

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082219\  
 Data File : BG042410.D  
 Acq On : 22 Aug 2019 20:54  
 Operator : HP/JU  
 Sample : K4332-03  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Aug 23 02:36:05 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 | 8.01  | 152  | 60710    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.83 | 136  | 239742   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 14.66 | 164  | 171122   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 17.41 | 188  | 387345   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.69 | 240  | 394574   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 24.93 | 264  | 463606   | 20.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 5) 2-Fluorophenol           | 5.56  | 112  | 43115    | 14.38 | ng    | 0.00     |
| 7) Phenol-d6                | 7.17  | 99   | 54385    | 13.43 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.17  | 82   | 110445   | 31.84 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.15 | 330  | 61630    | 25.34 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.28 | 172  | 353336   | 34.92 | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.03 | 244  | 599811   | 32.86 | ng    | 0.00     |

| Target Compounds               | R.T.  | QIon | Response | Conc   | Units | Qvalue |
|--------------------------------|-------|------|----------|--------|-------|--------|
| 2) 1,4-Dioxane                 | 3.43  | 88   | 413      | 0.330  | ng    | # 53   |
| 4) n-Nitrosodimethylamine      | 3.73  | 42   | 114      | 0.100  | ng    | # 1    |
| 6) Aniline                     | 7.19  | 93   | 83       | 0.015  | ng    | # 1    |
| 10) Phenol                     | 7.19  | 94   | 10077    | 2.448  | ng    | # 93   |
| 11) bis(2-Chloroethyl)ether    | 7.19  | 93   | 83       | 0.026  | ng    | # 20   |
| 15) Benzyl Alcohol             | 8.33  | 79   | 1688     | 0.579  | ng    | # 32   |
| 19) n-Nitroso-di-n-propylamine | 9.17  | 70   | 13433    | 5.121  | ng    | # 75   |
| 22) Acetophenone               | 8.83  | 105  | 1106     | 0.216  | ng    | # 54   |
| 24) Nitrobenzene               | 9.17  | 77   | 239      | 0.068  | ng    | # 33   |
| 25) Isophorone                 | 9.45  | 82   | 419      | 0.061  | ng    | # 59   |
| 46) 1,1'-Biphenyl              | 13.50 | 154  | 146      | 0.013  | ng    | # 40   |
| 48) 2-Nitroaniline             | 14.10 | 65   | 764      | 0.332  | ng    | # 1    |
| 50) Dimethylphthalate          | 14.11 | 163  | 137147   | 11.108 | ng    | # 99   |
| 51) 2,6-Dinitrotoluene         | 14.11 | 165  | 1506     | 0.526  | ng    | # 20   |
| 52) Acenaphthene               | 14.67 | 154  | 547      | 0.063  | ng    | # 4    |
| 57) 2,4-Dinitrotoluene         | 14.66 | 165  | 22620    | 5.519  | ng    | # 40   |
| 58) Fluorene                   | 16.15 | 166  | 1860     | 0.158  | ng    | # 79   |
| 60) Diethylphthalate           | 15.48 | 149  | 1256     | 0.104  | ng    | # 80   |
| 63) Azobenzene                 | 16.16 | 77   | 189      | 0.023  | ng    | # 21   |
| 66) n-Nitrosodiphenylamine     | 16.15 | 169  | 1780     | 0.167  | ng    | # 43   |
| 67) 4-Bromophenyl-phenylether  | 16.15 | 248  | 3995     | 0.813  | ng    | # 1    |
| 71) Phenanthrene               | 17.45 | 178  | 109      | 0.006  | ng    | # 59   |
| 72) Anthracene                 | 17.45 | 178  | 109      | 0.006  | ng    | # 60   |
| 74) Di-n-butylphthalate        | 18.38 | 149  | 1365     | 0.067  | ng    | # 77   |
| 75) Fluoranthene               | 19.47 | 202  | 301      | 0.013  | ng    | # 63   |
| 77) Benzidine                  | 20.03 | 184  | 6994     | 0.618  | ng    | # 93   |
| 78) Pyrene                     | 19.84 | 202  | 354      | 0.015  | ng    | # 55   |
| 80) Butylbenzylphthalate       | 20.70 | 149  | 315      | 0.033  | ng    | # 46   |
| 81) Benzo(a)anthracene         | 21.70 | 228  | 1397     | 0.058  | ng    | # 85   |
| 82) 3,3'-Dichlorobenzidine     | 21.60 | 252  | 87       | 0.009  | ng    | # 23   |
| 83) Chrysene                   | 21.74 | 228  | 178      | 0.008  | ng    | # 48   |
| 84) Bis(2-ethylhexyl)phthalate | 21.58 | 149  | 6700     | 0.507  | ng    | # 91   |
| 85) Di-n-octyl phthalate       | 22.79 | 149  | 246      | 0.011  | ng    | # 84   |
| 86) Indeno(1,2,3-cd)pyrene     | 28.66 | 276  | 54       | 0.002  | ng    | # 55   |

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Sample : K4332-03  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :

Quant Time: Aug 23 02:36:05 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

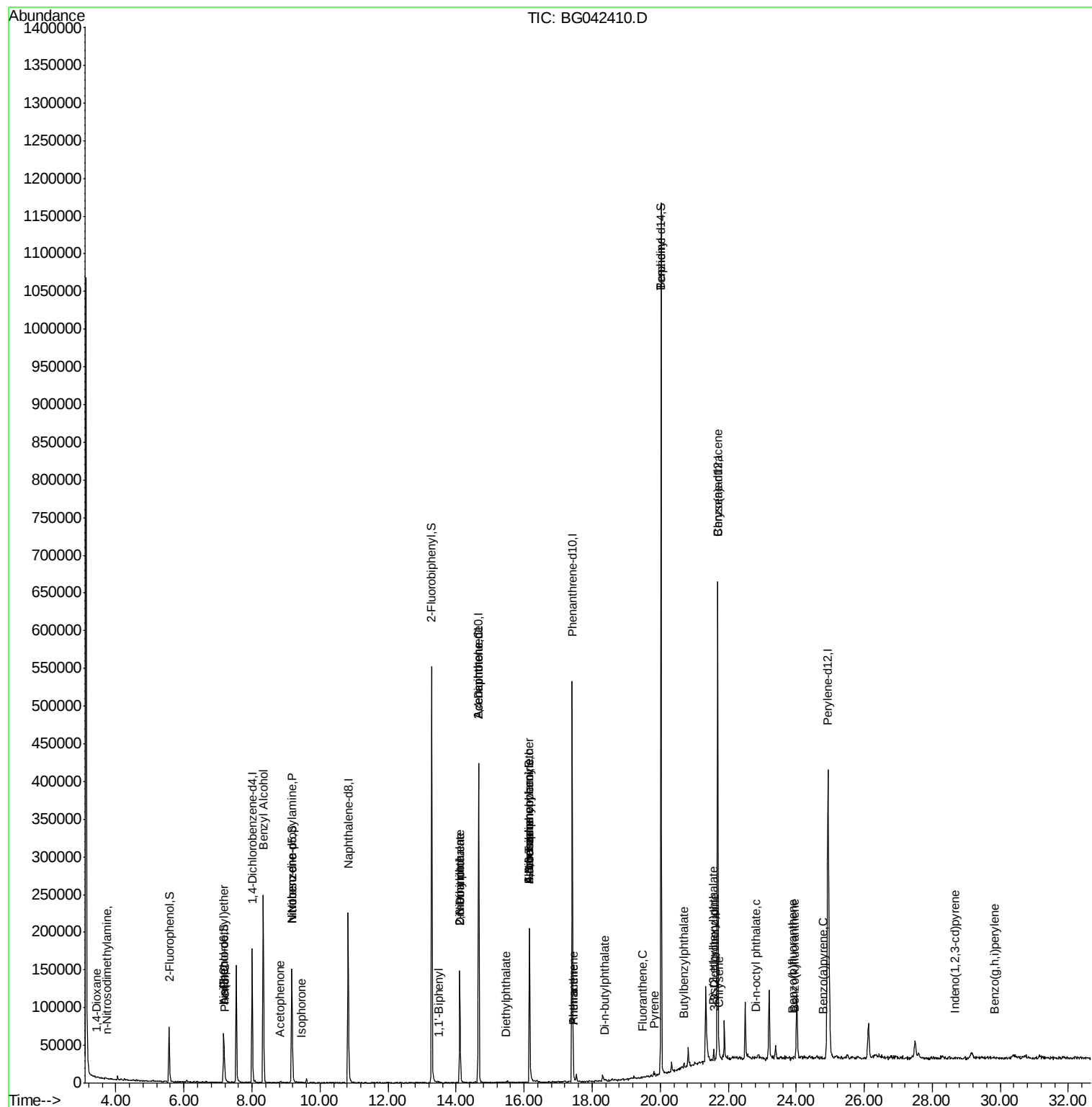
| Internal Standards       | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------|-------|------|----------|-------|-------|----------|
| 88) Benzo(b)fluoranthene | 23.90 | 252  | 117      | 0.005 | ng    | # 10     |
| 89) Benzo(k)fluoranthene | 23.95 | 252  | 75       | 0.003 | ng    | # 59     |
| 90) Benzo(a)pyrene       | 24.79 | 252  | 61       | 0.003 | ng    | # 1      |
| 92) Benzo(g,h,i)perylene | 29.84 | 276  | 119      | 0.005 | ng    | # 56     |

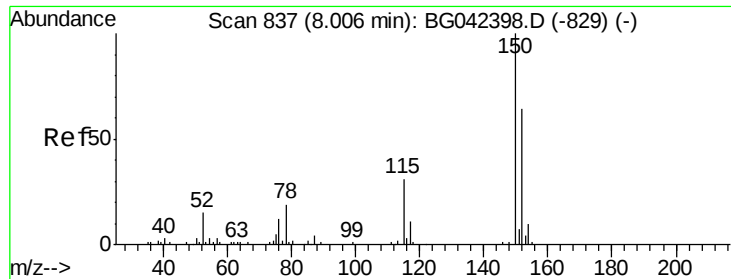
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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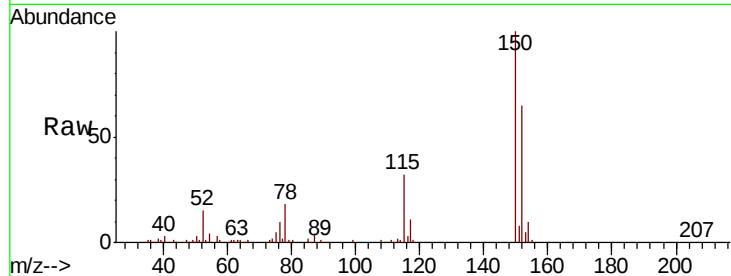


#1

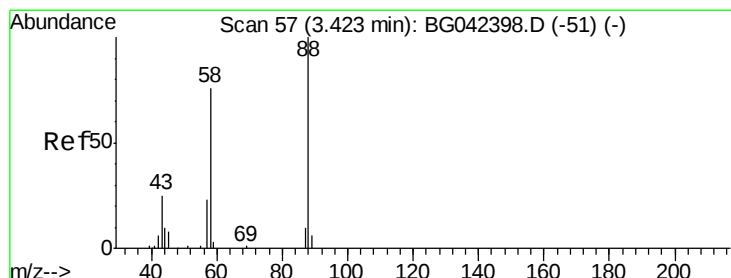
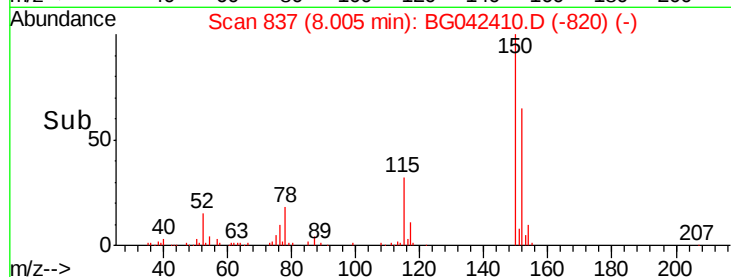
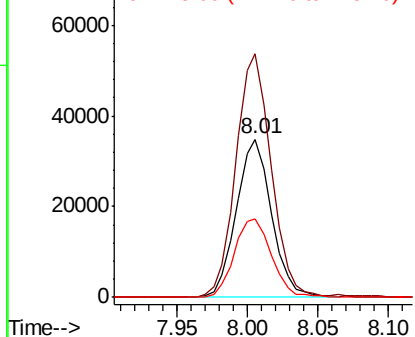
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.01 min Scan# 837  
Delta R.T. -0.00 min  
Lab File: BG042410.D  
Acq: 22 Aug 2019 20:54

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:152 Resp: 60710  
Ion Ratio Lower Upper  
152 100  
150 154.1 125.4 188.0  
115 49.5 38.5 57.7



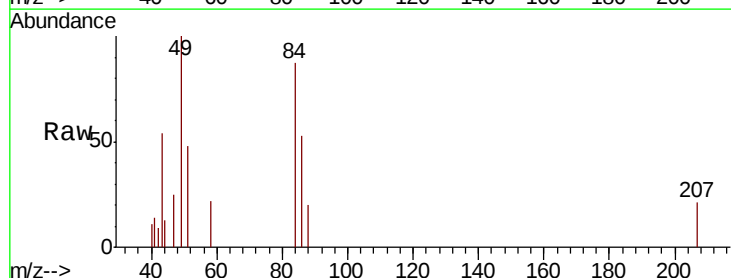
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



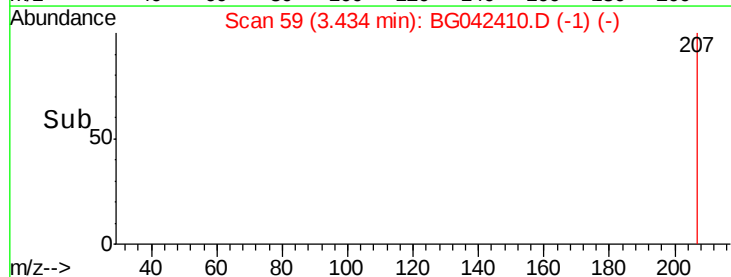
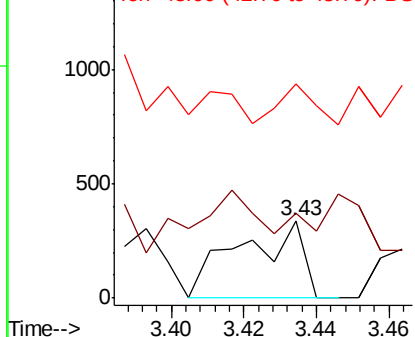
#2

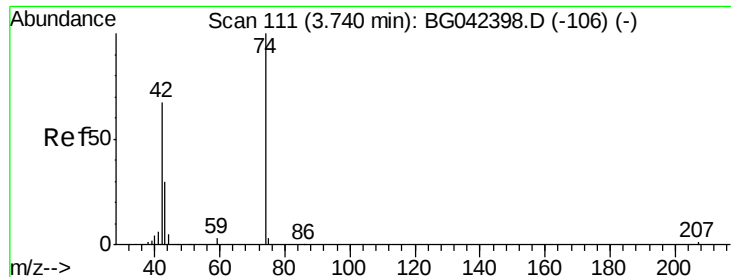
1,4-Dioxane  
Concen: 0.330 ng  
RT: 3.43 min Scan# 59  
Delta R.T. 0.01 min  
Lab File: BG042410.D  
Acq: 22 Aug 2019 20:54

Tgt Ion: 88 Resp: 413  
Ion Ratio Lower Upper  
88 100  
58 33.9 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





#4

n-Nitrosodimethylamine

Concen: 0.100 ng

RT: 3.73 min Scan# 109

Delta R.T. -0.01 min

Lab File: BG042410.D

Acq: 22 Aug 2019 20:54

Instrument :

BNA\_G

ClientSampleId :

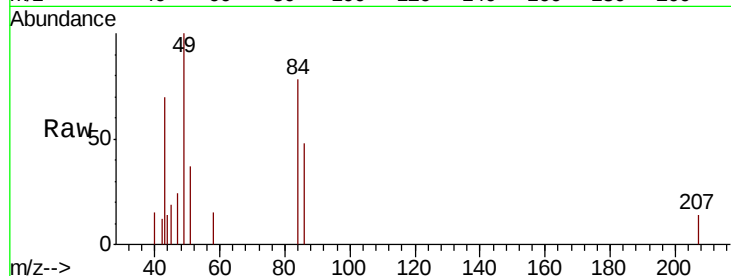
Tot Ion: 42 Resp: 114

Ion Ratio Lower Upper

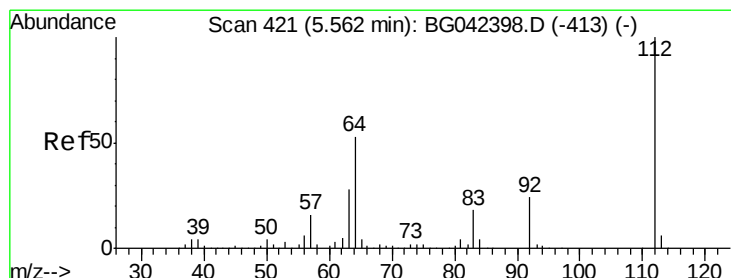
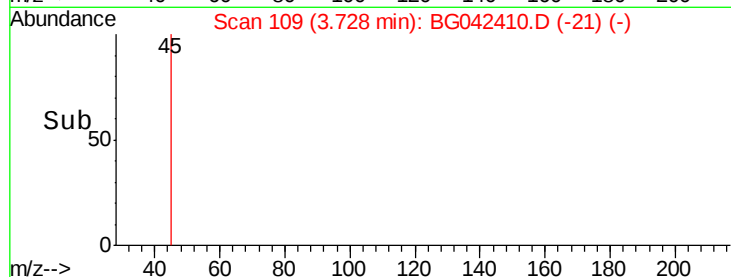
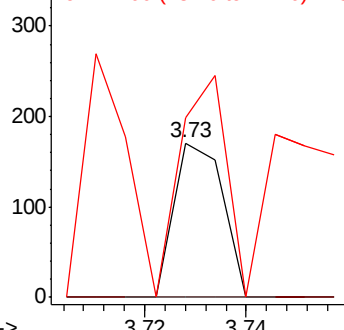
42 100

74 0.0 119.6 179.4#

44 115.8 6.5 9.7#



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



#5

2-Fluorophenol

Concen: 14.383 ng

RT: 5.56 min Scan# 421

Delta R.T. -0.00 min

Lab File: BG042410.D

Acq: 22 Aug 2019 20:54

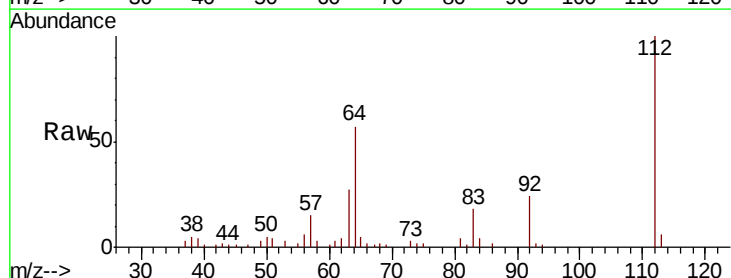
Tgt Ion: 112 Resp: 43115

Ion Ratio Lower Upper

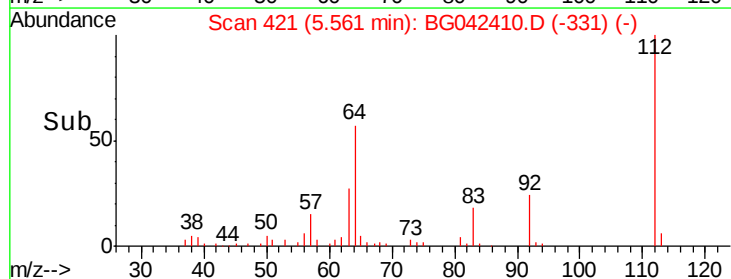
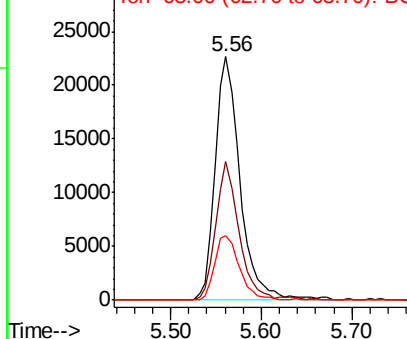
112 100

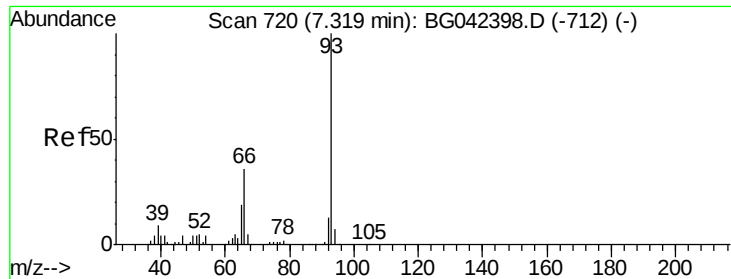
64 56.9 42.8 64.2

63 26.7 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: 0.015 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.13 min

Lab File: BG042410.D

Acq: 22 Aug 2019 20:54

Instrument :

BNA\_G

ClientSampleId :

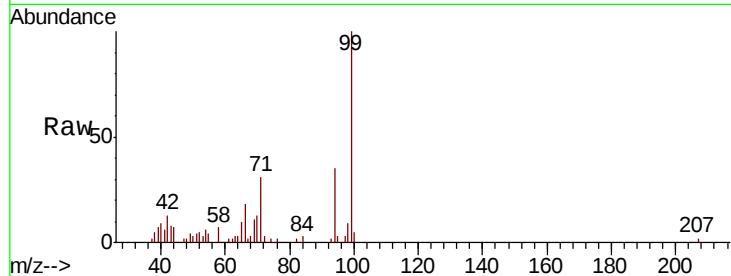
Tot Ion: 93 Resp: 83

Ion Ratio Lower Upper

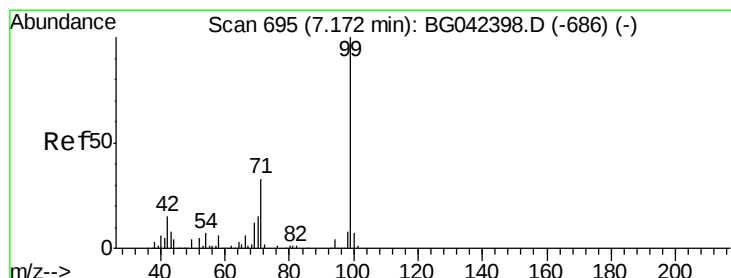
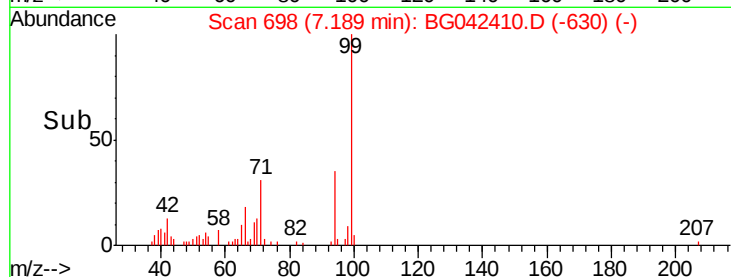
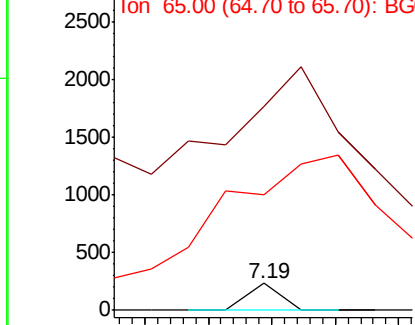
93 100

66 747.0 29.0 43.6#

65 422.5 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: 13.431 ng

RT: 7.17 min Scan# 695

Delta R.T. -0.00 min

Lab File: BG042410.D

Acq: 22 Aug 2019 20:54

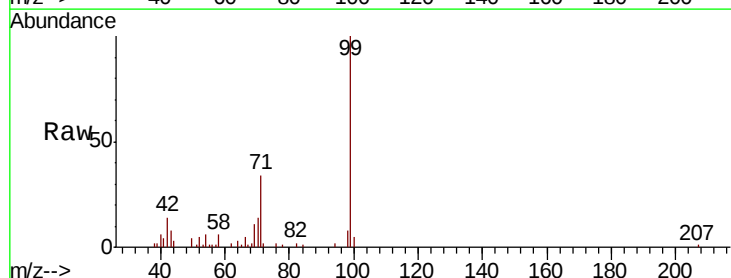
Tgt Ion: 99 Resp: 54385

Ion Ratio Lower Upper

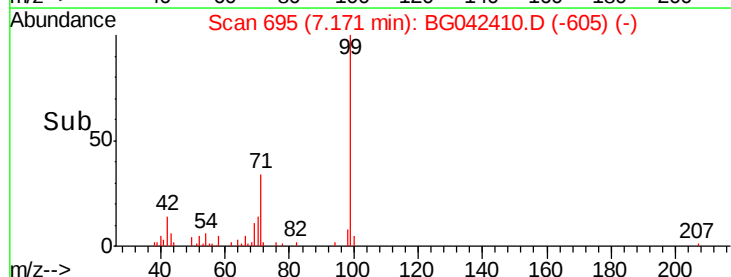
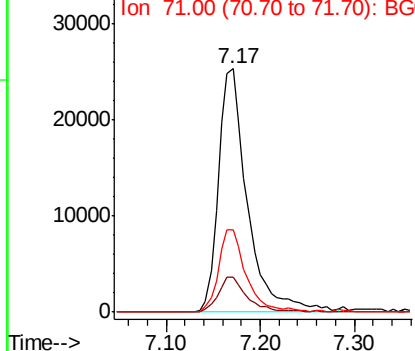
99 100

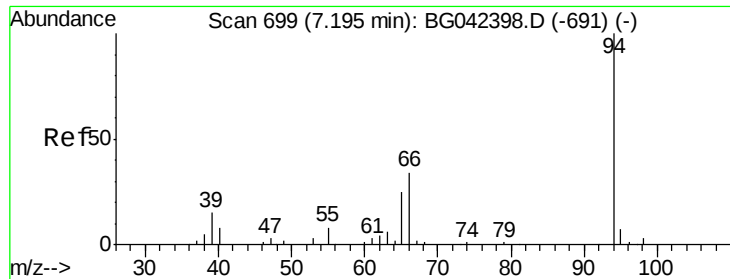
42 14.1 12.0 18.0

71 34.0 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





#10

Phenol

Concen: 2.448 ng

RT: 7.19 min Scan# 699

Delta R.T. -0.00 min

Lab File: BG042410.D

Acq: 22 Aug 2019 20:54

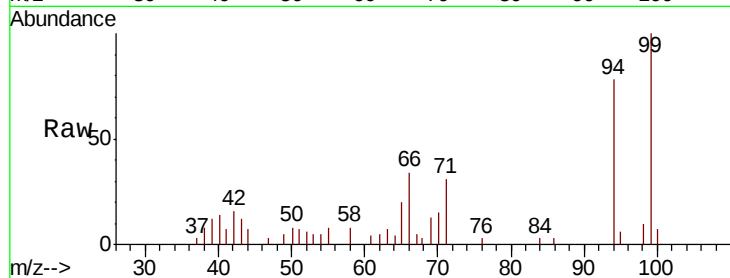
Instrument :

BNA\_G

ClientSampled :

Tot Ion: 94 Resp: 10077

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 94  | 100   |       |       |
| 65  | 25.8  | 5.6   | 45.6  |
| 66  | 43.1  | 16.0  | 56.0  |

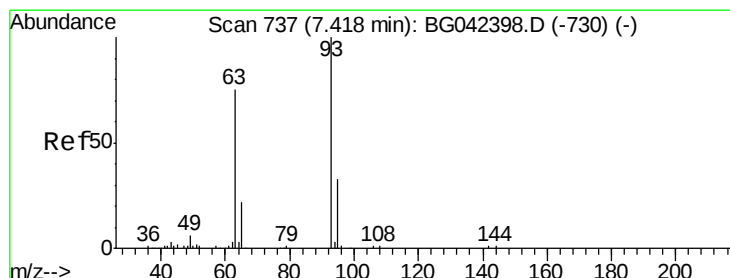
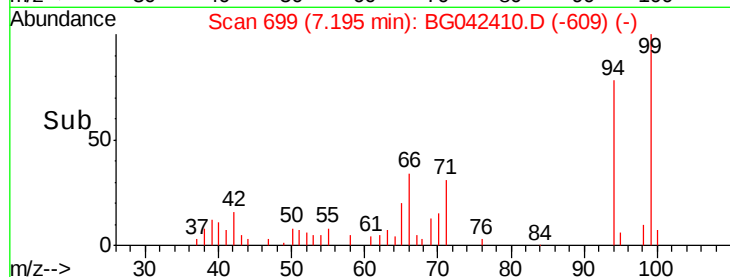
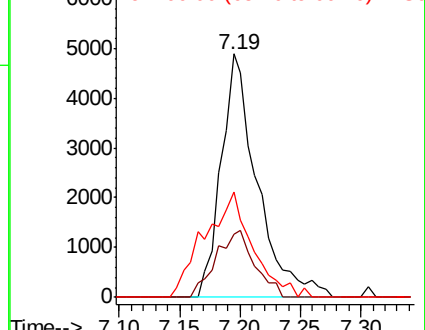


Abundance

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: 0.026 ng

RT: 7.19 min Scan# 698

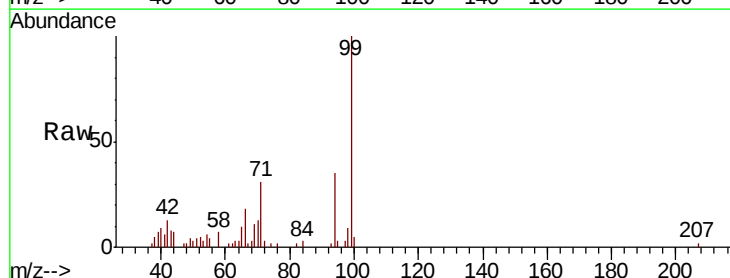
Delta R.T. -0.23 min

Lab File: BG042410.D

Acq: 22 Aug 2019 20:54

Tgt Ion: 93 Resp: 83

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 93  | 100   |       |       |
| 63  | 118.6 | 53.8  | 93.8# |
| 95  | 113.1 | 13.1  | 53.1# |

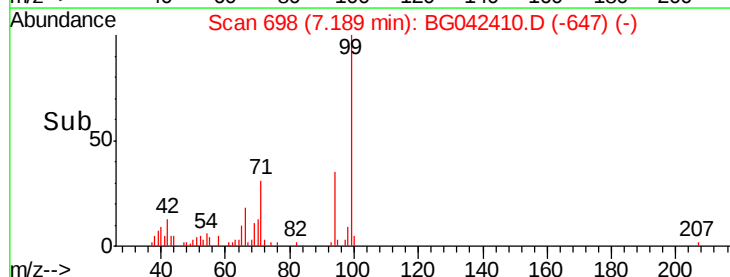
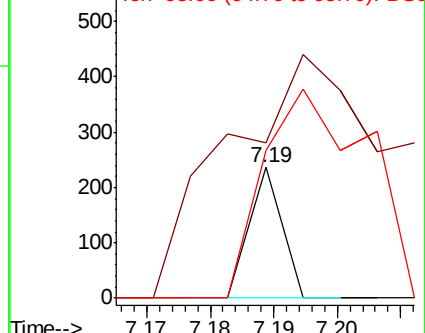


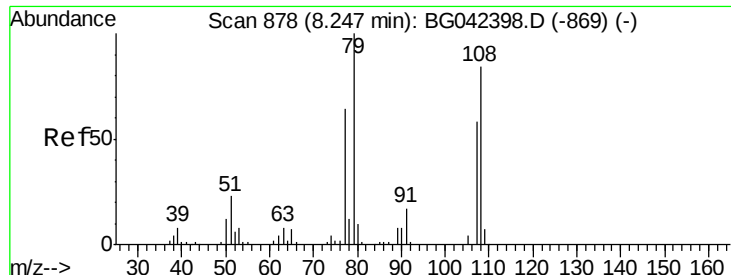
Abundance

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

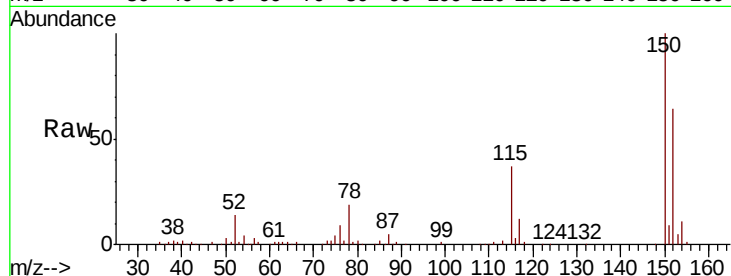




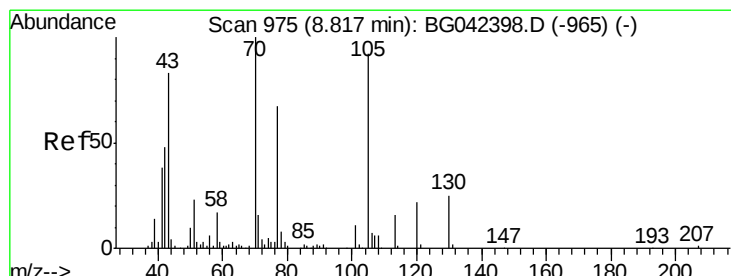
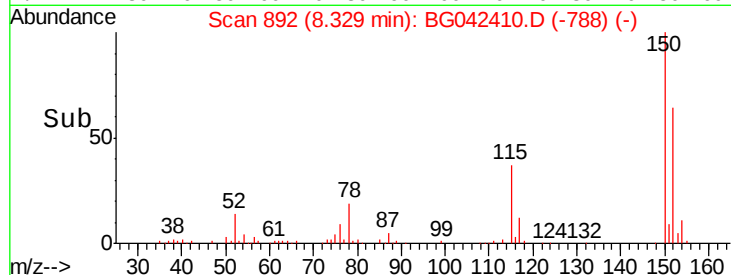
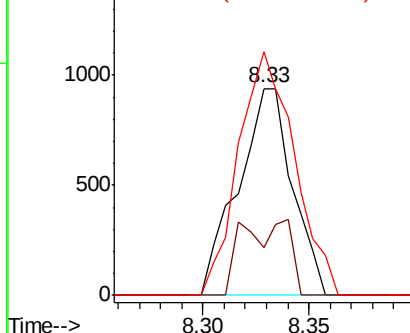
#15  
Benzyl Alcohol  
Concen: 0.579 ng  
RT: 8.33 min Scan# 892  
Delta R.T. 0.08 min  
Lab File: BG042410.D  
Acq: 22 Aug 2019 20:54

Instrument :  
BNA\_G  
ClientSampled :

Tot Ion: 79 Resp: 1688  
Ion Ratio Lower Upper  
79 100  
108 23.4 67.4 101.2#  
77 117.7 50.8 76.2#



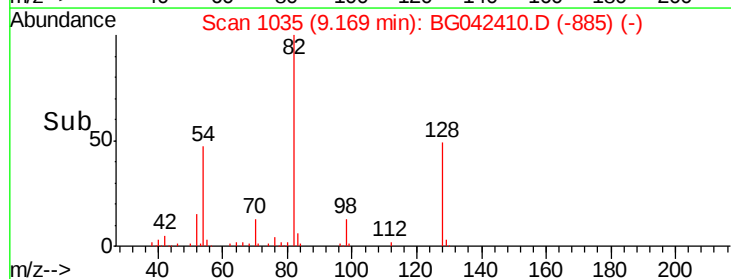
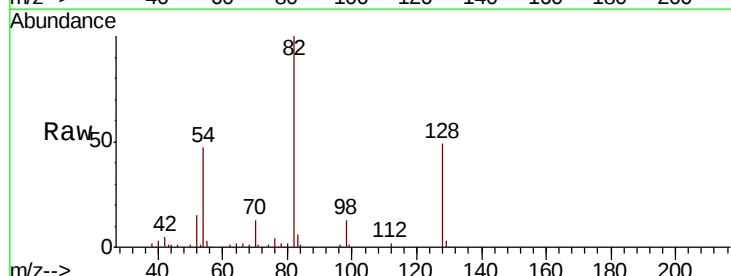
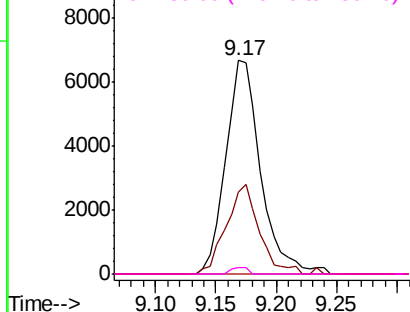
Abundance Ion 79.00 (78.70 to 79.70): BGC  
Ion 108.00 (107.70 to 108.70): BGC  
Ion 77.00 (76.70 to 77.70): BGC

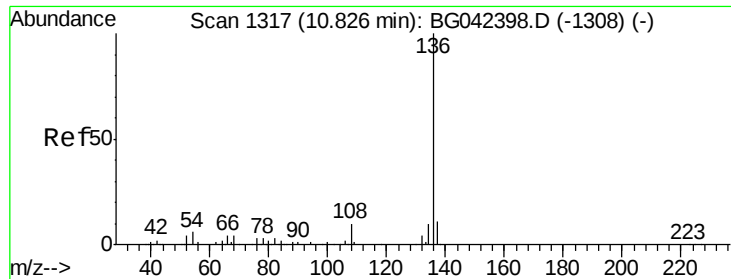


#19  
n-Nitroso-di-n-propylamine  
Concen: 5.121 ng  
RT: 9.17 min Scan# 1035  
Delta R.T. 0.35 min  
Lab File: BG042410.D  
Acq: 22 Aug 2019 20:54

Tgt Ion: 70 Resp: 13433  
Ion Ratio Lower Upper  
70 100  
42 38.4 38.8 58.2#  
101 0.0 9.0 13.6#  
130 2.9 20.0 30.0#

Abundance Ion 70.00 (69.70 to 70.70): BGC  
Ion 42.00 (41.70 to 42.70): BGC  
Ion 101.00 (100.70 to 101.70): BGC  
Ion 130.00 (129.70 to 130.70): BGC





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.83 min Scan# 1317

Delta R.T. -0.00 min

Lab File: BG042410.D

Acq: 22 Aug 2019 20:54

Instrument :

BNA\_G

ClientSampleId :

Tot Ion:136 Resp: 239742

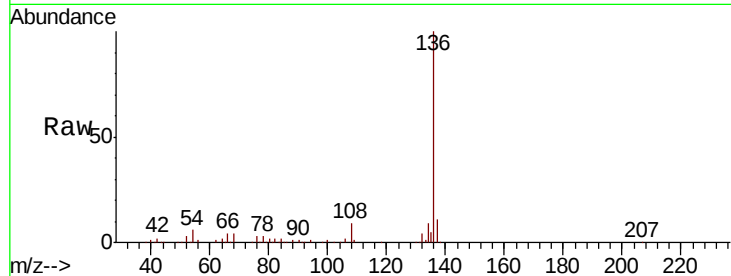
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 6.3 4.9 7.3

68 4.0 3.6 5.4

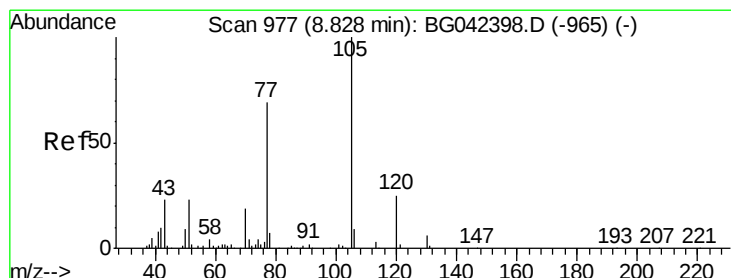
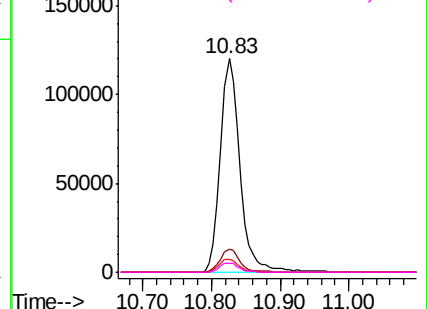
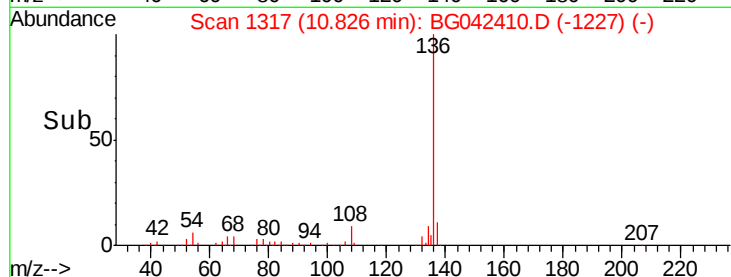


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#22

Acetophenone

Concen: 0.216 ng

RT: 8.83 min Scan# 977

Delta R.T. -0.00 min

Lab File: BG042410.D

Acq: 22 Aug 2019 20:54

Tgt Ion:105 Resp: 1106

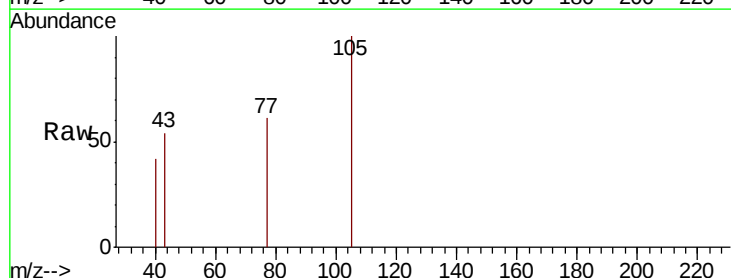
Ion Ratio Lower Upper

105 100

71 0.0 2.8 4.2#

51 0.0 18.7 28.1#

120 0.0 20.1 30.1#

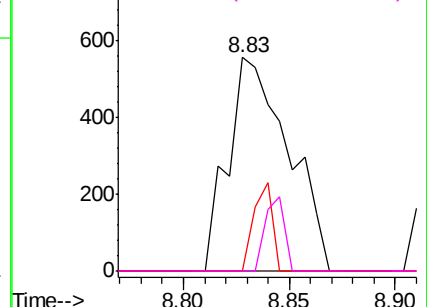
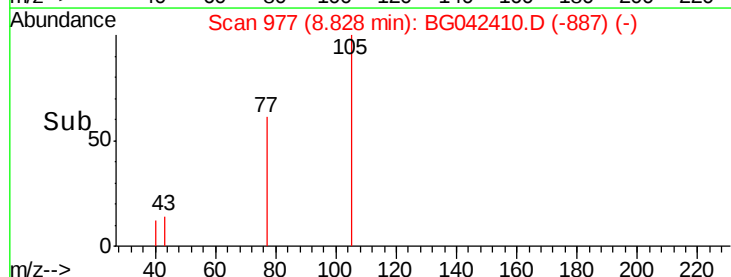


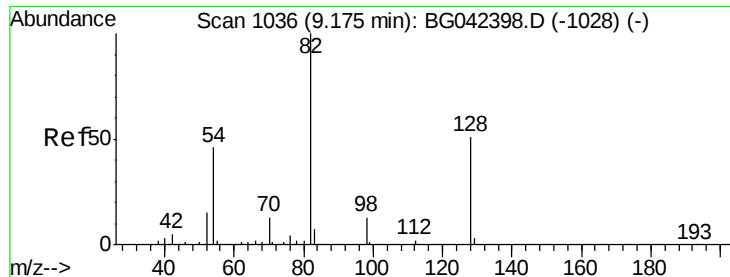
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E





#23

Nitrobenzene-d5

Concen: 31.835 ng

RT: 9.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BG042410.D

Acq: 22 Aug 2019 20:54

Instrument :

BNA\_G

ClientSampleId :

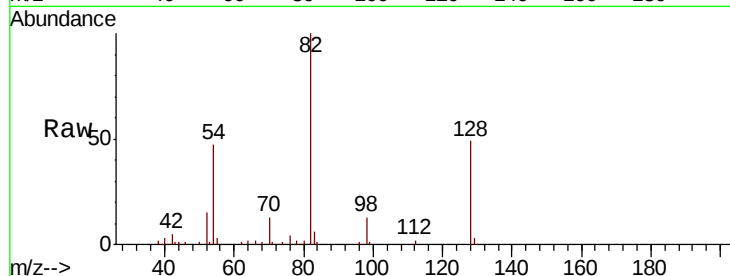
Tot Ion: 82 Resp: 110445

Ion Ratio Lower Upper

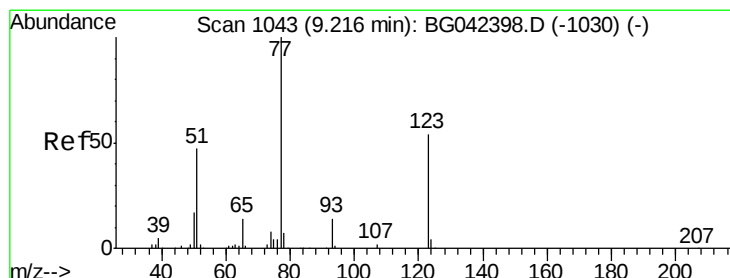
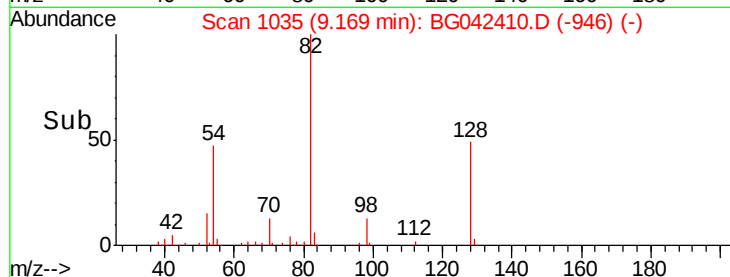
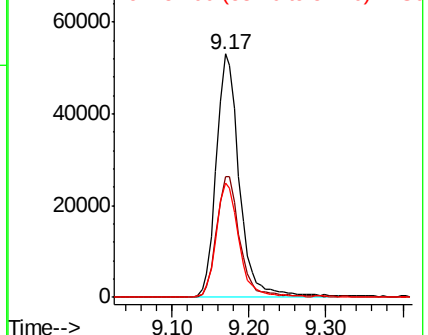
82 100

128 49.4 40.7 61.1

54 47.1 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: 0.068 ng

RT: 9.17 min Scan# 1036

Delta R.T. -0.04 min

Lab File: BG042410.D

Acq: 22 Aug 2019 20:54

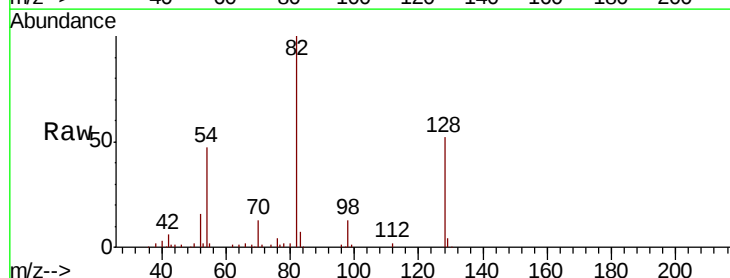
Tgt Ion: 77 Resp: 239

Ion Ratio Lower Upper

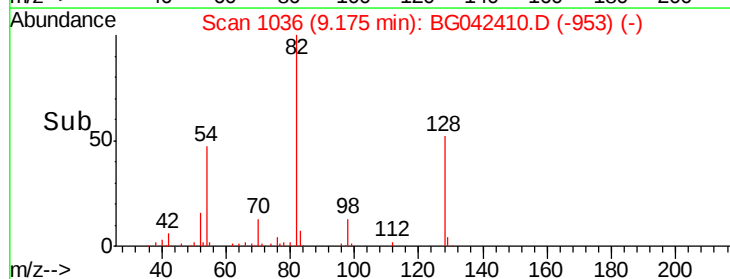
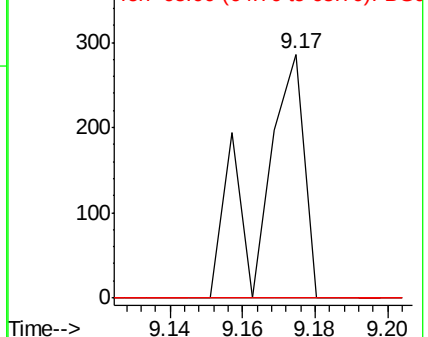
77 100

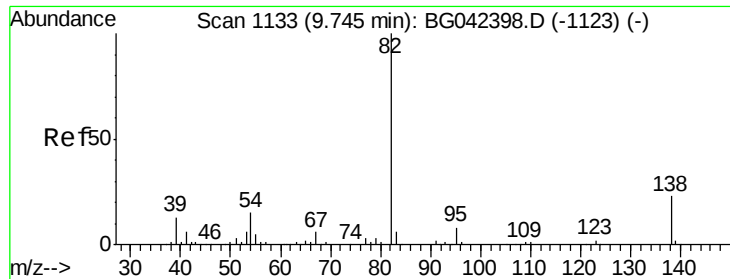
123 0.0 43.4 65.0#

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: 0.061 ng

RT: 9.45 min Scan# 1083

Delta R.T. -0.29 min

Lab File: BG042410.D

Acq: 22 Aug 2019 20:54

Instrument :

BNA\_G

ClientSampled :

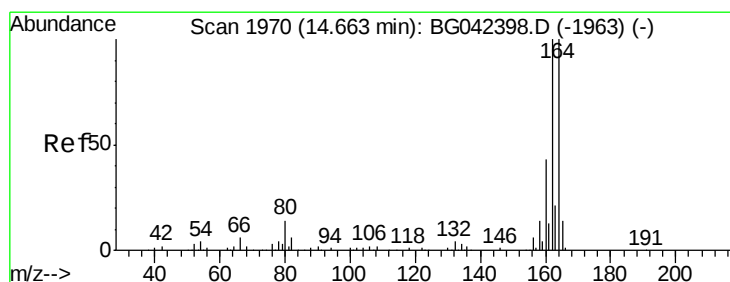
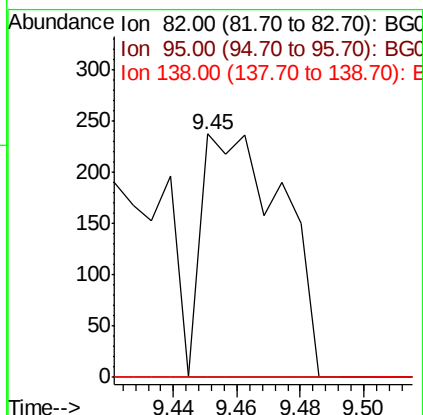
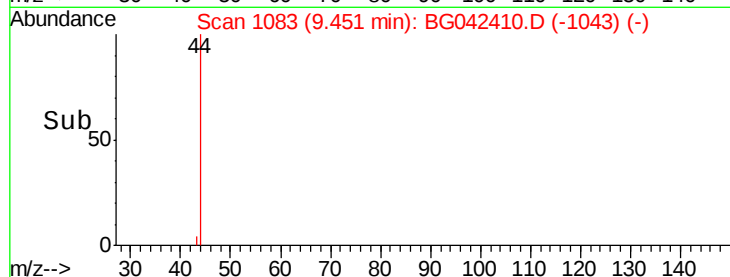
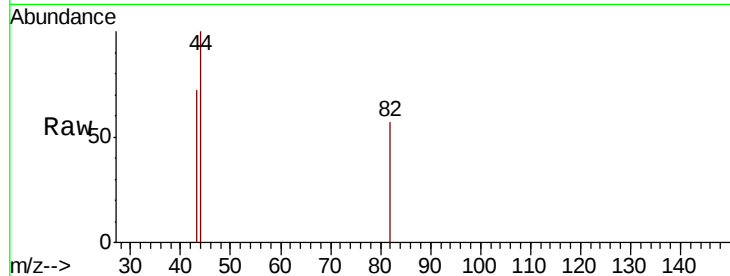
Tot Ion: 82 Resp: 419

Ion Ratio Lower Upper

82 100

95 0.0 6.6 9.8#

138 0.0 18.6 27.8#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1970

Delta R.T. -0.00 min

Lab File: BG042410.D

Acq: 22 Aug 2019 20:54

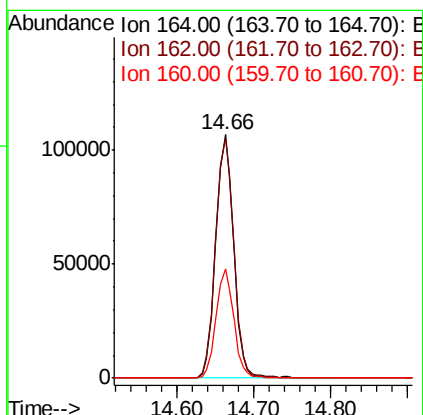
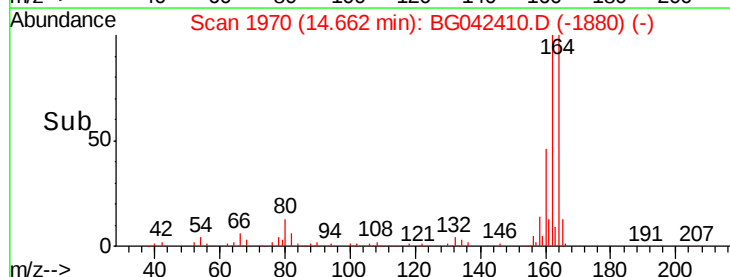
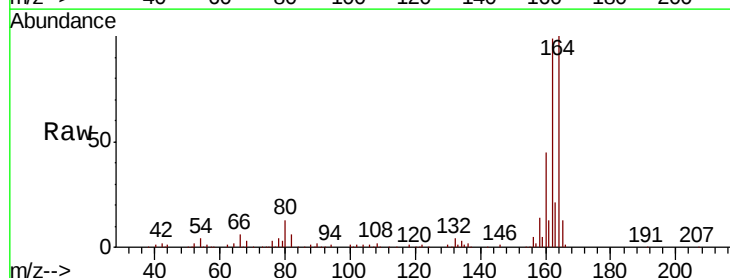
Tgt Ion:164 Resp: 171122

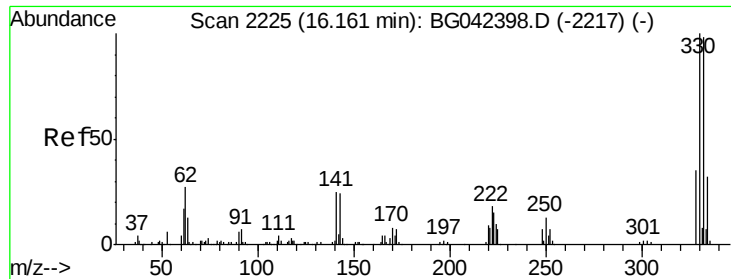
Ion Ratio Lower Upper

164 100

162 98.5 79.9 119.9

160 45.1 34.3 51.5

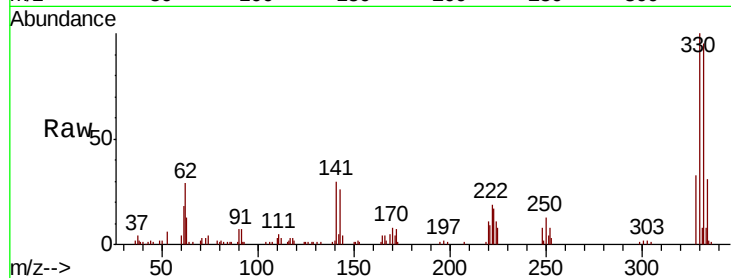




#42  
 2,4,6-Tribromophenol  
 Concen: 25.339 ng  
 RT: 16.15 min Scan# 2224  
 Delta R.T. -0.01 min  
 Lab File: BG042410.D  
 Acq: 22 Aug 2019 20:54

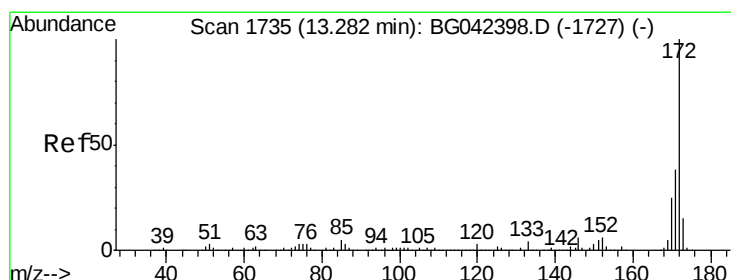
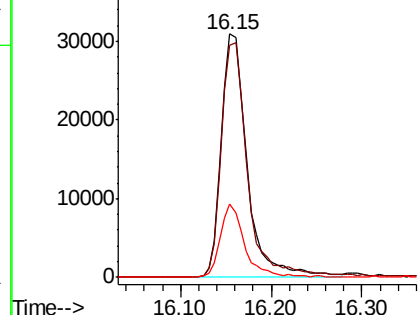
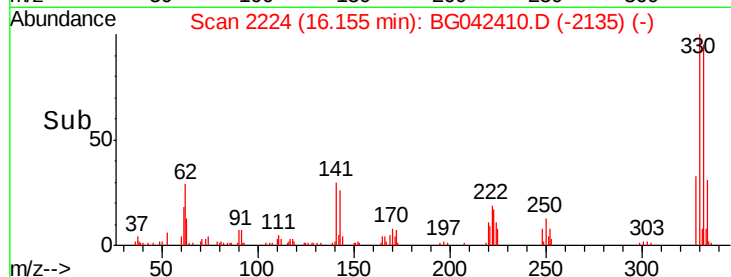
Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.7  | 77.4  | 116.0 |
| 141     | 28.0  | 21.4  | 32.0  |



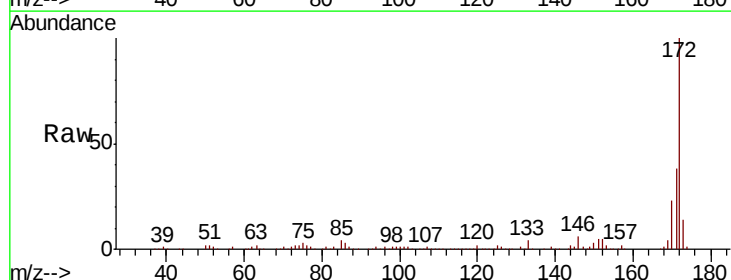
Abundance

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



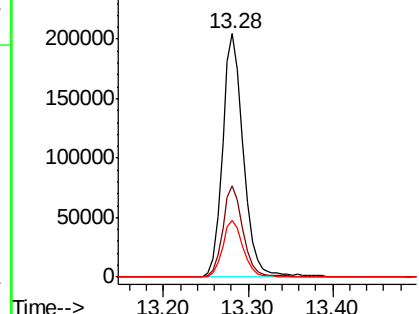
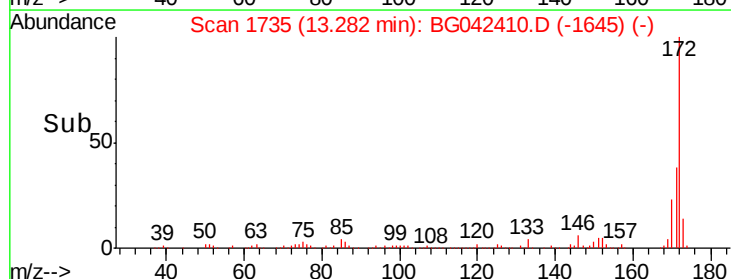
#45  
 2-Fluorobiphenyl  
 Concen: 34.922 ng  
 RT: 13.28 min Scan# 1735  
 Delta R.T. -0.00 min  
 Lab File: BG042410.D  
 Acq: 22 Aug 2019 20:54

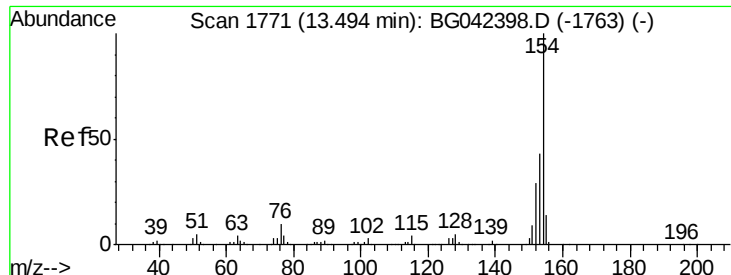
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.6  | 30.5  | 45.7  |
| 170     | 23.2  | 20.2  | 30.2  |



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: 0.013 ng

RT: 13.50 min Scan# 1772

Delta R.T. 0.01 min

Lab File: BG042410.D

Acq: 22 Aug 2019 20:54

Instrument :

BNA\_G

ClientSampleId :

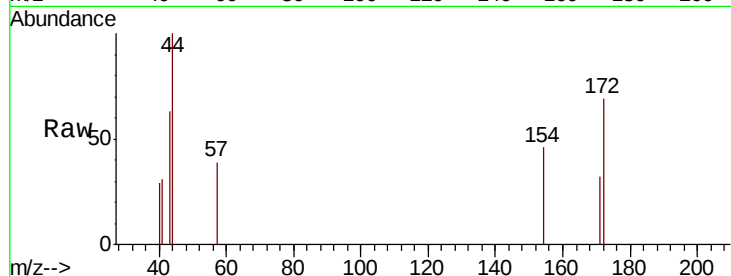
Tot Ion:154 Resp: 146

Ion Ratio Lower Upper

154 100

153 0.0 23.0 63.0#

76 0.0 0.0 29.6

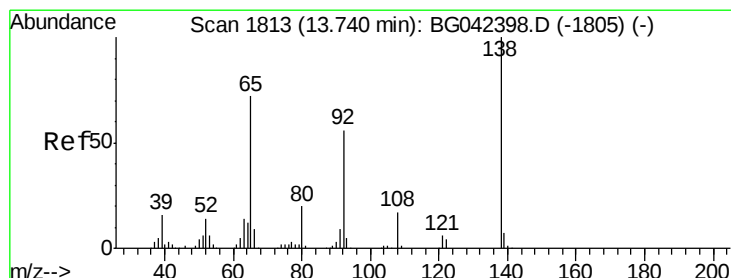
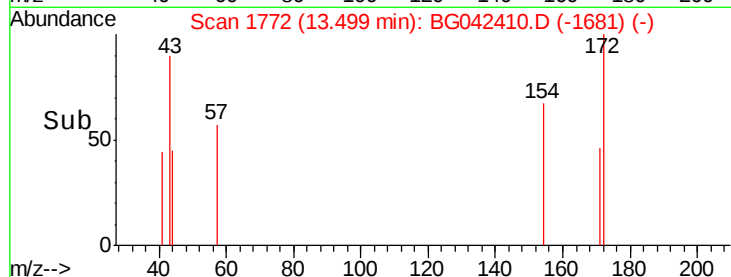


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BGC

Time-->



#48

2-Nitroaniline

Concen: 0.332 ng

RT: 14.10 min Scan# 1875

Delta R.T. 0.36 min

Lab File: BG042410.D

Acq: 22 Aug 2019 20:54

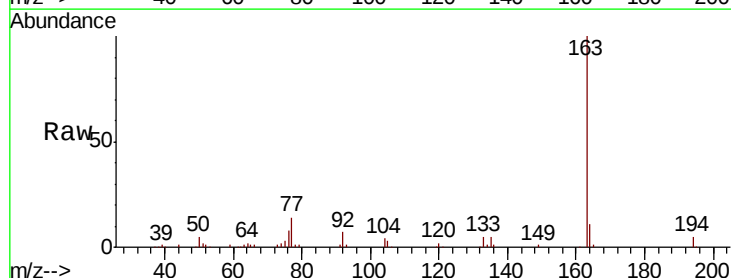
Tgt Ion: 65 Resp: 764

Ion Ratio Lower Upper

65 100

92 972.2 61.8 92.6#

138 0.0 111.0 166.6#

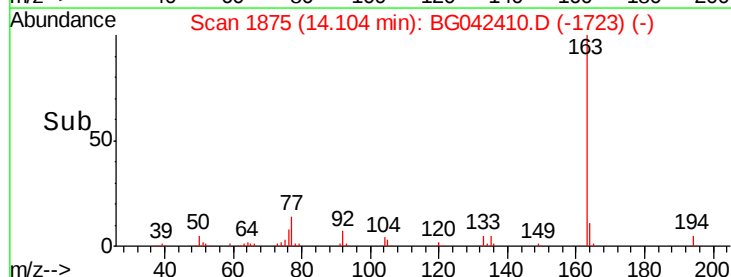


Abundance Ion 65.00 (64.70 to 65.70): BGC

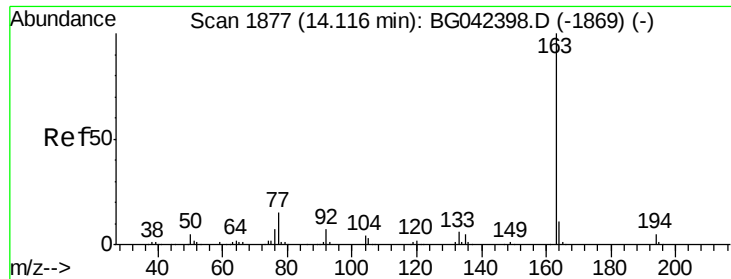
Ion 92.00 (91.70 to 92.70): BGC

Ion 138.00 (137.70 to 138.70): E

Time-->



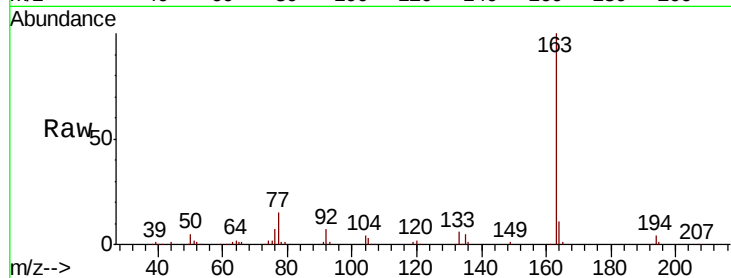
Time-->



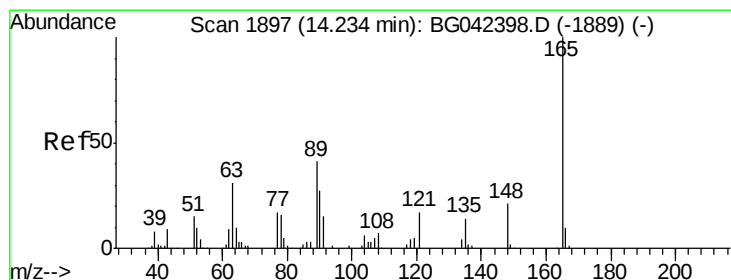
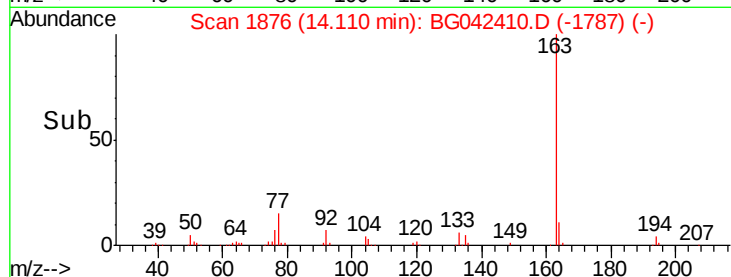
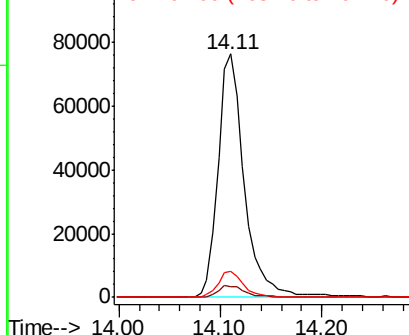
#50  
Dimethylphthalate  
Concen: 11.108 ng  
RT: 14.11 min Scan# 1876  
Delta R.T. -0.01 min  
Lab File: BG042410.D  
Acq: 22 Aug 2019 20:54

Instrument :  
BNA\_G  
ClientSampled :

Tot Ion:163 Resp: 137147  
Ion Ratio Lower Upper  
163 100  
194 4.5 4.2 6.2  
164 10.7 8.8 13.2

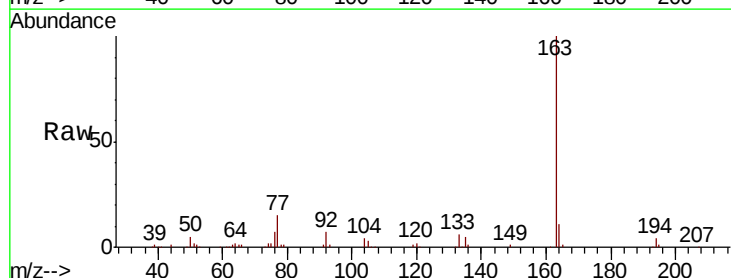


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

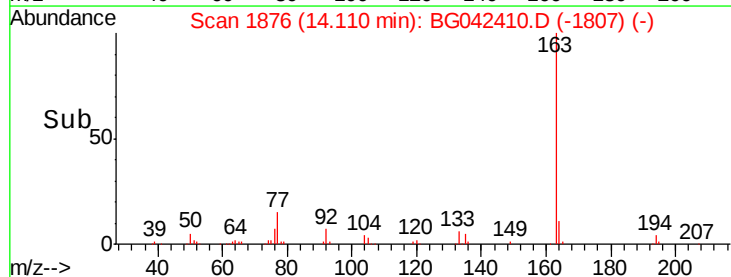
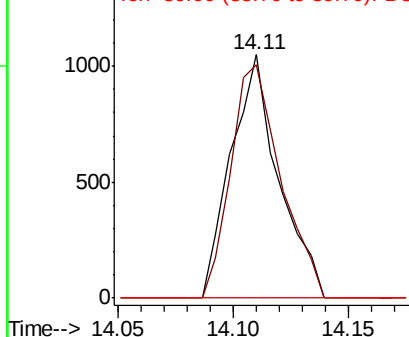


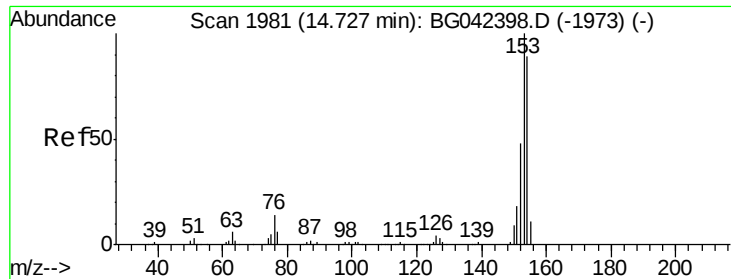
#51  
2,6-Dinitrotoluene  
Concen: 0.526 ng  
RT: 14.11 min Scan# 1876  
Delta R.T. -0.12 min  
Lab File: BG042410.D  
Acq: 22 Aug 2019 20:54

Tgt Ion:165 Resp: 1506  
Ion Ratio Lower Upper  
165 100  
63 95.9 30.6 45.8#  
89 0.0 32.6 49.0#



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: 0.063 ng

RT: 14.67 min Scan# 1971

Delta R.T. -0.06 min

Lab File: BG042410.D

Acq: 22 Aug 2019 20:54

Instrument :

BNA\_G

ClientSampleId :

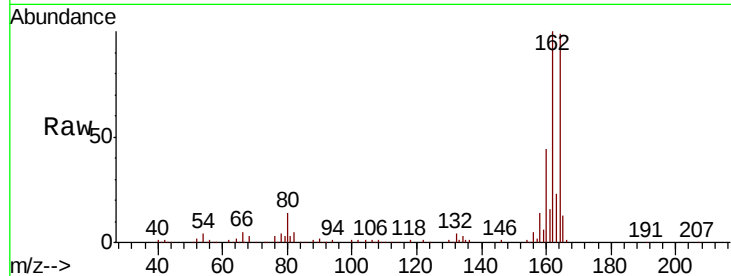
Tot Ion:154 Resp: 547

Ion Ratio Lower Upper

154 100

153 0.0 90.2 135.4#

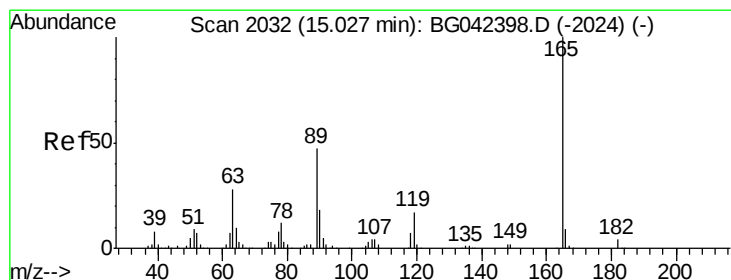
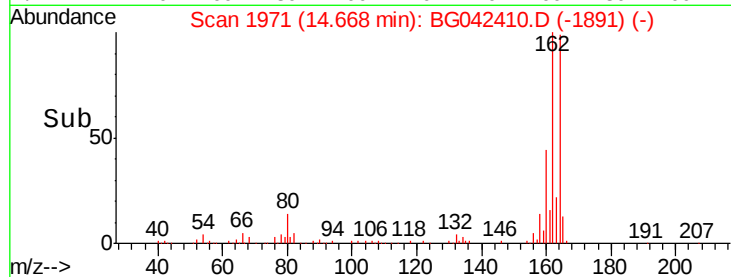
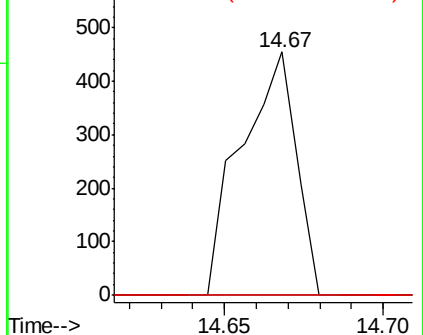
152 0.0 43.2 64.8#



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



#57

2,4-Dinitrotoluene

Concen: 5.519 ng

RT: 14.66 min Scan# 1970

Delta R.T. -0.36 min

Lab File: BG042410.D

Acq: 22 Aug 2019 20:54

Tgt Ion:165 Resp: 22620

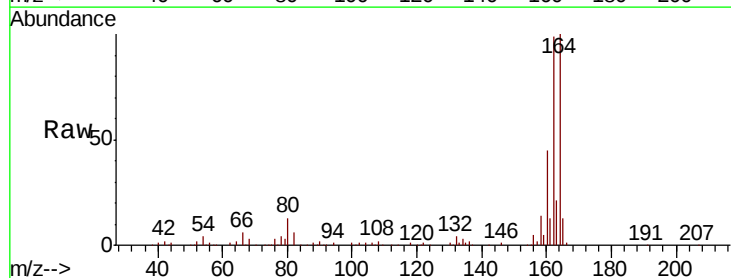
Ion Ratio Lower Upper

165 100

63 0.0 22.5 33.7#

89 1.4 37.8 56.6#

182 0.0 3.0 4.4#

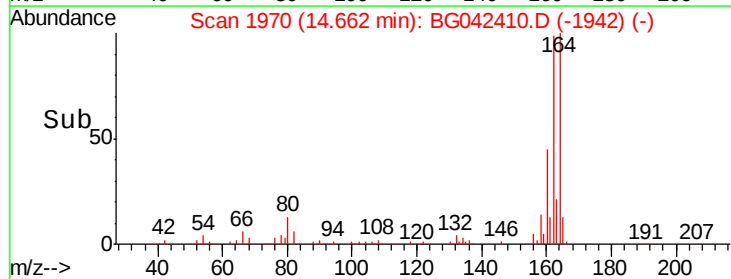
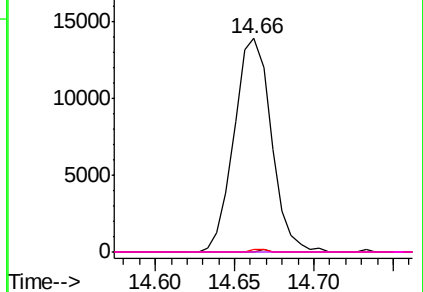


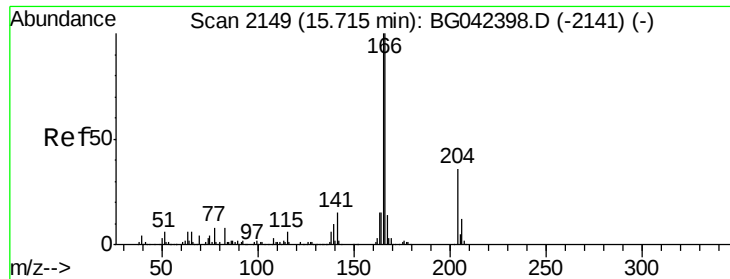
Abundance Ion 165.00 (164.70 to 165.70): E

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: 0.158 ng

RT: 16.15 min Scan# 2224

Delta R.T. 0.44 min

Lab File: BG042410.D

Acq: 22 Aug 2019 20:54

Instrument :

BNA\_G

ClientSampleId :

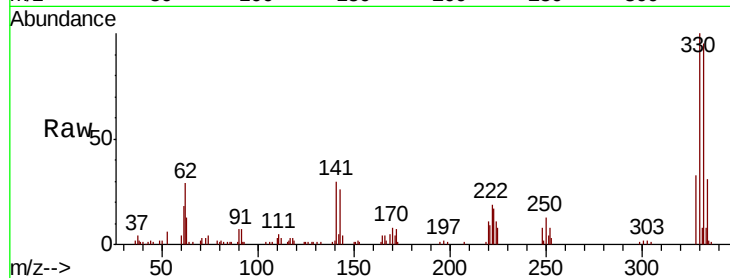
Tot Ion:166 Resp: 1860

Ion Ratio Lower Upper

166 100

165 85.6 79.7 119.5

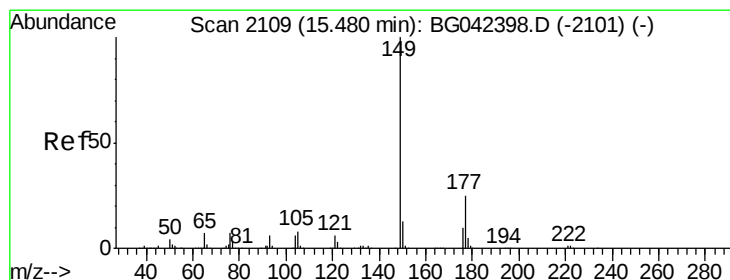
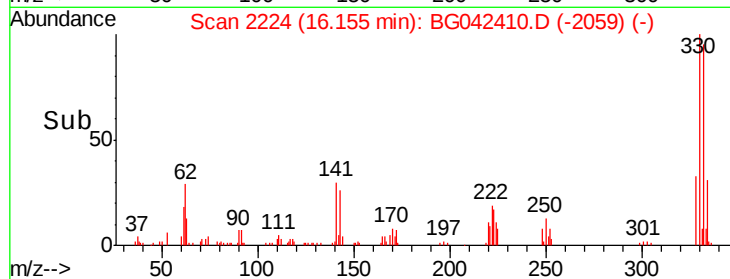
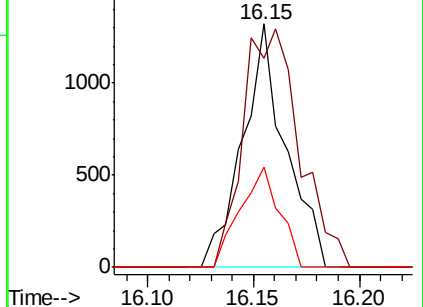
167 41.2 10.9 16.3#



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: 0.104 ng

RT: 15.48 min Scan# 2109

Delta R.T. -0.00 min

Lab File: BG042410.D

Acq: 22 Aug 2019 20:54

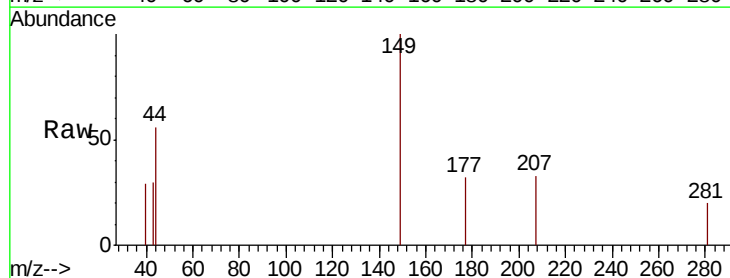
Tgt Ion:149 Resp: 1256

Ion Ratio Lower Upper

149 100

177 32.1 20.4 30.6#

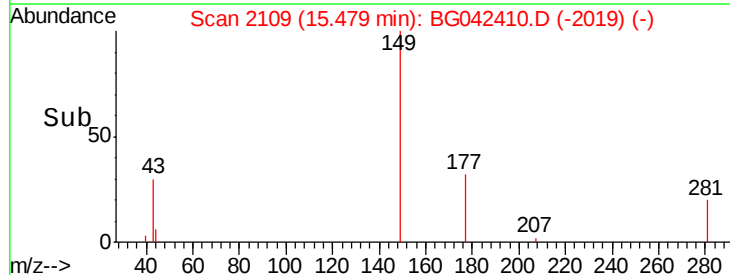
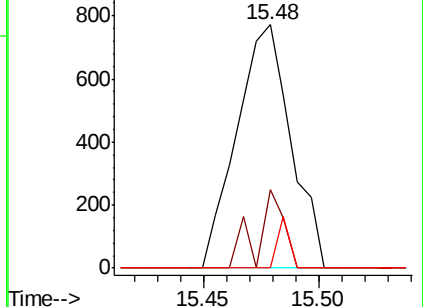
150 0.0 10.3 15.5#

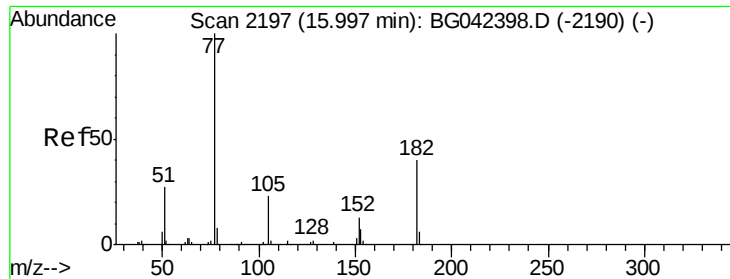


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

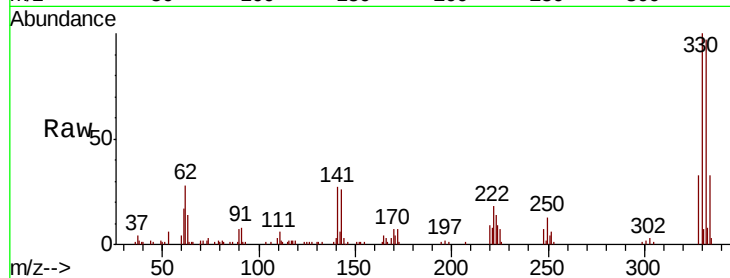




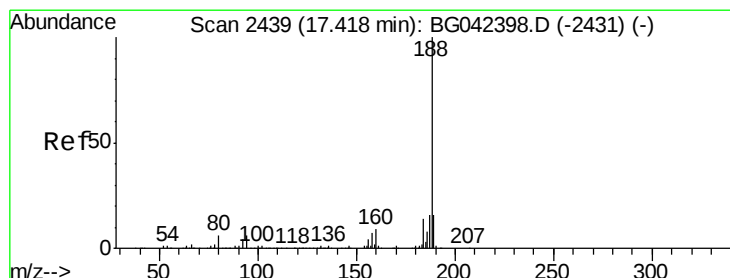
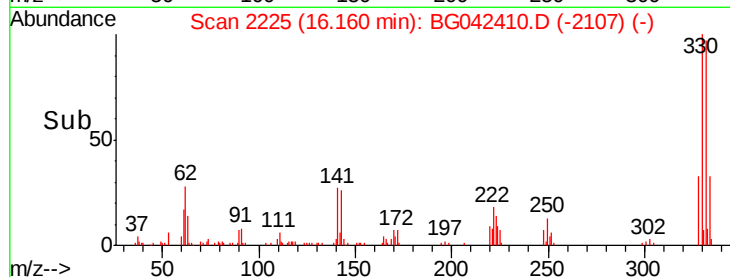
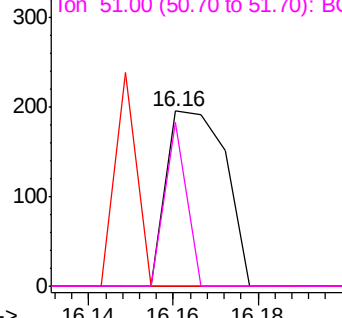
#63  
Azobenzene  
Concen: 0.023 ng  
RT: 16.16 min Scan# 2225  
Delta R.T. 0.16 min  
Lab File: BG042410.D  
Acq: 22 Aug 2019 20:54

Instrument :  
BNA\_G  
ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 77    | Resp: | 189   |
| Ion      | Ratio | Lower | Upper |
| 77       | 100   |       |       |
| 182      | 0.0   | 19.9  | 59.9# |
| 105      | 0.0   | 2.9   | 42.9# |
| 51       | 93.8  | 7.6   | 47.6# |

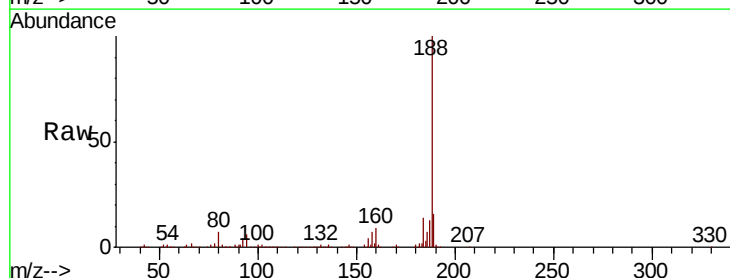


Abundance Ion 77.00 (76.70 to 77.70): BGC  
Ion 182.00 (181.70 to 182.70): BGC  
Ion 105.00 (104.70 to 105.70): BGC  
Ion 51.00 (50.70 to 51.70): BGC

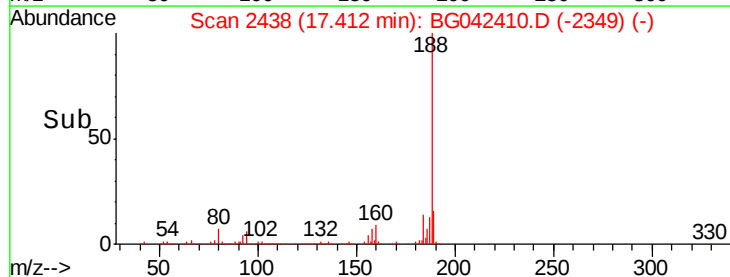
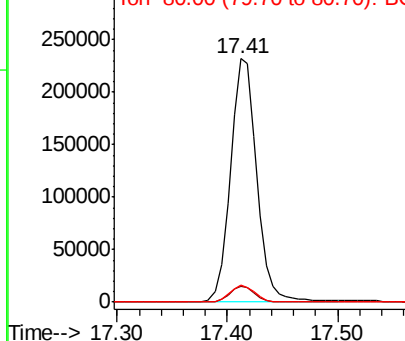


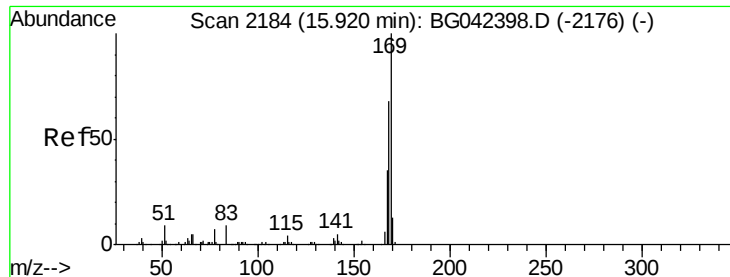
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.41 min Scan# 2438  
Delta R.T. -0.01 min  
Lab File: BG042410.D  
Acq: 22 Aug 2019 20:54

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 188   | Resp: | 387345 |
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 6.4   | 4.5   | 6.7    |
| 80       | 7.0   | 4.9   | 7.3    |



Abundance Ion 188.00 (187.70 to 188.70): BGC  
Ion 94.00 (93.70 to 94.70): BGC  
Ion 80.00 (79.70 to 80.70): BGC

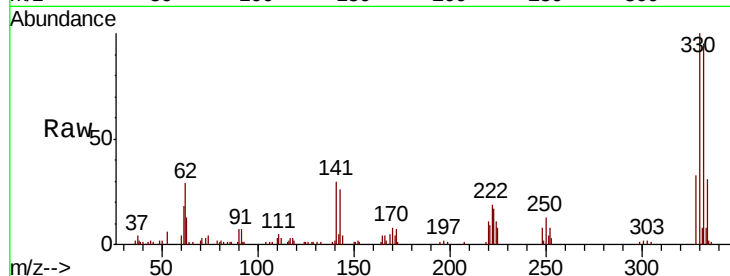




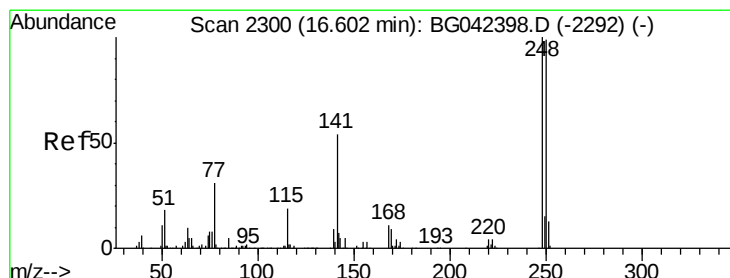
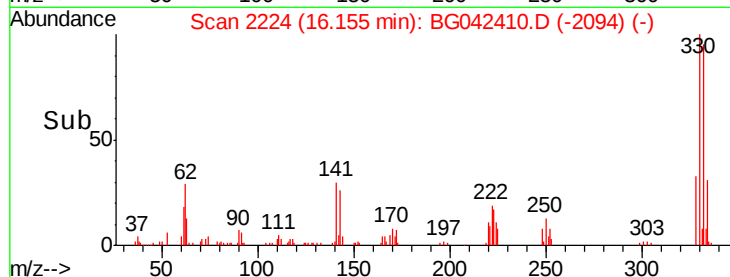
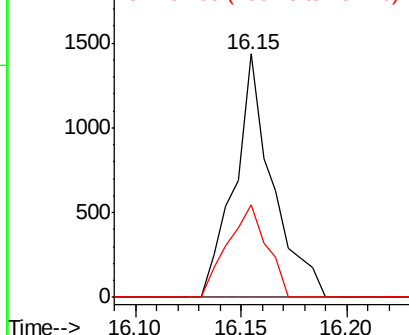
#66  
 n-Nitrosodiphenylamine  
 Concen: 0.167 ng  
 RT: 16.15 min Scan# 2224  
 Delta R.T. 0.23 min  
 Lab File: BG042410.D  
 Acq: 22 Aug 2019 20:54

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:169 Resp: 1780  
 Ion Ratio Lower Upper  
 169 100  
 168 0.0 54.3 81.5#  
 167 38.0 28.2 42.2

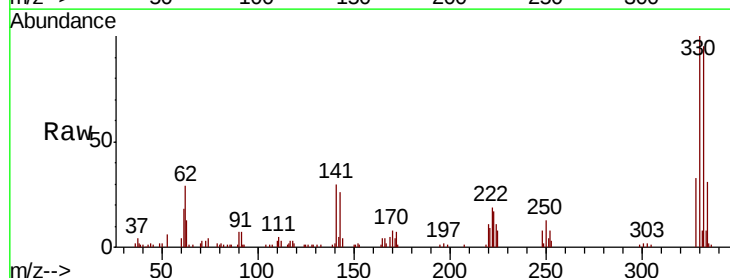


Abundance Ion 169.00 (168.70 to 169.70): E  
 Ion 168.00 (167.70 to 168.70): E  
 Ion 167.00 (166.70 to 167.70): E

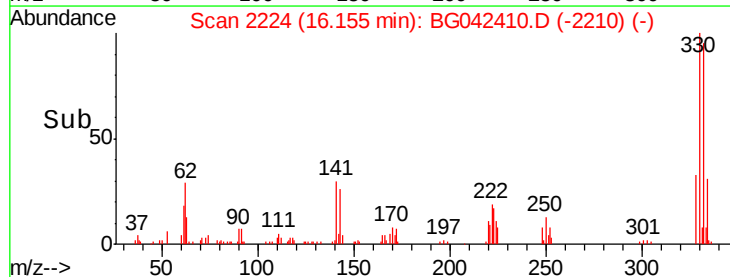
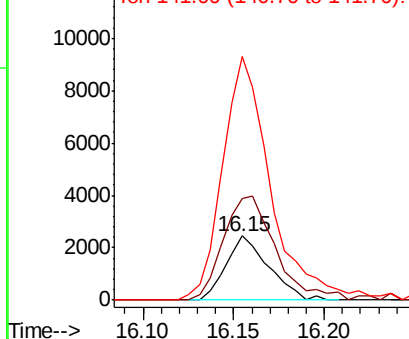


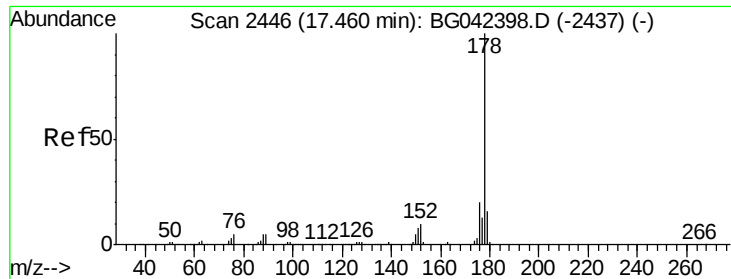
#67  
 4-Bromophenyl-phenylether  
 Concen: 0.813 ng  
 RT: 16.15 min Scan# 2224  
 Delta R.T. -0.45 min  
 Lab File: BG042410.D  
 Acq: 22 Aug 2019 20:54

Tgt Ion:248 Resp: 3995  
 Ion Ratio Lower Upper  
 248 100  
 250 159.4 78.9 118.3#  
 141 381.3 43.3 64.9#



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

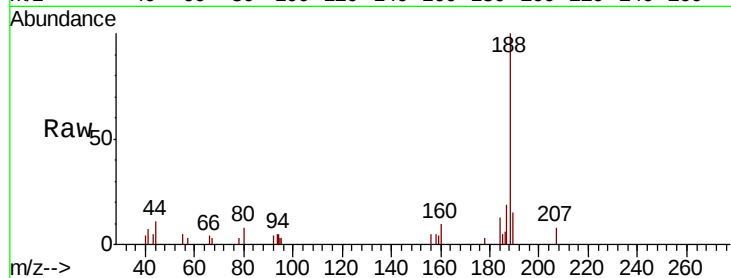




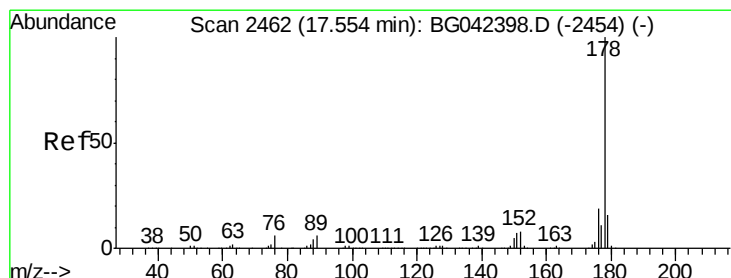
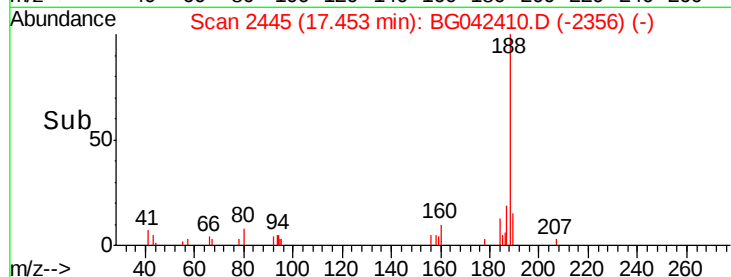
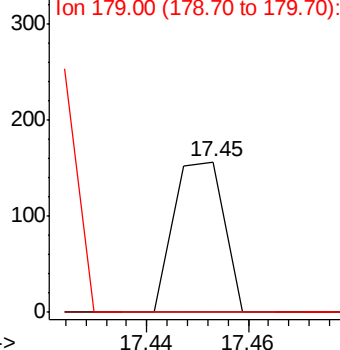
#71  
Phenanthrene  
Concen: 0.006 ng  
RT: 17.45 min Scan# 2445  
Delta R.T. -0.01 min  
Lab File: BG042410.D  
Acq: 22 Aug 2019 20:54

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:178 Resp: 109  
Ion Ratio Lower Upper  
178 100  
176 0.0 15.9 23.9#  
179 0.0 12.7 19.1#

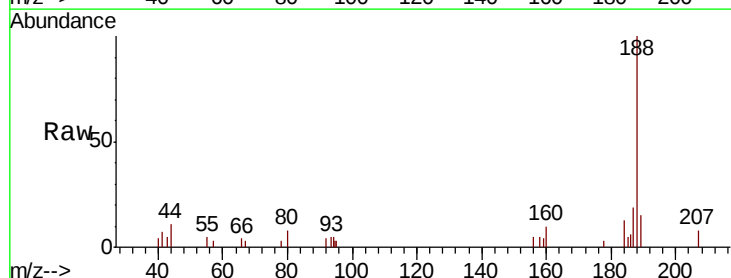


Abundance Ion 178.00 (177.70 to 178.70): E  
Ion 176.00 (175.70 to 176.70): E  
Ion 179.00 (178.70 to 179.70): E

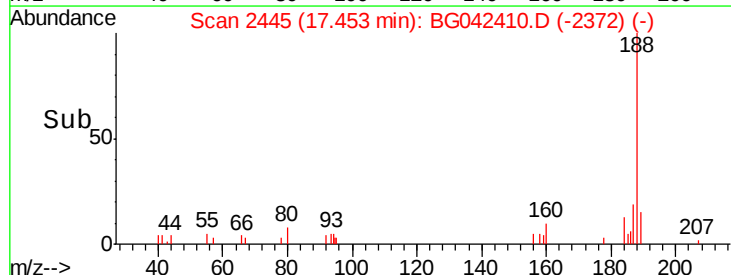
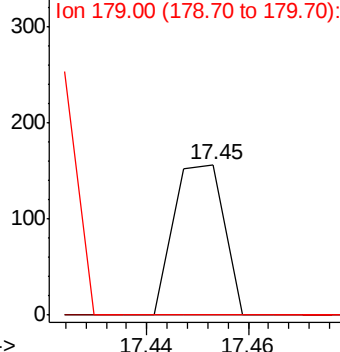


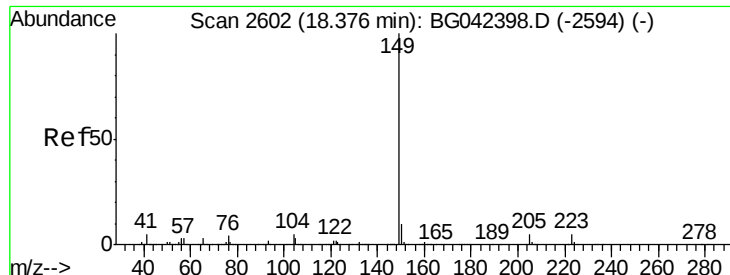
#72  
Anthracene  
Concen: 0.006 ng  
RT: 17.45 min Scan# 2445  
Delta R.T. -0.10 min  
Lab File: BG042410.D  
Acq: 22 Aug 2019 20:54

Tgt Ion:178 Resp: 109  
Ion Ratio Lower Upper  
178 100  
176 0.0 15.5 23.3#  
179 0.0 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





#74

Di-n-butylphthalate

Concen: 0.067 ng

RT: 18.38 min Scan# 2602

Delta R.T. -0.00 min

Lab File: BG042410.D

Acq: 22 Aug 2019 20:54

Instrument :

BNA\_G

ClientSampleId :

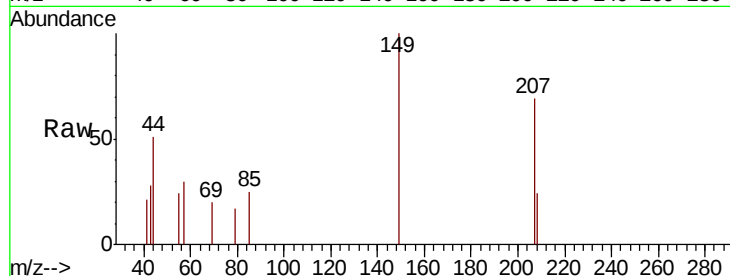
Tot Ion:149 Resp: 1365

Ion Ratio Lower Upper

149 100

150 0.0 8.1 12.1#

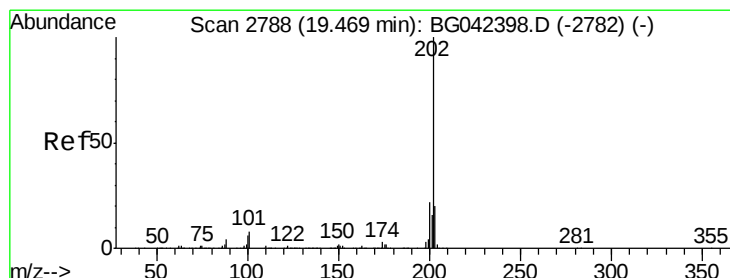
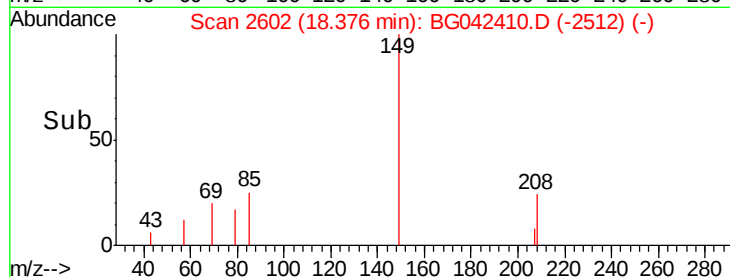
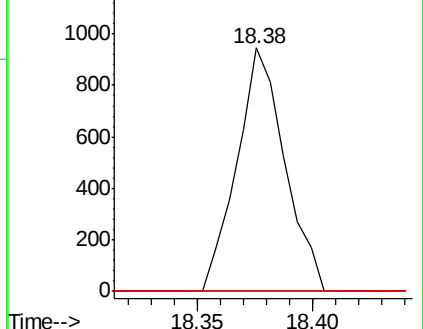
104 0.0 3.7 5.5#



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



#75

Fluoranthene

Concen: 0.013 ng

RT: 19.47 min Scan# 2789

Delta R.T. 0.01 min

Lab File: BG042410.D

Acq: 22 Aug 2019 20:54

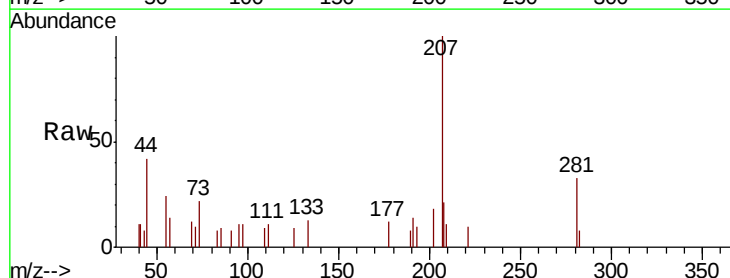
Tgt Ion:202 Resp: 301

Ion Ratio Lower Upper

202 100

101 0.0 0.0 28.3

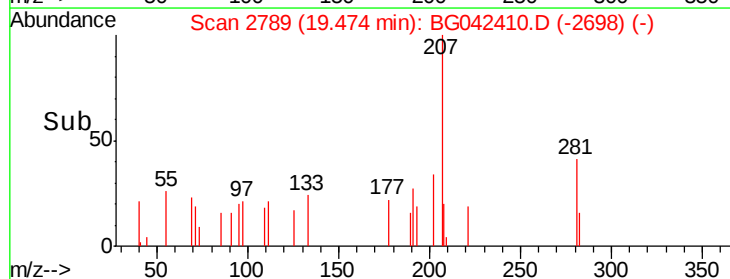
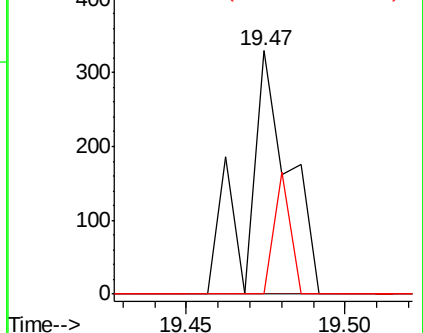
203 0.0 0.0 39.6

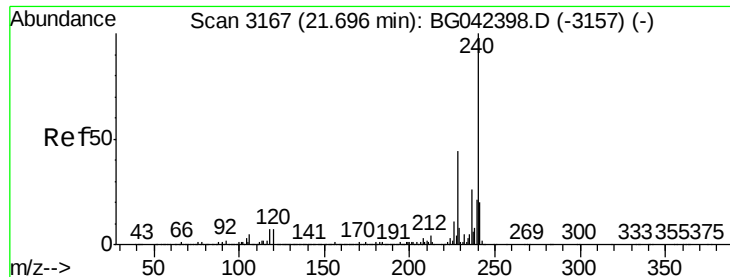


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

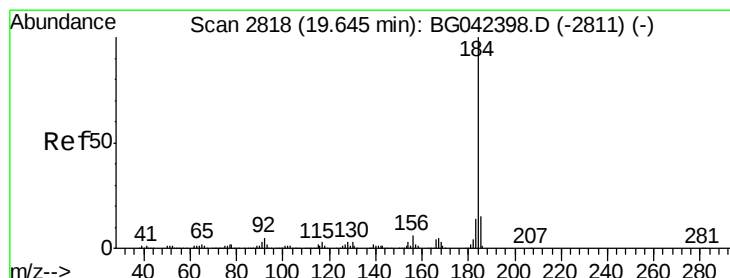
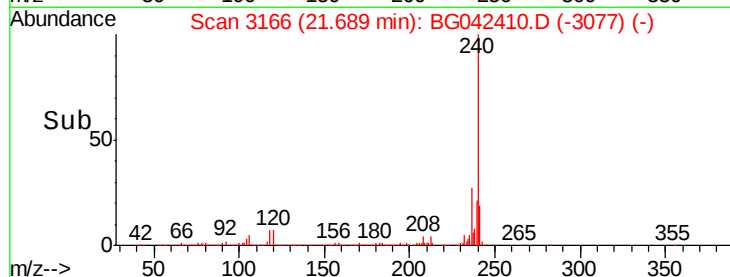
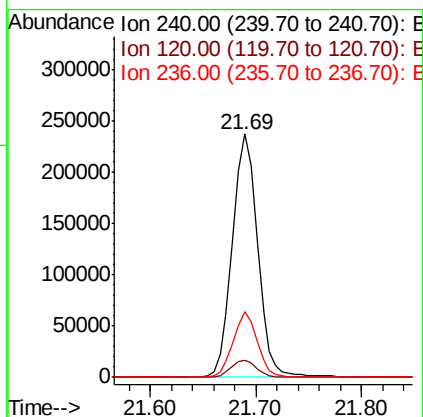
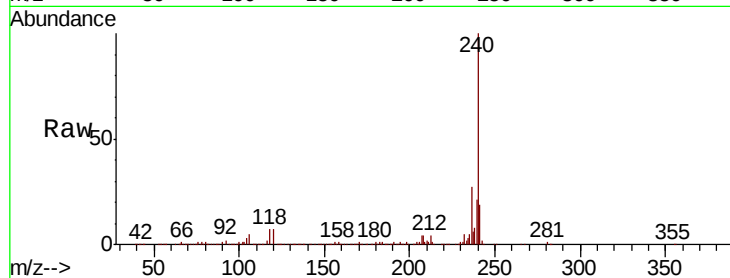




#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 21.69 min Scan# 3166  
 Delta R.T. -0.01 min  
 Lab File: BG042410.D  
 Acq: 22 Aug 2019 20:54

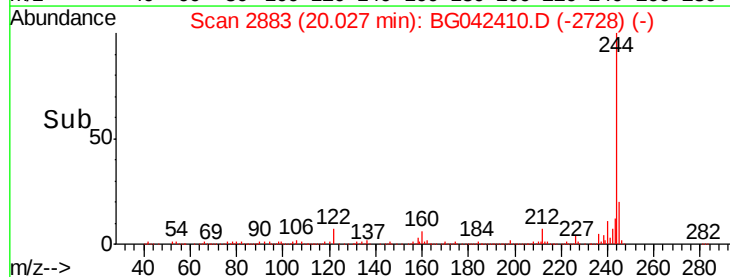
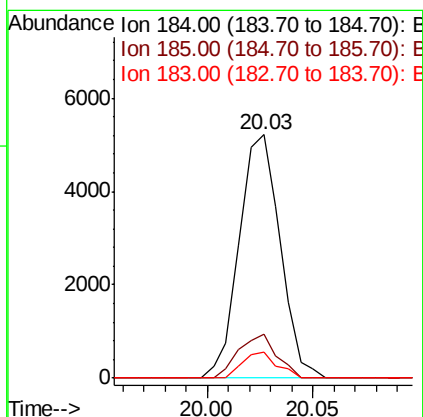
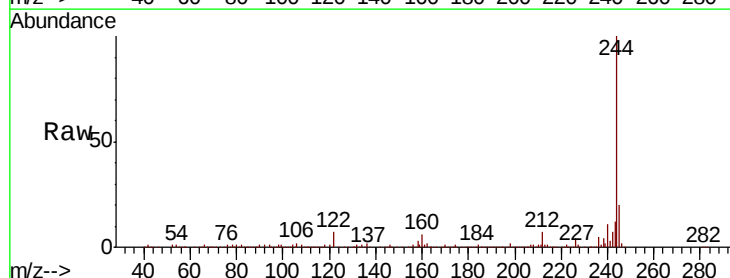
Instrument :  
 BNA\_G  
 ClientSampleId :

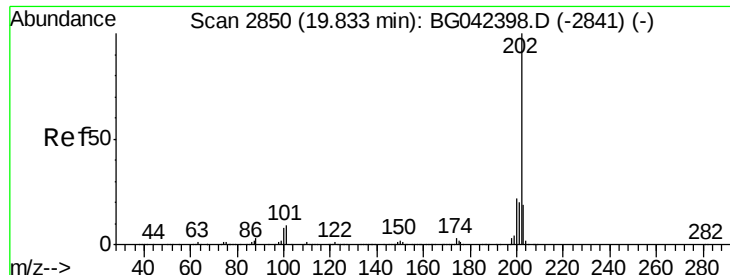
Tot Ion:240 Resp: 394574  
 Ion Ratio Lower Upper  
 240 100  
 120 7.0 5.7 8.5  
 236 26.7 21.0 31.4



#77  
 Benzidine  
 Concen: 0.618 ng  
 RT: 20.03 min Scan# 2883  
 Delta R.T. 0.38 min  
 Lab File: BG042410.D  
 Acq: 22 Aug 2019 20:54

Tgt Ion:184 Resp: 6994  
 Ion Ratio Lower Upper  
 184 100  
 185 18.0 12.2 18.4  
 183 10.5 10.8 16.2#





#78

Pvrene

Concen: 0.015 ng

RT: 19.84 min Scan# 2852

Delta R.T. 0.01 min

Lab File: BG042410.D

Acq: 22 Aug 2019 20:54

Instrument :

BNA\_G

ClientSampled :

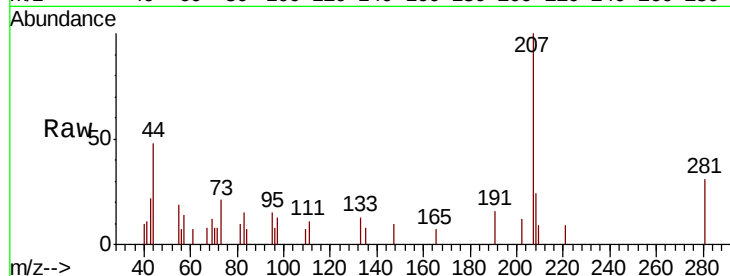
Tot Ion:202 Resp: 354

Ion Ratio Lower Upper

202 100

200 0.0 17.8 26.6#

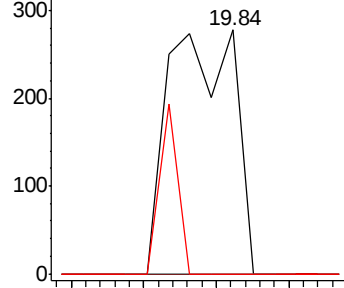
203 0.0 15.5 23.3#



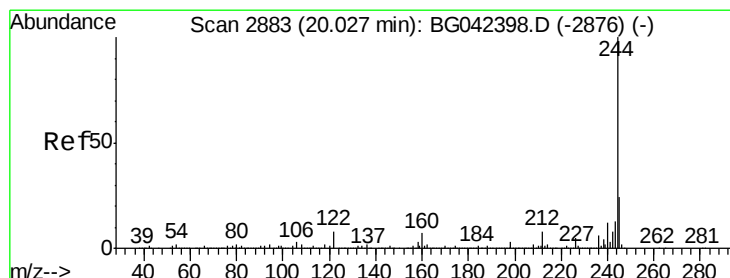
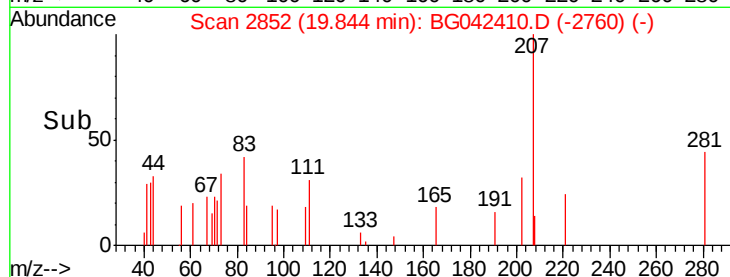
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#79

Terphenyl-d14

Concen: 32.864 ng

RT: 20.03 min Scan# 2883

Delta R.T. -0.00 min

Lab File: BG042410.D

Acq: 22 Aug 2019 20:54

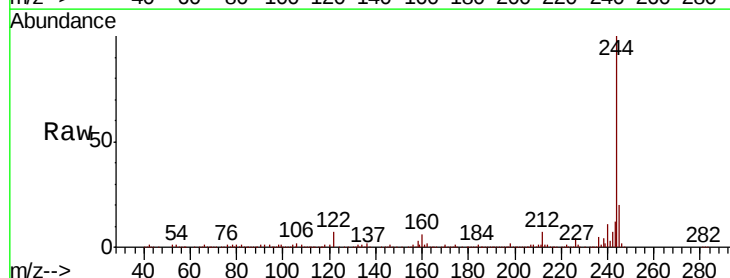
Tgt Ion:244 Resp: 599811

Ion Ratio Lower Upper

244 100

212 6.7 6.0 9.0

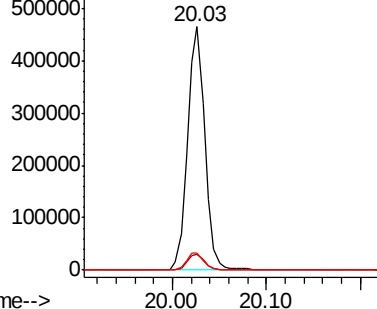
122 6.9 6.7 10.1



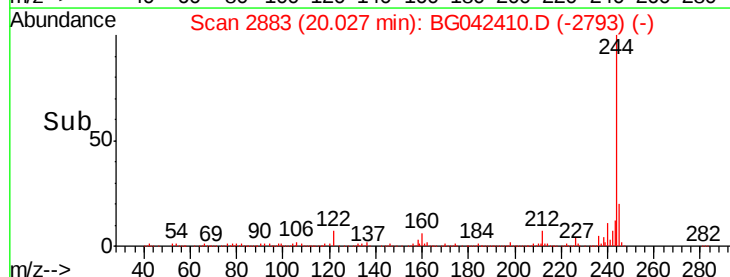
Abundance Ion 244.00 (243.70 to 244.70): E

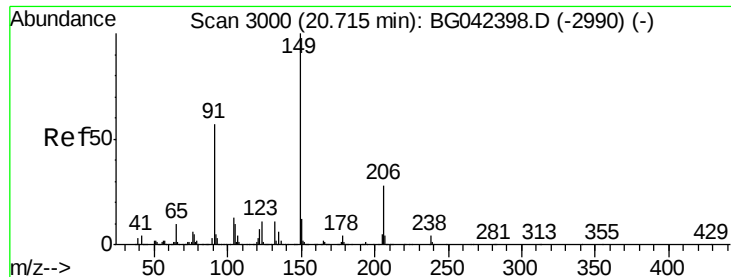
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->

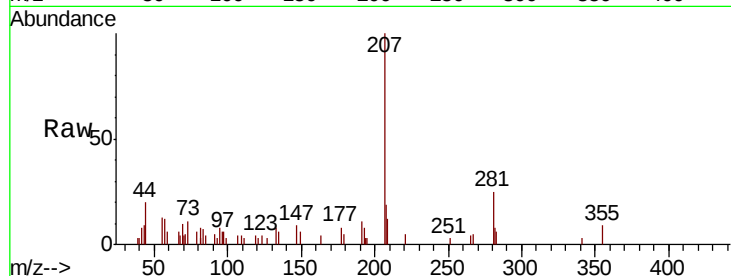




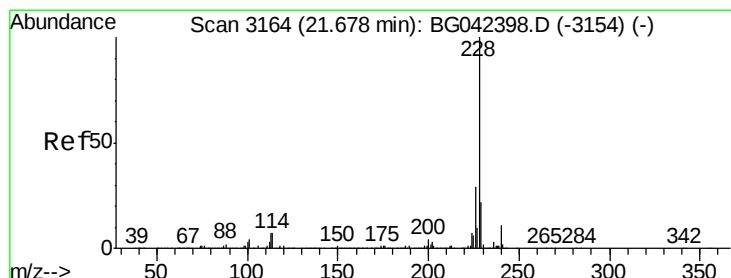
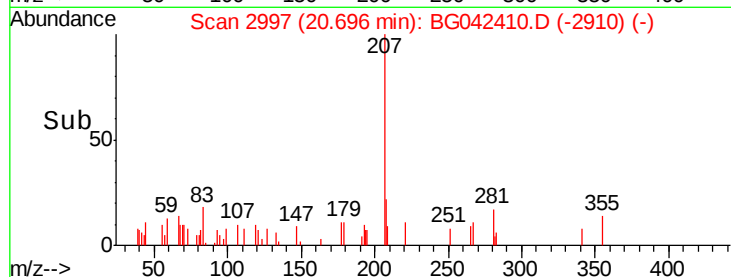
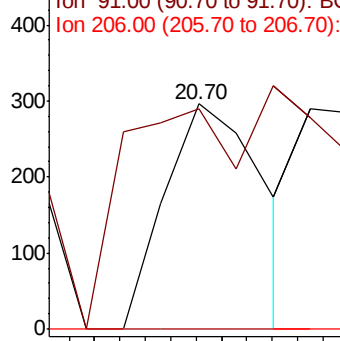
#80  
Butylbenzylphthalate  
Concen: 0.033 ng  
RT: 20.70 min Scan# 2997  
Delta R.T. -0.02 min  
Lab File: BG042410.D  
Acq: 22 Aug 2019 20:54

Instrument :  
BNA\_G  
ClientSampled :

Tot Ion:149 Resp: 315  
Ion Ratio Lower Upper  
149 100  
91 97.6 45.9 68.9#  
206 0.0 22.5 33.7#

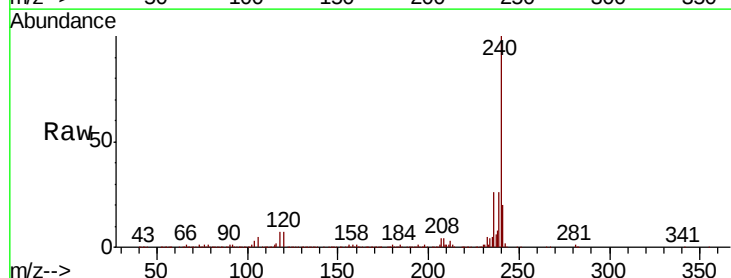


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 91.00 (90.70 to 91.70): BG  
Ion 206.00 (205.70 to 206.70): E

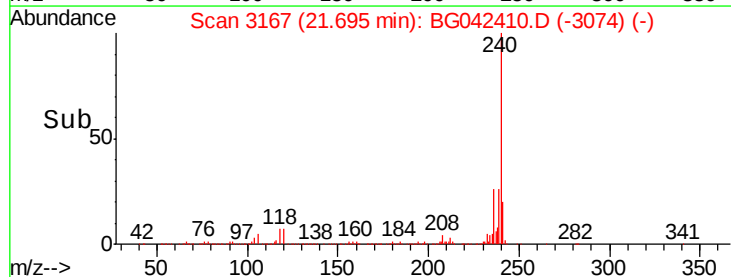
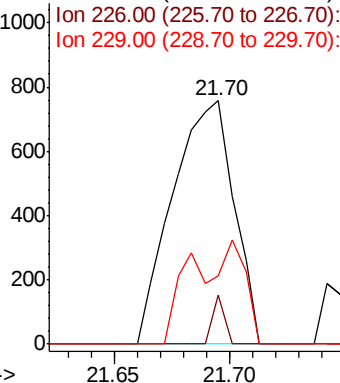


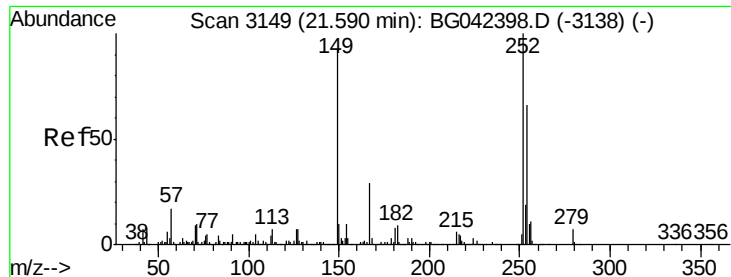
#81  
Benzo(a)anthracene  
Concen: 0.058 ng  
RT: 21.70 min Scan# 3167  
Delta R.T. 0.02 min  
Lab File: BG042410.D  
Acq: 22 Aug 2019 20:54

Tgt Ion:228 Resp: 1397  
Ion Ratio Lower Upper  
228 100  
226 20.3 23.4 35.2#  
229 28.2 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

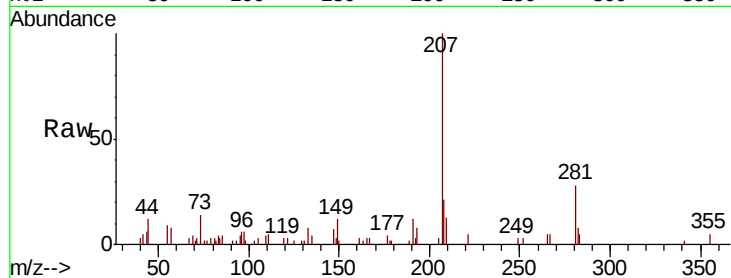




#82  
 3,3'-Dichlorobenzidine  
 Concen: 0.009 ng  
 RT: 21.60 min Scan# 3150  
 Delta R.T. 0.01 min  
 Lab File: BG042410.D  
 Acq: 22 Aug 2019 20:54

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 0.0   | 53.0  | 79.4# |
| 126     | 0.0   | 5.7   | 8.5#  |

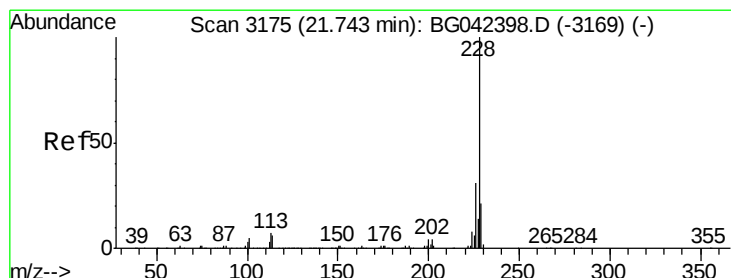
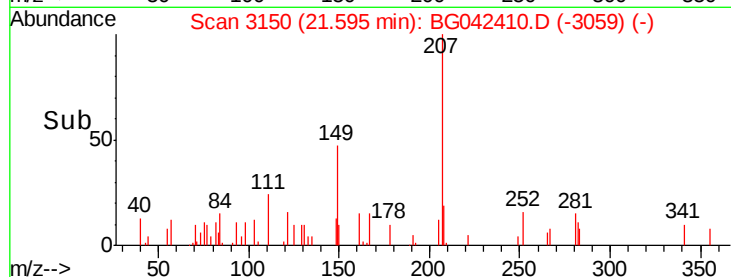
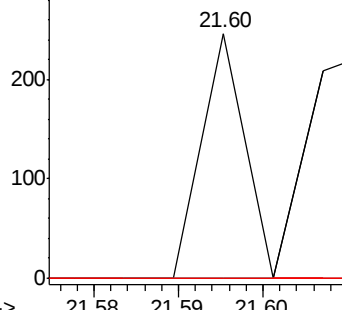


Abundance

Ion 252.00 (251.70 to 252.70): E

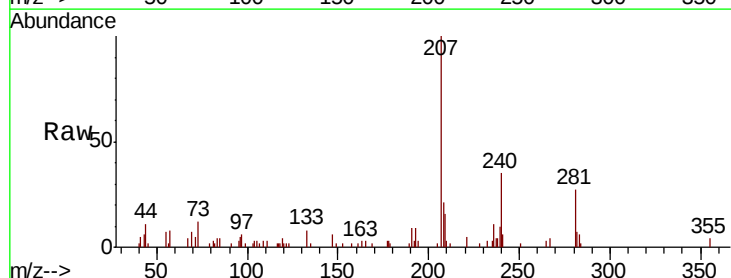
Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



#83  
 Chrysene  
 Concen: 0.008 ng  
 RT: 21.74 min Scan# 3175  
 Delta R.T. -0.00 min  
 Lab File: BG042410.D  
 Acq: 22 Aug 2019 20:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 0.0   | 24.9  | 37.3# |
| 229     | 0.0   | 16.9  | 25.3# |

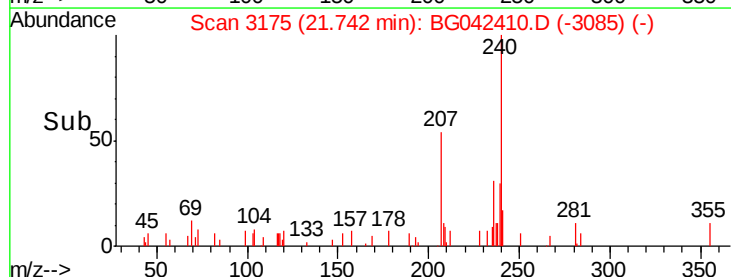
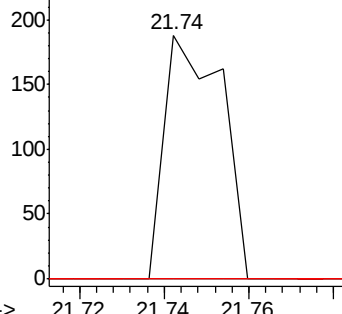


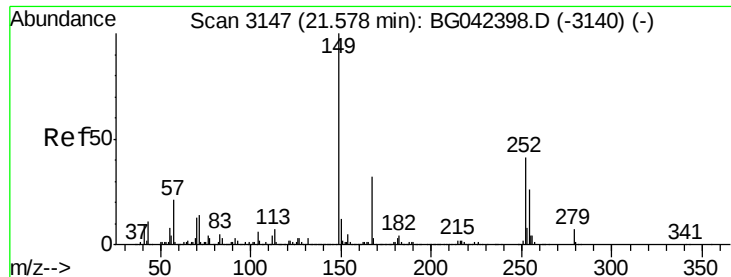
Abundance

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

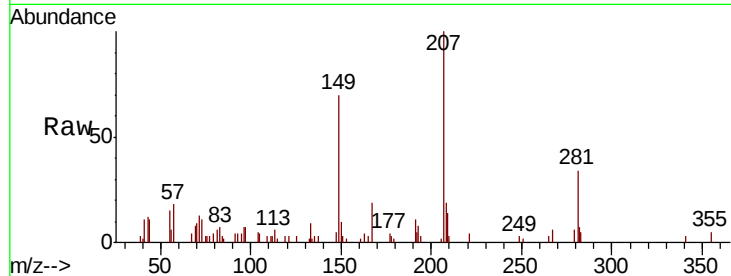




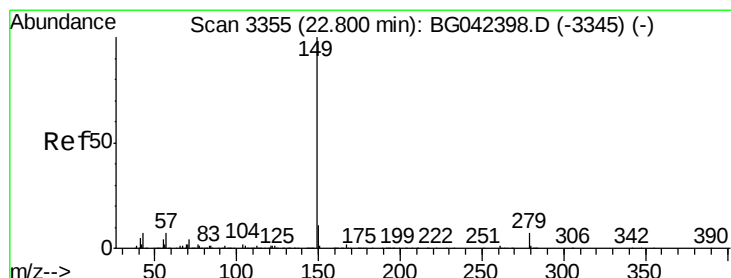
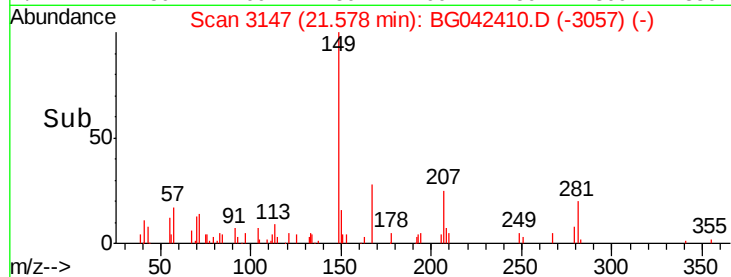
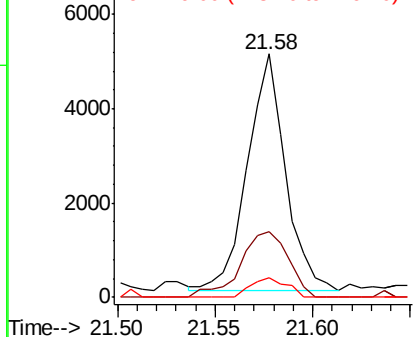
#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.507 ng  
 RT: 21.58 min Scan# 3147  
 Delta R.T. -0.00 min  
 Lab File: BG042410.D  
 Acq: 22 Aug 2019 20:54

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 26.8  | 26.0  | 39.0  |
| 279     | 8.1   | 5.4   | 8.0#  |

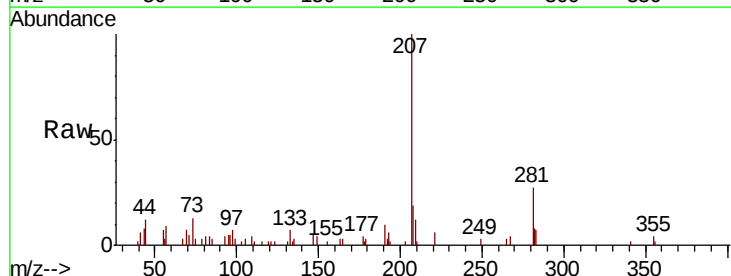


Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 167.00 (166.70 to 167.70): E  
 Ion 279.00 (278.70 to 279.70): E

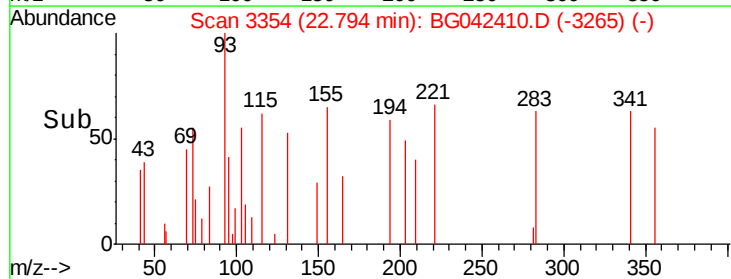
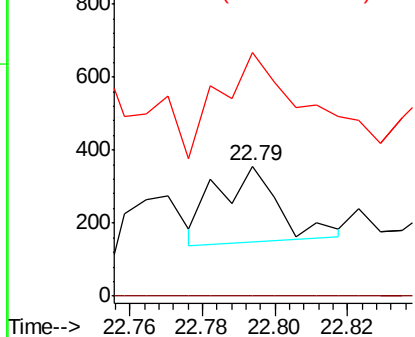


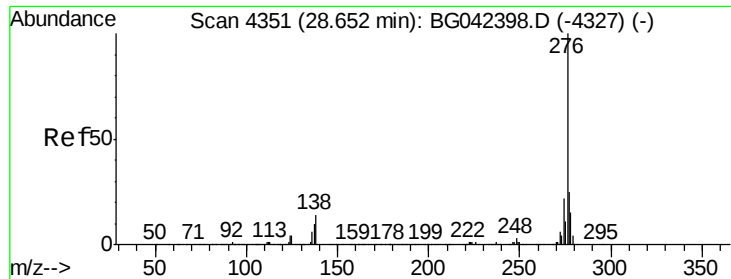
#85  
 Di-n-octyl phthalate  
 Concen: 0.011 ng  
 RT: 22.79 min Scan# 3354  
 Delta R.T. -0.01 min  
 Lab File: BG042410.D  
 Acq: 22 Aug 2019 20:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 0.0   | 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

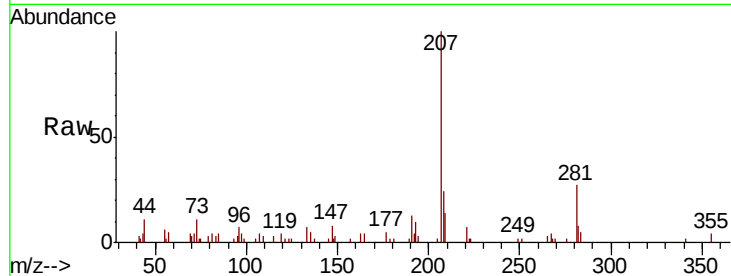




#86  
Indeno(1,2,3-cd)pyrene  
Concen: 0.002 ng  
RT: 28.66 min Scan# 4352  
Delta R.T. 0.01 min  
Lab File: BG042410.D  
Acq: 22 Aug 2019 20:54

Instrument :  
BNA\_G  
ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 0.0   | 9.2   | 13.8# |
| 277     | 0.0   | 21.0  | 31.6# |



Abundance

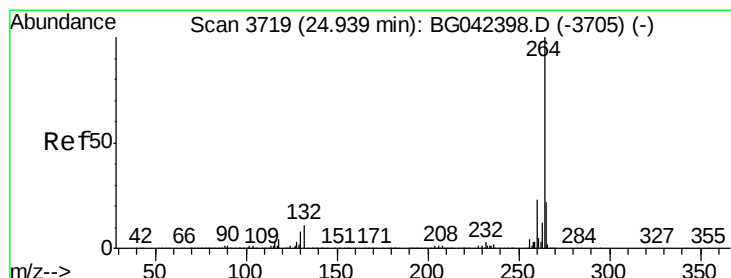
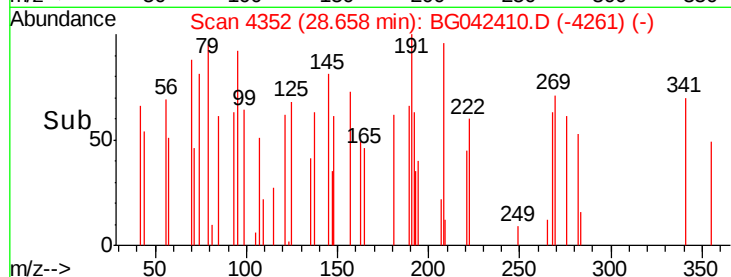
Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

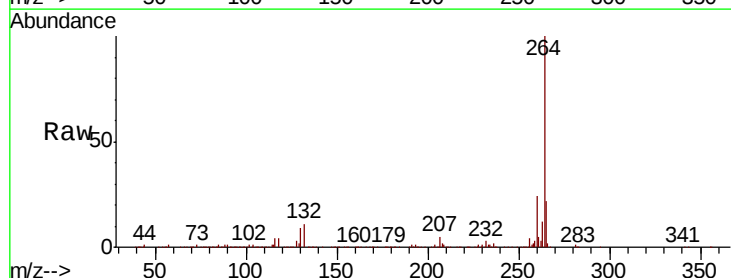
28.66

Time-->



#87  
Perylene-d12  
Concen: 20.000 ng  
RT: 24.93 min Scan# 3718  
Delta R.T. -0.01 min  
Lab File: BG042410.D  
Acq: 22 Aug 2019 20:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.9  | 18.5  | 27.7  |
| 265     | 22.2  | 17.6  | 26.4  |



Abundance

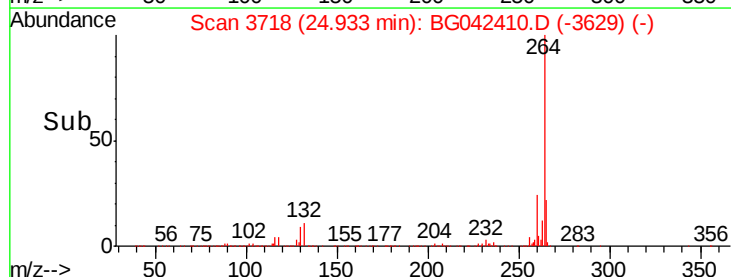
Ion 264.00 (263.70 to 264.70): E

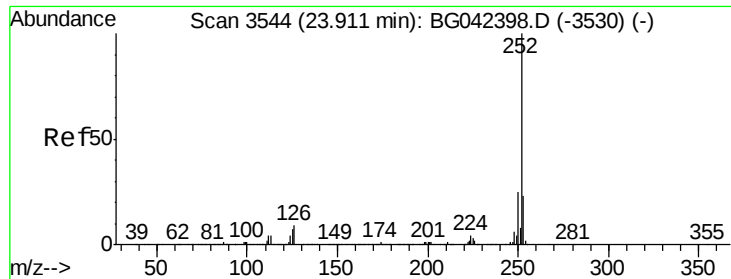
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

24.93

Time-->





#88

Benzo(b)fluoranthene

Concen: 0.005 ng

RT: 23.90 min Scan# 3542

Delta R.T. -0.01 min

Lab File: BG042410.D

Acq: 22 Aug 2019 20:54

Instrument :

BNA\_G

ClientSampled :

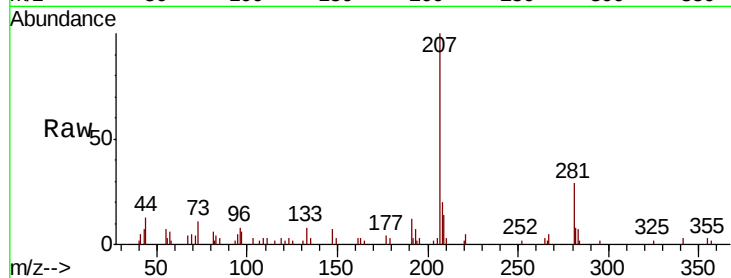
Tot Ion:252 Resp: 117

Ion Ratio Lower Upper

252 100

253 0.0 18.6 27.8#

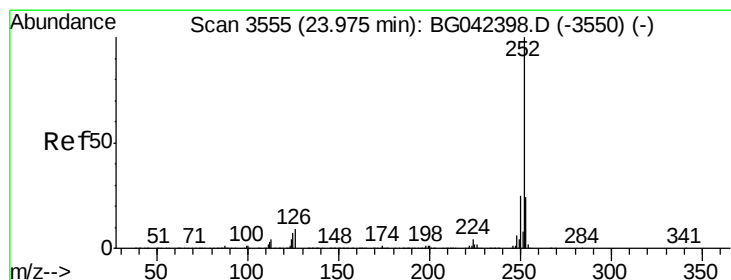
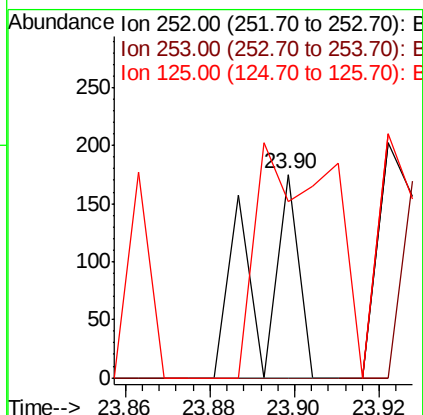
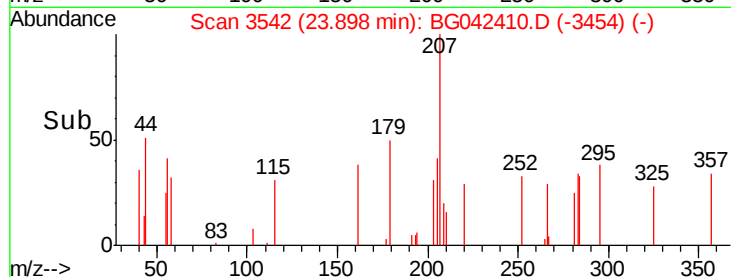
125 86.9 5.6 8.4#



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: 0.003 ng

RT: 23.95 min Scan# 3551

Delta R.T. -0.02 min

Lab File: BG042410.D

Acq: 22 Aug 2019 20:54

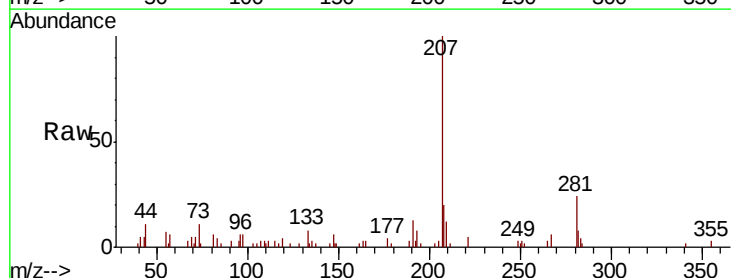
Tgt Ion:252 Resp: 75

Ion Ratio Lower Upper

252 100

253 0.0 18.6 27.8#

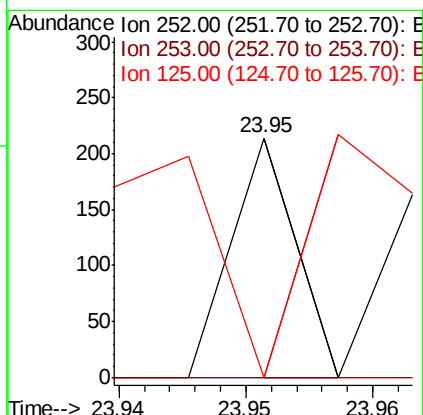
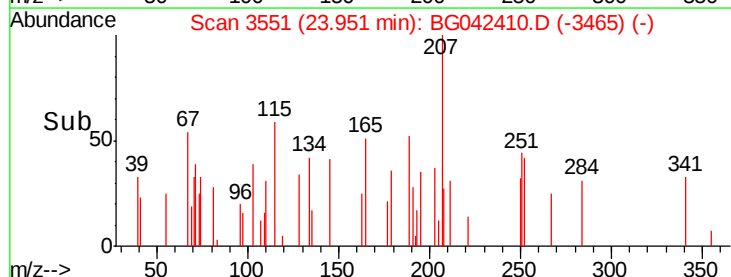
125 0.0 5.8 8.6#

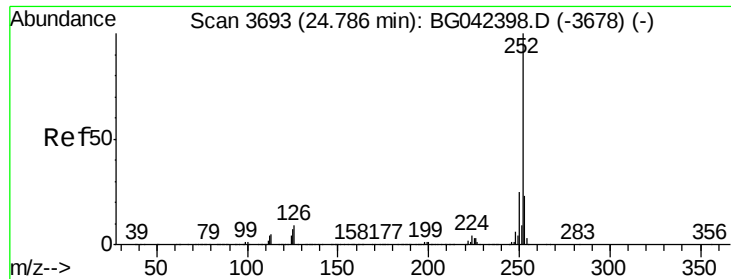


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

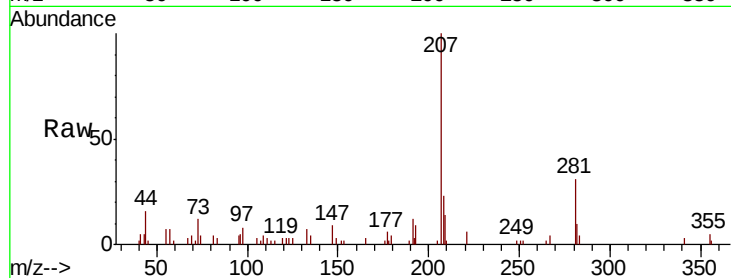




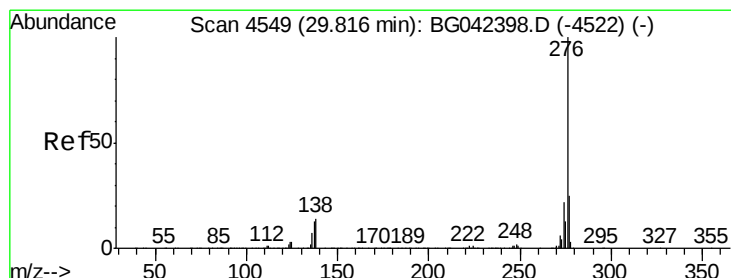
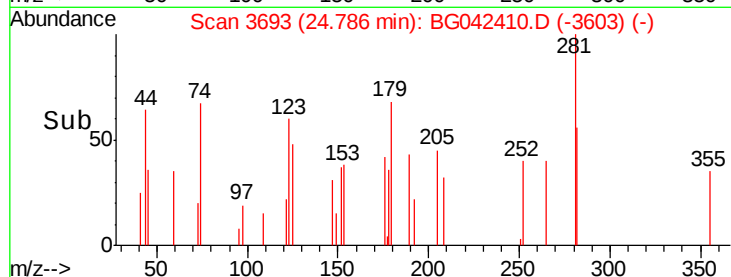
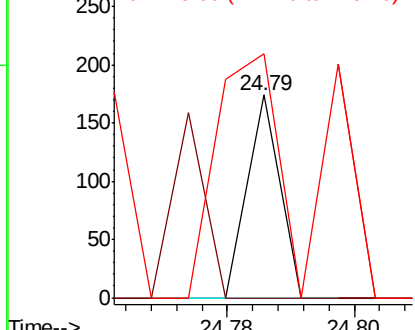
#90  
Benzo(a)pyrene  
Concen: 0.003 ng  
RT: 24.79 min Scan# 3693  
Delta R.T. -0.00 min  
Lab File: BG042410.D  
Acq: 22 Aug 2019 20:54

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:252 Resp: 61  
Ion Ratio Lower Upper  
252 100  
253 0.0 18.4 27.6#  
125 120.1 6.0 9.0#

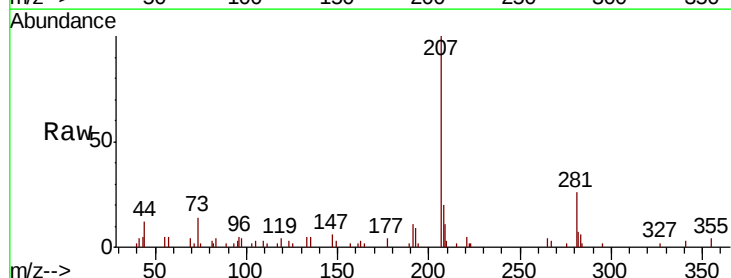


Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E



#92  
Benzo(g,h,i)perylene  
Concen: 0.005 ng  
RT: 29.84 min Scan# 4553  
Delta R.T. 0.02 min  
Lab File: BG042410.D  
Acq: 22 Aug 2019 20:54

Tgt Ion:276 Resp: 119  
Ion Ratio Lower Upper  
276 100  
277 0.0 19.8 29.8#  
138 0.0 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

