

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG022119\  
 Data File : BG039576.D  
 Acq On : 21 Feb 2019 18:10  
 Operator : JU/SJ  
 Sample : K1349-10MSD  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 OR-02-021919-AMSD

Quant Time: Feb 21 22:03:52 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG012919.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jan 29 15:41:51 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.17  | 152  | 49867    | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8        | 10.99 | 136  | 226750   | 20.00 | ng    | -0.02    |
| 39) Acenaphthene-d10      | 14.79 | 164  | 154248   | 20.00 | ng    | -0.02    |
| 64) Phenanthrene-d10      | 17.54 | 188  | 376616   | 20.00 | ng    | -0.01    |
| 76) Chrysene-d12          | 21.83 | 240  | 372958   | 20.00 | ng    | -0.02    |
| 87) Perylene-d12          | 25.21 | 264  | 368779   | 20.00 | ng    | -0.04    |

## System Monitoring Compounds

|                          |       |     |         |        |    |       |
|--------------------------|-------|-----|---------|--------|----|-------|
| 5) 2-Fluorophenol        | 5.72  | 112 | 386095  | 132.51 | ng | 0.00  |
| 7) Phenol-d6             | 7.32  | 99  | 507632  | 118.36 | ng | 0.00  |
| 23) Nitrobenzene-d5      | 9.35  | 82  | 364418  | 100.40 | ng | -0.02 |
| 42) 2,4,6-Tribromophenol | 16.28 | 330 | 235598  | 141.84 | ng | -0.01 |
| 45) 2-Fluorobiphenyl     | 13.42 | 172 | 871875  | 81.09  | ng | -0.02 |
| 79) Terphenyl-d14        | 20.13 | 244 | 1383895 | 78.54  | ng | -0.02 |

## Target Compounds

|                                |       |     |        |        |    | Qvalue |
|--------------------------------|-------|-----|--------|--------|----|--------|
| 2) 1,4-Dioxane                 | 3.61  | 88  | 40809  | 32.020 | ng | # 11   |
| 3) Pyridine                    | 4.02  | 79  | 104407 | 30.941 | ng | 96     |
| 4) n-Nitrosodimethylamine      | 3.93  | 42  | 60447  | 35.819 | ng | 83     |
| 6) Aniline                     | 7.50  | 93  | 55169  | 10.270 | ng | 97     |
| 8) 2-Chlorophenol              | 7.73  | 128 | 137515 | 43.178 | ng | 97     |
| 9) Benzaldehyde                | 7.31  | 77  | 106899 | 55.841 | ng | 99     |
| 10) Phenol                     | 7.34  | 94  | 159032 | 35.572 | ng | 98     |
| 11) bis(2-Chloroethyl)ether    | 7.58  | 93  | 134598 | 38.101 | ng | 98     |
| 12) 1,3-Dichlorobenzene        | 8.05  | 146 | 143224 | 37.122 | ng | 98     |
| 13) 1,4-Dichlorobenzene        | 8.21  | 146 | 144386 | 37.546 | ng | 98     |
| 14) 1,2-Dichlorobenzene        | 8.52  | 146 | 141973 | 38.136 | ng | 99     |
| 15) Benzyl Alcohol             | 8.41  | 79  | 134416 | 39.921 | ng | 99     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.69  | 45  | 256613 | 32.166 | ng | 98     |
| 17) 2-Methylphenol             | 8.61  | 107 | 118615 | 40.999 | ng | 94     |
| 18) Hexachloroethane           | 9.25  | 117 | 50627  | 38.266 | ng | 97     |
| 19) n-Nitroso-di-n-propylamine | 8.97  | 70  | 112461 | 36.945 | ng | 92     |
| 20) 3+4-Methylphenols          | 8.93  | 107 | 164009 | 41.167 | ng | 97     |
| 22) Acetophenone               | 9.00  | 105 | 213594 | 35.068 | ng | # 95   |
| 24) Nitrobenzene               | 9.39  | 77  | 165525 | 42.213 | ng | 100    |
| 25) Isophorone                 | 9.90  | 82  | 318102 | 39.549 | ng | 98     |
| 26) 2-Nitrophenol              | 10.10 | 139 | 81733  | 51.871 | ng | 96     |
| 27) 2,4-Dimethylphenol         | 10.14 | 122 | 143290 | 44.039 | ng | 94     |
| 28) bis(2-Chloroethoxy)methane | 10.39 | 93  | 191615 | 38.677 | ng | 98     |
| 29) 2,4-Dichlorophenol         | 10.63 | 162 | 154209 | 43.365 | ng | 96     |
| 30) 1,2,4-Trichlorobenzene     | 10.84 | 180 | 152198 | 38.122 | ng | 99     |
| 31) Naphthalene                | 11.04 | 128 | 447063 | 39.743 | ng | 100    |
| 32) Benzoic acid               | 10.25 | 122 | 72335  | 36.591 | ng | 93     |
| 33) 4-Chloroaniline            | 11.15 | 127 | 15345  | 2.942  | ng | # 92   |
| 34) Hexachlorobutadiene        | 11.30 | 225 | 94904  | 35.744 | ng | 95     |
| 35) Caprolactam                | 11.93 | 113 | 38270  | 26.007 | ng | # 88   |
| 36) 4-Chloro-3-methylphenol    | 12.25 | 107 | 168167 | 40.891 | ng | 95     |
| 37) 2-Methylnaphthalene        | 12.63 | 142 | 338420 | 40.619 | ng | 95     |
| 38) 1-Methylnaphthalene        | 12.85 | 142 | 322266 | 40.127 | ng | 99     |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.99 | 216 | 186587 | 38.019 | ng | 99     |

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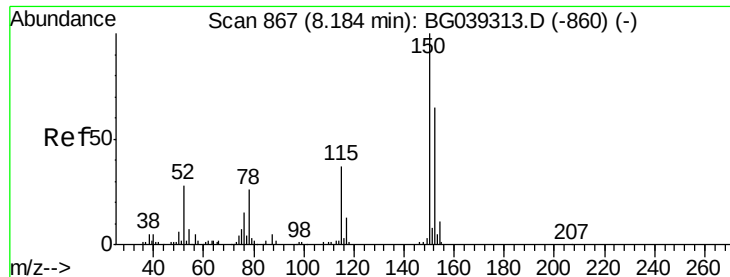
Instrument :  
 BNA\_G  
 ClientSampleId :  
 OR-02-021919-AMSD

Quant Time: Feb 21 22:03:52 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG012919.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jan 29 15:41:51 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 12.96 | 237  | 208897   | 78.113 | nq    | 98       |
| 43) 2,4,6-Trichlorophenol      | 13.23 | 196  | 131553   | 43.596 | nq    | 99       |
| 44) 2,4,5-Trichlorophenol      | 13.30 | 196  | 139199   | 44.014 | nq    | 95       |
| 46) 1,1'-Biphenyl              | 13.63 | 154  | 459068   | 35.770 | nq    | 98       |
| 47) 2-Chloronaphthalene        | 13.68 | 162  | 356214   | 36.896 | nq    | 99       |
| 48) 2-Nitroaniline             | 13.89 | 65   | 123403   | 45.101 | nq    | 93       |
| 49) Acenaphthylene             | 14.52 | 152  | 576784   | 39.592 | nq    | 99       |
| 50) Dimethylphthalate          | 14.24 | 163  | 473662   | 38.022 | nq    | 100      |
| 51) 2,6-Dinitrotoluene         | 14.37 | 165  | 106328   | 45.987 | nq    | 97       |
| 52) Acenaphthene               | 14.86 | 154  | 346810   | 36.675 | nq    | 97       |
| 53) 3-Nitroaniline             | 14.70 | 138  | 23198    | 13.912 | nq    | # 91     |
| 54) 2,4-Dinitrophenol          | 14.90 | 184  | 59281    | 63.915 | nq    | 99       |
| 55) Dibenzofuran               | 15.19 | 168  | 574633   | 37.900 | nq    | 98       |
| 56) 4-Nitrophenol              | 15.00 | 139  | 140716   | 63.742 | nq    | 91       |
| 57) 2,4-Dinitrotoluene         | 15.15 | 165  | 149609   | 49.811 | nq    | 88       |
| 58) Fluorene                   | 15.84 | 166  | 451929   | 39.985 | nq    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol  | 15.41 | 232  | 136852   | 46.215 | nq    | 96       |
| 60) Diethylphthalate           | 15.59 | 149  | 474182   | 36.814 | nq    | 97       |
| 61) 4-Chlorophenyl-phenylether | 15.82 | 204  | 240079   | 37.514 | nq    | 96       |
| 62) 4-Nitroaniline             | 15.87 | 138  | 106127   | 41.271 | nq    | 91       |
| 63) Azobenzene                 | 16.11 | 77   | 432347   | 34.342 | nq    | 97       |
| 65) 4,6-Dinitro-2-methylphenol | 15.91 | 198  | 64167    | 44.569 | nq    | 99       |
| 66) n-Nitrosodiphenylamine     | 16.04 | 169  | 415681   | 36.299 | nq    | 96       |
| 67) 4-Bromophenyl-phenylether  | 16.72 | 248  | 155733   | 37.273 | nq    | 95       |
| 68) Hexachlorobenzene          | 16.83 | 284  | 159579   | 38.068 | nq    | 95       |
| 69) Atrazine                   | 16.98 | 200  | 154321   | 36.876 | nq    | 96       |
| 70) Pentachlorophenol          | 17.18 | 266  | 172388   | 59.169 | nq    | 99       |
| 71) Phenanthrene               | 17.58 | 178  | 757074   | 38.839 | nq    | 99       |
| 72) Anthracene                 | 17.67 | 178  | 772594   | 40.239 | nq    | 100      |
| 73) Carbazole                  | 17.94 | 167  | 674752   | 35.214 | nq    | 99       |
| 74) Di-n-butylphthalate        | 18.47 | 149  | 813508   | 36.391 | nq    | 99       |
| 75) Fluoranthene               | 19.58 | 202  | 901606   | 39.850 | nq    | 99       |
| 77) Benzidine                  | 19.76 | 184  | 41384    | 3.384  | nq    | # 94     |
| 78) Pyrene                     | 19.94 | 202  | 910410   | 39.212 | nq    | 100      |
| 80) Butylbenzylphthalate       | 20.81 | 149  | 379756   | 38.774 | nq    | 96       |
| 81) Benzo(a)anthracene         | 21.81 | 228  | 874781   | 39.694 | nq    | 99       |
| 82) 3,3'-Dichlorobenzidine     | 21.72 | 252  | 94027    | 11.507 | nq    | 99       |
| 83) Chrysene                   | 21.88 | 228  | 838824   | 39.985 | nq    | 98       |
| 84) Bis(2-ethylhexyl)phthalate | 21.67 | 149  | 522909   | 37.424 | nq    | 99       |
| 85) Di-n-octyl phthalate       | 22.93 | 149  | 886406   | 38.399 | nq    | 95       |
| 86) Indeno(1,2,3-cd)pyrene     | 29.10 | 276  | 784869   | 34.870 | nq    | # 71     |
| 88) Benzo(b)fluoranthene       | 24.13 | 252  | 833666   | 41.452 | nq    | 98       |
| 89) Benzo(k)fluoranthene       | 24.20 | 252  | 818473   | 40.535 | nq    | 99       |
| 90) Benzo(a)pyrene             | 25.05 | 252  | 798033   | 41.202 | nq    | 100      |
| 91) Dibenzo(a,h)anthracene     | 29.17 | 278  | 598638   | 33.003 | nq    | 99       |
| 92) Benzo(g,h,i)perylene       | 30.31 | 276  | 636094   | 35.183 | nq    | 97       |

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



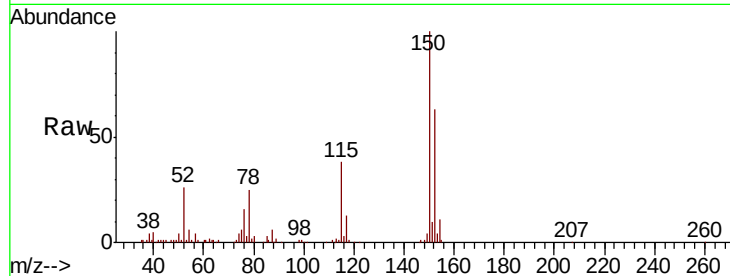


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.17 min Scan# 864  
Delta R.T. -0.02 min  
Lab File: BG039576.D  
Acq: 21 Feb 2019 18:10

Instrument :  
BNA\_G  
ClientSampleId :  
OR-02-021919-AMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 159.3 | 123.7 | 185.5 |
| 115     | 61.0  | 45.9  | 68.9  |

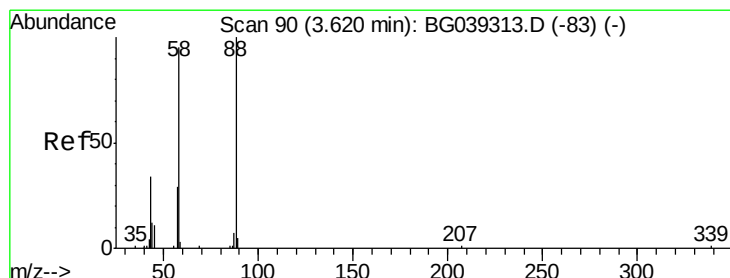
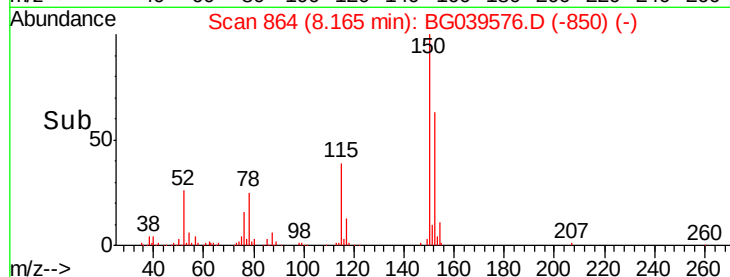
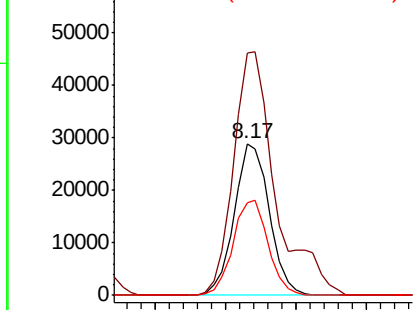


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

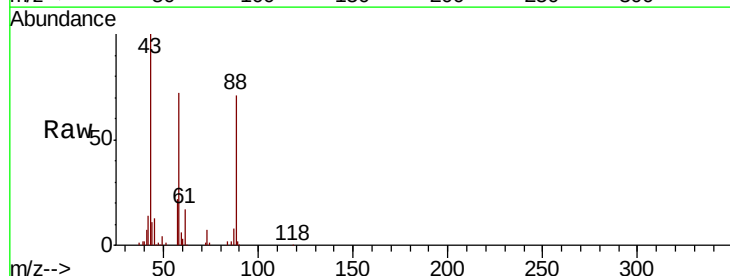
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane  
Concen: 32.020 ng  
RT: 3.61 min Scan# 89  
Delta R.T. -0.01 min  
Lab File: BG039576.D  
Acq: 21 Feb 2019 18:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 94.0  | 81.1  | 121.7 |
| 43      | 223.3 | 31.4  | 47.0  |

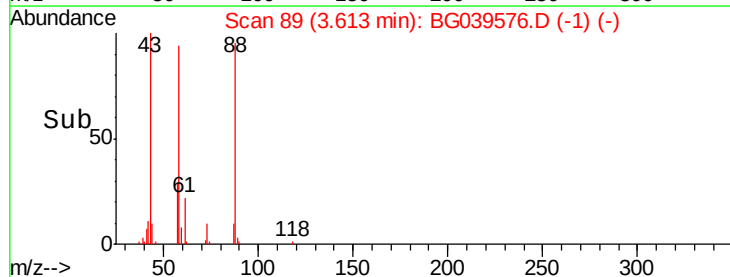
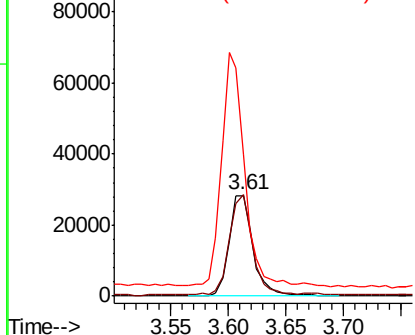


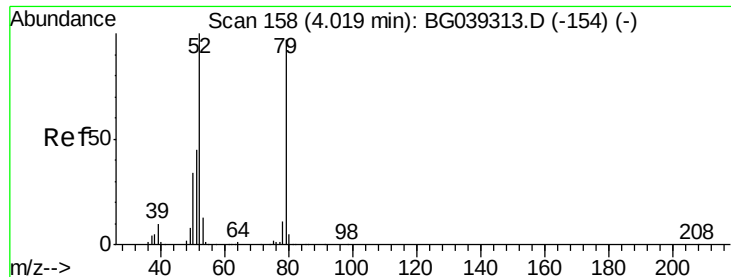
Abundance

Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pvridine

Concen: 30.941 ng

RT: 4.02 min Scan# 158

Delta R.T. -0.00 min

Lab File: BG039576.D

Acq: 21 Feb 2019 18:10

Instrument :

BNA\_G

ClientSampleId :

OR-02-021919-AMSD

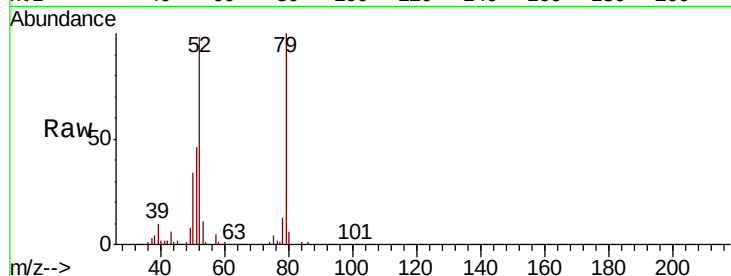
Tot Ion: 79 Resp: 104407

Ion Ratio Lower Upper

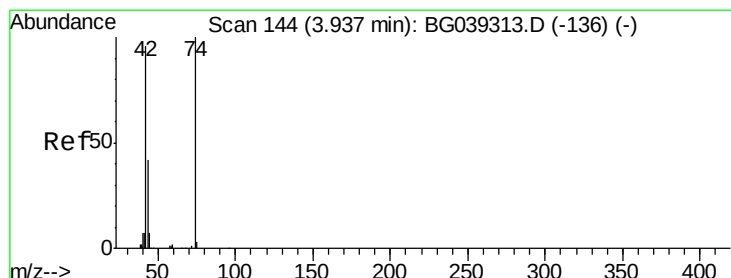
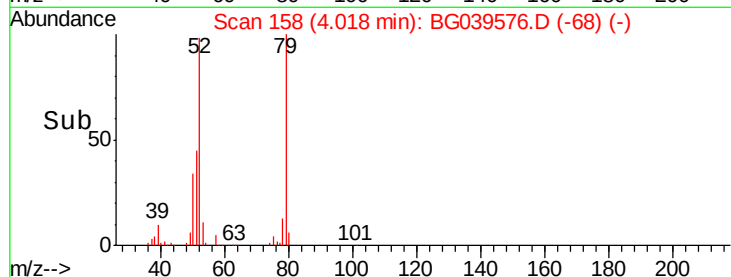
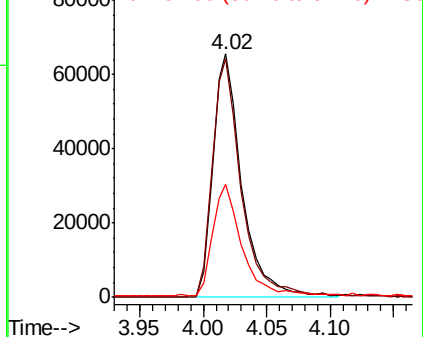
79 100

52 97.8 82.6 124.0

51 46.5 37.5 56.3



Abundance Ion 79.00 (78.70 to 79.70): BGC  
Ion 52.00 (51.70 to 52.70): BGC  
Ion 51.00 (50.70 to 51.70): BGC



#4

n-Nitrosodimethylamine

Concen: 35.819 ng

RT: 3.93 min Scan# 143

Delta R.T. -0.01 min

Lab File: BG039576.D

Acq: 21 Feb 2019 18:10

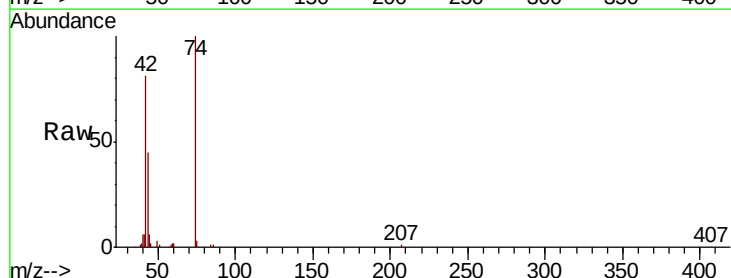
Tgt Ion: 42 Resp: 60447

Ion Ratio Lower Upper

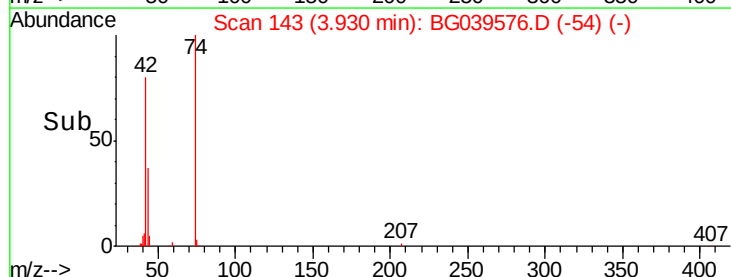
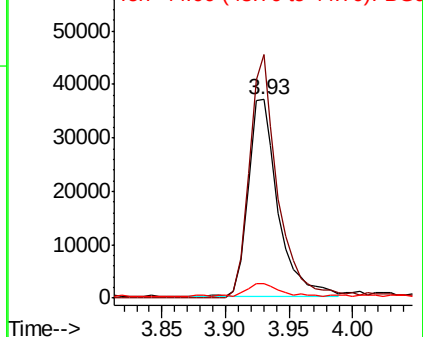
42 100

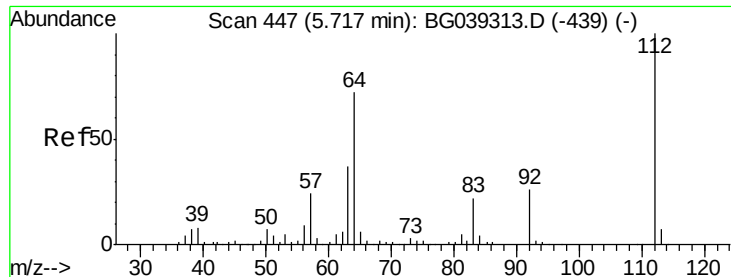
74 122.8 83.6 125.4

44 7.3 6.9 10.3



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





#5

2-Fluorophenol

Concen: 132.513 ng

RT: 5.72 min Scan# 447

Delta R.T. -0.00 min

Lab File: BG039576.D

Acq: 21 Feb 2019 18:10

Instrument :

BNA\_G

ClientSampleId :

OR-02-021919-AMSD

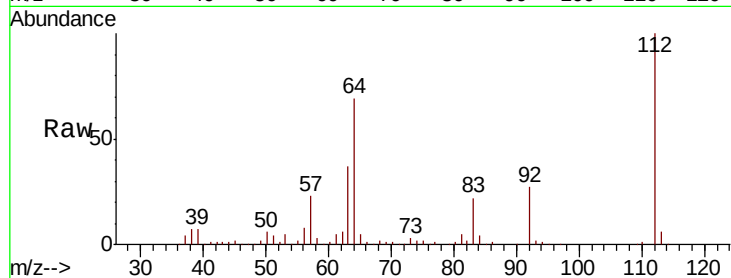
Tot Ion: 112 Resp: 386095

Ion Ratio Lower Upper

112 100

64 69.4 57.8 86.8

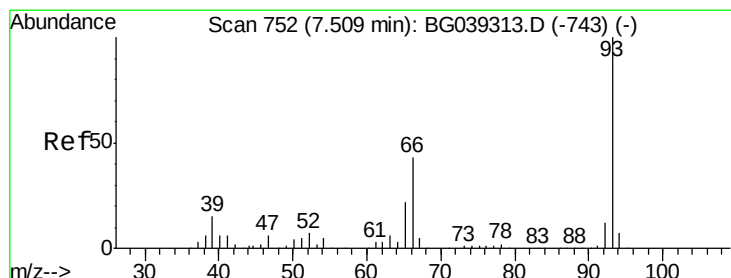
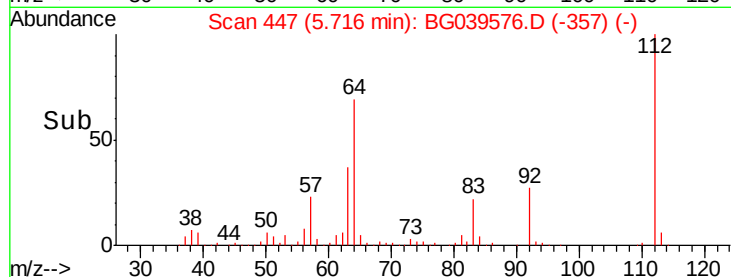
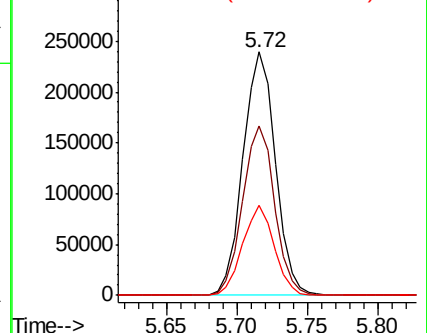
63 37.0 29.8 44.6



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: 10.270 ng

RT: 7.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BG039576.D

Acq: 21 Feb 2019 18:10

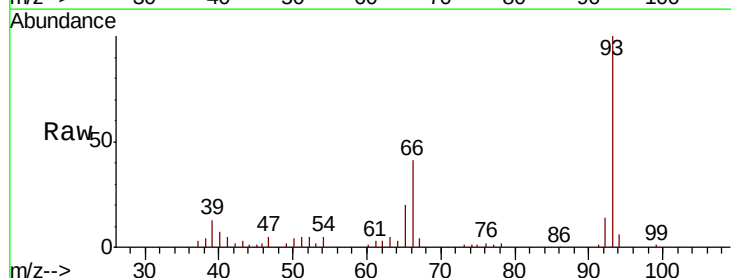
Tgt Ion: 93 Resp: 55169

Ion Ratio Lower Upper

93 100

66 41.3 34.2 51.4

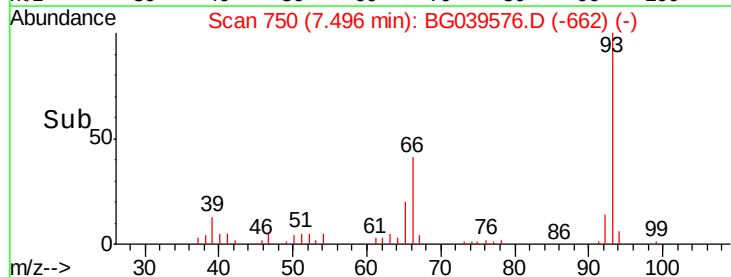
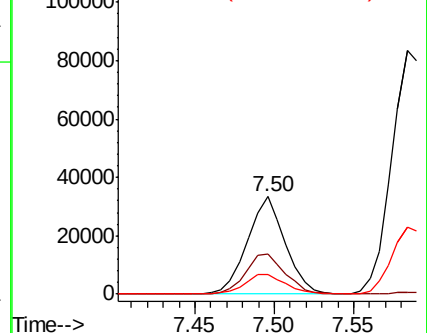
65 20.3 17.7 26.5

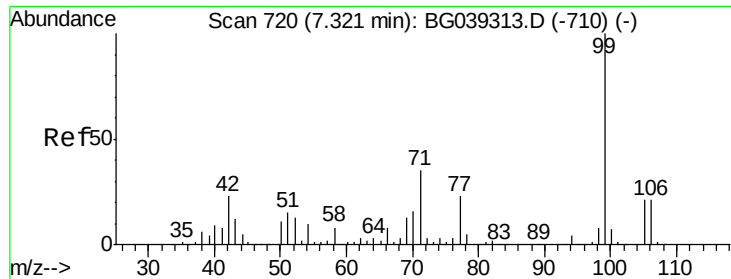


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 118.363 ng

RT: 7.32 min Scan# 720

Delta R.T. -0.00 min

Lab File: BG039576.D

Acq: 21 Feb 2019 18:10

Instrument :

BNA\_G

ClientSampleId :

OR-02-021919-AMSD

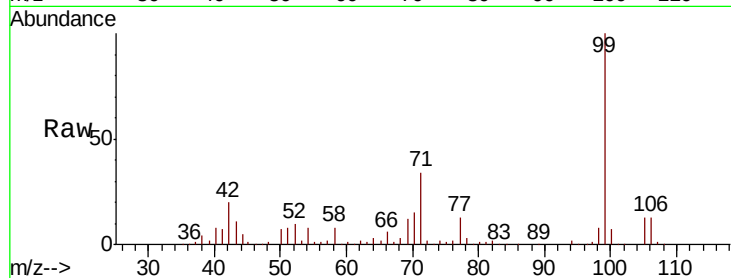
Tot Ion: 99 Resp: 507632

Ion Ratio Lower Upper

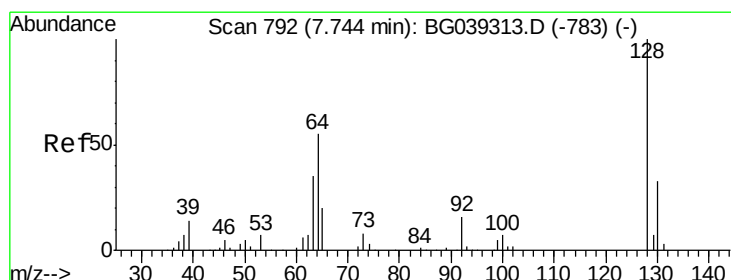
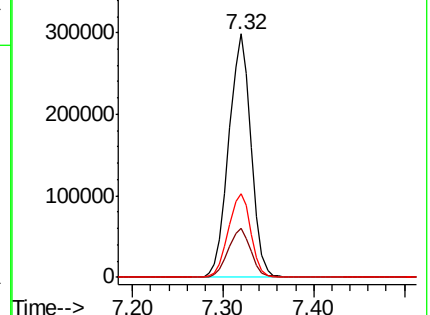
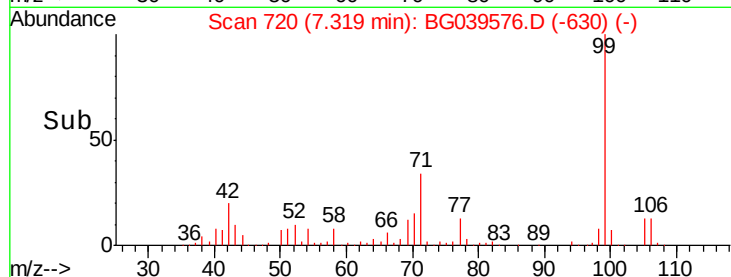
99 100

42 19.9 18.2 27.2

71 34.1 28.0 42.0



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



#8

2-Chlorophenol

Concen: 43.178 ng

RT: 7.73 min Scan# 790

Delta R.T. -0.01 min

Lab File: BG039576.D

Acq: 21 Feb 2019 18:10

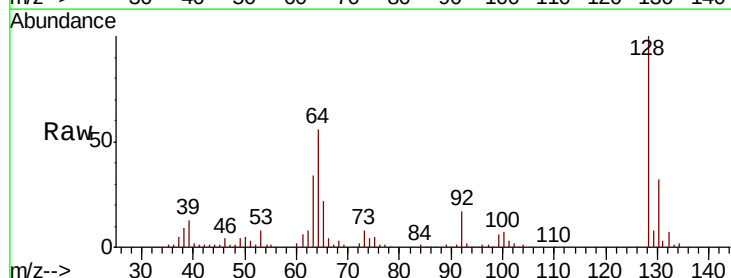
Tgt Ion: 128 Resp: 137515

Ion Ratio Lower Upper

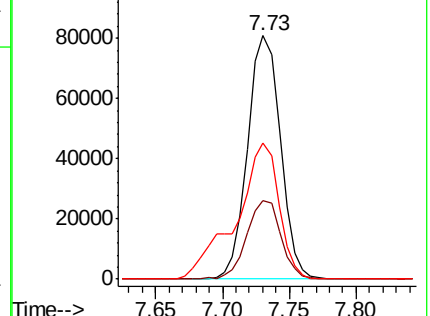
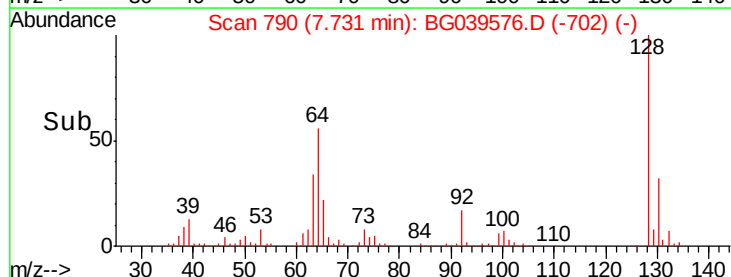
128 100

130 32.2 12.9 52.9

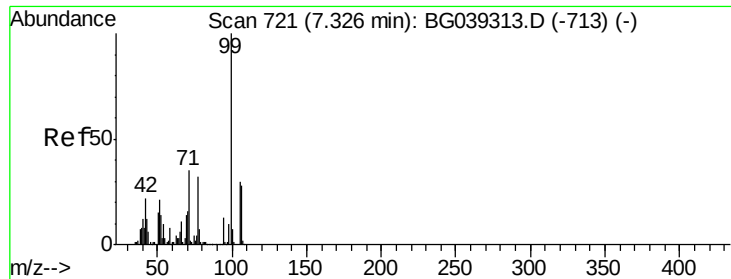
64 55.7 38.7 78.7



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: 55.841 ng

RT: 7.31 min Scan# 718

Delta R.T. -0.02 min

Lab File: BG039576.D

Acq: 21 Feb 2019 18:10

Instrument :

BNA\_G

ClientSampleId :

OR-02-021919-AMSD

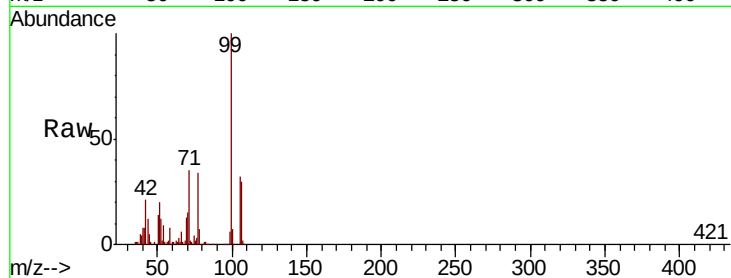
Tot Ion: 77 Resp: 106899

Ion Ratio Lower Upper

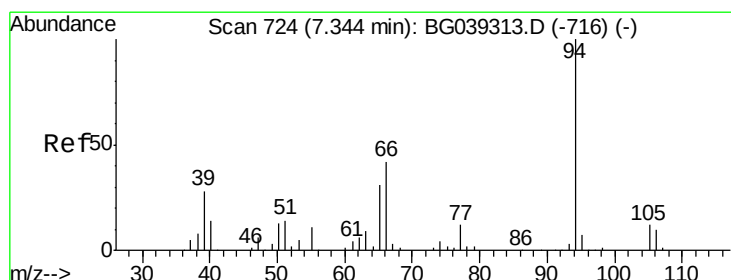
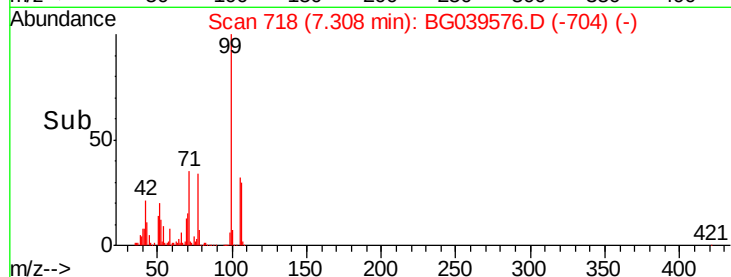
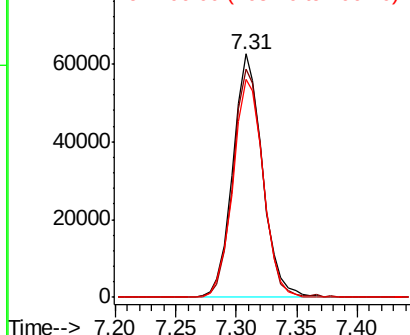
77 100

105 93.8 74.5 114.5

106 89.3 68.0 108.0



Abundance Ion 77.00 (76.70 to 77.70): BGC  
Ion 105.00 (104.70 to 105.70): BGC  
Ion 106.00 (105.70 to 106.70): BGC



#10

Phenol

Concen: 35.572 ng

RT: 7.34 min Scan# 724

Delta R.T. -0.00 min

Lab File: BG039576.D

Acq: 21 Feb 2019 18:10

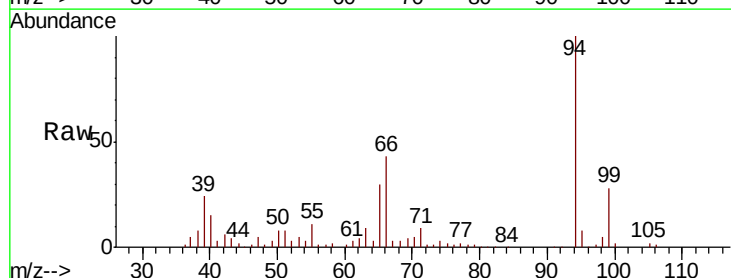
Tgt Ion: 94 Resp: 159032

Ion Ratio Lower Upper

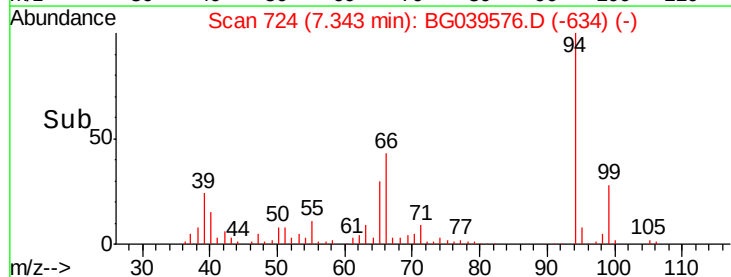
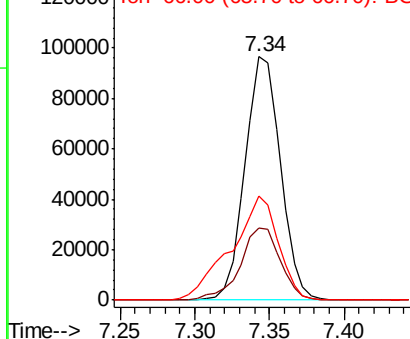
94 100

65 29.8 11.7 51.7

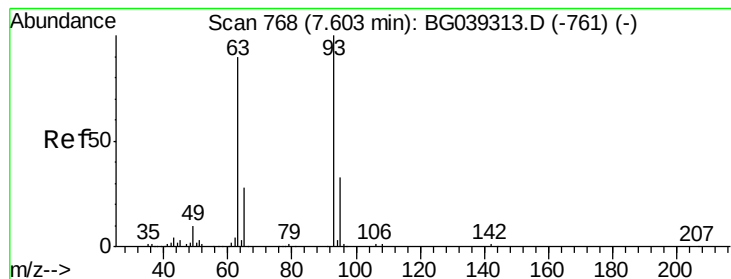
66 42.5 23.7 63.7



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: 38.101 ng

RT: 7.58 min Scan# 765

Delta R.T. -0.02 min

Lab File: BG039576.D

Acq: 21 Feb 2019 18:10

Instrument :

BNA\_G

ClientSampleId :

OR-02-021919-AMSD

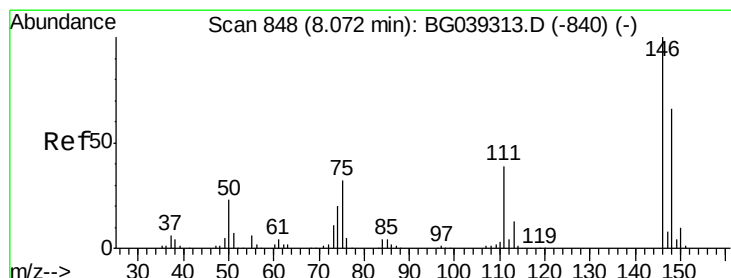
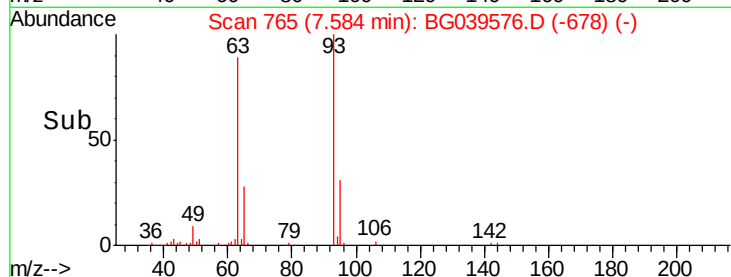
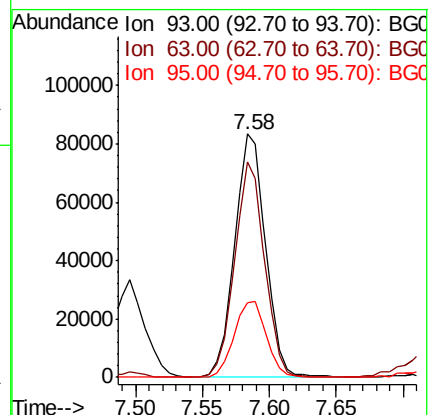
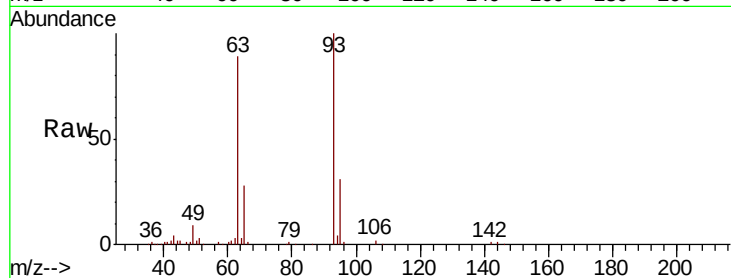
Tot Ion: 93 Resp: 134598

Ion Ratio Lower Upper

93 100

63 88.6 69.5 109.5

95 30.7 12.7 52.7



#12

1,3-Dichlorobenzene

Concen: 37.122 ng

RT: 8.05 min Scan# 845

Delta R.T. -0.02 min

Lab File: BG039576.D

Acq: 21 Feb 2019 18:10

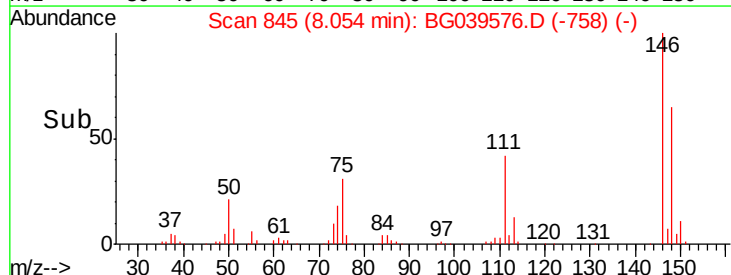
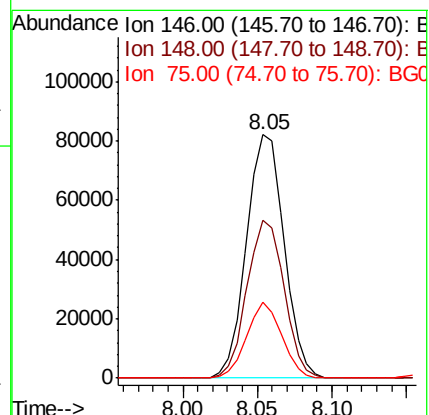
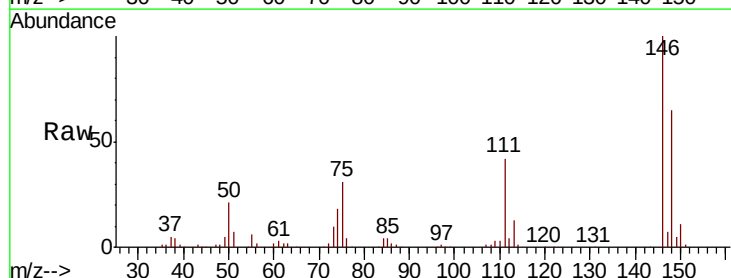
Tgt Ion: 146 Resp: 143224

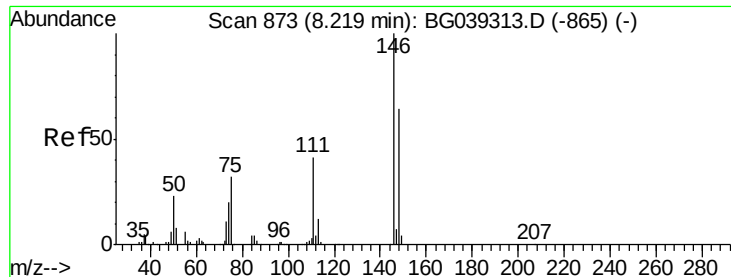
Ion Ratio Lower Upper

146 100

148 64.6 52.6 79.0

75 31.1 25.8 38.6

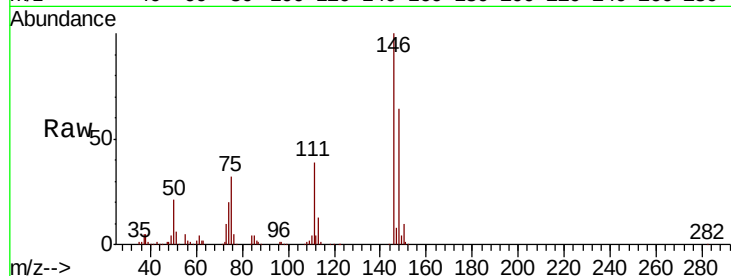




#13  
 1,4-Dichlorobenzene  
 Concen: 37.546 ng  
 RT: 8.21 min Scan# 871  
 Delta R.T. -0.01 min  
 Lab File: BG039576.D  
 Acq: 21 Feb 2019 18:10

Instrument :  
 BNA\_G  
 ClientSampleId :  
 OR-02-021919-AMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 64.4  | 51.1  | 76.7  |
| 111     | 38.8  | 32.6  | 48.8  |

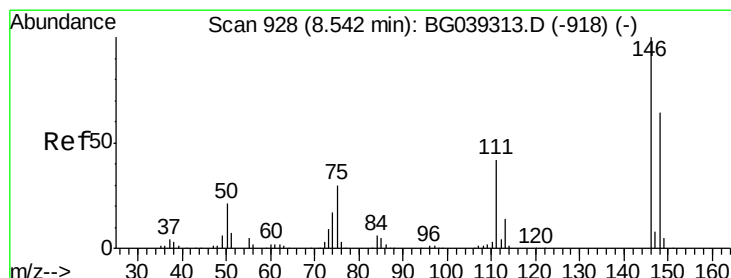
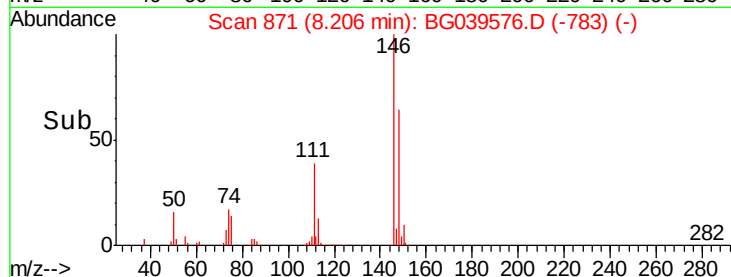
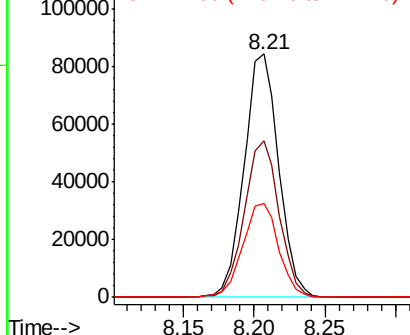


Abundance

Ion 146.00 (145.70 to 146.70): E

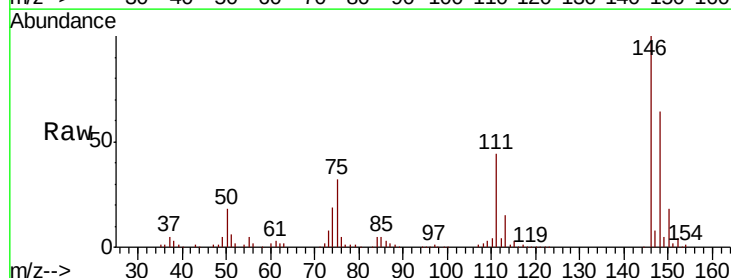
Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14  
 1,2-Dichlorobenzene  
 Concen: 38.136 ng  
 RT: 8.52 min Scan# 925  
 Delta R.T. -0.02 min  
 Lab File: BG039576.D  
 Acq: 21 Feb 2019 18:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 64.3  | 51.5  | 77.3  |
| 111     | 44.1  | 33.8  | 50.6  |

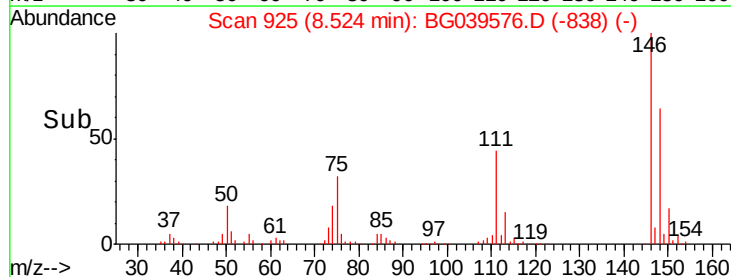
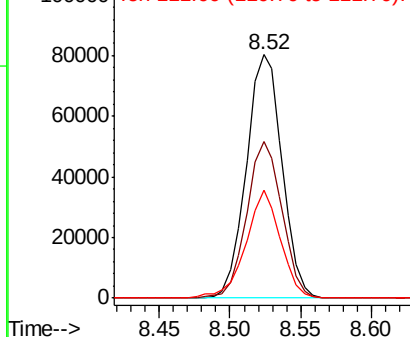


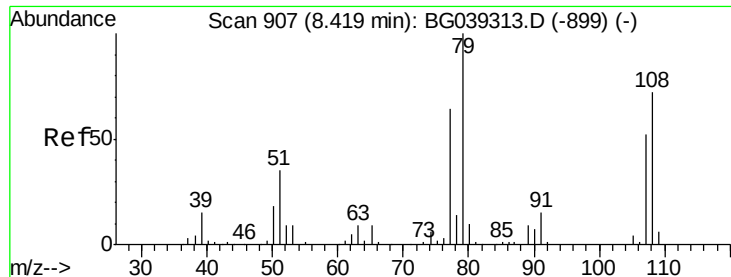
Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 39.921 ng

RT: 8.41 min Scan# 905

Delta R.T. -0.01 min

Lab File: BG039576.D

Acq: 21 Feb 2019 18:10

Instrument :

BNA\_G

ClientSampleId :

OR-02-021919-AMSD

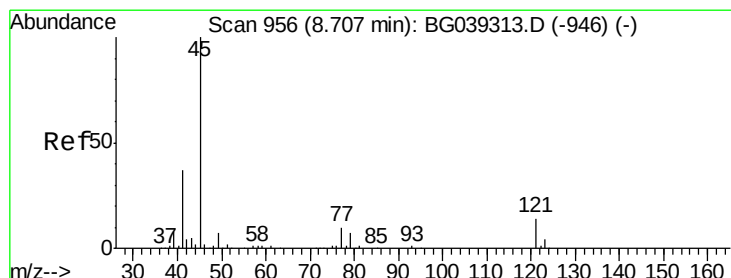
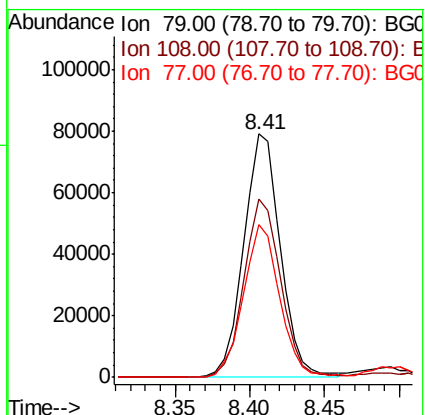
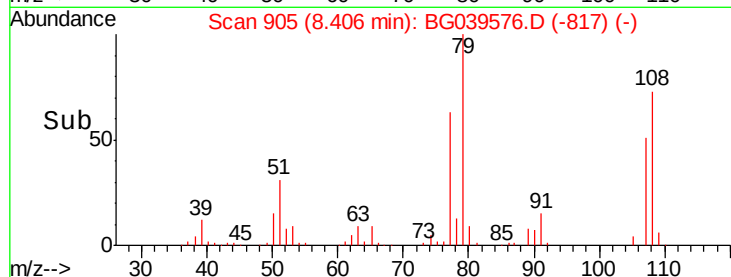
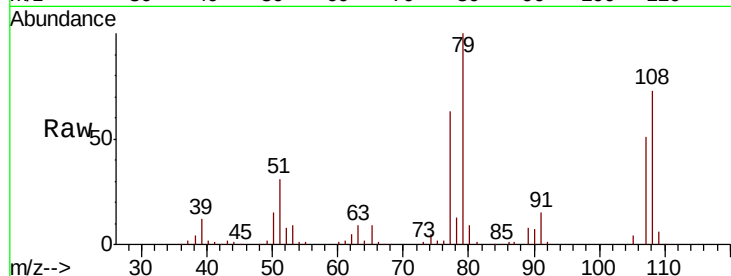
Tot Ion: 79 Resp: 134416

Ion Ratio Lower Upper

79 100

108 73.4 57.8 86.6

77 62.8 51.1 76.7



#16

2,2'-oxybis(1-Chloropropane)

Concen: 32.166 ng

RT: 8.69 min Scan# 953

Delta R.T. -0.02 min

Lab File: BG039576.D

Acq: 21 Feb 2019 18:10

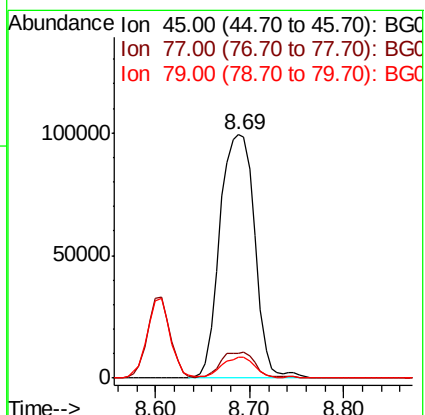
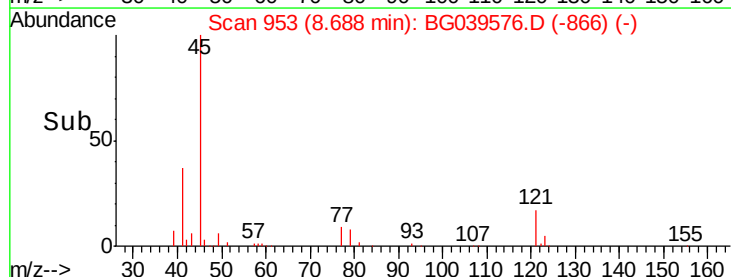
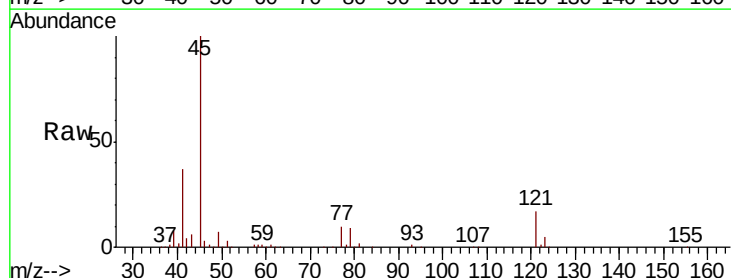
Tgt Ion: 45 Resp: 256613

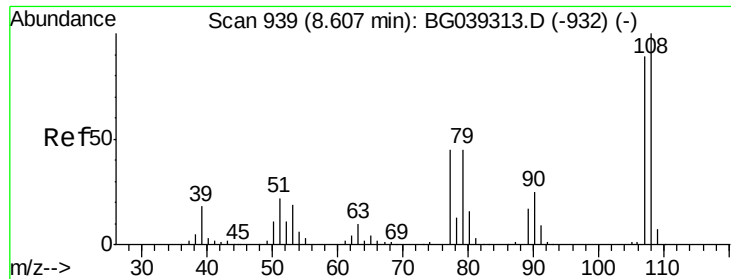
Ion Ratio Lower Upper

45 100

77 10.0 0.0 30.0

79 8.8 0.0 27.5

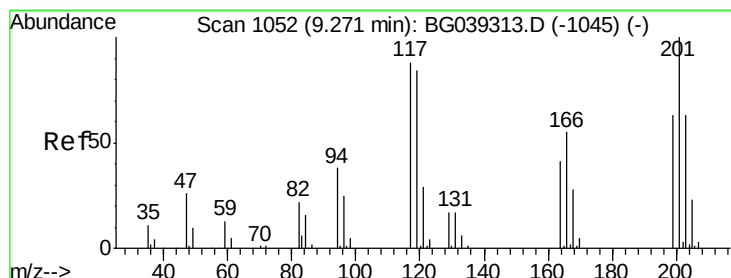
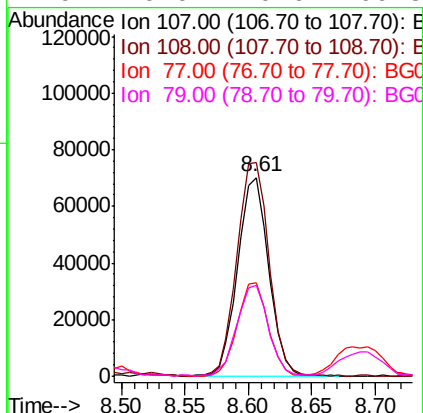
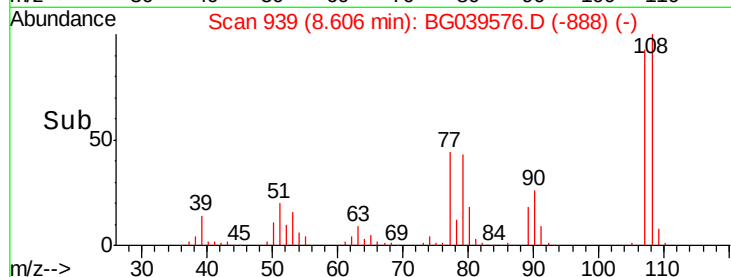
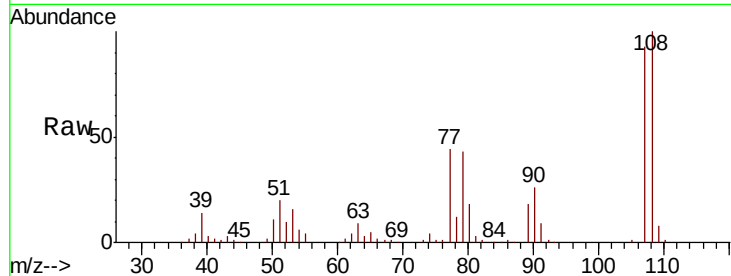




#17  
2-Methylphenol  
Concen: 40.999 ng  
RT: 8.61 min Scan# 939  
Delta R.T. -0.00 min  
Lab File: BG039576.D  
Acq: 21 Feb 2019 18:10

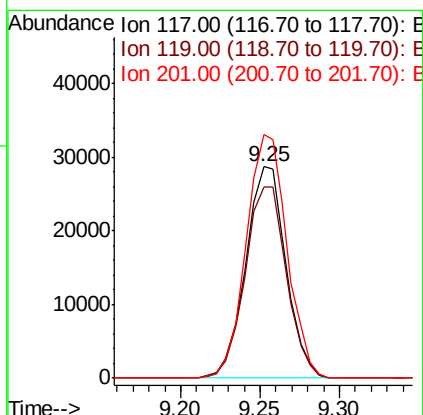
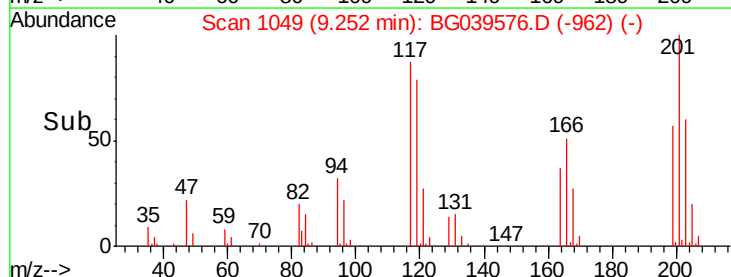
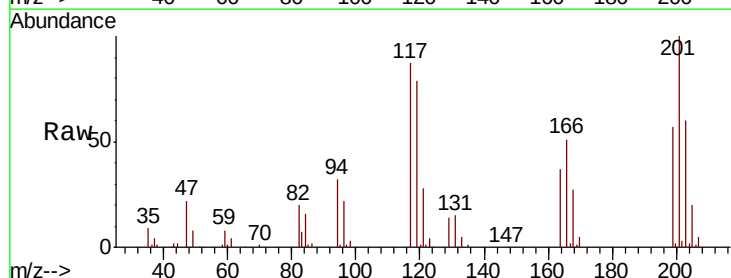
Instrument :  
BNA\_G  
ClientSampleId :  
OR-02-021919-AMSD

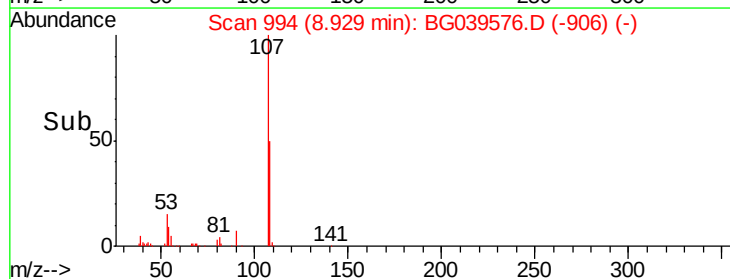
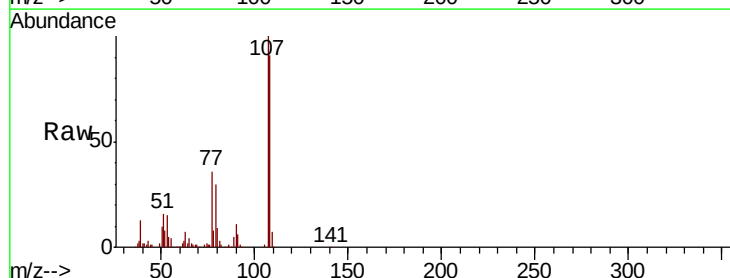
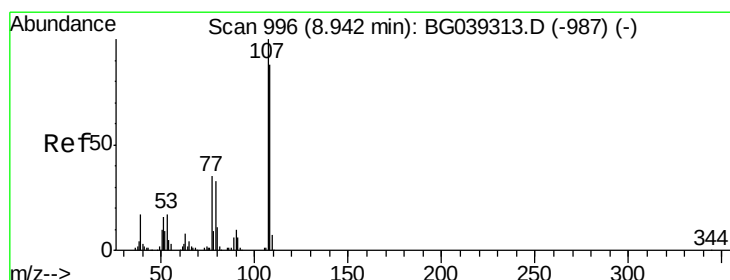
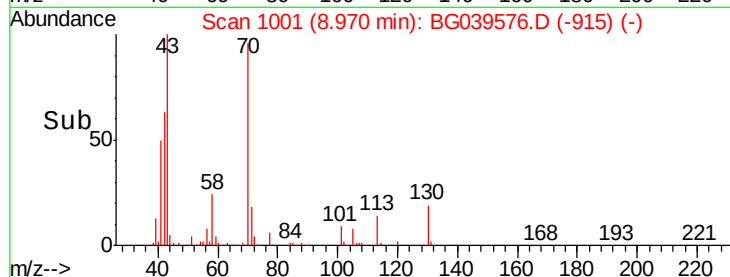
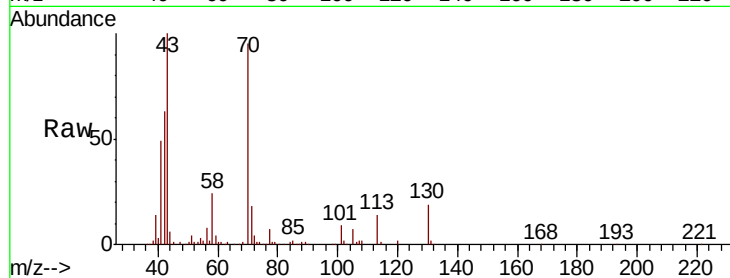
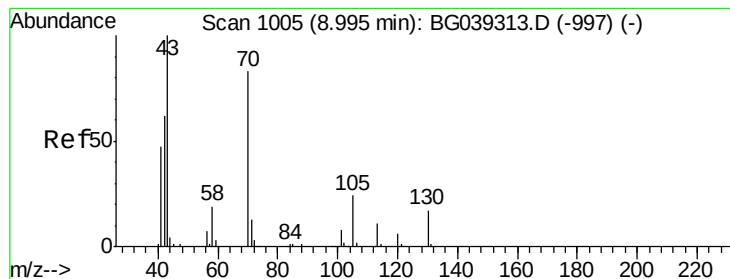
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 107   | Resp: | 118615 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 107.4 | 90.8  | 136.2  |
| 77       | 46.8  | 40.7  | 61.1   |
| 79       | 46.0  | 40.6  | 60.8   |



#18  
Hexachloroethane  
Concen: 38.266 ng  
RT: 9.25 min Scan# 1049  
Delta R.T. -0.02 min  
Lab File: BG039576.D  
Acq: 21 Feb 2019 18:10

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 50627 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 90.5  | 76.3  | 114.5 |
| 201      | 115.2 | 91.1  | 136.7 |





#19

n-Nitroso-di-n-propylamine

Concen: 36.945 ng

RT: 8.97 min Scan# 1001

Delta R.T. -0.02 min

Lab File: BG039576.D

Acq: 21 Feb 2019 18:10

Instrument :

BNA\_G

ClientSampleId :

OR-02-021919-AMSD

Tot Ion: 70 Resp: 112461

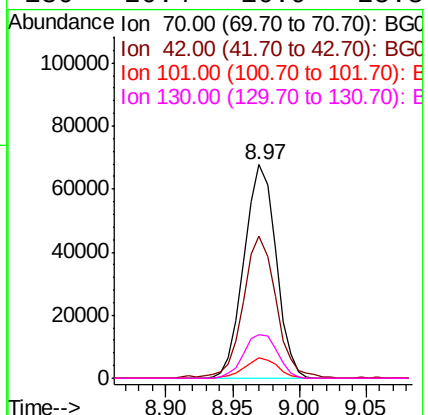
Ion Ratio Lower Upper

70 100

42 66.4 60.4 90.6

101 9.4 7.5 11.3

130 20.4 16.9 25.3



#20

3+4-Methylphenols

Concen: 41.167 ng

RT: 8.93 min Scan# 994

Delta R.T. -0.01 min

Lab File: BG039576.D

Acq: 21 Feb 2019 18:10

Tgt Ion:107 Resp: 164009

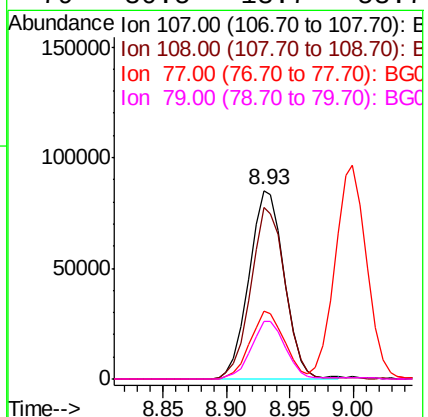
Ion Ratio Lower Upper

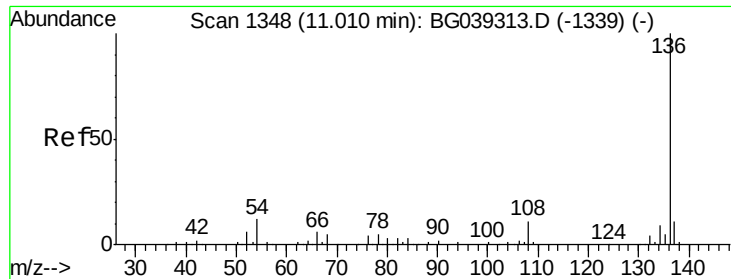
107 100

108 90.8 67.9 107.9

77 36.1 15.4 55.4

79 30.5 13.7 53.7

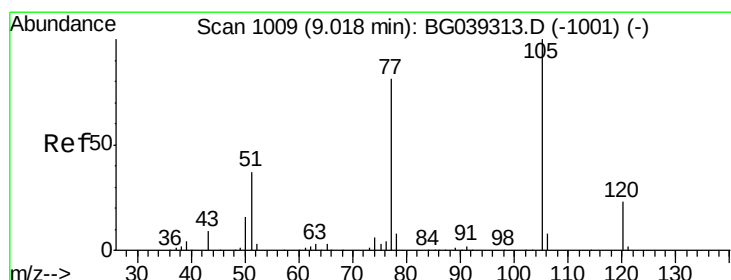
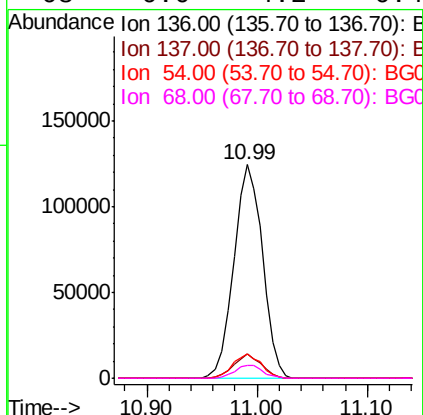
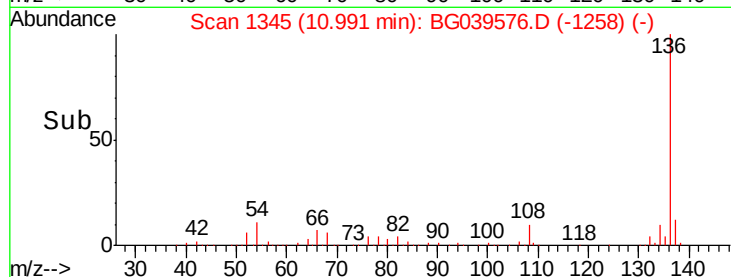
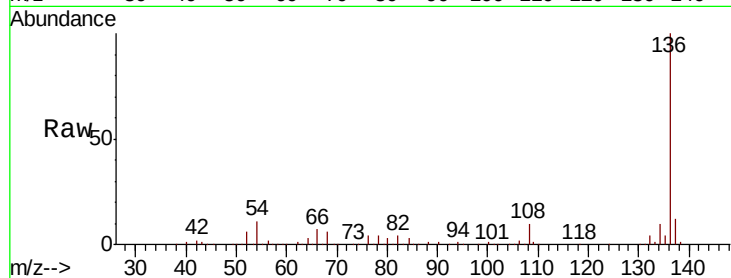




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.99 min Scan# 1345  
Delta R.T. -0.02 min  
Lab File: BG039576.D  
Acq: 21 Feb 2019 18:10

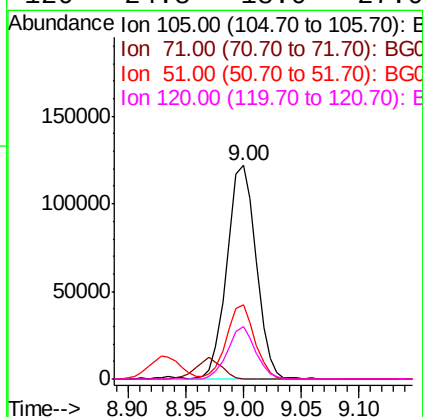
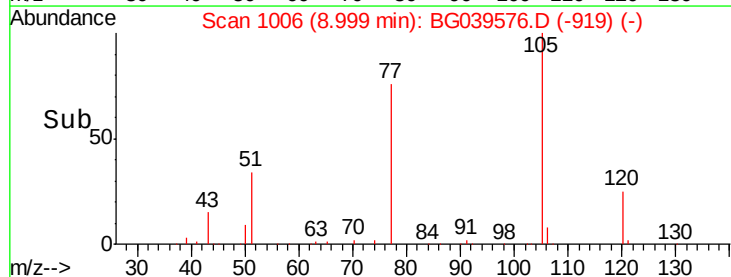
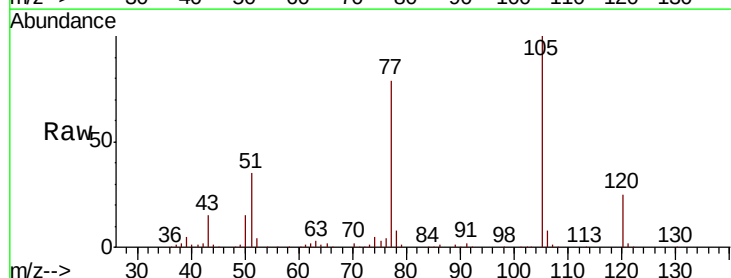
Instrument :  
BNA\_G  
ClientSampleId :  
OR-02-021919-AMSD

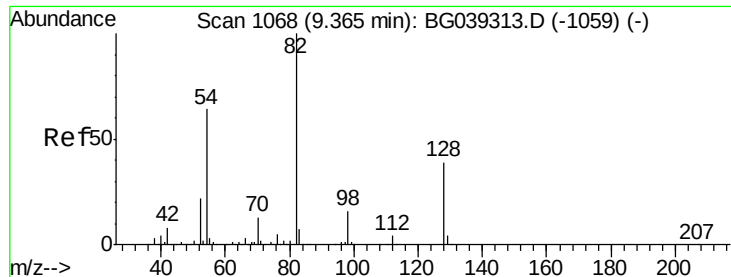
|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 226750   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 11.6  | 9.1 13.7 |
| 54          | 11.4  | 9.4 14.2 |
| 68          | 6.0   | 4.2 6.4  |



#22  
Acetophenone  
Concen: 35.068 ng  
RT: 9.00 min Scan# 1006  
Delta R.T. -0.02 min  
Lab File: BG039576.D  
Acq: 21 Feb 2019 18:10

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:105 | Resp: | 213594    |
| Ion Ratio   | Lower | Upper     |
| 105         | 100   |           |
| 71          | 0.3   | 0.8 1.2#  |
| 51          | 34.8  | 30.2 45.2 |
| 120         | 24.8  | 18.0 27.0 |

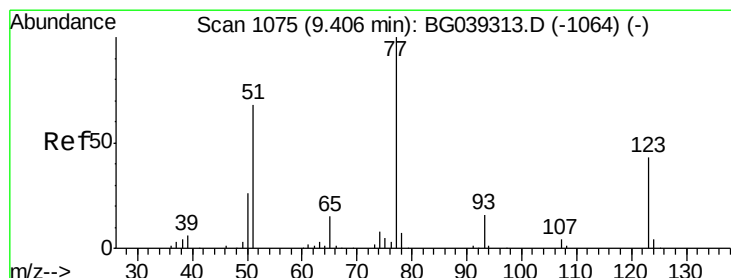
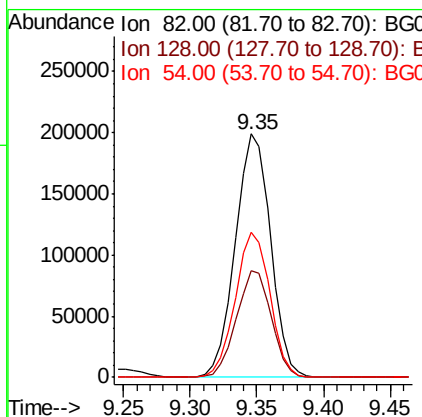
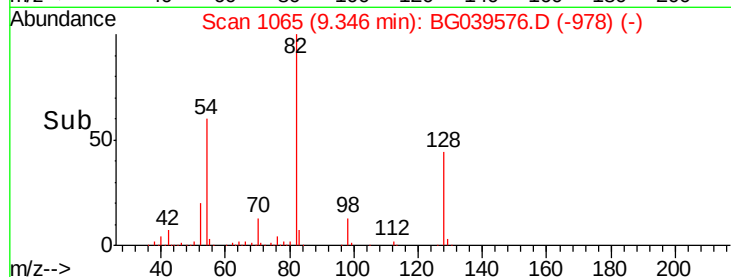
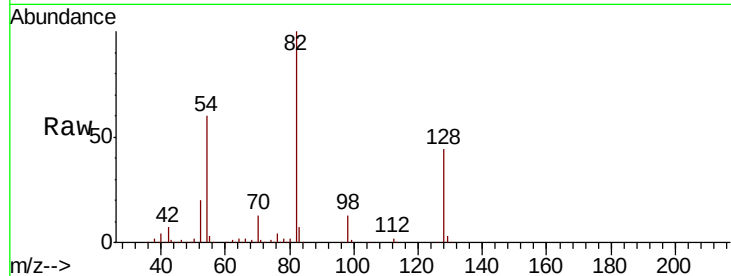




#23  
 Nitrobenzene-d5  
 Concen: 100.400 ng  
 RT: 9.35 min Scan# 1065  
 Delta R.T. -0.02 min  
 Lab File: BG039576.D  
 Acq: 21 Feb 2019 18:10

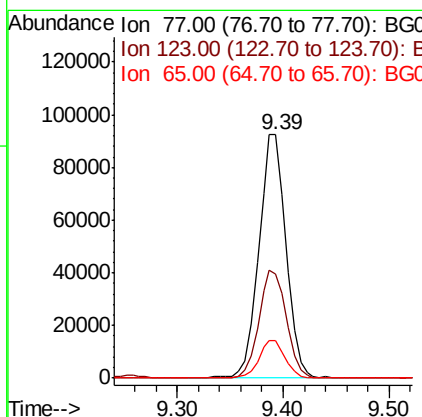
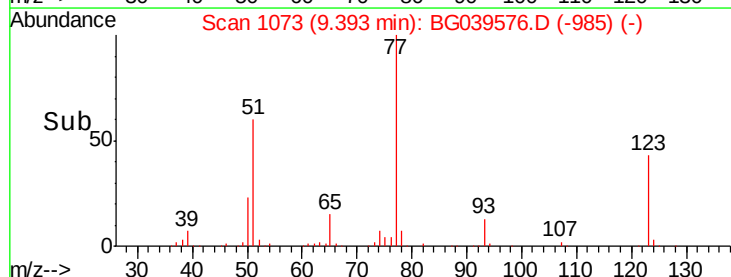
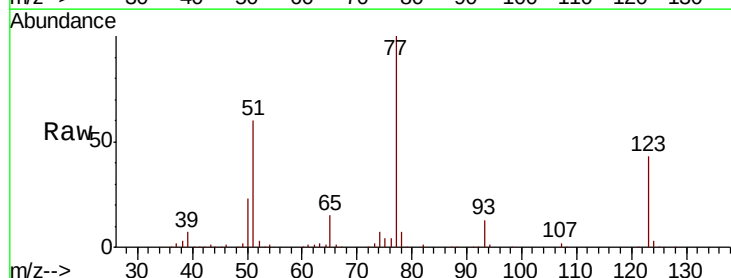
Instrument :  
 BNA\_G  
 ClientSampleId :  
 OR-02-021919-AMSD

Tot Ion: 82 Resp: 364418  
 Ion Ratio Lower Upper  
 82 100  
 128 43.9 31.3 46.9  
 54 59.8 50.9 76.3

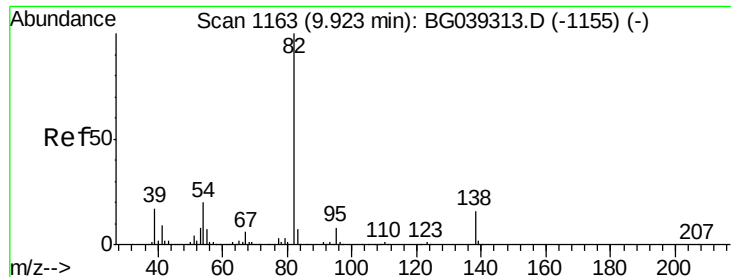


#24  
 Nitrobenzene  
 Concen: 42.213 ng  
 RT: 9.39 min Scan# 1073  
 Delta R.T. -0.01 min  
 Lab File: BG039576.D  
 Acq: 21 Feb 2019 18:10

Tgt Ion: 77 Resp: 165525  
 Ion Ratio Lower Upper  
 77 100  
 123 42.9 34.1 51.1  
 65 15.2 12.3 18.5



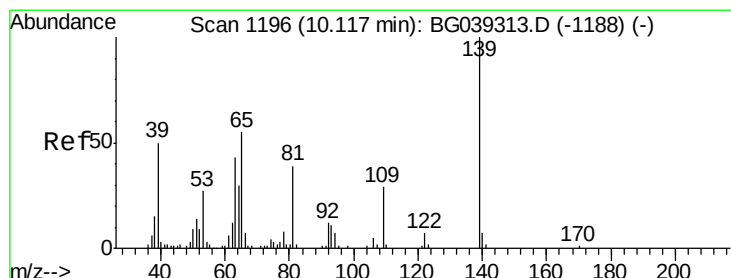
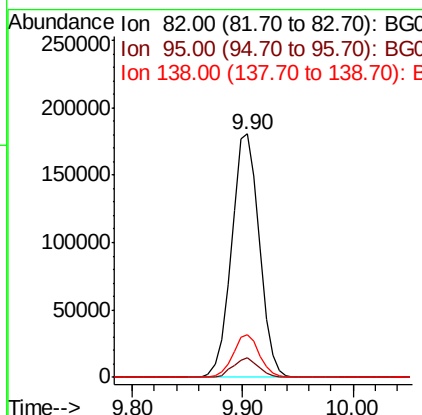
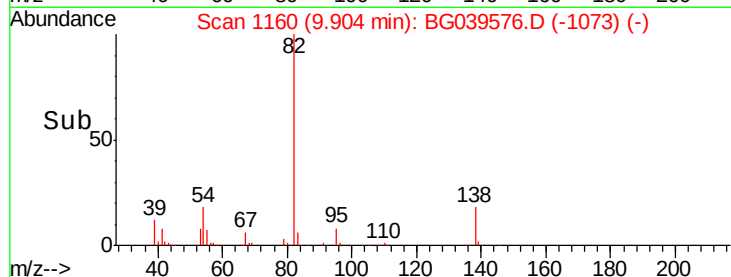
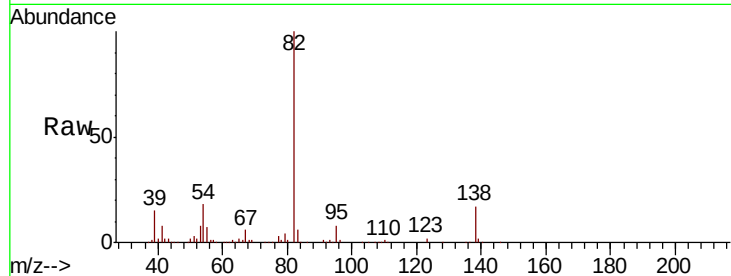




#25  
Isophorone  
Concen: 39.549 ng  
RT: 9.90 min Scan# 1160  
Delta R.T. -0.02 min  
Lab File: BG039576.D  
Acq: 21 Feb 2019 18:10

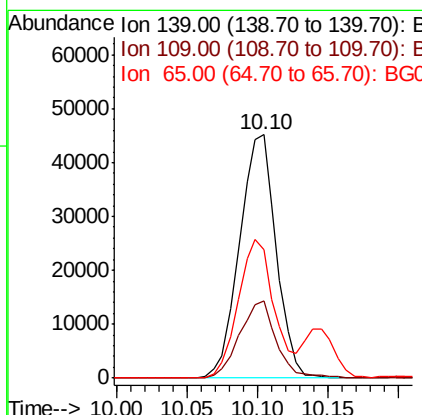
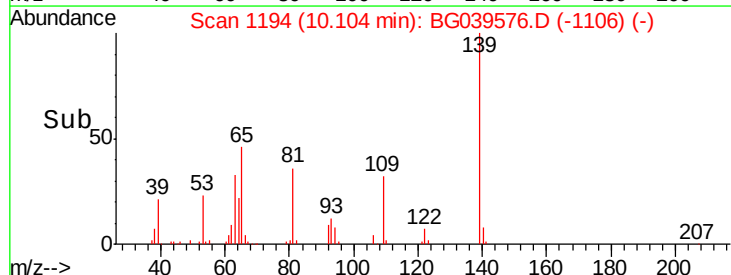
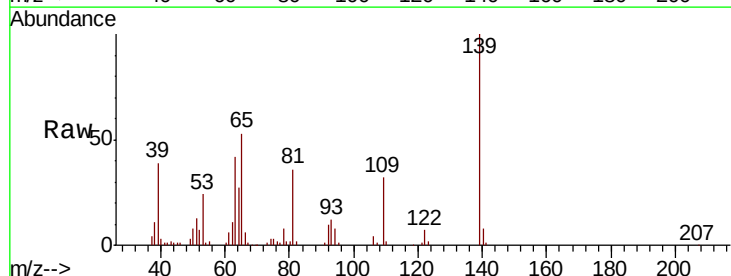
Instrument :  
BNA\_G  
ClientSampleId :  
OR-02-021919-AMSD

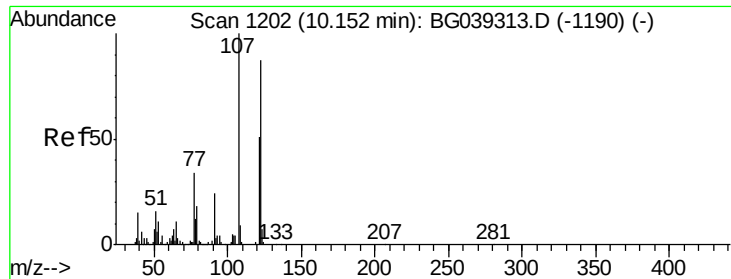
Tot Ion: 82 Resp: 318102  
Ion Ratio Lower Upper  
82 100  
95 8.1 6.2 9.2  
138 17.5 13.0 19.4



#26  
2-Nitrophenol  
Concen: 51.871 ng  
RT: 10.10 min Scan# 1194  
Delta R.T. -0.01 min  
Lab File: BG039576.D  
Acq: 21 Feb 2019 18:10

Tgt Ion: 139 Resp: 81733  
Ion Ratio Lower Upper  
139 100  
109 31.6 23.4 35.0  
65 52.9 44.3 66.5

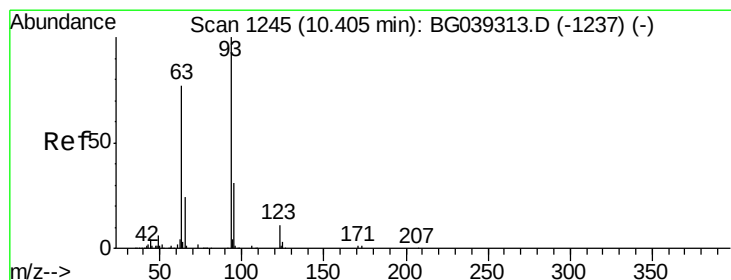
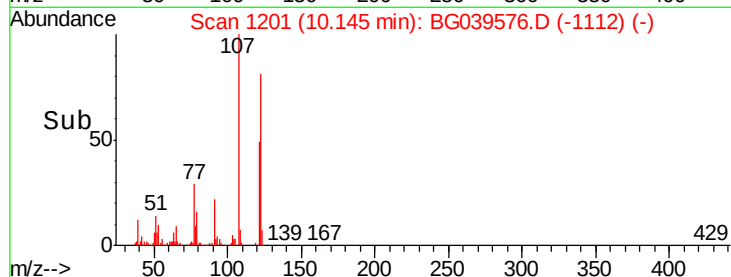
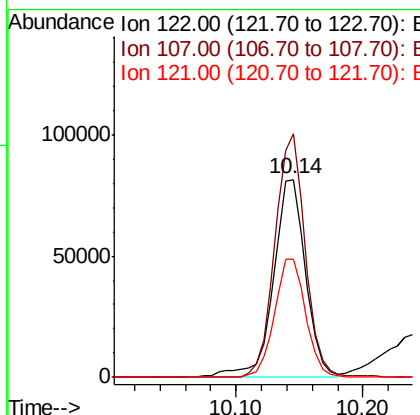
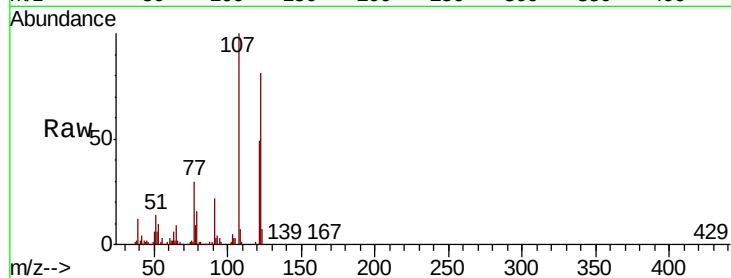




#27  
 2,4-Dimethylphenol  
 Concen: 44.039 ng  
 RT: 10.14 min Scan# 1201  
 Delta R.T. -0.01 min  
 Lab File: BG039576.D  
 Acq: 21 Feb 2019 18:10

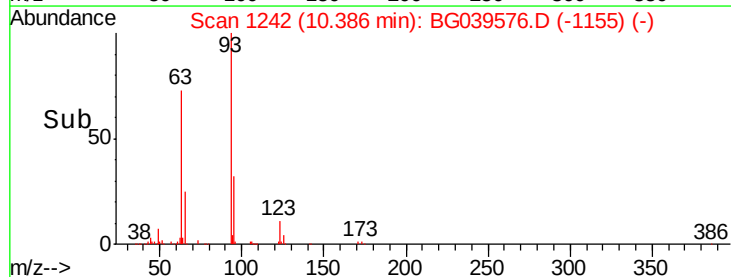
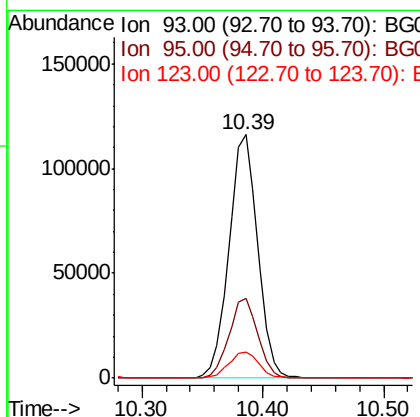
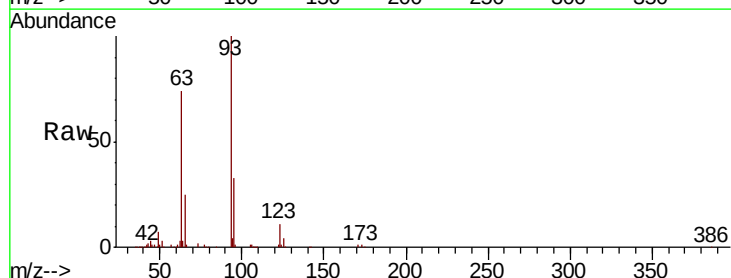
Instrument :  
 BNA\_G  
 ClientSampleId :  
 OR-02-021919-AMSD

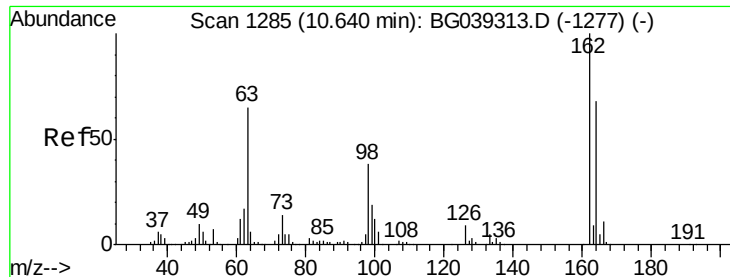
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 123.2 | 91.7  | 137.5 |
| 121     | 60.0  | 46.4  | 69.6  |



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 38.677 ng  
 RT: 10.39 min Scan# 1242  
 Delta R.T. -0.02 min  
 Lab File: BG039576.D  
 Acq: 21 Feb 2019 18:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 32.7  | 25.0  | 37.4  |
| 123     | 10.9  | 8.6   | 12.8  |

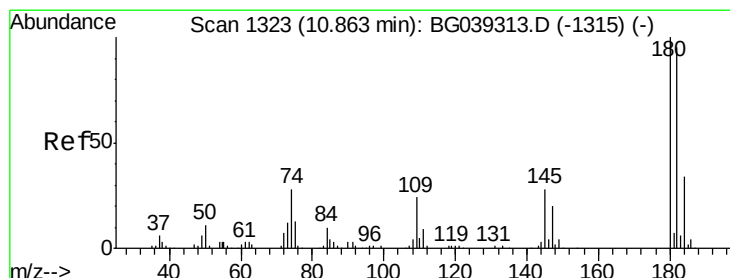
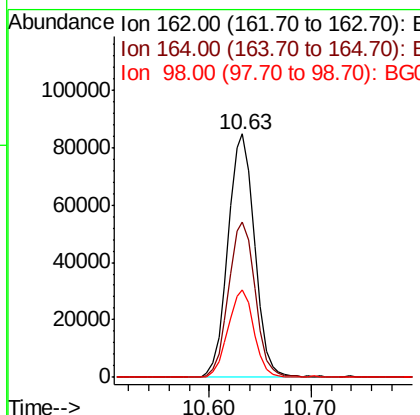
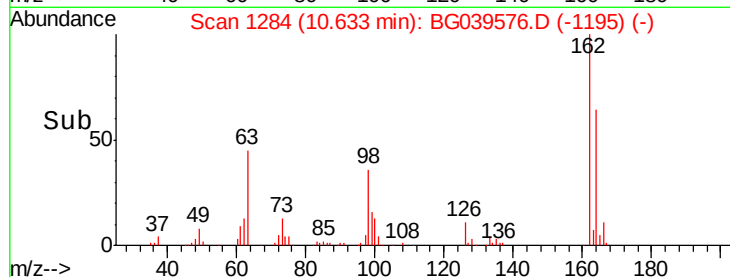
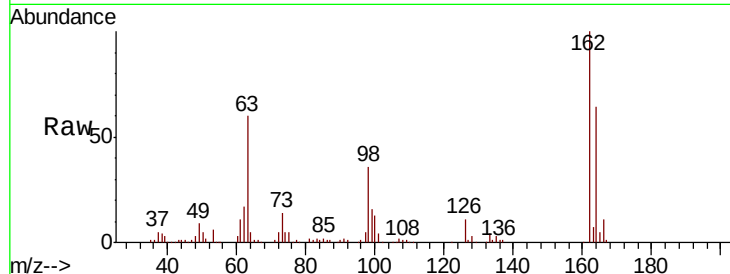




#29  
 2,4-Dichlorophenol  
 Concen: 43.365 ng  
 RT: 10.63 min Scan# 1284  
 Delta R.T. -0.01 min  
 Lab File: BG039576.D  
 Acq: 21 Feb 2019 18:10

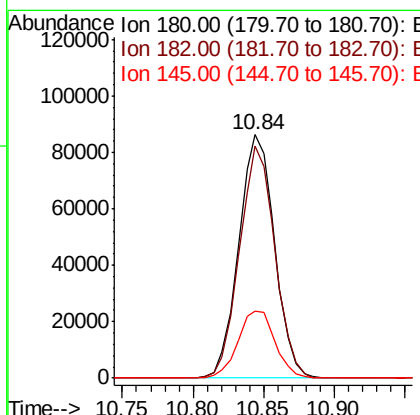
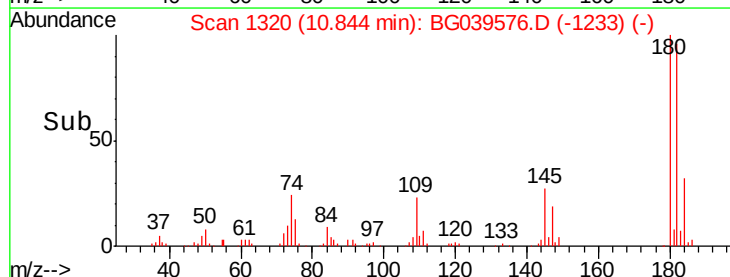
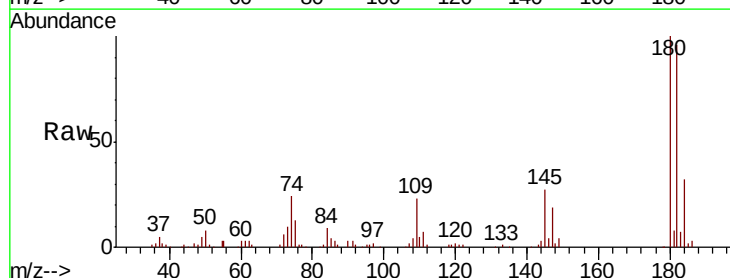
Instrument :  
 BNA\_G  
 ClientSampleId :  
 OR-02-021919-AMSD

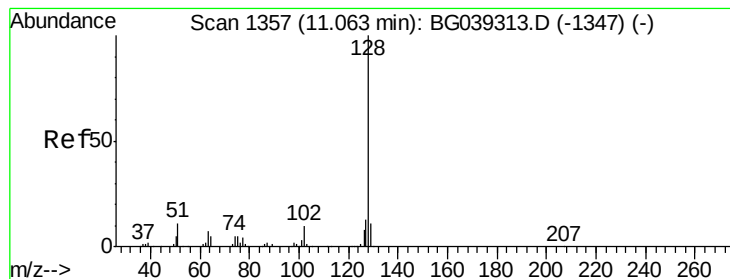
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 64.0  | 48.1  | 88.1  |
| 98      | 36.1  | 18.1  | 58.1  |



#30  
 1,2,4-Trichlorobenzene  
 Concen: 38.122 ng  
 RT: 10.84 min Scan# 1320  
 Delta R.T. -0.02 min  
 Lab File: BG039576.D  
 Acq: 21 Feb 2019 18:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.6  | 76.0  | 114.0 |
| 145     | 27.4  | 22.7  | 34.1  |

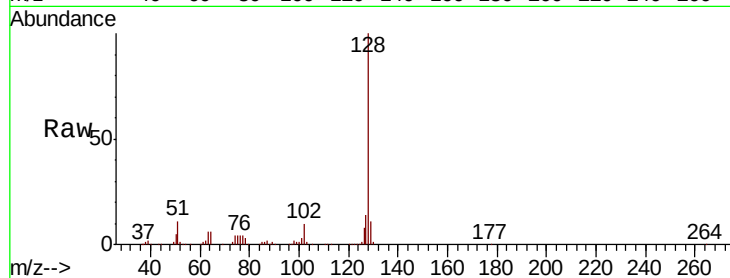




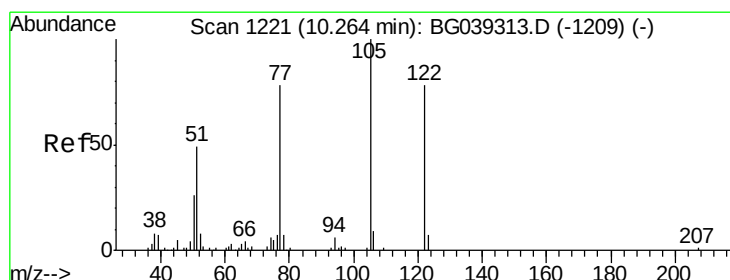
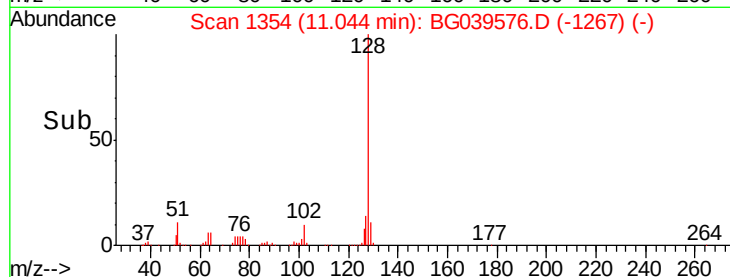
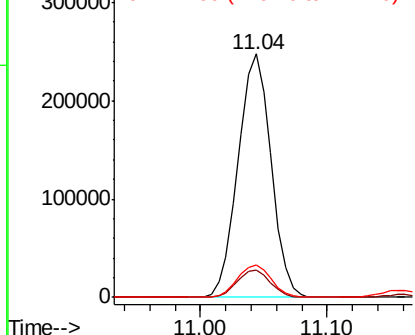
#31  
Naphthalene  
Concen: 39.743 ng  
RT: 11.04 min Scan# 1354  
Delta R.T. -0.02 min  
Lab File: BG039576.D  
Acq: 21 Feb 2019 18:10

Instrument :  
BNA\_G  
ClientSampleId :  
OR-02-021919-AMSD

Tot Ion:128 Resp: 447063  
Ion Ratio Lower Upper  
128 100  
129 11.1 8.7 13.1  
127 13.6 10.8 16.2

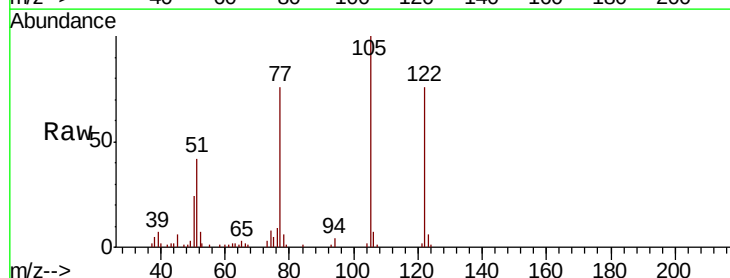


Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E

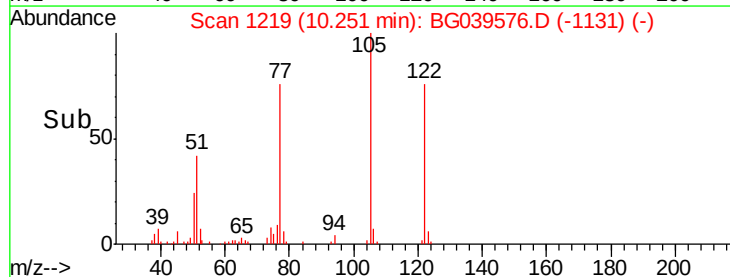
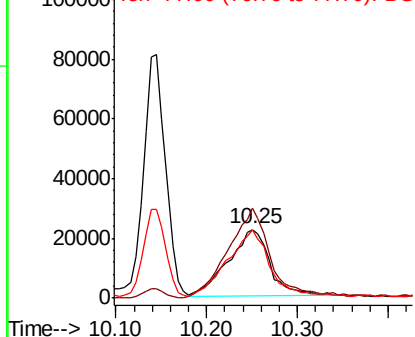


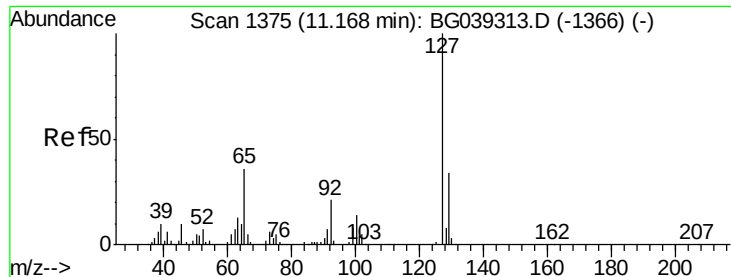
#32  
Benzoic acid  
Concen: 36.591 ng  
RT: 10.25 min Scan# 1219  
Delta R.T. -0.01 min  
Lab File: BG039576.D  
Acq: 21 Feb 2019 18:10

Tgt Ion:122 Resp: 72335  
Ion Ratio Lower Upper  
122 100  
105 132.3 101.8 141.8  
77 100.7 76.3 116.3



Abundance Ion 122.00 (121.70 to 122.70): E  
Ion 105.00 (104.70 to 105.70): E  
Ion 77.00 (76.70 to 77.70): BG

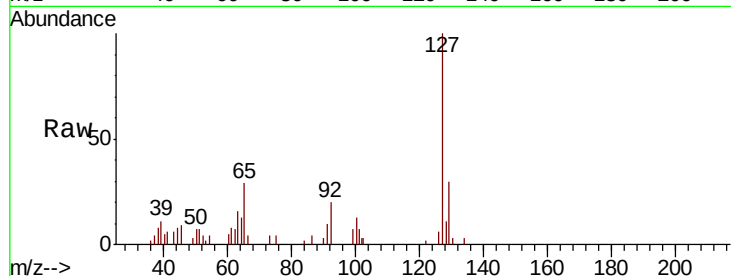




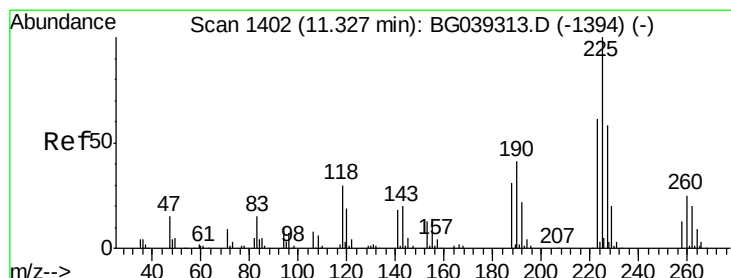
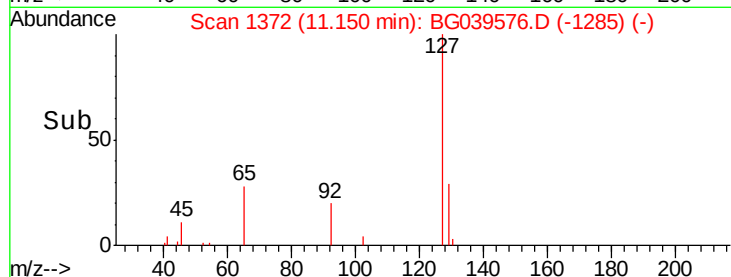
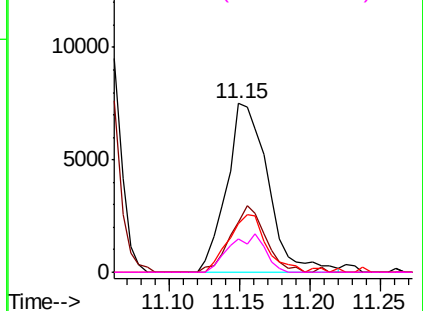
#33  
4-Chloroaniline  
Concen: 2.942 ng  
RT: 11.15 min Scan# 1372  
Delta R.T. -0.02 min  
Lab File: BG039576.D  
Acq: 21 Feb 2019 18:10

Instrument :  
BNA\_G  
ClientSampleId :  
OR-02-021919-AMSD

|             |       |            |
|-------------|-------|------------|
| Tot Ion:127 | Resp: | 15345      |
| Ion Ratio   | Lower | Upper      |
| 127         | 100   |            |
| 129         | 29.9  | 27.0 40.4  |
| 65          | 28.6  | 28.8 43.2# |
| 92          | 19.7  | 16.6 25.0  |

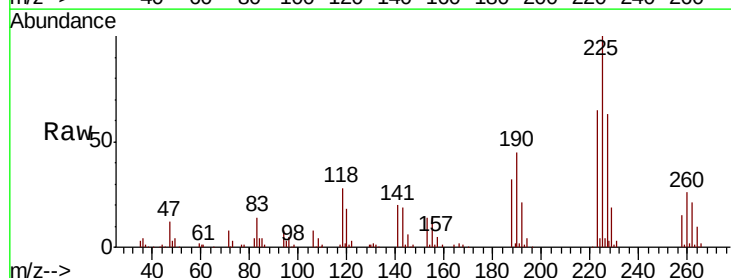


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BGC  
Ion 92.00 (91.70 to 92.70): BGC

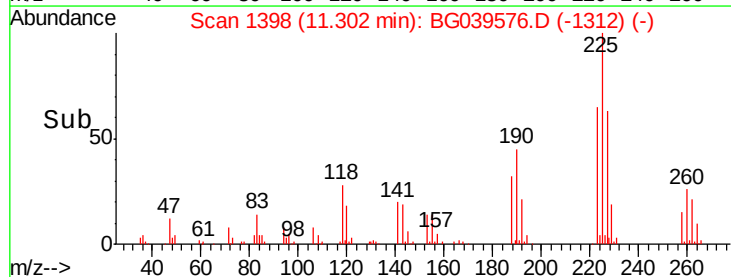
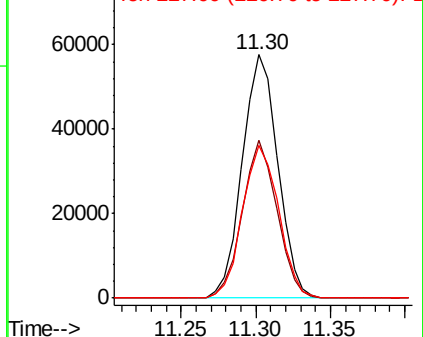


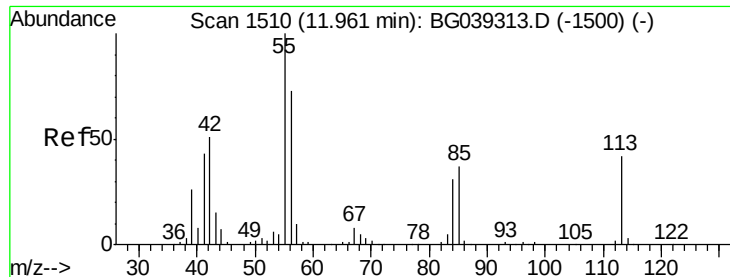
#34  
Hexachlorobutadiene  
Concen: 35.744 ng  
RT: 11.30 min Scan# 1398  
Delta R.T. -0.02 min  
Lab File: BG039576.D  
Acq: 21 Feb 2019 18:10

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:225 | Resp: | 94904     |
| Ion Ratio   | Lower | Upper     |
| 225         | 100   |           |
| 223         | 64.8  | 49.0 73.6 |
| 227         | 62.6  | 46.3 69.5 |



Abundance Ion 225.00 (224.70 to 225.70): E  
Ion 223.00 (222.70 to 223.70): E  
Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 26.007 ng

RT: 11.93 min Scan# 1505

Delta R.T. -0.03 min

Lab File: BG039576.D

Acq: 21 Feb 2019 18:10

Instrument :

BNA\_G

ClientSampleId :

OR-02-021919-AMSD

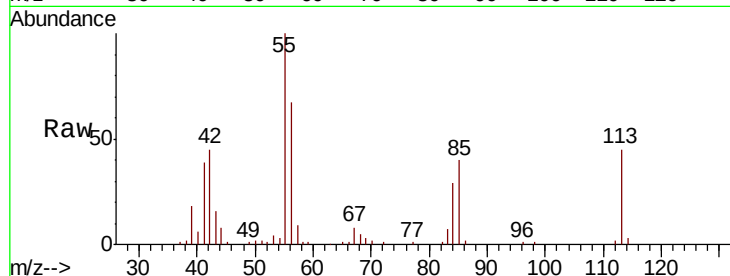
Tot Ion:113 Resp: 38270

Ion Ratio Lower Upper

113 100

55 223.2 216.9 256.9

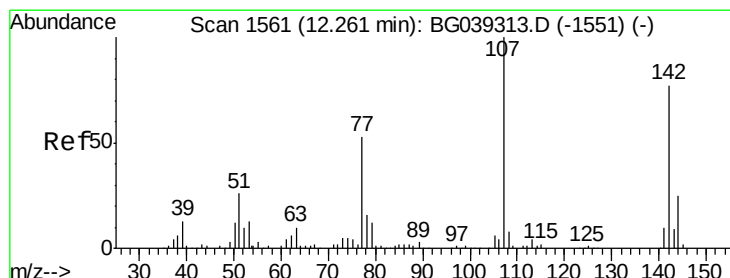
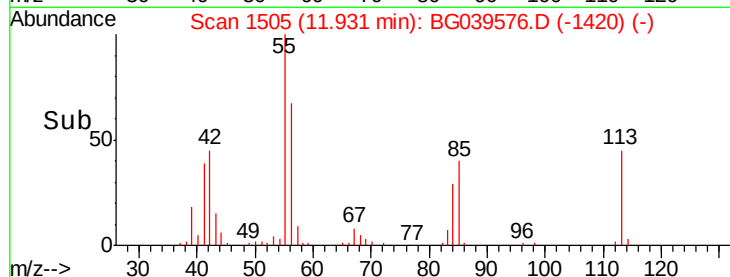
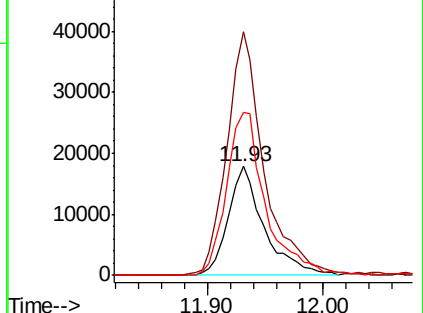
56 149.4 152.6 192.6#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG0

Ion 56.00 (55.70 to 56.70): BG0



#36

4-Chloro-3-methylphenol

Concen: 40.891 ng

RT: 12.25 min Scan# 1560

Delta R.T. -0.01 min

Lab File: BG039576.D

Acq: 21 Feb 2019 18:10

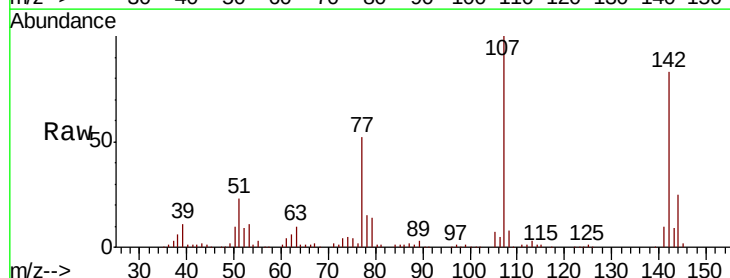
Tgt Ion:107 Resp: 168167

Ion Ratio Lower Upper

107 100

144 25.4 20.2 30.2

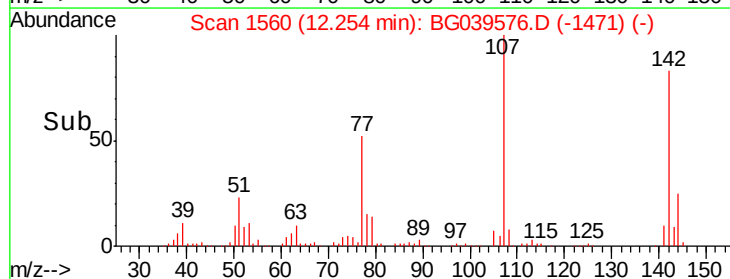
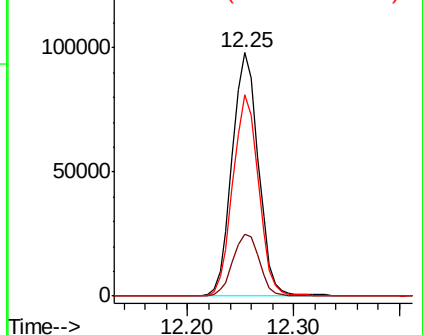
142 82.6 61.4 92.2

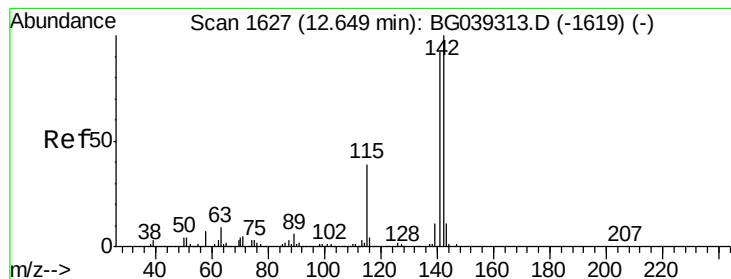


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 40.619 ng

RT: 12.63 min Scan# 1624

Delta R.T. -0.02 min

Lab File: BG039576.D

Acq: 21 Feb 2019 18:10

Instrument :

BNA\_G

ClientSampleId :

OR-02-021919-AMSD

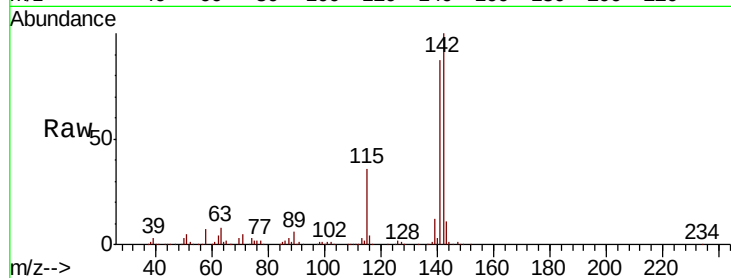
Tot Ion:142 Resp: 338420

Ion Ratio Lower Upper

142 100

141 86.9 73.5 110.3

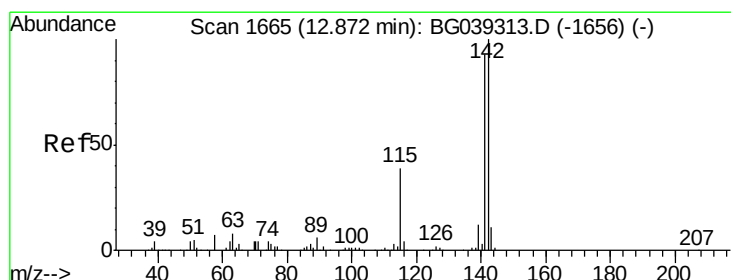
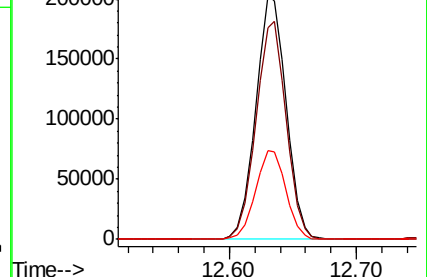
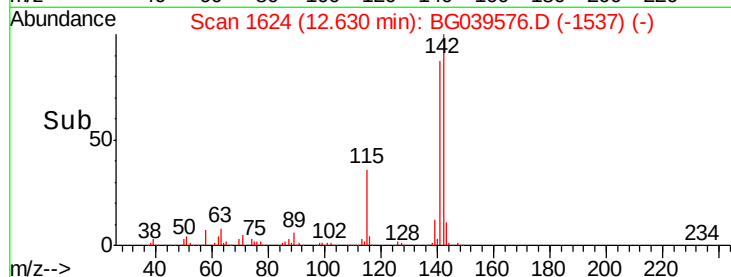
115 36.2 30.8 46.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 40.127 ng

RT: 12.85 min Scan# 1662

Delta R.T. -0.02 min

Lab File: BG039576.D

Acq: 21 Feb 2019 18:10

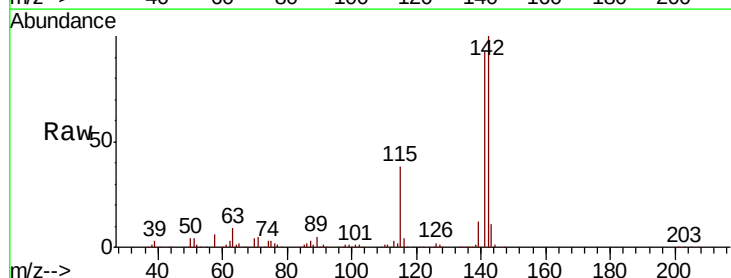
Tgt Ion:142 Resp: 322266

Ion Ratio Lower Upper

142 100

141 93.3 74.2 111.4

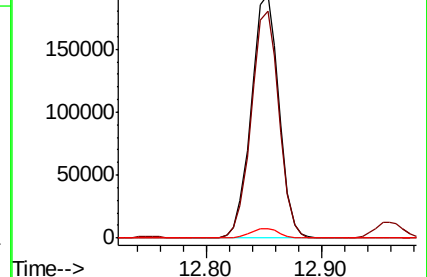
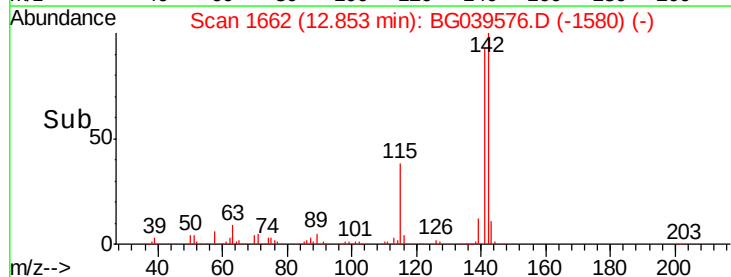
116 3.9 3.0 4.6

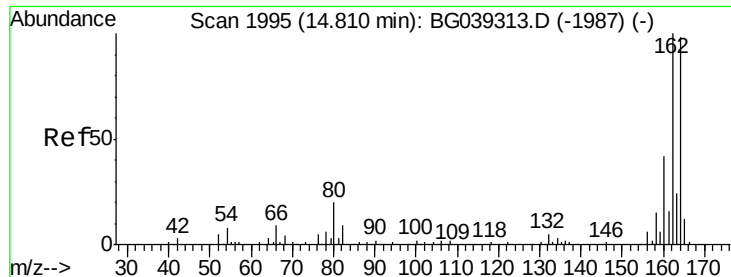


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.79 min Scan# 1992

Delta R.T. -0.02 min

Lab File: BG039576.D

Acq: 21 Feb 2019 18:10

Instrument :

BNA\_G

ClientSampleId :

OR-02-021919-AMSD

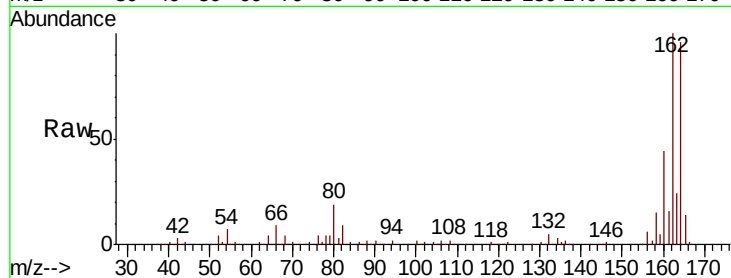
Tot Ion:164 Resp: 154248

Ion Ratio Lower Upper

164 100

162 104.6 81.6 122.4

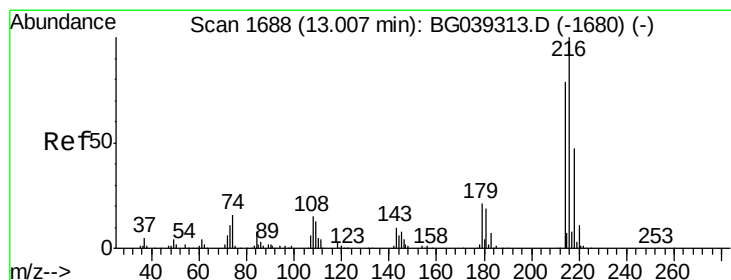
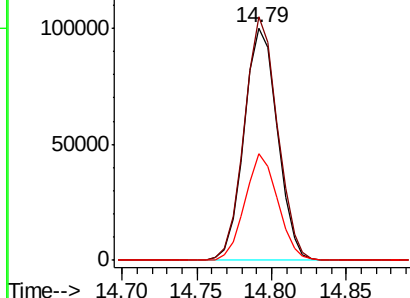
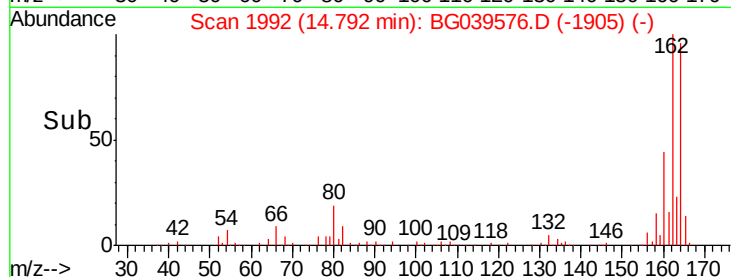
160 45.6 34.2 51.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 38.019 ng

RT: 12.99 min Scan# 1685

Delta R.T. -0.02 min

Lab File: BG039576.D

Acq: 21 Feb 2019 18:10

Tgt Ion:216 Resp: 186587

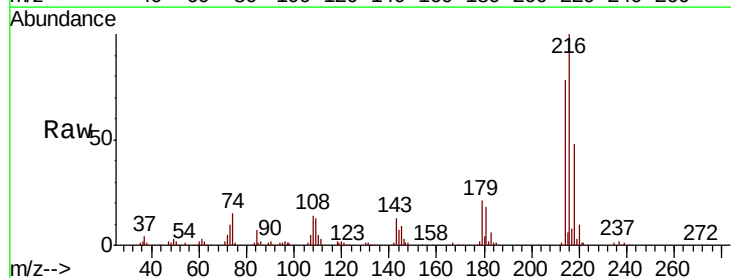
Ion Ratio Lower Upper

216 100

214 78.0 62.6 94.0

179 20.1 16.6 25.0

108 17.8 14.0 21.0

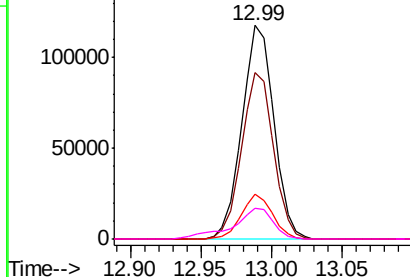
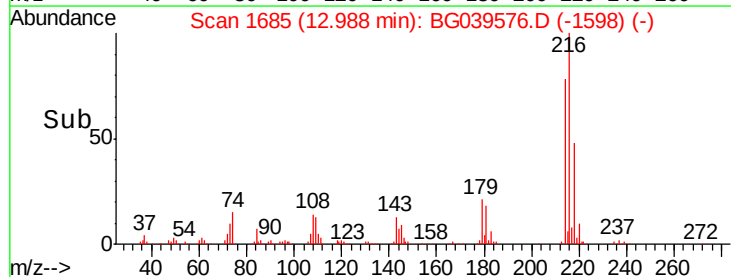


Abundance Ion 216.00 (215.70 to 216.70): E

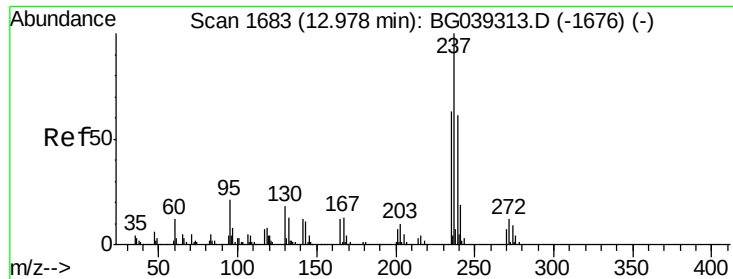
Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E







#41

Hexachlorocyclopentadiene

Concen: 78.113 ng

RT: 12.96 min Scan# 1680

Delta R.T. -0.02 min

Lab File: BG039576.D

Acq: 21 Feb 2019 18:10

Instrument :

BNA\_G

ClientSampleId :

OR-02-021919-AMSD

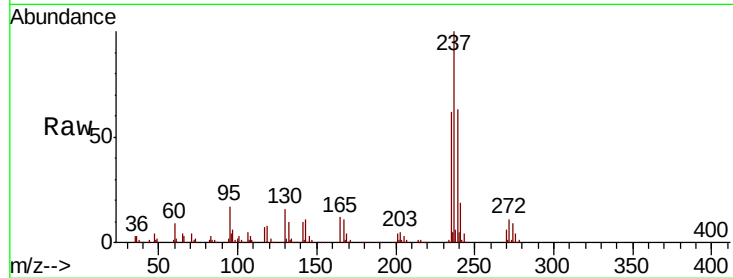
Tot Ion:237 Resp: 208897

Ion Ratio Lower Upper

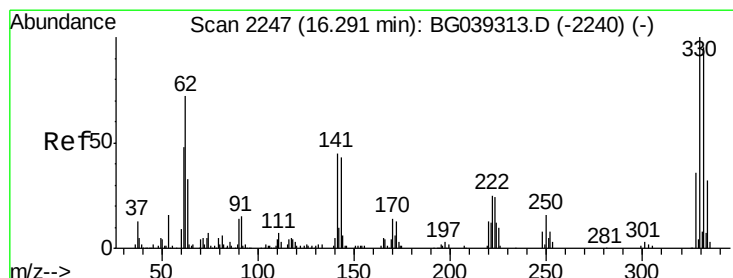
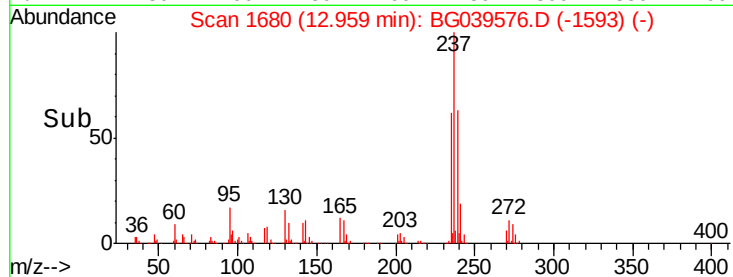
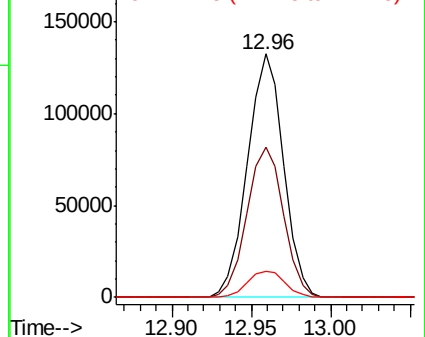
237 100

235 61.7 43.3 83.3

272 10.8 0.0 32.3



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



#42

2,4,6-Tribromophenol

Concen: 141.842 ng

RT: 16.28 min Scan# 2245

Delta R.T. -0.01 min

Lab File: BG039576.D

Acq: 21 Feb 2019 18:10

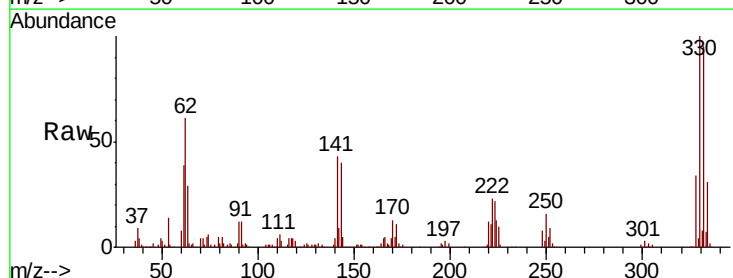
Tgt Ion:330 Resp: 235598

Ion Ratio Lower Upper

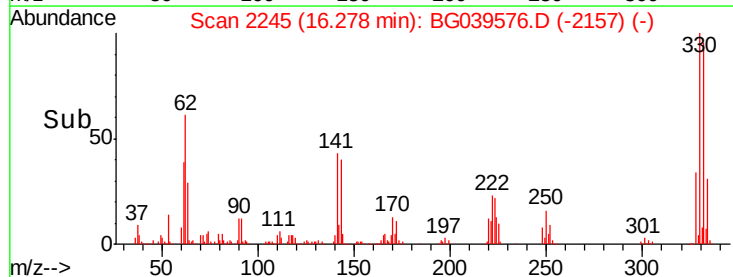
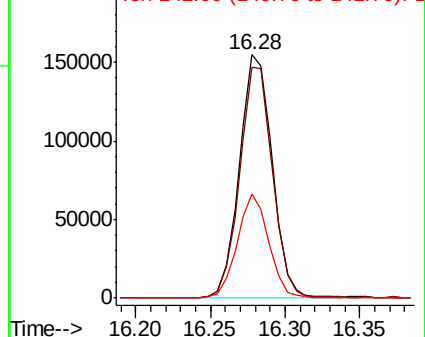
330 100

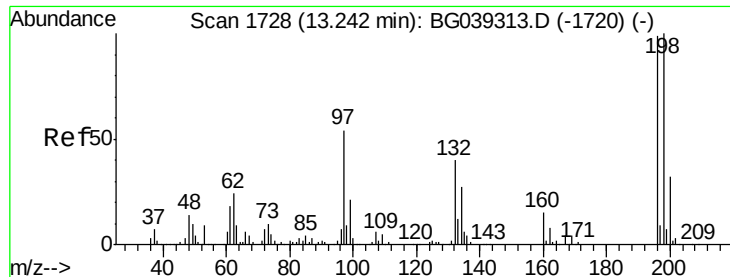
332 95.6 75.7 113.5

141 41.0 35.6 53.4



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

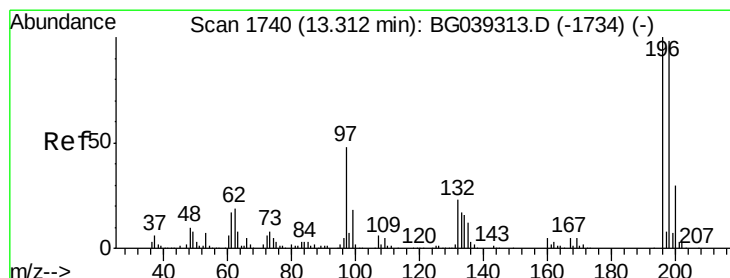
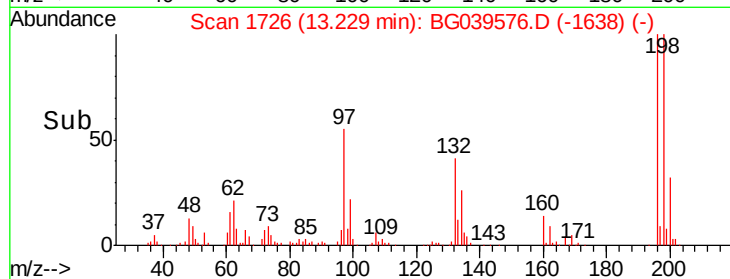
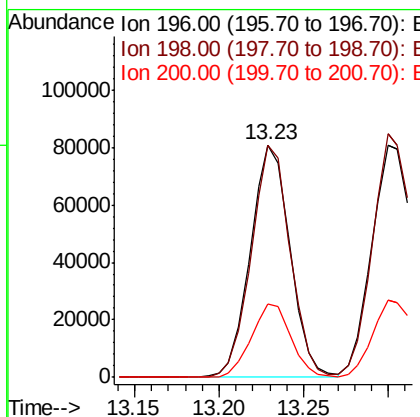
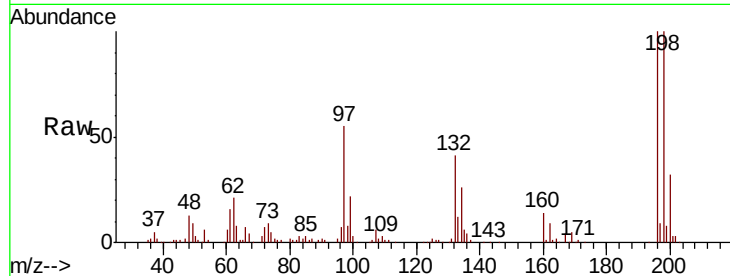




#43  
 2,4,6-Trichlorophenol  
 Concen: 43.596 ng  
 RT: 13.23 min Scan# 1726  
 Delta R.T. -0.01 min  
 Lab File: BG039576.D  
 Acq: 21 Feb 2019 18:10

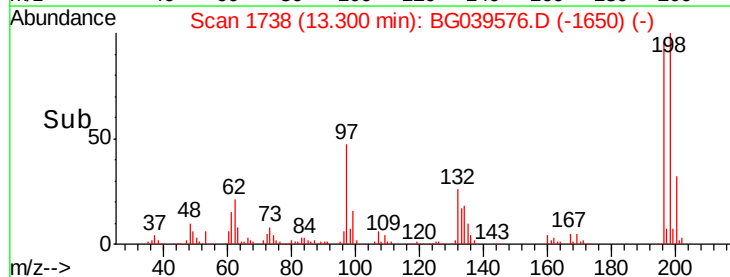
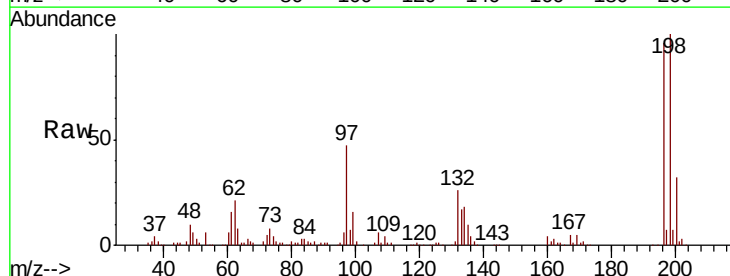
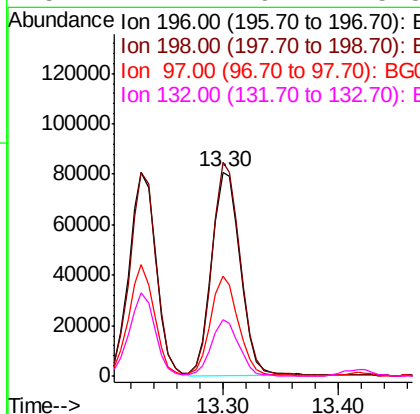
Instrument :  
 BNA\_G  
 ClientSampleId :  
 OR-02-021919-AMSD

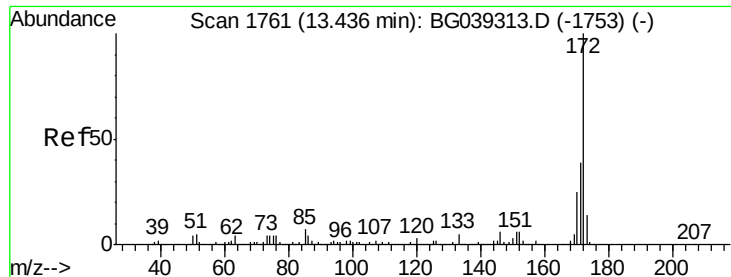
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 99.7  | 80.6  | 121.0 |
| 200     | 31.6  | 26.1  | 39.1  |



#44  
 2,4,5-Trichlorophenol  
 Concen: 44.014 ng  
 RT: 13.30 min Scan# 1738  
 Delta R.T. -0.01 min  
 Lab File: BG039576.D  
 Acq: 21 Feb 2019 18:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 104.7 | 78.5  | 117.7 |
| 97      | 49.0  | 38.4  | 57.6  |
| 132     | 27.7  | 19.2  | 28.8  |

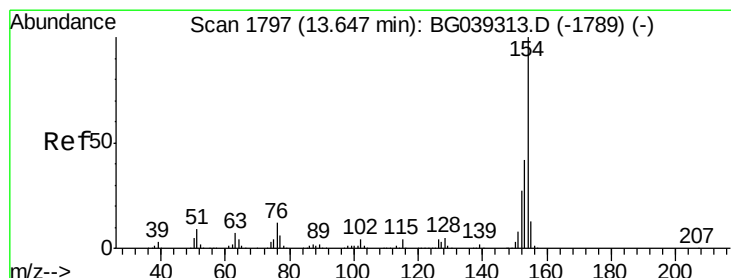
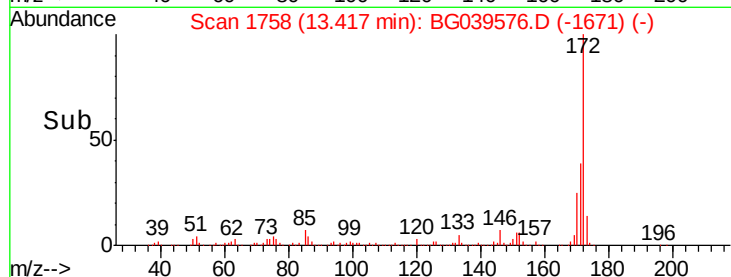
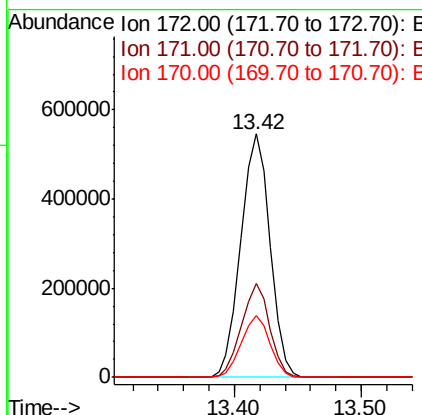
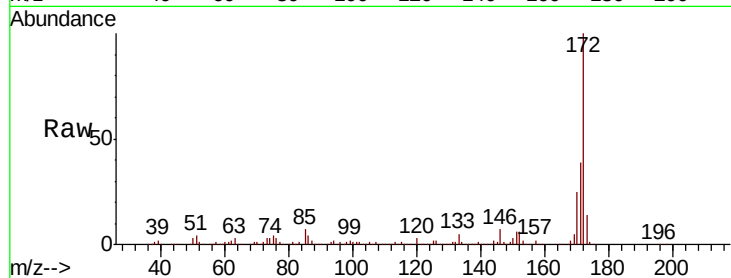




#45  
2-Fluorobiphenyl  
Concen: 81.087 ng  
RT: 13.42 min Scan# 1758  
Delta R.T. -0.02 min  
Lab File: BG039576.D  
Acq: 21 Feb 2019 18:10

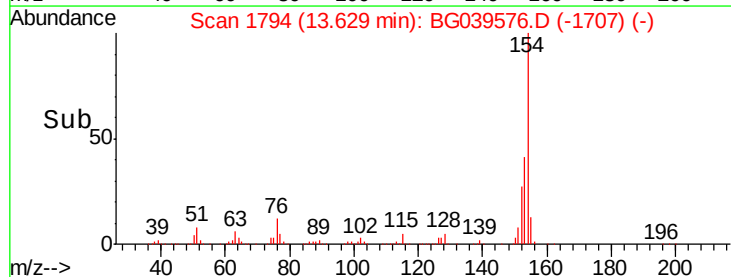
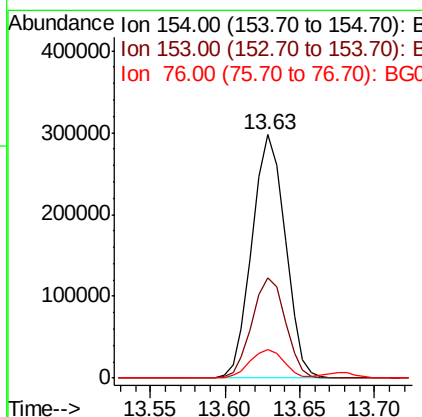
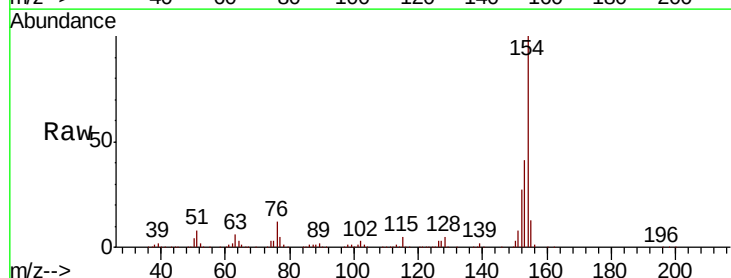
Instrument :  
BNA\_G  
ClientSampleId :  
OR-02-021919-AMSD

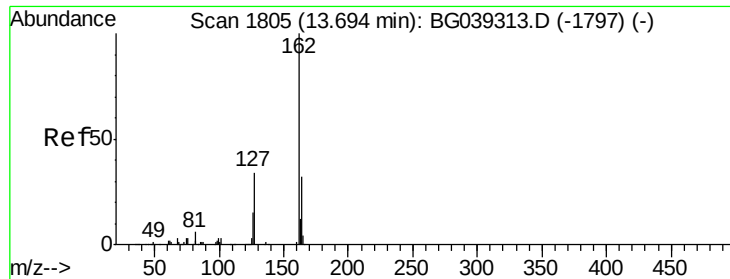
Tot Ion:172 Resp: 871875  
Ion Ratio Lower Upper  
172 100  
171 38.7 30.8 46.2  
170 25.4 20.2 30.4



#46  
1,1'-Biphenyl  
Concen: 35.770 ng  
RT: 13.63 min Scan# 1794  
Delta R.T. -0.02 min  
Lab File: BG039576.D  
Acq: 21 Feb 2019 18:10

Tgt Ion:154 Resp: 459068  
Ion Ratio Lower Upper  
154 100  
153 40.9 22.1 62.1  
76 11.8 0.0 32.4

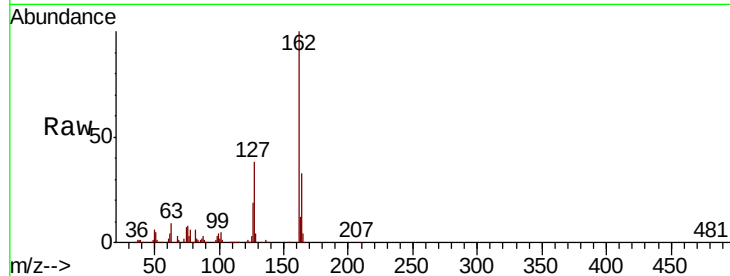




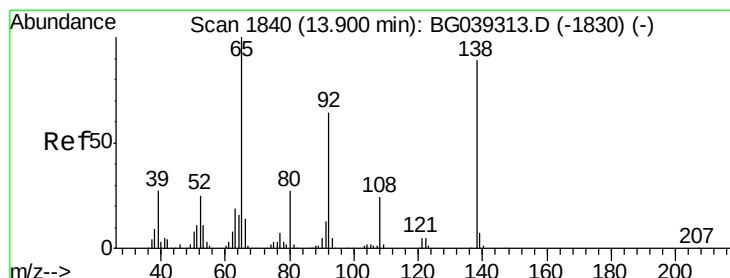
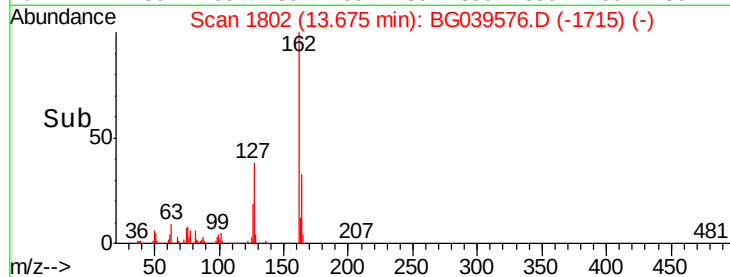
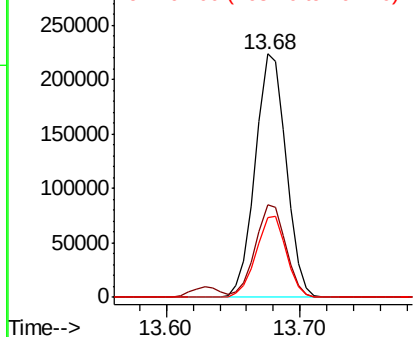
#47  
 2-Chloronaphthalene  
 Concen: 36.896 ng  
 RT: 13.68 min Scan# 1802  
 Delta R.T. -0.02 min  
 Lab File: BG039576.D  
 Acq: 21 Feb 2019 18:10

Instrument :  
 BNA\_G  
 ClientSampleId :  
 OR-02-021919-AMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 38.2  | 31.0  | 46.6  |
| 164     | 32.9  | 25.7  | 38.5  |

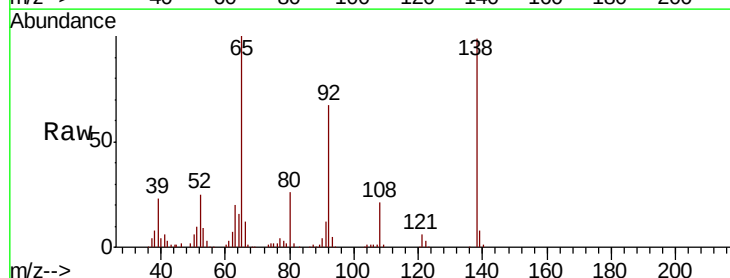


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 127.00 (126.70 to 127.70): E  
 Ion 164.00 (163.70 to 164.70): E

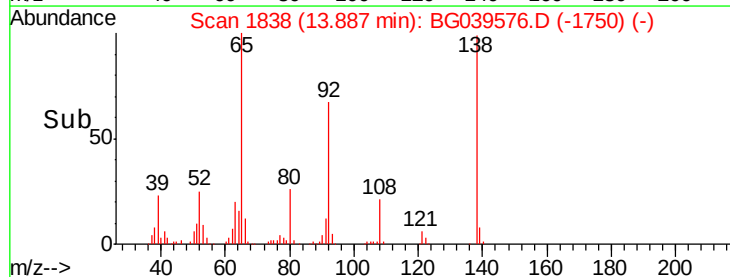
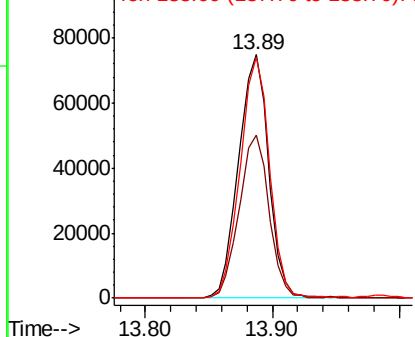


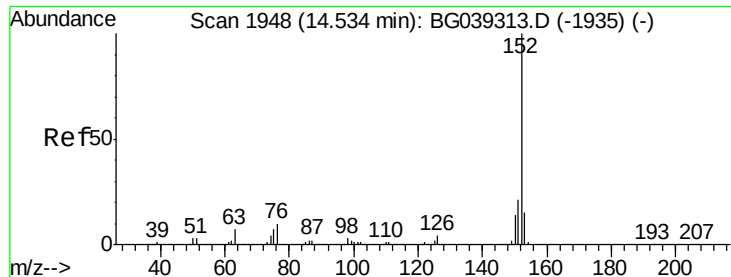
#48  
 2-Nitroaniline  
 Concen: 45.101 ng  
 RT: 13.89 min Scan# 1838  
 Delta R.T. -0.01 min  
 Lab File: BG039576.D  
 Acq: 21 Feb 2019 18:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 67.0  | 51.4  | 77.2  |
| 138     | 99.0  | 71.4  | 107.2 |



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): E





#49

Acenaphthylene

Concen: 39.592 ng

RT: 14.52 min Scan# 1946

Delta R.T. -0.01 min

Lab File: BG039576.D

Acq: 21 Feb 2019 18:10

Instrument :

BNA\_G

ClientSampleId :

OR-02-021919-AMSD

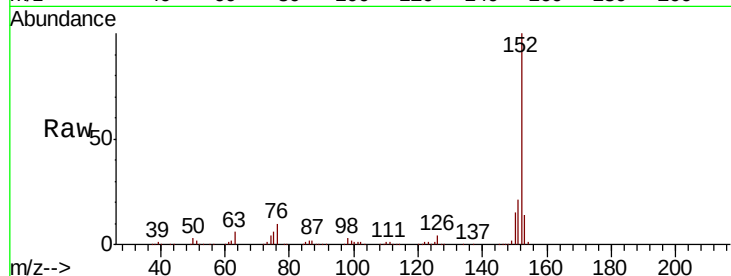
Tot Ion:152 Resp: 576784

Ion Ratio Lower Upper

152 100

151 21.4 16.8 25.2

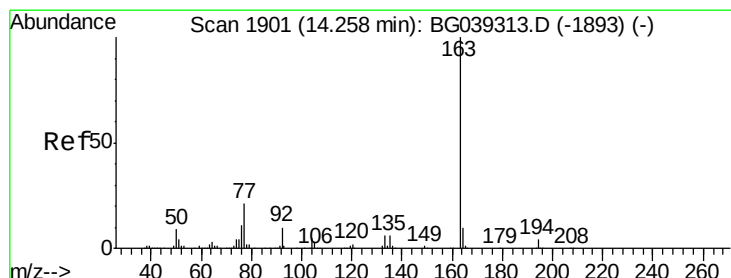
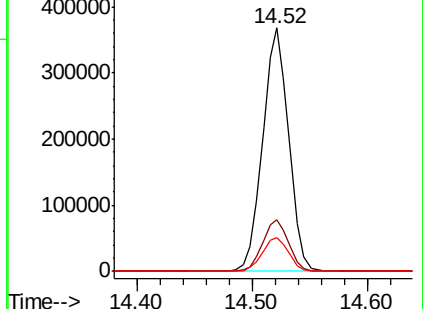
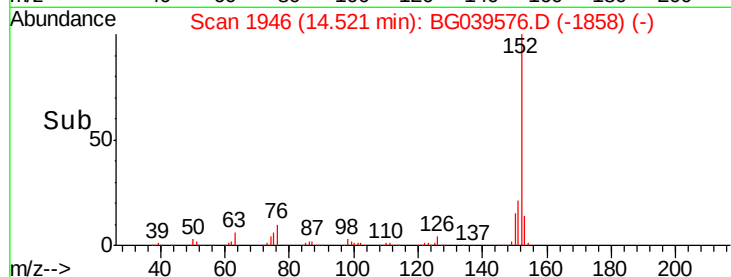
153 14.1 11.7 17.5



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 38.022 ng

RT: 14.24 min Scan# 1898

Delta R.T. -0.02 min

Lab File: BG039576.D

Acq: 21 Feb 2019 18:10

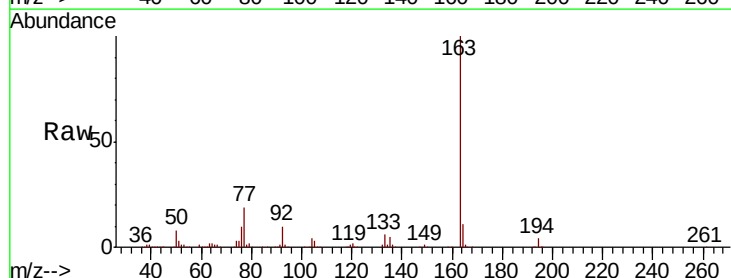
Tgt Ion:163 Resp: 473662

Ion Ratio Lower Upper

163 100

194 4.4 3.6 5.4

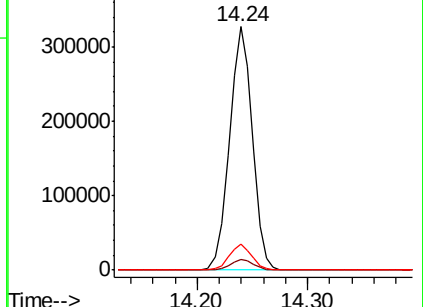
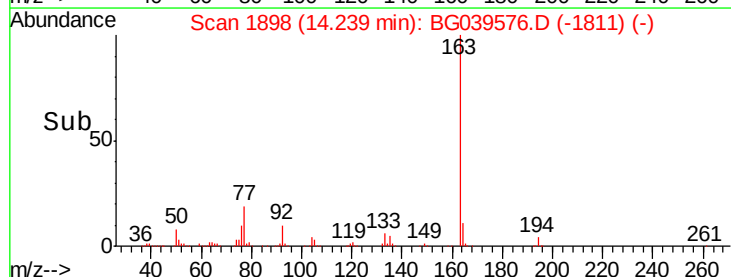
164 10.6 8.4 12.6

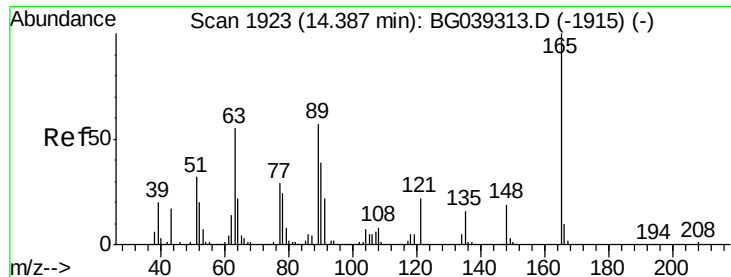


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

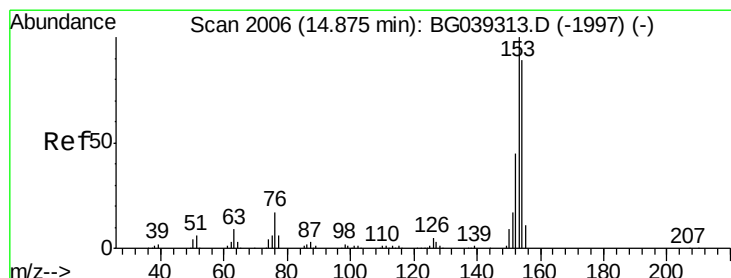
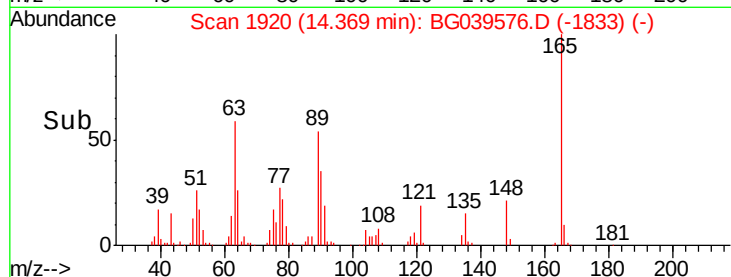
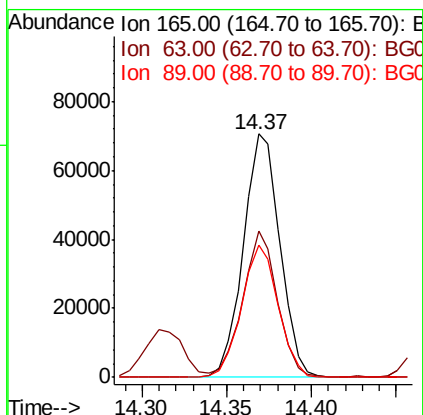
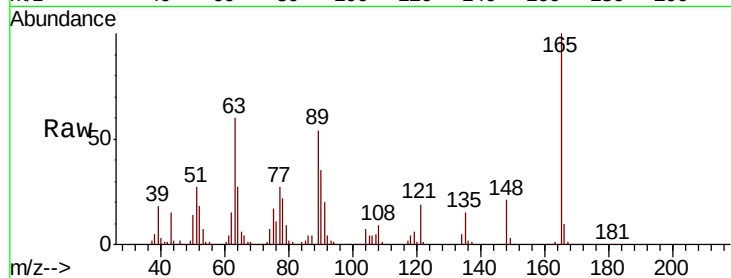




#51  
 2,6-Dinitrotoluene  
 Concen: 45.987 ng  
 RT: 14.37 min Scan# 1920  
 Delta R.T. -0.02 min  
 Lab File: BG039576.D  
 Acq: 21 Feb 2019 18:10

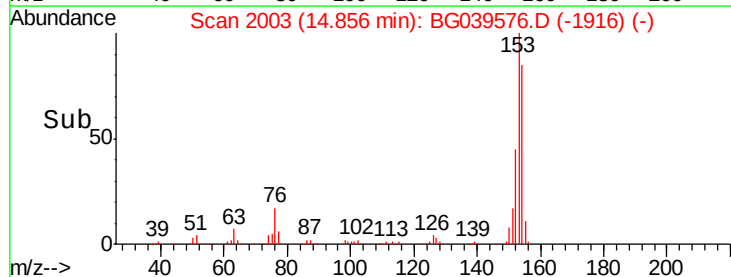
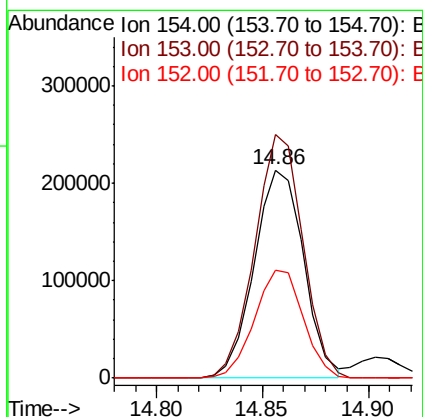
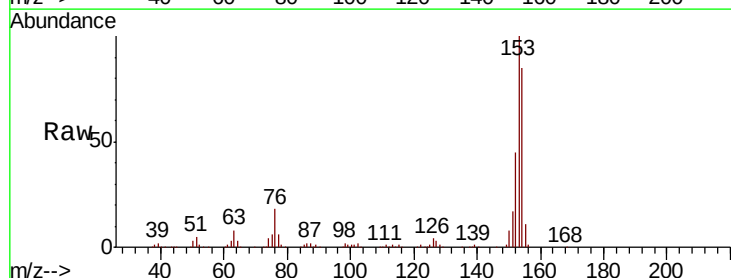
Instrument :  
 BNA\_G  
 ClientSampleId :  
 OR-02-021919-AMSD

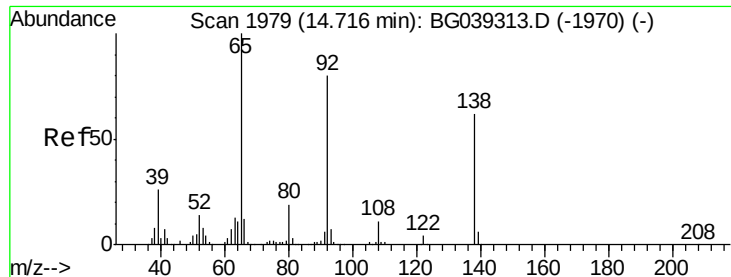
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 60.3  | 47.0  | 70.6  |
| 89      | 54.1  | 45.8  | 68.8  |



#52  
 Acenaphthene  
 Concen: 36.675 ng  
 RT: 14.86 min Scan# 2003  
 Delta R.T. -0.02 min  
 Lab File: BG039576.D  
 Acq: 21 Feb 2019 18:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 117.0 | 90.1  | 135.1 |
| 152     | 52.1  | 40.9  | 61.3  |





#53

3-Nitroaniline

Concen: 13.912 ng

RT: 14.70 min Scan# 1977

Delta R.T. -0.01 min

Lab File: BG039576.D

Acq: 21 Feb 2019 18:10

Instrument :

BNA\_G

ClientSampleId :

OR-02-021919-AMSD

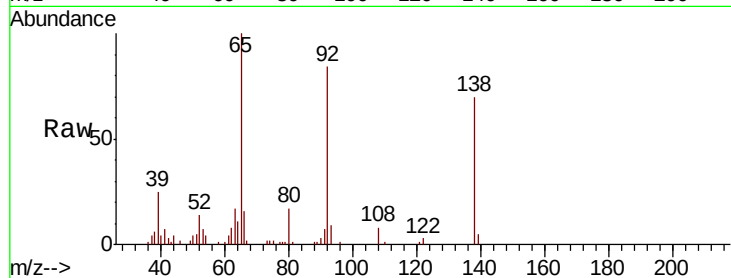
Tot Ion:138 Resp: 23198

Ion Ratio Lower Upper

138 100

108 11.9 13.8 20.8#

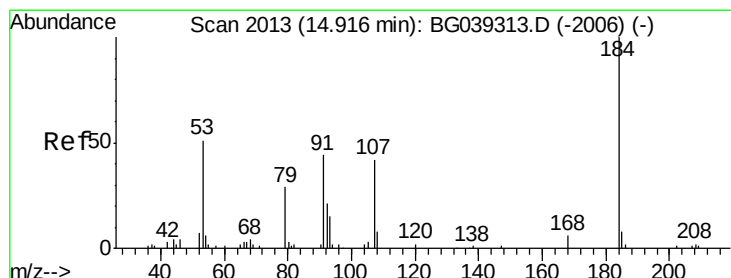
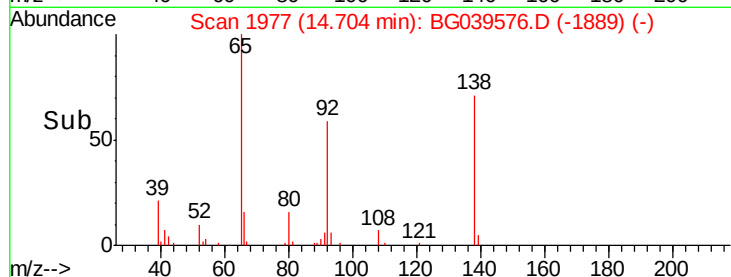
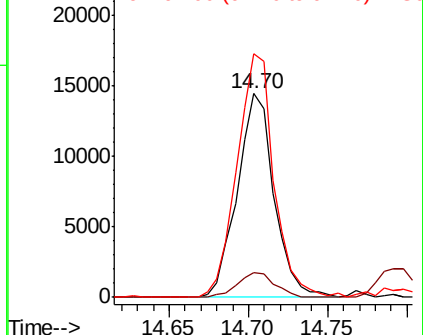
92 119.4 103.7 155.5



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC



#54

2,4-Dinitrophenol

Concen: 63.915 ng

RT: 14.90 min Scan# 2011

Delta R.T. -0.01 min

Lab File: BG039576.D

Acq: 21 Feb 2019 18:10

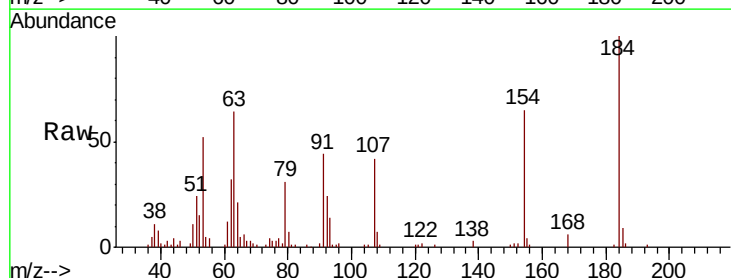
Tgt Ion:184 Resp: 59281

Ion Ratio Lower Upper

184 100

63 64.1 50.9 76.3

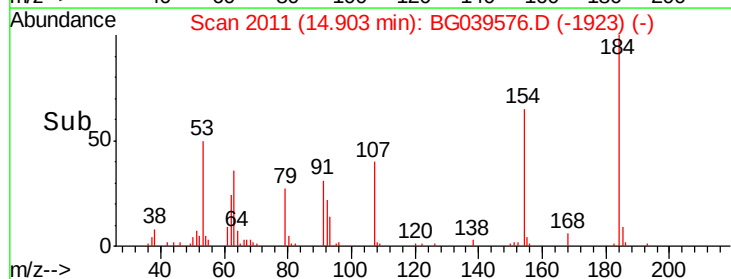
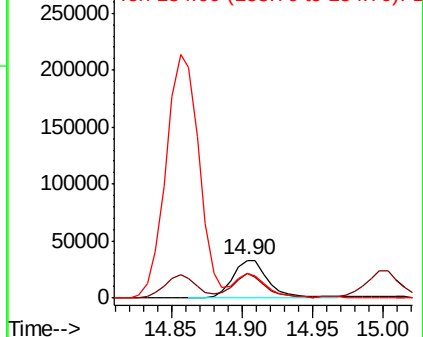
154 65.1 53.0 79.6

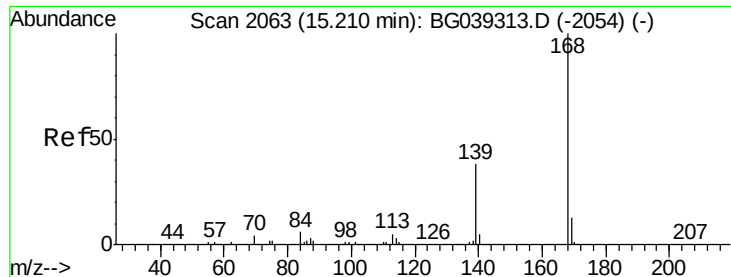


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E

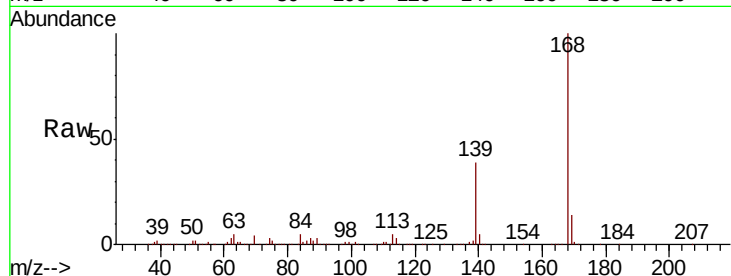




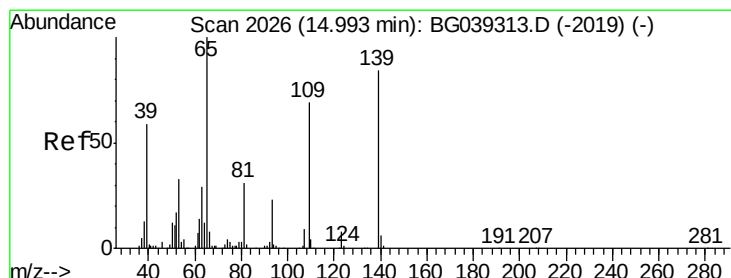
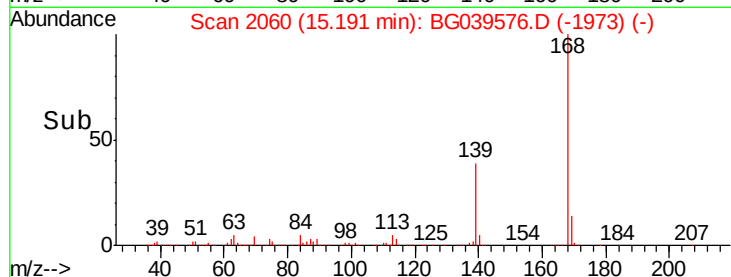
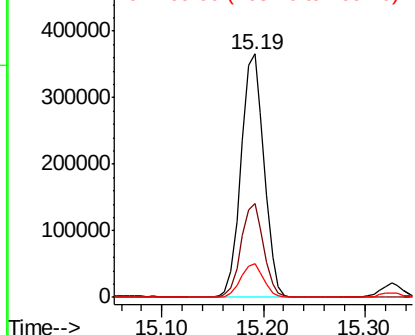
#55  
Dibenzofuran  
Concen: 37.900 ng  
RT: 15.19 min Scan# 2060  
Delta R.T. -0.02 min  
Lab File: BG039576.D  
Acq: 21 Feb 2019 18:10

Instrument :  
BNA\_G  
ClientSampleId :  
OR-02-021919-AMSD

Tot Ion:168 Resp: 574633  
Ion Ratio Lower Upper  
168 100  
139 38.7 30.1 45.1  
169 13.9 10.6 16.0

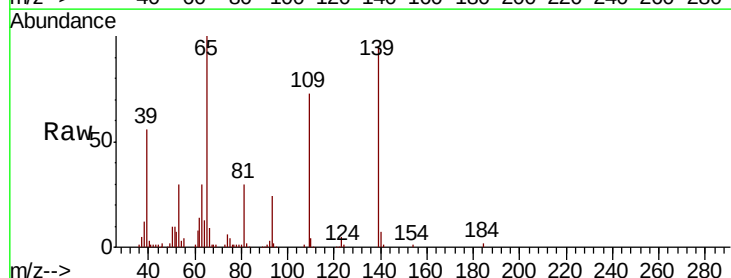


Abundance Ion 168.00 (167.70 to 168.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 169.00 (168.70 to 169.70): E

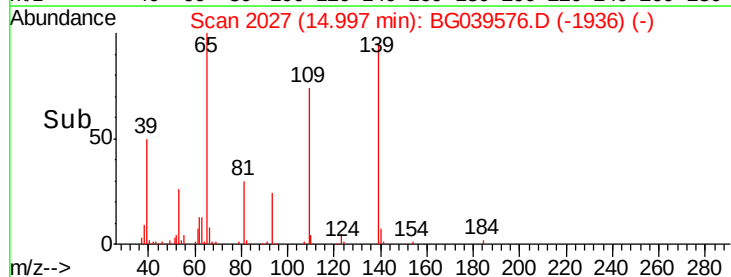
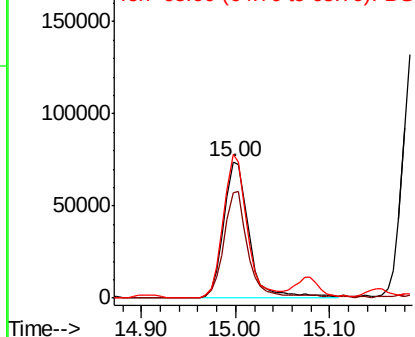


#56  
4-Nitrophenol  
Concen: 63.742 ng  
RT: 15.00 min Scan# 2027  
Delta R.T. 0.01 min  
Lab File: BG039576.D  
Acq: 21 Feb 2019 18:10

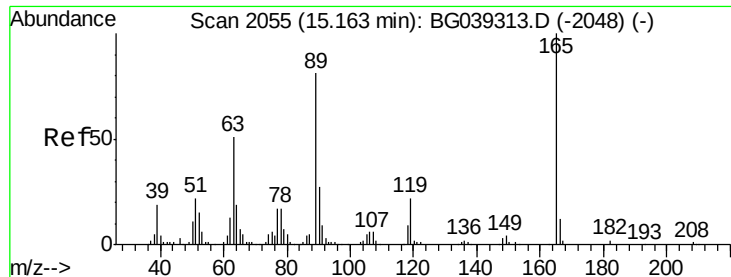
Tgt Ion:139 Resp: 140716  
Ion Ratio Lower Upper  
139 100  
109 77.5 61.9 101.9  
65 105.7 99.1 139.1



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



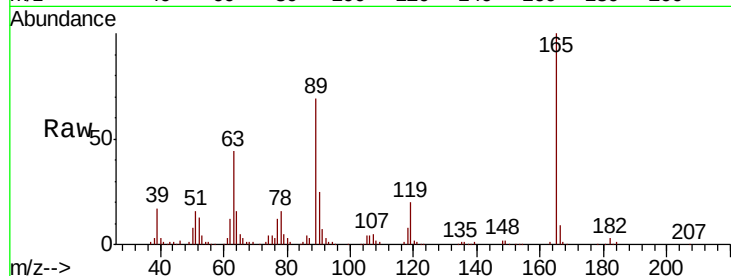




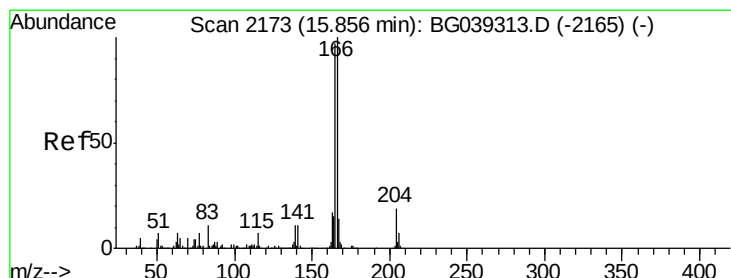
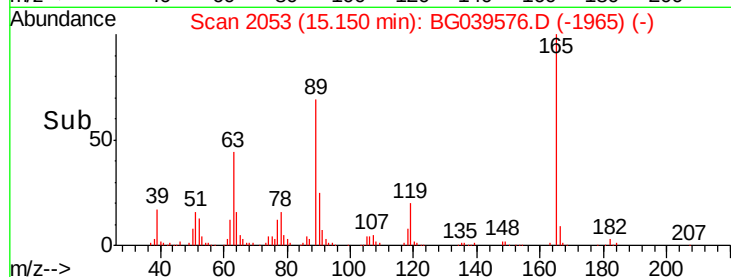
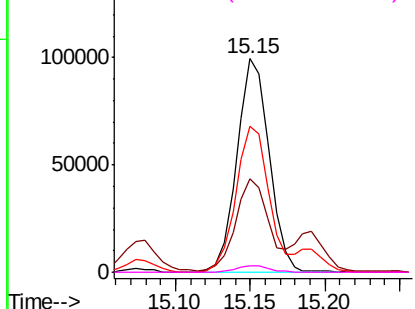
#57  
 2,4-Dinitrotoluene  
 Concen: 49.811 ng  
 RT: 15.15 min Scan# 2053  
 Delta R.T. -0.01 min  
 Lab File: BG039576.D  
 Acq: 21 Feb 2019 18:10

Instrument :  
 BNA\_G  
 ClientSampleId :  
 OR-02-021919-AMSD

|             |       |           |
|-------------|-------|-----------|
| Tot Ion:165 | Resp: | 149609    |
| Ion Ratio   | Lower | Upper     |
| 165         | 100   |           |
| 63          | 43.8  | 41.0 61.6 |
| 89          | 68.5  | 64.6 96.8 |
| 182         | 2.8   | 2.0 3.0   |

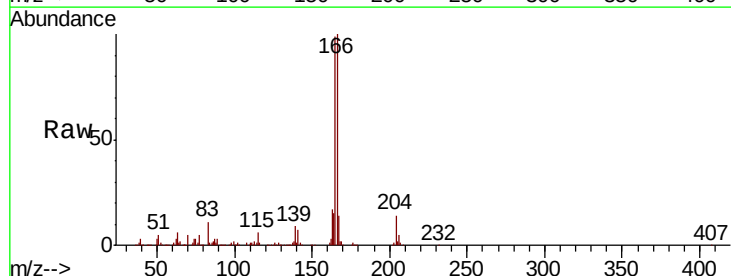


Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BG  
 Ion 89.00 (88.70 to 89.70): BG  
 Ion 182.00 (181.70 to 182.70): E

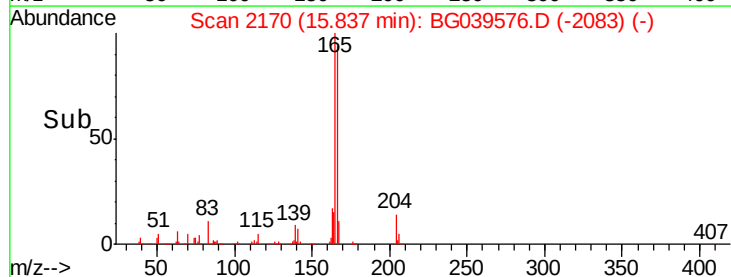
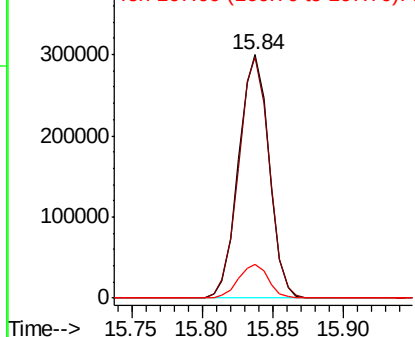


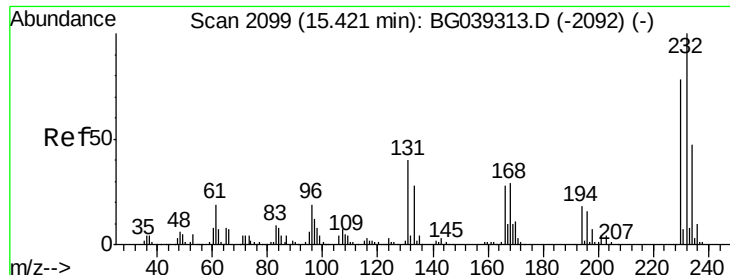
#58  
 Fluorene  
 Concen: 39.985 ng  
 RT: 15.84 min Scan# 2170  
 Delta R.T. -0.02 min  
 Lab File: BG039576.D  
 Acq: 21 Feb 2019 18:10

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:166 | Resp: | 451929     |
| Ion Ratio   | Lower | Upper      |
| 166         | 100   |            |
| 165         | 98.8  | 77.9 116.9 |
| 167         | 13.7  | 10.8 16.2  |



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

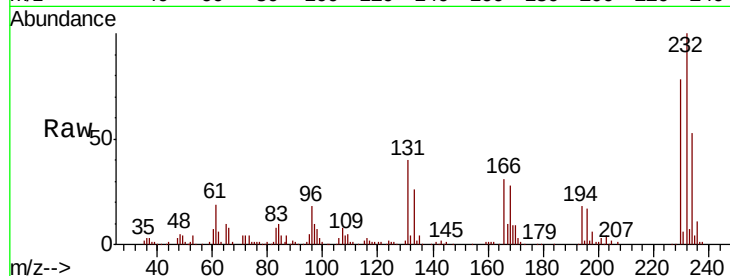




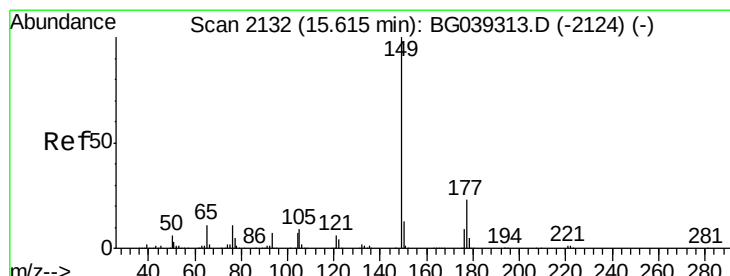
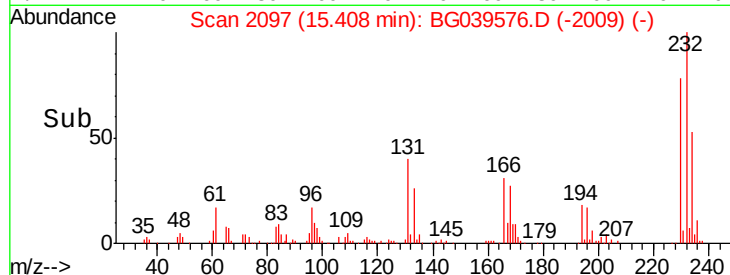
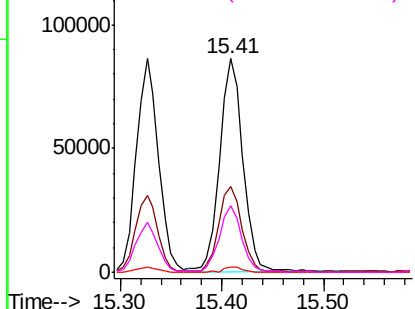
#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 46.215 ng  
 RT: 15.41 min Scan# 2097  
 Delta R.T. -0.01 min  
 Lab File: BG039576.D  
 Acq: 21 Feb 2019 18:10

Instrument :  
 BNA\_G  
 ClientSampleId :  
 OR-02-021919-AMSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 232   | Resp: | 136852 |
| Ion      | Ratio | Lower | Upper  |
| 232      | 100   |       |        |
| 131      | 39.7  | 34.9  | 52.3   |
| 130      | 2.2   | 2.0   | 3.0    |
| 166      | 30.3  | 24.1  | 36.1   |

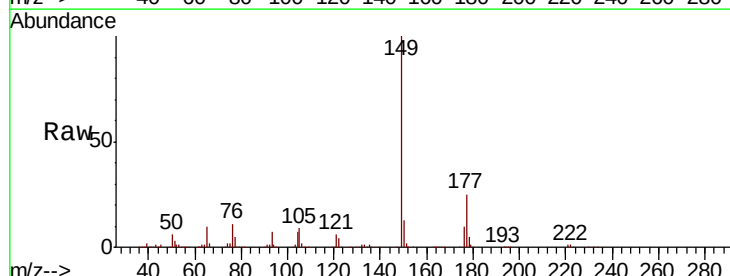


Abundance Ion 232.00 (231.70 to 232.70): E  
 Ion 131.00 (130.70 to 131.70): E  
 Ion 130.00 (129.70 to 130.70): E  
 Ion 166.00 (165.70 to 166.70): E

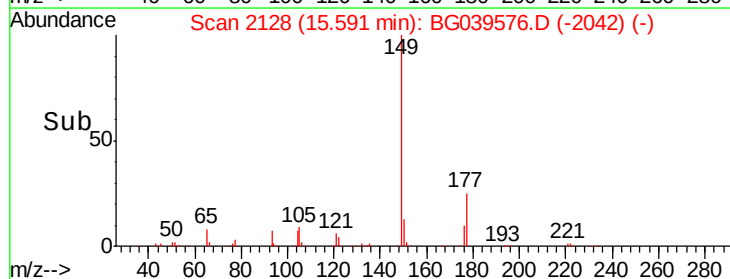
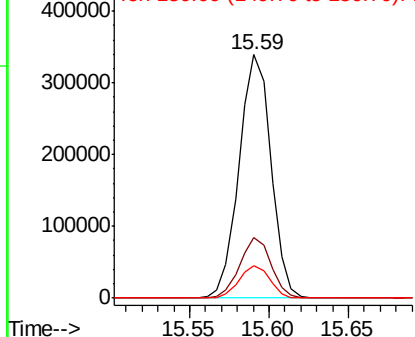


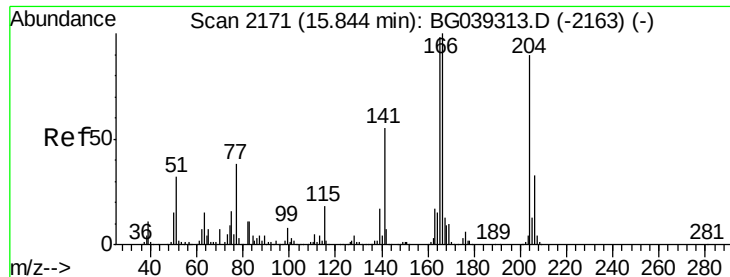
#60  
 Diethylphthalate  
 Concen: 36.814 ng  
 RT: 15.59 min Scan# 2128  
 Delta R.T. -0.02 min  
 Lab File: BG039576.D  
 Acq: 21 Feb 2019 18:10

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 149   | Resp: | 474182 |
| Ion      | Ratio | Lower | Upper  |
| 149      | 100   |       |        |
| 177      | 24.9  | 18.3  | 27.5   |
| 150      | 13.1  | 10.2  | 15.2   |



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

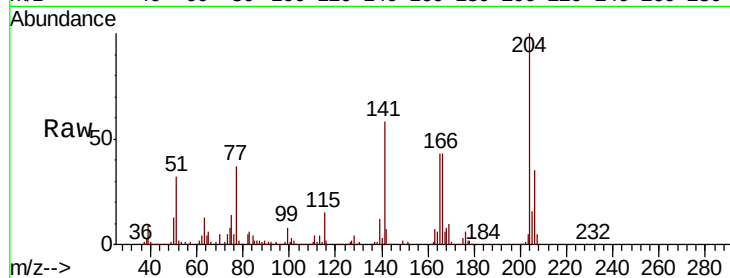




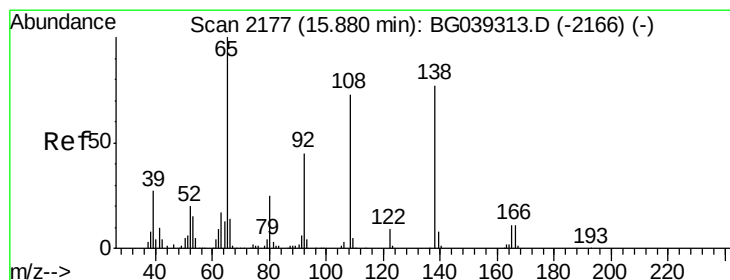
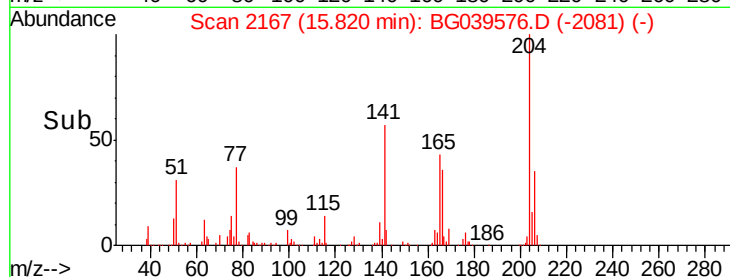
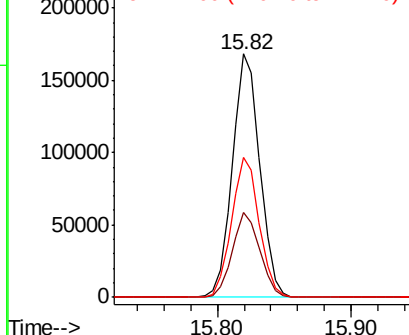
#61  
4-Chlorophenyl-phenylether  
Concen: 37.514 ng  
RT: 15.82 min Scan# 2167  
Delta R.T. -0.02 min  
Lab File: BG039576.D  
Acq: 21 Feb 2019 18:10

Instrument :  
BNA\_G  
ClientSampleId :  
OR-02-021919-AMSD

Tot Ion:204 Resp: 240079  
Ion Ratio Lower Upper  
204 100  
206 34.7 29.2 43.8  
141 57.6 49.0 73.4

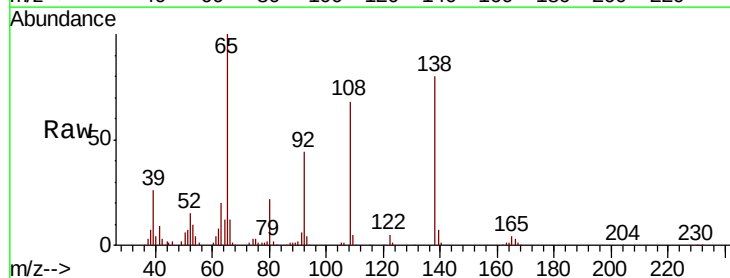


Abundance Ion 204.00 (203.70 to 204.70): E  
Ion 206.00 (205.70 to 206.70): E  
Ion 141.00 (140.70 to 141.70): E

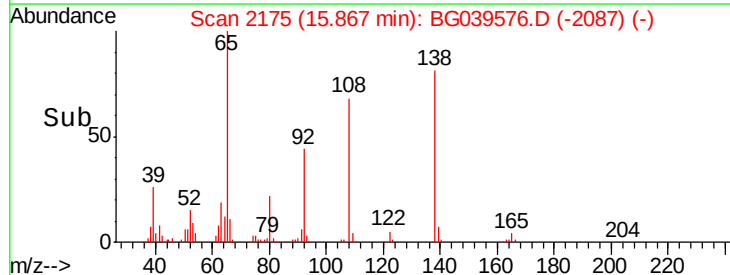
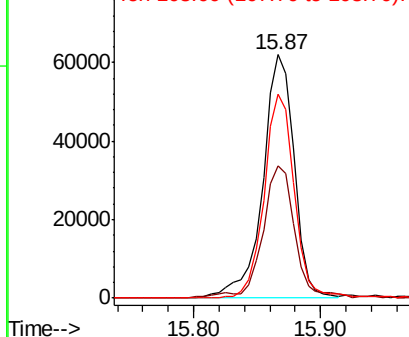


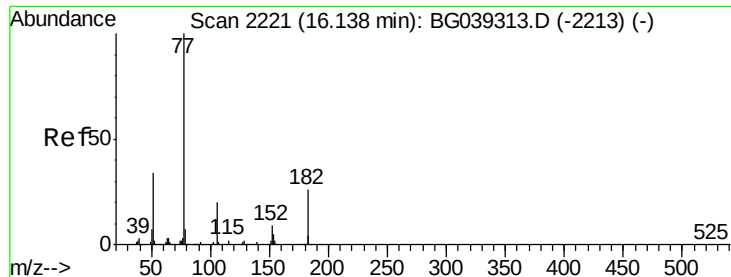
#62  
4-Nitroaniline  
Concen: 41.271 ng  
RT: 15.87 min Scan# 2175  
Delta R.T. -0.01 min  
Lab File: BG039576.D  
Acq: 21 Feb 2019 18:10

Tgt Ion:138 Resp: 106127  
Ion Ratio Lower Upper  
138 100  
92 54.1 38.7 78.7  
108 84.0 74.6 114.6



Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 92.00 (91.70 to 92.70): BG  
Ion 108.00 (107.70 to 108.70): E

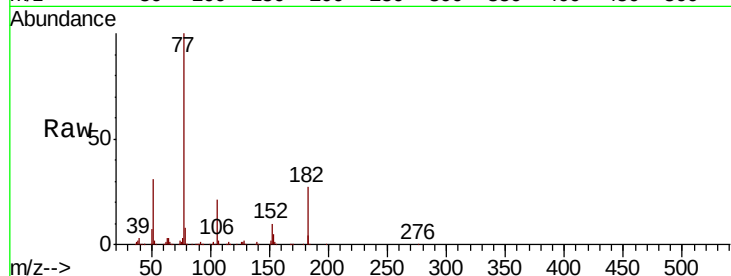




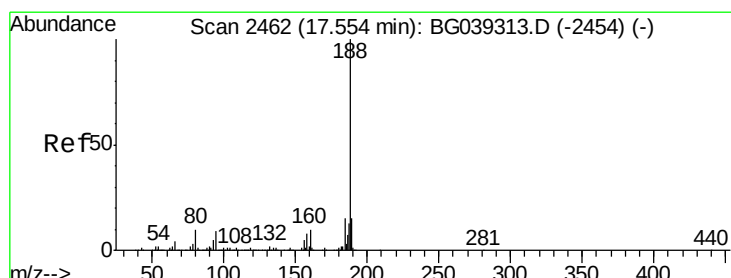
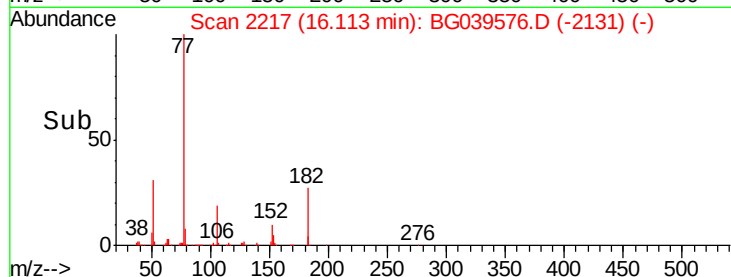
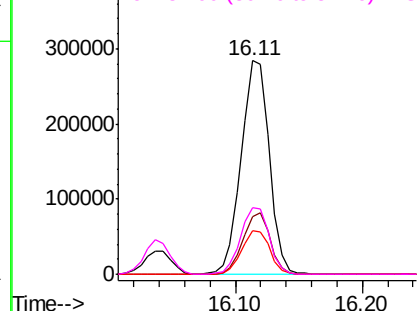
#63  
Azobenzene  
Concen: 34.342 ng  
RT: 16.11 min Scan# 2217  
Delta R.T. -0.02 min  
Lab File: BG039576.D  
Acq: 21 Feb 2019 18:10

Instrument :  
BNA\_G  
ClientSampleId :  
OR-02-021919-AMSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 77    | Resp: | 432347 |
| Ion      | Ratio | Lower | Upper  |
| 77       | 100   |       |        |
| 182      | 27.0  | 6.4   | 46.4   |
| 105      | 20.5  | 0.0   | 39.8   |
| 51       | 31.4  | 14.1  | 54.1   |

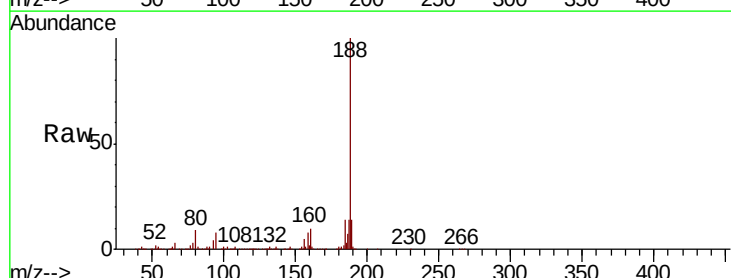


Abundance Ion 77.00 (76.70 to 77.70): BGC  
Ion 182.00 (181.70 to 182.70): BGC  
Ion 105.00 (104.70 to 105.70): BGC  
Ion 51.00 (50.70 to 51.70): BGC

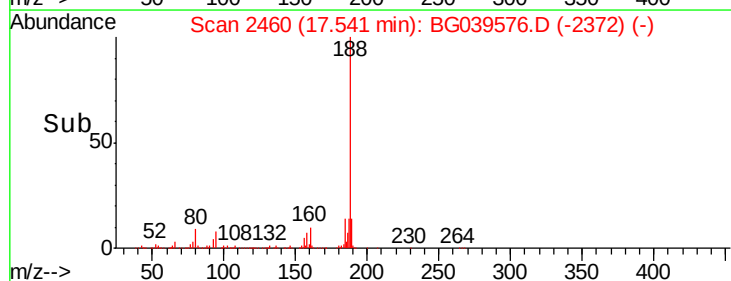
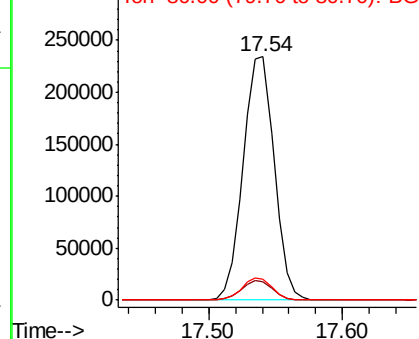


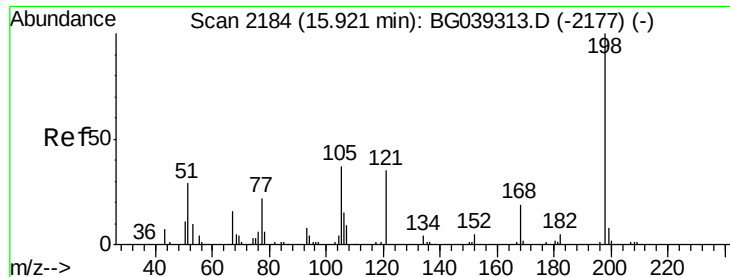
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.54 min Scan# 2460  
Delta R.T. -0.01 min  
Lab File: BG039576.D  
Acq: 21 Feb 2019 18:10

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 188   | Resp: | 376616 |
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 7.6   | 6.9   | 10.3   |
| 80       | 8.7   | 8.1   | 12.1   |



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





#65

4,6-Dinitro-2-methylphenol

Concen: 44.569 ng

RT: 15.91 min Scan# 2182

Delta R.T. -0.01 min

Lab File: BG039576.D

Acq: 21 Feb 2019 18:10

Instrument :

BNA\_G

ClientSampleId :

OR-02-021919-AMSD

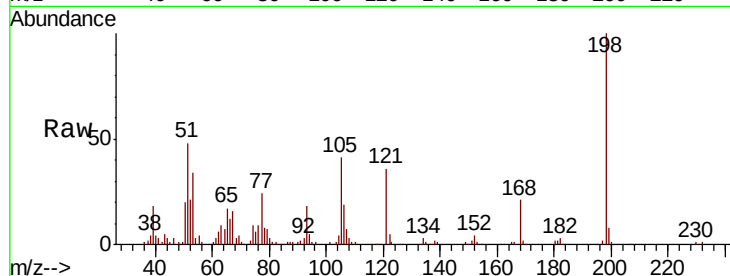
Tot Ion:198 Resp: 64167

Ion Ratio Lower Upper

198 100

51 47.7 27.4 67.4

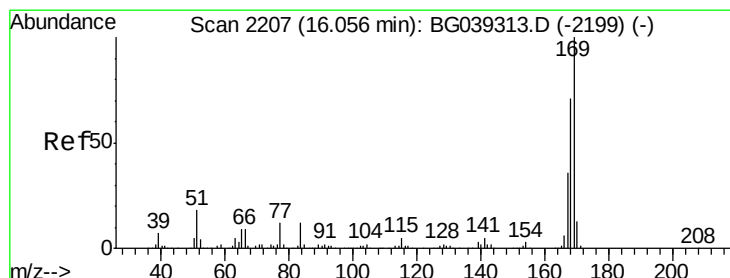
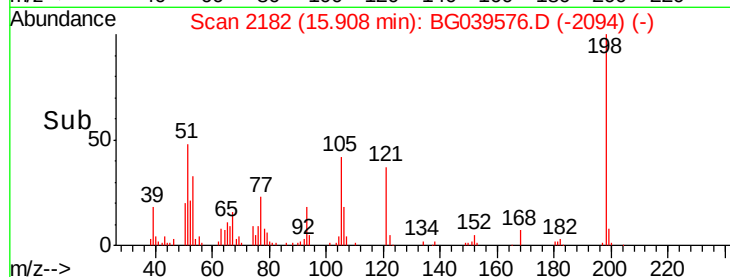
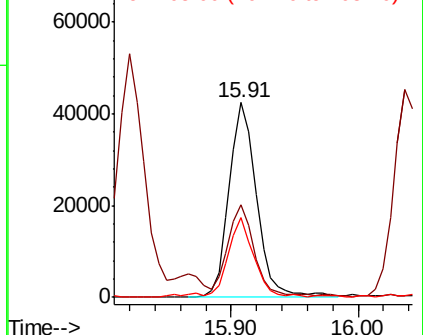
105 41.3 19.7 59.7



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 36.299 ng

RT: 16.04 min Scan# 2205

Delta R.T. -0.01 min

Lab File: BG039576.D

Acq: 21 Feb 2019 18:10

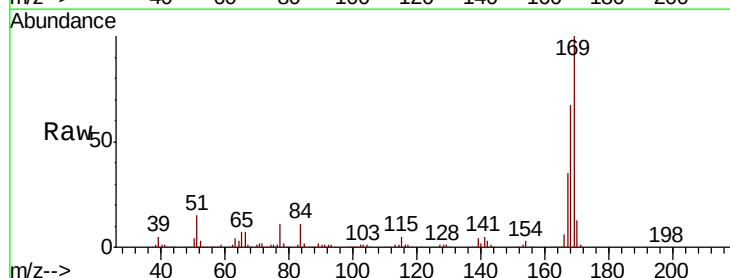
Tgt Ion:169 Resp: 415681

Ion Ratio Lower Upper

169 100

168 66.5 56.6 85.0

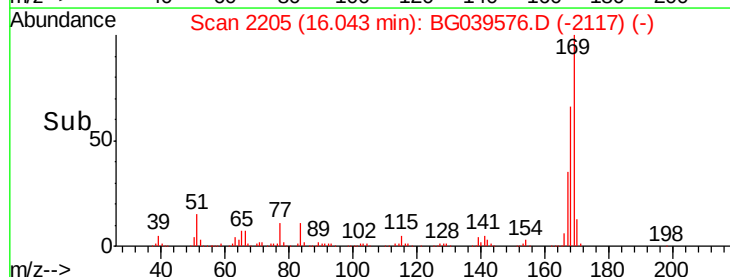
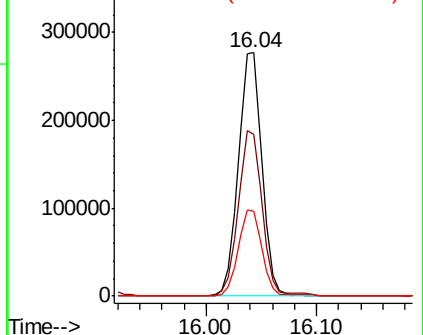
167 34.8 28.8 43.2

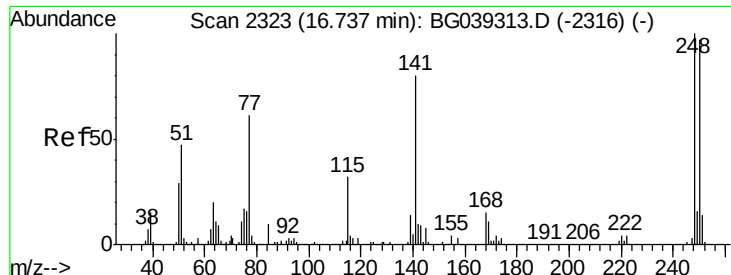


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

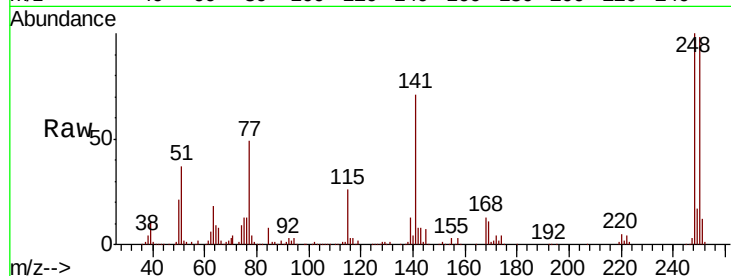




#67  
 4-Bromophenyl-phenylether  
 Concen: 37.273 ng  
 RT: 16.72 min Scan# 2320  
 Delta R.T. -0.02 min  
 Lab File: BG039576.D  
 Acq: 21 Feb 2019 18:10

Instrument :  
 BNA\_G  
 ClientSampleId :  
 OR-02-021919-AMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 98.1  | 77.6  | 116.4 |
| 141     | 71.0  | 63.9  | 95.9  |

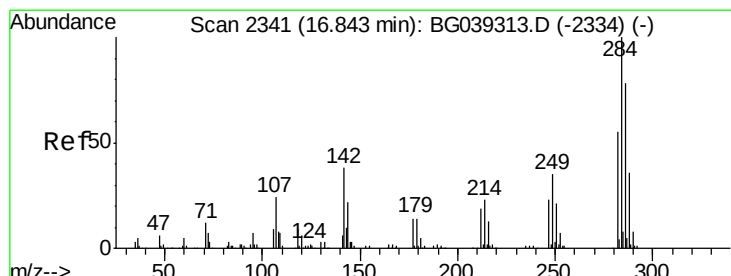
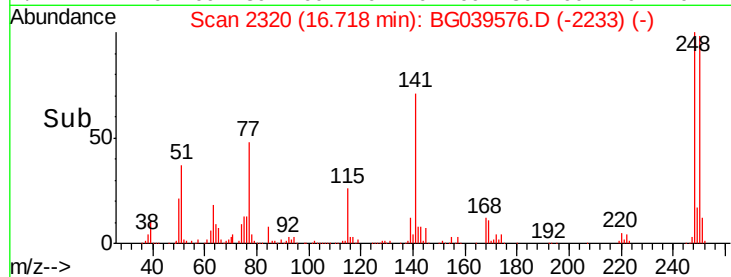
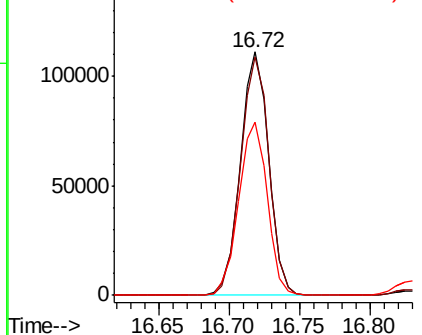


Abundance

Ion 248.00 (247.70 to 248.70): E

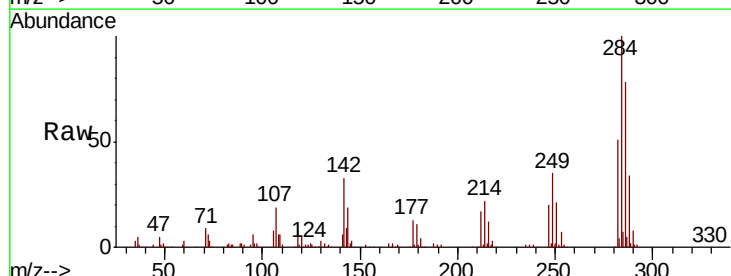
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68  
 Hexachlorobenzene  
 Concen: 38.068 ng  
 RT: 16.83 min Scan# 2339  
 Delta R.T. -0.01 min  
 Lab File: BG039576.D  
 Acq: 21 Feb 2019 18:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 32.6  | 30.6  | 45.8  |
| 249     | 35.3  | 28.2  | 42.2  |

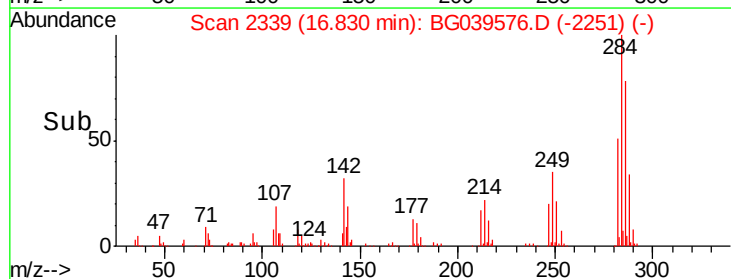
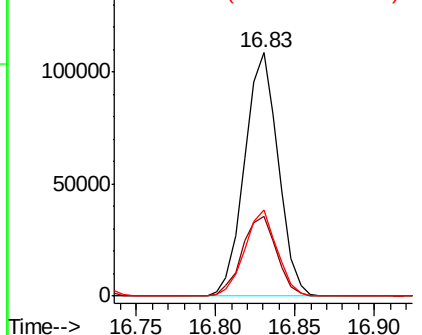


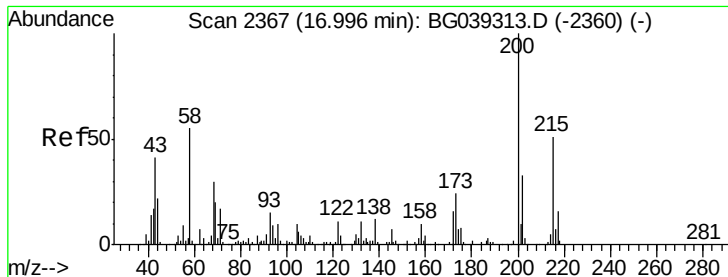
Abundance

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

Atrazine

Concen: 36.876 ng

RT: 16.98 min Scan# 2364

Delta R.T. -0.02 min

Lab File: BG039576.D

Acq: 21 Feb 2019 18:10

Instrument :

BNA\_G

ClientSampleId :

OR-02-021919-AMSD

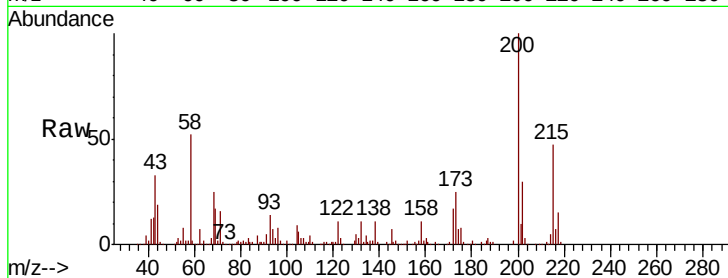
Tot Ion:200 Resp: 154321

Ion Ratio Lower Upper

200 100

173 24.7 3.9 43.9

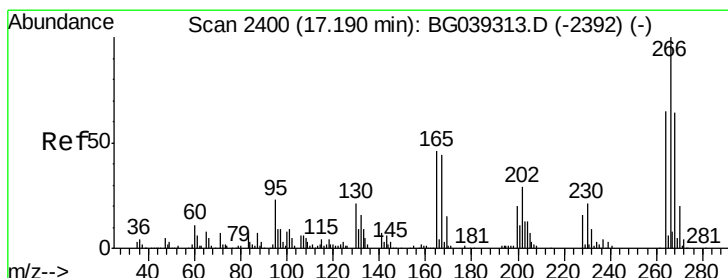
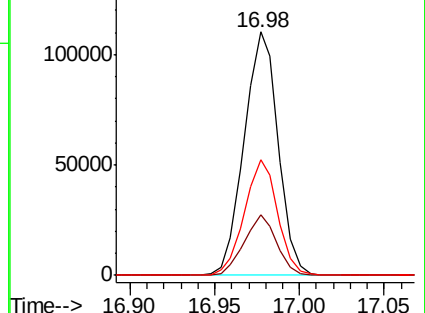
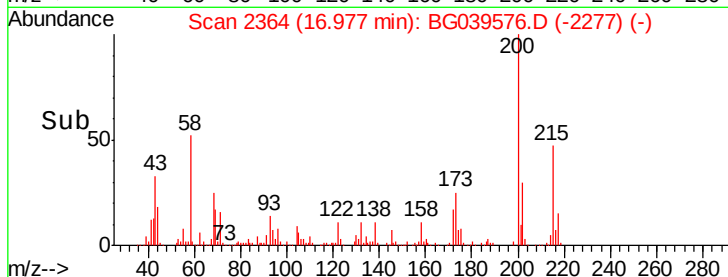
215 47.3 30.9 70.9



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70

Pentachlorophenol

Concen: 59.169 ng

RT: 17.18 min Scan# 2398

Delta R.T. -0.01 min

Lab File: BG039576.D

Acq: 21 Feb 2019 18:10

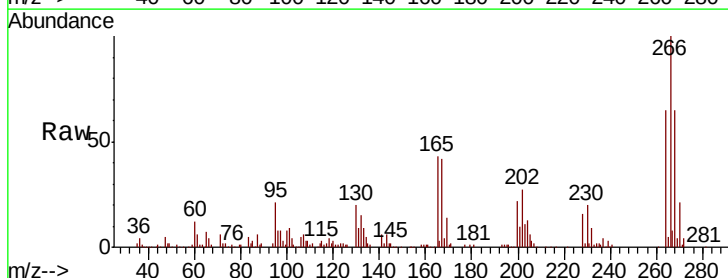
Tgt Ion:266 Resp: 172388

Ion Ratio Lower Upper

266 100

268 64.6 51.1 76.7

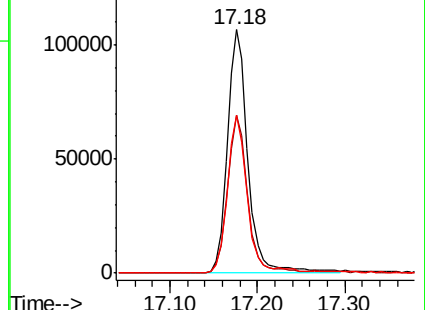
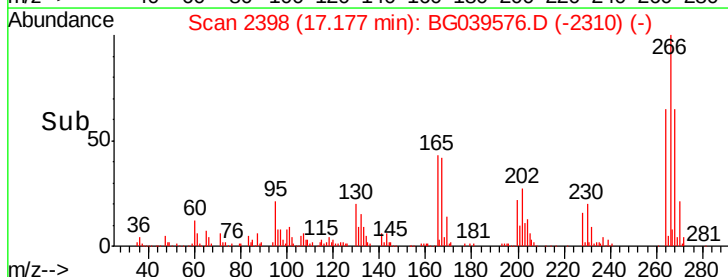
264 64.9 52.1 78.1

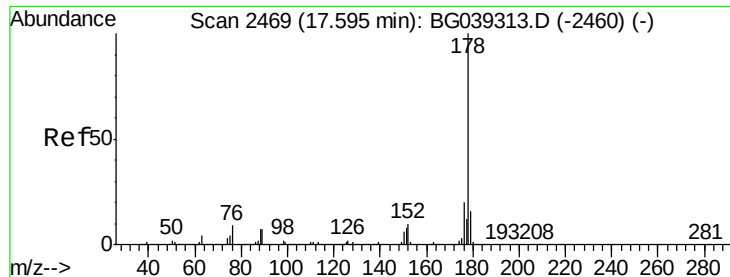


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

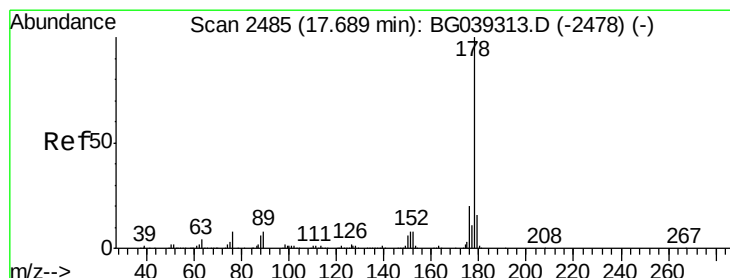
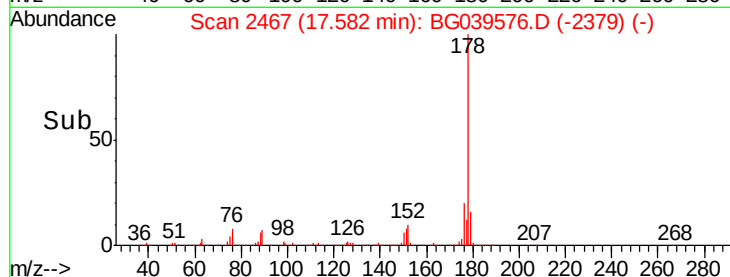
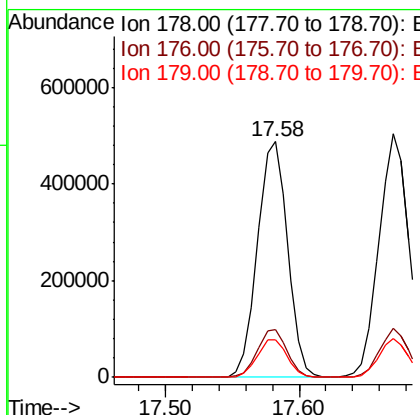
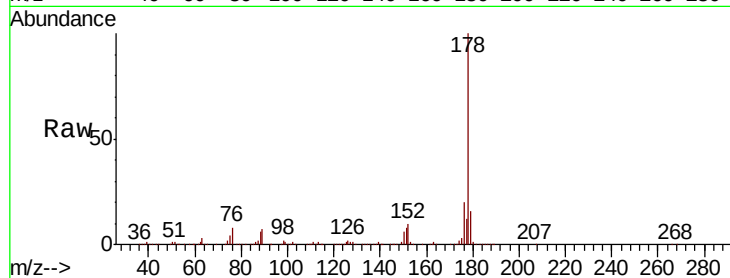




#71  
Phenanthrene  
Concen: 38.839 ng  
RT: 17.58 min Scan# 2467  
Delta R.T. -0.01 min  
Lab File: BG039576.D  
Acq: 21 Feb 2019 18:10

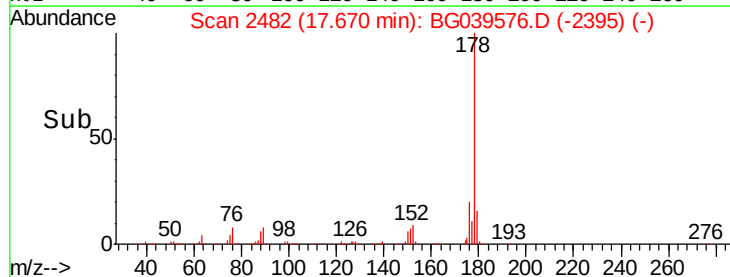
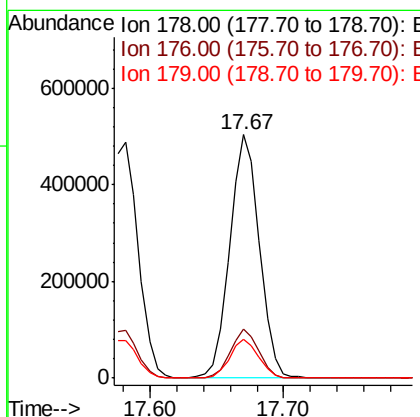
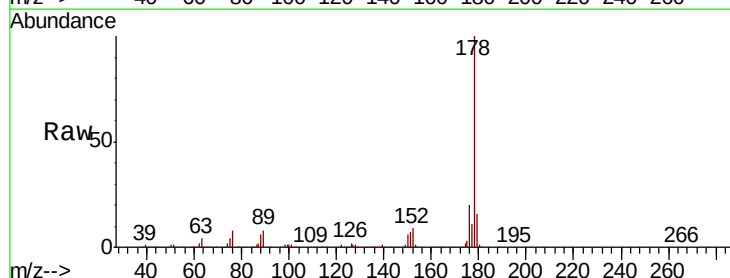
Instrument :  
BNA\_G  
ClientSampleId :  
OR-02-021919-AMSD

Tot Ion:178 Resp: 757074  
Ion Ratio Lower Upper  
178 100  
176 20.0 16.2 24.4  
179 16.1 12.6 19.0

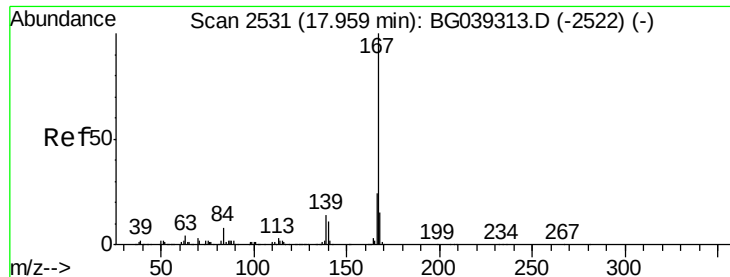


#72  
Anthracene  
Concen: 40.239 ng  
RT: 17.67 min Scan# 2482  
Delta R.T. -0.02 min  
Lab File: BG039576.D  
Acq: 21 Feb 2019 18:10

Tgt Ion:178 Resp: 772594  
Ion Ratio Lower Upper  
178 100  
176 19.9 15.8 23.6  
179 15.8 12.5 18.7







#73

Carbazole

Concen: 35.214 ng

RT: 17.94 min Scan# 2528

Delta R.T. -0.02 min

Lab File: BG039576.D

Acq: 21 Feb 2019 18:10

Instrument :

BNA\_G

ClientSampleId :

OR-02-021919-AMSD

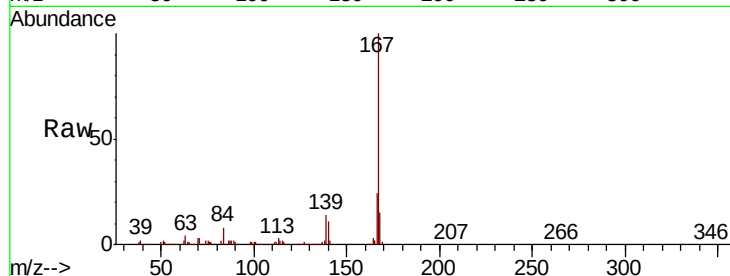
Tot Ion:167 Resp: 674752

Ion Ratio Lower Upper

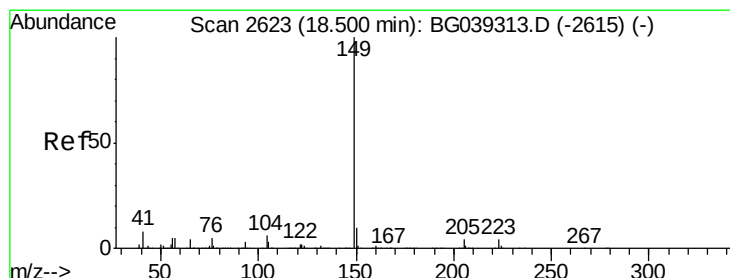
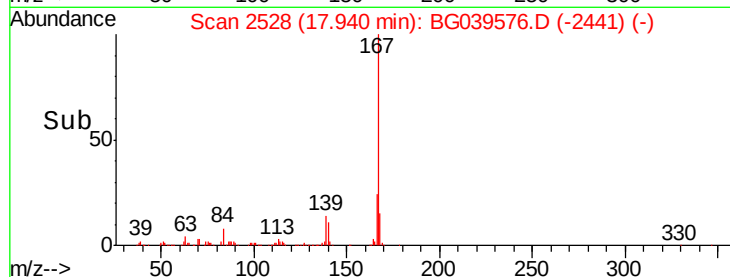
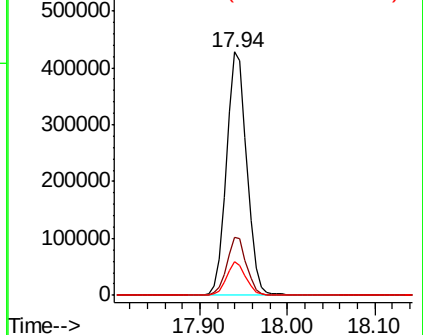
167 100

166 23.7 19.4 29.2

139 13.7 10.8 16.2



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



#74

Di-n-butylphthalate

Concen: 36.391 ng

RT: 18.47 min Scan# 2619

Delta R.T. -0.02 min

Lab File: BG039576.D

Acq: 21 Feb 2019 18:10

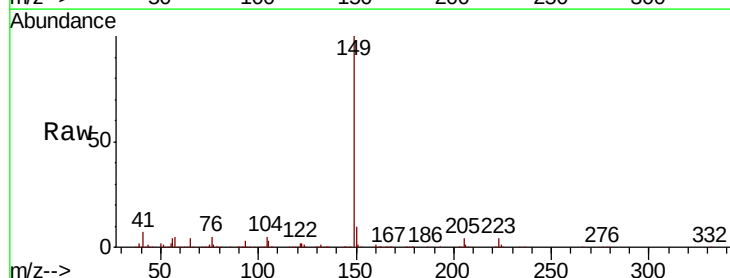
Tgt Ion:149 Resp: 813508

Ion Ratio Lower Upper

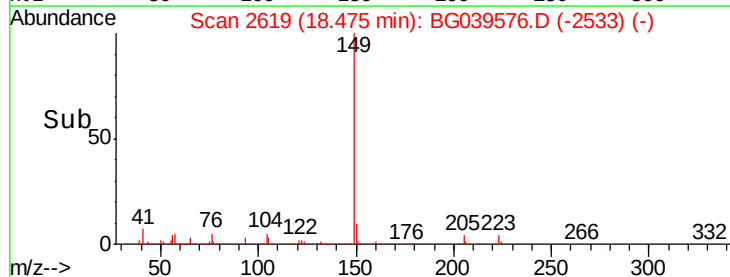
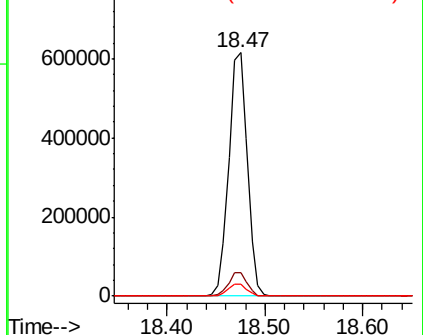
149 100

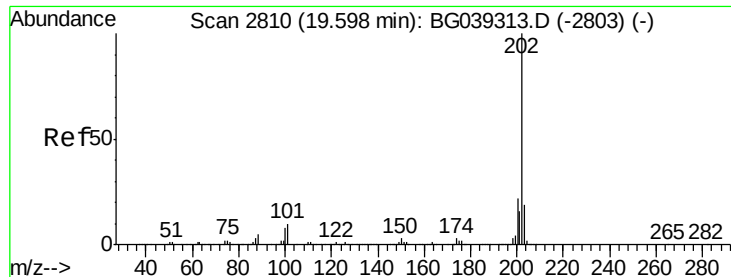
150 9.6 7.7 11.5

104 5.1 4.5 6.7



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





#75

Fluoranthene

Concen: 39.850 ng

RT: 19.58 min Scan# 2807

Delta R.T. -0.02 min

Lab File: BG039576.D

Acq: 21 Feb 2019 18:10

Instrument :

BNA\_G

ClientSampleId :

OR-02-021919-AMSD

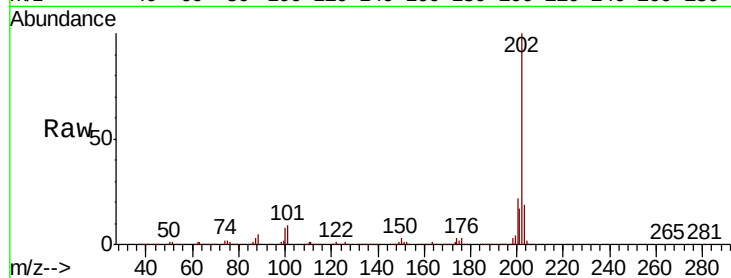
Tot Ion:202 Resp: 901606

Ion Ratio Lower Upper

202 100

101 8.8 0.0 30.0

203 18.8 0.0 38.9

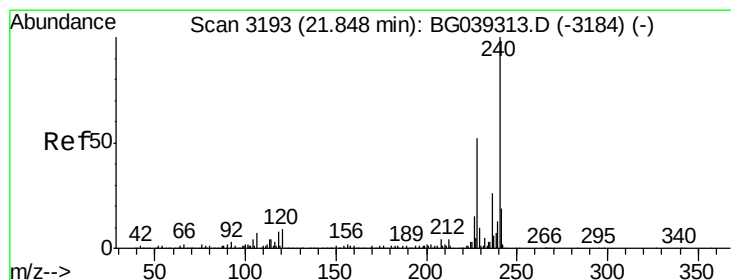
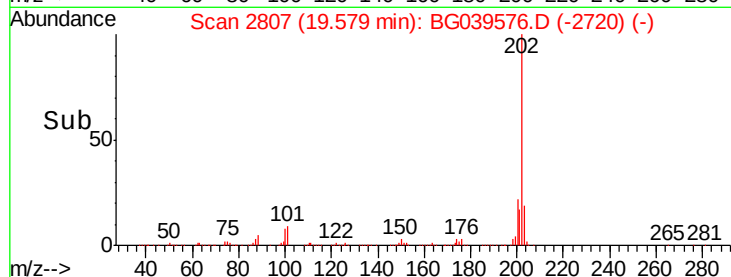
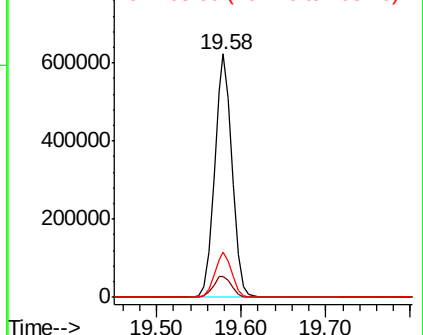


Abundance

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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.83 min Scan# 3190

Delta R.T. -0.02 min

Lab File: BG039576.D

Acq: 21 Feb 2019 18:10

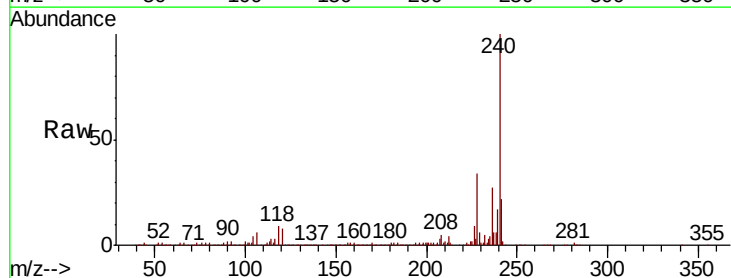
Tgt Ion:240 Resp: 372958

Ion Ratio Lower Upper

240 100

120 8.5 7.0 10.6

236 27.0 21.0 31.4

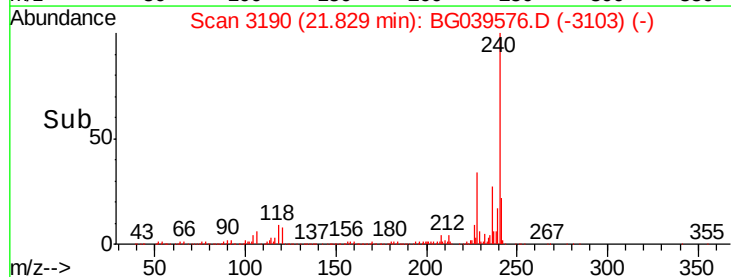
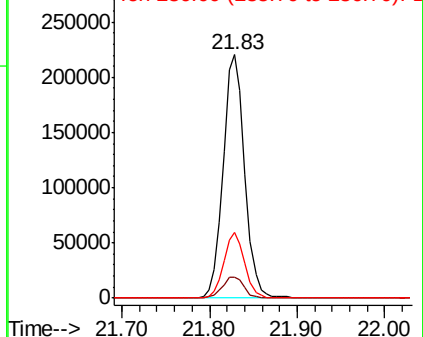


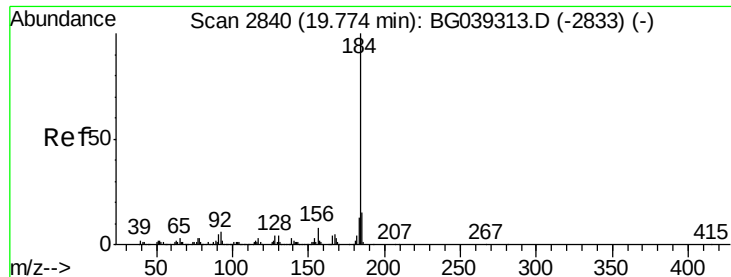
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 3.384 ng

RT: 19.76 min Scan# 2838

Delta R.T. -0.01 min

Lab File: BG039576.D

Acq: 21 Feb 2019 18:10

Instrument :

BNA\_G

ClientSampleId :

OR-02-021919-AMSD

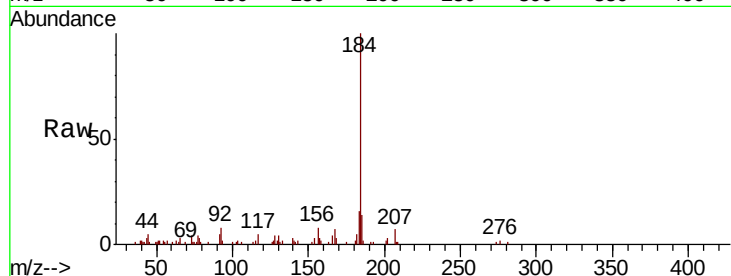
Tot Ion:184 Resp: 41384

Ion Ratio Lower Upper

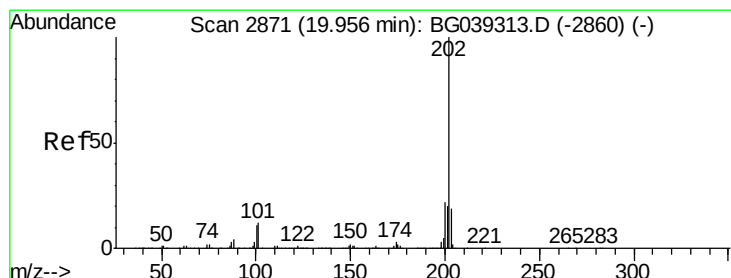
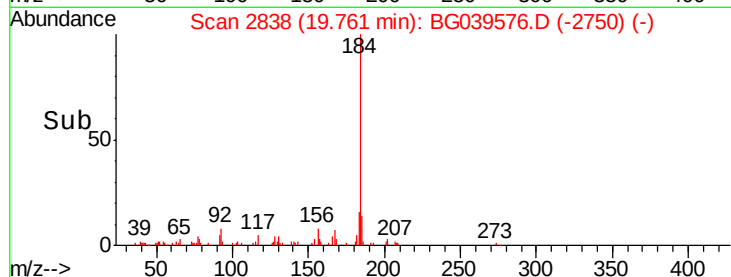
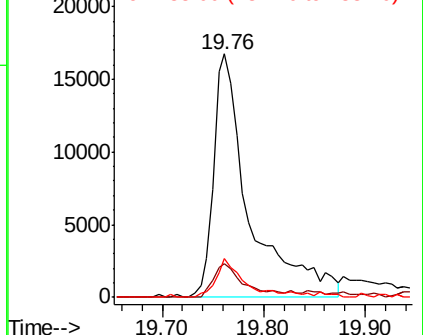
184 100

185 13.6 12.2 18.2

183 16.2 10.6 15.8#



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



#78

Pyrene

Concen: 39.212 ng

RT: 19.94 min Scan# 2869

Delta R.T. -0.01 min

Lab File: BG039576.D

Acq: 21 Feb 2019 18:10

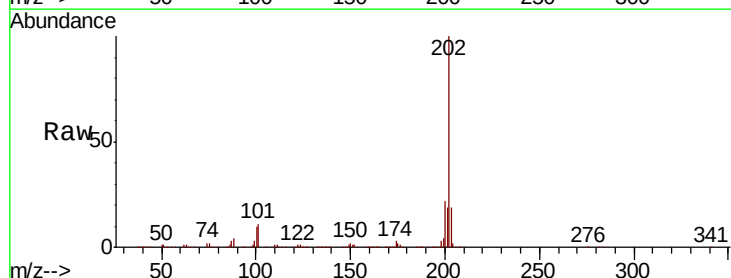
Tgt Ion:202 Resp: 910410

Ion Ratio Lower Upper

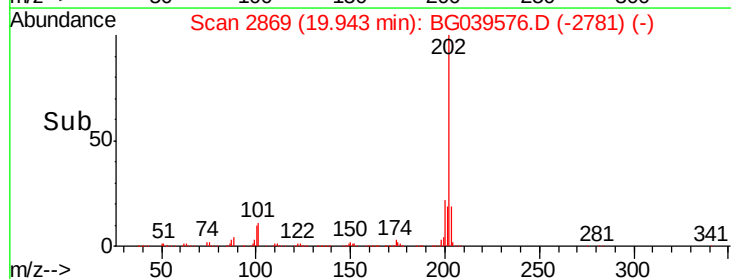
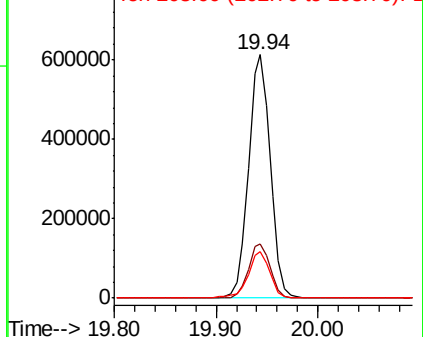
202 100

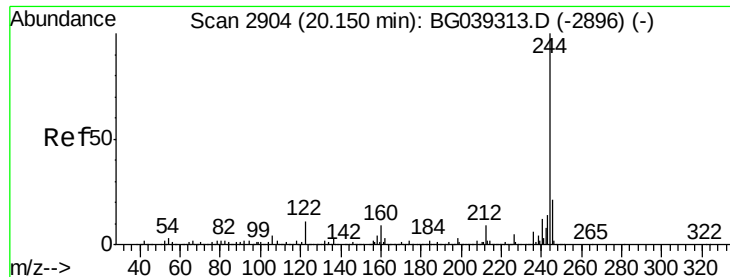
200 22.5 17.8 26.8

203 19.1 15.3 22.9



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





#79

Terphenyl-d14

Concen: 78.542 ng

RT: 20.13 min Scan# 2901

Delta R.T. -0.02 min

Lab File: BG039576.D

Acq: 21 Feb 2019 18:10

Instrument :

BNA\_G

ClientSampleId :

OR-02-021919-AMSD

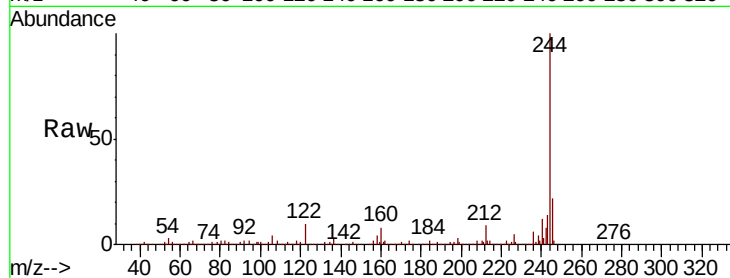
Tot Ion:244 Resp: 1383895

Ion Ratio Lower Upper

244 100

212 9.1 7.3 10.9

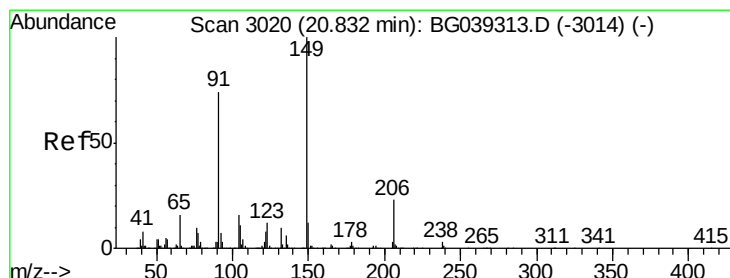
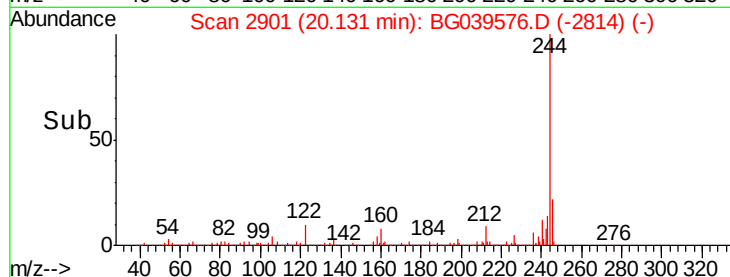
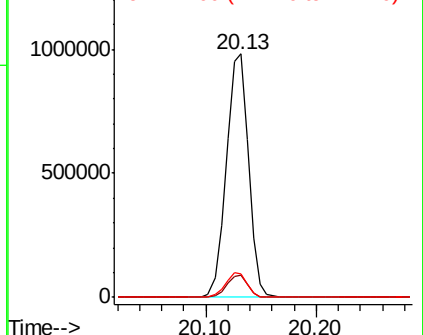
122 9.8 8.4 12.6



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 38.774 ng

RT: 20.81 min Scan# 3016

Delta R.T. -0.02 min

Lab File: BG039576.D

Acq: 21 Feb 2019 18:10

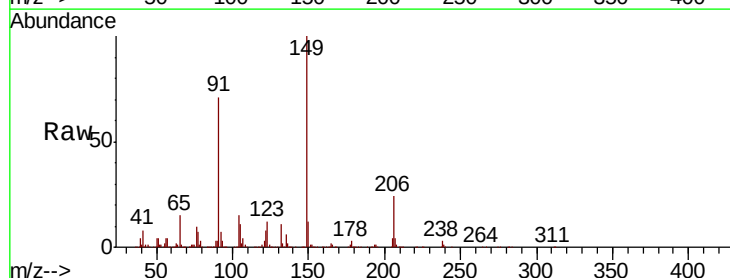
Tgt Ion:149 Resp: 379756

Ion Ratio Lower Upper

149 100

91 70.9 59.5 89.3

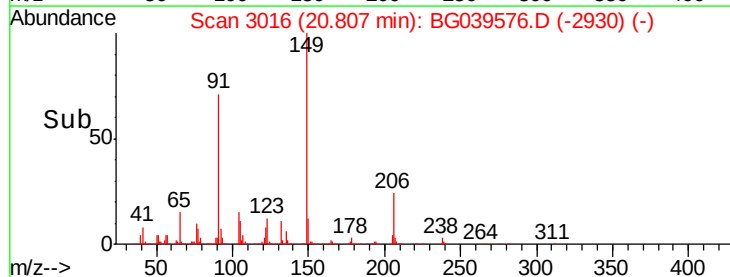
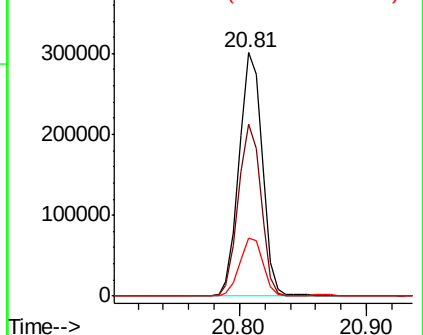
206 24.0 18.6 27.8

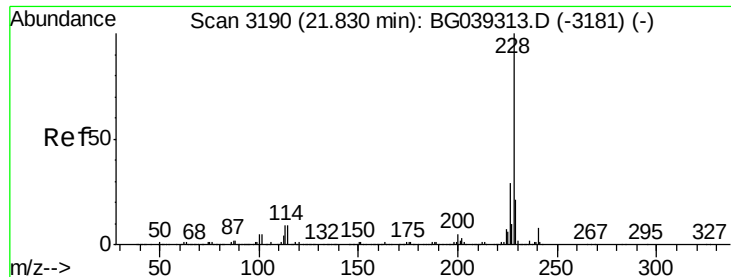


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 39.694 ng

RT: 21.81 min Scan# 3186

Delta R.T. -0.02 min

Lab File: BG039576.D

Acq: 21 Feb 2019 18:10

Instrument :

BNA\_G

ClientSampleId :

OR-02-021919-AMSD

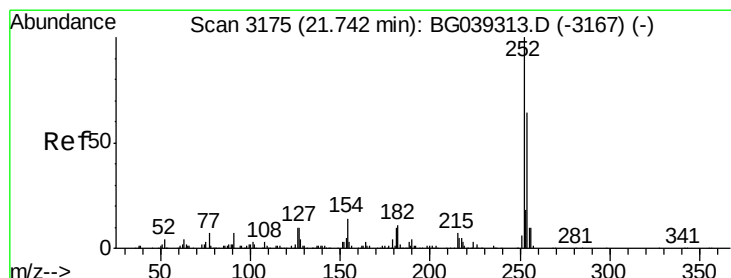
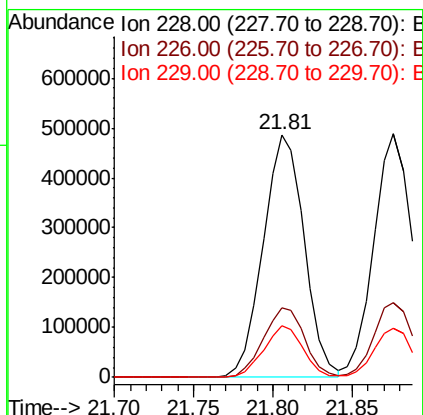
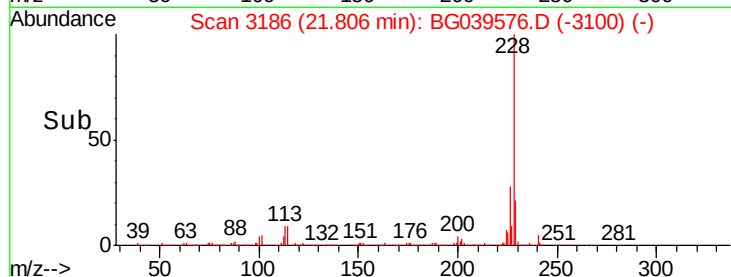
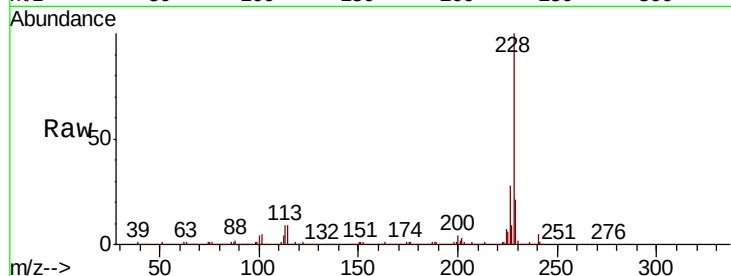
Tot Ion:228 Resp: 874781

Ion Ratio Lower Upper

228 100

226 28.4 23.0 34.6

229 21.3 16.9 25.3



#82

3,3'-Dichlorobenzidine

Concen: 11.507 ng

RT: 21.72 min Scan# 3171

Delta R.T. -0.02 min

Lab File: BG039576.D

Acq: 21 Feb 2019 18:10

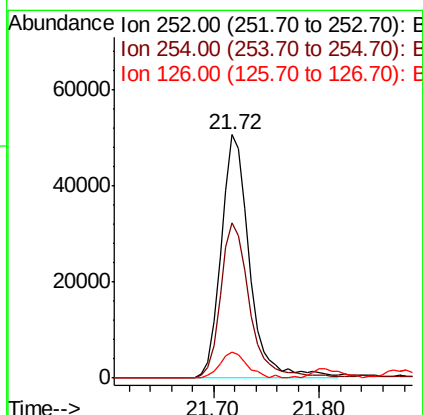
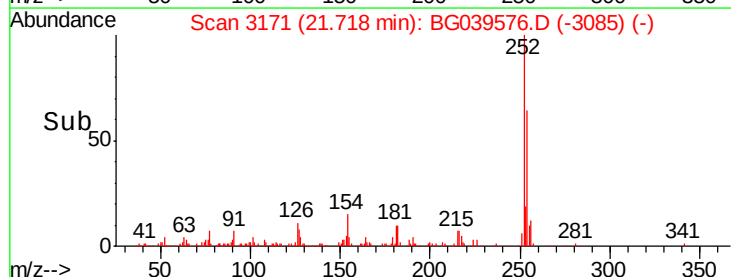
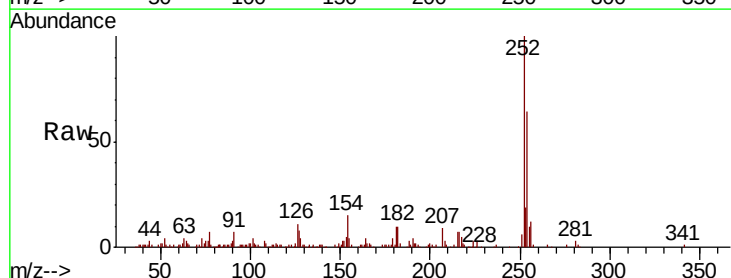
Tgt Ion:252 Resp: 94027

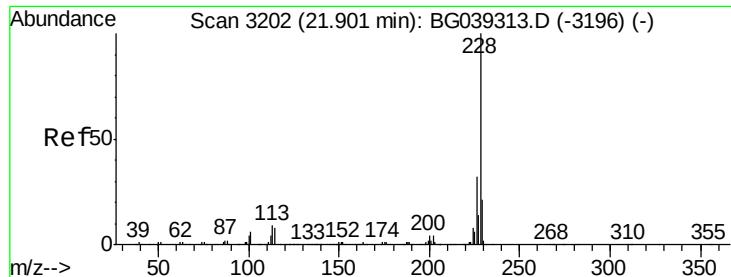
Ion Ratio Lower Upper

252 100

254 63.8 51.3 76.9

126 10.9 8.0 12.0





#83

Chrysene

Concen: 39.985 ng

RT: 21.88 min Scan# 3198

Delta R.T. -0.02 min

Lab File: BG039576.D

Acq: 21 Feb 2019 18:10

Instrument :

BNA\_G

ClientSampleId :

OR-02-021919-AMSD

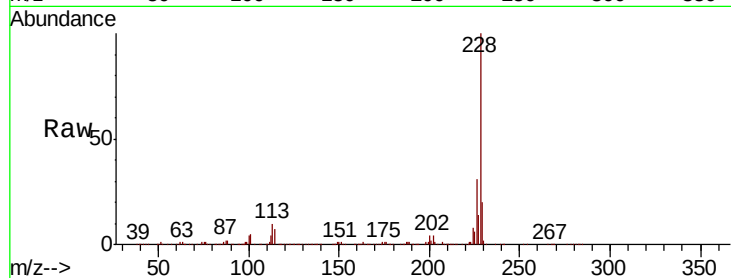
Tot Ion:228 Resp: 838824

Ion Ratio Lower Upper

228 100

226 30.9 25.8 38.6

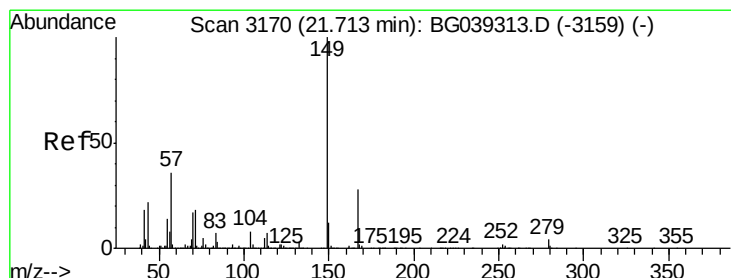
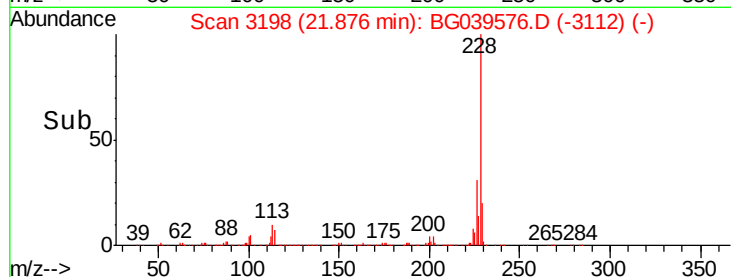
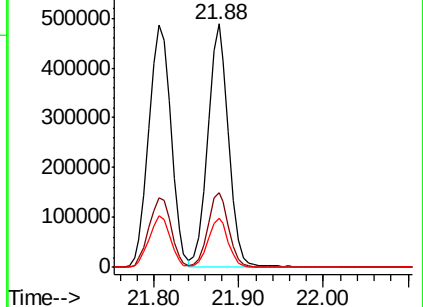
229 20.0 16.6 25.0



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 37.424 ng

RT: 21.67 min Scan# 3163

Delta R.T. -0.04 min

Lab File: BG039576.D

Acq: 21 Feb 2019 18:10

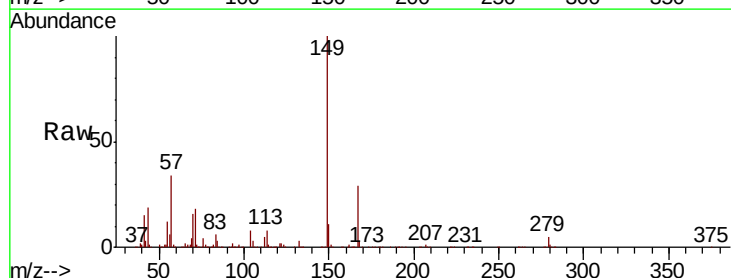
Tgt Ion:149 Resp: 522909

Ion Ratio Lower Upper

149 100

167 28.8 22.6 34.0

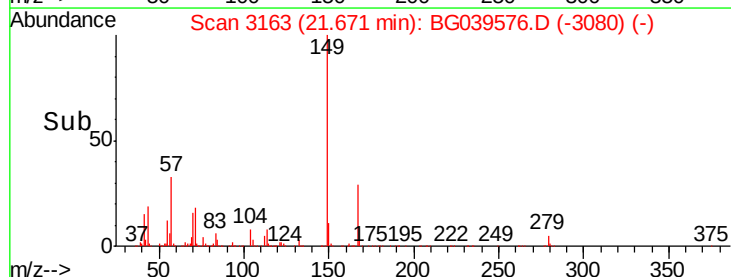
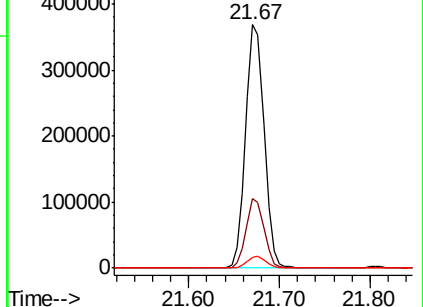
279 4.5 3.5 5.3

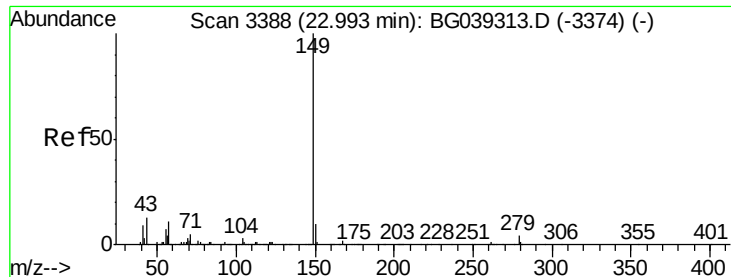


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

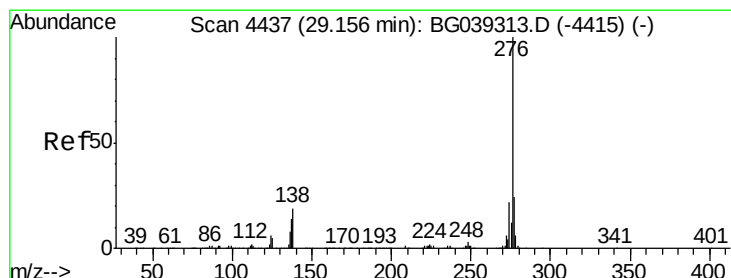
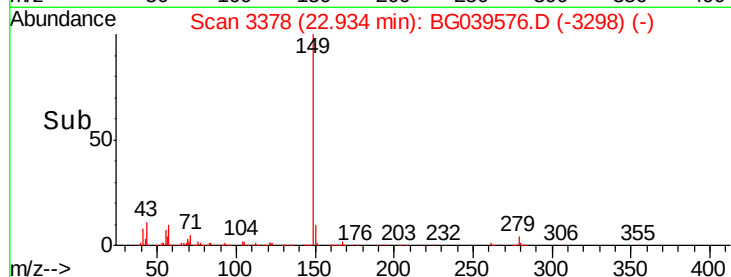
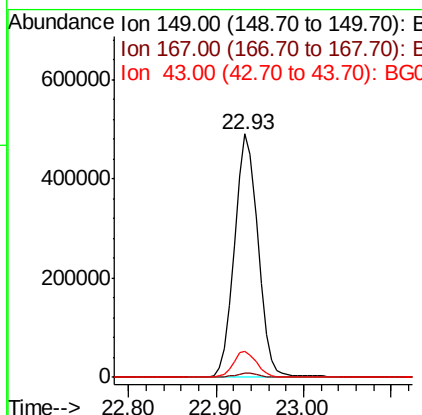
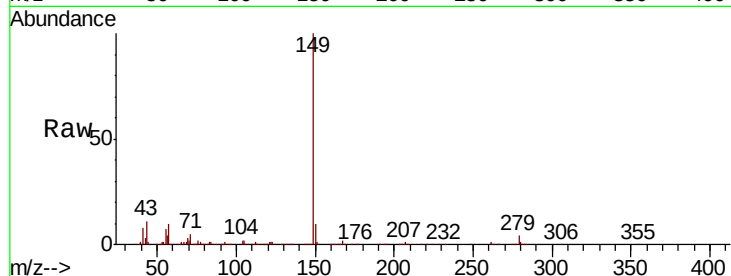




#85  
Di-n-octyl phthalate  
Concen: 38.399 ng  
RT: 22.93 min Scan# 3378  
Delta R.T. -0.06 min  
Lab File: BG039576.D  
Acq: 21 Feb 2019 18:10

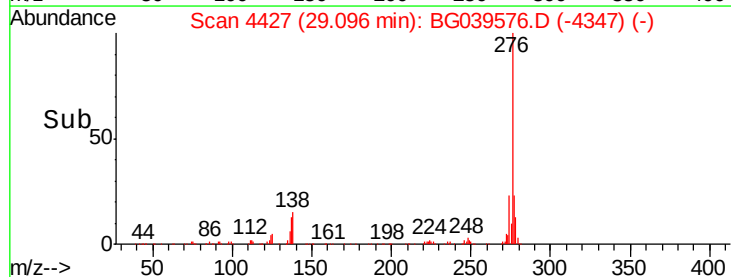
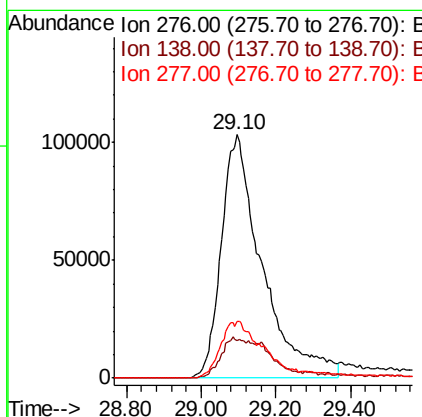
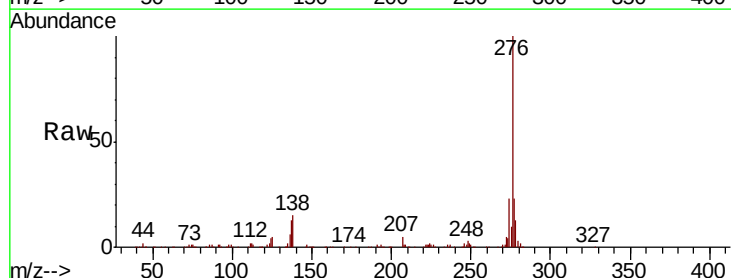
Instrument :  
BNA\_G  
ClientSampleId :  
OR-02-021919-AMSD

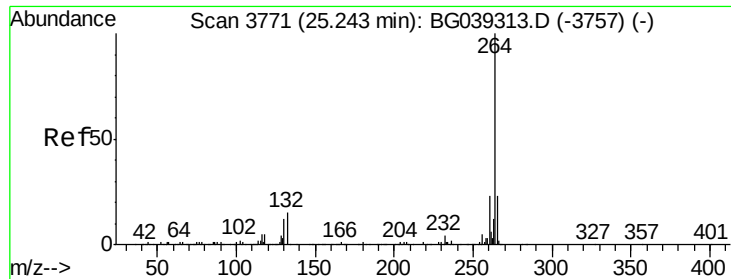
Tot Ion:149 Resp: 886406  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.3 1.9  
43 10.7 10.2 15.4



#86  
Indeno(1,2,3-cd)pyrene  
Concen: 34.870 ng  
RT: 29.10 min Scan# 4427  
Delta R.T. -0.06 min  
Lab File: BG039576.D  
Acq: 21 Feb 2019 18:10

Tgt Ion:276 Resp: 784869  
Ion Ratio Lower Upper  
276 100  
138 6.8 12.6 19.0#  
277 8.7 20.8 31.2#

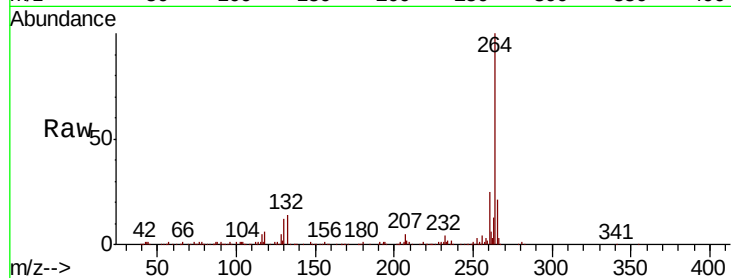




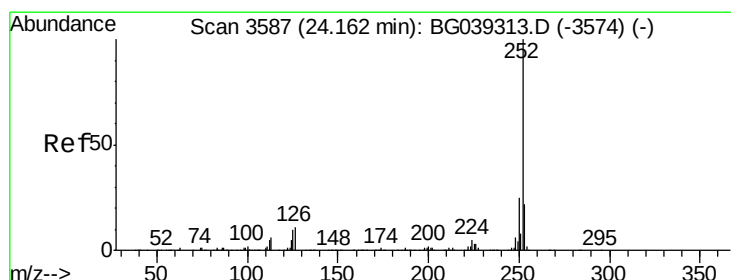
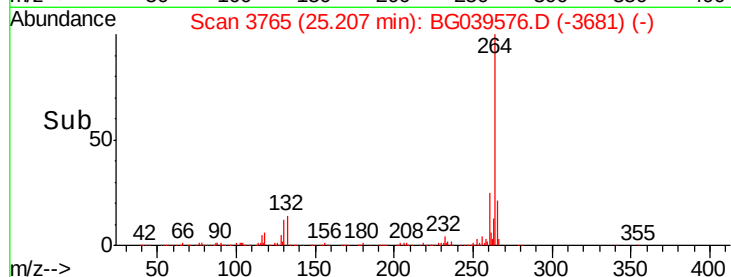
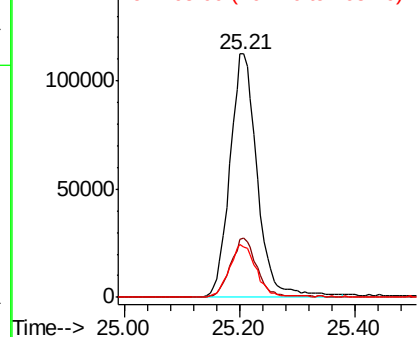
#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 25.21 min Scan# 3765  
Delta R.T. -0.04 min  
Lab File: BG039576.D  
Acq: 21 Feb 2019 18:10

Instrument :  
BNA\_G  
ClientSampleId :  
OR-02-021919-AMSD

|     |         |       |        |
|-----|---------|-------|--------|
| Tot | Ion:264 | Resp: | 368779 |
| Ion | Ratio   | Lower | Upper  |
| 264 | 100     |       |        |
| 260 | 24.6    | 18.2  | 27.4   |
| 265 | 20.8    | 18.5  | 27.7   |

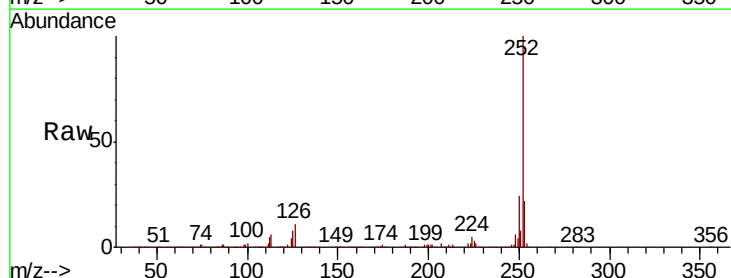


Abundance Ion 264.00 (263.70 to 264.70): E  
Ion 260.00 (259.70 to 260.70): E  
Ion 265.00 (264.70 to 265.70): E

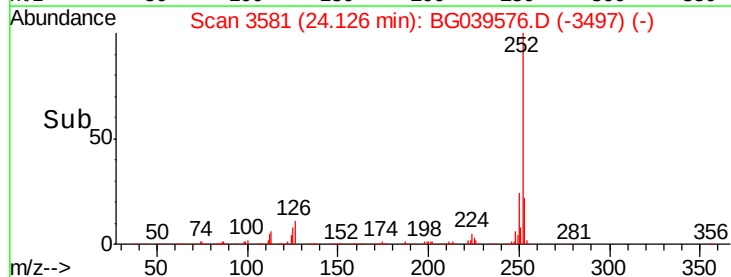
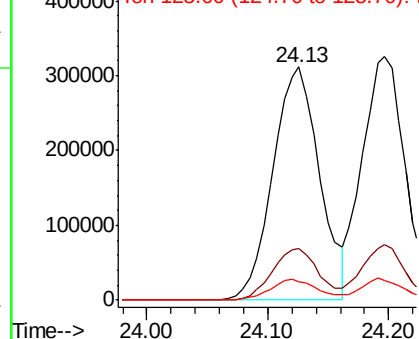


#88  
Benzo(b)fluoranthene  
Concen: 41.452 ng  
RT: 24.13 min Scan# 3581  
Delta R.T. -0.04 min  
Lab File: BG039576.D  
Acq: 21 Feb 2019 18:10

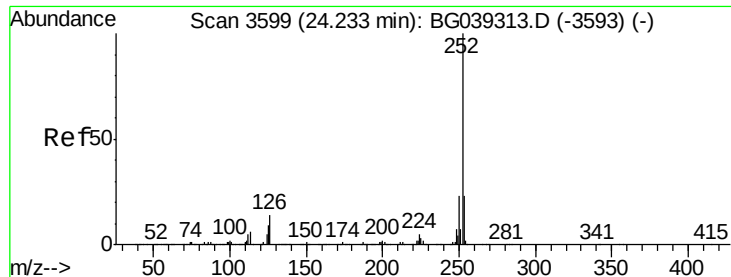
|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:252 | Resp: | 833666 |
| Ion | Ratio   | Lower | Upper  |
| 252 | 100     |       |        |
| 253 | 22.0    | 17.8  | 26.8   |
| 125 | 7.9     | 7.8   | 11.6   |



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



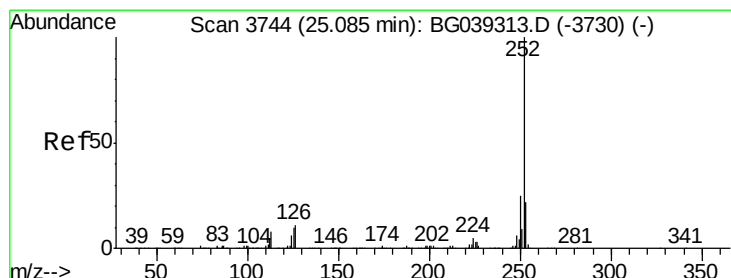
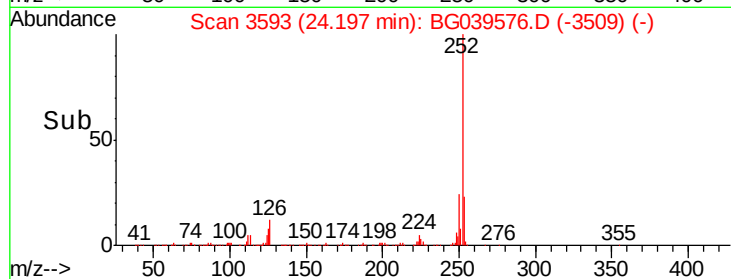
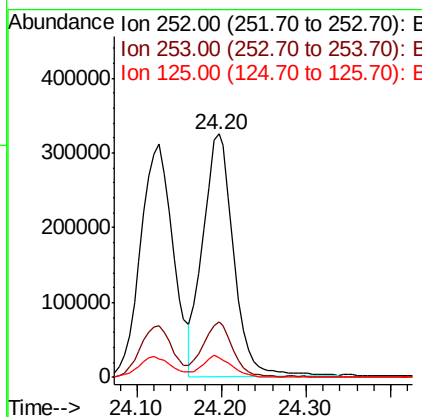
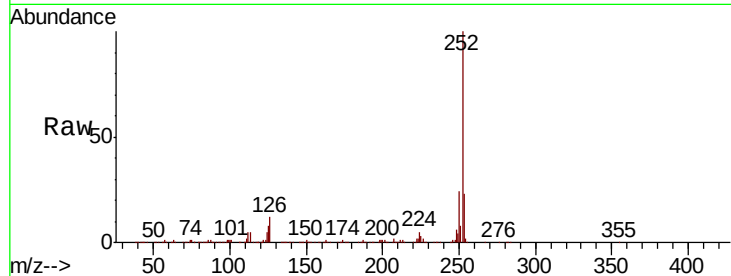




#89  
Benzo(k)fluoranthene  
Concen: 40.535 ng  
RT: 24.20 min Scan# 3593  
Delta R.T. -0.04 min  
Lab File: BG039576.D  
Acq: 21 Feb 2019 18:10

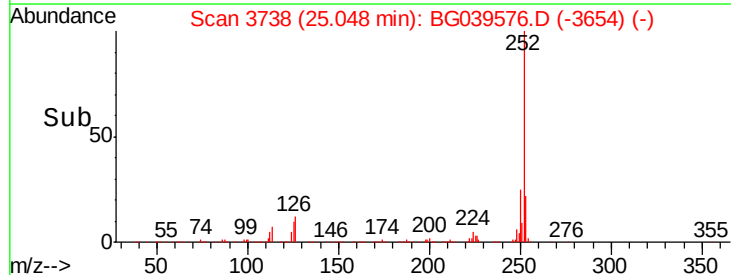
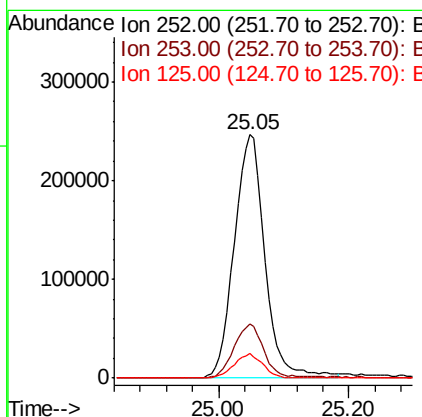
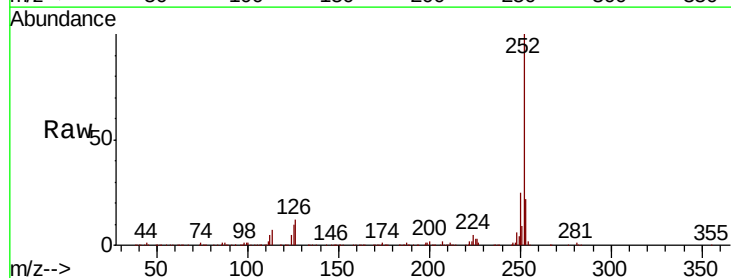
Instrument :  
BNA\_G  
ClientSampleId :  
OR-02-021919-AMSD

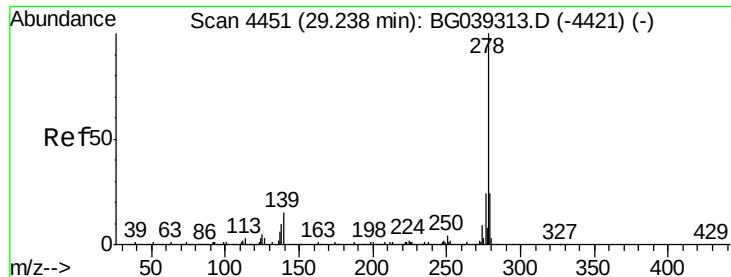
Tot Ion:252 Resp: 818473  
Ion Ratio Lower Upper  
252 100  
253 22.8 18.2 27.2  
125 8.3 7.4 11.2



#90  
Benzo(a)pyrene  
Concen: 41.202 ng  
RT: 25.05 min Scan# 3738  
Delta R.T. -0.04 min  
Lab File: BG039576.D  
Acq: 21 Feb 2019 18:10

Tgt Ion:252 Resp: 798033  
Ion Ratio Lower Upper  
252 100  
253 22.4 17.9 26.9  
125 9.9 8.3 12.5





#91

Dibenzo(a,h)anthracene

Concen: 33.003 ng

RT: 29.17 min Scan# 4439

Delta R.T. -0.07 min

Lab File: BG039576.D

Acq: 21 Feb 2019 18:10

Instrument :

BNA\_G

ClientSampleId :

OR-02-021919-AMSD

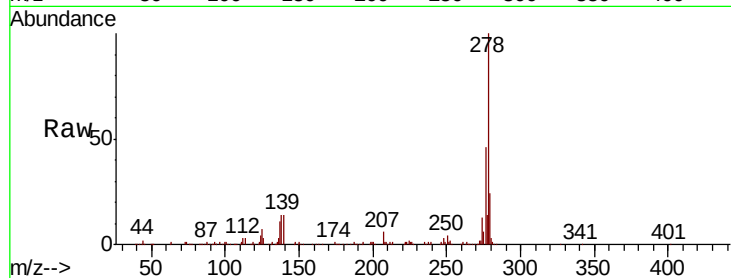
Tot Ion:278 Resp: 598638

Ion Ratio Lower Upper

278 100

139 14.5 11.7 17.5

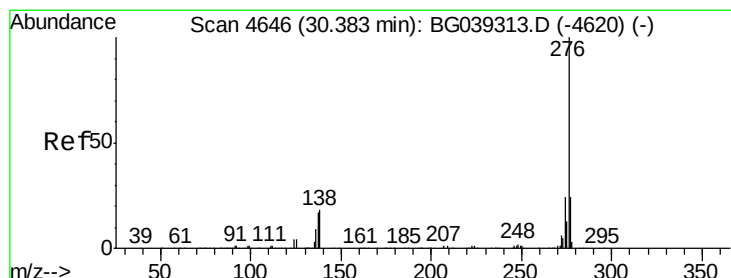
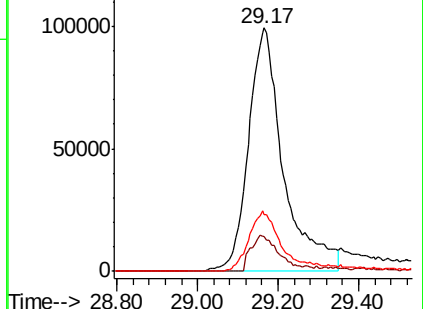
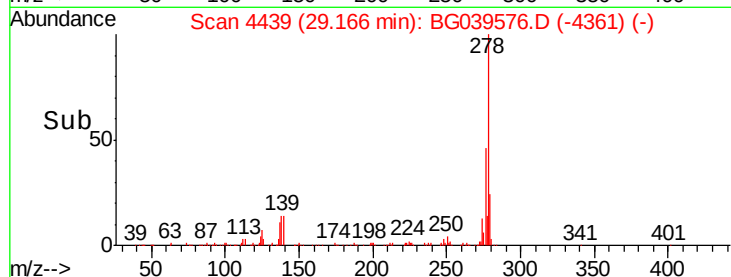
279 23.6 19.1 28.7



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



#92

Benzo(g,h,i)perylene

Concen: 35.183 ng

RT: 30.31 min Scan# 4634

Delta R.T. -0.07 min

Lab File: BG039576.D

Acq: 21 Feb 2019 18:10

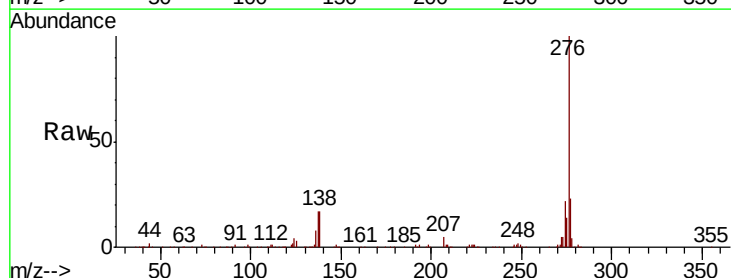
Tgt Ion:276 Resp: 636094

Ion Ratio Lower Upper

276 100

277 22.8 19.6 29.4

138 17.4 14.7 22.1



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

