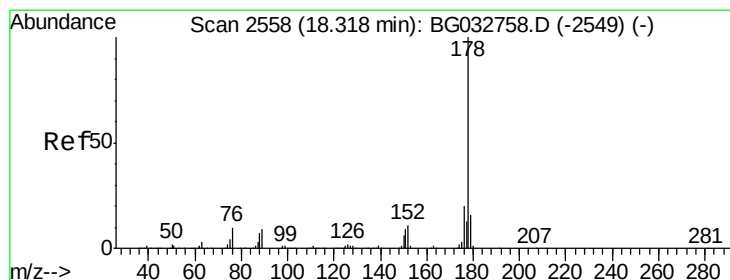
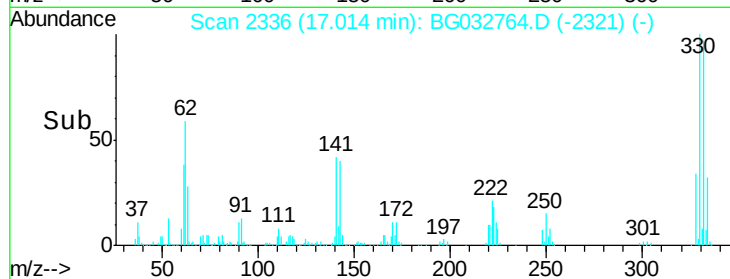
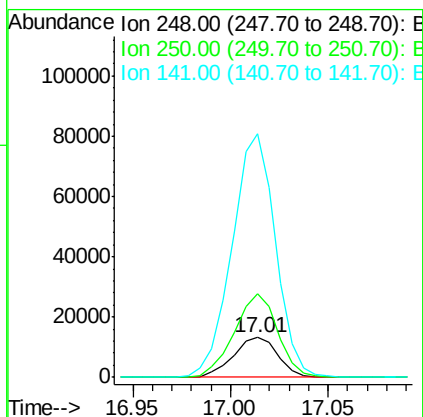
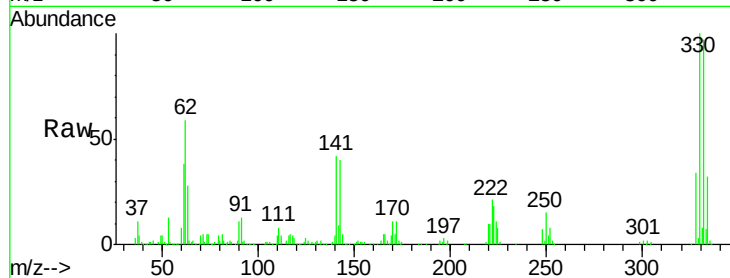




#66  
 4-Bromophenyl-phenylether  
 Concen: 4.928 ng  
 RT: 17.01 min Scan# 2336  
 Delta R.T. -0.44 min  
 Lab File: BG032764.D  
 Acq: 21 Feb 2018 17:48

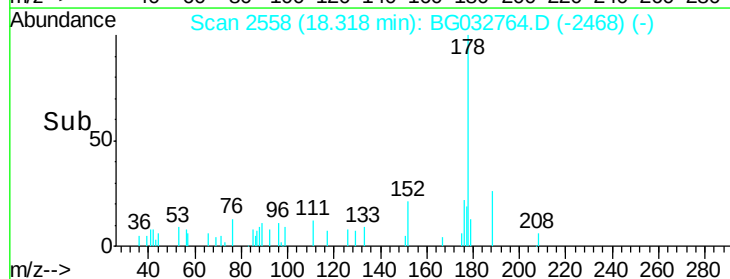
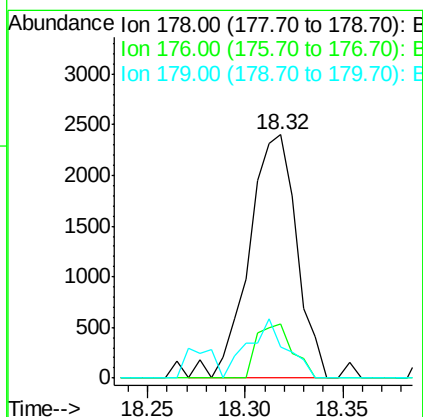
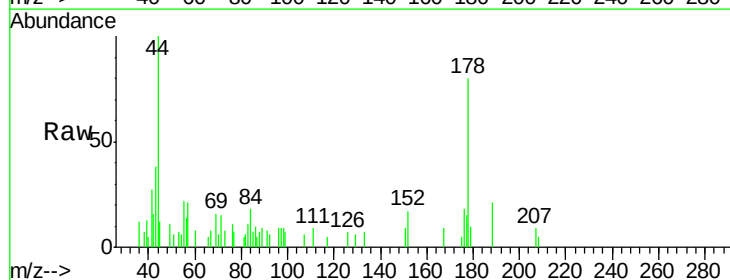
Instrument :  
 BNA\_G  
 ClientSampleId :  
 AU-05-022018-B

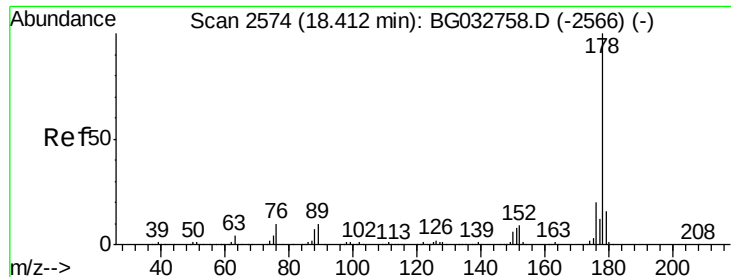
Tot Ion:248 Resp: 20938  
 Ion Ratio Lower Upper  
 248 100  
 250 212.4 77.1 115.7#  
 141 614.3 50.8 76.2#



#70  
 Phenanthrene  
 Concen: 0.181 ng  
 RT: 18.32 min Scan# 2558  
 Delta R.T. 0.00 min  
 Lab File: BG032764.D  
 Acq: 21 Feb 2018 17:48

Tgt Ion:178 Resp: 4058  
 Ion Ratio Lower Upper  
 178 100  
 176 22.1 15.7 23.5  
 179 12.7 12.5 18.7





#71

Anthracene

Concen: 0.180 ng

RT: 18.32 min Scan# 2558

Delta R.T. -0.09 min

Lab File: BG032764.D

Acq: 21 Feb 2018 17:48

Instrument :

BNA\_G

ClientSampleId :

AU-05-022018-B

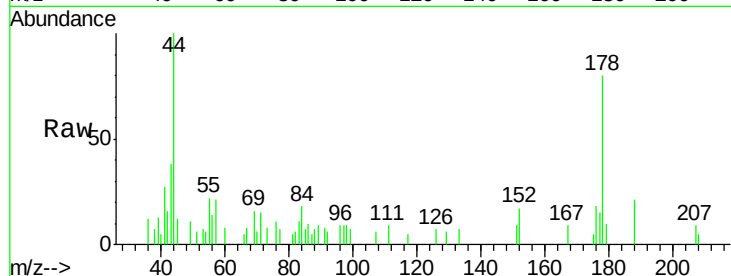
Tot Ion:178 Resp: 4058

Ion Ratio Lower Upper

178 100

176 22.1 16.0 24.0

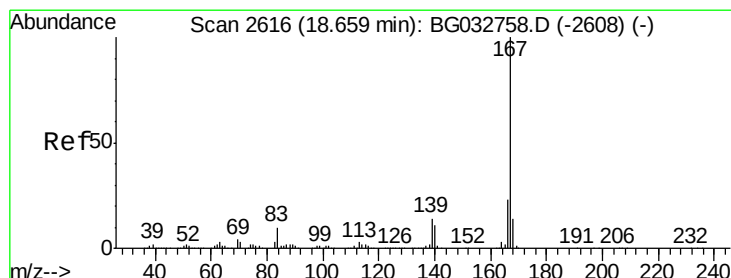
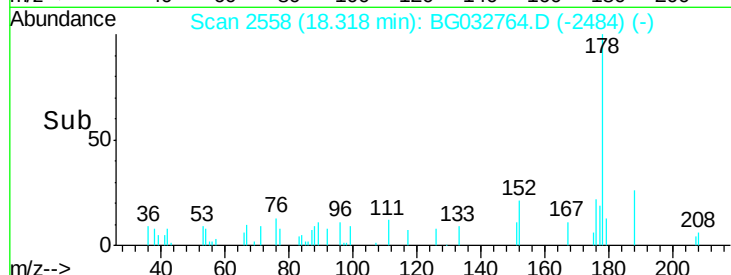
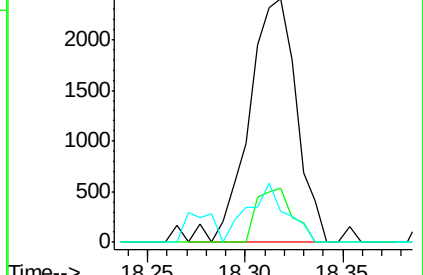
179 12.7 12.5 18.7



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 0.045 ng

RT: 18.66 min Scan# 2616

Delta R.T. 0.00 min

Lab File: BG032764.D

Acq: 21 Feb 2018 17:48

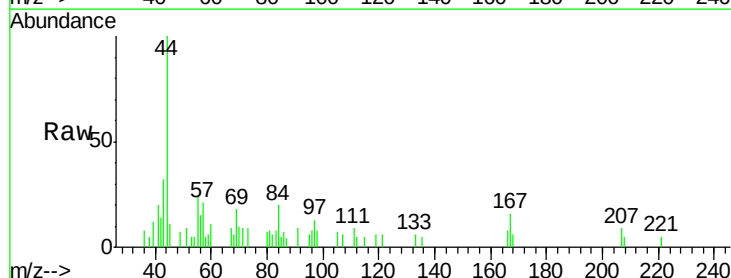
Tgt Ion:167 Resp: 995

Ion Ratio Lower Upper

167 100

166 46.2 18.2 27.4#

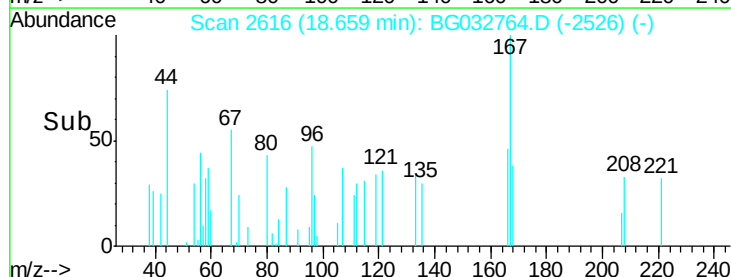
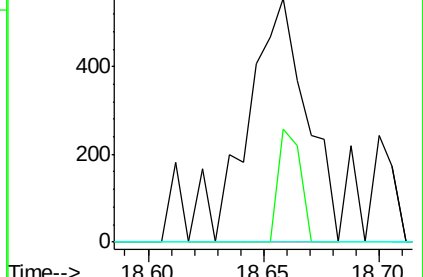
139 0.0 9.4 14.2#

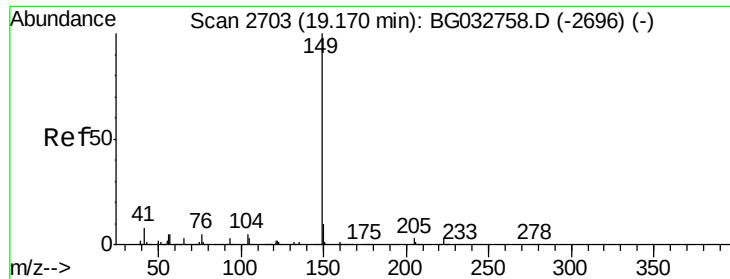


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 0.093 ng

RT: 19.16 min Scan# 2702

Delta R.T. -0.01 min

Lab File: BG032764.D

Acq: 21 Feb 2018 17:48

Instrument :

BNA\_G

ClientSampleId :

AU-05-022018-B

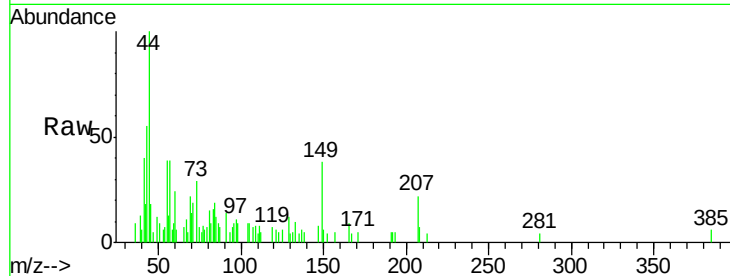
Tot Ion:149 Resp: 2523

Ion Ratio Lower Upper

149 100

150 14.8 7.8 11.6#

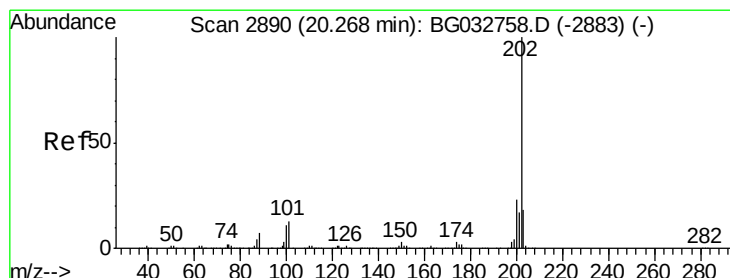
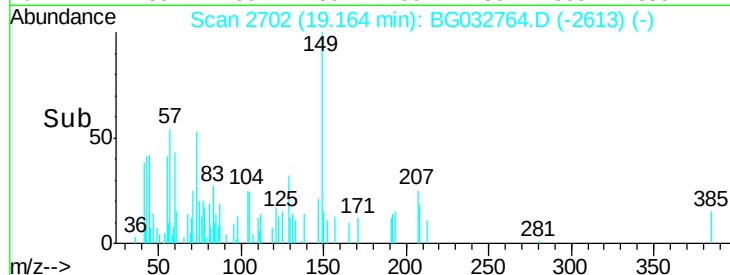
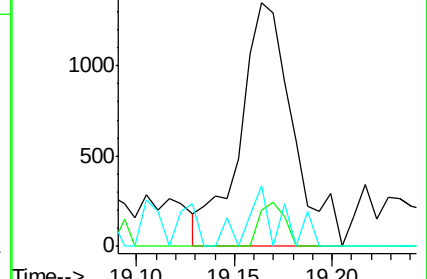
104 24.9 3.9 5.9#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 0.038 ng

RT: 20.26 min Scan# 2889

Delta R.T. -0.01 min

Lab File: BG032764.D

Acq: 21 Feb 2018 17:48

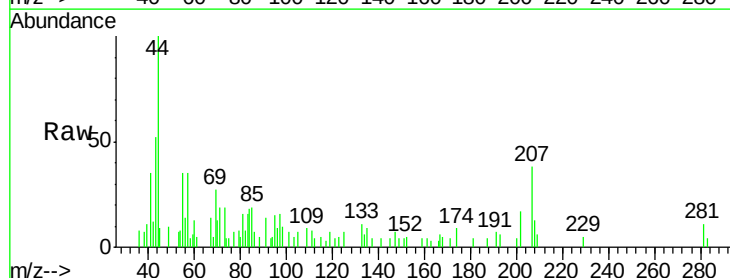
Tgt Ion:202 Resp: 947

Ion Ratio Lower Upper

202 100

101 39.9 0.0 28.9#

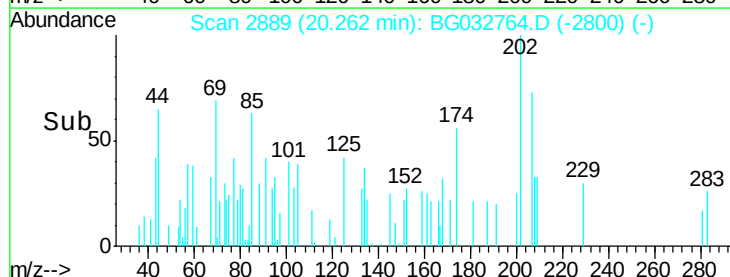
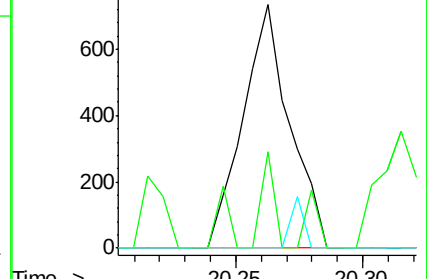
203 0.0 0.0 37.5

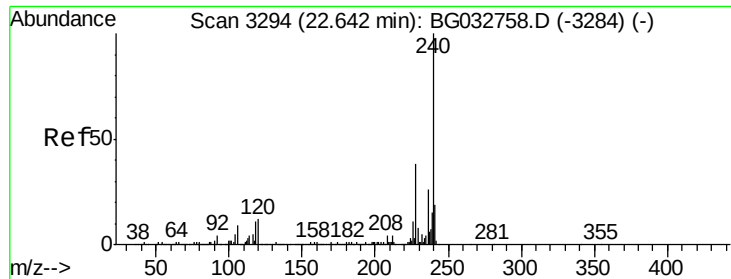


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.64 min Scan# 3293

Delta R.T. -0.01 min

Lab File: BG032764.D

Acq: 21 Feb 2018 17:48

Instrument :

BNA\_G

ClientSampleId :

AU-05-022018-B

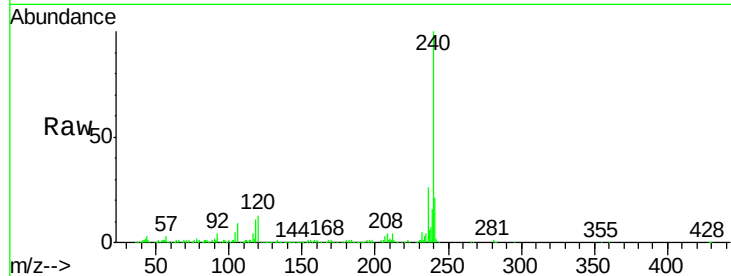
Tot Ion:240 Resp: 383461

Ion Ratio Lower Upper

240 100

120 13.1 6.8 10.2#

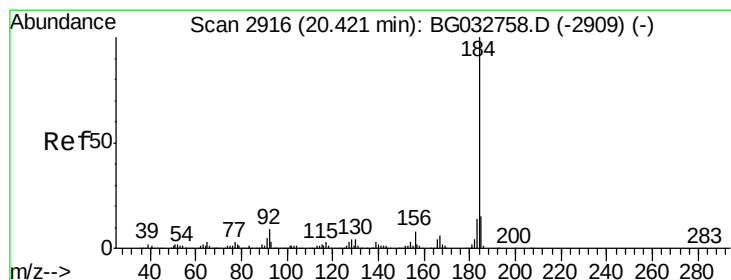
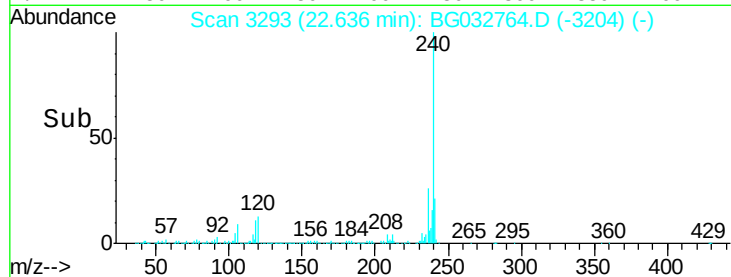
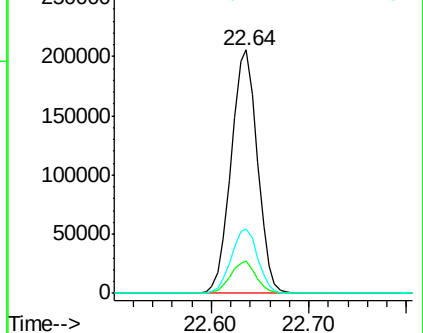
236 26.2 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 2.109 ng

RT: 20.80 min Scan# 2980

Delta R.T. 0.38 min

Lab File: BG032764.D

Acq: 21 Feb 2018 17:48

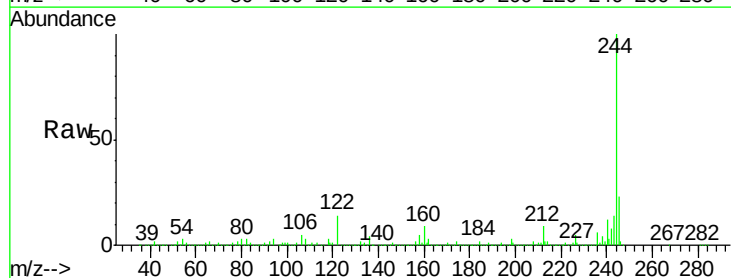
Tgt Ion:184 Resp: 27563

Ion Ratio Lower Upper

184 100

185 20.4 11.1 16.7#

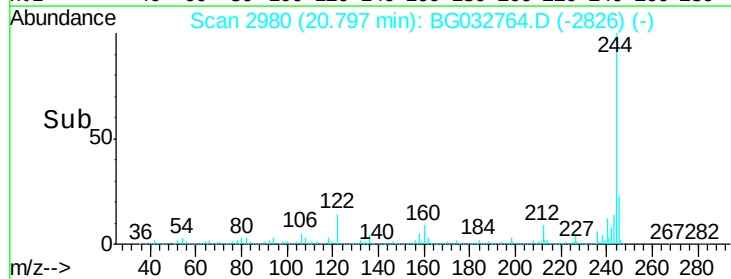
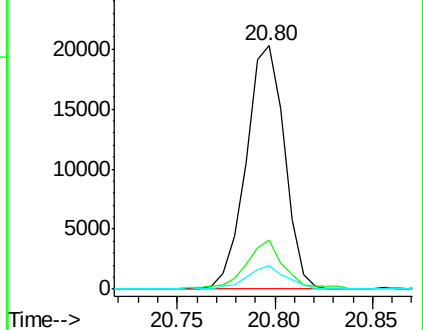
183 9.8 10.6 16.0#

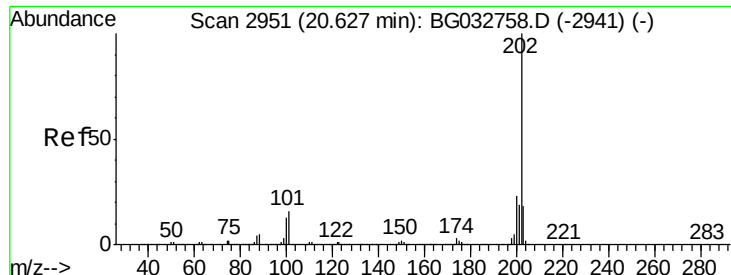


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 0.025 ng

RT: 20.62 min Scan# 2950

Delta R.T. -0.01 min

Lab File: BG032764.D

Acq: 21 Feb 2018 17:48

Instrument :

BNA\_G

ClientSampleId :

AU-05-022018-B

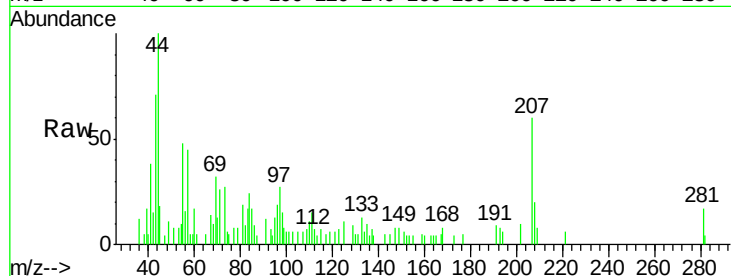
Tot Ion:202 Resp: 683

Ion Ratio Lower Upper

202 100

200 0.0 16.9 25.3#

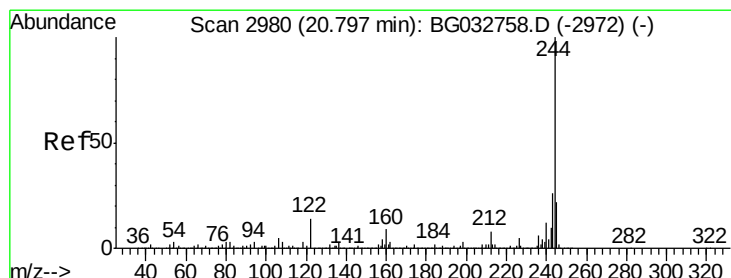
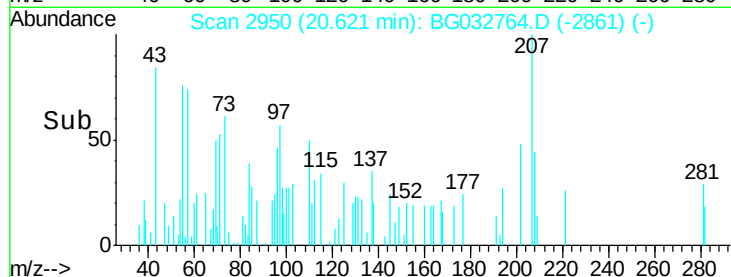
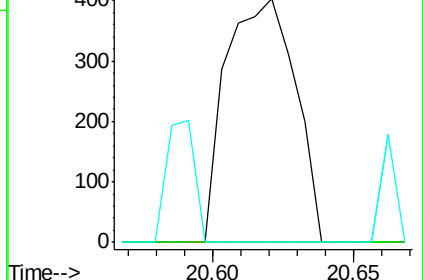
203 0.0 13.9 20.9#



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: 94.228 ng

RT: 20.80 min Scan# 2980

Delta R.T. 0.00 min

Lab File: BG032764.D

Acq: 21 Feb 2018 17:48

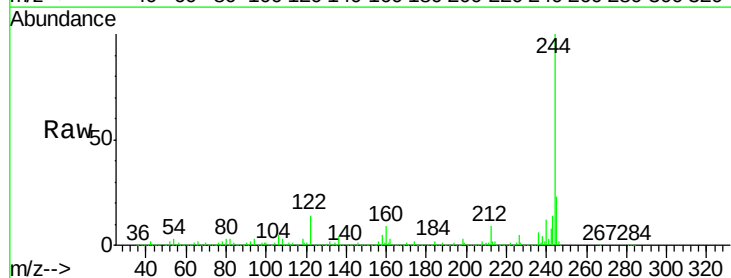
Tgt Ion:244 Resp: 1608243

Ion Ratio Lower Upper

244 100

212 8.8 5.8 8.8#

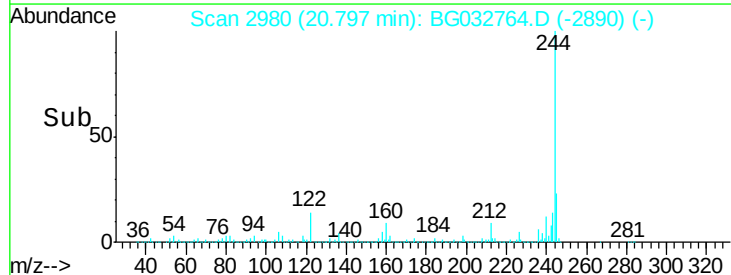
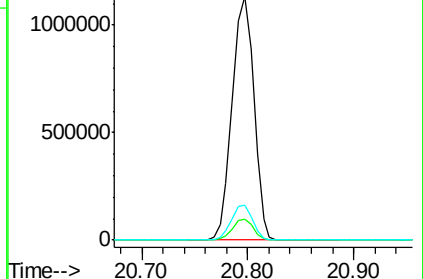
122 14.5 7.0 10.4#

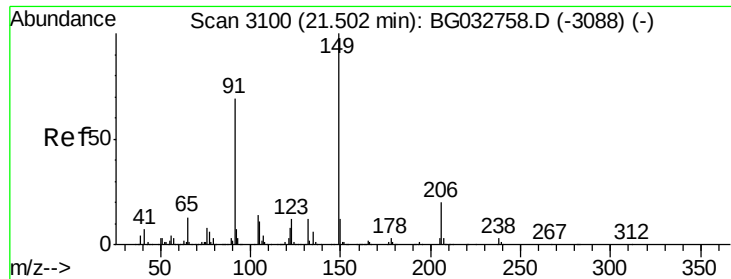


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

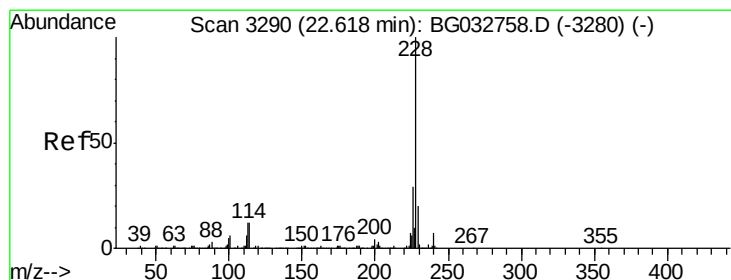
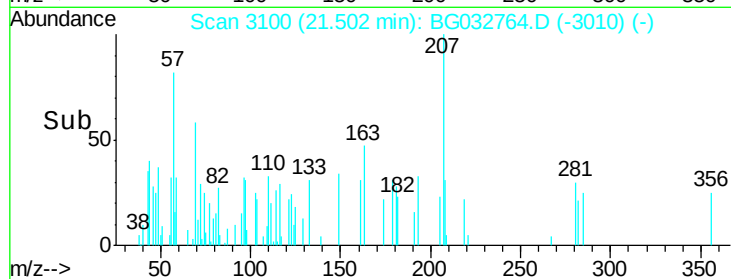
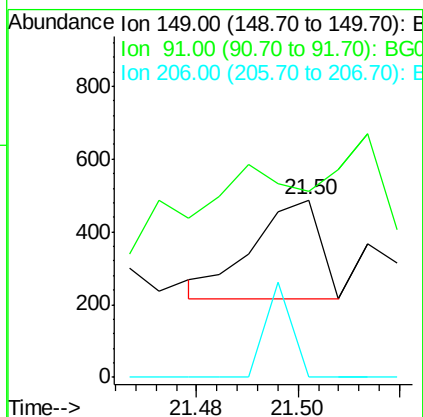
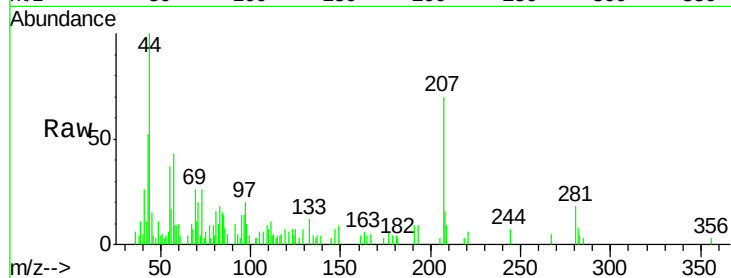




#79  
Butylbenzylphthalate  
Concen: 0.020 ng  
RT: 21.50 min Scan# 3100  
Delta R.T. 0.00 min  
Lab File: BG032764.D  
Acq: 21 Feb 2018 17:48

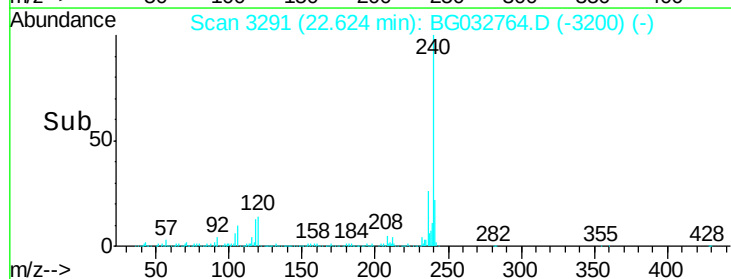
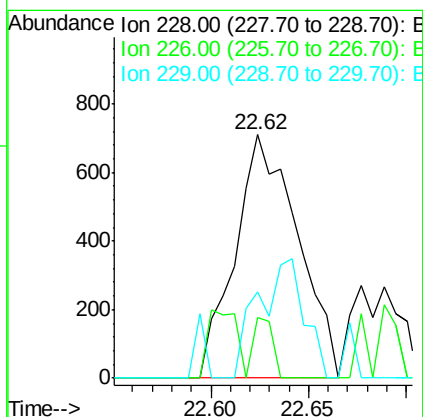
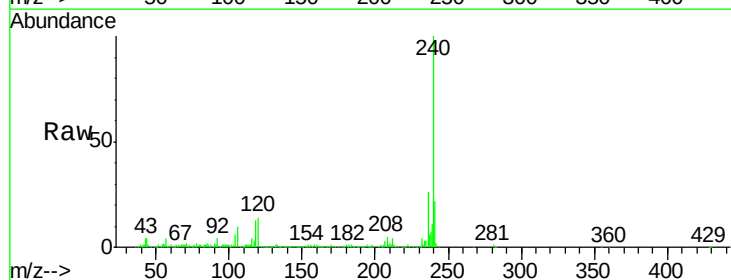
Instrument :  
BNA\_G  
ClientSampleId :  
AU-05-022018-B

Tot Ion:149 Resp: 245  
Ion Ratio Lower Upper  
149 100  
91 104.7 62.2 93.2#  
206 0.0 18.6 27.8#

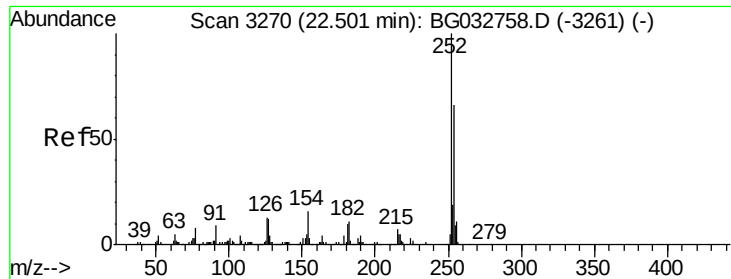


#80  
Benzo(a)anthracene  
Concen: 0.064 ng  
RT: 22.62 min Scan# 3291  
Delta R.T. 0.01 min  
Lab File: BG032764.D  
Acq: 21 Feb 2018 17:48

Tgt Ion:228 Resp: 1580  
Ion Ratio Lower Upper  
228 100  
226 25.0 22.7 34.1  
229 35.4 16.2 24.2#



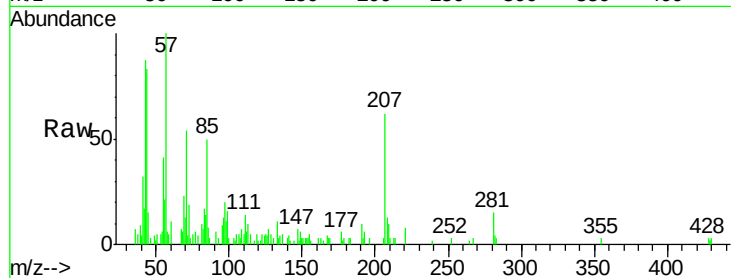




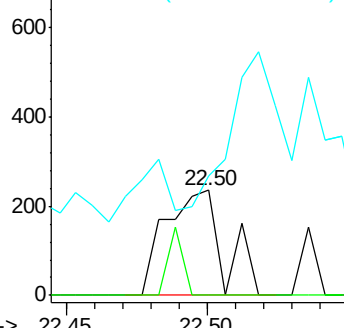
#81  
 3,3'-Dichlorobenzidine  
 Concen: 0.037 ng  
 RT: 22.50 min Scan# 3270  
 Delta R.T. 0.00 min  
 Lab File: BG032764.D  
 Acq: 21 Feb 2018 17:48

Instrument :  
 BNA\_G  
 ClientSampled :  
 AU-05-022018-B

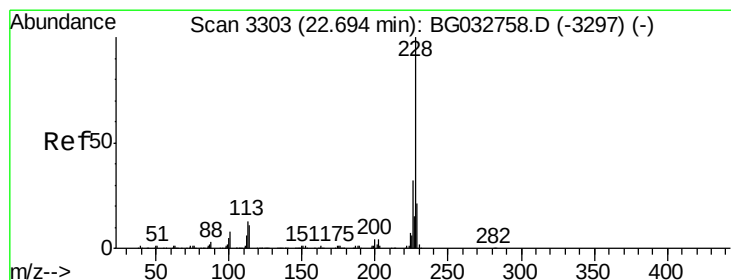
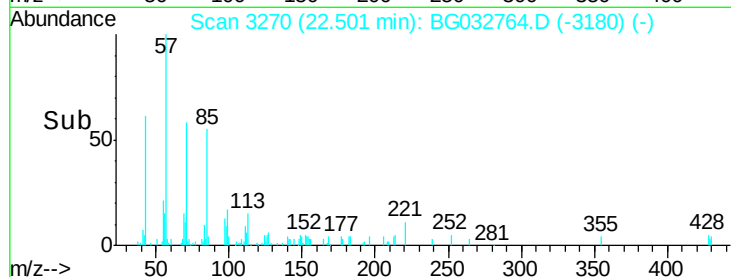
Tot Ion:252 Resp: 337  
 Ion Ratio Lower Upper  
 252 100  
 254 0.0 50.8 76.2#  
 126 113.6 7.4 11.2#



Abundance Ion 252.00 (251.70 to 252.70): E  
 Ion 254.00 (253.70 to 254.70): E  
 Ion 126.00 (125.70 to 126.70): E

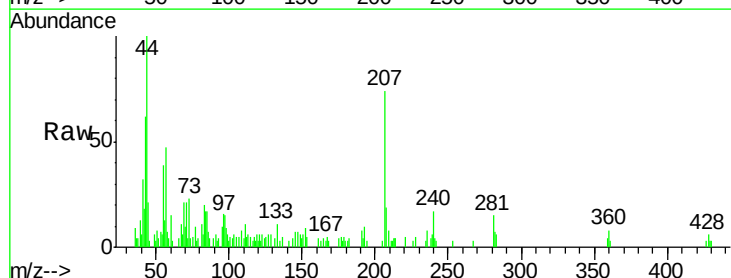


Time--> 22.45 22.50

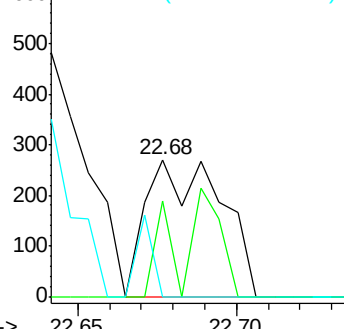


#82  
 Chrysene  
 Concen: 0.019 ng  
 RT: 22.68 min Scan# 3300  
 Delta R.T. -0.02 min  
 Lab File: BG032764.D  
 Acq: 21 Feb 2018 17:48

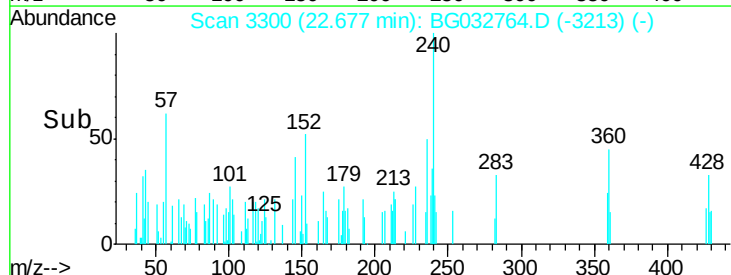
Tgt Ion:228 Resp: 442  
 Ion Ratio Lower Upper  
 228 100  
 226 69.6 24.9 37.3#  
 229 0.0 15.0 22.4#

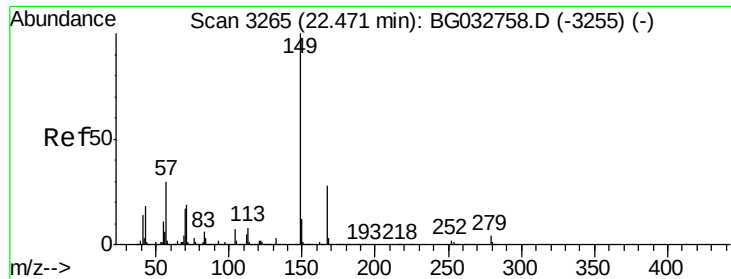


Abundance Ion 228.00 (227.70 to 228.70): E  
 Ion 226.00 (225.70 to 226.70): E  
 Ion 229.00 (228.70 to 229.70): E



Time--> 22.65 22.70





#83

Bis(2-ethylhexyl)phthalate

Concen: 0.197 ng

RT: 22.47 min Scan# 3264

Delta R.T. -0.01 min

Lab File: BG032764.D

Acq: 21 Feb 2018 17:48

Instrument :

BNA\_G

ClientSampleId :

AU-05-022018-B

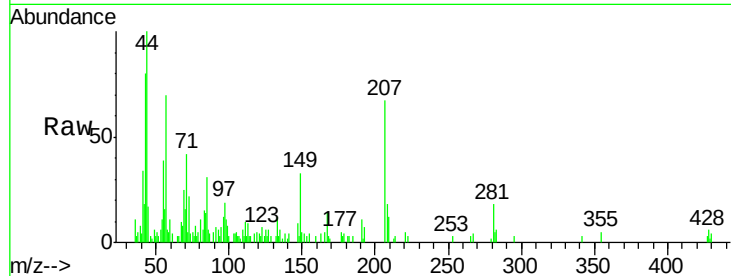
Tot Ion:149 Resp: 3489

Ion Ratio Lower Upper

149 100

167 41.9 24.3 36.5#

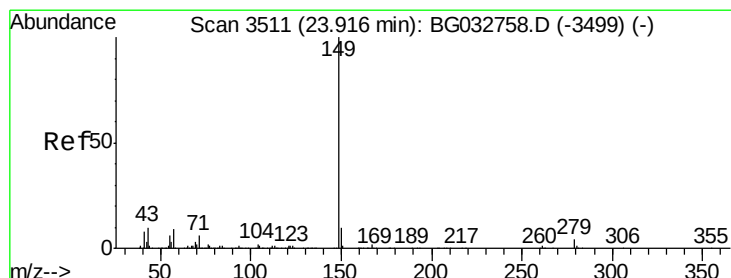
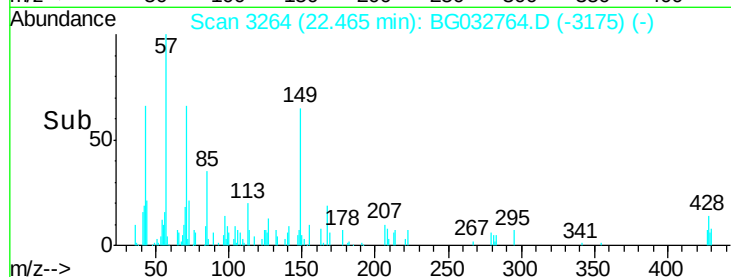
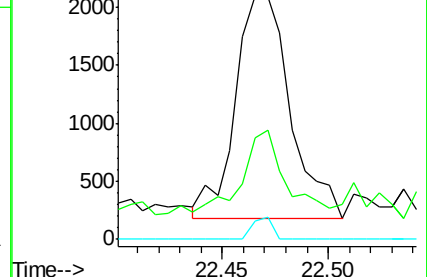
279 7.3 4.0 6.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 0.019 ng

RT: 23.90 min Scan# 3509

Delta R.T. -0.01 min

Lab File: BG032764.D

Acq: 21 Feb 2018 17:48

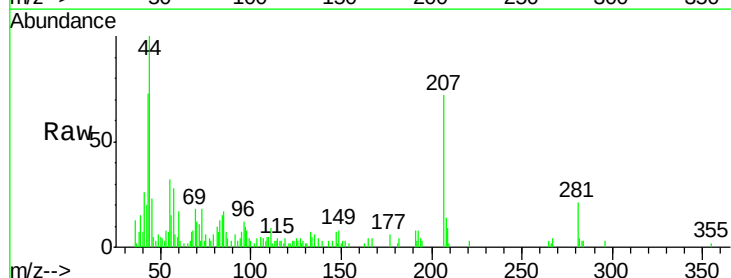
Tgt Ion:149 Resp: 520

Ion Ratio Lower Upper

149 100

167 46.5 1.4 2.0#

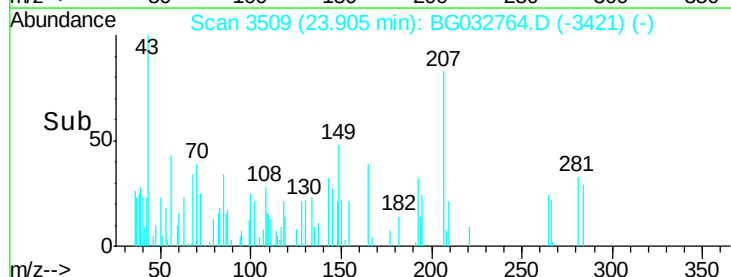
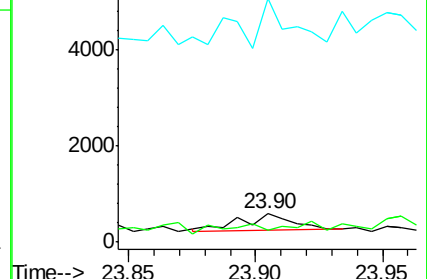
43 163.8 8.9 13.3#

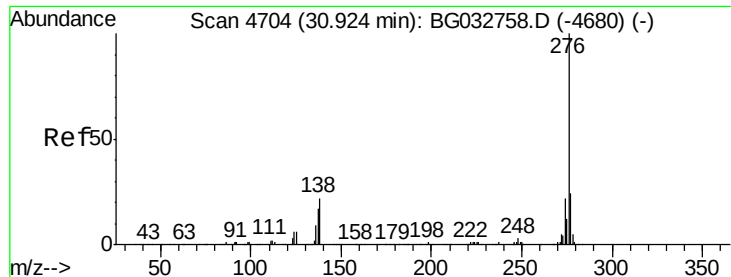


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BG

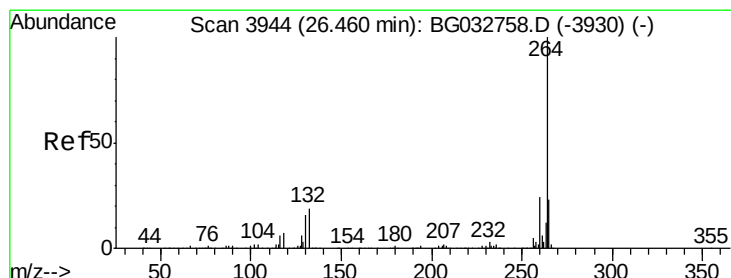
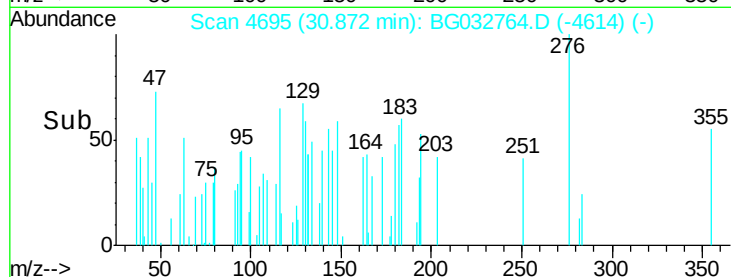
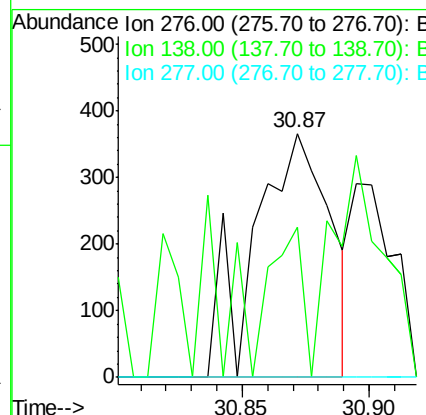
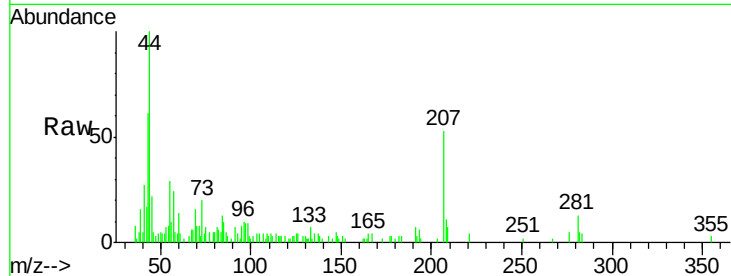




#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.028 ng  
 RT: 30.87 min Scan# 4695  
 Delta R.T. -0.05 min  
 Lab File: BG032764.D  
 Acq: 21 Feb 2018 17:48

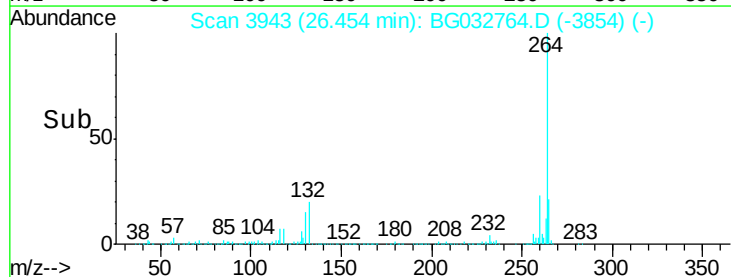
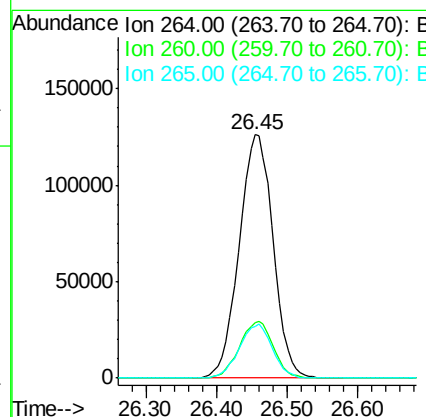
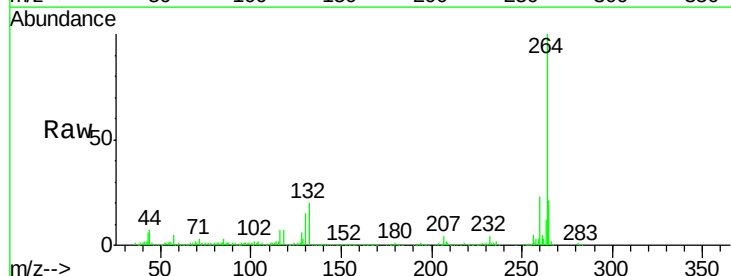
Instrument :  
 BNA\_G  
 ClientSampleId :  
 AU-05-022018-B

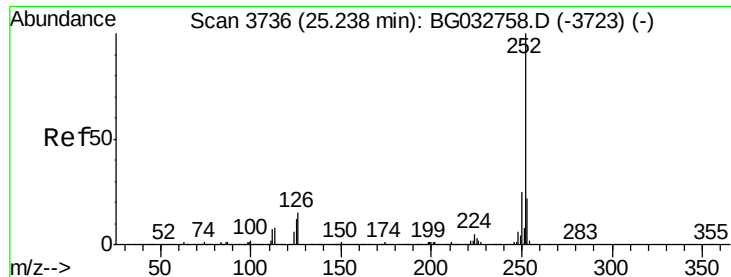
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 26.4  | 16.0  | 24.0# |
| 277     | 0.0   | 20.0  | 30.0# |



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 26.45 min Scan# 3943  
 Delta R.T. -0.01 min  
 Lab File: BG032764.D  
 Acq: 21 Feb 2018 17:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.0  | 17.4  | 26.0  |
| 265     | 21.1  | 17.7  | 26.5  |





#87

Benzo(b)fluoranthene

Concen: 0.010 ng

RT: 25.23 min Scan# 3734

Delta R.T. -0.01 min

Lab File: BG032764.D

Acq: 21 Feb 2018 17:48

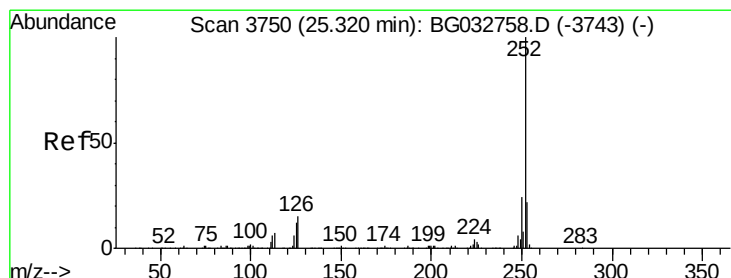
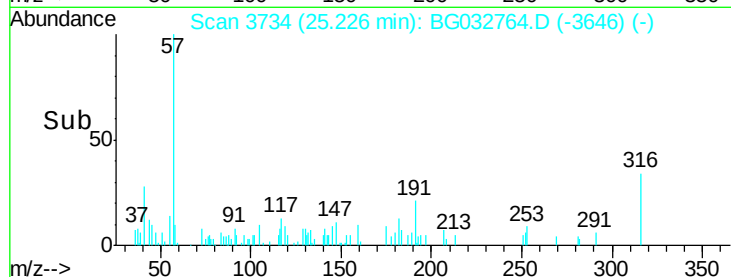
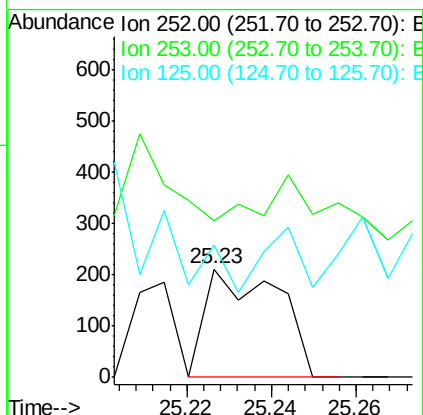
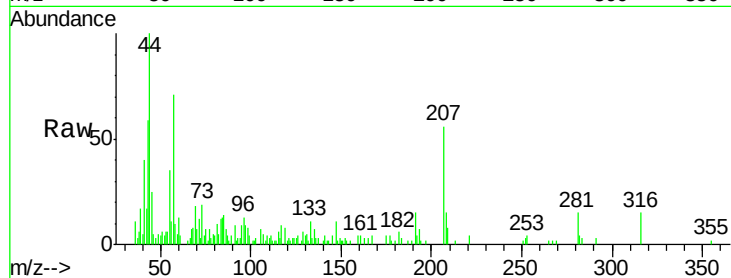
Instrument :

BNA\_G

ClientSampleId :

AU-05-022018-B

|             |       |             |
|-------------|-------|-------------|
| Tot Ion:252 | Resp: | 252         |
| Ion         | Ratio | Lower Upper |
| 252         | 100   |             |
| 253         | 143.9 | 18.2 27.4#  |
| 125         | 122.2 | 7.2 10.8#   |



#88

Benzo(k)fluoranthene

Concen: 0.016 ng

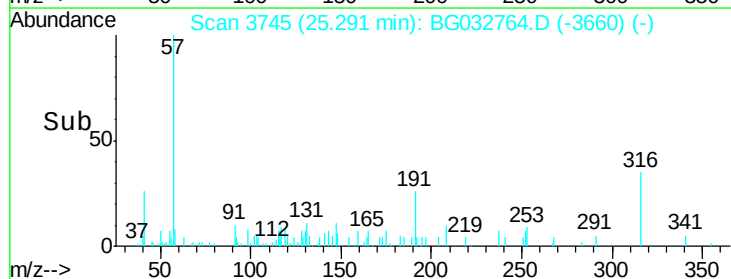
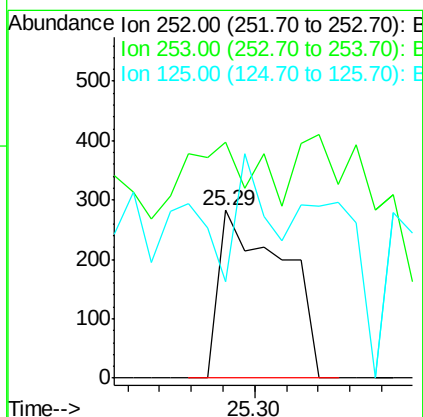
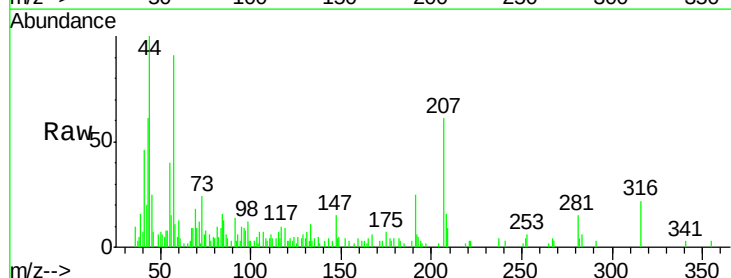
RT: 25.29 min Scan# 3745

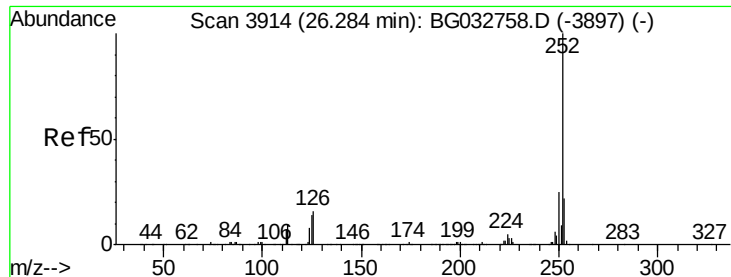
Delta R.T. -0.03 min

Lab File: BG032764.D

Acq: 21 Feb 2018 17:48

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:252 | Resp: | 393         |
| Ion         | Ratio | Lower Upper |
| 252         | 100   |             |
| 253         | 140.6 | 17.4 26.2#  |
| 125         | 57.6  | 6.6 9.8#    |





#89

Benzo(a)pyrene

Concen: 0.016 ng

RT: 26.27 min Scan# 3911

Delta R.T. -0.02 min

Lab File: BG032764.D

Acq: 21 Feb 2018 17:48

Instrument :

BNA\_G

ClientSampleId :

AU-05-022018-B

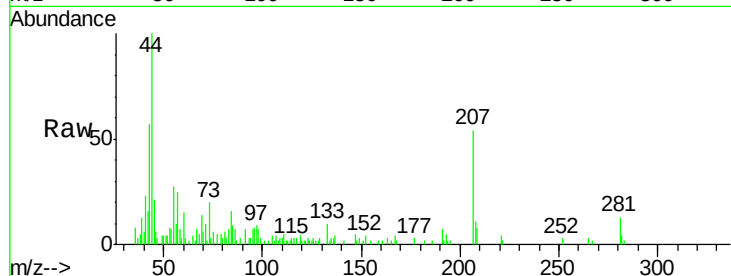
Tot Ion:252 Resp: 383

Ion Ratio Lower Upper

252 100

253 0.0 18.3 27.5#

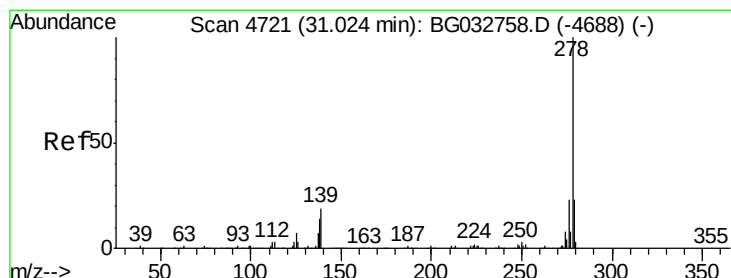
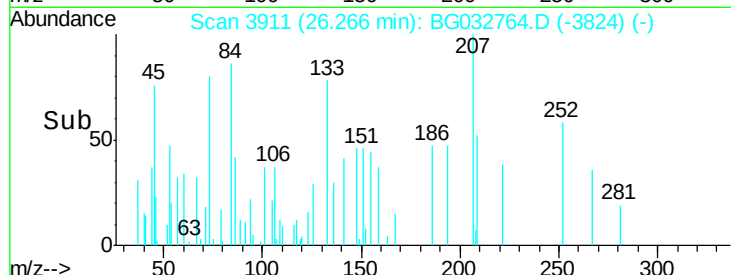
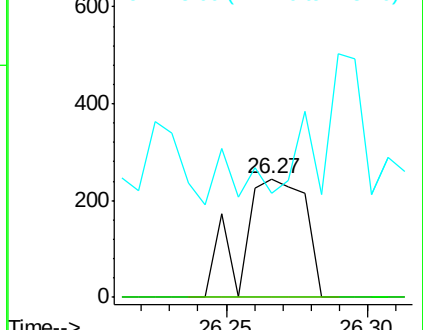
125 87.8 7.3 10.9#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 0.032 ng

RT: 30.97 min Scan# 4711

Delta R.T. -0.06 min

Lab File: BG032764.D

Acq: 21 Feb 2018 17:48

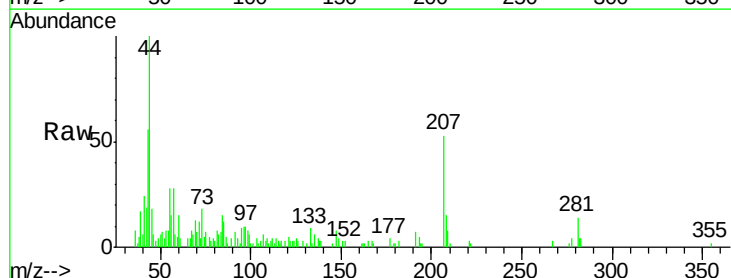
Tgt Ion:278 Resp: 757

Ion Ratio Lower Upper

278 100

139 61.4 9.8 14.6#

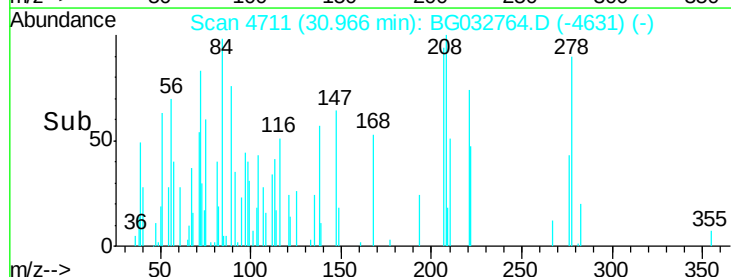
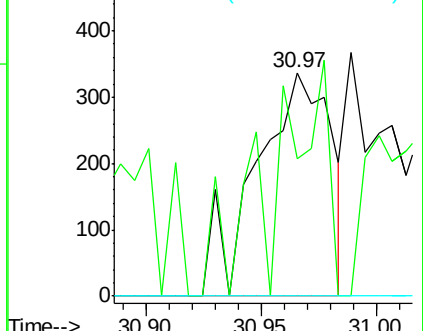
279 0.0 18.4 27.6#

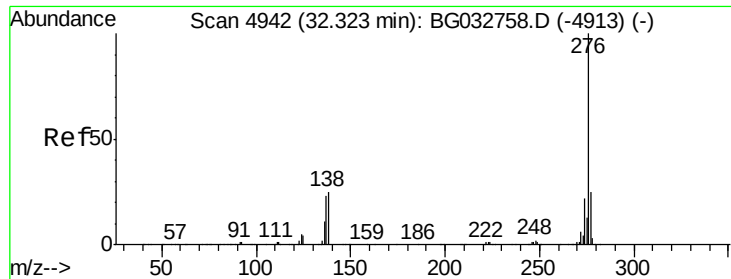


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 0.034 ng

RT: 32.26 min Scan# 4931

Delta R.T. -0.06 min

Lab File: BG032764.D

Acq: 21 Feb 2018 17:48

Instrument :

BNA\_G

ClientSampleId :

AU-05-022018-B

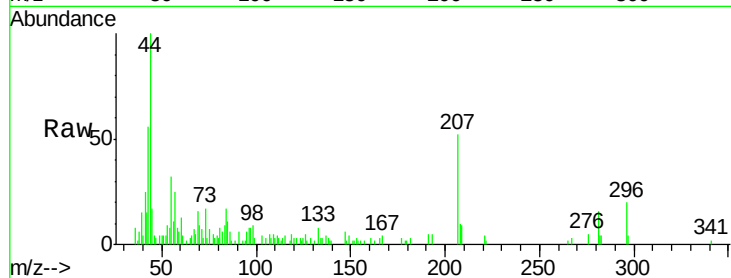
Tot Ion: 276 Resp: 806

Ion Ratio Lower Upper

276 100

277 0.0 18.3 27.5#

138 54.9 13.9 20.9#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

