

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082219\  
 Data File : BG042417.D  
 Acq On : 23 Aug 2019 1:24  
 Operator : HP/JU  
 Sample : K4421-13  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Aug 23 02:40:26 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082219.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 22 14:29:15 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.00  | 152  | 210034   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.82 | 136  | 857266   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 14.66 | 164  | 583492   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 17.41 | 188  | 1138815  | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.69 | 240  | 1100366  | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 24.93 | 264  | 1321901  | 20.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 5) 2-Fluorophenol           | 5.56  | 112  | 544799   | 52.53 | ng    | 0.00     |
| 7) Phenol-d6                | 7.17  | 99   | 767845   | 54.81 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.17  | 82   | 422664   | 34.07 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.15 | 330  | 328497   | 39.61 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 13.28 | 172  | 1174525  | 34.04 | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.03 | 244  | 1650187  | 32.42 | ng    | 0.00     |

| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 3.42  | 88   | 253      | 0.058 | ng    | # 76   |
| 3) Pyridine                    | 3.95  | 79   | 61       | 0.005 | ng    | # 1    |
| 4) n-Nitrosodimethylamine      | 3.74  | 42   | 321      | 0.081 | ng    | # 1    |
| 6) Aniline                     | 7.19  | 93   | 59       | 0.003 | ng    | # 1    |
| 9) Benzaldehyde                | 7.17  | 77   | 1221     | 0.174 | ng    | # 1    |
| 10) Phenol                     | 7.19  | 94   | 8956     | 0.629 | ng    | # 79   |
| 11) bis(2-Chloroethyl)ether    | 7.53  | 93   | 902      | 0.081 | ng    | # 1    |
| 15) Benzyl Alcohol             | 8.32  | 79   | 6474     | 0.642 | ng    | # 41   |
| 16) 2,2'-oxybis(1-Chloropropan | 8.43  | 45   | 56       | 0.004 | ng    | # 66   |
| 18) Hexachloroethane           | 9.12  | 117  | 56       | 0.010 | ng    | # 1    |
| 19) n-Nitroso-di-n-propylamine | 9.17  | 70   | 52347    | 5.768 | ng    | # 76   |
| 22) Acetophenone               | 8.81  | 105  | 457      | 0.025 | ng    | # 54   |
| 24) Nitrobenzene               | 9.17  | 77   | 1287     | 0.102 | ng    | # 33   |
| 25) Isophorone                 | 9.74  | 82   | 415      | 0.017 | ng    | # 59   |
| 31) Naphthalene                | 10.87 | 128  | 9109     | 0.229 | ng    | # 97   |
| 33) 4-Chloroaniline            | 10.87 | 127  | 1129     | 0.061 | ng    | # 48   |
| 35) Caprolactam                | 11.86 | 113  | 134      | 0.028 | ng    | # 38   |
| 36) 4-Chloro-3-methylphenol    | 12.40 | 107  | 54       | 0.004 | ng    | # 15   |
| 37) 2-Methylnaphthalene        | 12.49 | 142  | 7480     | 0.234 | ng    | # 98   |
| 38) 1-Methylnaphthalene        | 12.71 | 142  | 4110     | 0.135 | ng    | # 95   |
| 46) 1,1'-Biphenyl              | 13.50 | 154  | 3694     | 0.098 | ng    | # 99   |
| 47) 2-Chloronaphthalene        | 13.84 | 162  | 264      | 0.008 | ng    | # 41   |
| 48) 2-Nitroaniline             | 13.83 | 65   | 57       | 0.007 | ng    | # 1    |
| 49) Acenaphthylene             | 14.39 | 152  | 5137     | 0.105 | ng    | # 76   |
| 50) Dimethylphthalate          | 14.11 | 163  | 198464   | 4.714 | ng    | # 99   |
| 51) 2,6-Dinitrotoluene         | 14.66 | 165  | 79123    | 8.108 | ng    | # 37   |
| 52) Acenaphthene               | 14.72 | 154  | 9418     | 0.317 | ng    | # 94   |
| 53) 3-Nitroaniline             | 14.64 | 138  | 67       | 0.007 | ng    | # 1    |
| 55) Dibenzofuran               | 15.06 | 168  | 11054    | 0.225 | ng    | # 96   |
| 56) 4-Nitrophenol              | 15.06 | 139  | 3714     | 0.536 | ng    | # 20   |
| 57) 2,4-Dinitrotoluene         | 14.66 | 165  | 79123    | 5.662 | ng    | # 40   |
| 58) Fluorene                   | 15.72 | 166  | 14758    | 0.367 | ng    | # 94   |
| 60) Diethylphthalate           | 15.48 | 149  | 1344     | 0.033 | ng    | # 80   |
| 61) 4-Chlorophenyl-phenylether | 16.05 | 204  | 55       | 0.002 | ng    | # 34   |

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 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

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 ClientSampleId :

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 QLast Update : Thu Aug 22 14:29:15 2019  
 Response via : Initial Calibration

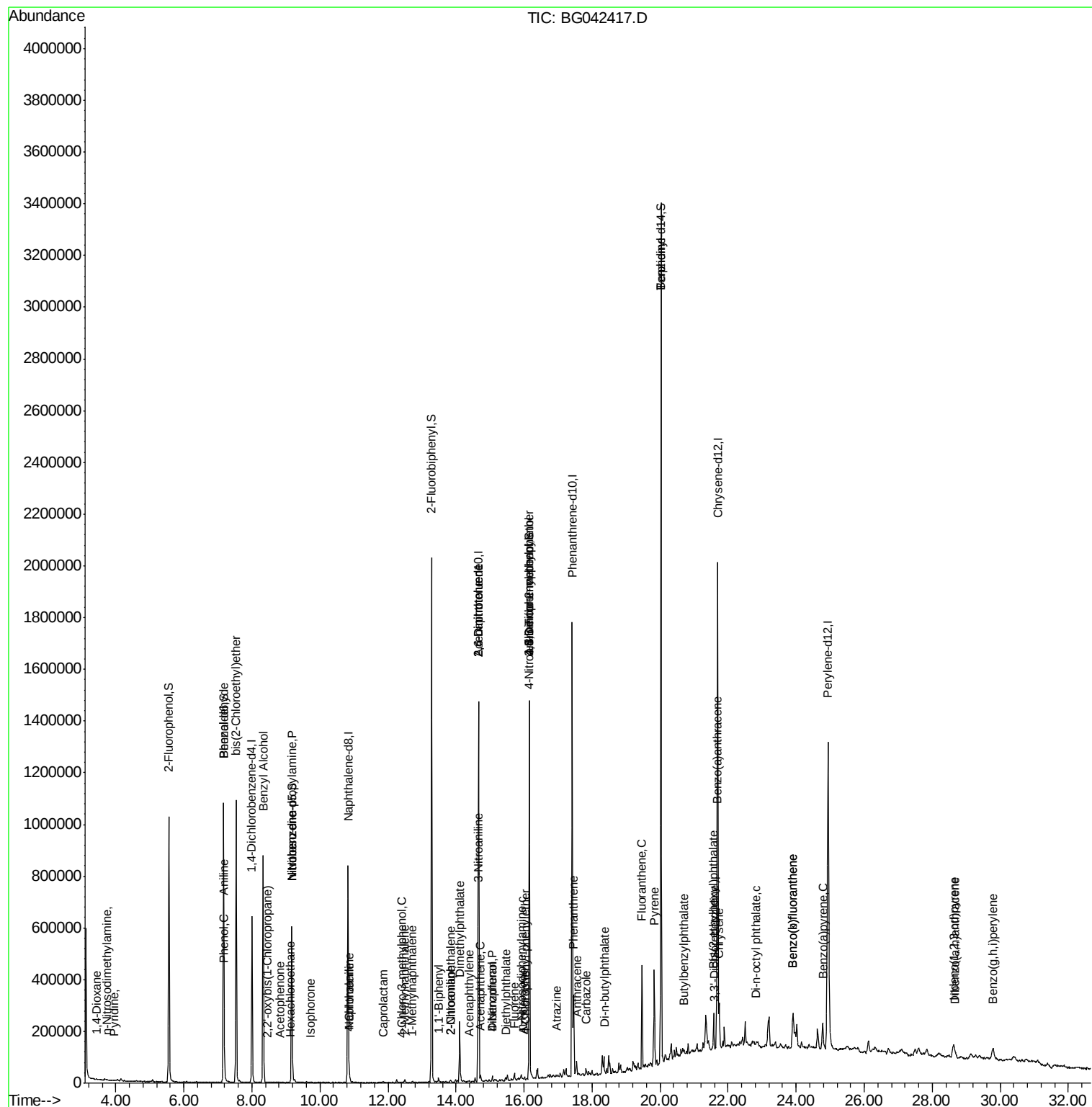
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| -----                          |       |      |          |       |       |          |
| 62) 4-Nitroaniline             | 16.16 | 138  | 54       | 0.005 | ng    | # 1      |
| 63) Azobenzene                 | 15.99 | 77   | 374      | 0.013 | ng    | # 1      |
| 65) 4,6-Dinitro-2-methylphenol | 16.15 | 198  | 786      | 0.110 | ng    | # 1      |
| 66) n-Nitrosodiphenylamine     | 15.92 | 169  | 1487     | 0.047 | ng    | 90       |
| 67) 4-Bromophenyl-phenylether  | 16.15 | 248  | 24161    | 1.673 | ng    | # 1      |
| 69) Atrazine                   | 16.96 | 200  | 63       | 0.006 | ng    | # 35     |
| 71) Phenanthrene               | 17.46 | 178  | 208059   | 3.678 | ng    | 99       |
| 72) Anthracene                 | 17.55 | 178  | 39527    | 0.700 | ng    | 99       |
| 73) Carbazole                  | 17.82 | 167  | 17671    | 0.351 | ng    | 99       |
| 74) Di-n-butylphthalate        | 18.37 | 149  | 5921     | 0.100 | ng    | # 95     |
| 75) Fluoranthene               | 19.47 | 202  | 257659   | 3.732 | ng    | 96       |
| 77) Benzidine                  | 20.03 | 184  | 23683    | 0.751 | ng    | # 91     |
| 78) Pyrene                     | 19.83 | 202  | 245109   | 3.633 | ng    | 97       |
| 80) Butylbenzylphthalate       | 20.71 | 149  | 1526     | 0.058 | ng    | # 67     |
| 81) Benzo(a)anthracene         | 21.67 | 228  | 131533   | 1.965 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine     | 21.60 | 252  | 405      | 0.015 | ng    | # 71     |
| 83) Chrysene                   | 21.73 | 228  | 124130   | 1.923 | ng    | 98       |
| 84) Bis(2-ethylhexyl)phthalate | 21.57 | 149  | 62842    | 1.706 | ng    | 97       |
| 85) Di-n-octyl phthalate       | 22.80 | 149  | 2775     | 0.044 | ng    | # 79     |
| 86) Indeno(1,2,3-cd)pyrene     | 28.64 | 276  | 87169    | 0.994 | ng    | # 55     |
| 88) Benzo(b)fluoranthene       | 23.91 | 252  | 164784   | 2.267 | ng    | # 95     |
| 89) Benzo(k)fluoranthene       | 23.91 | 252  | 164784   | 2.359 | ng    | # 95     |
| 90) Benzo(a)pyrene             | 24.78 | 252  | 119785   | 1.737 | ng    | # 98     |
| 91) Dibenzo(a,h)anthracene     | 28.67 | 278  | 12302    | 0.176 | ng    | # 85     |
| 92) Benzo(g,h,i)perylene       | 29.79 | 276  | 93885    | 1.344 | ng    | # 94     |
| -----                          |       |      |          |       |       |          |

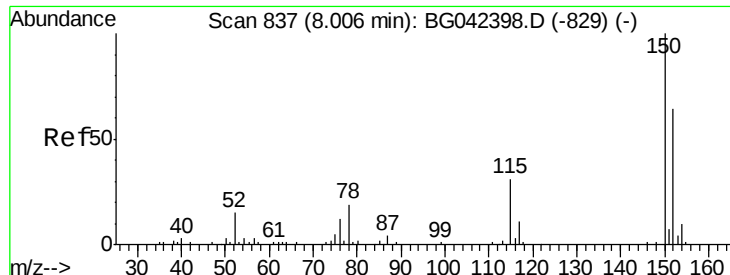
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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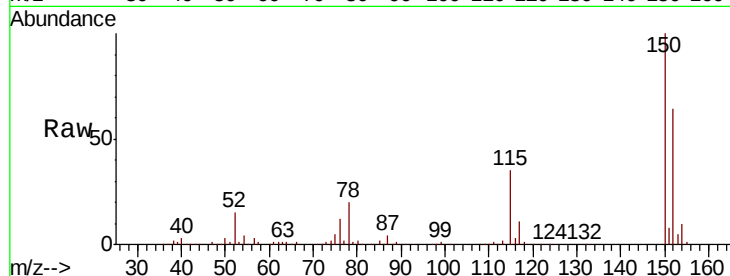


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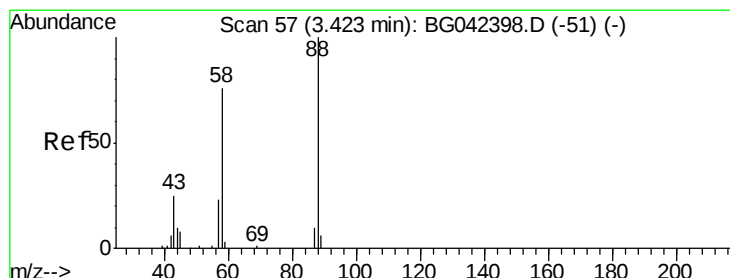
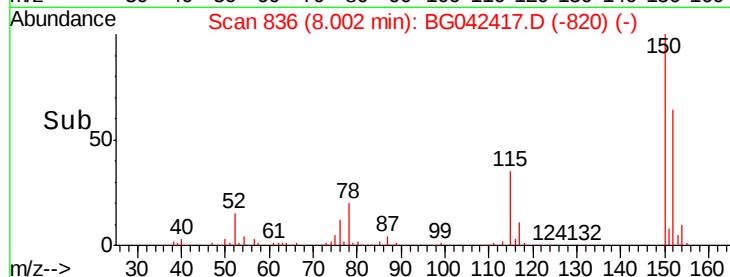
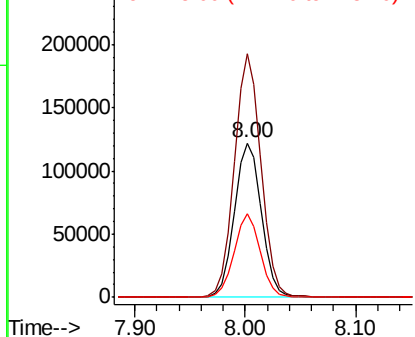
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.00 min Scan# 836  
Delta R.T. -0.00 min  
Lab File: BG042417.D  
Acq: 23 Aug 2019 1:24

Instrument :  
BNA\_G  
ClientSampled :

Tot Ion:152 Resp: 210034  
Ion Ratio Lower Upper  
152 100  
150 157.5 125.4 188.0  
115 54.5 38.5 57.7



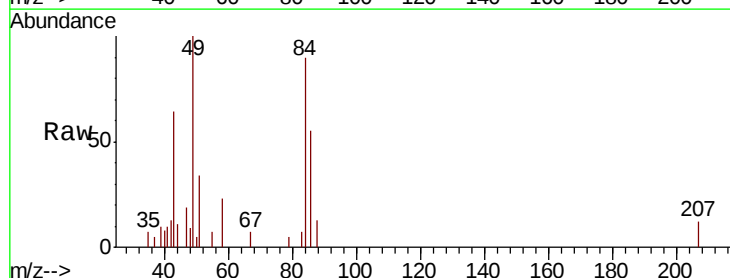
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



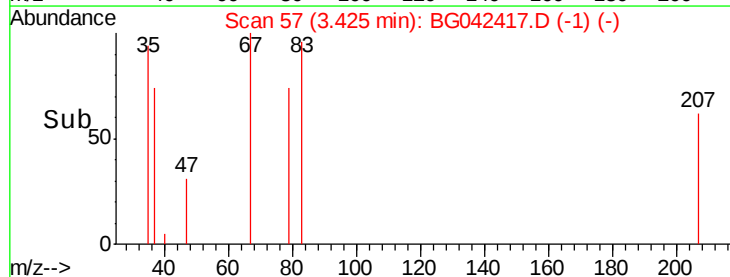
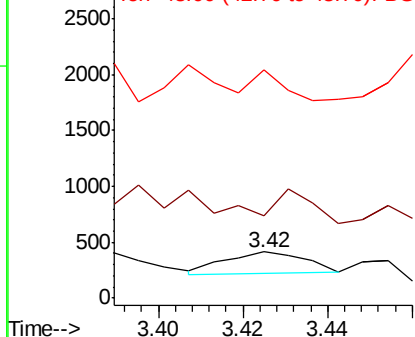
#2

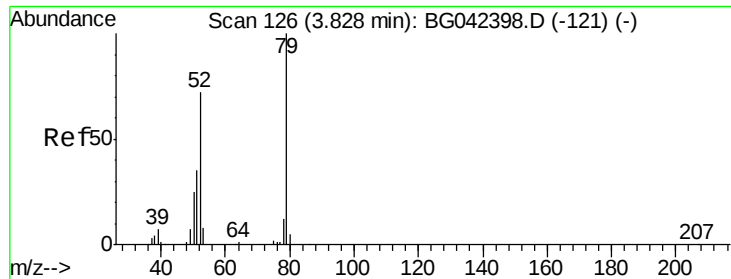
1,4-Dioxane  
Concen: 0.058 ng  
RT: 3.42 min Scan# 57  
Delta R.T. 0.00 min  
Lab File: BG042417.D  
Acq: 23 Aug 2019 1:24

Tgt Ion: 88 Resp: 253  
Ion Ratio Lower Upper  
88 100  
58 85.0 58.3 87.5  
43 0.0 20.2 30.2#



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: 0.005 ng

RT: 3.95 min Scan# 146

Delta R.T. 0.12 min

Lab File: BG042417.D

Acq: 23 Aug 2019 1:24

Instrument :

BNA\_G

ClientSampleId :

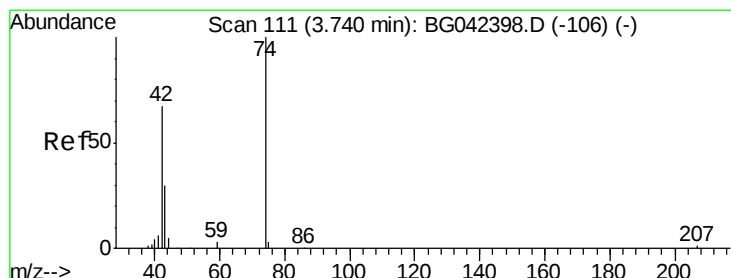
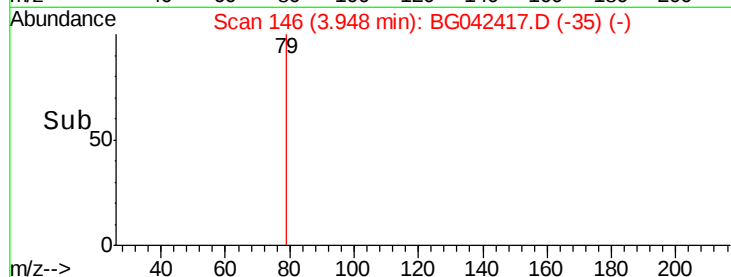
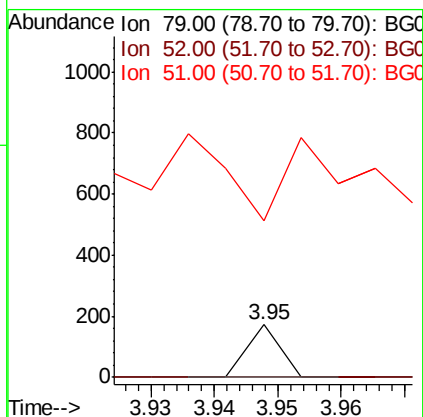
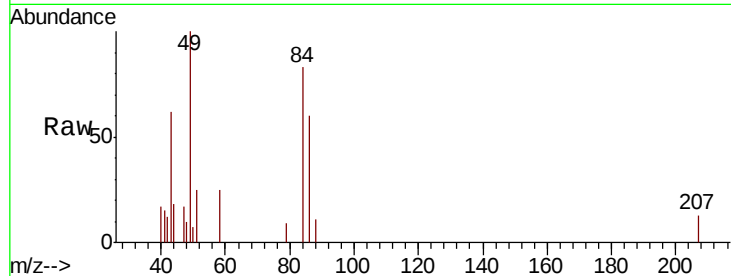
Tot Ion: 79 Resp: 61

Ion Ratio Lower Upper

79 100

52 0.0 57.7 86.5#

51 298.8 28.8 43.2#



#4

n-Nitrosodimethylamine

Concen: 0.081 ng

RT: 3.74 min Scan# 110

Delta R.T. -0.00 min

Lab File: BG042417.D

Acq: 23 Aug 2019 1:24

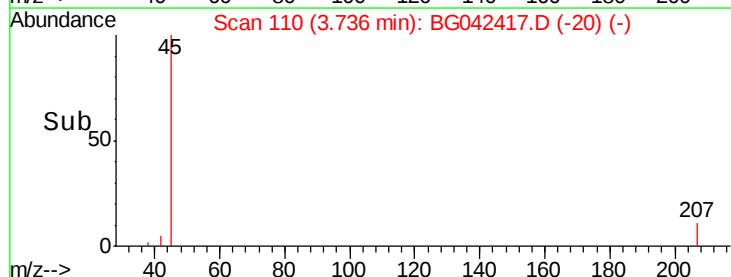
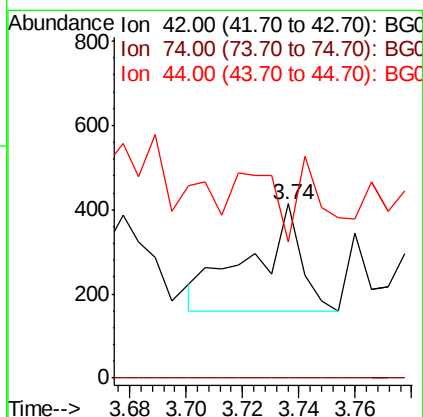
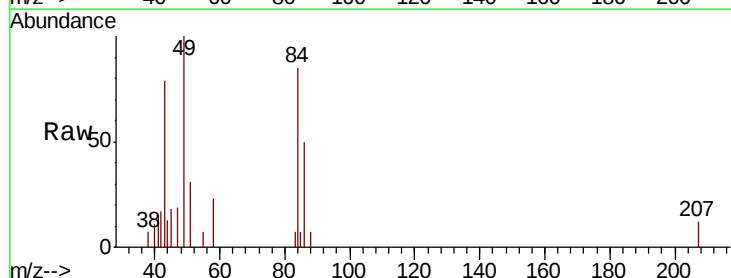
Tgt Ion: 42 Resp: 321

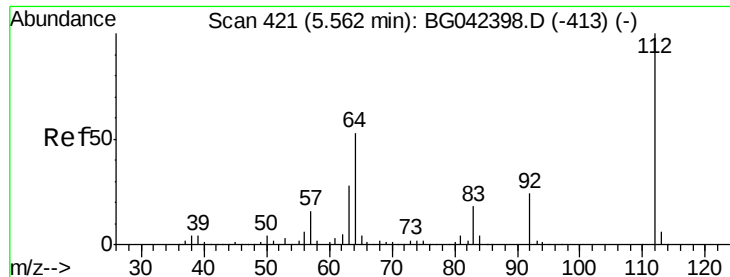
Ion Ratio Lower Upper

42 100

74 0.0 119.6 179.4#

44 78.5 6.5 9.7#





#5

2-Fluorophenol

Concen: 52.533 ng

RT: 5.56 min Scan# 420

Delta R.T. -0.00 min

Lab File: BG042417.D

Acq: 23 Aug 2019 1:24

Instrument :

BNA\_G

ClientSampleId :

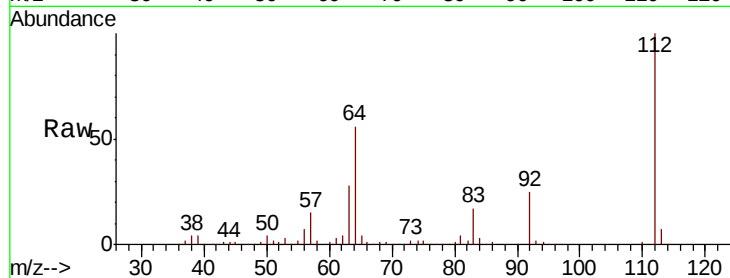
Tot Ion:112 Resp: 544799

Ion Ratio Lower Upper

112 100

64 55.7 42.8 64.2

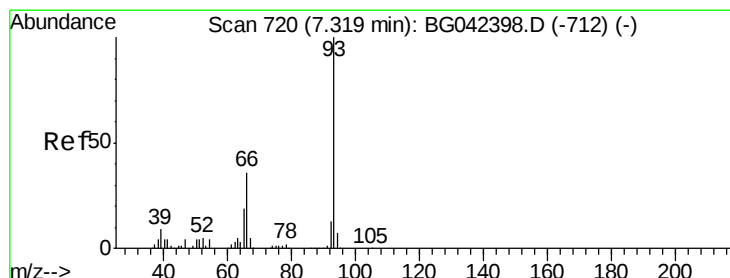
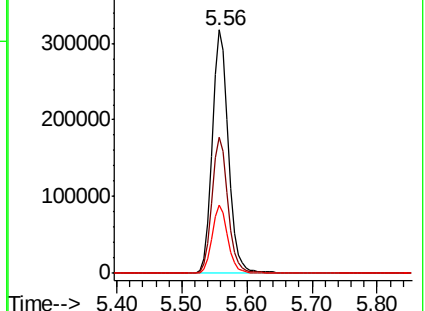
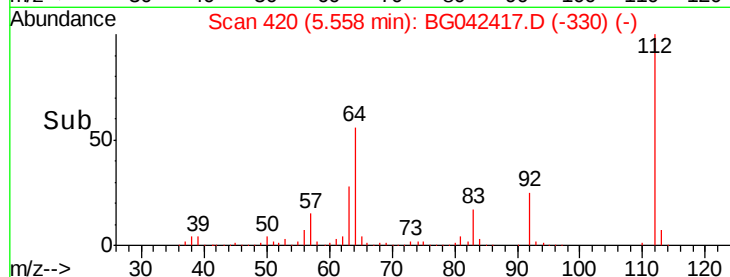
63 27.9 22.7 34.1



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 0.003 ng

RT: 7.19 min Scan# 697

Delta R.T. -0.13 min

Lab File: BG042417.D

Acq: 23 Aug 2019 1:24

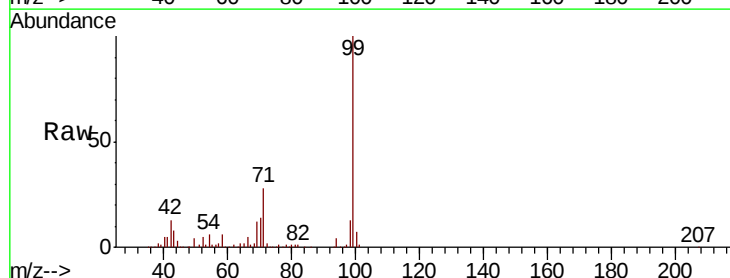
Tgt Ion: 93 Resp: 59

Ion Ratio Lower Upper

93 100

66 3410.8 29.0 43.6#

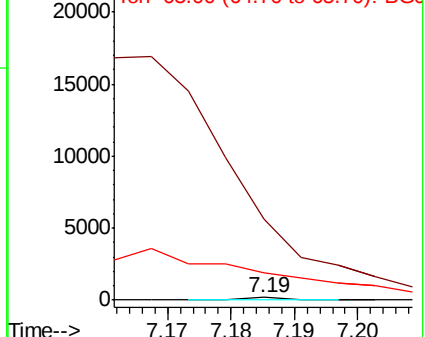
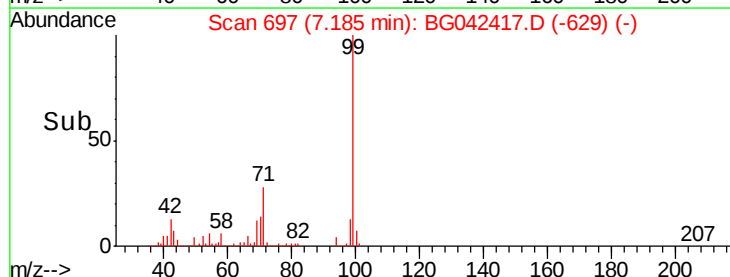
65 1134.9 15.2 22.8#

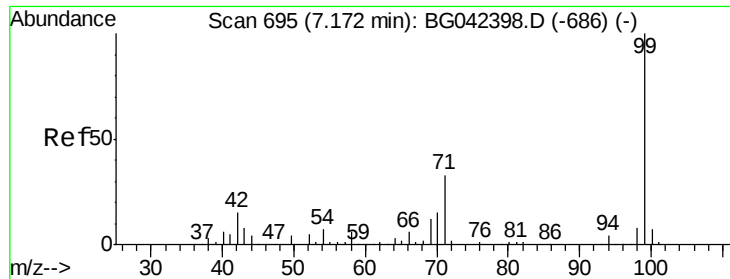


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 54.814 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.00 min

Lab File: BG042417.D

Acq: 23 Aug 2019 1:24

Instrument :

BNA\_G

ClientSampled :

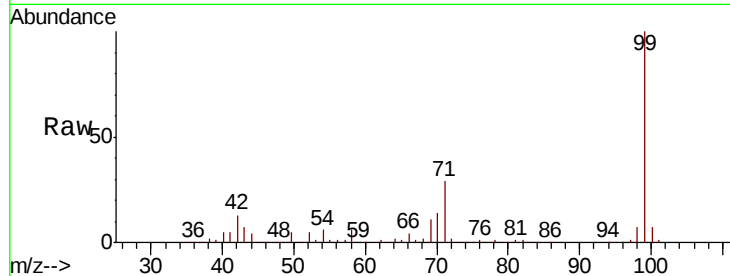
Tot Ion: 99 Resp: 767845

Ion Ratio Lower Upper

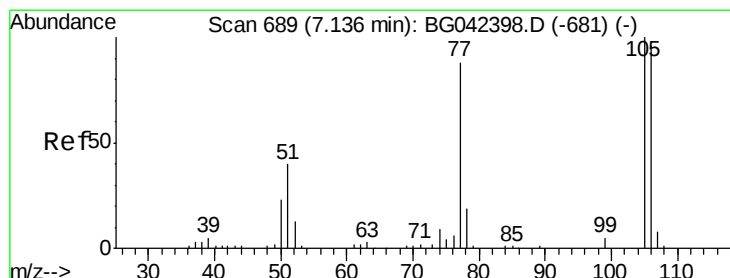
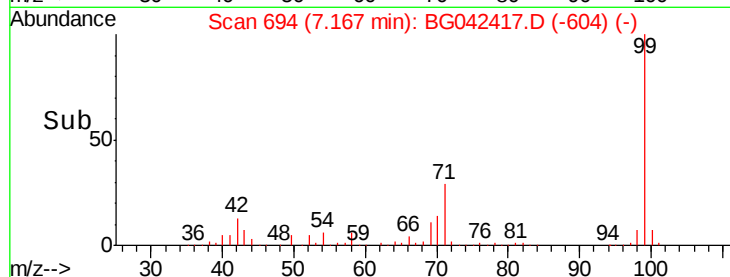
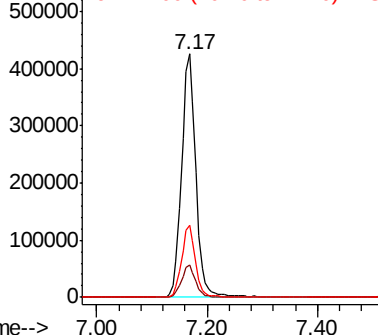
99 100

42 13.1 12.0 18.0

71 29.5 26.3 39.5



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



#9

Benzaldehyde

Concen: 0.174 ng

RT: 7.17 min Scan# 694

Delta R.T. 0.03 min

Lab File: BG042417.D

Acq: 23 Aug 2019 1:24

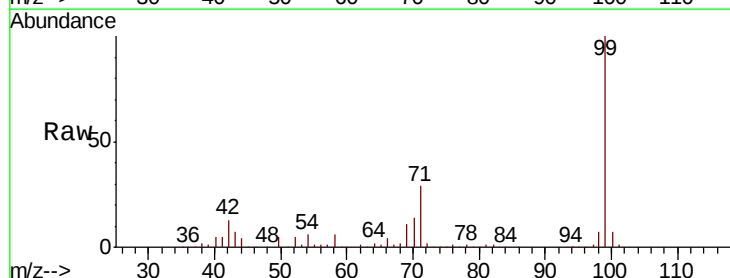
Tgt Ion: 77 Resp: 1221

Ion Ratio Lower Upper

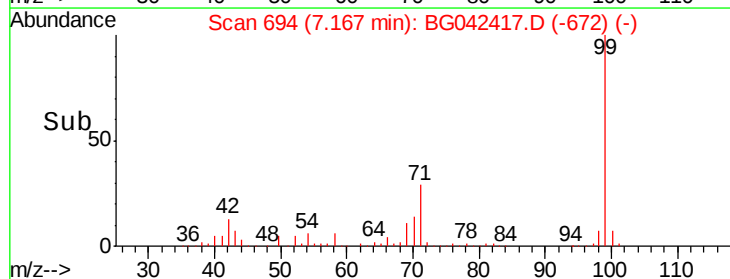
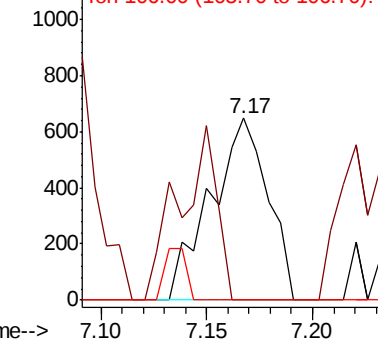
77 100

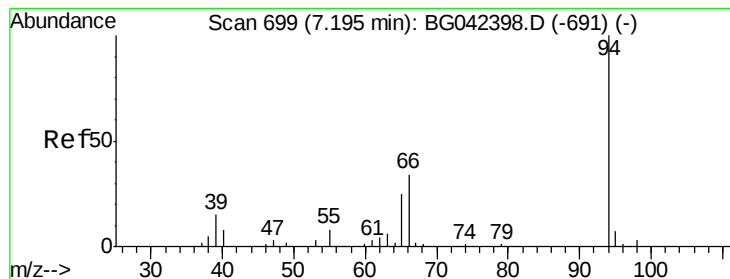
105 0.0 93.4 133.4#

106 0.0 88.4 128.4#



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: 0.629 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.00 min

Lab File: BG042417.D

Acq: 23 Aug 2019 1:24

Instrument :

BNA\_G

ClientSampleId :

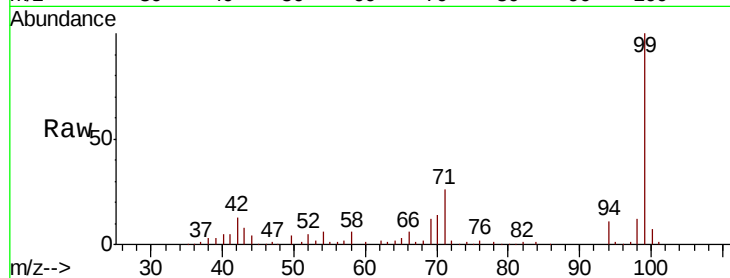
Tot Ion: 94 Resp: 8956

Ion Ratio Lower Upper

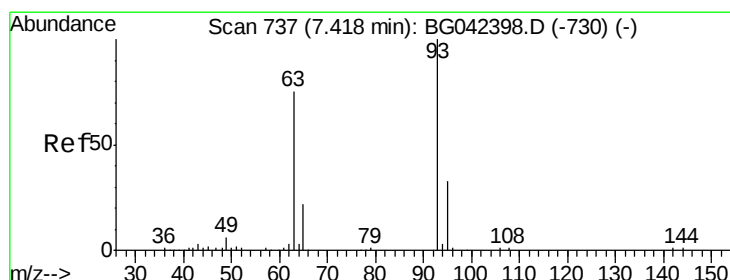
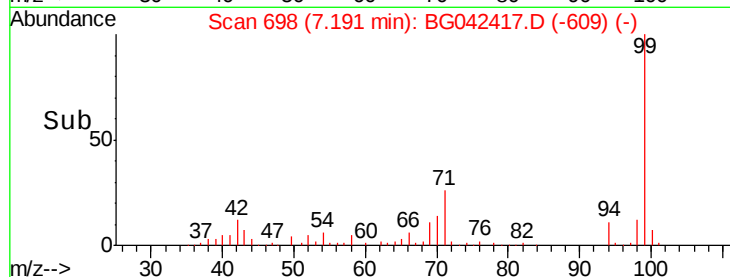
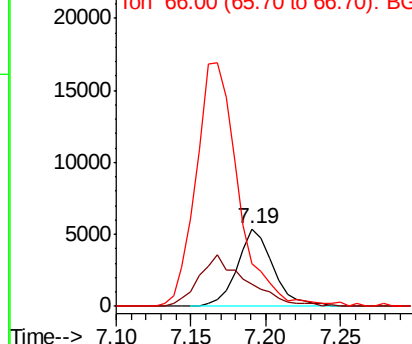
94 100

65 28.7 5.6 45.6

66 54.6 16.0 56.0



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: 0.081 ng

RT: 7.53 min Scan# 756

Delta R.T. 0.11 min

Lab File: BG042417.D

Acq: 23 Aug 2019 1:24

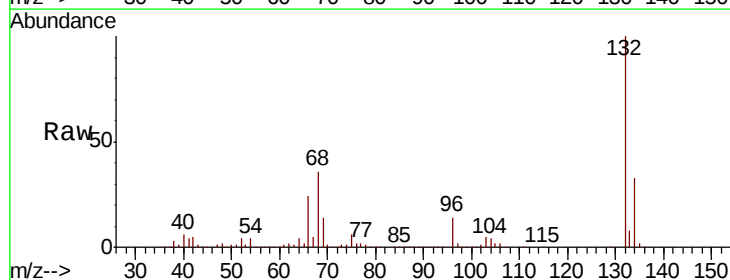
Tgt Ion: 93 Resp: 902

Ion Ratio Lower Upper

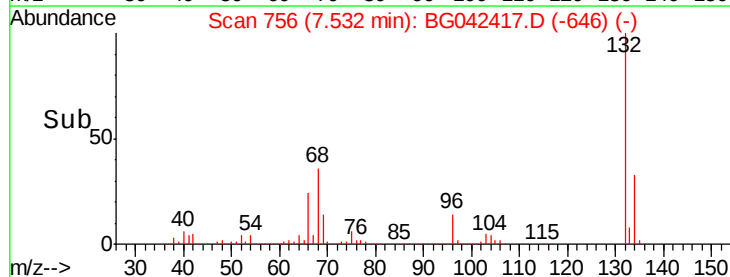
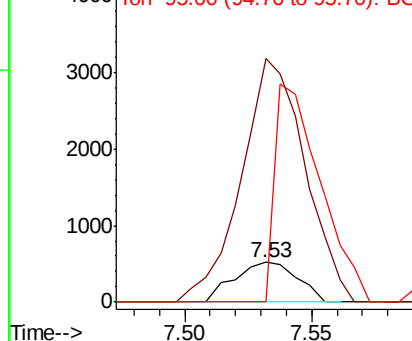
93 100

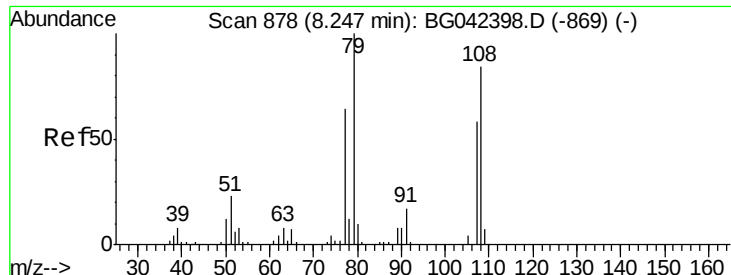
63 614.3 53.8 93.8#

95 0.0 13.1 53.1#



Abundance Ion 93.00 (92.70 to 93.70): BGC  
Ion 63.00 (62.70 to 63.70): BGC  
Ion 95.00 (94.70 to 95.70): BGC





#15

Benzyl Alcohol

Concen: 0.642 ng

RT: 8.32 min Scan# 891

Delta R.T. 0.08 min

Lab File: BG042417.D

Acq: 23 Aug 2019 1:24

Instrument :

BNA\_G

ClientSampled :

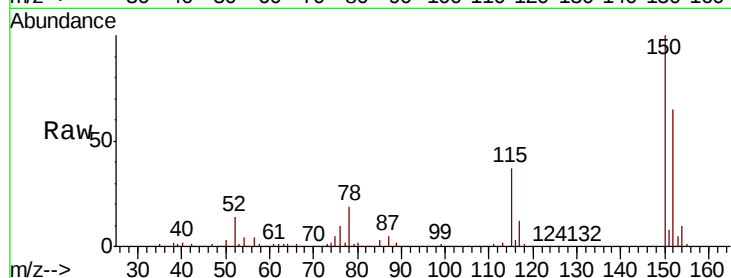
Tot Ion: 79 Resp: 6474

Ion Ratio Lower Upper

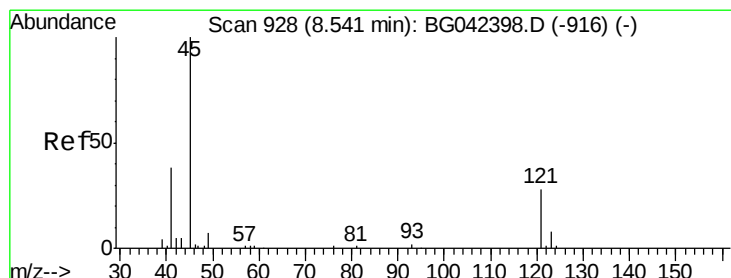
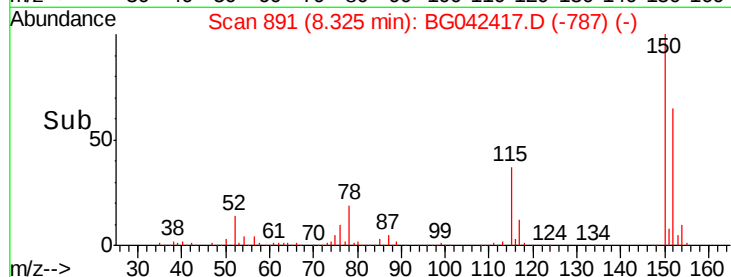
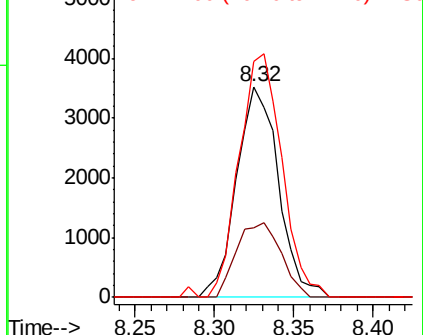
79 100

108 32.8 67.4 101.2#

77 112.1 50.8 76.2#



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



#16

2,2'-oxybis(1-Chloropropane)

Concen: 0.004 ng

RT: 8.43 min Scan# 909

Delta R.T. -0.11 min

Lab File: BG042417.D

Acq: 23 Aug 2019 1:24

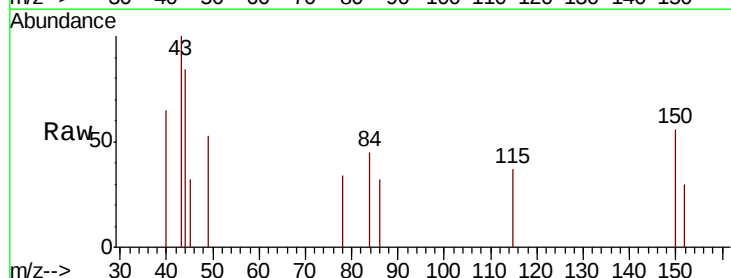
Tgt Ion: 45 Resp: 56

Ion Ratio Lower Upper

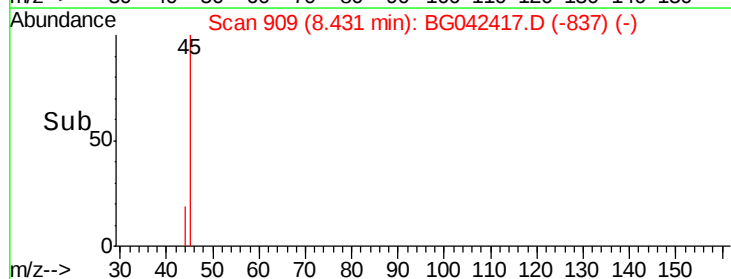
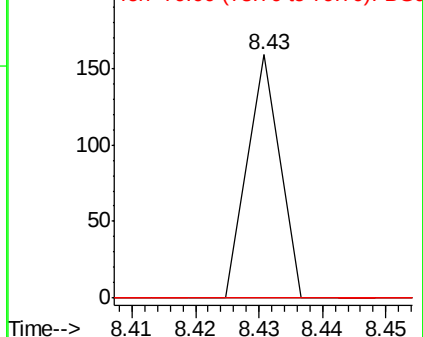
45 100

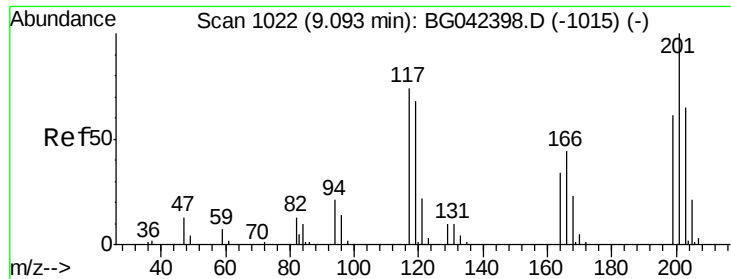
77 0.0 0.0 35.6

79 0.0 0.0 31.6



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

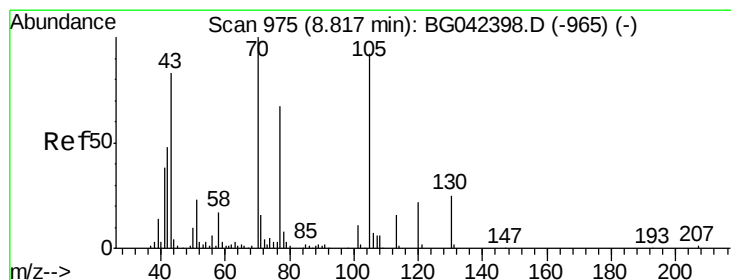
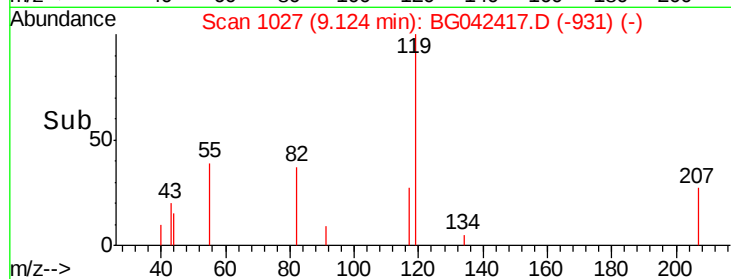
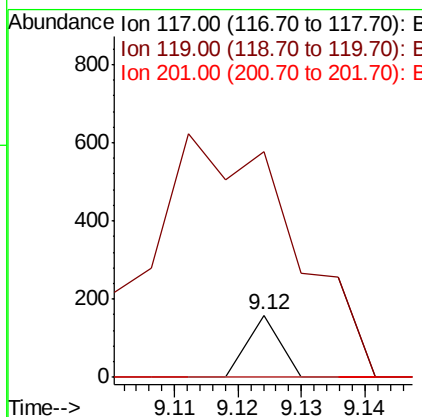
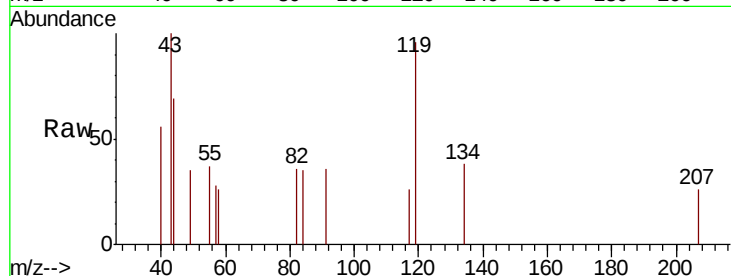




#18  
 Hexachloroethane  
 Concen: 0.010 ng  
 RT: 9.12 min Scan# 1027  
 Delta R.T. 0.03 min  
 Lab File: BG042417.D  
 Acq: 23 Aug 2019 1:24

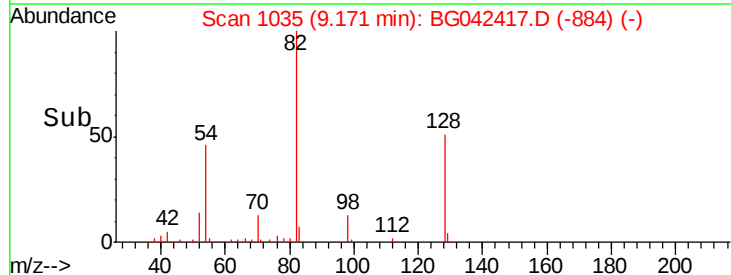
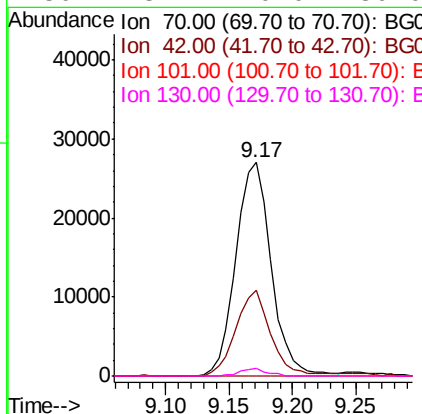
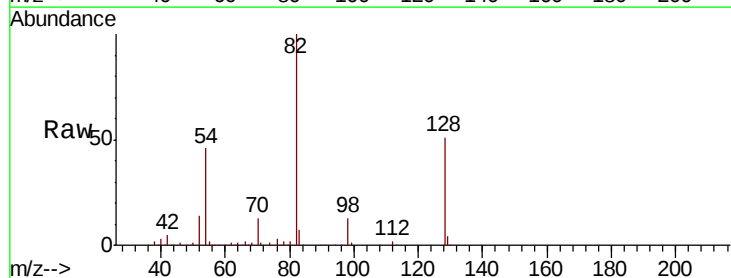
Instrument :  
 BNA\_G  
 ClientSampleId :

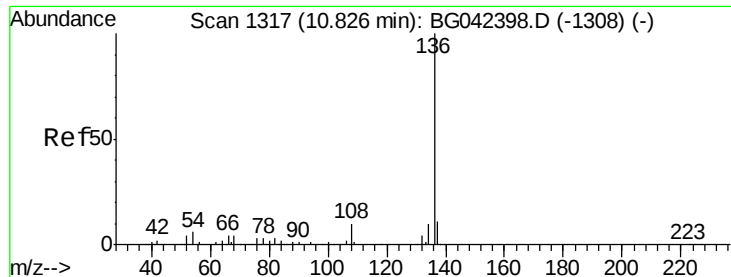
Tot Ion:117 Resp: 56  
 Ion Ratio Lower Upper  
 117 100  
 119 365.2 73.8 110.8#  
 201 0.0 108.3 162.5#



#19  
 n-Nitroso-di-n-propylamine  
 Concen: 5.768 ng  
 RT: 9.17 min Scan# 1035  
 Delta R.T. 0.35 min  
 Lab File: BG042417.D  
 Acq: 23 Aug 2019 1:24

Tgt Ion: 70 Resp: 52347  
 Ion Ratio Lower Upper  
 70 100  
 42 39.9 38.8 58.2  
 101 0.0 9.0 13.6#  
 130 3.4 20.0 30.0#

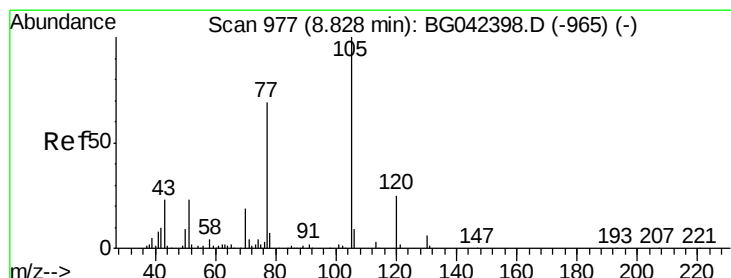
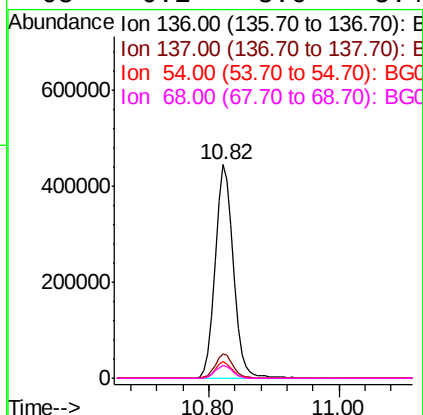
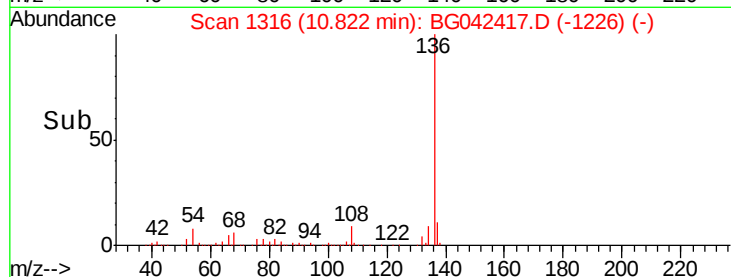
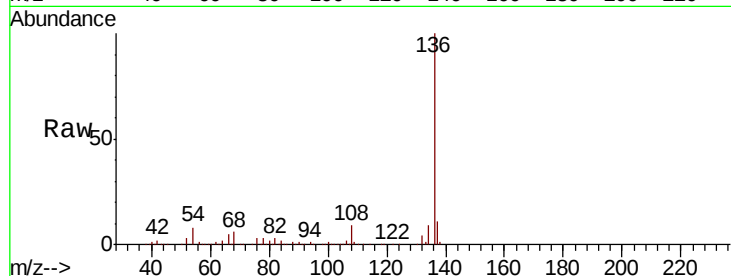




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.82 min Scan# 1316  
Delta R.T. -0.00 min  
Lab File: BG042417.D  
Acq: 23 Aug 2019 1:24

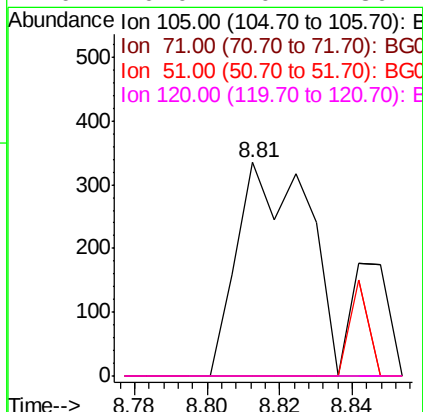
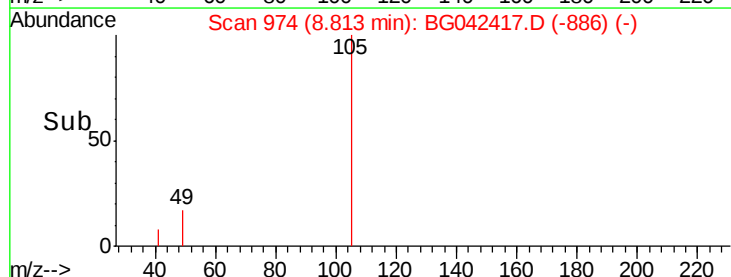
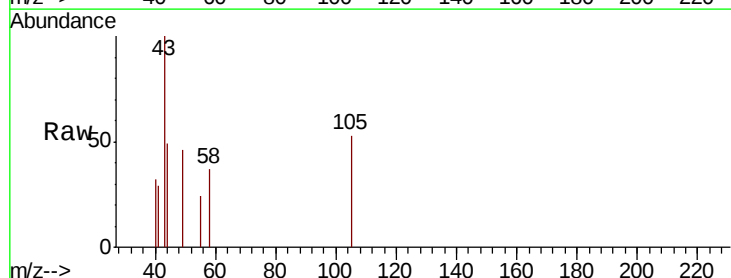
Instrument :  
BNA\_G  
ClientSampleId :

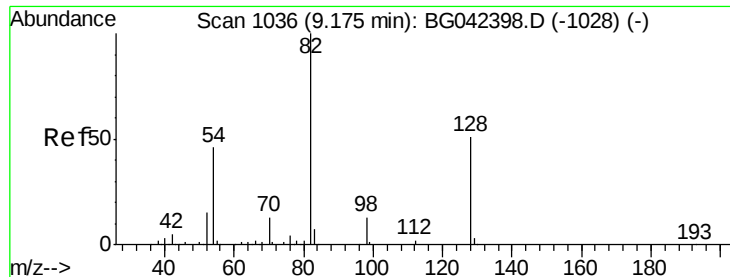
|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 857266   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 11.4  | 8.7 13.1 |
| 54          | 7.5   | 4.9 7.3# |
| 68          | 6.1   | 3.6 5.4# |



#22  
Acetophenone  
Concen: 0.025 ng  
RT: 8.81 min Scan# 974  
Delta R.T. -0.02 min  
Lab File: BG042417.D  
Acq: 23 Aug 2019 1:24

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:105 | Resp: | 457        |
| Ion Ratio   | Lower | Upper      |
| 105         | 100   |            |
| 71          | 0.0   | 2.8 4.2#   |
| 51          | 0.0   | 18.7 28.1# |
| 120         | 0.0   | 20.1 30.1# |

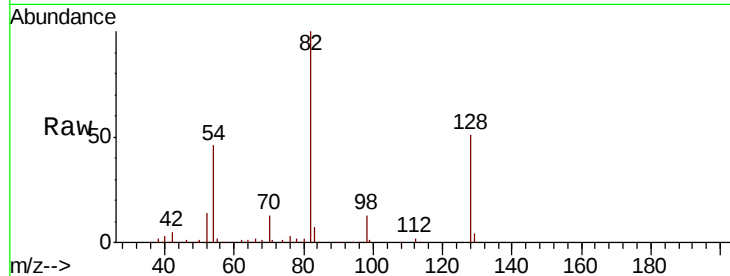




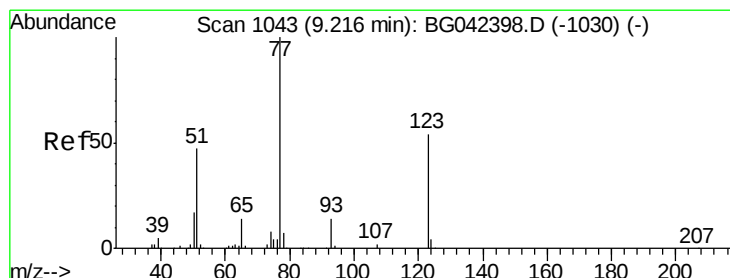
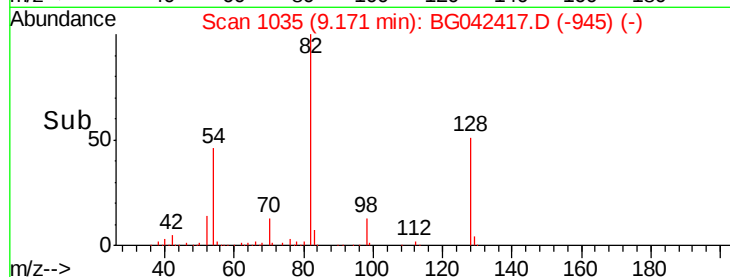
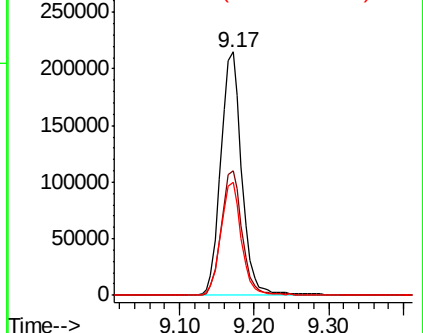
#23  
 Nitrobenzene-d5  
 Concen: 34.071 ng  
 RT: 9.17 min Scan# 1035  
 Delta R.T. -0.00 min  
 Lab File: BG042417.D  
 Acq: 23 Aug 2019 1:24

Instrument :  
 BNA\_G  
 ClientSampled :

| Tot Ion   | 82    | Resp  | 422664 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 51.1  | 40.7  | 61.1   |
| 54        | 46.2  | 36.3  | 54.5   |

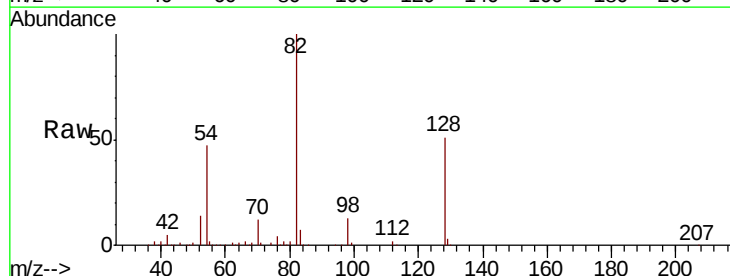


Abundance Ion 82.00 (81.70 to 82.70): BGC  
 Ion 128.00 (127.70 to 128.70): BGC  
 Ion 54.00 (53.70 to 54.70): BGC

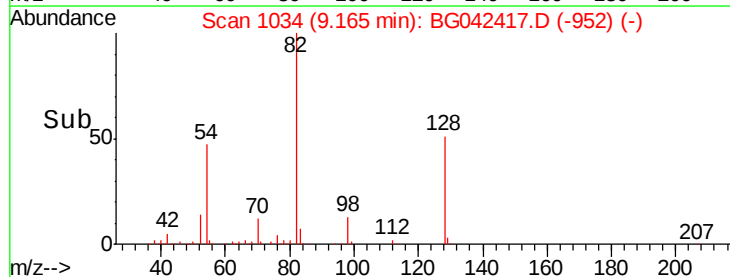
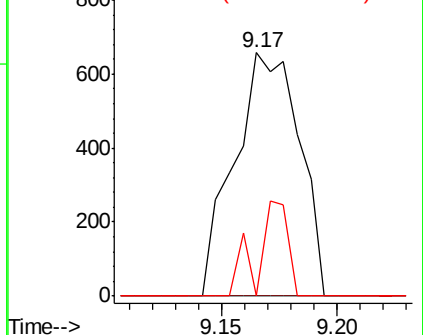


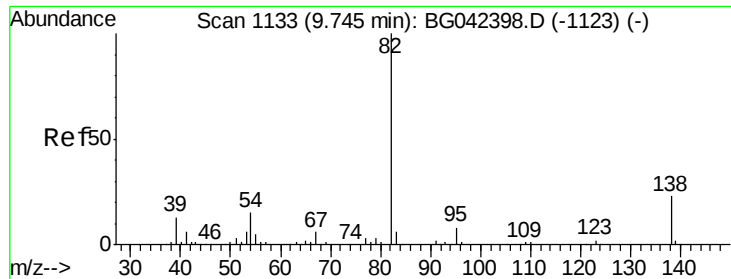
#24  
 Nitrobenzene  
 Concen: 0.102 ng  
 RT: 9.17 min Scan# 1034  
 Delta R.T. -0.05 min  
 Lab File: BG042417.D  
 Acq: 23 Aug 2019 1:24

| Tgt Ion   | 77    | Resp  | 1287  |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 77        | 100   |       |       |
| 123       | 0.0   | 43.4  | 65.0# |
| 65        | 0.0   | 11.0  | 16.6# |



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





#25

Isophorone

Concen: 0.017 ng

RT: 9.74 min Scan# 1131

Delta R.T. -0.01 min

Lab File: BG042417.D

Acq: 23 Aug 2019 1:24

Instrument :

BNA\_G

ClientSampleId :

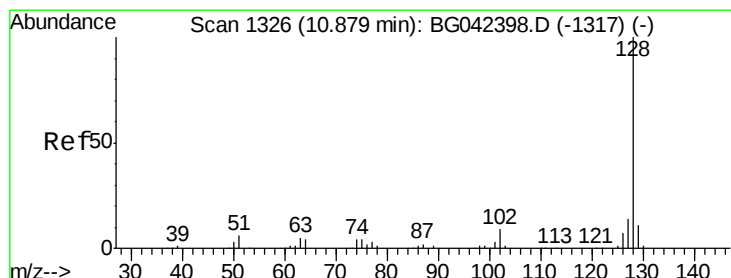
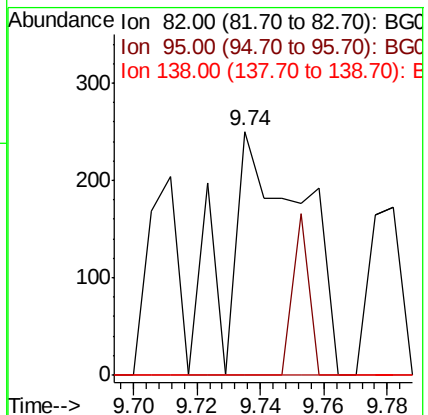
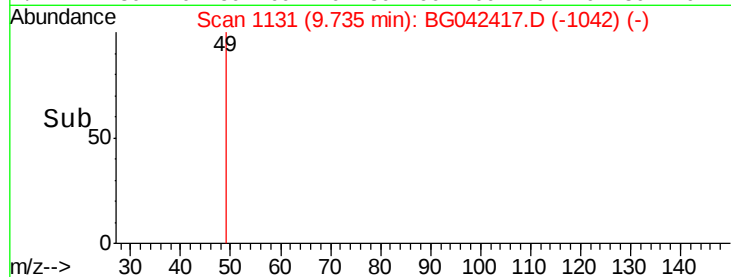
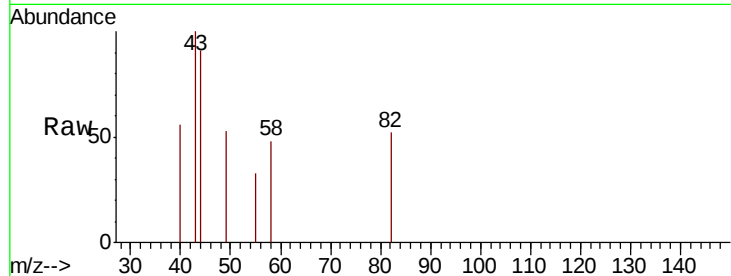
Tot Ion: 82 Resp: 415

Ion Ratio Lower Upper

82 100

95 0.0 6.6 9.8#

138 0.0 18.6 27.8#



#31

Naphthalene

Concen: 0.229 ng

RT: 10.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BG042417.D

Acq: 23 Aug 2019 1:24

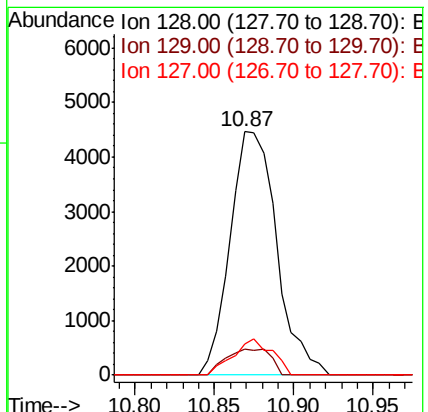
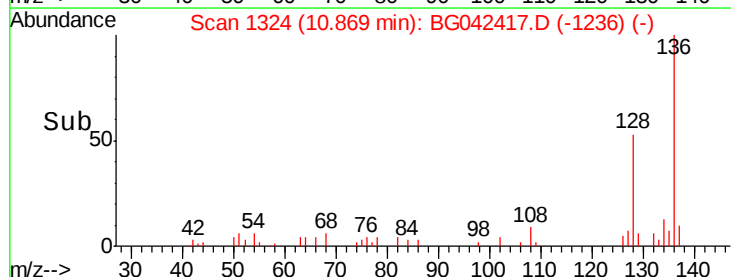
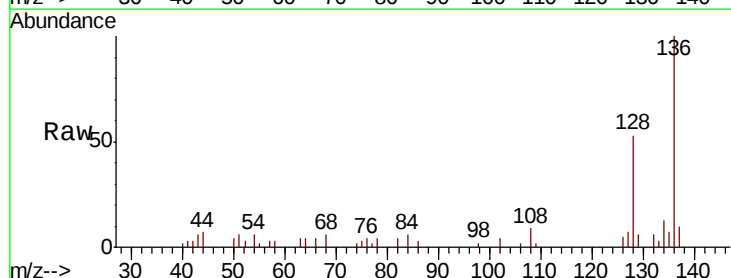
Tgt Ion: 128 Resp: 9109

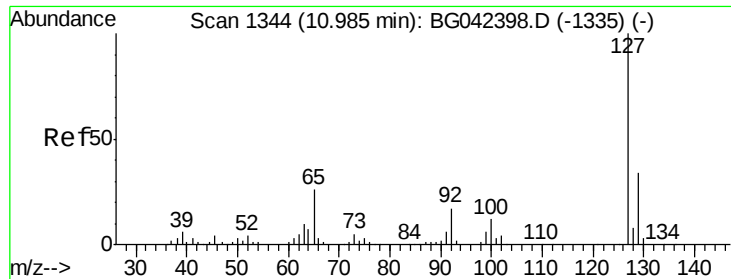
Ion Ratio Lower Upper

128 100

129 10.6 8.8 13.2

127 12.6 11.4 17.0

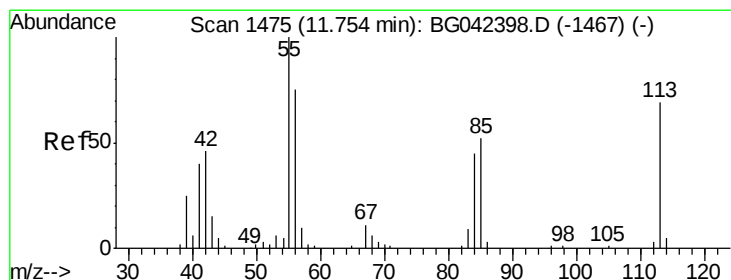
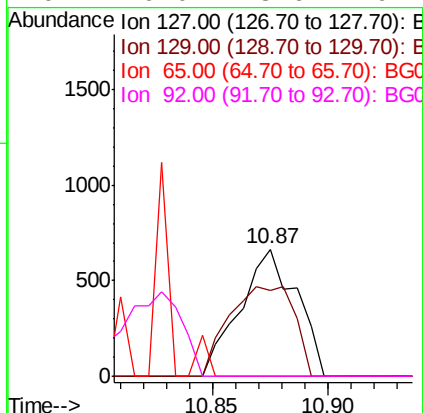
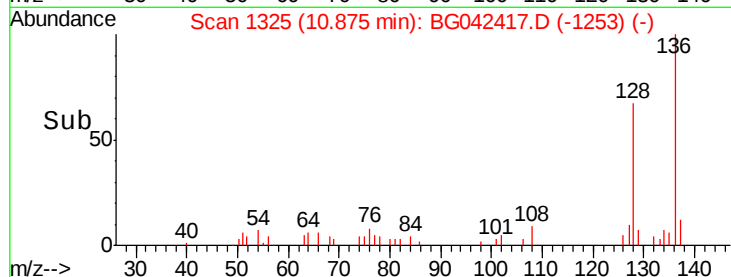
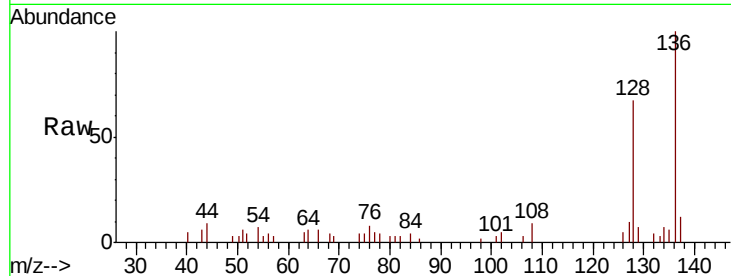




#33  
4-Chloroaniline  
Concen: 0.061 ng  
RT: 10.87 min Scan# 1325  
Delta R.T. -0.11 min  
Lab File: BG042417.D  
Acq: 23 Aug 2019 1:24

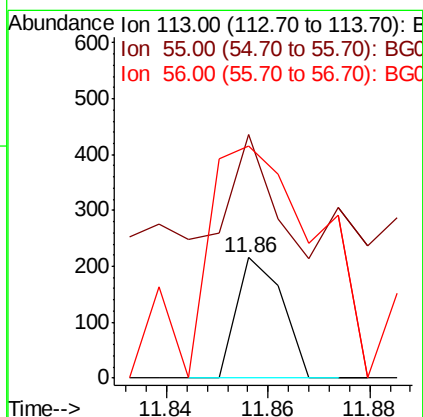
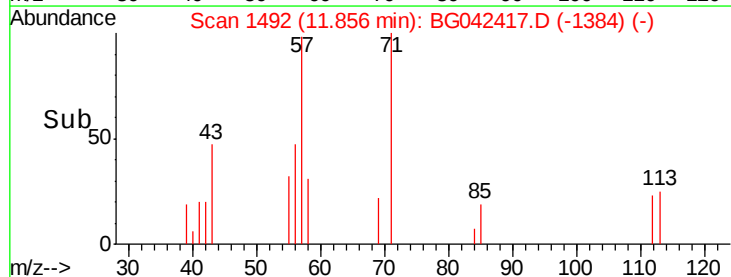
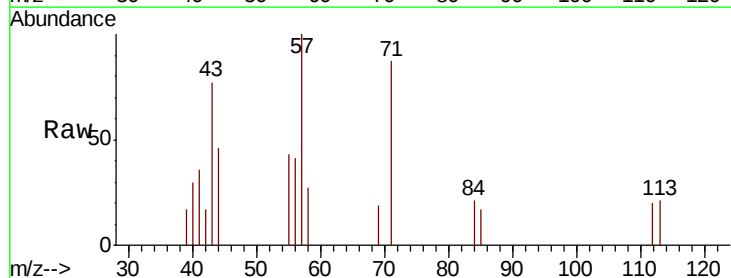
Instrument :  
BNA\_G  
ClientSampleId :

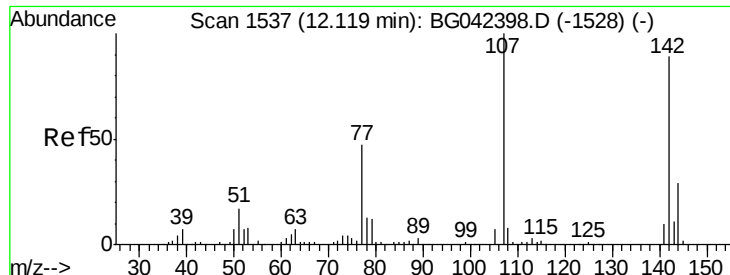
|             |       |            |
|-------------|-------|------------|
| Tot Ion:127 | Resp: | 1129       |
| Ion Ratio   | Lower | Upper      |
| 127         | 100   |            |
| 129         | 67.2  | 26.8 40.2# |
| 65          | 0.0   | 20.7 31.1# |
| 92          | 0.0   | 13.6 20.4# |



#35  
Caprolactam  
Concen: 0.028 ng  
RT: 11.86 min Scan# 1492  
Delta R.T. 0.10 min  
Lab File: BG042417.D  
Acq: 23 Aug 2019 1:24

|             |       |              |
|-------------|-------|--------------|
| Tgt Ion:113 | Resp: | 134          |
| Ion Ratio   | Lower | Upper        |
| 113         | 100   |              |
| 55          | 202.8 | 124.6 164.6# |
| 56          | 193.5 | 88.3 128.3#  |

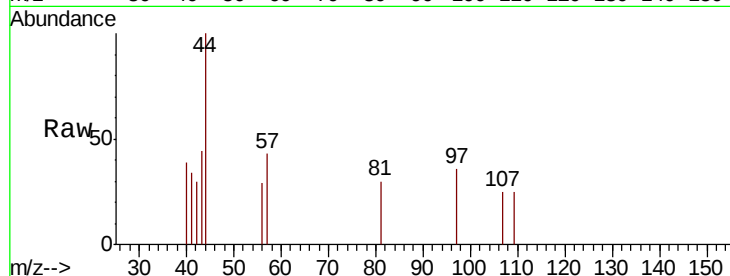




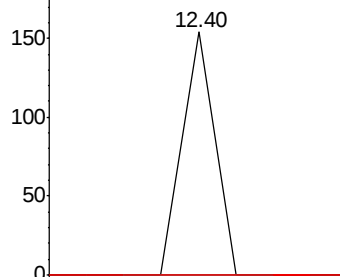
#36  
 4-Chloro-3-methylphenol  
 Concen: 0.004 ng  
 RT: 12.40 min Scan# 1585  
 Delta R.T. 0.28 min  
 Lab File: BG042417.D  
 Acq: 23 Aug 2019 1:24

Instrument :  
 BNA\_G  
 ClientSampleId :

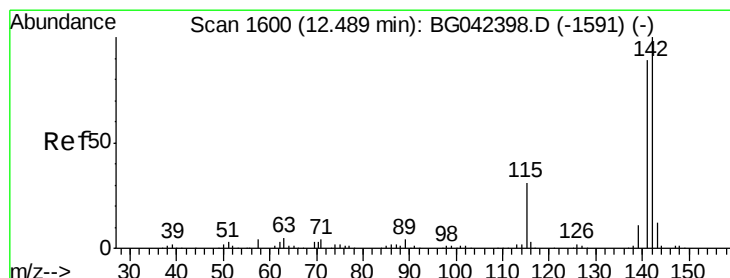
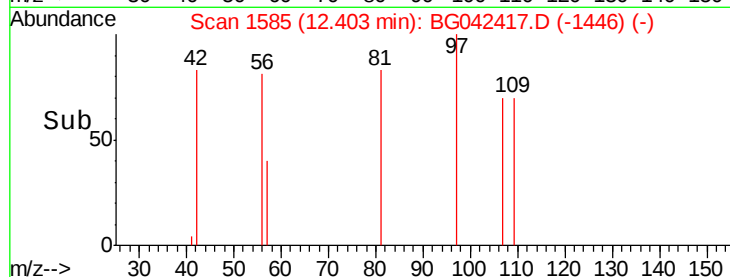
Tot Ion:107 Resp: 54  
 Ion Ratio Lower Upper  
 107 100  
 144 0.0 23.6 35.4#  
 142 0.0 71.0 106.4#



Abundance Ion 107.00 (106.70 to 107.70): E  
 Ion 144.00 (143.70 to 144.70): E  
 Ion 142.00 (141.70 to 142.70): E

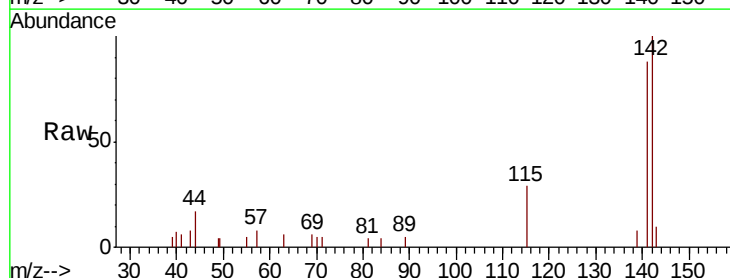


Time--> 12.38 12.40 12.42

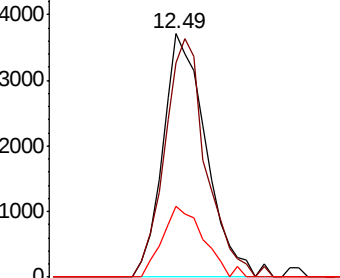


#37  
 2-Methylnaphthalene  
 Concen: 0.234 ng  
 RT: 12.49 min Scan# 1600  
 Delta R.T. 0.00 min  
 Lab File: BG042417.D  
 Acq: 23 Aug 2019 1:24

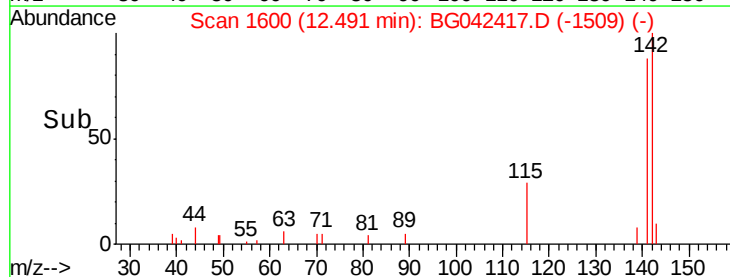
Tgt Ion:142 Resp: 7480  
 Ion Ratio Lower Upper  
 142 100  
 141 87.8 71.4 107.2  
 115 29.4 25.2 37.8

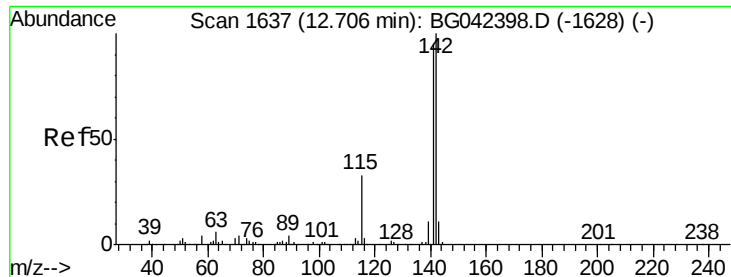


Abundance Ion 142.00 (141.70 to 142.70): E  
 Ion 141.00 (140.70 to 141.70): E  
 Ion 115.00 (114.70 to 115.70): E



Time--> 12.45 12.50 12.55

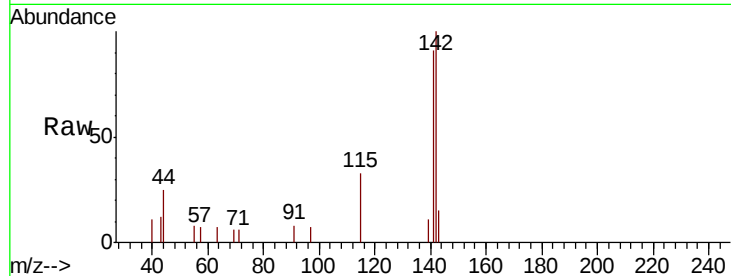




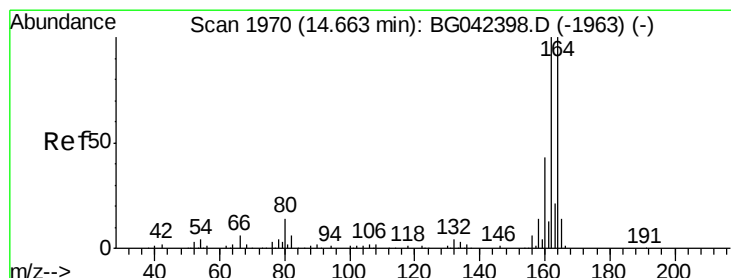
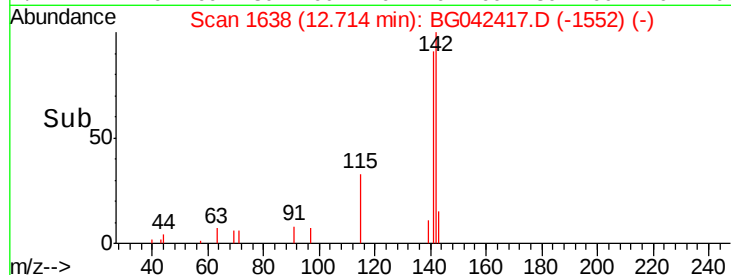
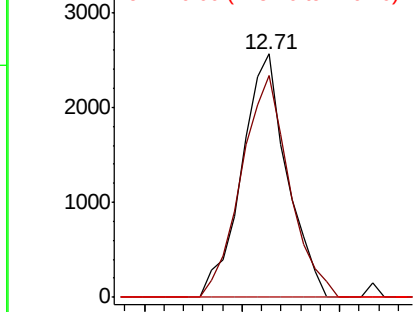
#38  
1-Methylnaphthalene  
Concen: 0.135 ng  
RT: 12.71 min Scan# 1638  
Delta R.T. 0.01 min  
Lab File: BG042417.D  
Acq: 23 Aug 2019 1:24

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:142 Resp: 4110  
Ion Ratio Lower Upper  
142 100  
141 90.9 76.2 114.2  
116 0.0 2.8 4.2#

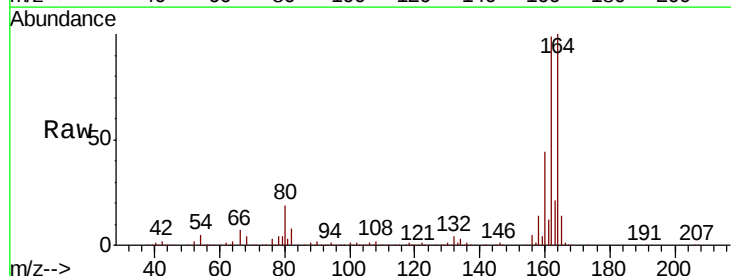


Abundance Ion 142.00 (141.70 to 142.70): E  
Ion 141.00 (140.70 to 141.70): E  
Ion 116.00 (115.70 to 116.70): E

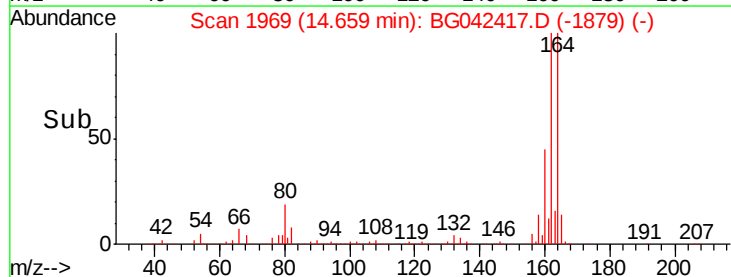
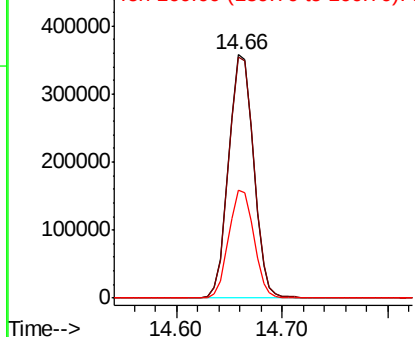


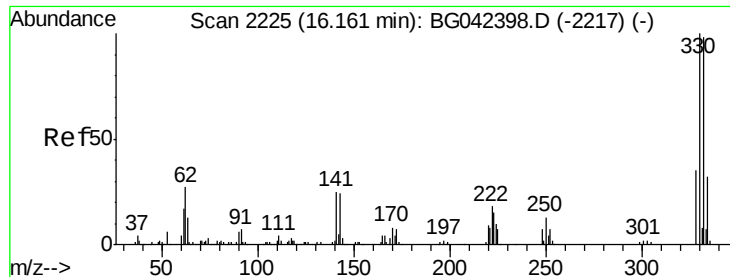
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.66 min Scan# 1969  
Delta R.T. -0.00 min  
Lab File: BG042417.D  
Acq: 23 Aug 2019 1:24

Tgt Ion:164 Resp: 583492  
Ion Ratio Lower Upper  
164 100  
162 99.0 79.9 119.9  
160 44.3 34.3 51.5



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

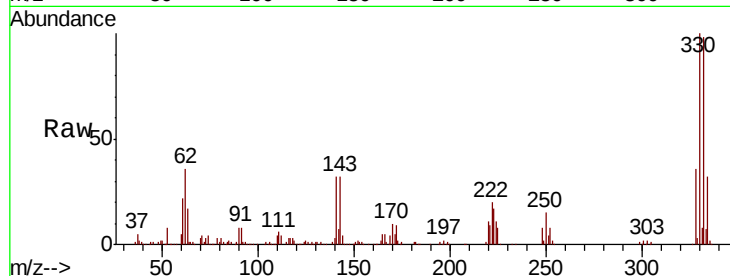




#42  
 2,4,6-Tribromophenol  
 Concen: 39.610 ng  
 RT: 16.15 min Scan# 2223  
 Delta R.T. -0.01 min  
 Lab File: BG042417.D  
 Acq: 23 Aug 2019 1:24

Instrument :  
 BNA\_G  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.3  | 77.4  | 116.0 |
| 141     | 30.9  | 21.4  | 32.0  |

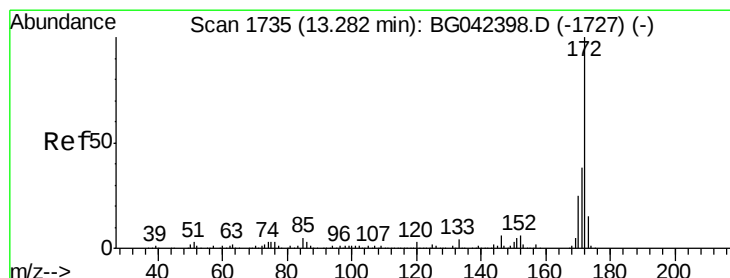
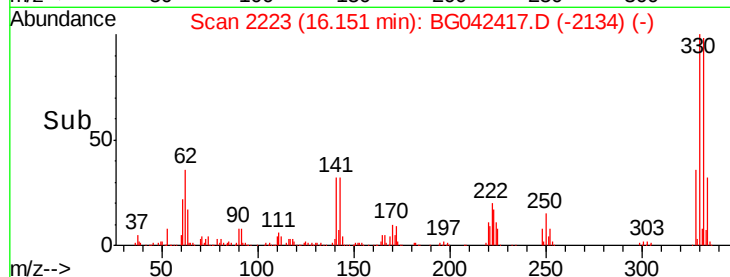
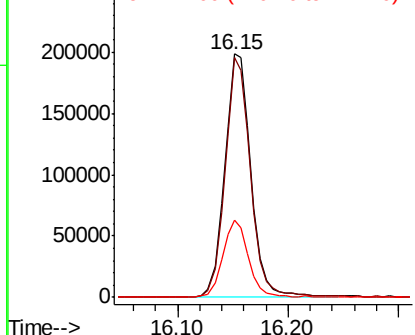


Abundance

Ion 329.80 (329.50 to 330.50): E

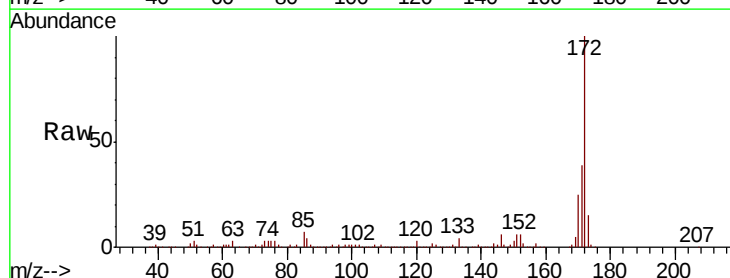
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45  
 2-Fluorobiphenyl  
 Concen: 34.044 ng  
 RT: 13.28 min Scan# 1734  
 Delta R.T. -0.00 min  
 Lab File: BG042417.D  
 Acq: 23 Aug 2019 1:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 38.9  | 30.5  | 45.7  |
| 170     | 25.3  | 20.2  | 30.2  |

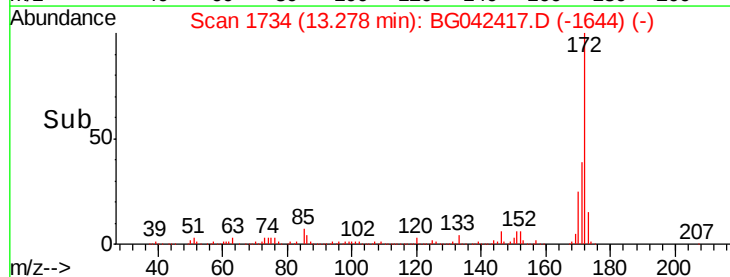
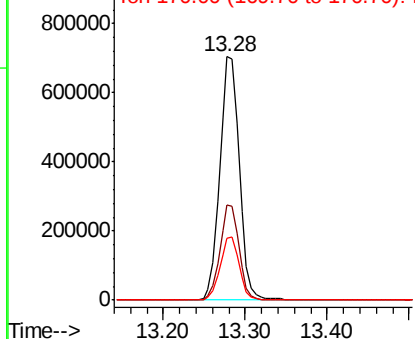


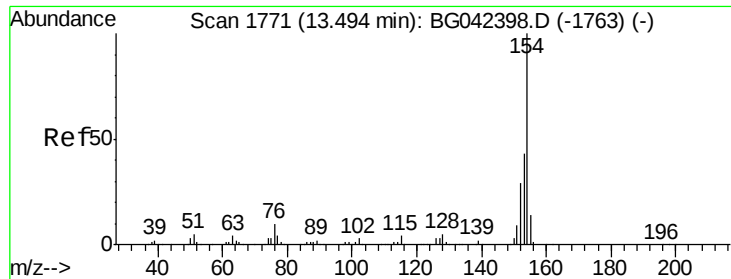
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

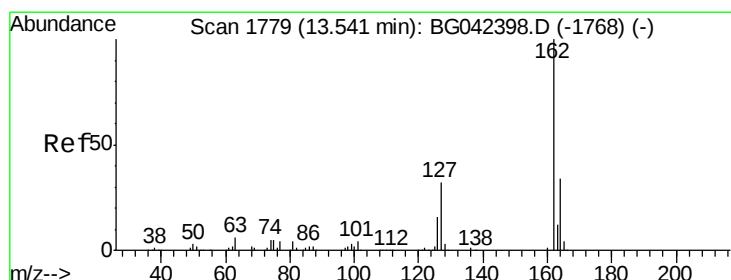
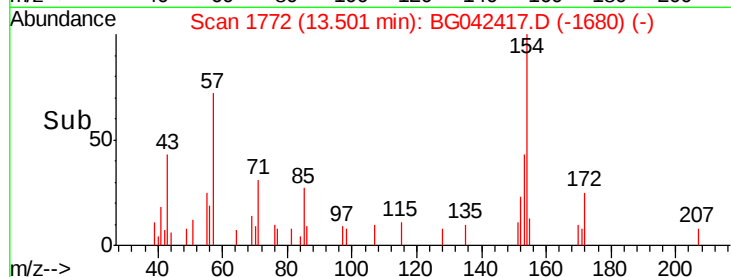
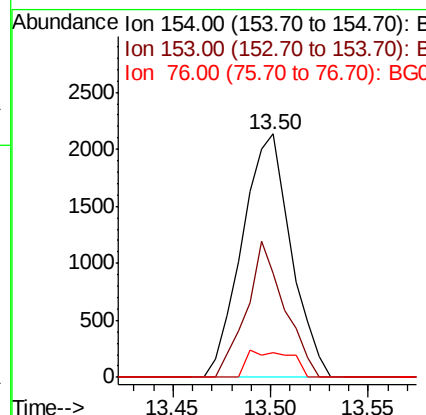
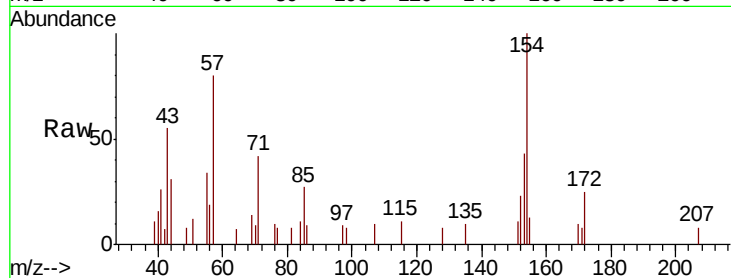




#46  
 1,1'-Biphenyl  
 Concen: 0.098 ng  
 RT: 13.50 min Scan# 1772  
 Delta R.T. 0.01 min  
 Lab File: BG042417.D  
 Acq: 23 Aug 2019 1:24

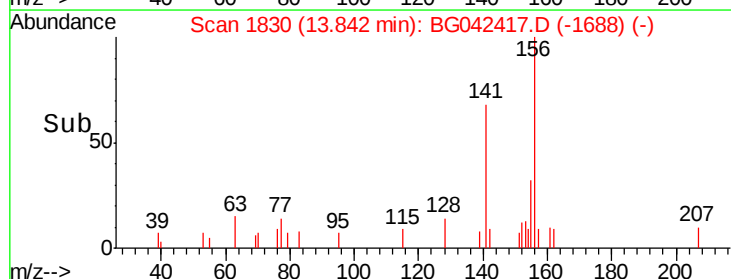
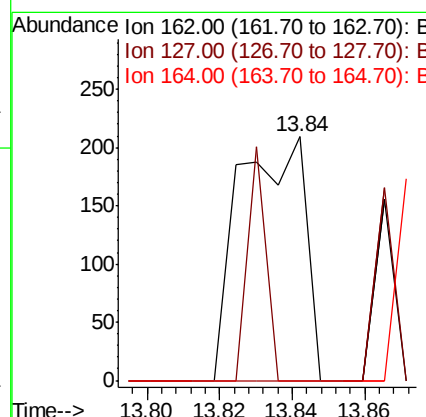
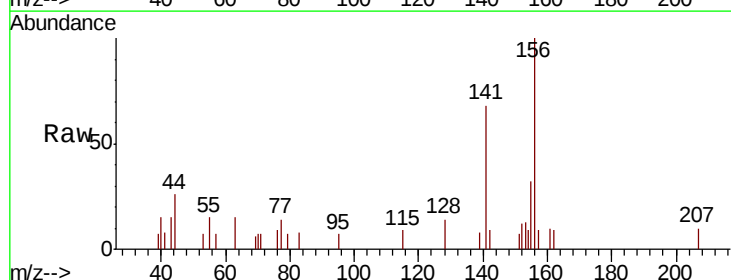
Instrument :  
 BNA\_G  
 ClientSampled :

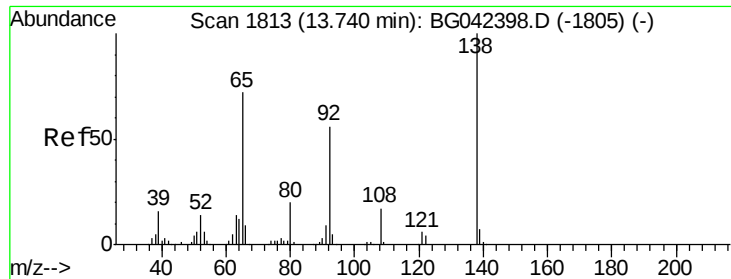
Tot Ion:154 Resp: 3694  
 Ion Ratio Lower Upper  
 154 100  
 153 42.5 23.0 63.0  
 76 10.4 0.0 29.6



#47  
 2-Chloronaphthalene  
 Concen: 0.008 ng  
 RT: 13.84 min Scan# 1830  
 Delta R.T. 0.30 min  
 Lab File: BG042417.D  
 Acq: 23 Aug 2019 1:24

Tgt Ion:162 Resp: 264  
 Ion Ratio Lower Upper  
 162 100  
 127 0.0 26.0 39.0#  
 164 0.0 27.4 41.0#





#48

2-Nitroaniline

Concen: 0.007 ng

RT: 13.83 min Scan# 1828

Delta R.T. 0.09 min

Lab File: BG042417.D

Acq: 23 Aug 2019 1:24

Instrument :

BNA\_G

ClientSampleId :

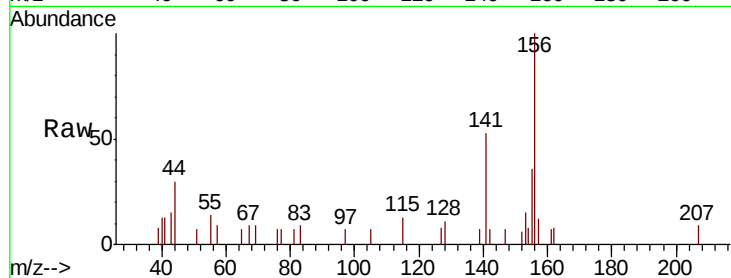
Tot Ion: 65 Resp: 57

Ion Ratio Lower Upper

65 100

92 0.0 61.8 92.6#

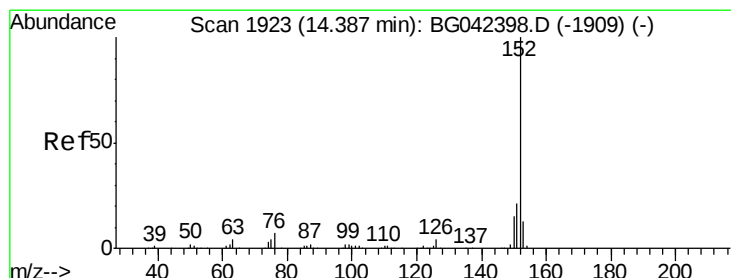
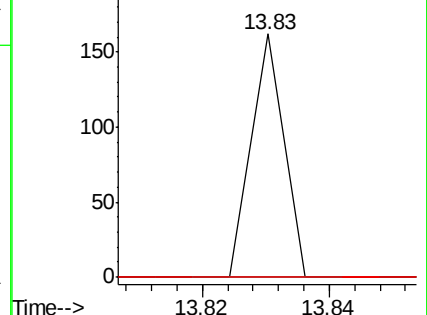
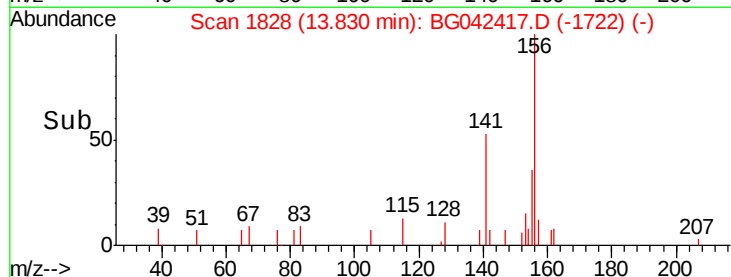
138 0.0 111.0 166.6#



Abundance Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC

Ion 138.00 (137.70 to 138.70): BGC



#49

Acenaphthylene

Concen: 0.105 ng

RT: 14.39 min Scan# 1923

Delta R.T. 0.00 min

Lab File: BG042417.D

Acq: 23 Aug 2019 1:24

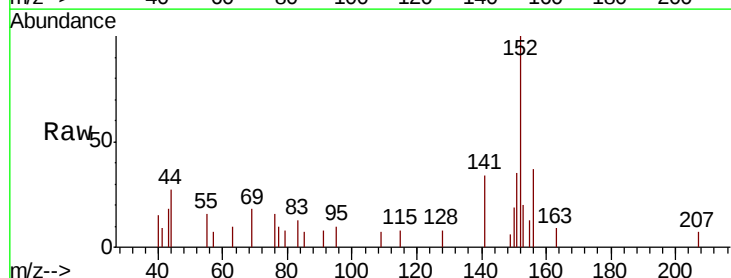
Tgt Ion:152 Resp: 5137

Ion Ratio Lower Upper

152 100

151 35.0 17.0 25.4#

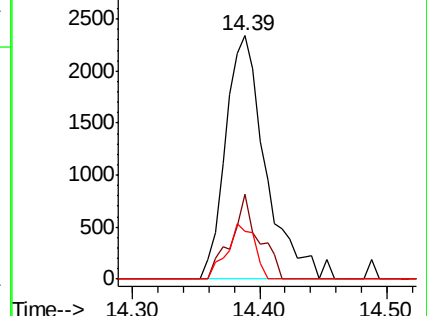
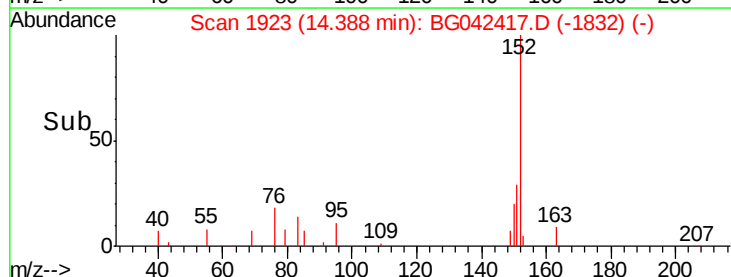
153 19.6 10.6 16.0#

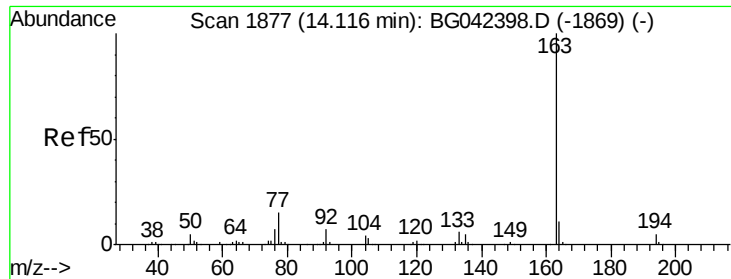


Abundance Ion 152.00 (151.70 to 152.70): BGC

Ion 151.00 (150.70 to 151.70): BGC

Ion 153.00 (152.70 to 153.70): BGC

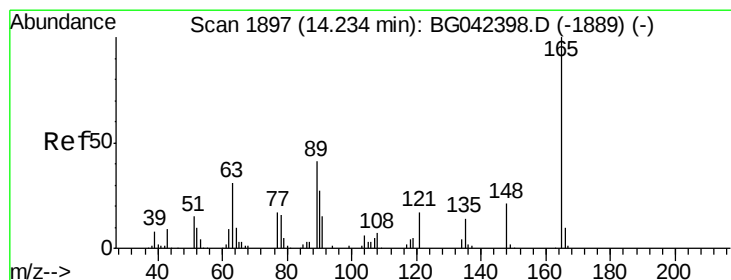
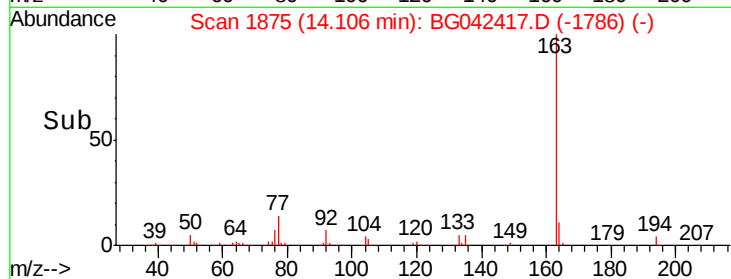
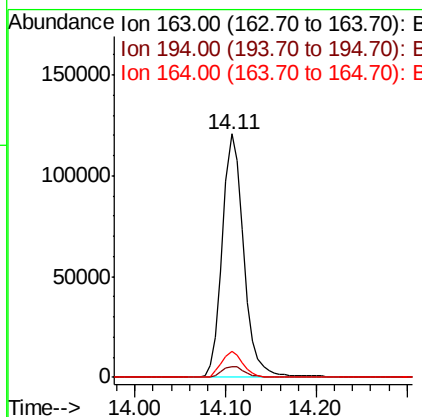
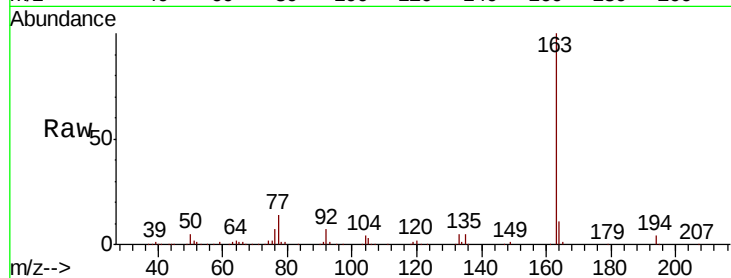




#50  
Dimethylphthalate  
Concen: 4.714 ng  
RT: 14.11 min Scan# 1875  
Delta R.T. -0.01 min  
Lab File: BG042417.D  
Acq: 23 Aug 2019 1:24

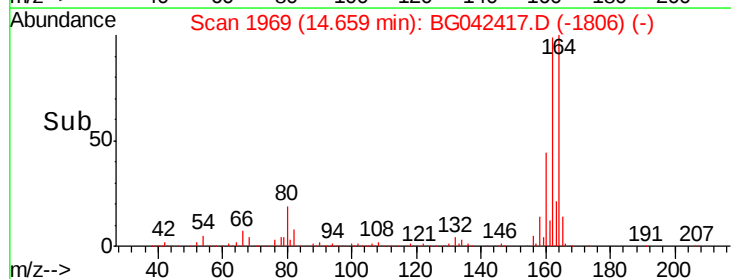
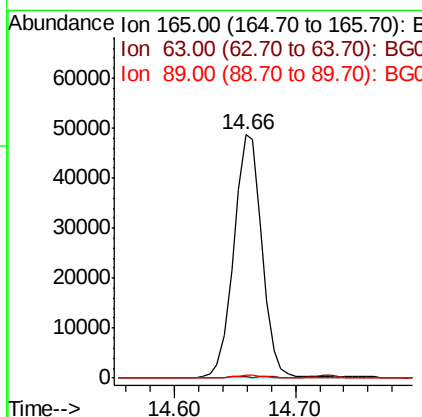
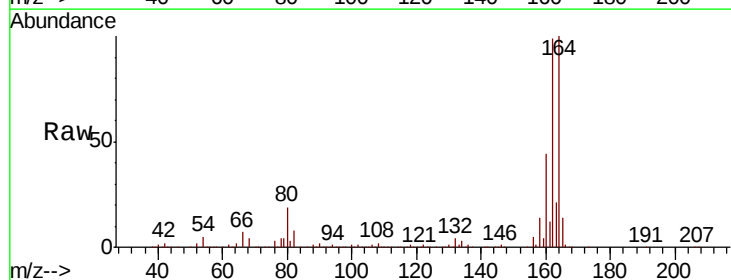
Instrument :  
BNA\_G  
ClientSampleId :

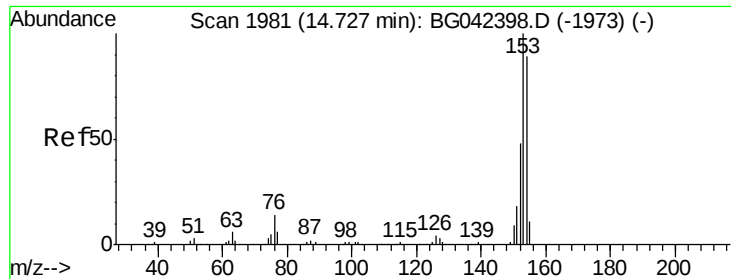
| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 163     | 100  |       |       |       |
| 194     | 4.5  | 4.2   | 6.2   |       |
| 164     | 10.7 | 8.8   | 13.2  |       |



#51  
2,6-Dinitrotoluene  
Concen: 8.108 ng  
RT: 14.66 min Scan# 1969  
Delta R.T. 0.42 min  
Lab File: BG042417.D  
Acq: 23 Aug 2019 1:24

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 165     | 100 |       |       |       |
| 63      | 0.8 | 30.6  | 45.8# |       |
| 89      | 1.1 | 32.6  | 49.0# |       |





#52

Acenaphthene

Concen: 0.317 ng

RT: 14.72 min Scan# 1980

Delta R.T. -0.00 min

Lab File: BG042417.D

Acq: 23 Aug 2019 1:24

Instrument :

BNA\_G

ClientSampled :

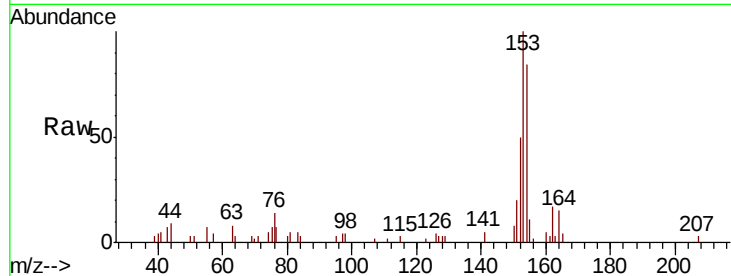
Tot Ion:154 Resp: 9418

Ion Ratio Lower Upper

154 100

153 119.1 90.2 135.4

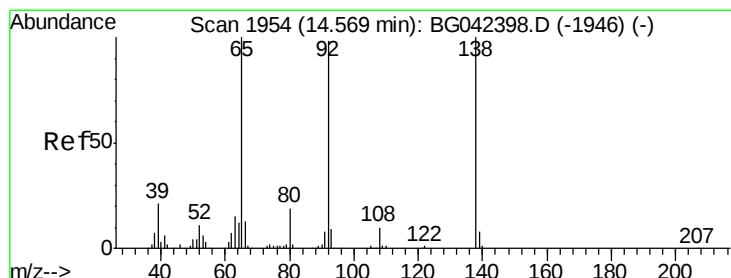
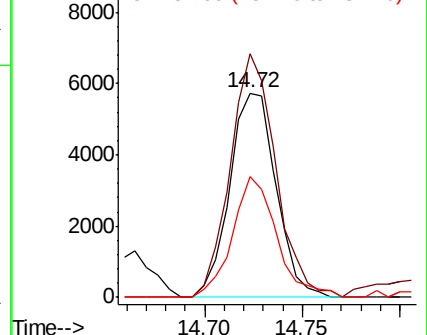
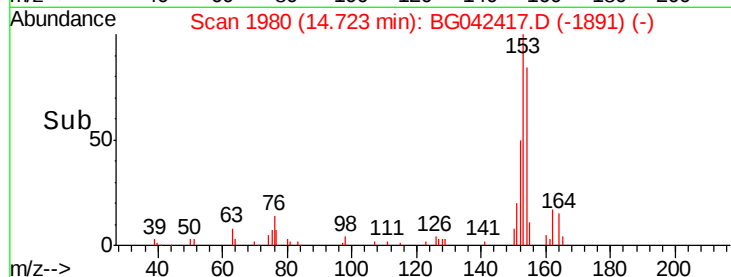
152 59.3 43.2 64.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#53

3-Nitroaniline

Concen: 0.007 ng

RT: 14.64 min Scan# 1966

Delta R.T. 0.07 min

Lab File: BG042417.D

Acq: 23 Aug 2019 1:24

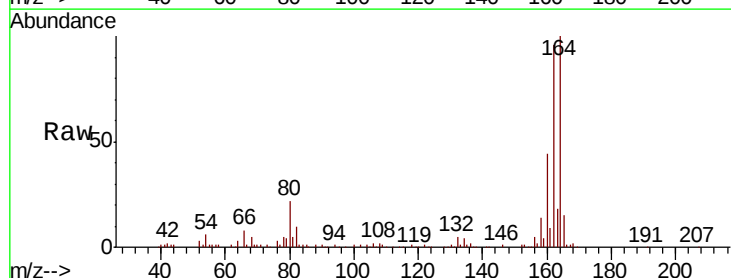
Tgt Ion:138 Resp: 67

Ion Ratio Lower Upper

138 100

108 570.5 8.3 12.5#

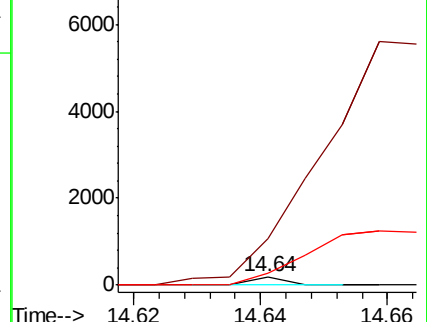
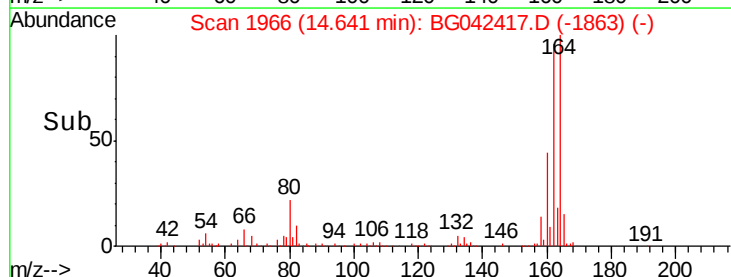
92 146.3 78.2 117.4#

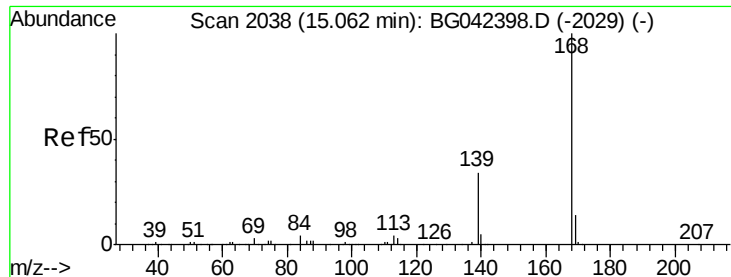


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC





#55

Dibenzenofuran

Concen: 0.225 ng

RT: 15.06 min Scan# 2038

Delta R.T. 0.00 min

Lab File: BG042417.D

Acq: 23 Aug 2019 1:24

Instrument :

BNA\_G

ClientSampleId :

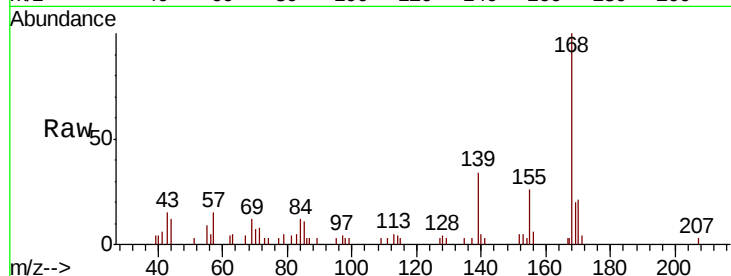
Tot Ion:168 Resp: 11054

Ion Ratio Lower Upper

168 100

139 34.4 27.2 40.8

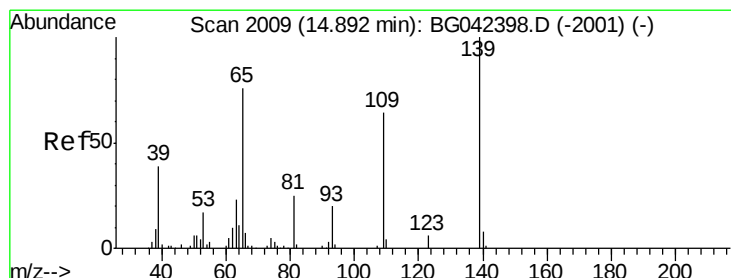
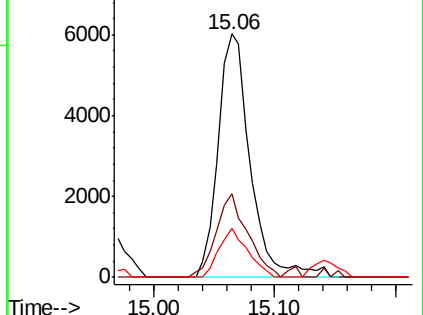
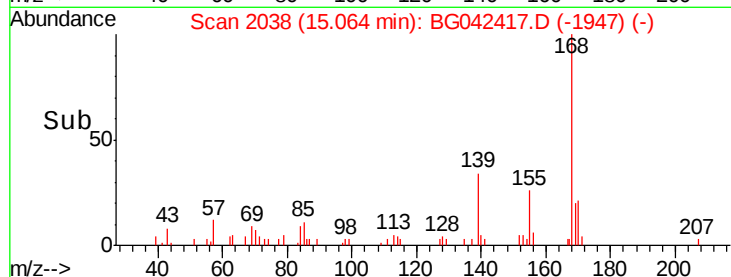
169 19.9 11.5 17.3#



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: 0.536 ng

RT: 15.06 min Scan# 2038

Delta R.T. 0.17 min

Lab File: BG042417.D

Acq: 23 Aug 2019 1:24

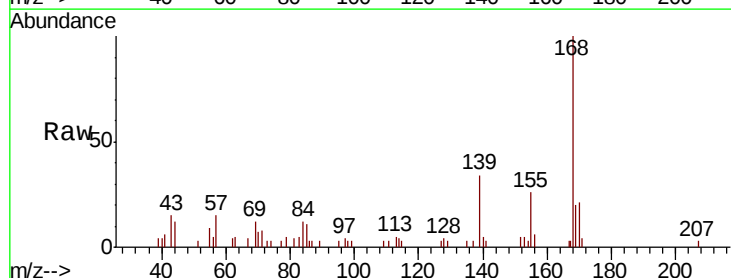
Tgt Ion:139 Resp: 3714

Ion Ratio Lower Upper

139 100

109 9.8 43.9 83.9#

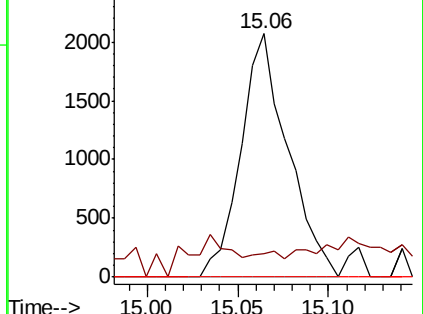
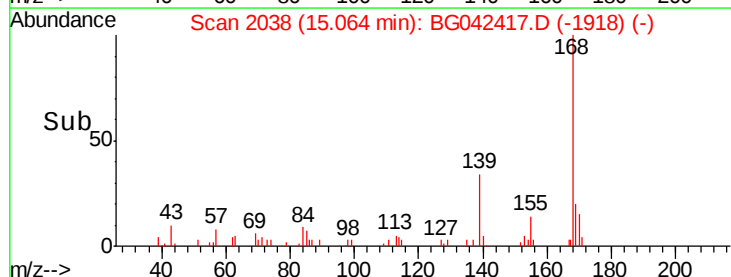
65 0.0 56.3 96.3#

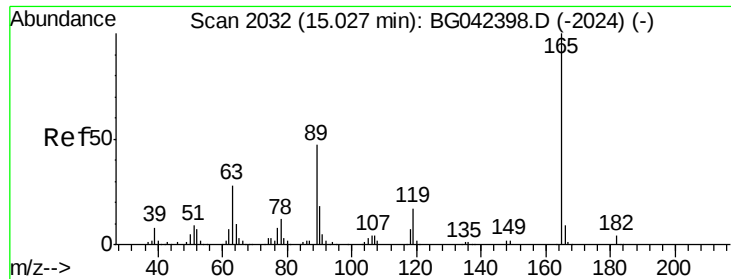


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC

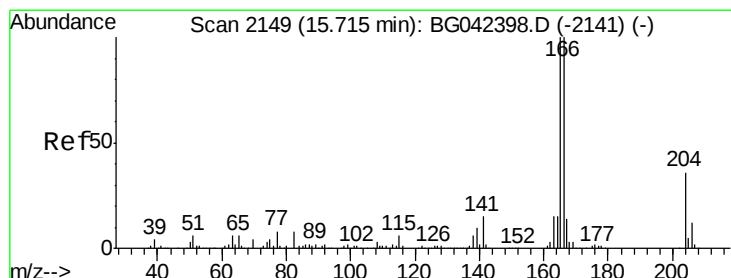
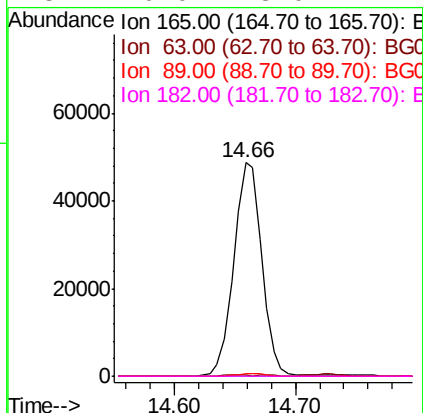
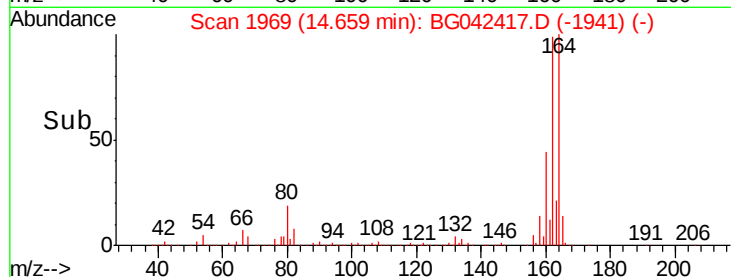
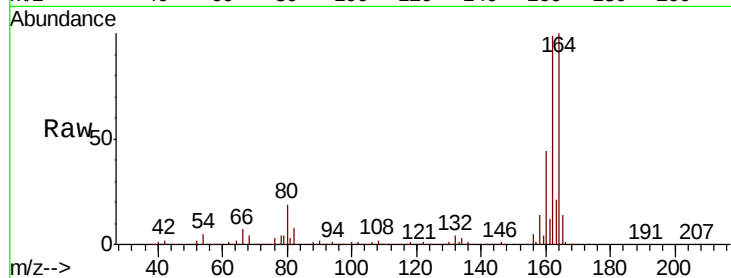




#57  
 2,4-Dinitrotoluene  
 Concen: 5.662 ng  
 RT: 14.66 min Scan# 1969  
 Delta R.T. -0.37 min  
 Lab File: BG042417.D  
 Acq: 23 Aug 2019 1:24

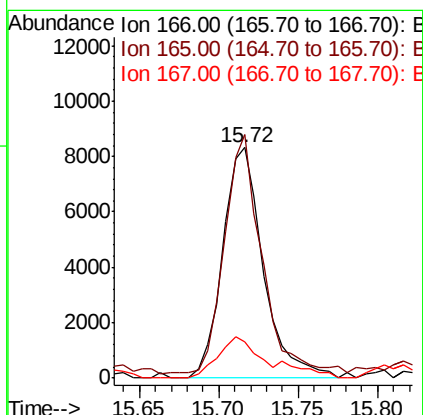
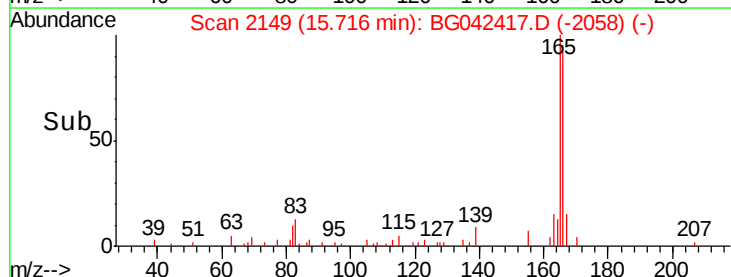
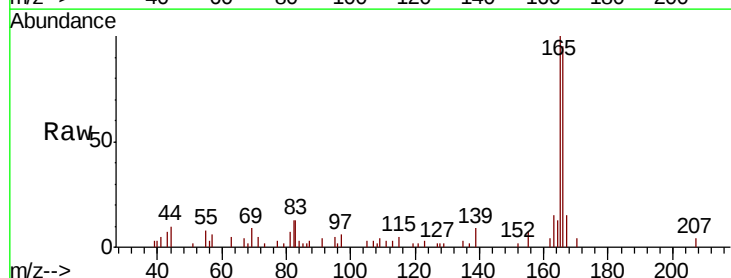
Instrument :  
 BNA\_G  
 ClientSampleId :

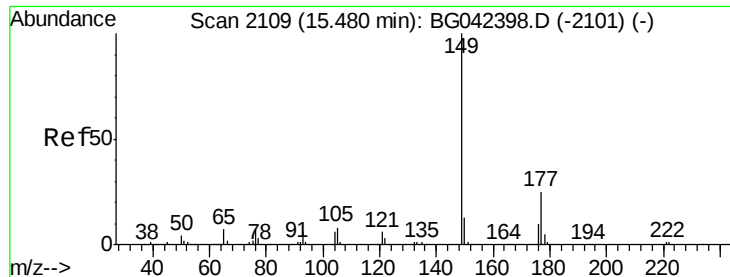
|             |       |            |
|-------------|-------|------------|
| Tot Ion:165 | Resp: | 79123      |
| Ion Ratio   | Lower | Upper      |
| 165         | 100   |            |
| 63          | 0.8   | 22.5 33.7# |
| 89          | 1.1   | 37.8 56.6# |
| 182         | 0.0   | 3.0 4.4#   |



#58  
 Fluorene  
 Concen: 0.367 ng  
 RT: 15.72 min Scan# 2149  
 Delta R.T. 0.00 min  
 Lab File: BG042417.D  
 Acq: 23 Aug 2019 1:24

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:166 | Resp: | 14758      |
| Ion Ratio   | Lower | Upper      |
| 166         | 100   |            |
| 165         | 105.6 | 79.7 119.5 |
| 167         | 15.5  | 10.9 16.3  |





#60

Diethylphthalate

Concen: 0.033 ng

RT: 15.48 min Scan# 2108

Delta R.T. -0.00 min

Lab File: BG042417.D

Acq: 23 Aug 2019 1:24

Instrument :

BNA\_G

ClientSampleId :

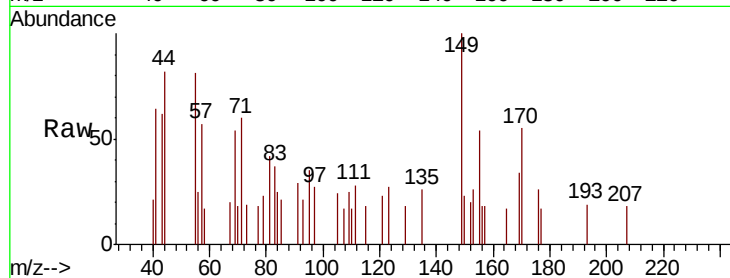
Tot Ion:149 Resp: 1344

Ion Ratio Lower Upper

149 100

177 16.8 20.4 30.6#

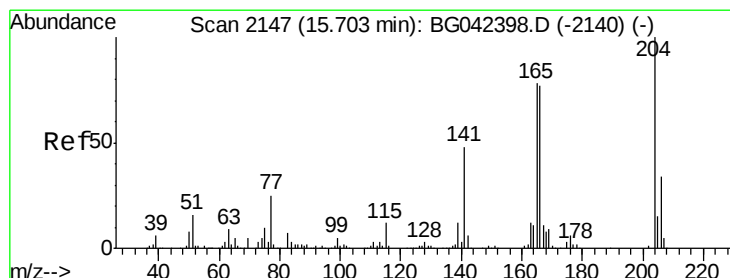
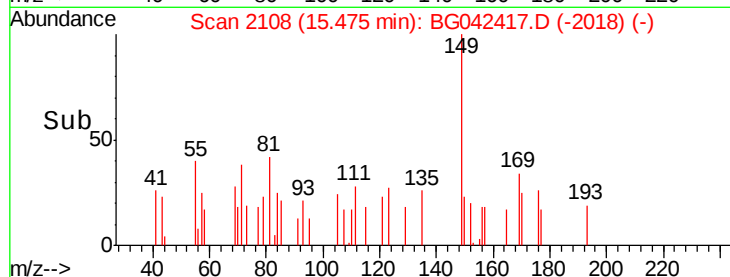
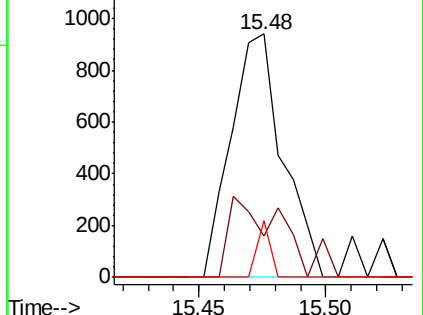
150 23.1 10.3 15.5#



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: 0.002 ng

RT: 16.05 min Scan# 2205

Delta R.T. 0.34 min

Lab File: BG042417.D

Acq: 23 Aug 2019 1:24

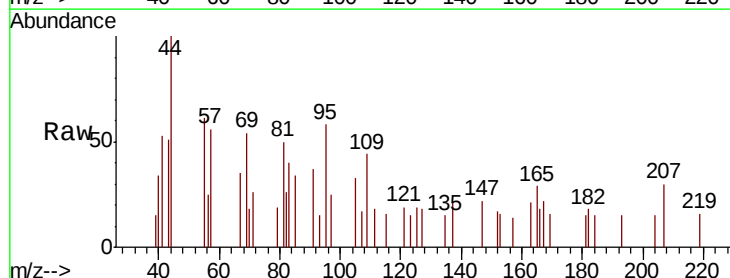
Tgt Ion:204 Resp: 55

Ion Ratio Lower Upper

204 100

206 0.0 27.2 40.8#

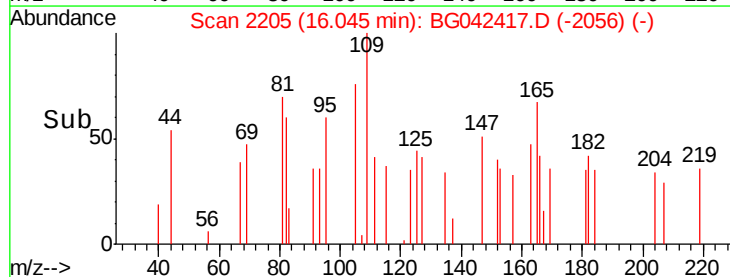
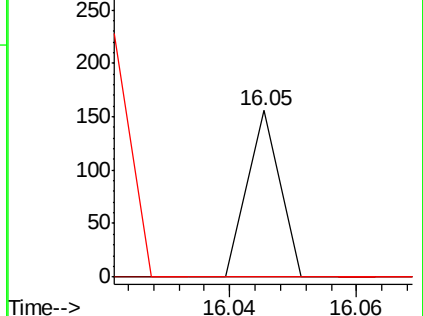
141 0.0 38.7 58.1#

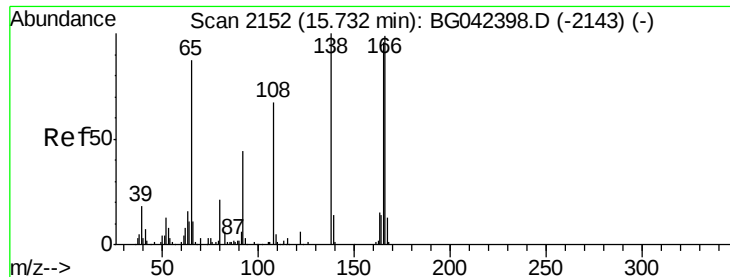


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#62

4-Nitroaniline

Concen: 0.005 ng

RT: 16.16 min Scan# 2225

Delta R.T. 0.43 min

Lab File: BG042417.D

Acq: 23 Aug 2019 1:24

Instrument :

BNA\_G

ClientSampleId :

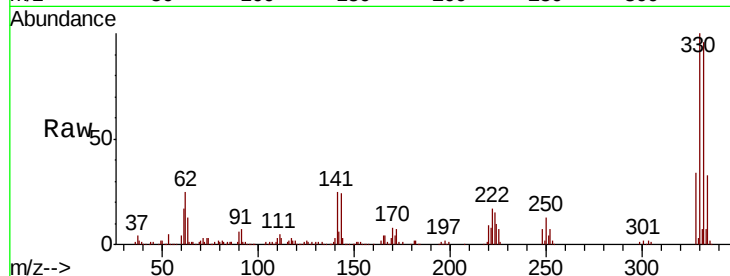
Tot Ion:138 Resp: 54

Ion Ratio Lower Upper

138 100

92 531.4 24.2 64.2#

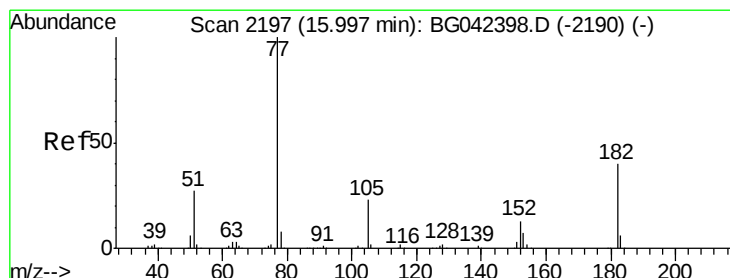
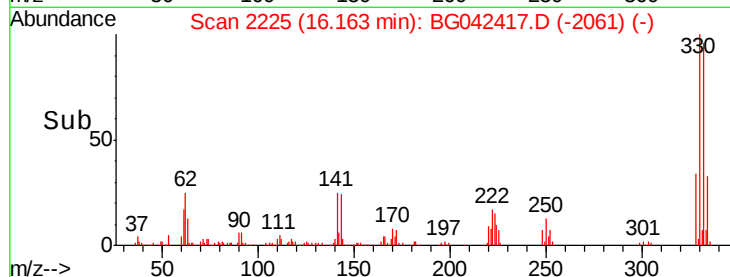
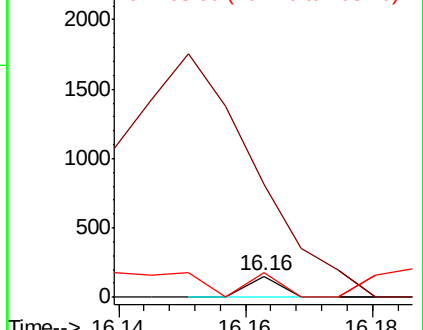
108 114.4 46.8 86.8#



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: 0.013 ng

RT: 15.99 min Scan# 2195

Delta R.T. -0.01 min

Lab File: BG042417.D

Acq: 23 Aug 2019 1:24

Tgt Ion: 77 Resp: 374

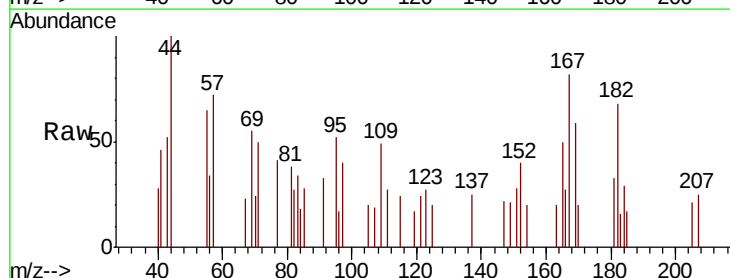
Ion Ratio Lower Upper

77 100

182 166.3 19.9 59.9#

105 48.7 2.9 42.9#

51 0.0 7.6 47.6#

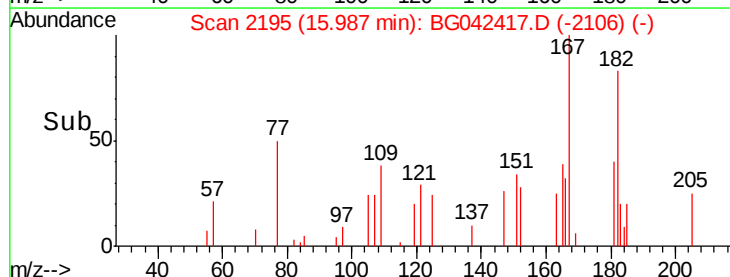
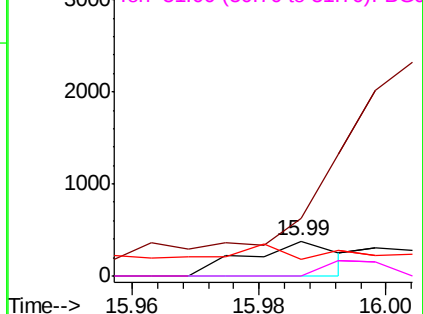


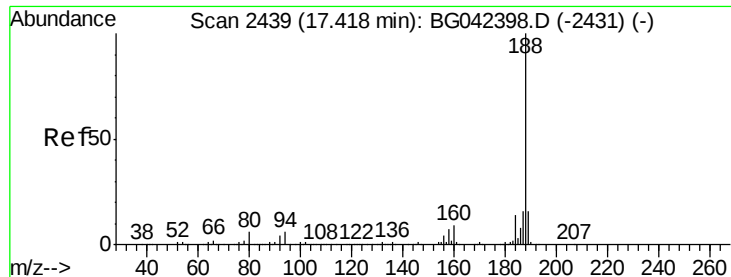
Abundance Ion 77.00 (76.70 to 77.70): BG

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BG





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.41 min Scan# 2438

Delta R.T. -0.00 min

Lab File: BG042417.D

Acq: 23 Aug 2019 1:24

Instrument :

BNA\_G

ClientSampleId :

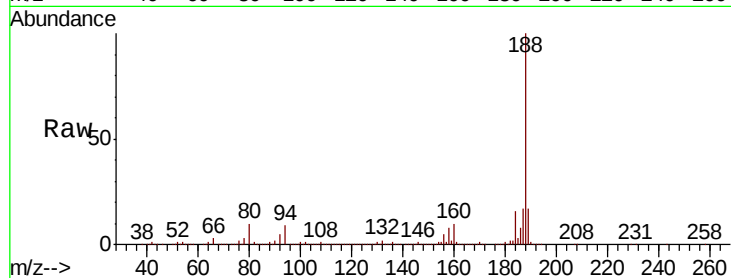
Tot Ion:188 Resp: 1138815

Ion Ratio Lower Upper

188 100

94 9.0 4.5 6.7#

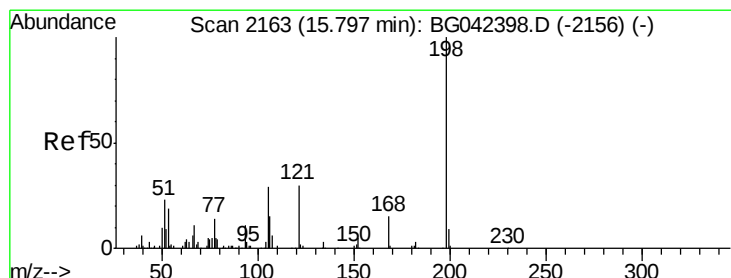
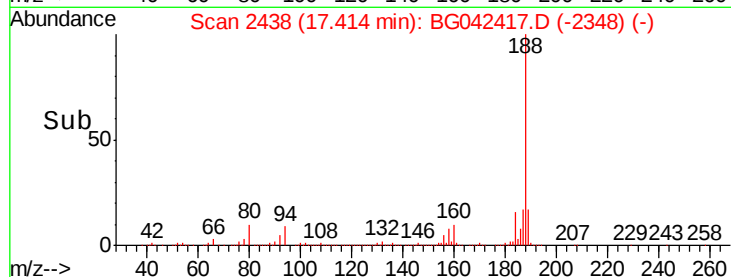
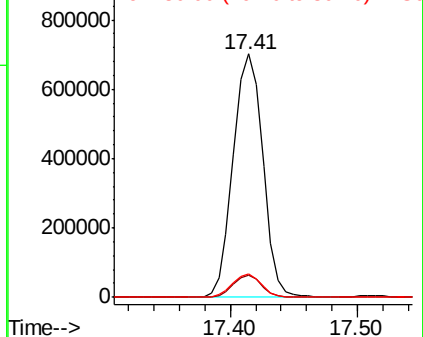
80 9.6 4.9 7.3#



Abundance Ion 188.00 (187.70 to 188.70): E

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: 0.110 ng

RT: 16.15 min Scan# 2223

Delta R.T. 0.35 min

Lab File: BG042417.D

Acq: 23 Aug 2019 1:24

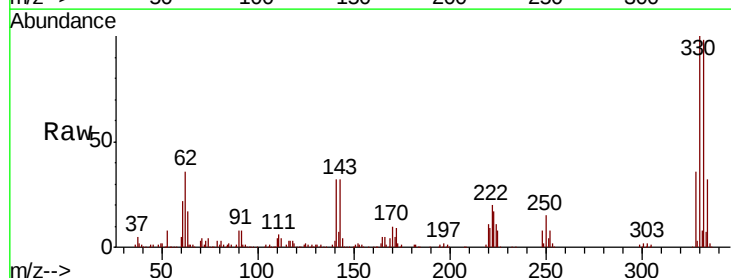
Tgt Ion:198 Resp: 786

Ion Ratio Lower Upper

198 100

51 126.3 4.2 44.2#

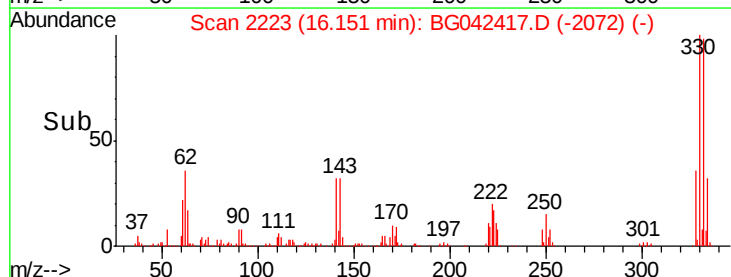
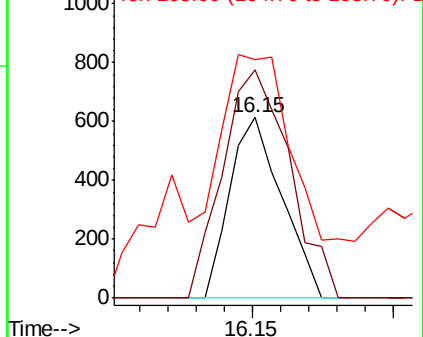
105 132.0 8.8 48.8#

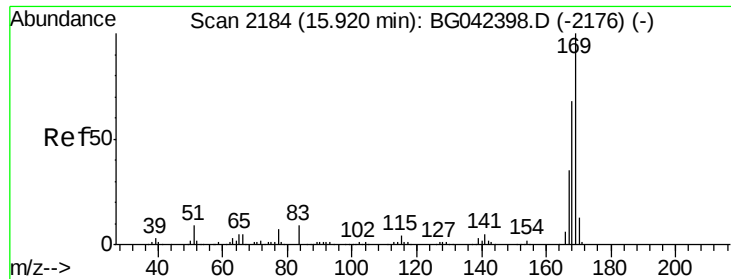


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

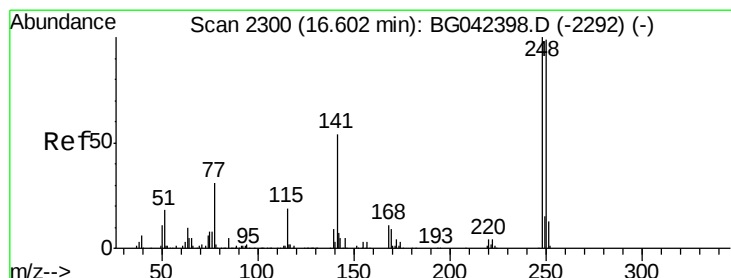
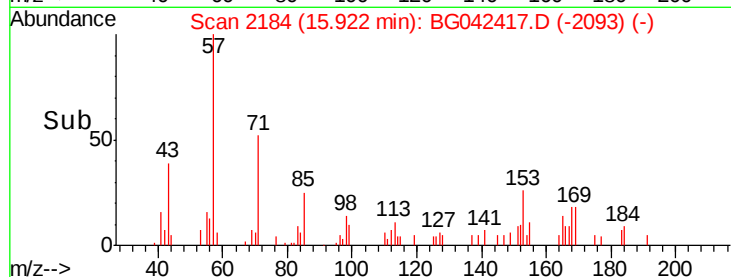
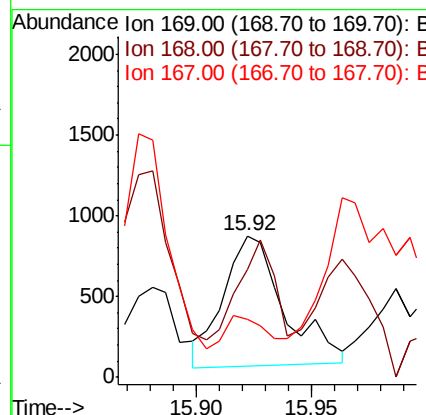
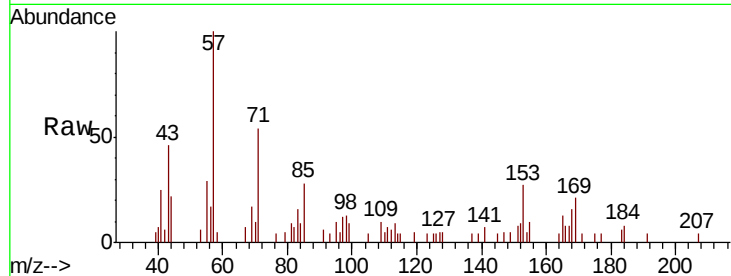




#66  
 n-Nitrosodiphenylamine  
 Concen: 0.047 ng  
 RT: 15.92 min Scan# 2184  
 Delta R.T. 0.00 min  
 Lab File: BG042417.D  
 Acq: 23 Aug 2019 1:24

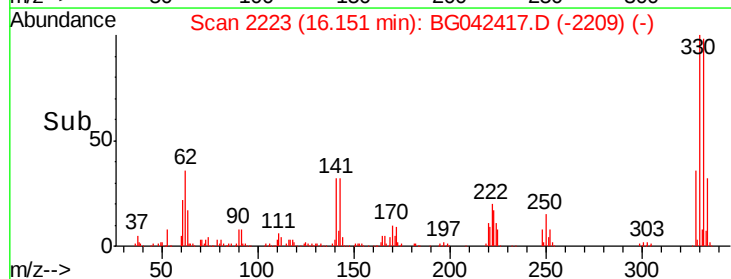
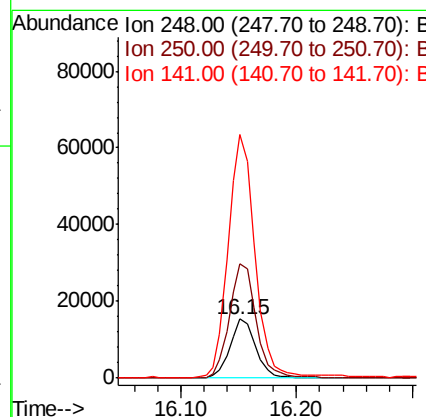
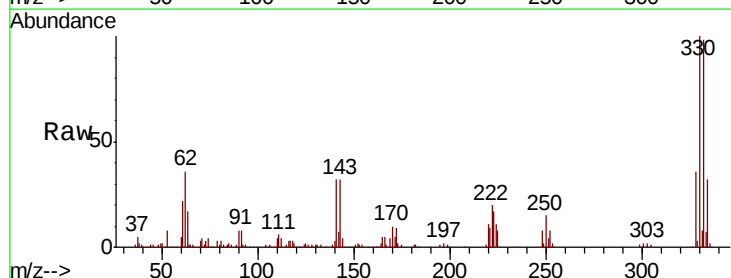
Instrument :  
 BNA\_G  
 ClientSampleId :

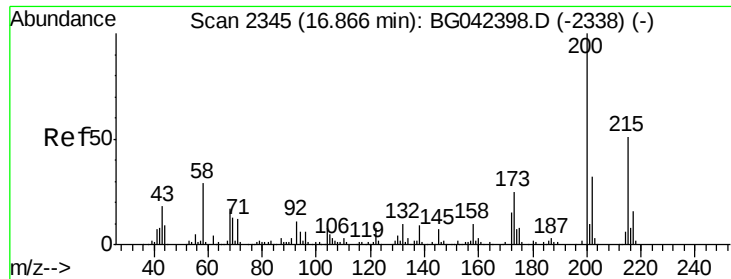
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 169     | 100   |       |       |
| 168     | 76.2  | 54.3  | 81.5  |
| 167     | 40.9  | 28.2  | 42.2  |



#67  
 4-Bromophenyl-phenylether  
 Concen: 1.673 ng  
 RT: 16.15 min Scan# 2223  
 Delta R.T. -0.45 min  
 Lab File: BG042417.D  
 Acq: 23 Aug 2019 1:24

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 248     | 100   |       |        |
| 250     | 192.7 | 78.9  | 118.3# |
| 141     | 410.9 | 43.3  | 64.9#  |

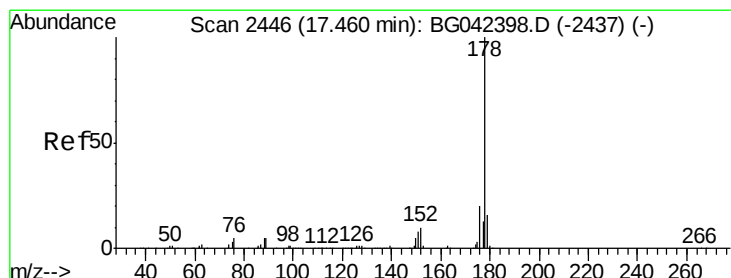
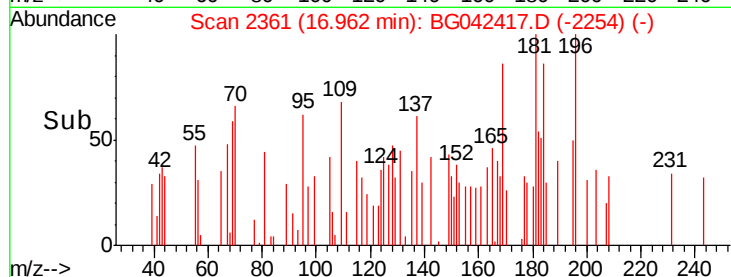
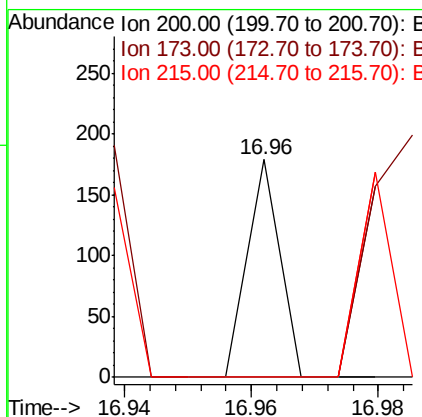
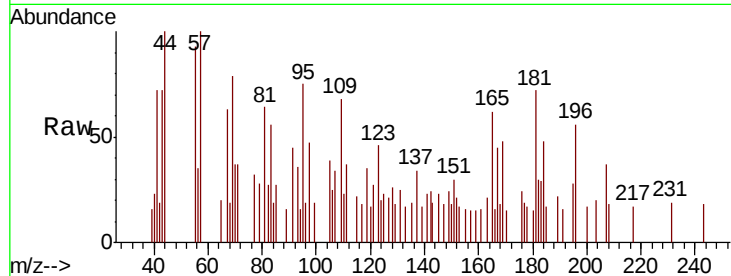




#69  
Atrazine  
Concen: 0.006 ng  
RT: 16.96 min Scan# 2361  
Delta R.T. 0.10 min  
Lab File: BG042417.D  
Acq: 23 Aug 2019 1:24

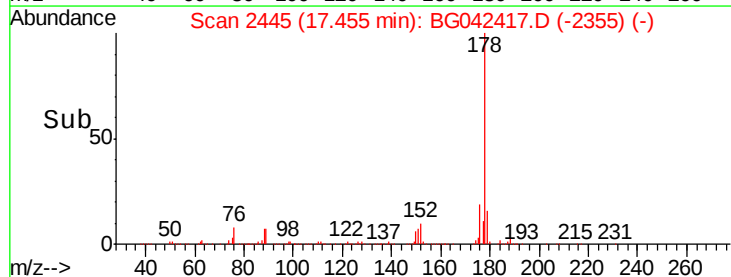
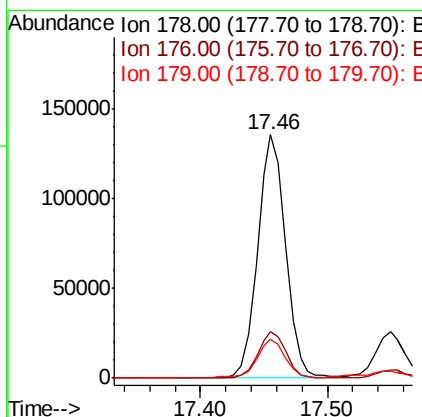
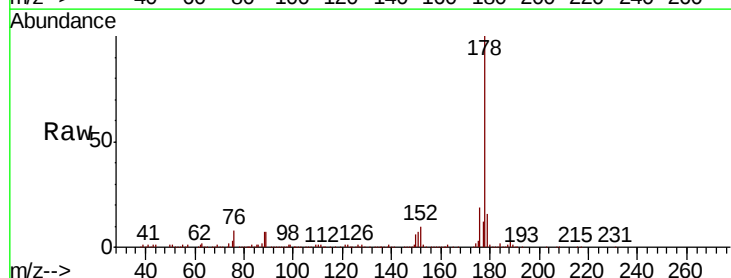
Instrument :  
BNA\_G  
ClientSampleId :

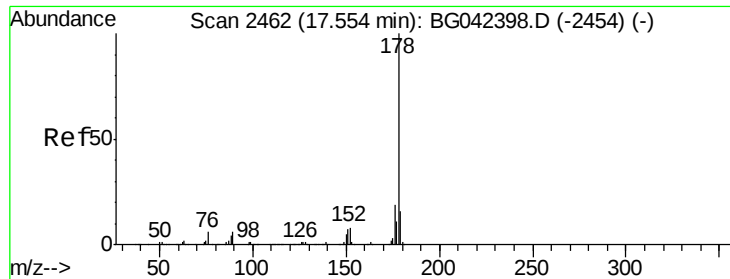
Tot Ion:200 Resp: 63  
Ion Ratio Lower Upper  
200 100  
173 0.0 4.9 44.9#  
215 0.0 30.7 70.7#



#71  
Phenanthrene  
Concen: 3.678 ng  
RT: 17.46 min Scan# 2445  
Delta R.T. -0.00 min  
Lab File: BG042417.D  
Acq: 23 Aug 2019 1:24

Tgt Ion:178 Resp: 208059  
Ion Ratio Lower Upper  
178 100  
176 19.1 15.9 23.9  
179 15.9 12.7 19.1





#72

Anthracene

Concen: 0.700 ng

RT: 17.55 min Scan# 2461

Delta R.T. -0.00 min

Lab File: BG042417.D

Acq: 23 Aug 2019 1:24

Instrument :

BNA\_G

ClientSampleId :

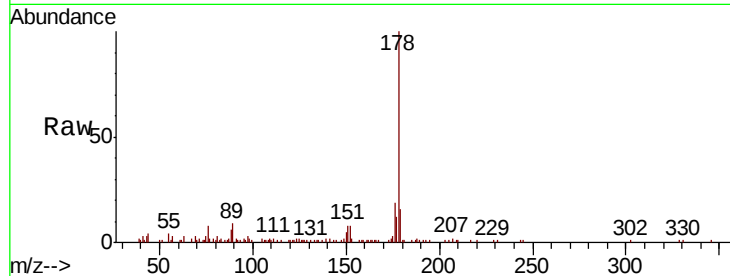
Tot Ion:178 Resp: 39527

Ion Ratio Lower Upper

178 100

176 18.6 15.5 23.3

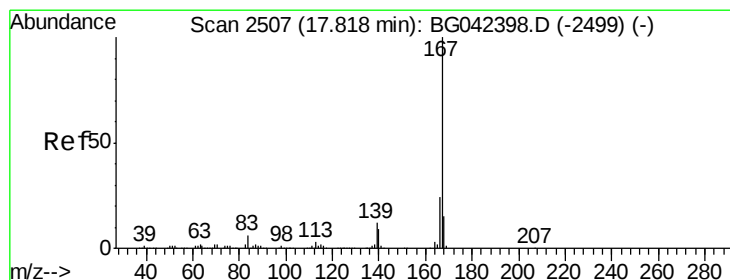
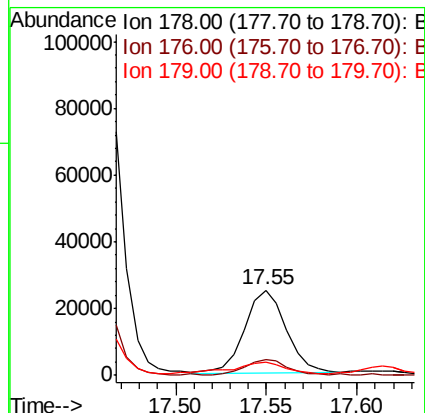
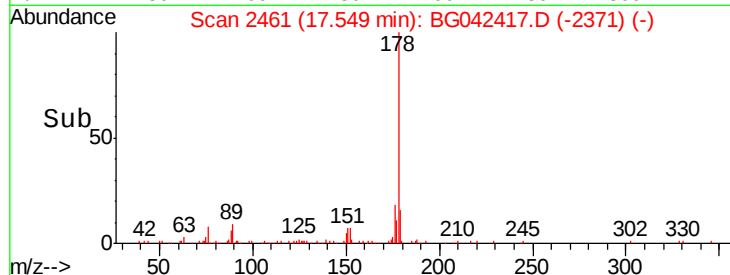
179 15.8 12.9 19.3



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#73

Carbazole

Concen: 0.351 ng

RT: 17.82 min Scan# 2507

Delta R.T. 0.00 min

Lab File: BG042417.D

Acq: 23 Aug 2019 1:24

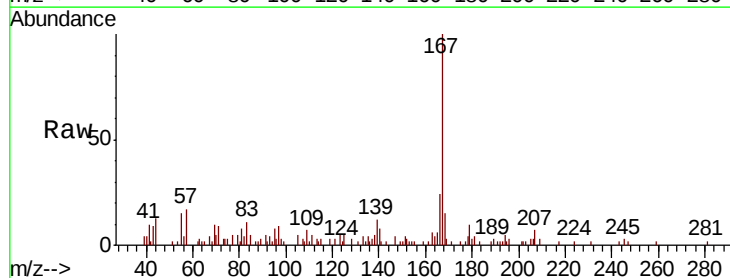
Tgt Ion:167 Resp: 17671

Ion Ratio Lower Upper

167 100

166 23.9 18.9 28.3

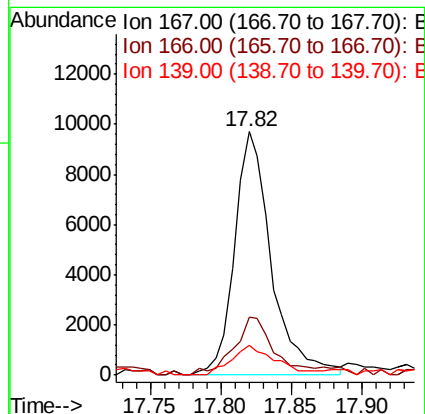
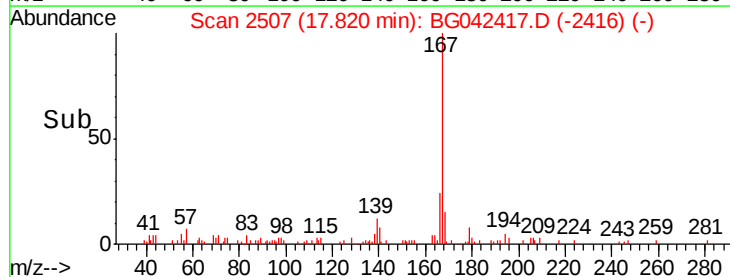
139 12.4 9.8 14.6

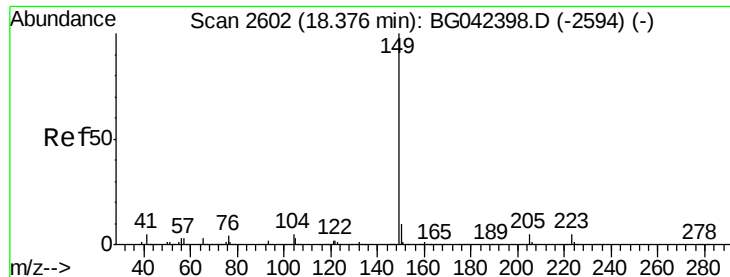


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Di-n-butylphthalate

Concen: 0.100 ng

RT: 18.37 min Scan# 2601

Delta R.T. -0.00 min

Lab File: BG042417.D

Acq: 23 Aug 2019 1:24

Instrument :

BNA\_G

ClientSampleId :

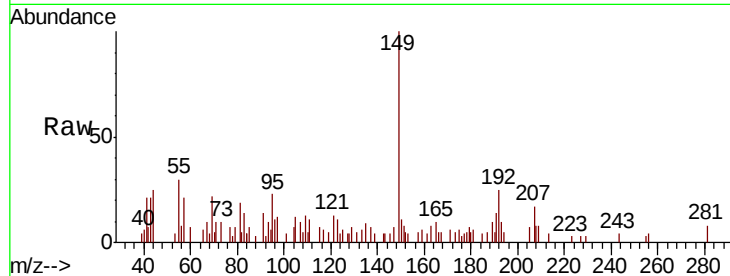
Tot Ion:149 Resp: 5921

Ion Ratio Lower Upper

149 100

150 11.4 8.1 12.1

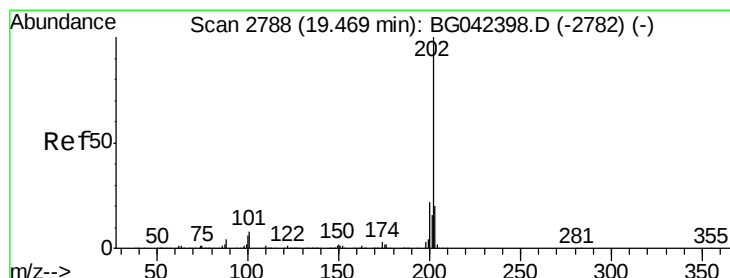
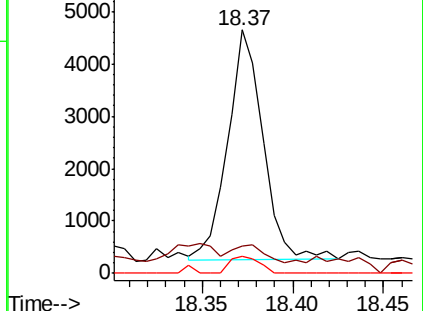
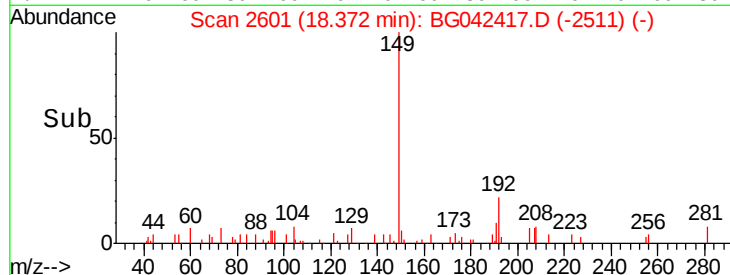
104 7.2 3.7 5.5#



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: 3.732 ng

RT: 19.47 min Scan# 2788

Delta R.T. 0.00 min

Lab File: BG042417.D

Acq: 23 Aug 2019 1:24

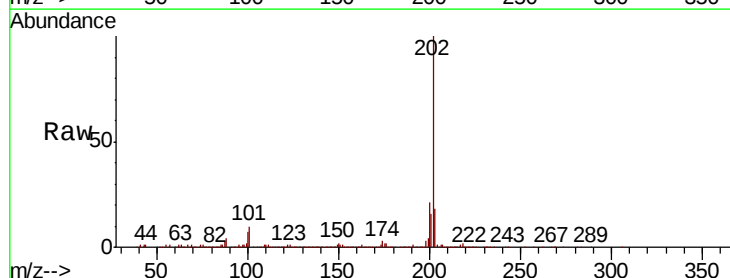
Tgt Ion:202 Resp: 257659

Ion Ratio Lower Upper

202 100

101 9.7 0.0 28.3

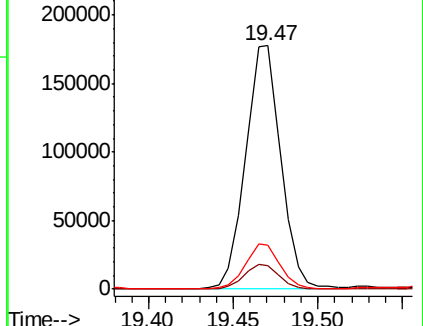
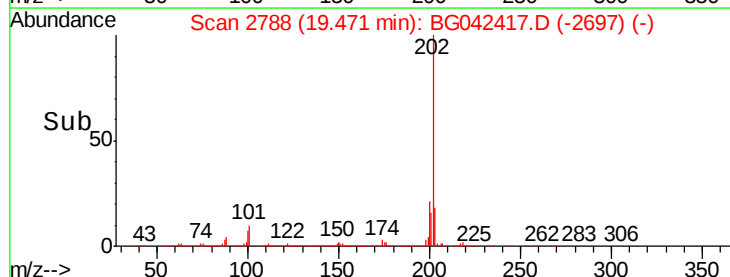
203 17.8 0.0 39.6

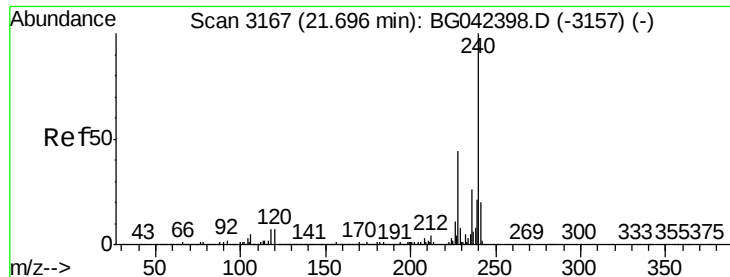


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

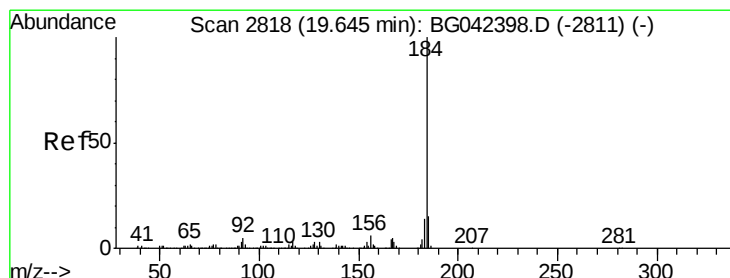
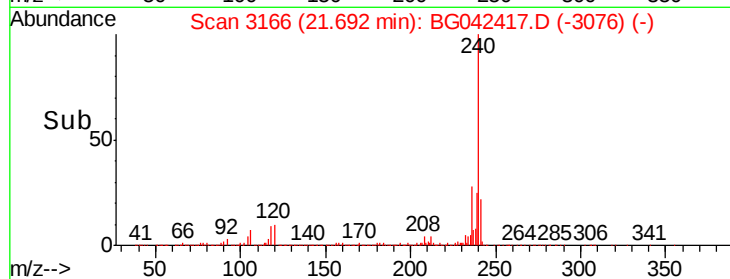
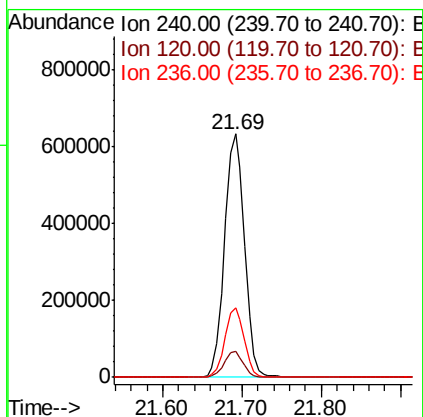
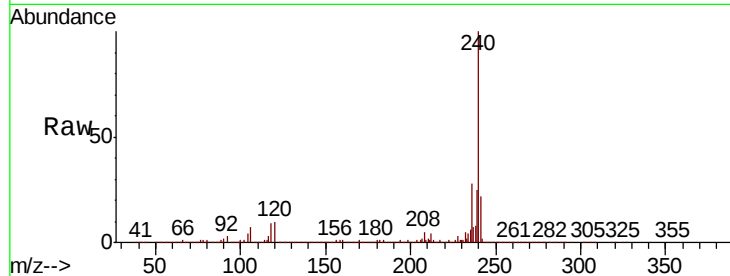




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.69 min Scan# 3166  
Delta R.T. -0.00 min  
Lab File: BG042417.D  
Acq: 23 Aug 2019 1:24

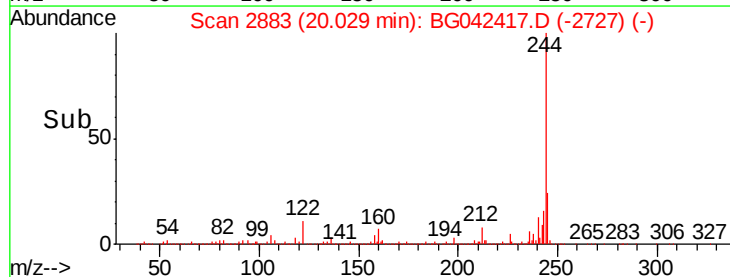
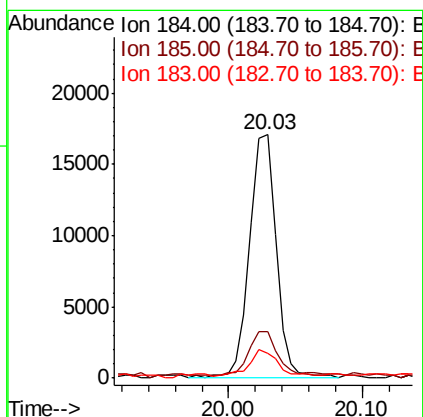
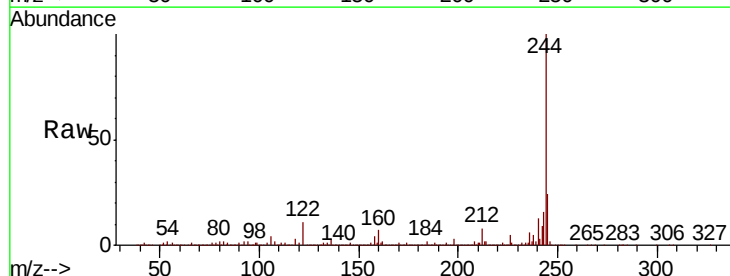
Instrument :  
BNA\_G  
ClientSampleId :

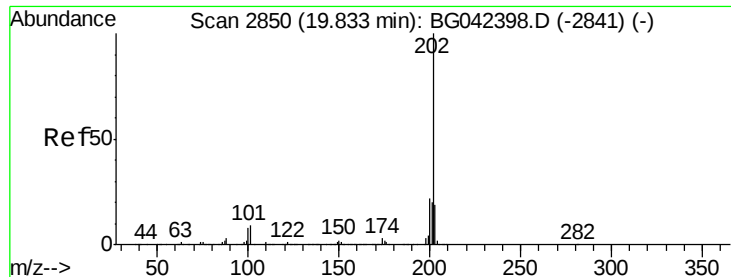
Tot Ion:240 Resp: 1100366  
Ion Ratio Lower Upper  
240 100  
120 10.4 5.7 8.5#  
236 28.5 21.0 31.4



#77  
Benzidine  
Concen: 0.751 ng  
RT: 20.03 min Scan# 2883  
Delta R.T. 0.38 min  
Lab File: BG042417.D  
Acq: 23 Aug 2019 1:24

Tgt Ion:184 Resp: 23683  
Ion Ratio Lower Upper  
184 100  
185 18.9 12.2 18.4#  
183 10.1 10.8 16.2#

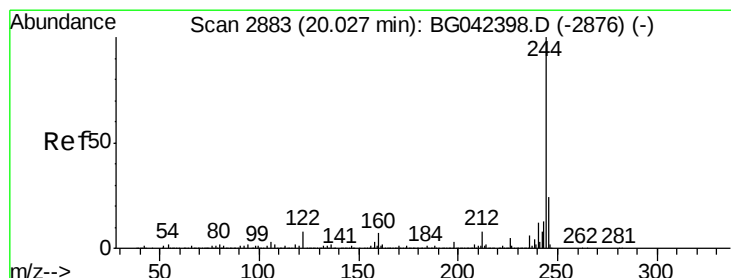
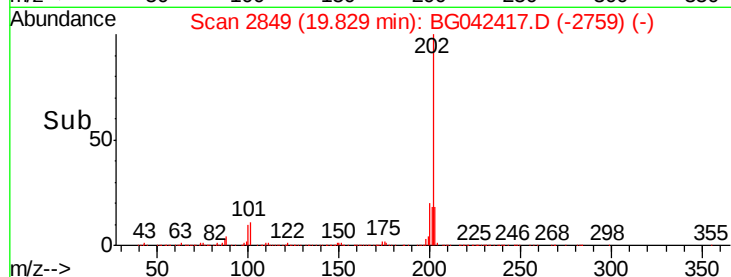
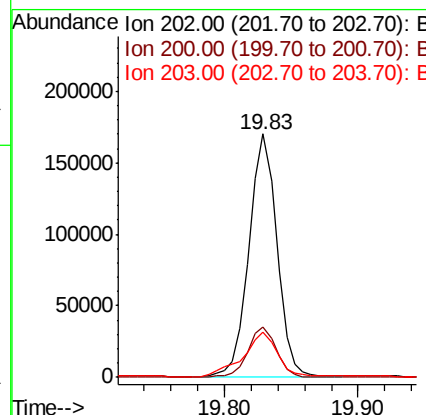
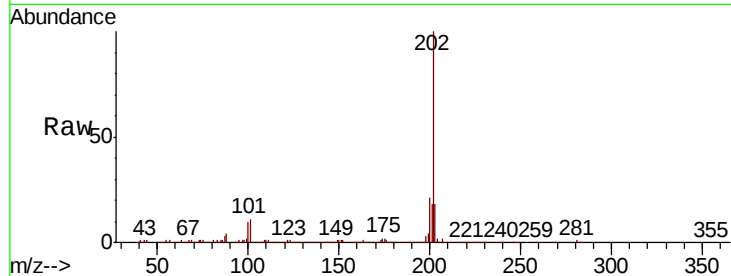




#78  
Pvrene  
Concen: 3.633 ng  
RT: 19.83 min Scan# 2849  
Delta R.T. -0.00 min  
Lab File: BG042417.D  
Acq: 23 Aug 2019 1:24

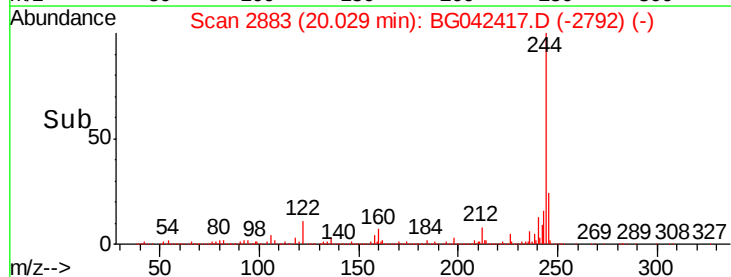
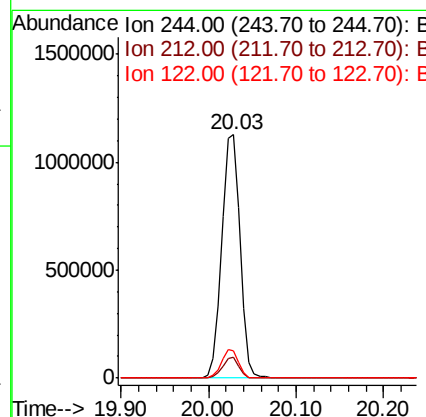
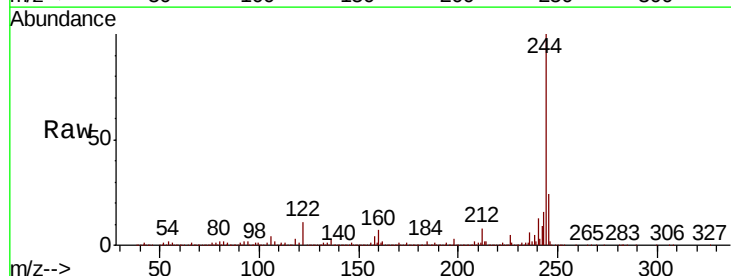
Instrument :  
BNA\_G  
ClientSampleId :

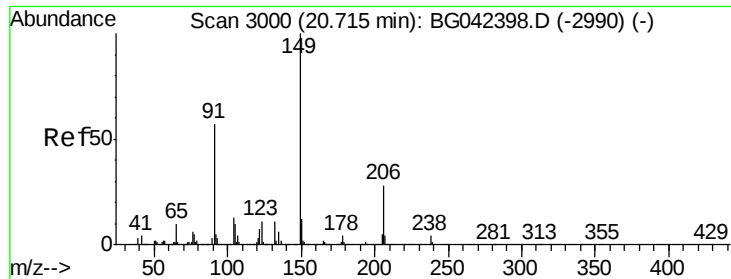
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 20.6  | 17.8  | 26.6  |
| 203     | 18.5  | 15.5  | 23.3  |



#79  
Terphenyl-d14  
Concen: 32.422 ng  
RT: 20.03 min Scan# 2883  
Delta R.T. 0.00 min  
Lab File: BG042417.D  
Acq: 23 Aug 2019 1:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 8.3   | 6.0   | 9.0   |
| 122     | 11.3  | 6.7   | 10.1  |

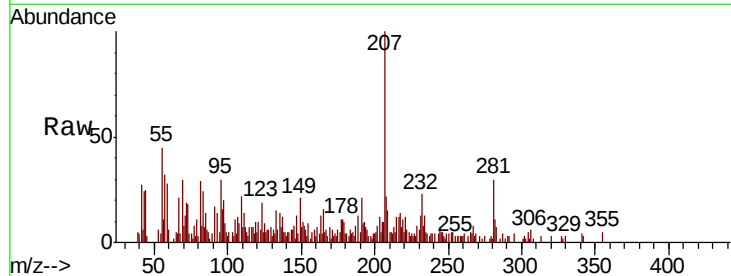




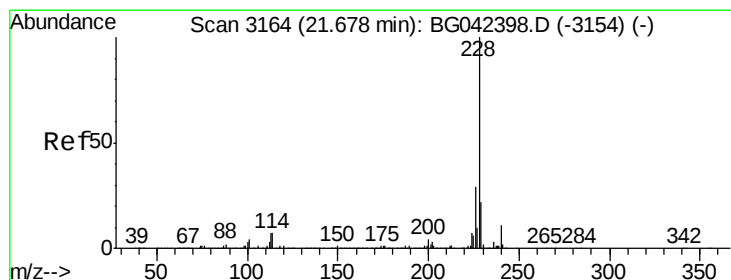
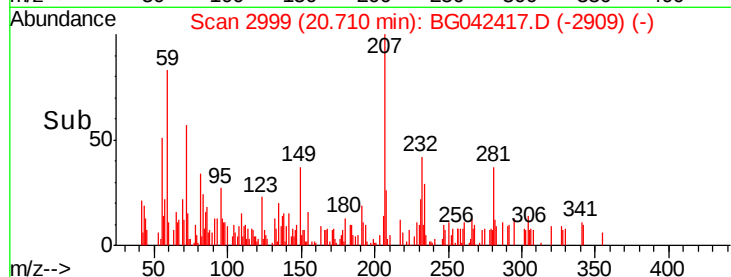
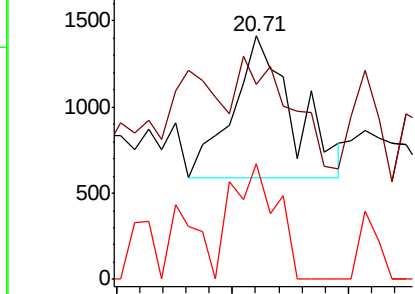
#80  
Butylbenzylphthalate  
Concen: 0.058 ng  
RT: 20.71 min Scan# 2999  
Delta R.T. -0.00 min  
Lab File: BG042417.D  
Acq: 23 Aug 2019 1:24

Instrument :  
BNA\_G  
ClientSampled :

Tot Ion:149 Resp: 1526  
Ion Ratio Lower Upper  
149 100  
91 79.9 45.9 68.9#  
206 47.7 22.5 33.7#

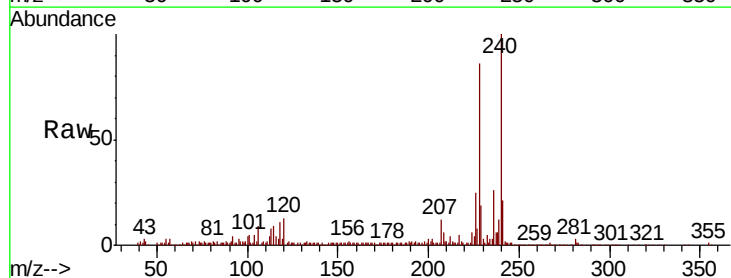


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 91.00 (90.70 to 91.70): BG  
Ion 206.00 (205.70 to 206.70): E

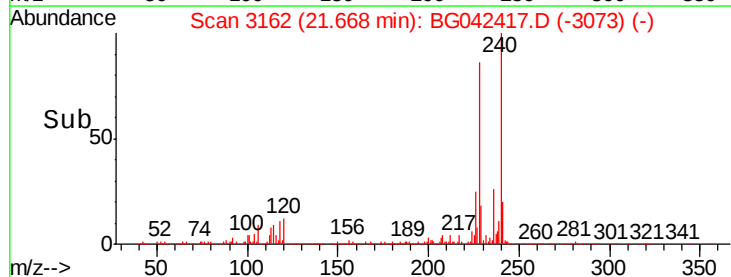
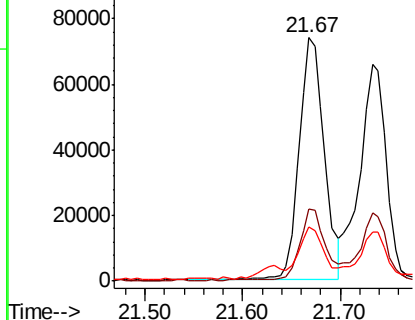


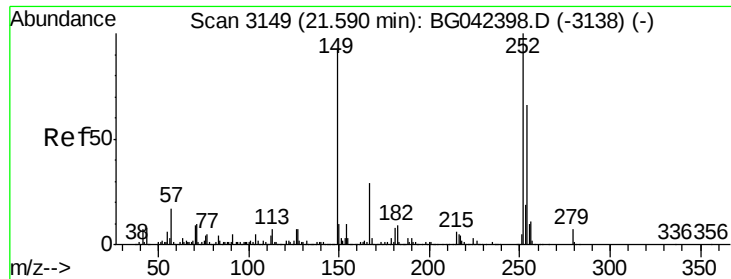
#81  
Benzo(a)anthracene  
Concen: 1.965 ng  
RT: 21.67 min Scan# 3162  
Delta R.T. -0.01 min  
Lab File: BG042417.D  
Acq: 23 Aug 2019 1:24

Tgt Ion:228 Resp: 131533  
Ion Ratio Lower Upper  
228 100  
226 29.5 23.4 35.2  
229 22.1 17.4 26.2



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

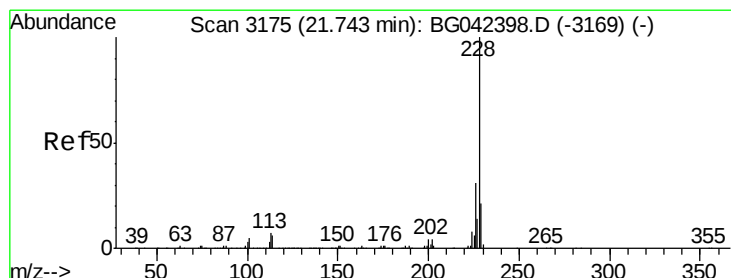
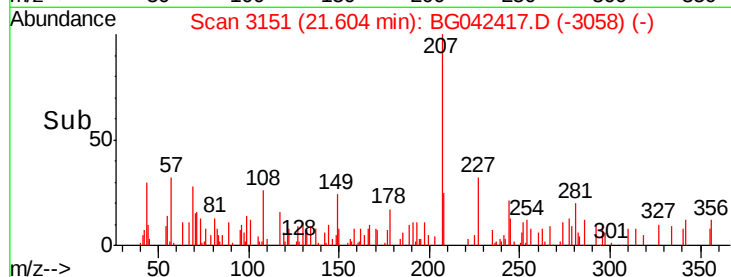
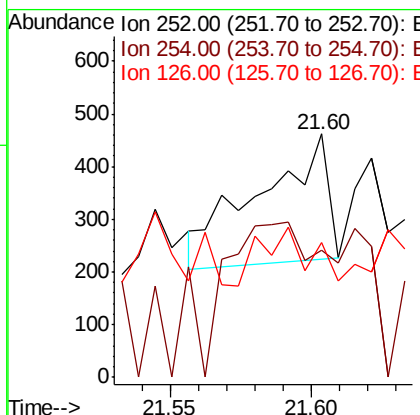
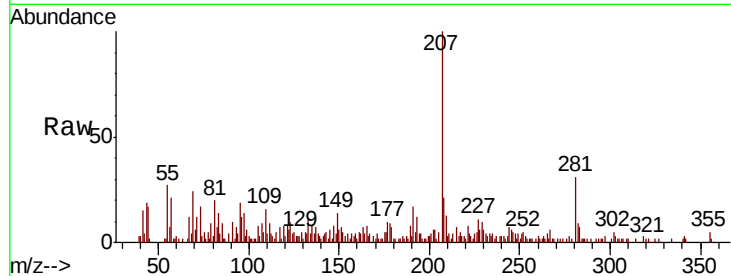




#82  
 3,3'-Dichlorobenzidine  
 Concen: 0.015 ng  
 RT: 21.60 min Scan# 3151  
 Delta R.T. 0.01 min  
 Lab File: BG042417.D  
 Acq: 23 Aug 2019 1:24

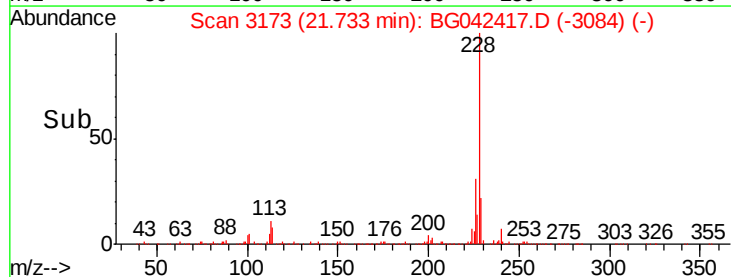
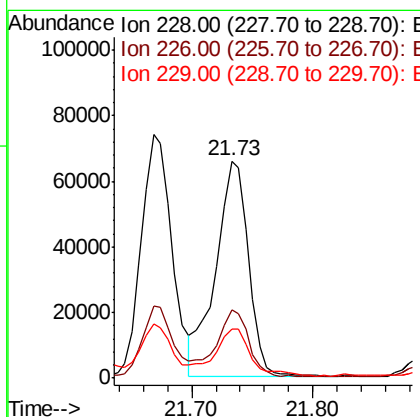
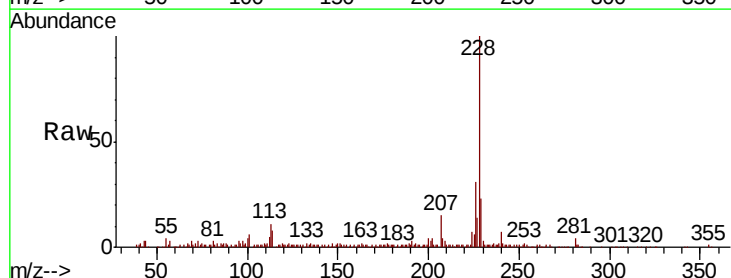
Instrument :  
 BNA\_G  
 ClientSampleId :

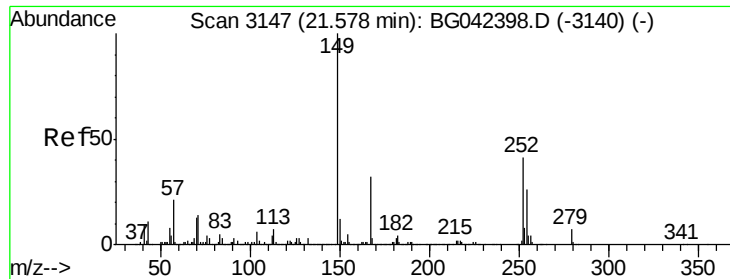
Tot Ion:252 Resp: 405  
 Ion Ratio Lower Upper  
 252 100  
 254 52.2 53.0 79.4#  
 126 55.2 5.7 8.5#



#83  
 Chrysene  
 Concen: 1.923 ng  
 RT: 21.73 min Scan# 3173  
 Delta R.T. -0.01 min  
 Lab File: BG042417.D  
 Acq: 23 Aug 2019 1:24

Tgt Ion:228 Resp: 124130  
 Ion Ratio Lower Upper  
 228 100  
 226 31.5 24.9 37.3  
 229 22.7 16.9 25.3





#84

Bis(2-ethylhexyl)phthalate

Concen: 1.706 ng

RT: 21.57 min Scan# 3146

Delta R.T. -0.00 min

Lab File: BG042417.D

Acq: 23 Aug 2019 1:24

Instrument :

BNA\_G

ClientSampleId :

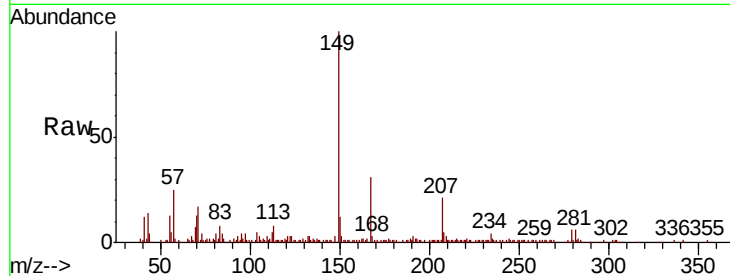
Tot Ion:149 Resp: 62842

Ion Ratio Lower Upper

149 100

167 30.5 26.0 39.0

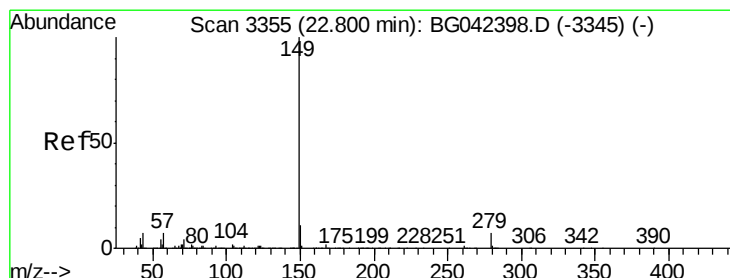
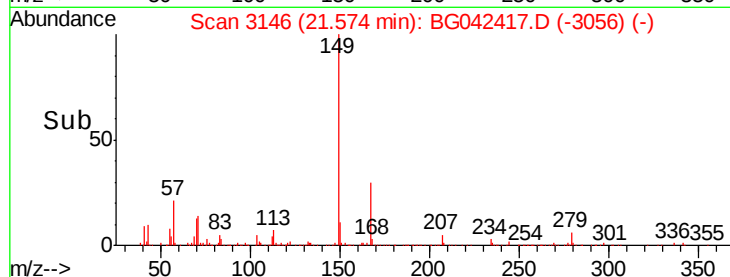
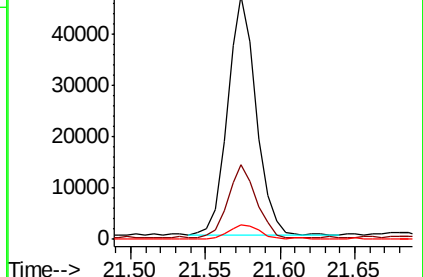
279 6.0 5.4 8.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Di-n-octyl phthalate

Concen: 0.044 ng

RT: 22.80 min Scan# 3355

Delta R.T. 0.00 min

Lab File: BG042417.D

Acq: 23 Aug 2019 1:24

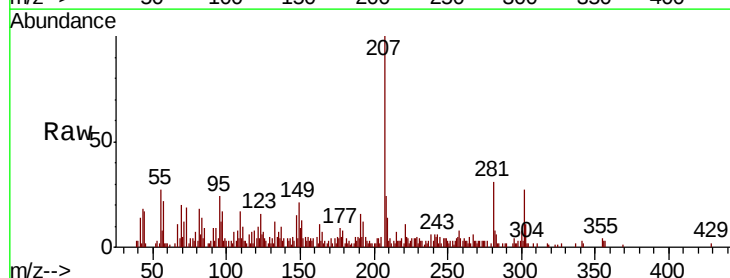
Tgt Ion:149 Resp: 2775

Ion Ratio Lower Upper

149 100

167 11.8 1.6 2.4#

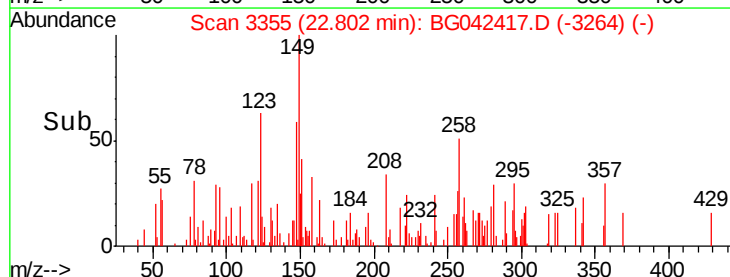
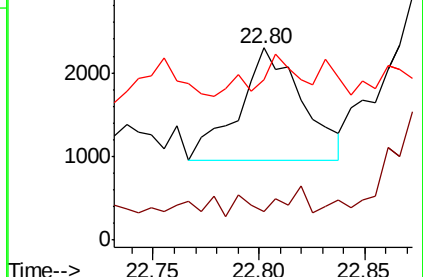
43 0.0 5.3 7.9#

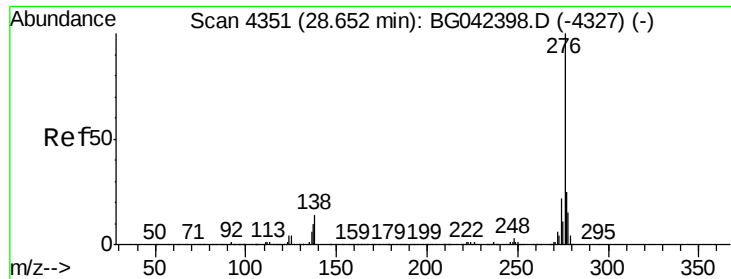


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGC

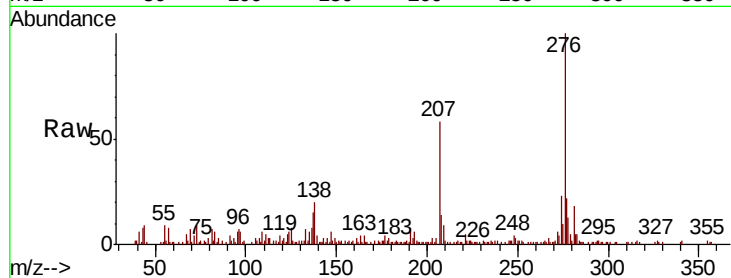




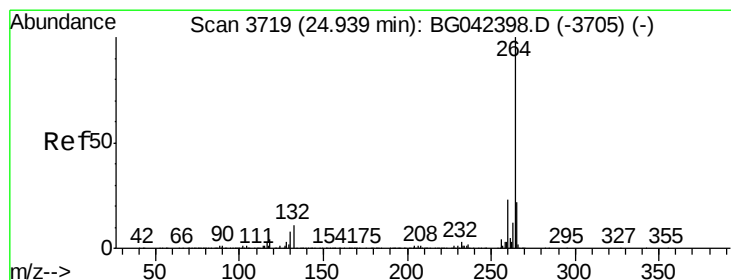
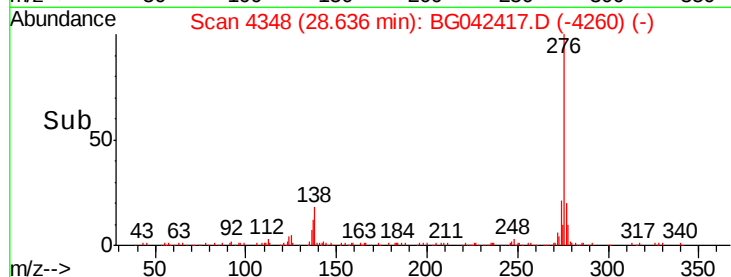
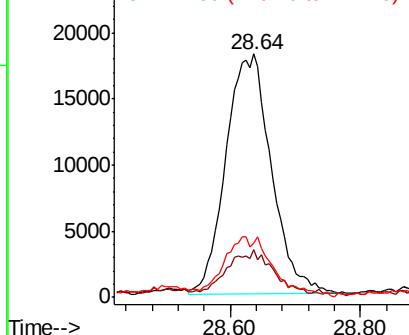
#86  
Indeno(1,2,3-cd)pyrene  
Concen: 0.994 ng  
RT: 28.64 min Scan# 4348  
Delta R.T. -0.02 min  
Lab File: BG042417.D  
Acq: 23 Aug 2019 1:24

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:276 Resp: 87169  
Ion Ratio Lower Upper  
276 100  
138 0.0 9.2 13.8#  
277 0.0 21.0 31.6#

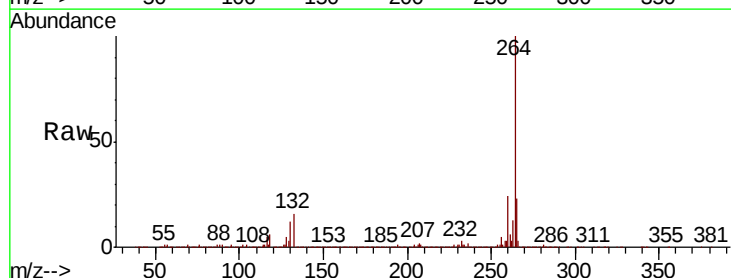


Abundance Ion 276.00 (275.70 to 276.70): E  
Ion 138.00 (137.70 to 138.70): E  
Ion 277.00 (276.70 to 277.70): E

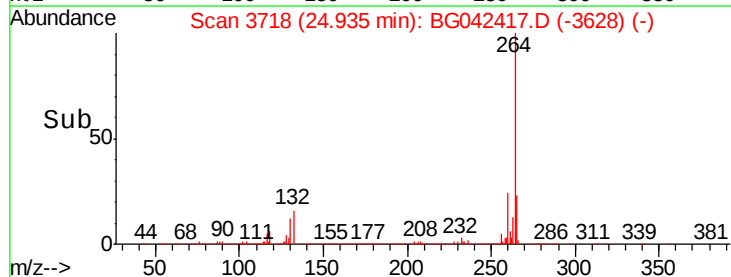
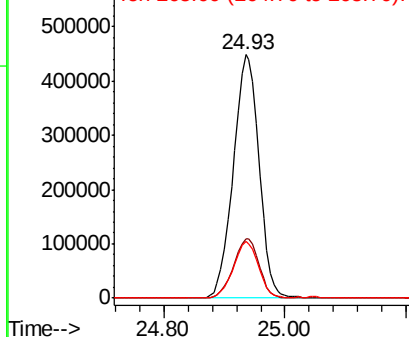


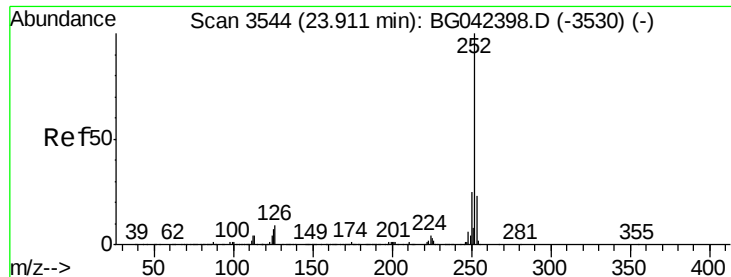
#87  
Perylene-d12  
Concen: 20.000 ng  
RT: 24.93 min Scan# 3718  
Delta R.T. -0.00 min  
Lab File: BG042417.D  
Acq: 23 Aug 2019 1:24

Tgt Ion:264 Resp: 1321901  
Ion Ratio Lower Upper  
264 100  
260 24.4 18.5 27.7  
265 23.3 17.6 26.4



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: 2.267 ng

RT: 23.91 min Scan# 3543

Delta R.T. -0.00 min

Lab File: BG042417.D

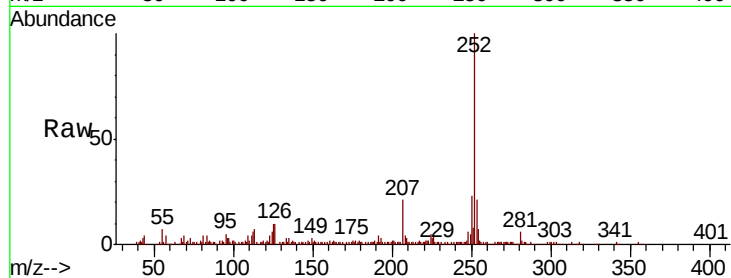
Acq: 23 Aug 2019 1:24

Instrument :

BNA\_G

ClientSampleId :

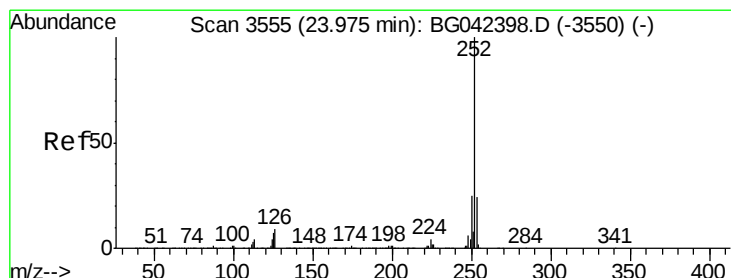
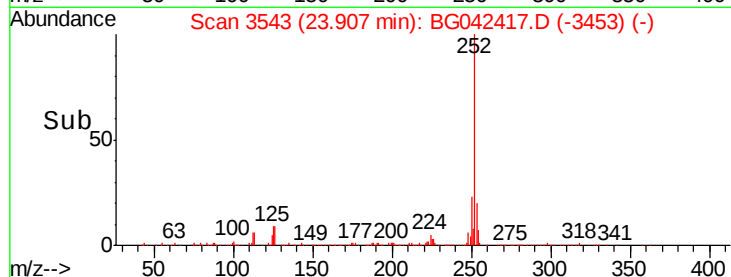
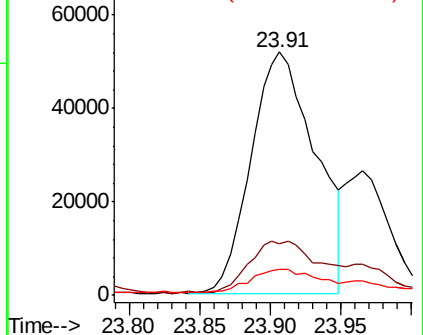
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 252   | Resp: | 164784 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 21.3  | 18.6  | 27.8   |
| 125       | 10.5  | 5.6   | 8.4#   |



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: 2.359 ng

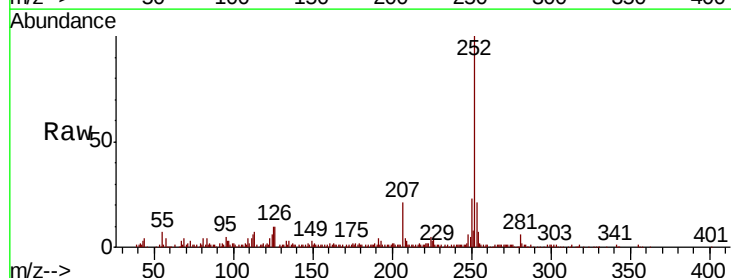
RT: 23.91 min Scan# 3543

Delta R.T. -0.07 min

Lab File: BG042417.D

Acq: 23 Aug 2019 1:24

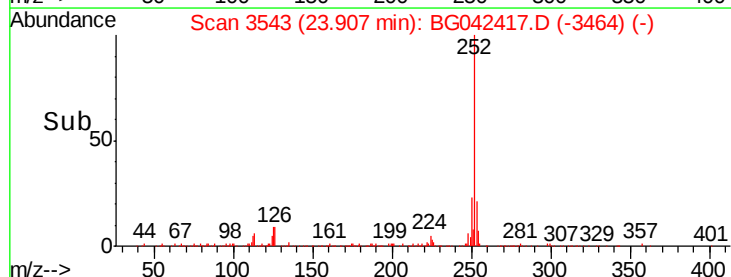
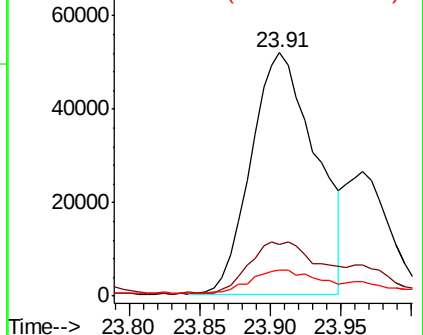
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 164784 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 21.3  | 18.6  | 27.8   |
| 125       | 10.5  | 5.8   | 8.6#   |

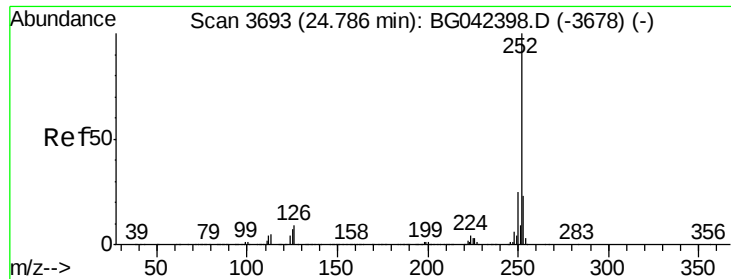


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

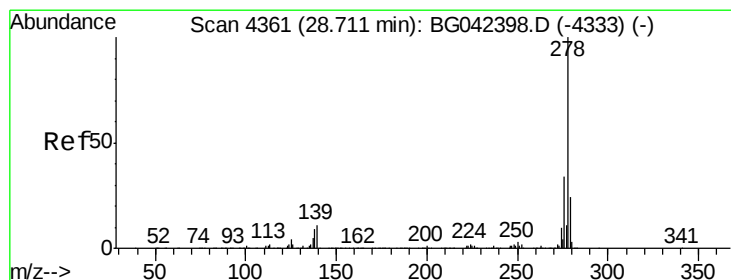
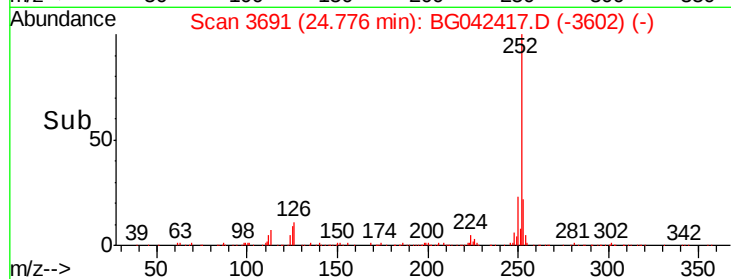
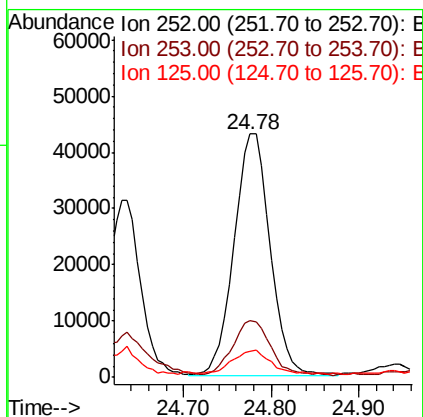
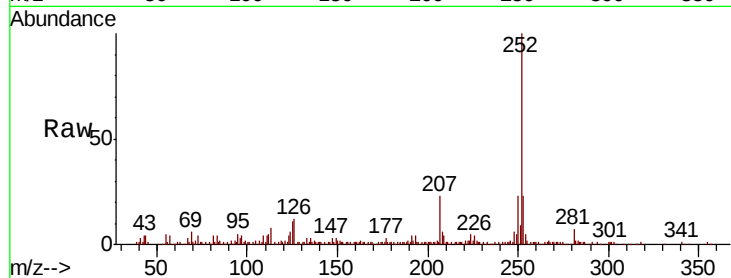




#90  
Benzo(a)pyrene  
Concen: 1.737 ng  
RT: 24.78 min Scan# 3691  
Delta R.T. -0.01 min  
Lab File: BG042417.D  
Acq: 23 Aug 2019 1:24

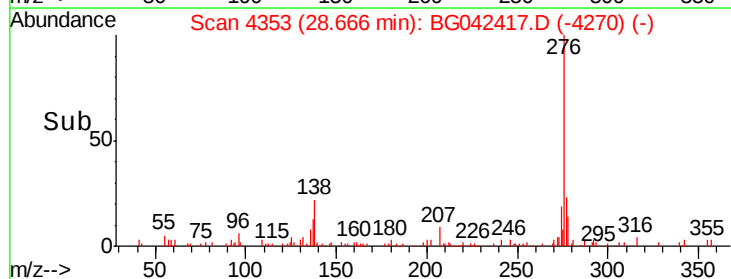
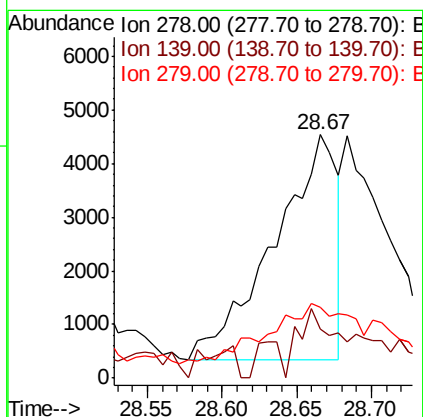
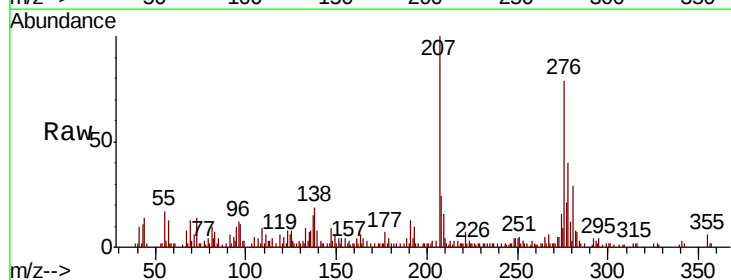
Instrument :  
BNA\_G  
ClientSampled :

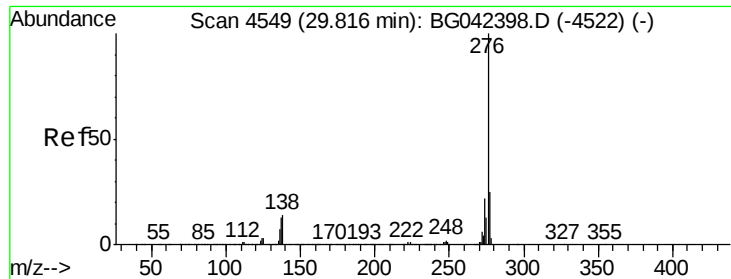
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.1  | 18.4  | 27.6  |
| 125     | 10.8  | 6.0   | 9.0   |



#91  
Dibenzo(a,h)anthracene  
Concen: 0.176 ng  
RT: 28.67 min Scan# 4353  
Delta R.T. -0.05 min  
Lab File: BG042417.D  
Acq: 23 Aug 2019 1:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 20.1  | 8.8   | 13.2  |
| 279     | 29.1  | 19.1  | 28.7  |

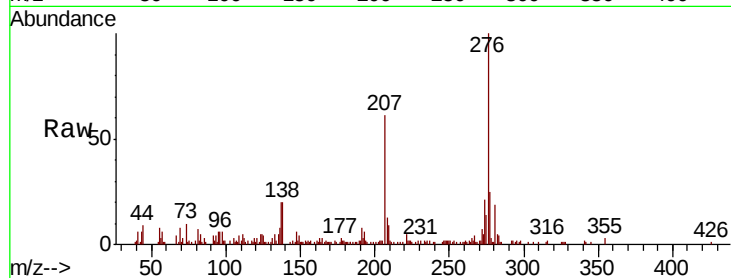




#92  
 Benzo(a,h,i)perylene  
 Concen: 1.344 ng  
 RT: 29.79 min Scan# 4544  
 Delta R.T. -0.03 min  
 Lab File: BG042417.D  
 Acq: 23 Aug 2019 1:24

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 25.3  | 19.8  | 29.8  |
| 138     | 20.4  | 11.4  | 17.0  |



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

