

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081919\  
 Data File : BG042345.D  
 Acq On : 20 Aug 2019 2:55  
 Operator : HP/JU  
 Sample : K4290-05  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Aug 20 04:27:58 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG081919.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 19 13:40:37 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.01  | 152  | 66573    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.83 | 136  | 270106   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 14.66 | 164  | 198842   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 17.41 | 188  | 450864   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.69 | 240  | 457285   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 24.93 | 264  | 536841   | 20.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.56  | 112  | 366038   | 111.40 | ng    | 0.00     |
| 7) Phenol-d6                | 7.17  | 99   | 525340   | 117.72 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.17  | 82   | 282328   | 73.52  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.16 | 330  | 293527   | 108.39 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.28 | 172  | 903753   | 76.91  | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.03 | 244  | 1544453  | 73.98  | ng    | 0.00     |

| Target Compounds               | R.T.  | QIon | Response | Conc   | Units | Qvalue |
|--------------------------------|-------|------|----------|--------|-------|--------|
| 2) 1,4-Dioxane                 | 3.42  | 88   | 317      | 0.224  | ng    | # 54   |
| 4) n-Nitrosodimethylamine      | 3.73  | 42   | 133      | 0.106  | ng    | # 1    |
| 6) Aniline                     | 7.54  | 93   | 648      | 0.110  | ng    | # 1    |
| 9) Benzaldehyde                | 7.17  | 77   | 777      | 0.310  | ng    | # 1    |
| 10) Phenol                     | 7.20  | 94   | 7062     | 1.557  | ng    | # 56   |
| 11) bis(2-Chloroethyl)ether    | 7.54  | 93   | 648      | 0.181  | ng    | # 1    |
| 15) Benzyl Alcohol             | 8.34  | 79   | 4227     | 1.377  | ng    | # 37   |
| 19) n-Nitroso-di-n-propylamine | 9.17  | 70   | 35559    | 12.389 | ng    | # 73   |
| 24) Nitrobenzene               | 9.17  | 77   | 744      | 0.190  | ng    | # 13   |
| 25) Isophorone                 | 9.51  | 82   | 114      | 0.015  | ng    | # 59   |
| 46) 1,1'-Biphenyl              | 13.50 | 154  | 1287     | 0.099  | ng    | # 95   |
| 48) 2-Nitroaniline             | 13.56 | 65   | 76       | 0.029  | ng    | # 1    |
| 50) Dimethylphthalate          | 14.11 | 163  | 201155   | 14.237 | ng    | # 99   |
| 51) 2,6-Dinitrotoluene         | 14.10 | 165  | 2211     | 0.669  | ng    | # 25   |
| 52) Acenaphthene               | 14.66 | 154  | 571      | 0.056  | ng    | # 5    |
| 57) 2,4-Dinitrotoluene         | 14.66 | 165  | 25990    | 5.621  | ng    | # 38   |
| 58) Fluorene                   | 16.16 | 166  | 11242    | 0.837  | ng    | # 92   |
| 60) Diethylphthalate           | 15.48 | 149  | 395      | 0.029  | ng    | # 55   |
| 63) Azobenzene                 | 16.16 | 77   | 761      | 0.080  | ng    | # 3    |
| 65) 4,6-Dinitro-2-methylphenol | 16.16 | 198  | 554      | 0.201  | ng    | # 1    |
| 66) n-Nitrosodiphenylamine     | 16.16 | 169  | 8456     | 0.670  | ng    | # 47   |
| 67) 4-Bromophenyl-phenylether  | 16.16 | 248  | 20254    | 3.530  | ng    | # 1    |
| 71) Phenanthrene               | 17.45 | 178  | 124      | 0.006  | ng    | # 58   |
| 72) Anthracene                 | 17.45 | 178  | 124      | 0.006  | ng    | # 59   |
| 74) Di-n-butylphthalate        | 18.38 | 149  | 1672     | 0.072  | ng    | # 76   |
| 77) Benzidine                  | 20.03 | 184  | 20686    | 1.706  | ng    | # 87   |
| 78) Pyrene                     | 20.03 | 202  | 5333     | 0.190  | ng    | # 61   |
| 80) Butylbenzylphthalate       | 20.71 | 149  | 287      | 0.026  | ng    | # 75   |
| 81) Benzo(a)anthracene         | 21.70 | 228  | 1394     | 0.050  | ng    | # 63   |
| 82) 3,3'-Dichlorobenzidine     | 21.33 | 252  | 56       | 0.005  | ng    | # 1    |
| 83) Chrysene                   | 21.70 | 228  | 1394     | 0.052  | ng    | # 60   |
| 84) Bis(2-ethylhexyl)phthalate | 21.58 | 149  | 2918     | 0.188  | ng    | # 93   |
| 85) Di-n-octyl phthalate       | 22.80 | 149  | 128      | 0.005  | ng    | # 83   |
| 88) Benzo(b)fluoranthene       | 23.92 | 252  | 71       | 0.002  | ng    | # 58   |

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Sample : K4290-05  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :

Quant Time: Aug 20 04:27:58 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG081919.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Aug 19 13:40:37 2019  
Response via : Initial Calibration

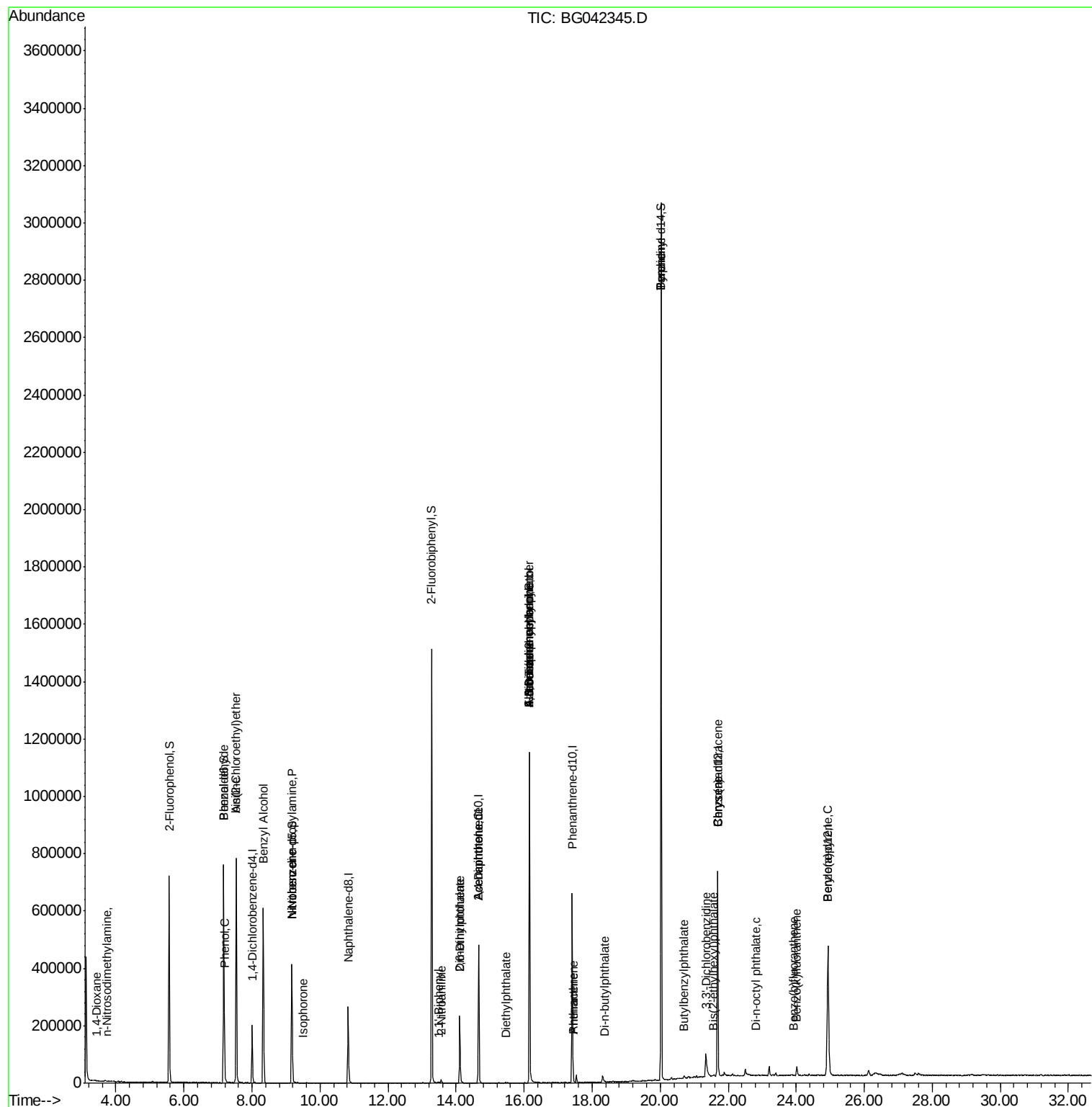
| Internal Standards       | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------|-------|------|----------|-------|-------|----------|
| 89) Benzo(k)fluoranthene | 24.02 | 252  | 55       | 0.002 | ng    | # 1      |
| 90) Benzo(a)pyrene       | 24.93 | 252  | 2171     | 0.077 | ng    | # 73     |

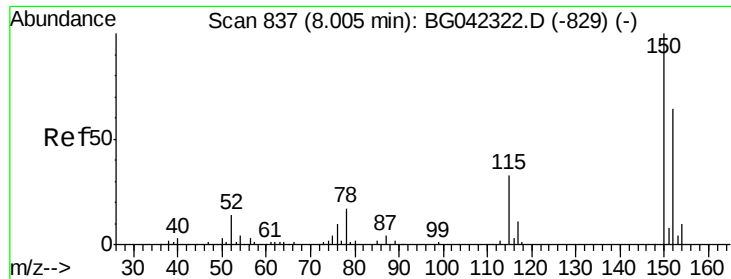
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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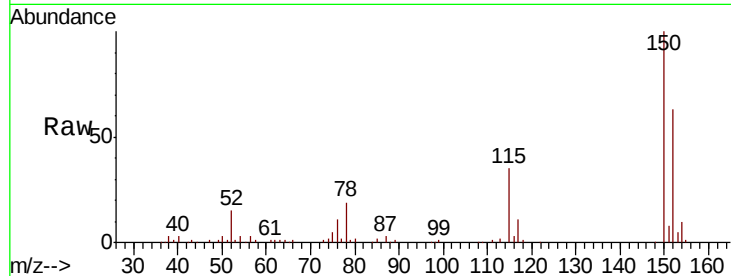


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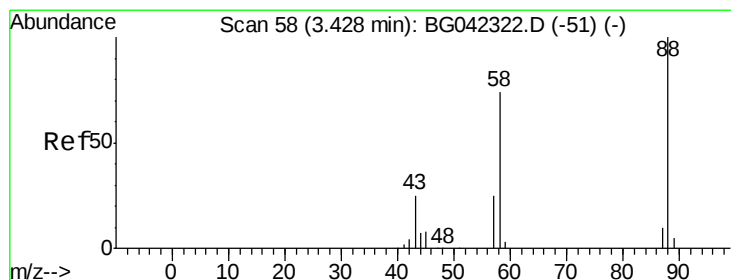
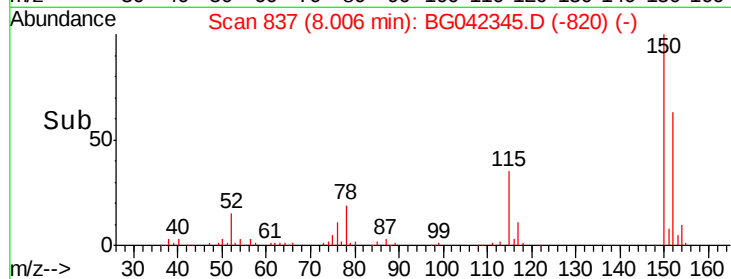
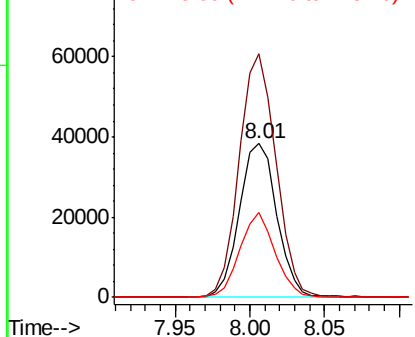
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.01 min Scan# 837  
Delta R.T. 0.00 min  
Lab File: BG042345.D  
Acq: 20 Aug 2019 2:55

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:152 Resp: 66573  
Ion Ratio Lower Upper  
152 100  
150 158.6 124.3 186.5  
115 55.0 40.5 60.7



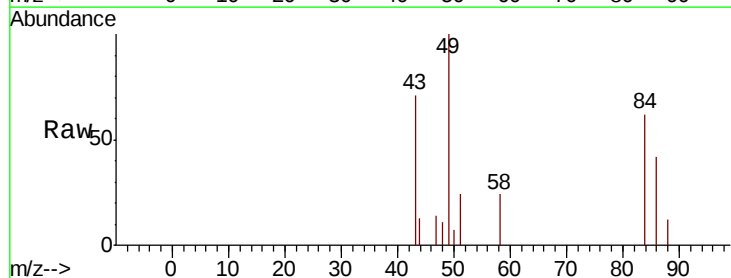
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



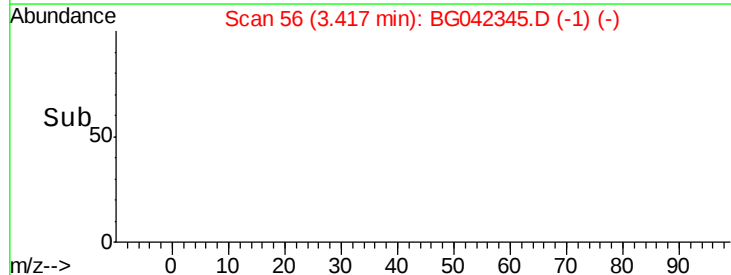
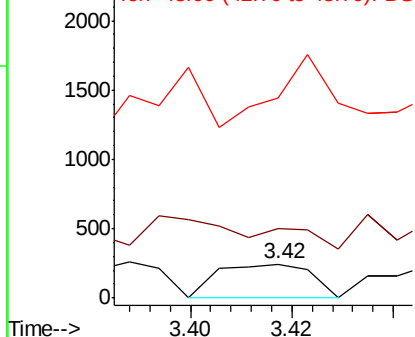
#2

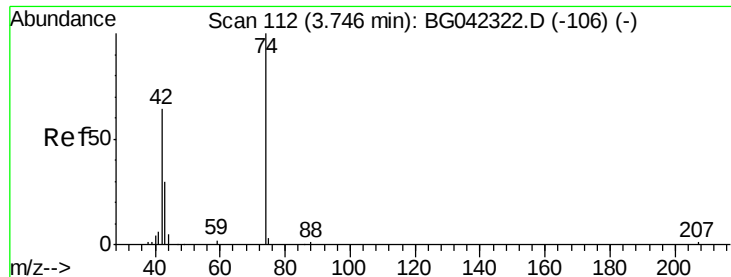
1,4-Dioxane  
Concen: 0.224 ng  
RT: 3.42 min Scan# 56  
Delta R.T. -0.01 min  
Lab File: BG042345.D  
Acq: 20 Aug 2019 2:55

Tgt Ion: 88 Resp: 317  
Ion Ratio Lower Upper  
88 100  
58 36.0 58.6 88.0#  
43 0.0 19.4 29.0#



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



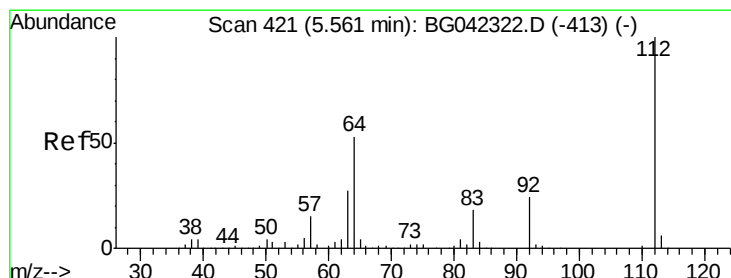
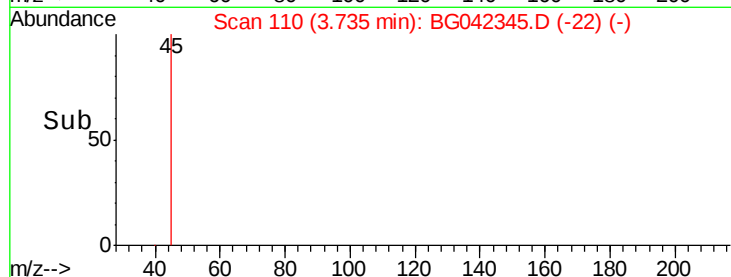
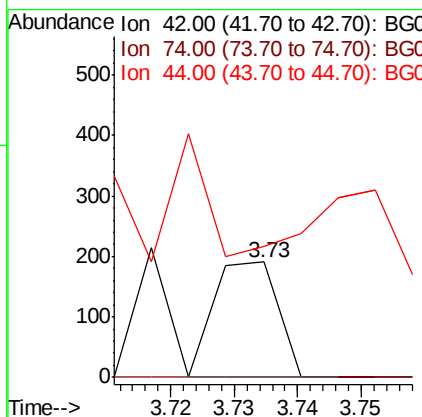
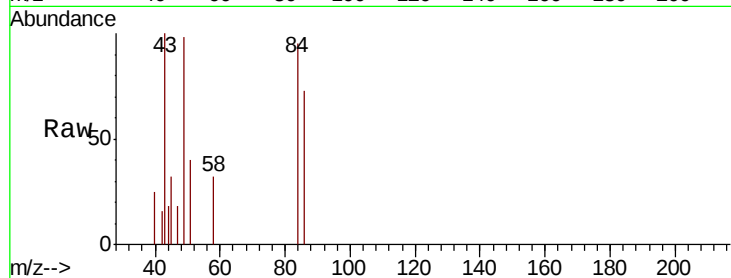


#4

n-Nitrosodimethylamine  
 Concen: 0.106 ng  
 RT: 3.73 min Scan# 110  
 Delta R.T. -0.01 min  
 Lab File: BG042345.D  
 Acq: 20 Aug 2019 2:55

Instrument :  
 BNA\_G  
 ClientSampled :

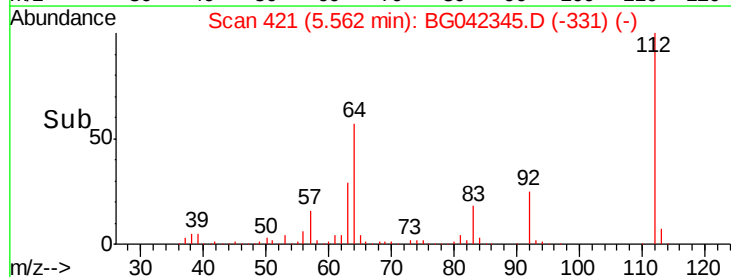
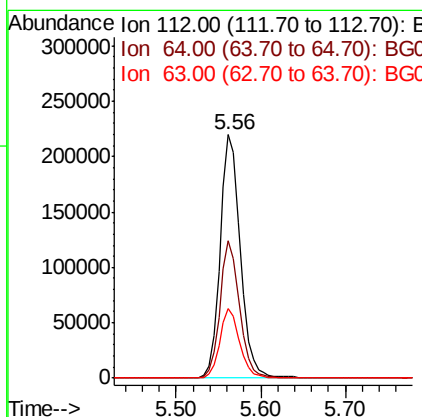
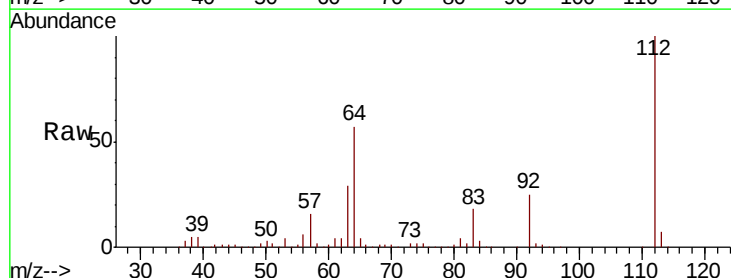
Tot Ion: 42 Resp: 133  
 Ion Ratio Lower Upper  
 42 100  
 74 0.0 124.2 186.2#  
 44 113.6 6.5 9.7#

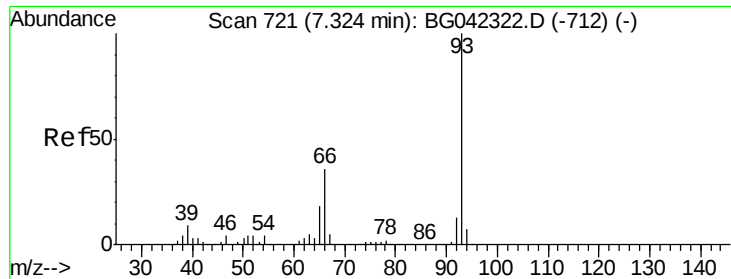


#5

2-Fluorophenol  
 Concen: 111.401 ng  
 RT: 5.56 min Scan# 421  
 Delta R.T. 0.00 min  
 Lab File: BG042345.D  
 Acq: 20 Aug 2019 2:55

Tgt Ion: 112 Resp: 366038  
 Ion Ratio Lower Upper  
 112 100  
 64 56.5 42.5 63.7  
 63 28.5 21.7 32.5





#6

Aniline

Concen: 0.110 ng

RT: 7.54 min Scan# 757

Delta R.T. 0.21 min

Lab File: BG042345.D

Acq: 20 Aug 2019 2:55

Instrument :

BNA\_G

ClientSampleId :

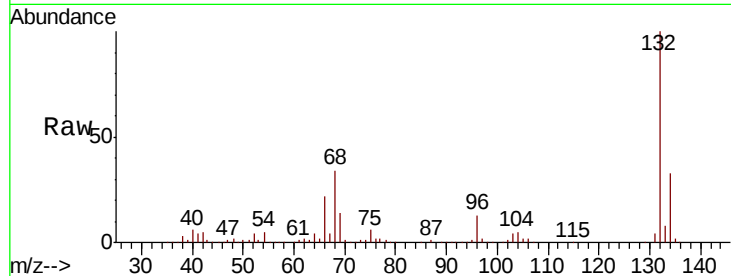
Tot Ion: 93 Resp: 648

Ion Ratio Lower Upper

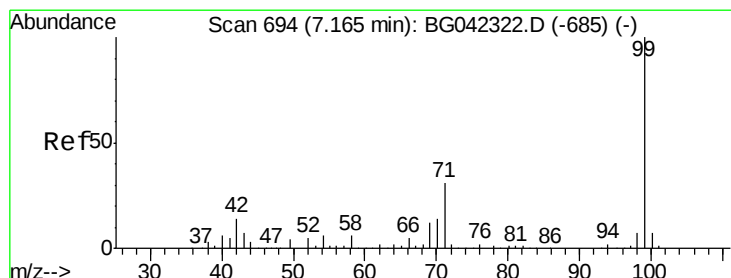
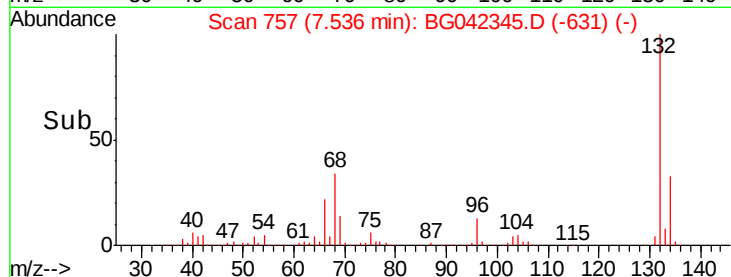
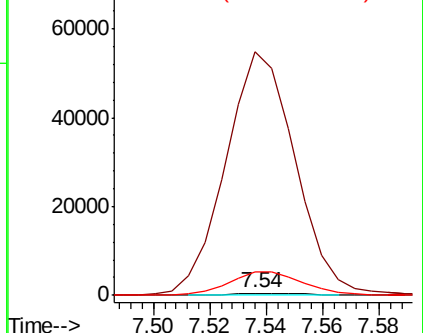
93 100

66 12690.7 29.1 43.7#

65 1217.1 14.7 22.1#



Abundance Ion 93.00 (92.70 to 93.70): BGC  
Ion 66.00 (65.70 to 66.70): BGC  
Ion 65.00 (64.70 to 65.70): BGC



#7

Phenol-d6

Concen: 117.724 ng

RT: 7.17 min Scan# 695

Delta R.T. 0.01 min

Lab File: BG042345.D

Acq: 20 Aug 2019 2:55

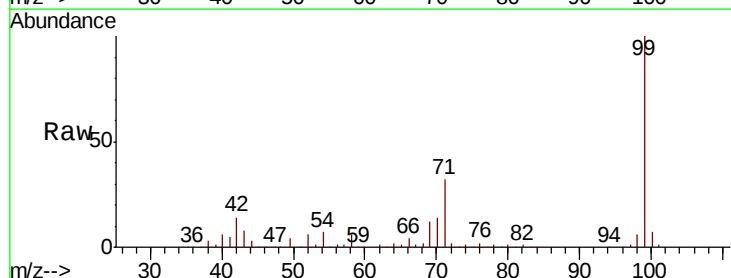
Tgt Ion: 99 Resp: 525340

Ion Ratio Lower Upper

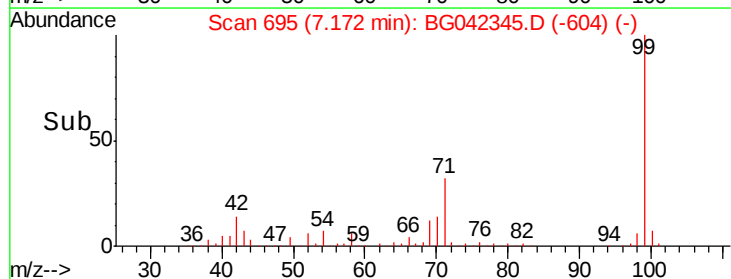
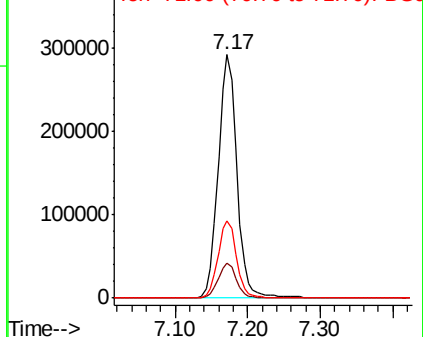
99 100

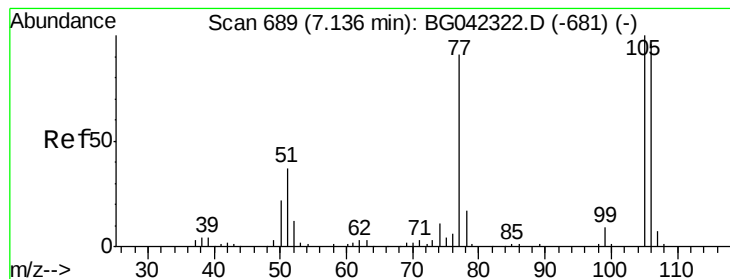
42 14.2 11.4 17.0

71 31.7 25.1 37.7



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: 0.310 ng

RT: 7.17 min Scan# 695

Delta R.T. 0.04 min

Lab File: BG042345.D

Acq: 20 Aug 2019 2:55

Instrument :

BNA\_G

ClientSampleId :

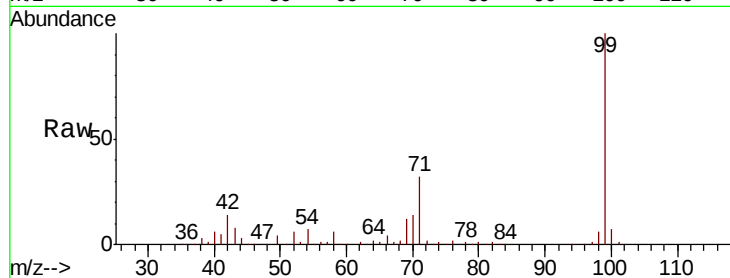
Tot Ion: 77 Resp: 777

Ion Ratio Lower Upper

77 100

105 0.0 89.8 129.8#

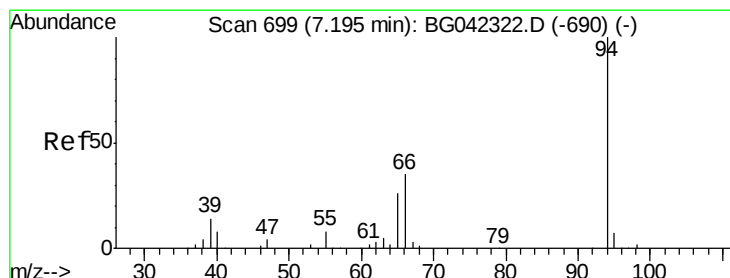
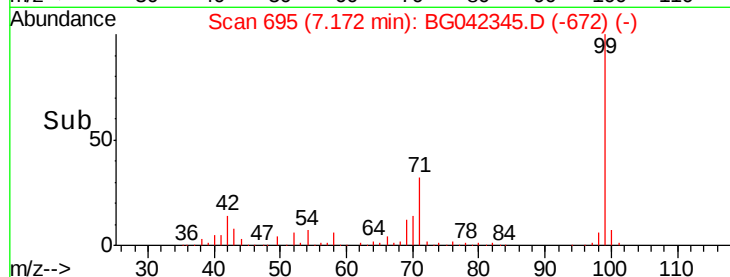
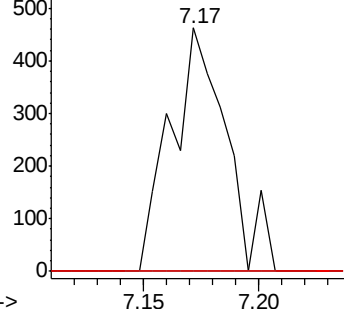
106 0.0 85.1 125.1#



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: 1.557 ng

RT: 7.20 min Scan# 699

Delta R.T. 0.00 min

Lab File: BG042345.D

Acq: 20 Aug 2019 2:55

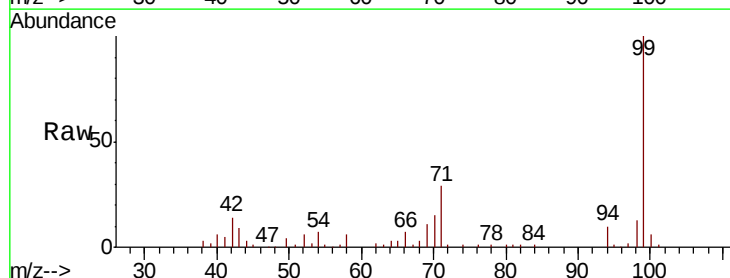
Tgt Ion: 94 Resp: 7062

Ion Ratio Lower Upper

94 100

65 34.5 6.1 46.1

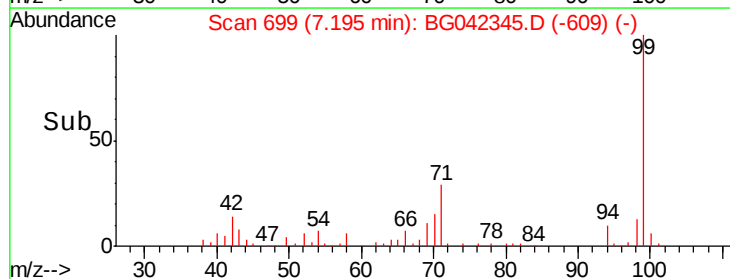
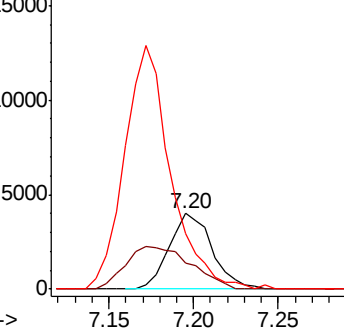
66 72.9 15.7 55.7#

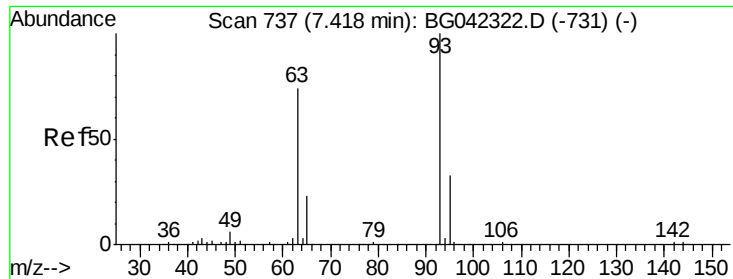


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

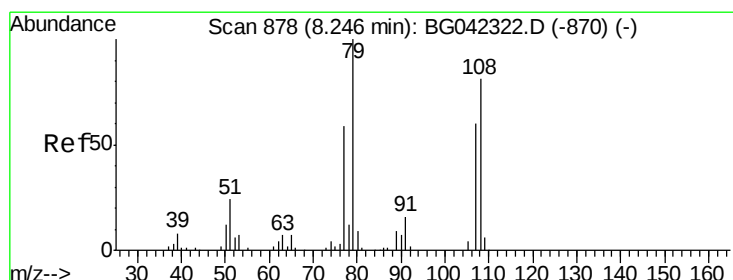
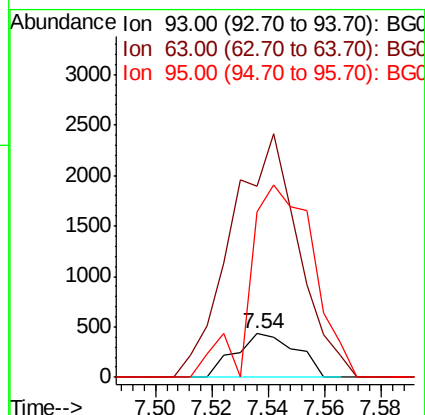
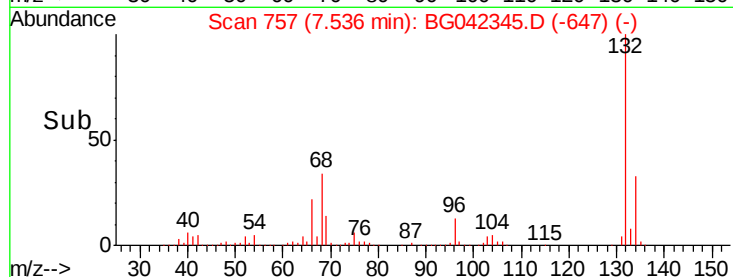
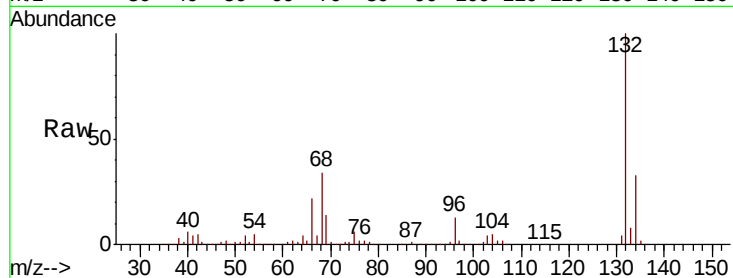




#11  
bis(2-Chloroethyl)ether  
Concen: 0.181 ng  
RT: 7.54 min Scan# 757  
Delta R.T. 0.12 min  
Lab File: BG042345.D  
Acq: 20 Aug 2019 2:55

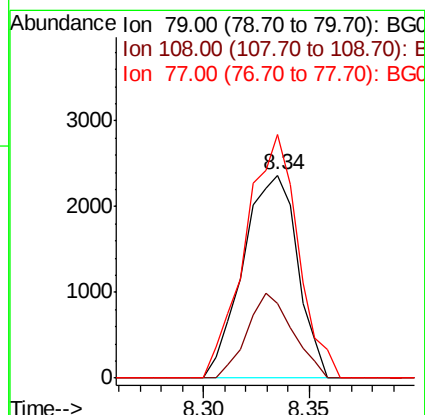
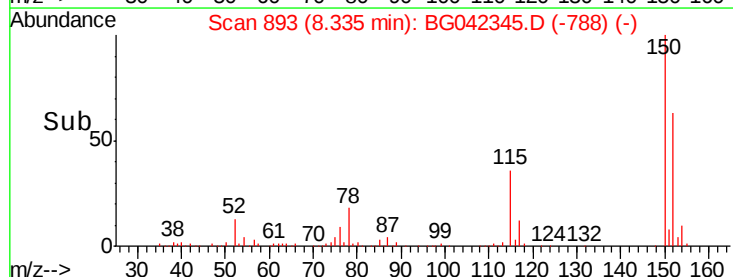
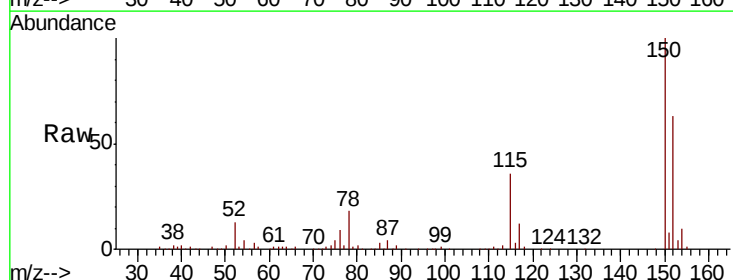
Instrument :  
BNA\_G  
ClientSampleId :

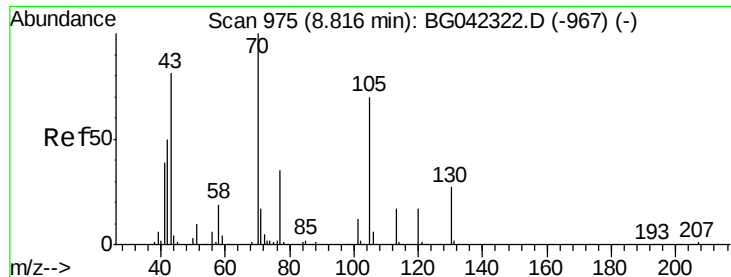
Tot Ion: 93 Resp: 648  
Ion Ratio Lower Upper  
93 100  
63 437.7 53.0 93.0#  
95 378.5 13.0 53.0#



#15  
Benzyl Alcohol  
Concen: 1.377 ng  
RT: 8.34 min Scan# 893  
Delta R.T. 0.09 min  
Lab File: BG042345.D  
Acq: 20 Aug 2019 2:55

Tgt Ion: 79 Resp: 4227  
Ion Ratio Lower Upper  
79 100  
108 36.9 64.8 97.2#  
77 120.0 47.6 71.4#

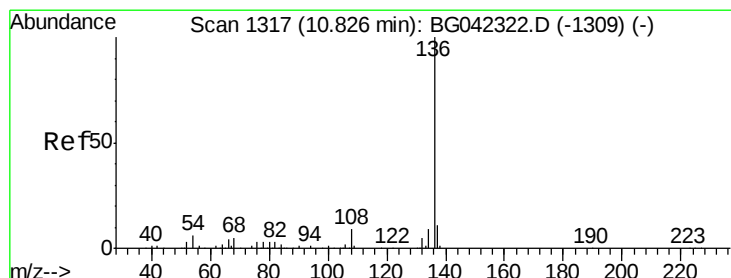
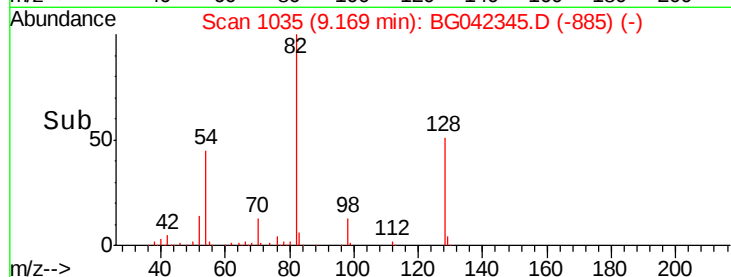
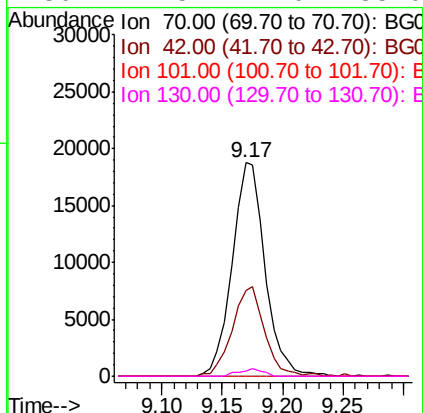
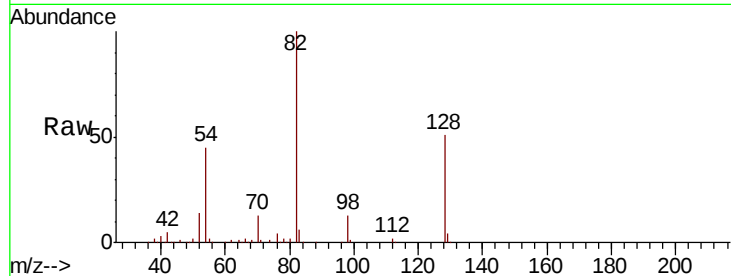




#19  
n-Nitroso-di-n-propylamine  
Concen: 12.389 ng  
RT: 9.17 min Scan# 1035  
Delta R.T. 0.35 min  
Lab File: BG042345.D  
Acq: 20 Aug 2019 2:55

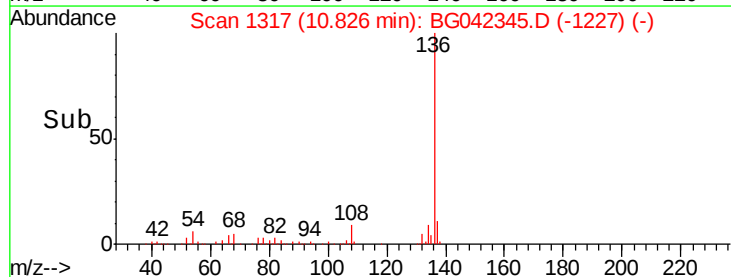
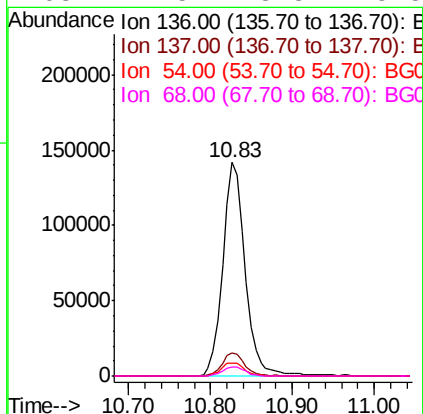
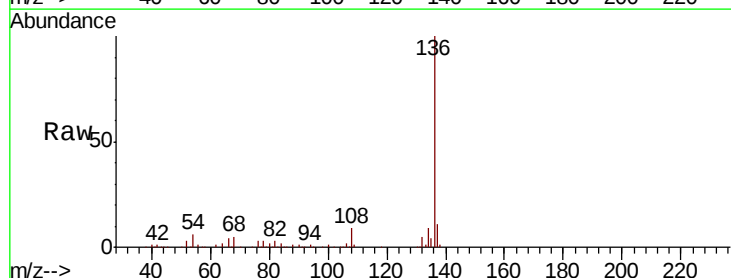
Instrument :  
BNA\_G  
ClientSampleId :

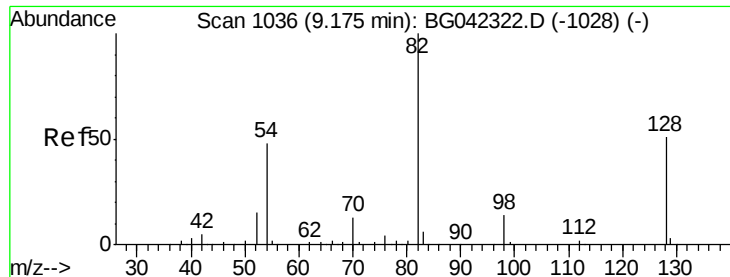
Tot Ion: 70 Resp: 35559  
Ion Ratio Lower Upper  
70 100  
42 40.2 40.5 60.7#  
101 0.0 9.3 13.9#  
130 2.5 22.0 33.0#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.83 min Scan# 1317  
Delta R.T. 0.00 min  
Lab File: BG042345.D  
Acq: 20 Aug 2019 2:55

Tgt Ion: 136 Resp: 270106  
Ion Ratio Lower Upper  
136 100  
137 10.8 8.4 12.6  
54 6.2 5.0 7.4  
68 4.5 3.8 5.8

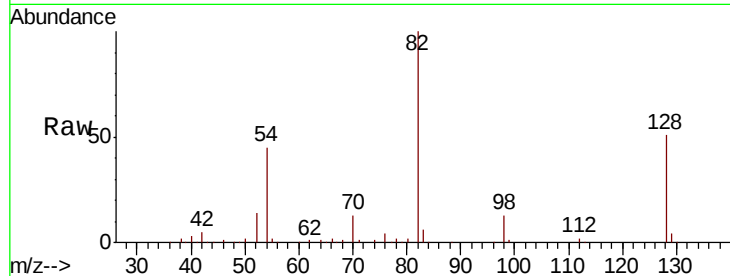




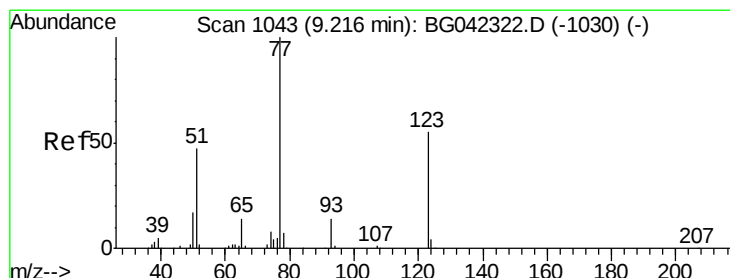
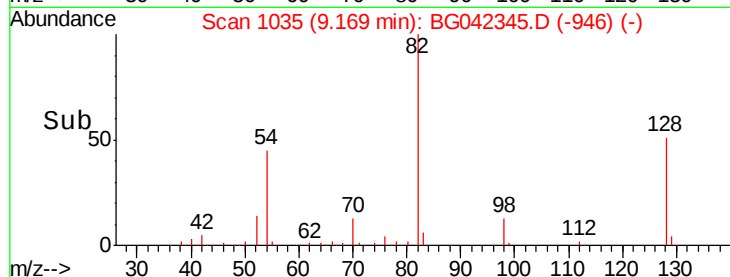
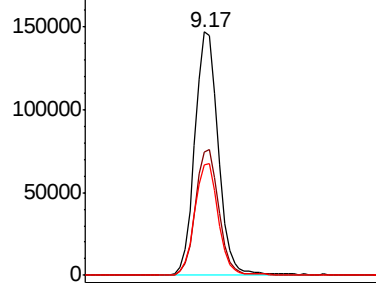
#23  
 Nitrobenzene-d5  
 Concen: 73.515 ng  
 RT: 9.17 min Scan# 1035  
 Delta R.T. -0.01 min  
 Lab File: BG042345.D  
 Acq: 20 Aug 2019 2:55

Instrument :  
 BNA\_G  
 ClientSampled :

| Tot Ion   | 82   | Resp  | 282328 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 50.7 | 41.0  | 61.4   |
| 54        | 45.4 | 38.0  | 57.0   |

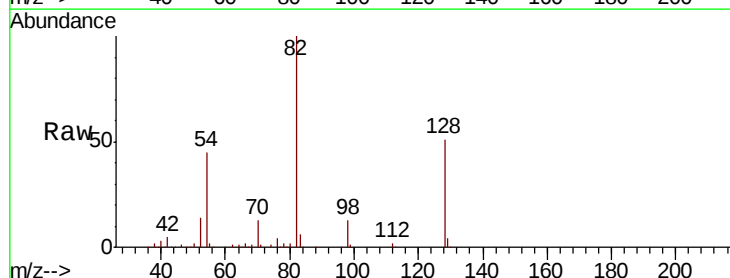


Abundance Ion 82.00 (81.70 to 82.70): BGC  
 Ion 128.00 (127.70 to 128.70): BGC  
 Ion 54.00 (53.70 to 54.70): BGC

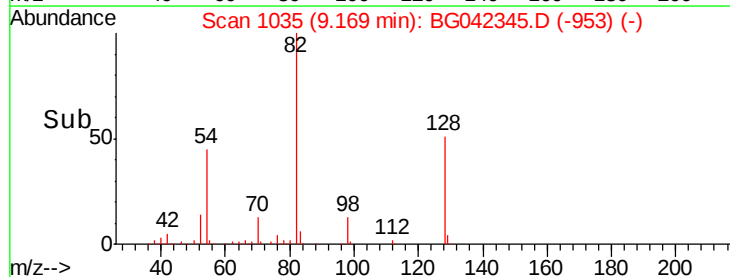
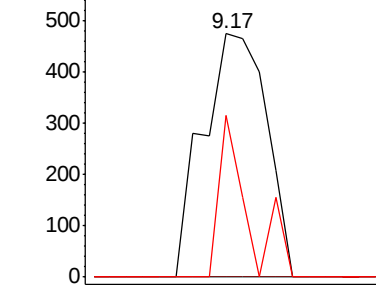


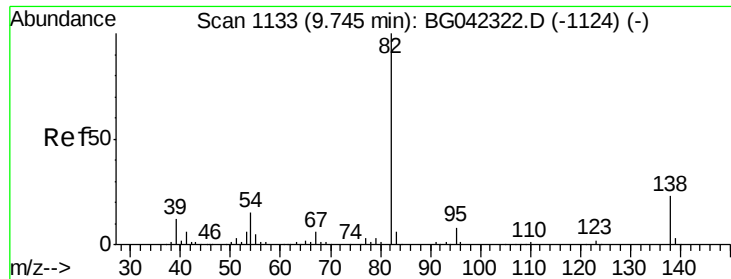
#24  
 Nitrobenzene  
 Concen: 0.190 ng  
 RT: 9.17 min Scan# 1035  
 Delta R.T. -0.05 min  
 Lab File: BG042345.D  
 Acq: 20 Aug 2019 2:55

| Tgt Ion   | 77   | Resp  | 744   |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 123       | 0.0  | 43.7  | 65.5# |
| 65        | 66.2 | 10.9  | 16.3# |



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: 0.015 ng

RT: 9.51 min Scan# 1093

Delta R.T. -0.23 min

Lab File: BG042345.D

Acq: 20 Aug 2019 2:55

Instrument :

BNA\_G

ClientSampleId :

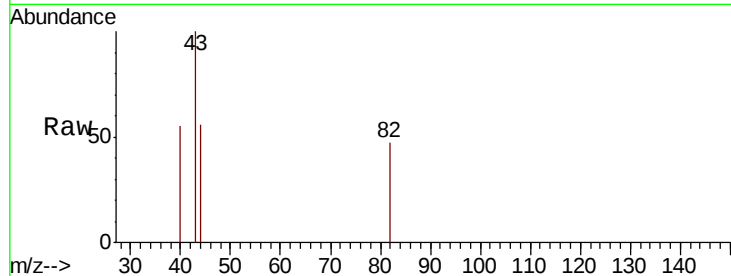
Tot Ion: 82 Resp: 114

Ion Ratio Lower Upper

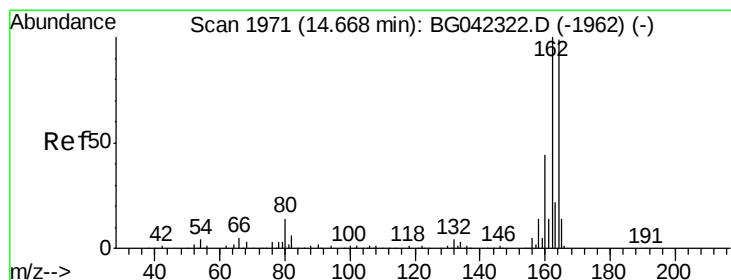
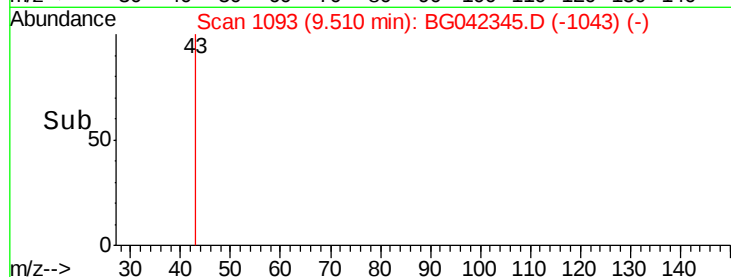
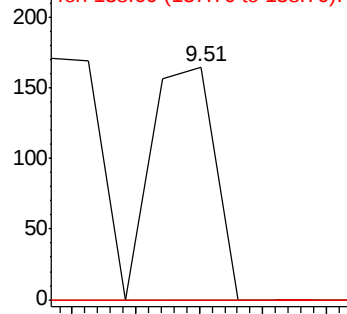
82 100

95 0.0 6.1 9.1#

138 0.0 18.2 27.2#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1970

Delta R.T. -0.01 min

Lab File: BG042345.D

Acq: 20 Aug 2019 2:55

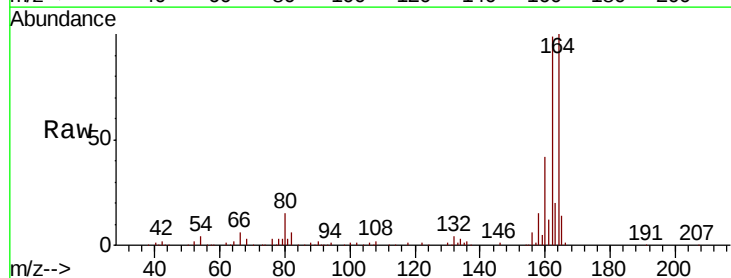
Tgt Ion: 164 Resp: 198842

Ion Ratio Lower Upper

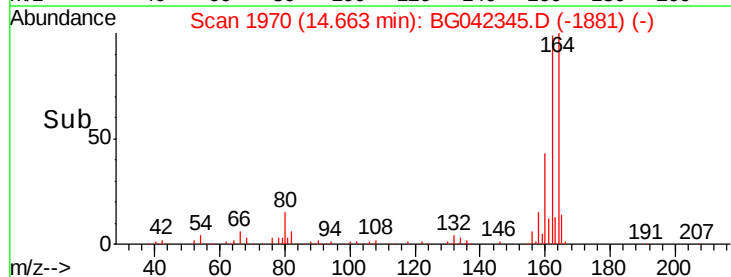
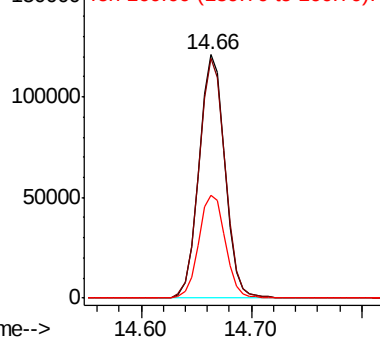
164 100

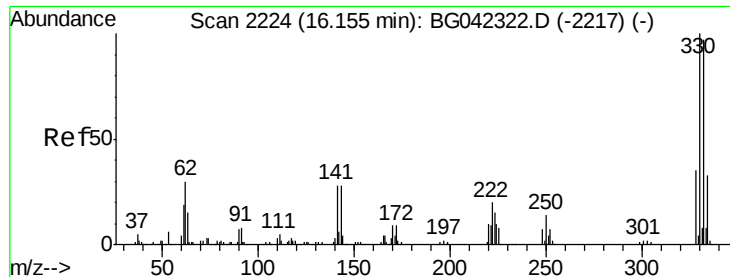
162 98.6 80.6 120.8

160 42.3 35.7 53.5



Abundance Ion 164.00 (163.70 to 164.70): BGC  
Ion 162.00 (161.70 to 162.70): BGC  
Ion 160.00 (159.70 to 160.70): BGC





#42

2,4,6-Tribromophenol

Concen: 108.385 ng

RT: 16.16 min Scan# 2224

Delta R.T. 0.00 min

Lab File: BG042345.D

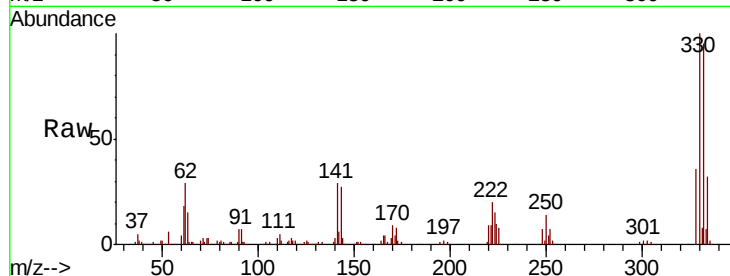
Acq: 20 Aug 2019 2:55

Instrument :

BNA\_G

ClientSampleId :

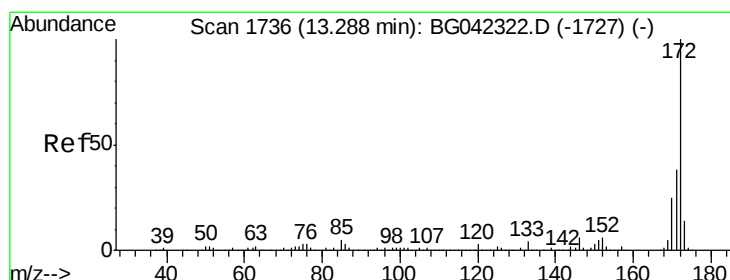
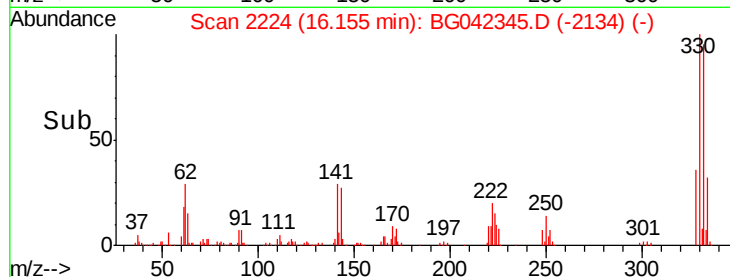
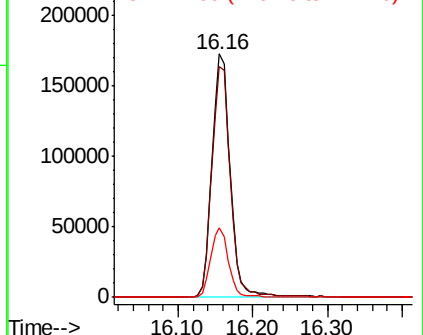
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 330   | Resp: | 293527 |
| Ion Ratio | Lower | Upper |        |
| 330       | 100   |       |        |
| 332       | 95.9  | 76.9  | 115.3  |
| 141       | 28.0  | 21.8  | 32.6   |



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: 76.910 ng

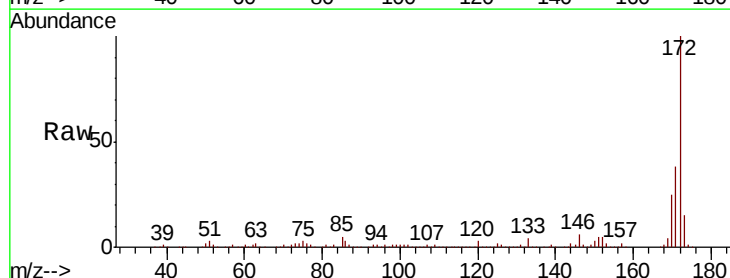
RT: 13.28 min Scan# 1735

Delta R.T. -0.01 min

Lab File: BG042345.D

Acq: 20 Aug 2019 2:55

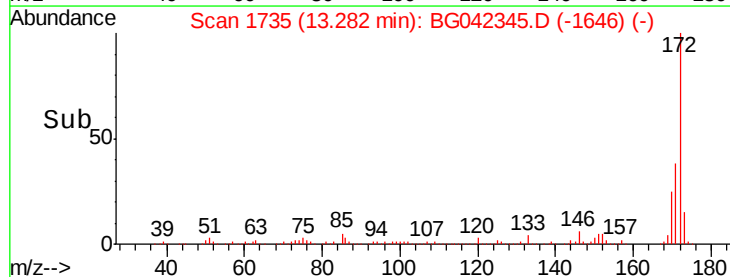
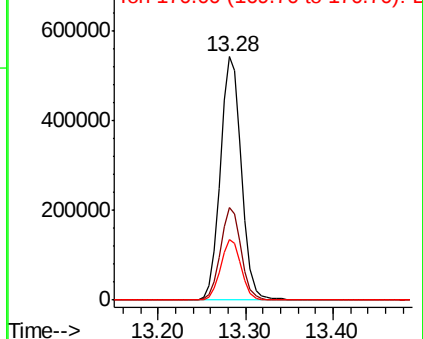
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 172   | Resp: | 903753 |
| Ion Ratio | Lower | Upper |        |
| 172       | 100   |       |        |
| 171       | 38.1  | 30.3  | 45.5   |
| 170       | 24.9  | 20.0  | 30.0   |

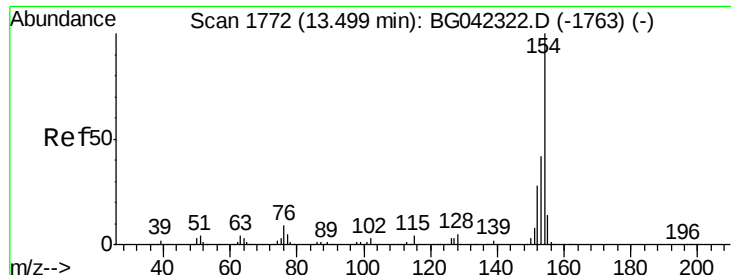


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

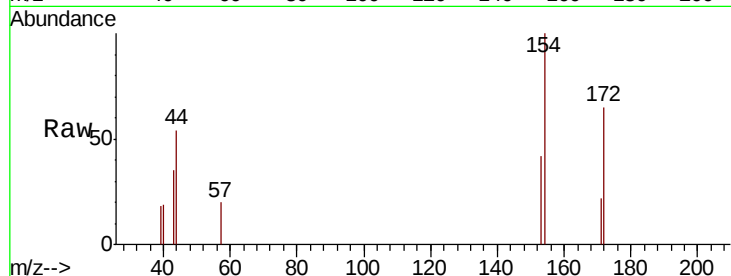




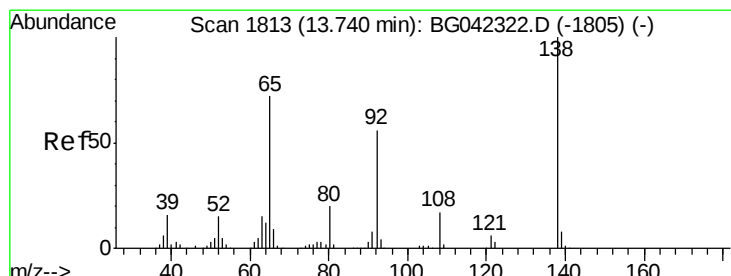
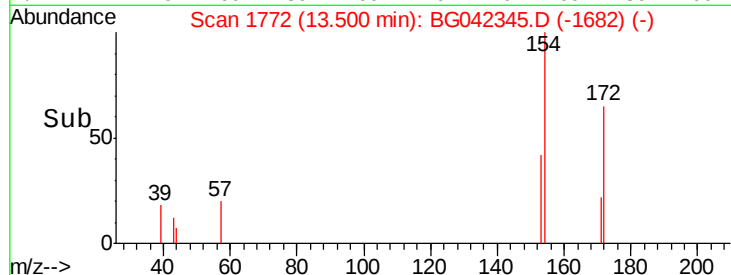
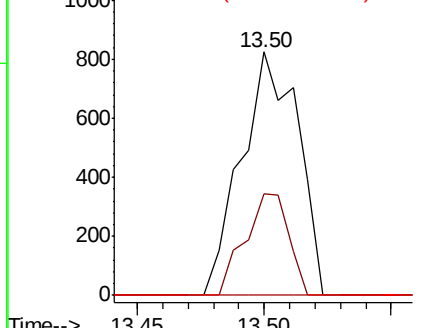
#46  
 1,1'-Biphenyl  
 Concen: 0.099 ng  
 RT: 13.50 min Scan# 1772  
 Delta R.T. 0.00 min  
 Lab File: BG042345.D  
 Acq: 20 Aug 2019 2:55

Instrument :  
 BNA\_G  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 41.9  | 21.9  | 61.9  |
| 76      | 0.0   | 0.0   | 29.3  |

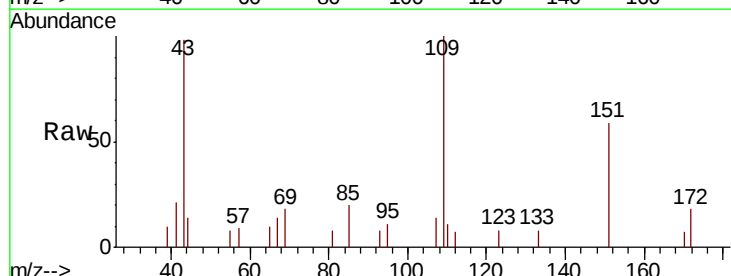


Abundance Ion 154.00 (153.70 to 154.70): E  
 Ion 153.00 (152.70 to 153.70): E  
 Ion 76.00 (75.70 to 76.70): BGC

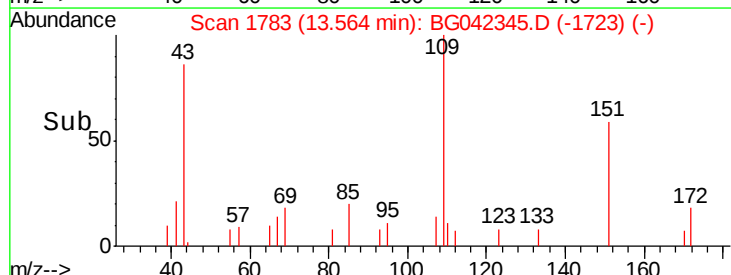
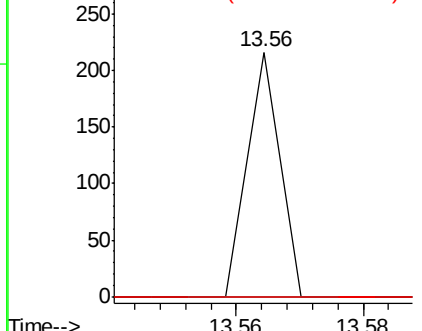


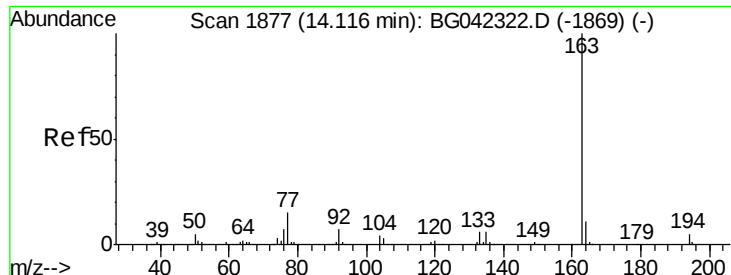
#48  
 2-Nitroaniline  
 Concen: 0.029 ng  
 RT: 13.56 min Scan# 1783  
 Delta R.T. -0.18 min  
 Lab File: BG042345.D  
 Acq: 20 Aug 2019 2:55

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 65      | 100   |       |        |
| 92      | 0.0   | 62.6  | 94.0#  |
| 138     | 0.0   | 111.5 | 167.3# |



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

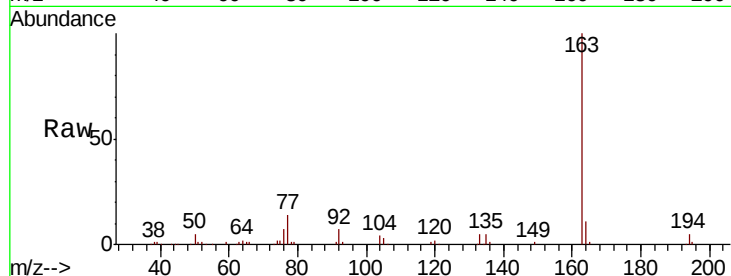




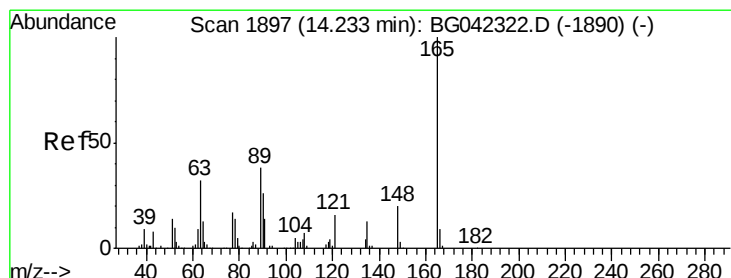
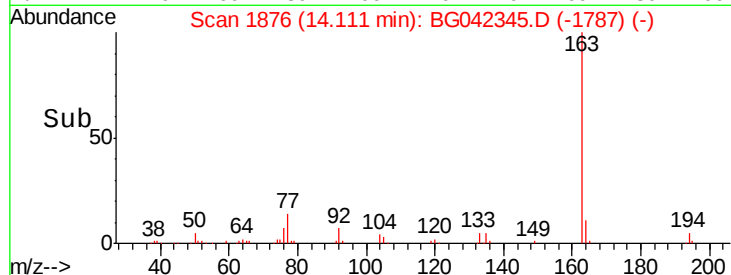
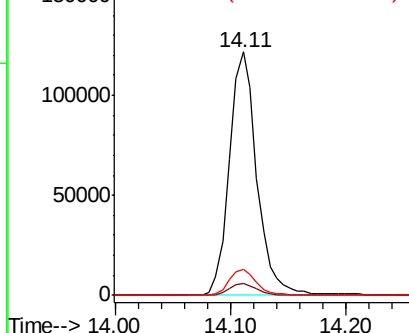
#50  
Dimethylphthalate  
Concen: 14.237 ng  
RT: 14.11 min Scan# 1876  
Delta R.T. -0.01 min  
Lab File: BG042345.D  
Acq: 20 Aug 2019 2:55

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:163 Resp: 201155  
Ion Ratio Lower Upper  
163 100  
194 5.0 4.2 6.2  
164 10.5 8.8 13.2

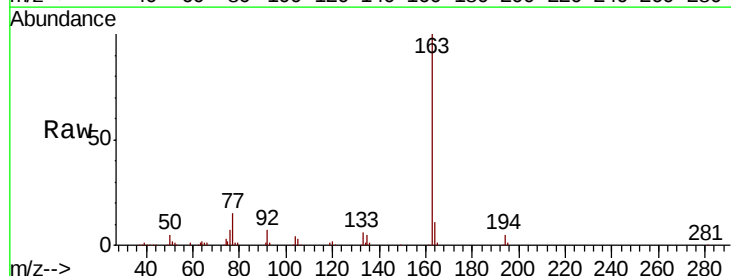


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

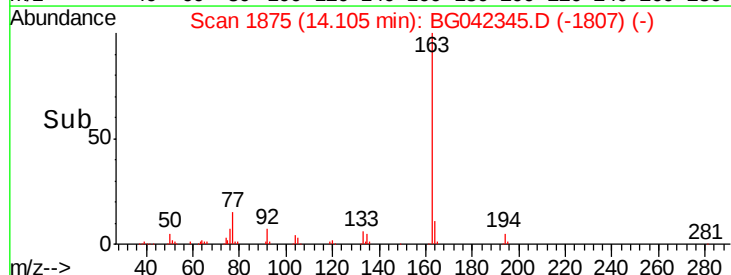
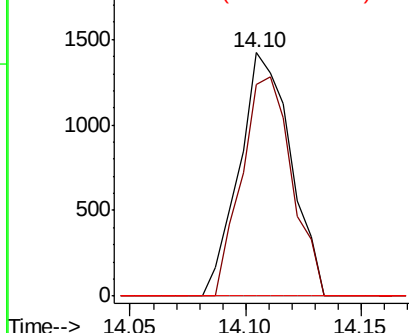


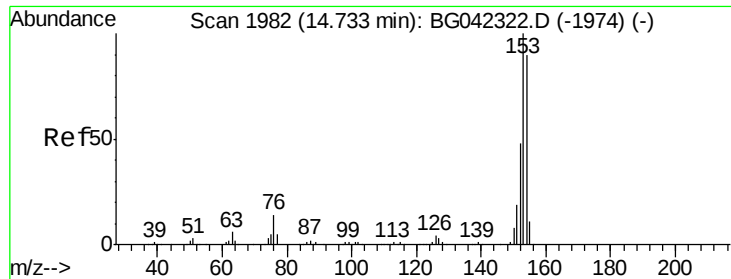
#51  
2,6-Dinitrotoluene  
Concen: 0.669 ng  
RT: 14.10 min Scan# 1875  
Delta R.T. -0.13 min  
Lab File: BG042345.D  
Acq: 20 Aug 2019 2:55

Tgt Ion:165 Resp: 2211  
Ion Ratio Lower Upper  
165 100  
63 86.6 28.2 42.2#  
89 0.0 30.0 45.0#



Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BGC  
Ion 89.00 (88.70 to 89.70): BGC





#52

Acenaphthene

Concen: 0.056 ng

RT: 14.66 min Scan# 1970

Delta R.T. -0.07 min

Lab File: BG042345.D

Acq: 20 Aug 2019 2:55

Instrument :

BNA\_G

ClientSampleId :

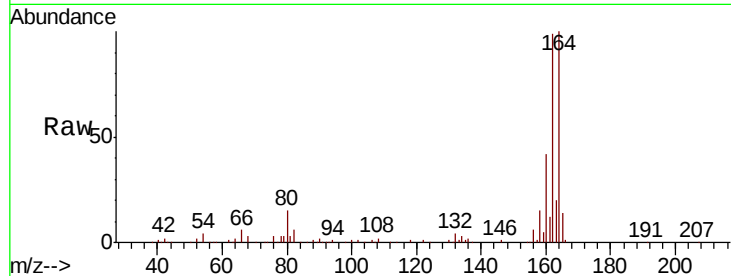
Tot Ion:154 Resp: 571

Ion Ratio Lower Upper

154 100

153 0.0 89.4 134.0#

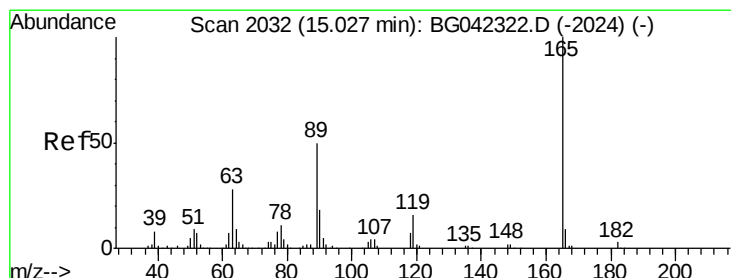
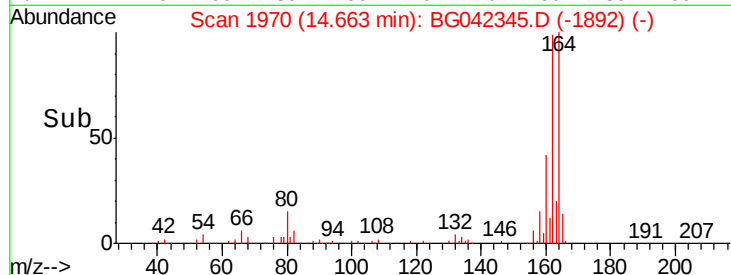
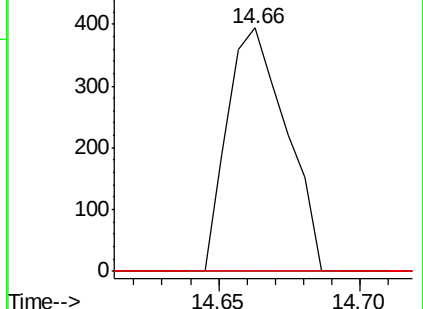
152 0.0 43.1 64.7#



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



#57

2,4-Dinitrotoluene

Concen: 5.621 ng

RT: 14.66 min Scan# 1970

Delta R.T. -0.36 min

Lab File: BG042345.D

Acq: 20 Aug 2019 2:55

Tgt Ion:165 Resp: 25990

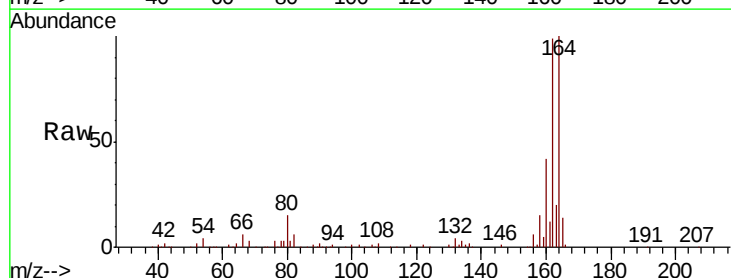
Ion Ratio Lower Upper

165 100

63 1.1 22.4 33.6#

89 1.2 40.2 60.2#

182 0.0 2.6 3.8#

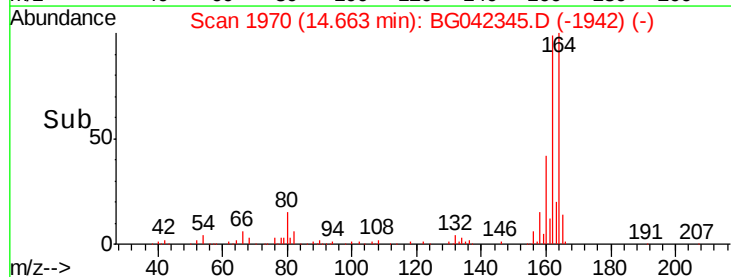
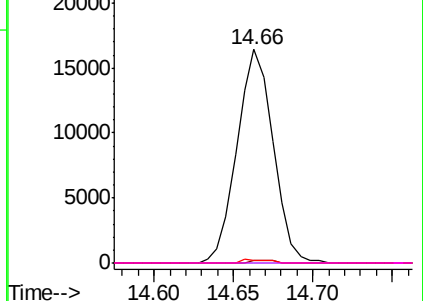


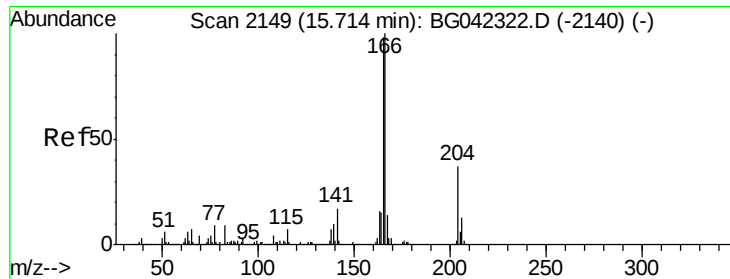
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E





#58

Fluorene

Concen: 0.837 ng

RT: 16.16 min Scan# 2224

Delta R.T. 0.44 min

Lab File: BG042345.D

Acq: 20 Aug 2019 2:55

Instrument :

BNA\_G

ClientSampleId :

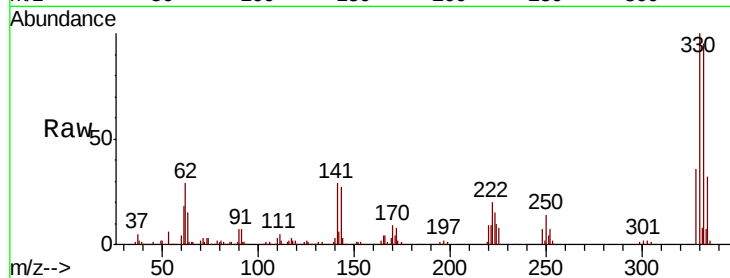
Tot Ion:166 Resp: 11242

Ion Ratio Lower Upper

166 100

165 100.9 78.7 118.1

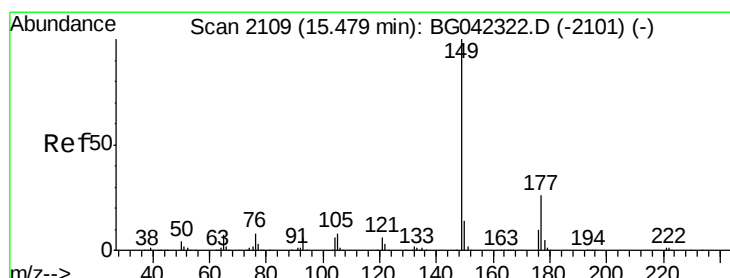
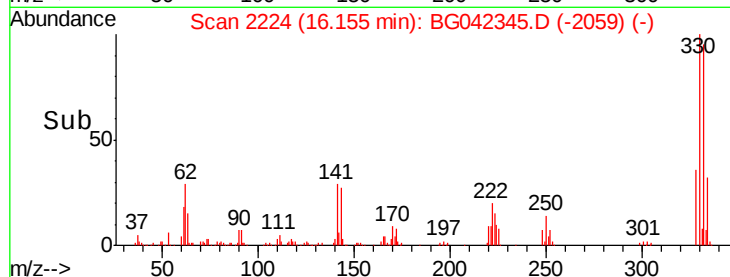
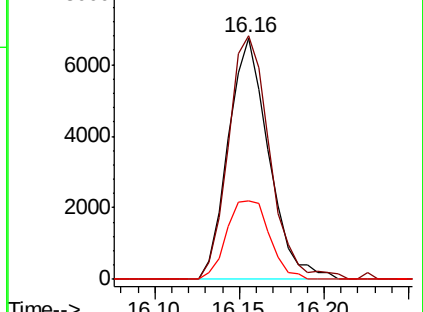
167 32.7 11.1 16.7#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#60

Diethylphthalate

Concen: 0.029 ng

RT: 15.48 min Scan# 2109

Delta R.T. 0.00 min

Lab File: BG042345.D

Acq: 20 Aug 2019 2:55

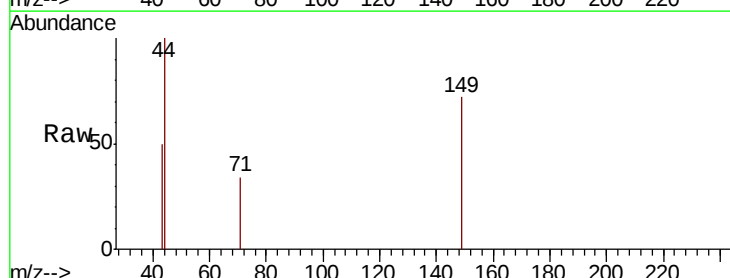
Tgt Ion:149 Resp: 395

Ion Ratio Lower Upper

149 100

177 0.0 20.7 31.1#

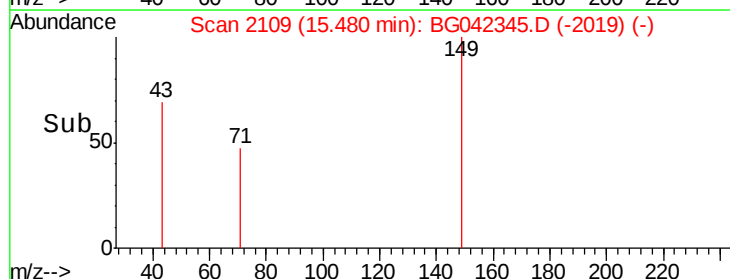
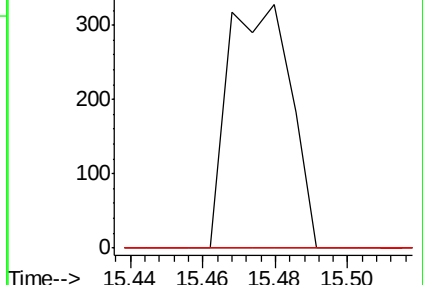
150 0.0 11.0 16.4#

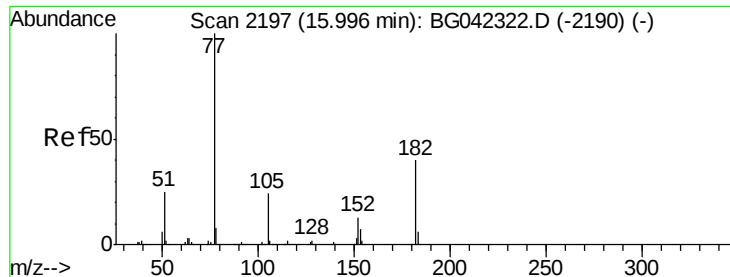


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

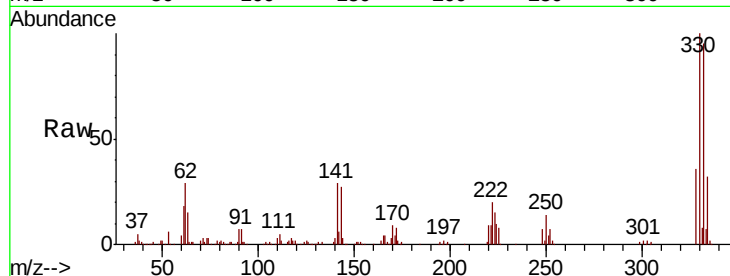




#63  
Azobenzene  
Concen: 0.080 ng  
RT: 16.16 min Scan# 2224  
Delta R.T. 0.16 min  
Lab File: BG042345.D  
Acq: 20 Aug 2019 2:55

Instrument :  
BNA\_G  
ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 77    | Resp: | 761   |
| Ion      | Ratio | Lower | Upper |
| 77       | 100   |       |       |
| 182      | 0.0   | 19.7  | 59.7# |
| 105      | 88.9  | 3.5   | 43.5# |
| 51       | 83.6  | 5.4   | 45.4# |



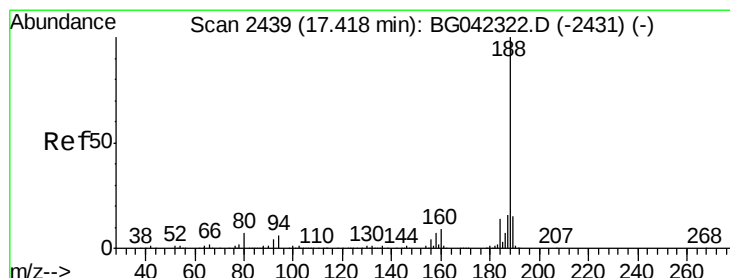
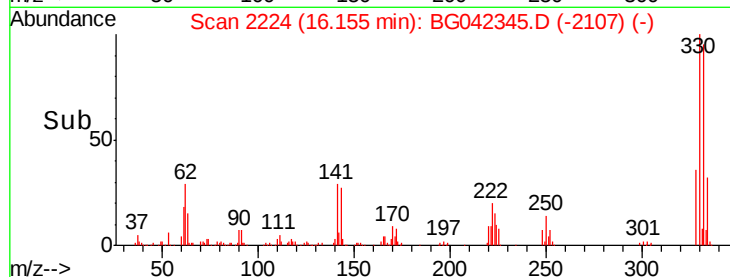
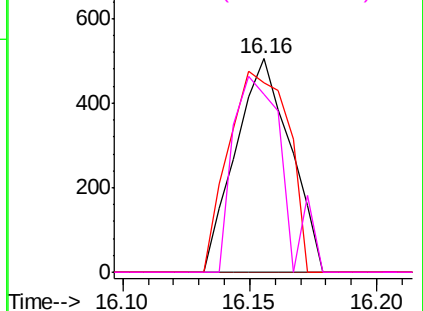
Abundance

Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): BGC

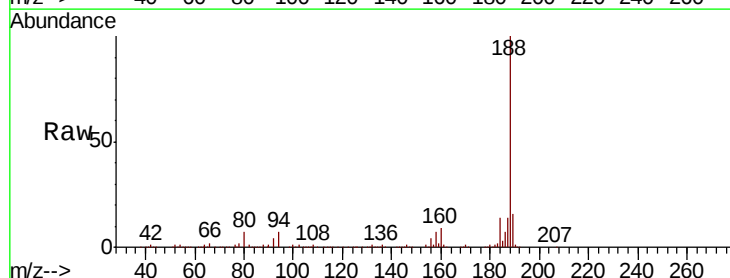
Ion 105.00 (104.70 to 105.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.41 min Scan# 2438  
Delta R.T. -0.01 min  
Lab File: BG042345.D  
Acq: 20 Aug 2019 2:55

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 188   | Resp: | 450864 |
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 6.8   | 4.9   | 7.3    |
| 80       | 7.4   | 5.4   | 8.0    |

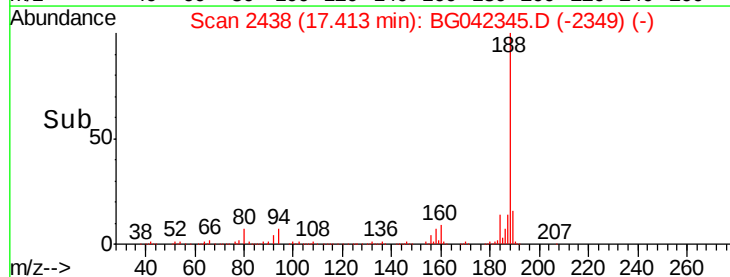
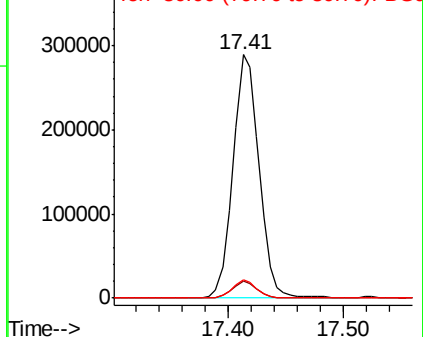


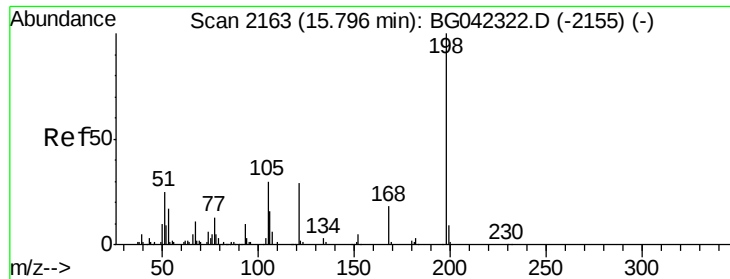
Abundance

Ion 188.00 (187.70 to 188.70): BGC

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#65

4,6-Dinitro-2-methylphenol

Concen: 0.201 ng

RT: 16.16 min Scan# 2225

Delta R.T. 0.36 min

Lab File: BG042345.D

Acq: 20 Aug 2019 2:55

Instrument :

BNA\_G

ClientSampleId :

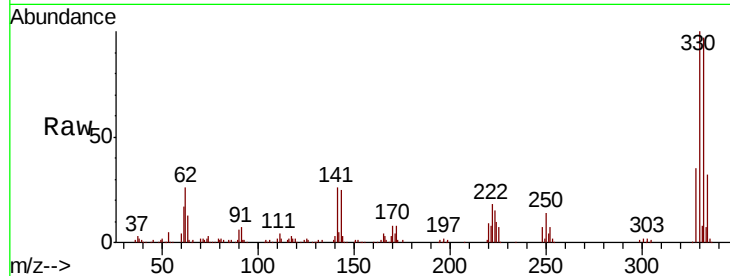
Tot Ion:198 Resp: 554

Ion Ratio Lower Upper

198 100

51 81.9 6.4 46.4#

105 92.5 10.0 50.0#



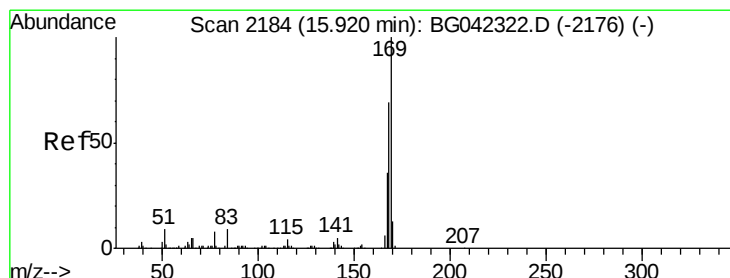
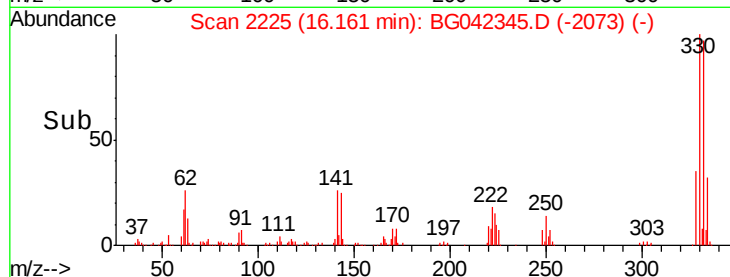
Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

Time-->

16.15



#66

n-Nitrosodiphenylamine

Concen: 0.670 ng

RT: 16.16 min Scan# 2224

Delta R.T. 0.24 min

Lab File: BG042345.D

Acq: 20 Aug 2019 2:55

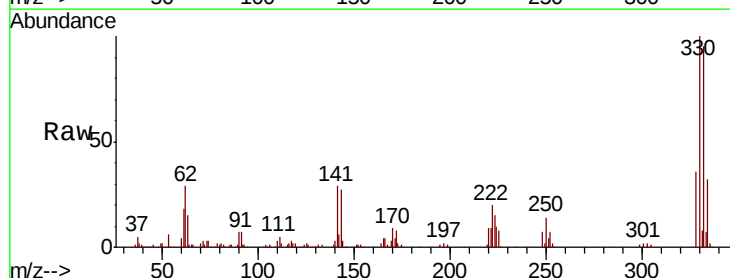
Tgt Ion:169 Resp: 8456

Ion Ratio Lower Upper

169 100

168 7.4 55.5 83.3#

167 41.6 28.9 43.3



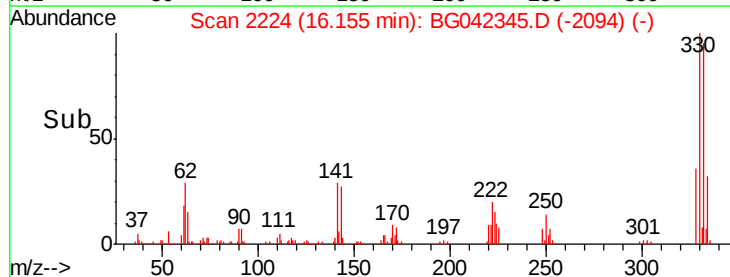
Abundance Ion 169.00 (168.70 to 169.70): E

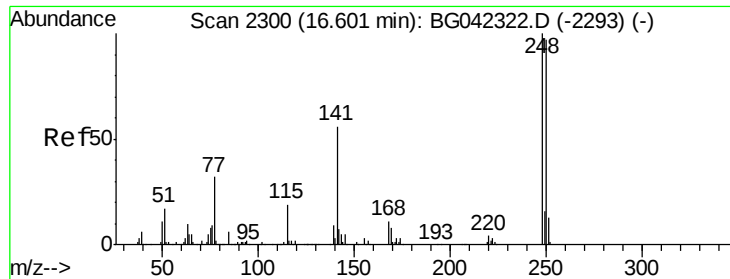
Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

Time-->

16.15

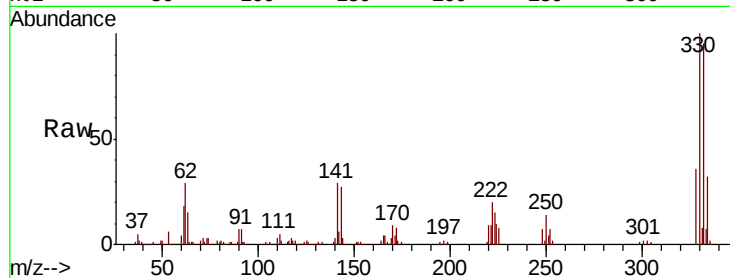




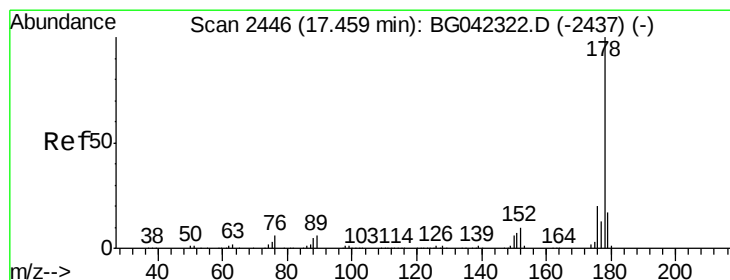
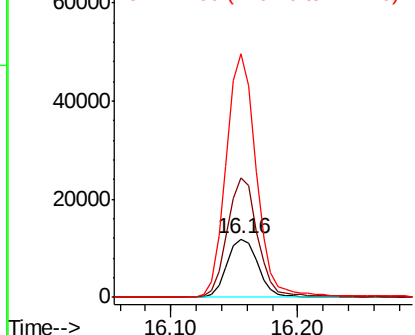
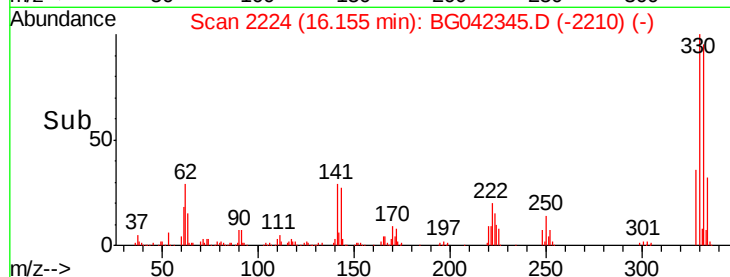
#67  
 4-Bromophenyl-phenylether  
 Concen: 3.530 ng  
 RT: 16.16 min Scan# 2224  
 Delta R.T. -0.45 min  
 Lab File: BG042345.D  
 Acq: 20 Aug 2019 2:55

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:248 Resp: 20254  
 Ion Ratio Lower Upper  
 248 100  
 250 205.3 78.0 117.0#  
 141 417.1 44.9 67.3#

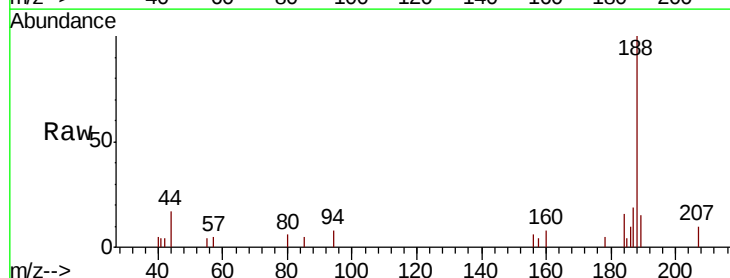


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

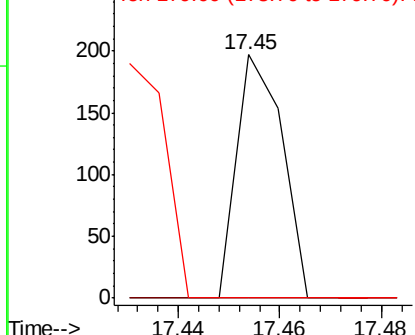
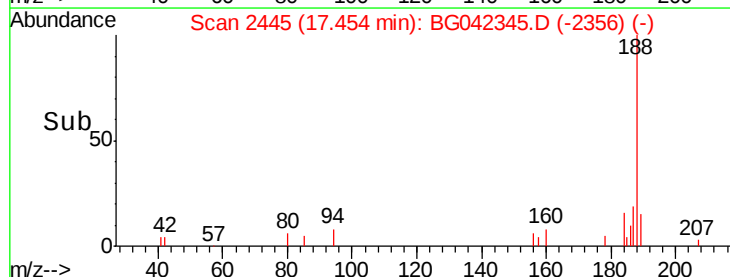


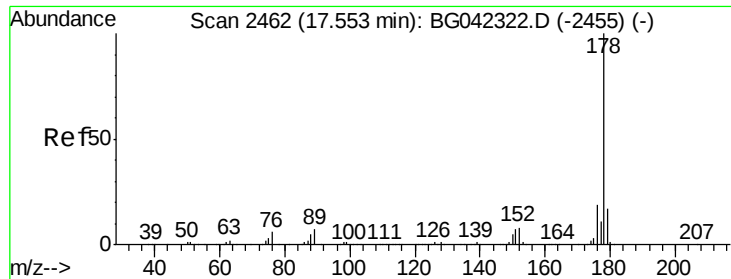
#71  
 Phenanthrene  
 Concen: 0.006 ng  
 RT: 17.45 min Scan# 2445  
 Delta R.T. -0.01 min  
 Lab File: BG042345.D  
 Acq: 20 Aug 2019 2:55

Tgt Ion:178 Resp: 124  
 Ion Ratio Lower Upper  
 178 100  
 176 0.0 16.2 24.4#  
 179 0.0 13.7 20.5#



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





#72

Anthracene

Concen: 0.006 ng

RT: 17.45 min Scan# 2445

Delta R.T. -0.10 min

Lab File: BG042345.D

Acq: 20 Aug 2019 2:55

Instrument :

BNA\_G

ClientSampled :

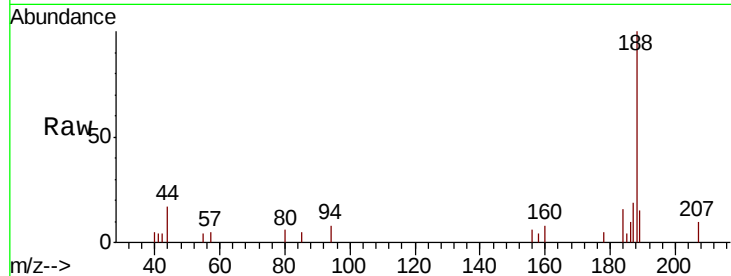
Tot Ion:178 Resp: 124

Ion Ratio Lower Upper

178 100

176 0.0 15.5 23.3#

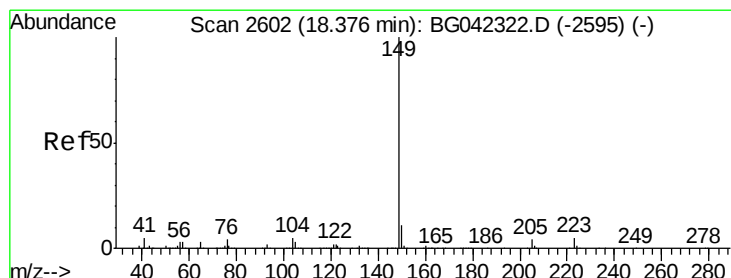
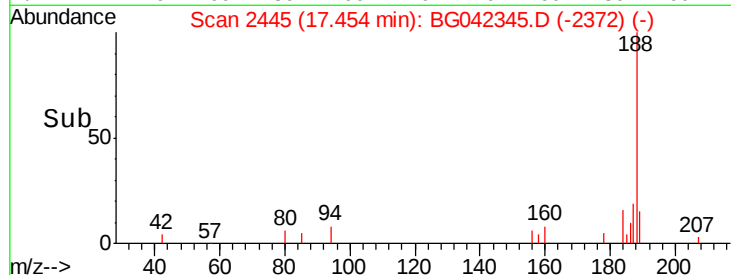
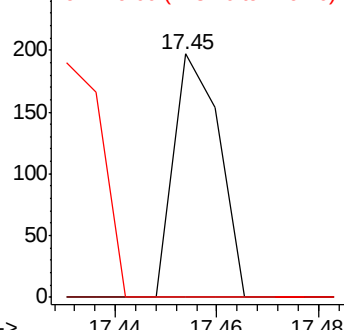
179 0.0 13.6 20.4#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Di-n-butylphthalate

Concen: 0.072 ng

RT: 18.38 min Scan# 2602

Delta R.T. 0.00 min

Lab File: BG042345.D

Acq: 20 Aug 2019 2:55

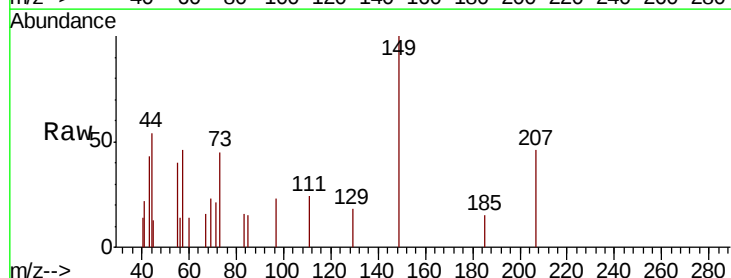
Tgt Ion:149 Resp: 1672

Ion Ratio Lower Upper

149 100

150 0.0 8.4 12.6#

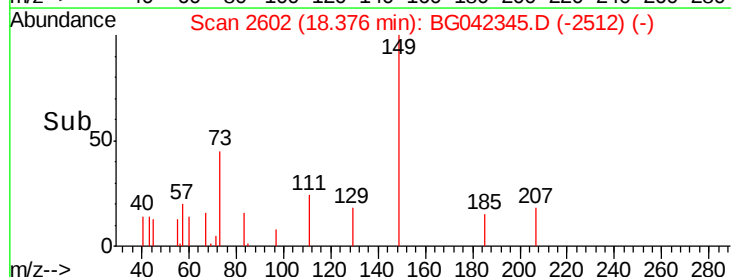
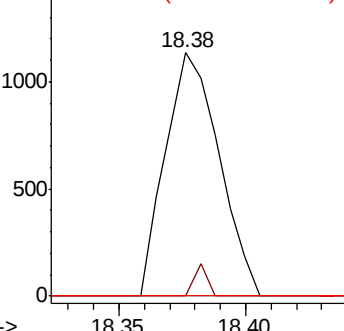
104 0.0 3.7 5.5#

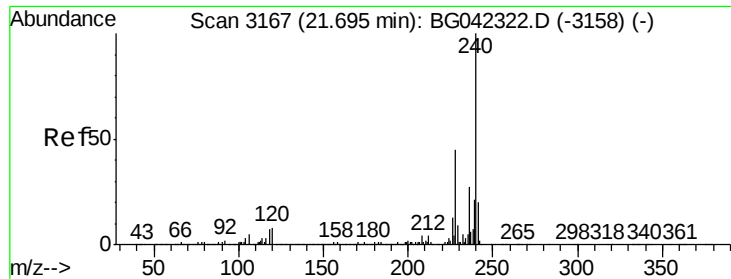


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

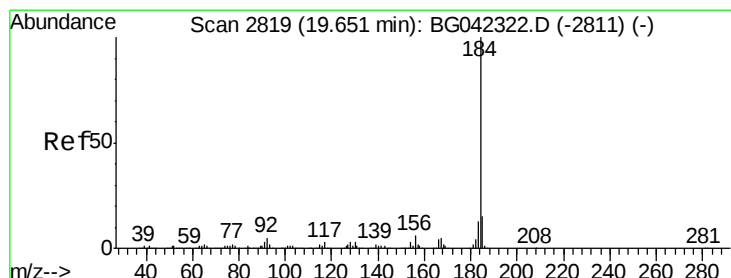
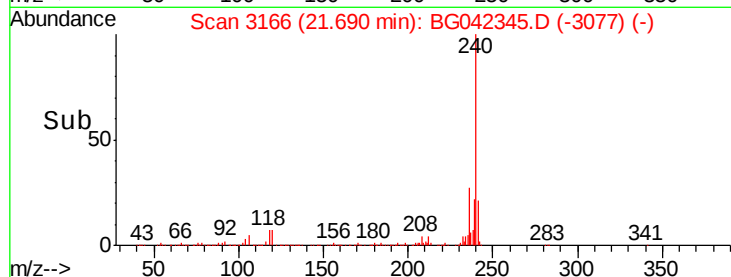
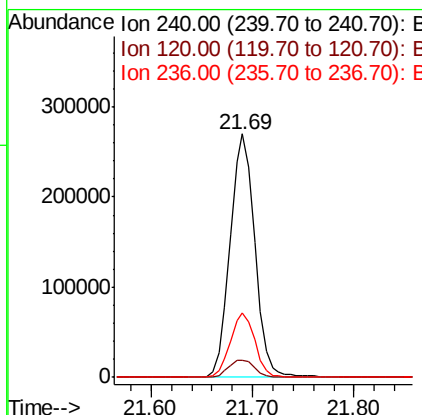
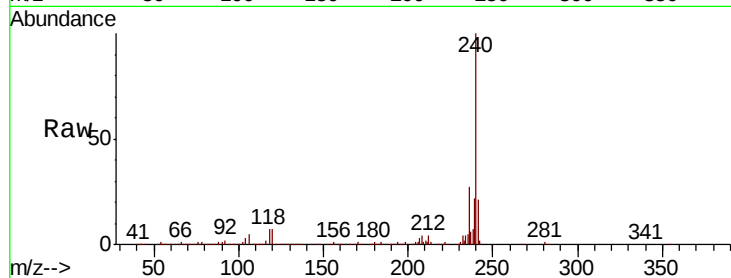




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.69 min Scan# 3166  
Delta R.T. -0.01 min  
Lab File: BG042345.D  
Acq: 20 Aug 2019 2:55

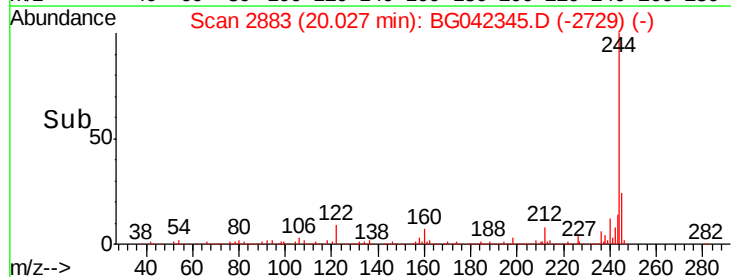
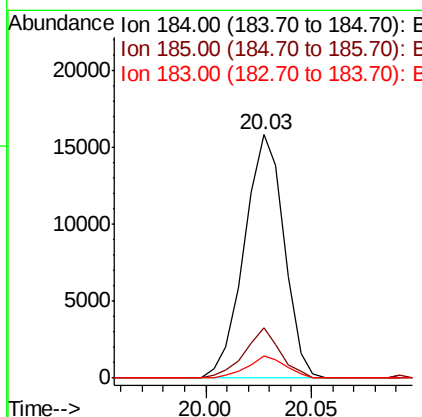
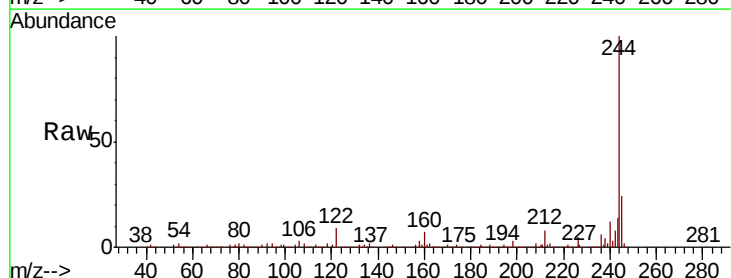
Instrument :  
BNA\_G  
ClientSampleId :

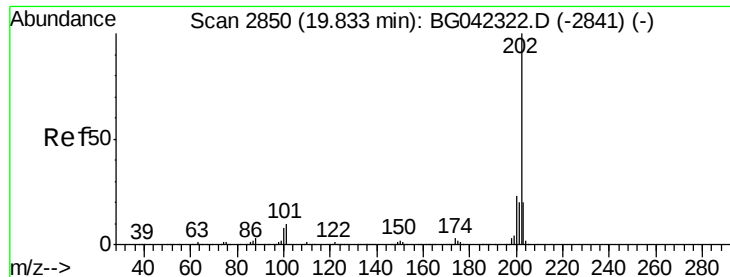
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 7.1   | 6.0   | 9.0   |
| 236     | 26.5  | 21.6  | 32.4  |



#77  
Benzidine  
Concen: 1.706 ng  
RT: 20.03 min Scan# 2883  
Delta R.T. 0.38 min  
Lab File: BG042345.D  
Acq: 20 Aug 2019 2:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 185     | 20.7  | 11.8  | 17.6# |
| 183     | 9.1   | 10.6  | 15.8# |





#78

Pvrene

Concen: 0.190 ng

RT: 20.03 min Scan# 2883

Delta R.T. 0.19 min

Lab File: BG042345.D

Acq: 20 Aug 2019 2:55

Instrument :

BNA\_G

ClientSampleId :

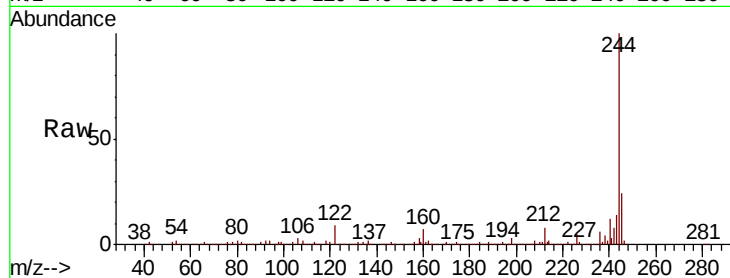
Tot Ion:202 Resp: 5333

Ion Ratio Lower Upper

202 100

200 57.0 18.1 27.1#

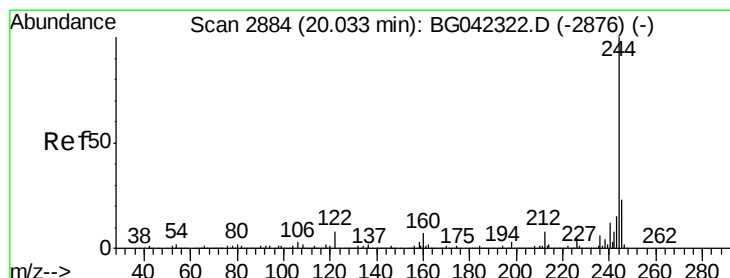
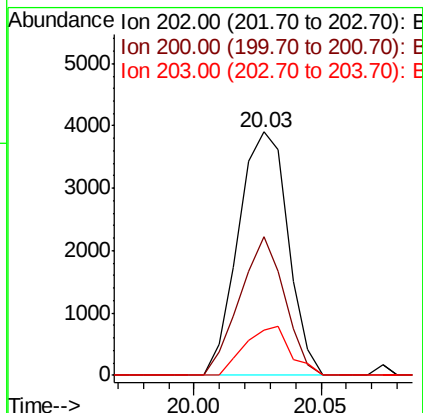
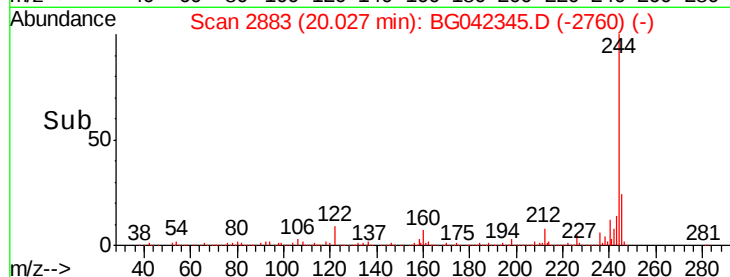
203 18.4 15.8 23.8



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 73.976 ng

RT: 20.03 min Scan# 2883

Delta R.T. -0.01 min

Lab File: BG042345.D

Acq: 20 Aug 2019 2:55

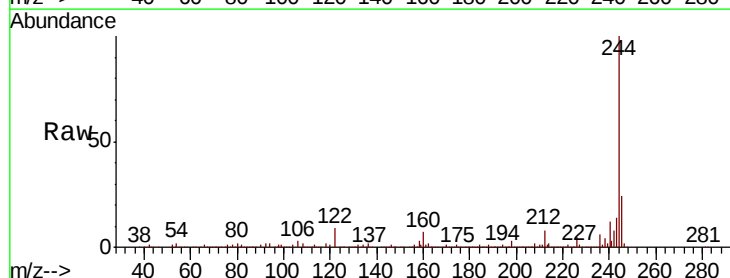
Tgt Ion:244 Resp: 1544453

Ion Ratio Lower Upper

244 100

212 7.9 6.4 9.6

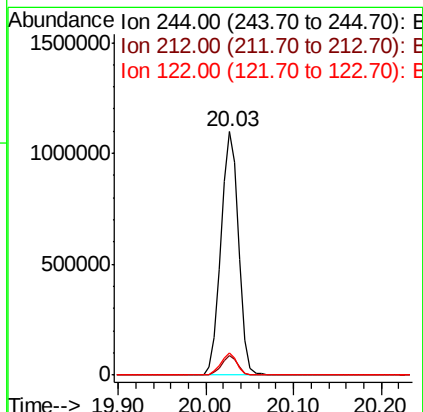
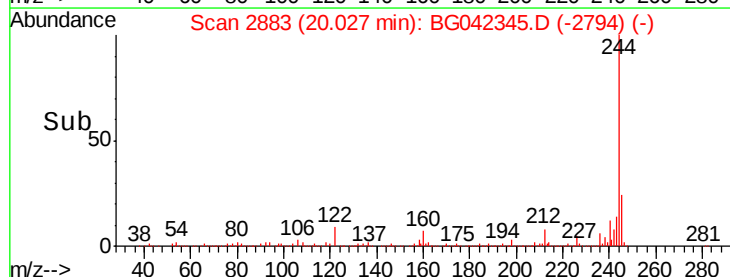
122 9.1 6.6 10.0

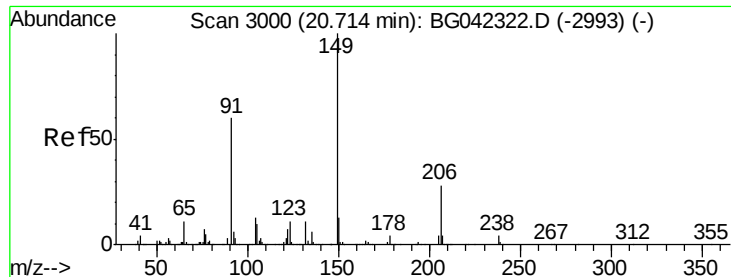


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

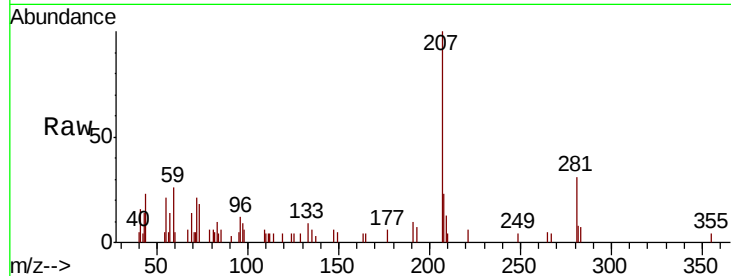




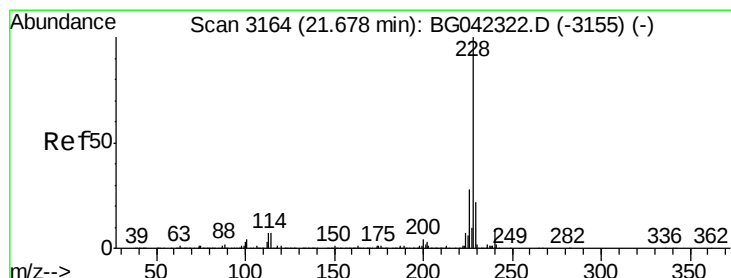
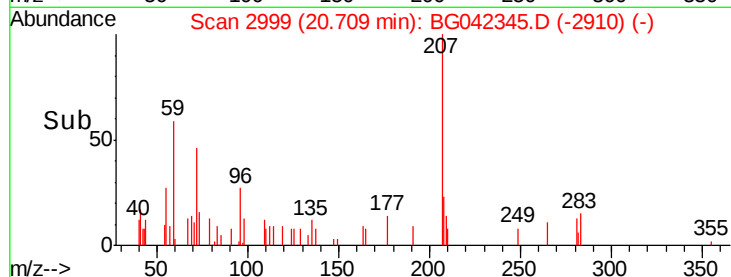
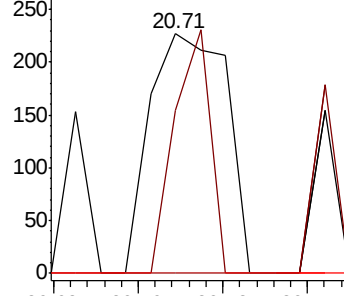
#80  
Butylbenzylphthalate  
Concen: 0.026 ng  
RT: 20.71 min Scan# 2999  
Delta R.T. -0.01 min  
Lab File: BG042345.D  
Acq: 20 Aug 2019 2:55

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 68.3  | 47.8  | 71.6  |
| 206     | 0.0   | 22.6  | 33.8# |

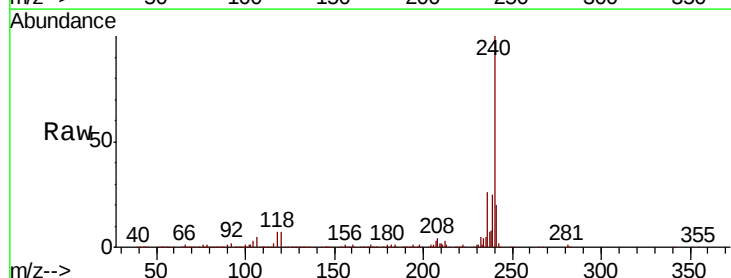


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 91.00 (90.70 to 91.70): BG0  
Ion 206.00 (205.70 to 206.70): E

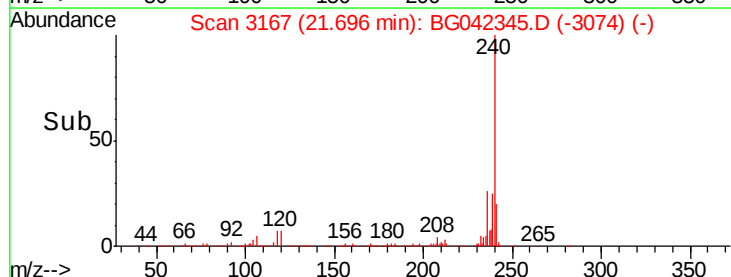
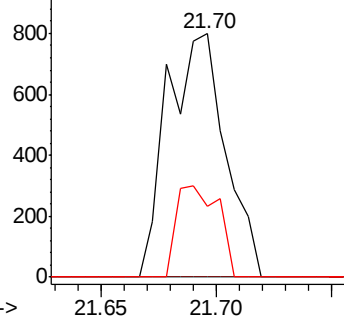


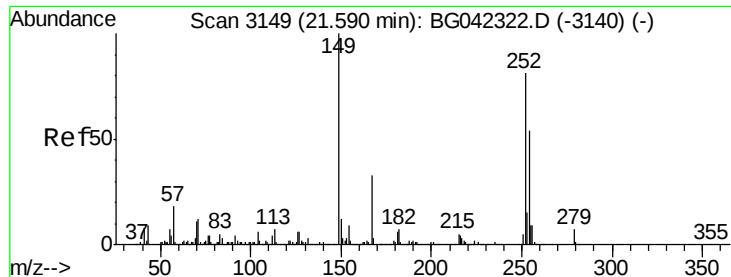
#81  
Benzo(a)anthracene  
Concen: 0.050 ng  
RT: 21.70 min Scan# 3167  
Delta R.T. 0.02 min  
Lab File: BG042345.D  
Acq: 20 Aug 2019 2:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 0.0   | 22.7  | 34.1# |
| 229     | 28.9  | 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

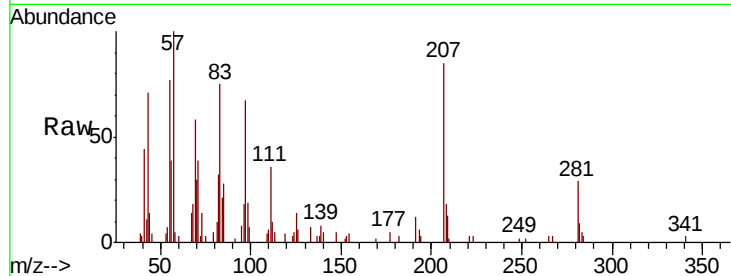




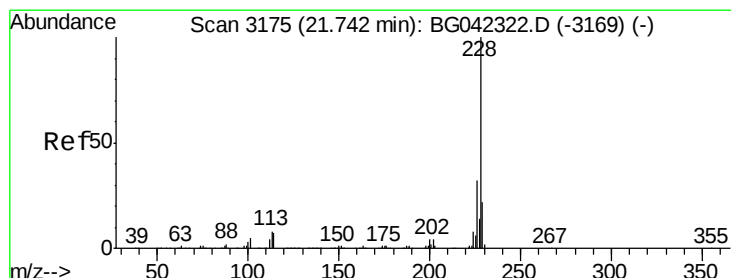
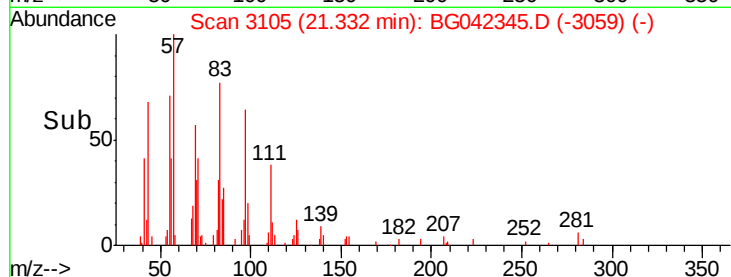
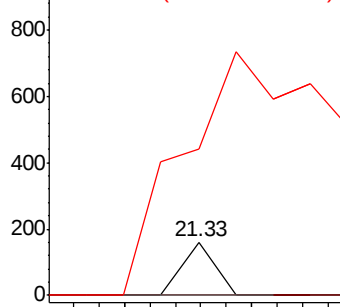
#82  
 3,3'-Dichlorobenzidine  
 Concen: 0.005 ng  
 RT: 21.33 min Scan# 3105  
 Delta R.T. -0.26 min  
 Lab File: BG042345.D  
 Acq: 20 Aug 2019 2:55

Instrument :  
 BNA\_G  
 ClientSampled :

Tot Ion:252 Resp: 56  
 Ion Ratio Lower Upper  
 252 100  
 254 0.0 53.0 79.6#  
 126 275.0 6.2 9.2#

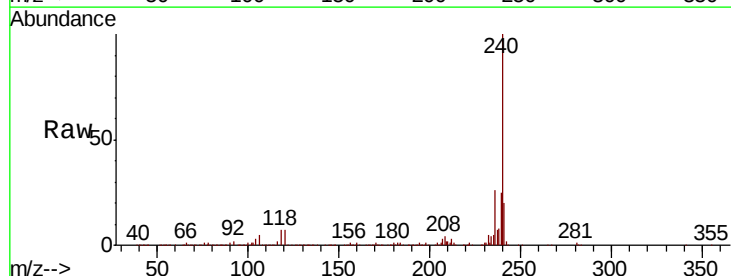


Abundance Ion 252.00 (251.70 to 252.70): E  
 Ion 254.00 (253.70 to 254.70): E  
 Ion 126.00 (125.70 to 126.70): E

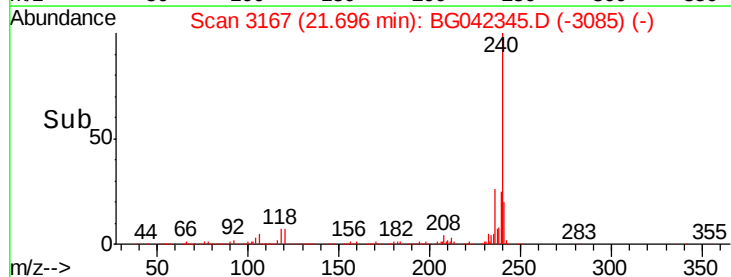
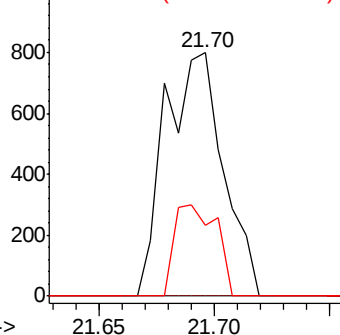


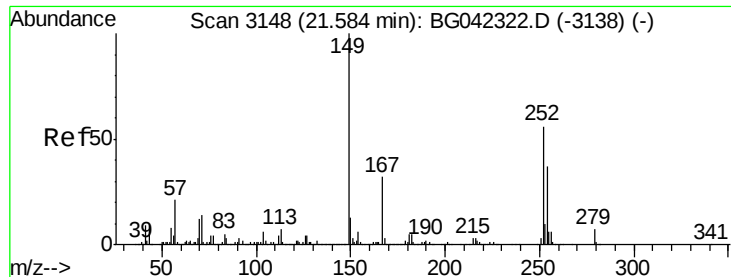
#83  
 Chrysene  
 Concen: 0.052 ng  
 RT: 21.70 min Scan# 3167  
 Delta R.T. -0.05 min  
 Lab File: BG042345.D  
 Acq: 20 Aug 2019 2:55

Tgt Ion:228 Resp: 1394  
 Ion Ratio Lower Upper  
 228 100  
 226 0.0 25.6 38.4#  
 229 28.9 17.8 26.6#



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





#84

Bis(2-ethylhexyl)phthalate

Concen: 0.188 ng

RT: 21.58 min Scan# 3147

Delta R.T. -0.01 min

Lab File: BG042345.D

Acq: 20 Aug 2019 2:55

Instrument :

BNA\_G

ClientSampleId :

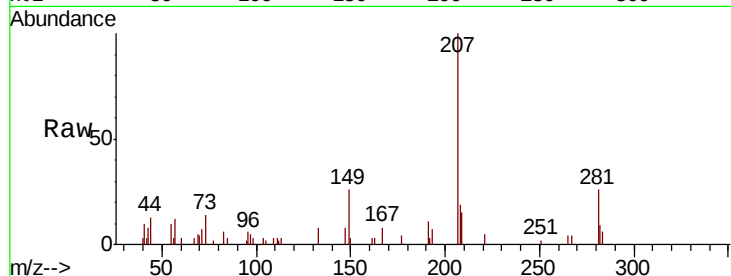
Tot Ion:149 Resp: 2918

Ion Ratio Lower Upper

149 100

167 29.5 25.4 38.0

279 0.0 5.8 8.6#

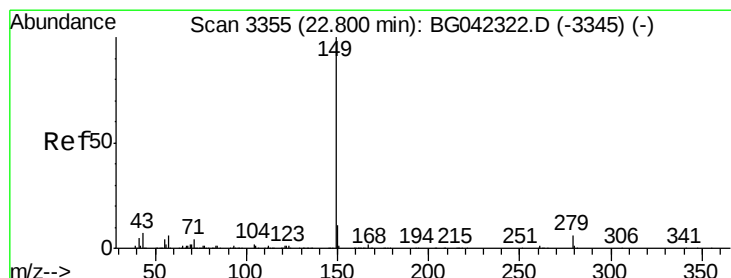
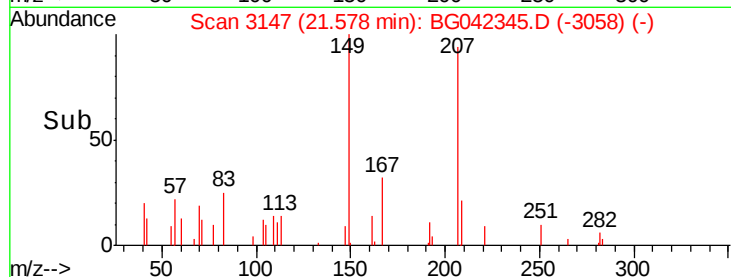
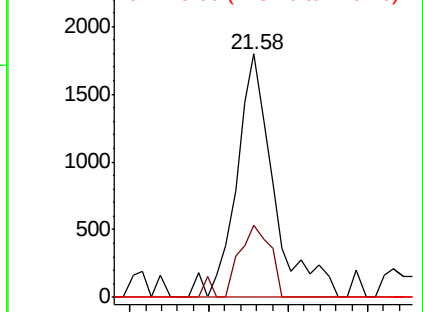


Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Di-n-octyl phthalate

Concen: 0.005 ng

RT: 22.80 min Scan# 3355

Delta R.T. 0.00 min

Lab File: BG042345.D

Acq: 20 Aug 2019 2:55

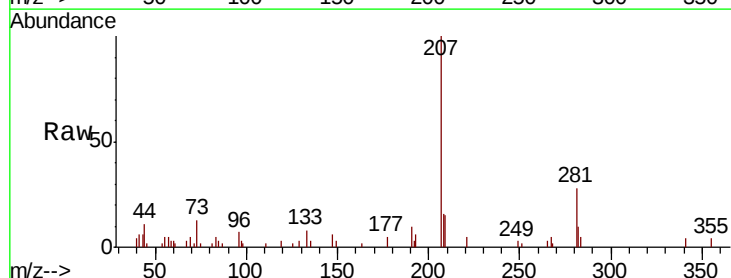
Tgt Ion:149 Resp: 128

Ion Ratio Lower Upper

149 100

167 0.0 1.4 2.2#

43 0.0 5.4 8.2#

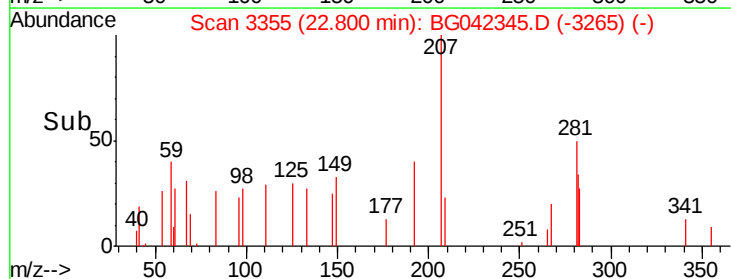
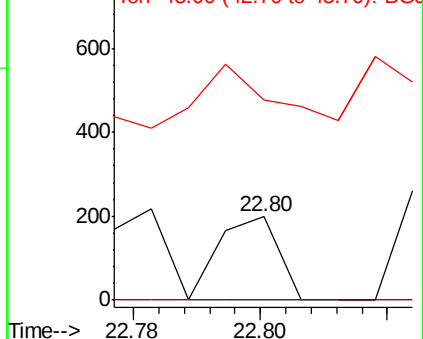


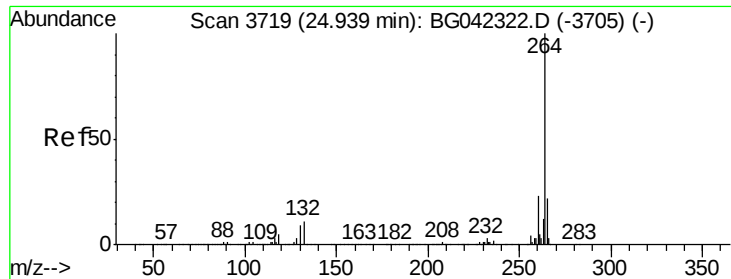
Abundance

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

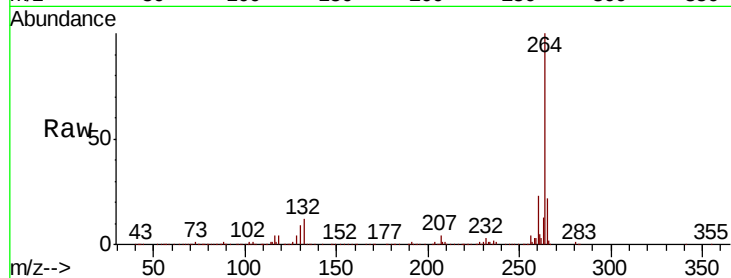




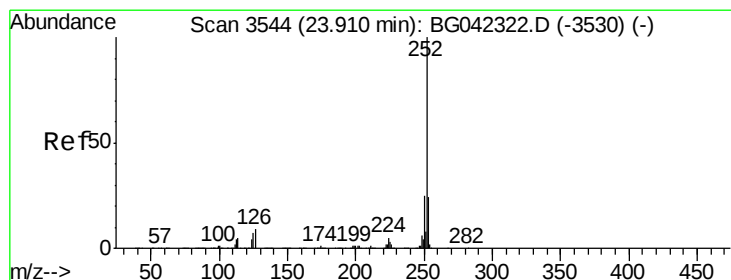
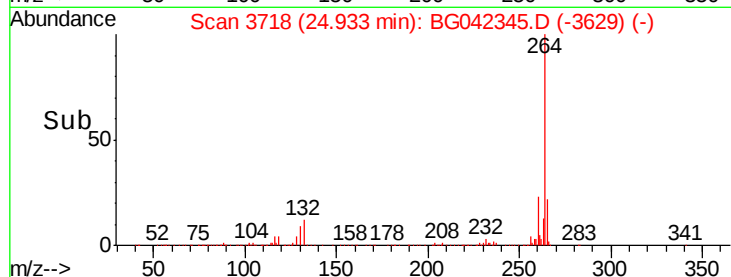
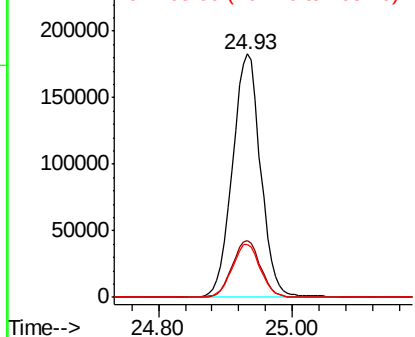
#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 24.93 min Scan# 3718  
Delta R.T. -0.01 min  
Lab File: BG042345.D  
Acq: 20 Aug 2019 2:55

Instrument :  
BNA\_G  
ClientSampled :

Tot Ion:264 Resp: 536841  
Ion Ratio Lower Upper  
264 100  
260 23.0 18.4 27.6  
265 21.9 17.4 26.0

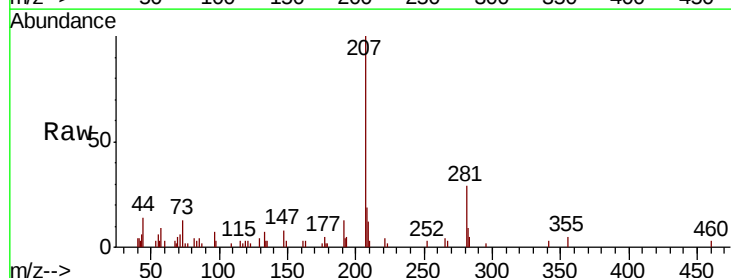


Abundance Ion 264.00 (263.70 to 264.70): E  
Ion 260.00 (259.70 to 260.70): E  
Ion 265.00 (264.70 to 265.70): E

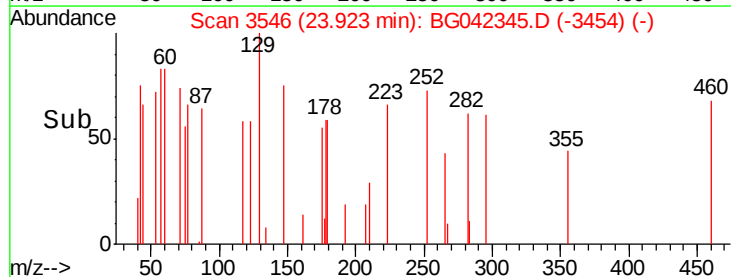
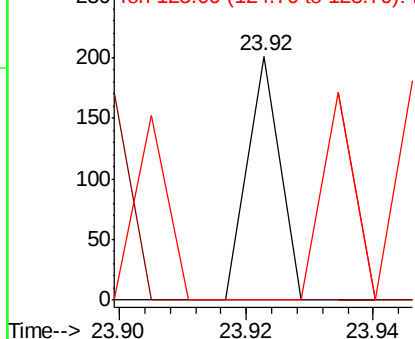


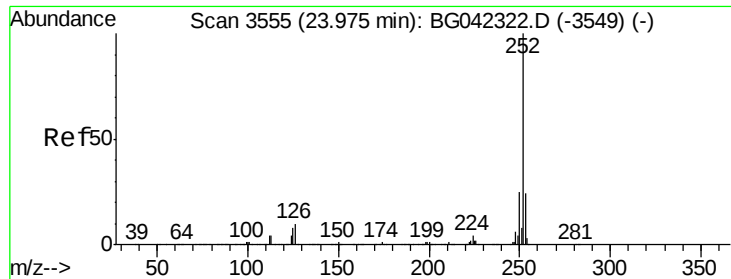
#88  
Benzo(b)fluoranthene  
Concen: 0.002 ng  
RT: 23.92 min Scan# 3546  
Delta R.T. 0.01 min  
Lab File: BG042345.D  
Acq: 20 Aug 2019 2:55

Tgt Ion:252 Resp: 71  
Ion Ratio Lower Upper  
252 100  
253 0.0 18.9 28.3#  
125 0.0 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

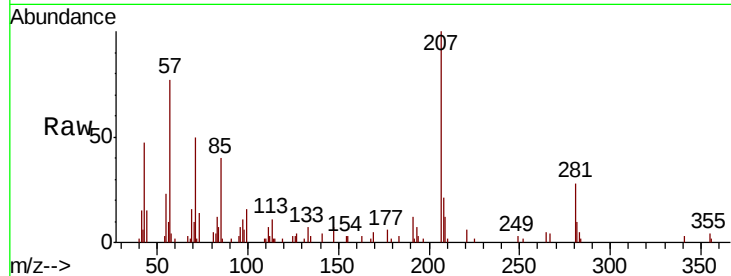




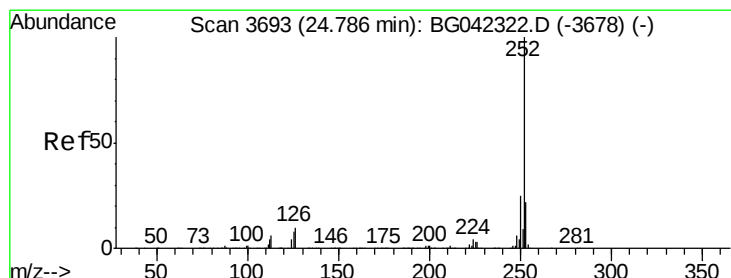
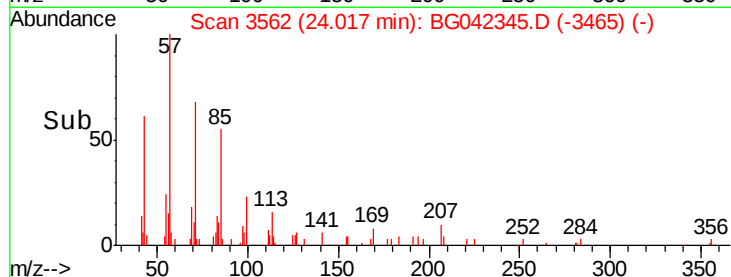
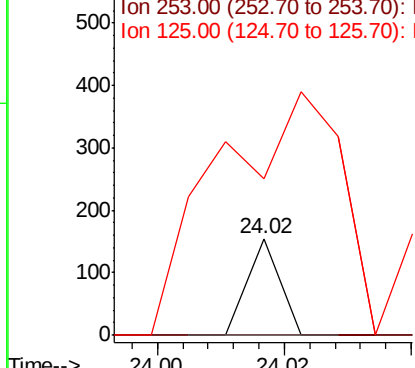
#89  
Benzo(k)fluoranthene  
Concen: 0.002 ng  
RT: 24.02 min Scan# 3562  
Delta R.T. 0.04 min  
Lab File: BG042345.D  
Acq: 20 Aug 2019 2:55

Instrument :  
BNA\_G  
ClientSampled :

Tot Ion:252 Resp: 55  
Ion Ratio Lower Upper  
252 100  
253 0.0 19.0 28.4#  
125 161.9 6.0 9.0#

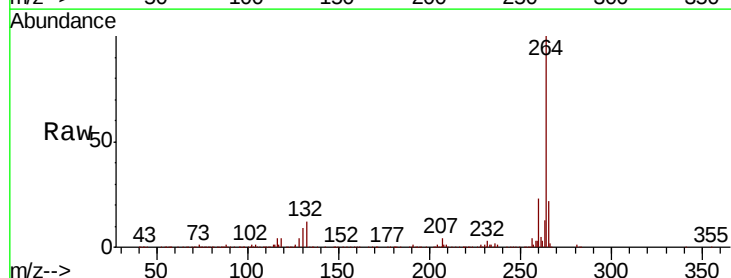


Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E



#90  
Benzo(a)pyrene  
Concen: 0.077 ng  
RT: 24.93 min Scan# 3718  
Delta R.T. 0.15 min  
Lab File: BG042345.D  
Acq: 20 Aug 2019 2:55

Tgt Ion:252 Resp: 2171  
Ion Ratio Lower Upper  
252 100  
253 33.7 17.9 26.9#  
125 21.7 6.7 10.1#



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

