

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG031919\  
 Data File : BG040007.D  
 Acq On : 19 Mar 2019 17:59  
 Operator : JU/SJ  
 Sample : K1958-01  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-1

Quant Time: Mar 20 04:10:16 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG030419.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 04 14:38:15 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.14  | 152  | 41601    | 20.00 | ng    | -0.03    |
| 21) Naphthalene-d8        | 10.96 | 136  | 175490   | 20.00 | ng    | -0.03    |
| 39) Acenaphthene-d10      | 14.77 | 164  | 116648   | 20.00 | ng    | -0.02    |
| 64) Phenanthrene-d10      | 17.51 | 188  | 281373   | 20.00 | ng    | -0.02    |
| 76) Chrysene-d12          | 21.80 | 240  | 301064   | 20.00 | ng    | -0.03    |
| 87) Perylene-d12          | 25.16 | 264  | 303868   | 20.00 | ng    | -0.04    |

|                             |       |     |        |        |    |       |
|-----------------------------|-------|-----|--------|--------|----|-------|
| System Monitoring Compounds |       |     |        |        |    |       |
| 5) 2-Fluorophenol           | 5.69  | 112 | 312796 | 128.27 | ng | -0.02 |
| 7) Phenol-d6                | 7.29  | 99  | 448131 | 123.25 | ng | -0.02 |
| 23) Nitrobenzene-d5         | 9.32  | 82  | 273263 | 84.22  | ng | -0.03 |
| 42) 2,4,6-Tribromophenol    | 16.26 | 330 | 161592 | 118.85 | ng | -0.02 |
| 45) 2-Fluorobiphenyl        | 13.39 | 172 | 566832 | 69.19  | ng | -0.02 |
| 79) Terphenyl-d14           | 20.11 | 244 | 913534 | 66.81  | ng | -0.02 |

|                                |       |     |       |        |    |      |
|--------------------------------|-------|-----|-------|--------|----|------|
| Target Compounds               |       |     |       | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.41  | 88  | 53    | 0.047  | ng | # 1  |
| 3) Pyridine                    | 3.71  | 79  | 56    | 0.019  | ng | # 1  |
| 4) n-Nitrosodimethylamine      | 3.93  | 42  | 131   | 0.092  | ng | # 1  |
| 6) Aniline                     | 7.31  | 93  | 76    | 0.016  | ng | # 1  |
| 9) Benzaldehyde                | 7.30  | 77  | 783   | 0.334  | ng | # 4  |
| 10) Phenol                     | 7.32  | 94  | 6776  | 1.720  | ng | # 89 |
| 11) bis(2-Chloroethyl)ether    | 7.68  | 93  | 417   | 0.136  | ng | # 1  |
| 15) Benzyl Alcohol             | 8.47  | 79  | 4363  | 1.513  | ng | # 48 |
| 19) n-Nitroso-di-n-propylamine | 9.32  | 70  | 35925 | 13.727 | ng | # 71 |
| 24) Nitrobenzene               | 9.32  | 77  | 811   | 0.238  | ng | # 20 |
| 46) 1,1'-Biphenyl              | 13.61 | 154 | 745   | 0.078  | ng | # 73 |
| 48) 2-Nitroaniline             | 14.21 | 65  | 637   | 0.275  | ng | # 1  |
| 50) Dimethylphthalate          | 14.21 | 163 | 70273 | 7.205  | ng | # 97 |
| 51) 2,6-Dinitrotoluene         | 14.21 | 165 | 691   | 0.334  | ng | # 1  |
| 52) Acenaphthene               | 14.78 | 154 | 336   | 0.047  | ng | # 5  |
| 56) 4-Nitrophenol              | 14.55 | 139 | 55    | 0.030  | ng | # 1  |
| 57) 2,4-Dinitrotoluene         | 14.77 | 165 | 15376 | 5.292  | ng | # 18 |
| 58) Fluorene                   | 16.26 | 166 | 7097  | 0.772  | ng | # 94 |
| 60) Diethylphthalate           | 15.56 | 149 | 53    | 0.005  | ng | # 58 |
| 63) Azobenzene                 | 16.26 | 77  | 880   | 0.101  | ng | # 20 |
| 65) 4,6-Dinitro-2-methylphenol | 16.26 | 198 | 602   | 0.362  | ng | # 1  |
| 66) n-Nitrosodiphenylamine     | 16.25 | 169 | 7175  | 0.881  | ng | # 47 |
| 67) 4-Bromophenyl-phenylether  | 16.26 | 248 | 12795 | 4.063  | ng | # 1  |
| 70) Pentachlorophenol          | 17.21 | 266 | 57    | 0.028  | ng | # 18 |
| 71) Phenanthrene               | 17.55 | 178 | 1296  | 0.084  | ng | # 83 |
| 72) Anthracene                 | 17.55 | 178 | 1296  | 0.086  | ng | # 83 |
| 73) Carbazole                  | 17.89 | 167 | 59    | 0.004  | ng | # 57 |
| 74) Di-n-butylphthalate        | 18.45 | 149 | 566   | 0.035  | ng | # 77 |
| 75) Fluoranthene               | 19.56 | 202 | 3502  | 0.191  | ng | # 85 |
| 77) Benzidine                  | 20.11 | 184 | 15882 | 1.662  | ng | # 93 |
| 78) Pyrene                     | 19.92 | 202 | 2742  | 0.140  | ng | # 88 |
| 80) Butylbenzylphthalate       | 20.69 | 149 | 60    | 0.008  | ng | # 22 |
| 81) Benzo(a)anthracene         | 21.79 | 228 | 3167  | 0.168  | ng | # 88 |
| 82) 3,3'-Dichlorobenzidine     | 21.71 | 252 | 315   | 0.046  | ng | # 26 |

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Acq On : 19 Mar 2019 17:59  
Operator : JU/SJ  
Sample : K1958-01  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

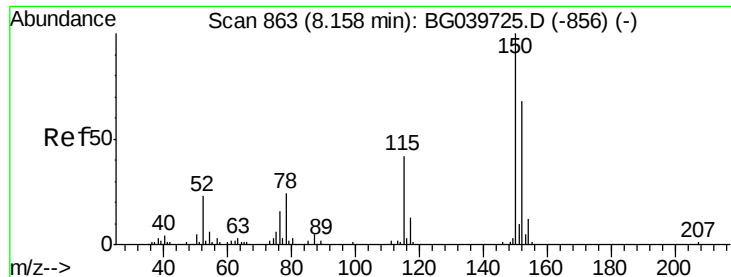
Instrument :  
BNA\_G  
ClientSampleId :  
TP-1

Quant Time: Mar 20 04:10:16 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG030419.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Mar 04 14:38:15 2019  
Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 83) Chrysene                   | 21.85 | 228  | 1551     | 0.085 | ng    | # 80     |
| 84) Bis(2-ethylhexyl)phthalate | 21.64 | 149  | 1311     | 0.123 | ng    | # 52     |
| 85) Di-n-octyl phthalate       | 22.89 | 149  | 67       | 0.004 | ng    | # 1      |
| 86) Indeno(1,2,3-cd)pyrene     | 29.01 | 276  | 587      | 0.028 | ng    | # 54     |
| 88) Benzo(b)fluoranthene       | 24.09 | 252  | 1978     | 0.109 | ng    | # 90     |
| 89) Benzo(k)fluoranthene       | 24.14 | 252  | 282      | 0.017 | ng    | # 31     |
| 90) Benzo(a)pyrene             | 25.00 | 252  | 1761     | 0.105 | ng    | # 59     |
| 91) Dibenzo(a,h)anthracene     | 29.03 | 278  | 60       | 0.004 | ng    | # 56     |
| 92) Benzo(g,h,i)perylene       | 30.26 | 276  | 190      | 0.012 | ng    | # 54     |

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





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.14 min Scan# 860

Delta R.T. -0.03 min

Lab File: BG040007.D

Acq: 19 Mar 2019 17:59

Instrument :

BNA\_G

ClientSampleId :

TP-1

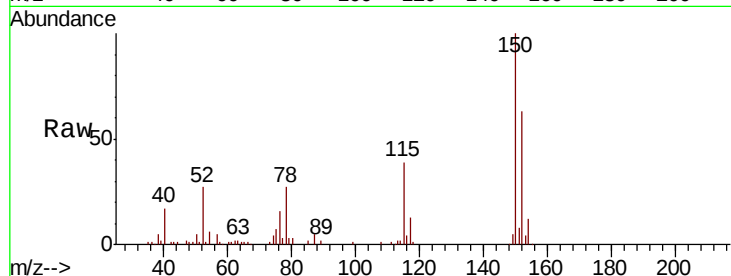
Tgt Ion:152 Resp: 41601

Ion Ratio Lower Upper

152 100

150 157.7 123.7 185.5

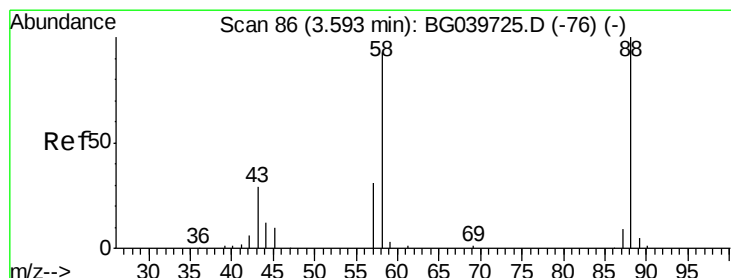
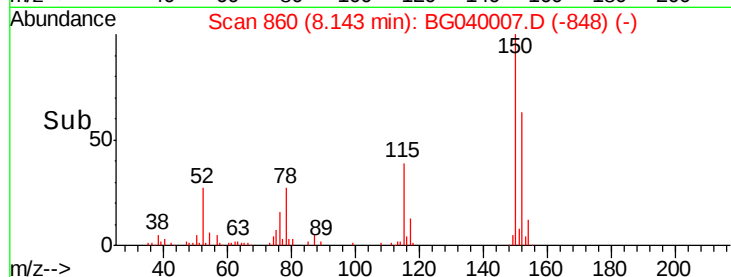
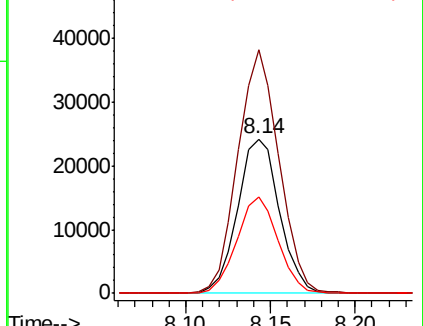
115 62.1 45.9 68.9



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.047 ng

RT: 3.41 min Scan# 54

Delta R.T. -0.20 min

Lab File: BG040007.D

Acq: 19 Mar 2019 17:59

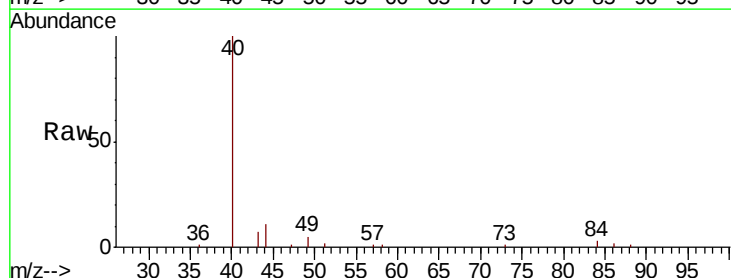
Tgt Ion: 88 Resp: 53

Ion Ratio Lower Upper

88 100

58 739.6 81.1 121.7#

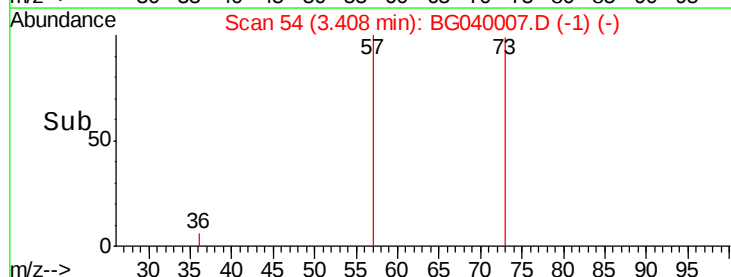
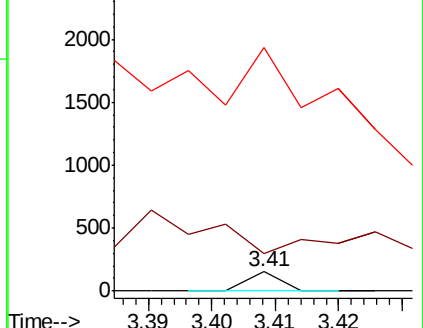
43 0.0 31.4 47.0#

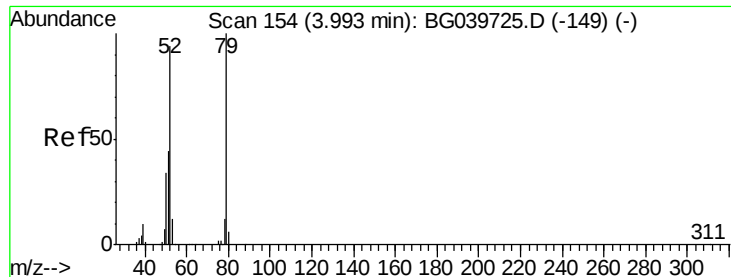


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pyridine

Concen: 0.019 ng

RT: 3.71 min Scan# 105

Delta R.T. -0.30 min

Lab File: BG040007.D

Acq: 19 Mar 2019 17:59

Instrument :

BNA\_G

ClientSampleId :

TP-1

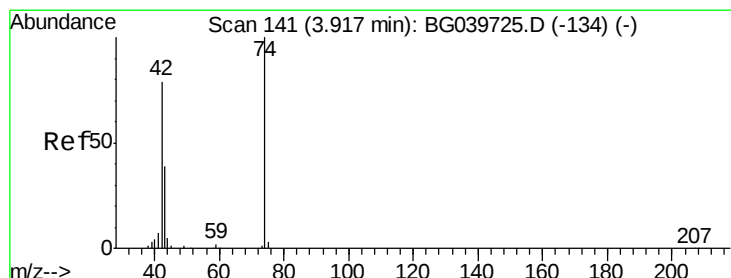
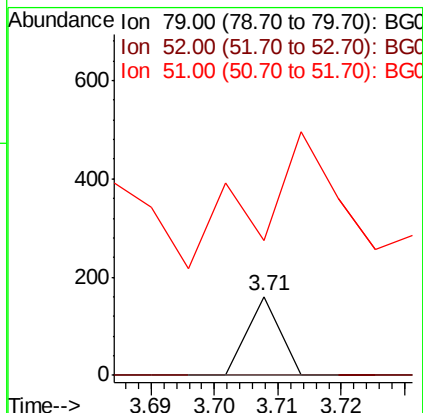
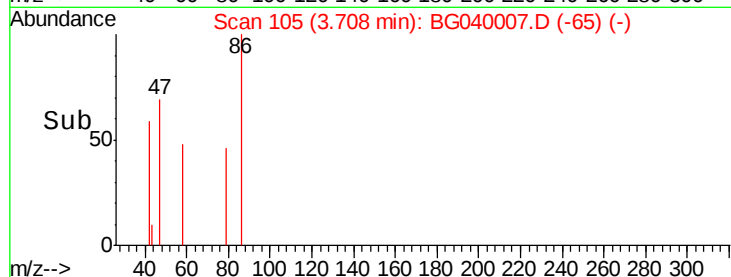
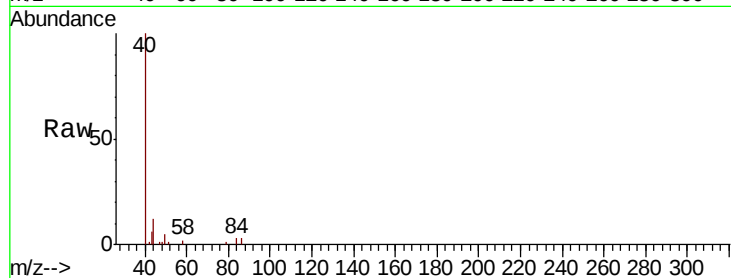
Tgt Ion: 79 Resp: 56

Ion Ratio Lower Upper

79 100

52 0.0 82.6 124.0#

51 171.3 37.5 56.3#



#4

n-Nitrosodimethylamine

Concen: 0.092 ng

RT: 3.93 min Scan# 142

Delta R.T. -0.00 min

Lab File: BG040007.D

Acq: 19 Mar 2019 17:59

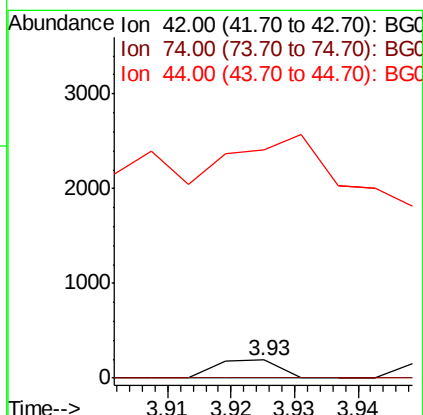
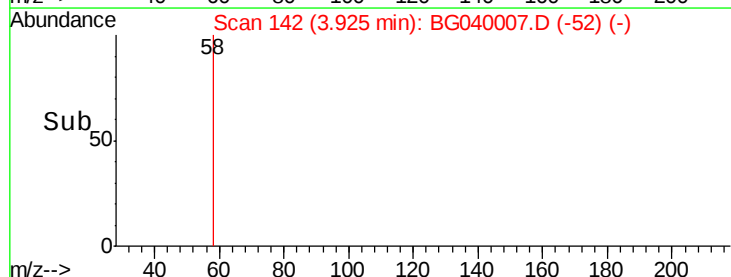
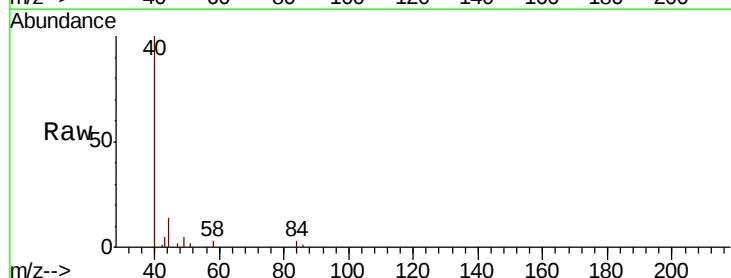
Tgt Ion: 42 Resp: 131

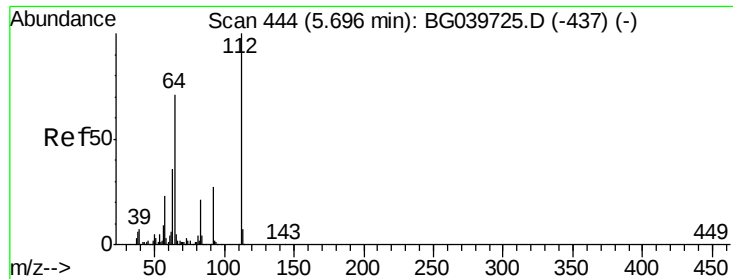
Ion Ratio Lower Upper

42 100

74 0.0 83.6 125.4#

44 1245.6 6.9 10.3#





#5

2-Fluorophenol

Concen: 128.274 ng

RT: 5.69 min Scan# 442

Delta R.T. -0.02 min

Lab File: BG040007.D

Acq: 19 Mar 2019 17:59

Instrument :

BNA\_G

ClientSampled :

TP-1

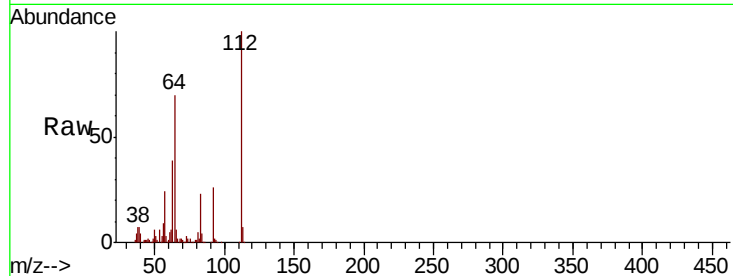
Tgt Ion: 112 Resp: 312796

Ion Ratio Lower Upper

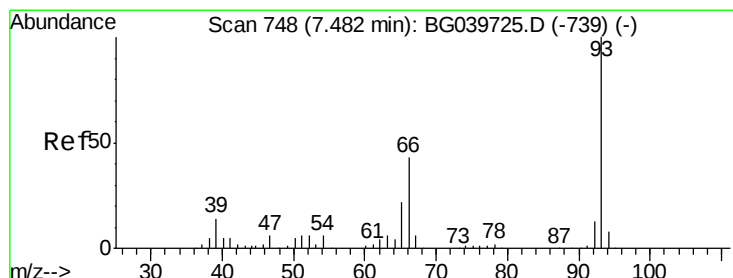
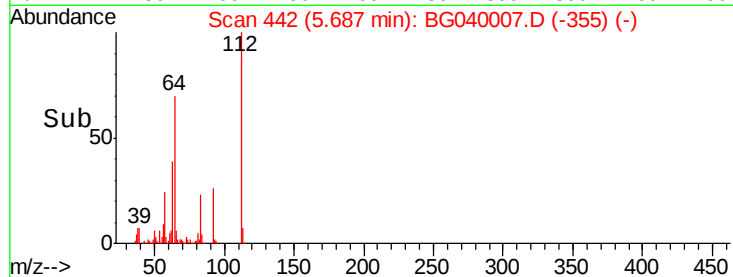
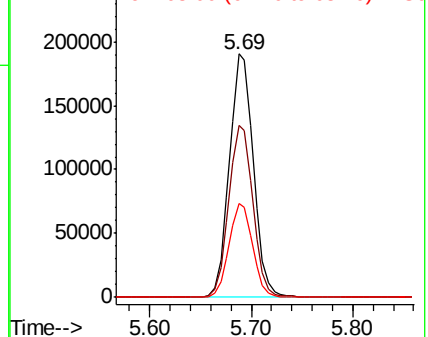
112 100

64 70.4 57.8 86.8

63 38.7 29.8 44.6



Abundance Ion 112.00 (111.70 to 112.70): BGC  
Ion 64.00 (63.70 to 64.70): BGC  
Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 0.016 ng

RT: 7.31 min Scan# 718

Delta R.T. -0.19 min

Lab File: BG040007.D

Acq: 19 Mar 2019 17:59

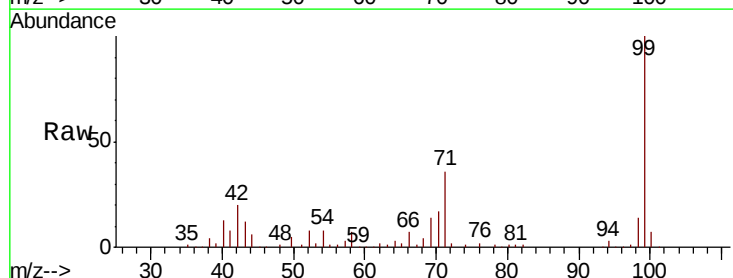
Tgt Ion: 93 Resp: 76

Ion Ratio Lower Upper

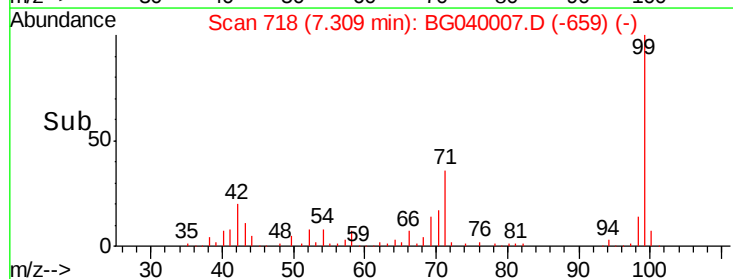
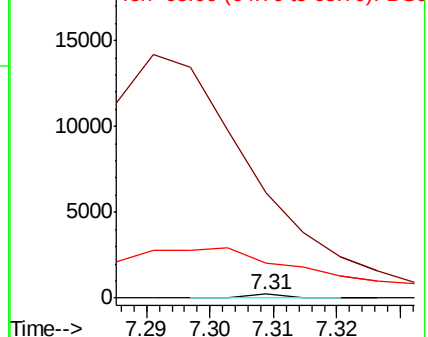
93 100

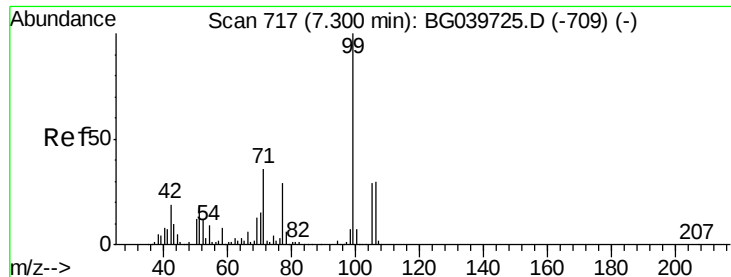
66 2830.6 34.2 51.4#

65 940.3 17.7 26.5#



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





#7

Phenol-d6

Concen: 123.250 ng

RT: 7.29 min Scan# 715

Delta R.T. -0.02 min

Lab File: BG040007.D

Acq: 19 Mar 2019 17:59

Instrument :

BNA\_G

ClientSampleId :

TP-1

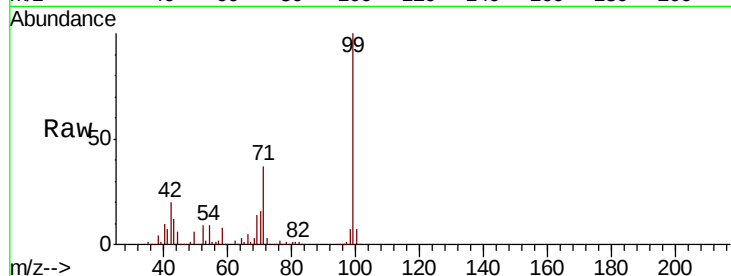
Tgt Ion: 99 Resp: 448131

Ion Ratio Lower Upper

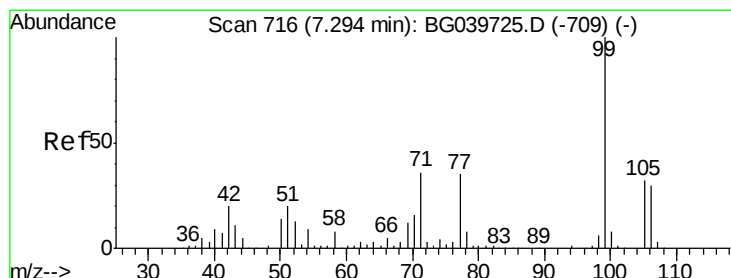
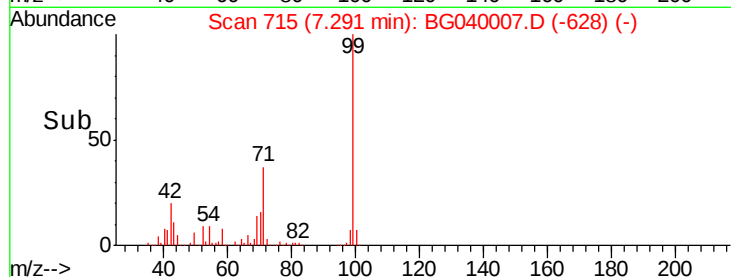
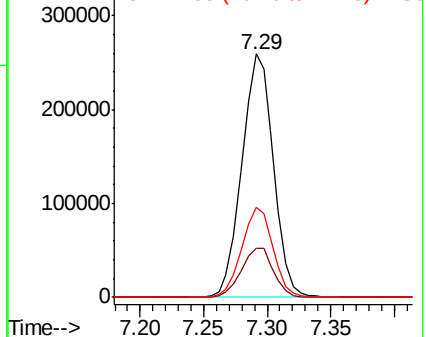
99 100

42 20.3 18.2 27.2

71 36.7 28.0 42.0



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



#9

Benzaldehyde

Concen: 0.334 ng

RT: 7.30 min Scan# 716

Delta R.T. -0.01 min

Lab File: BG040007.D

Acq: 19 Mar 2019 17:59

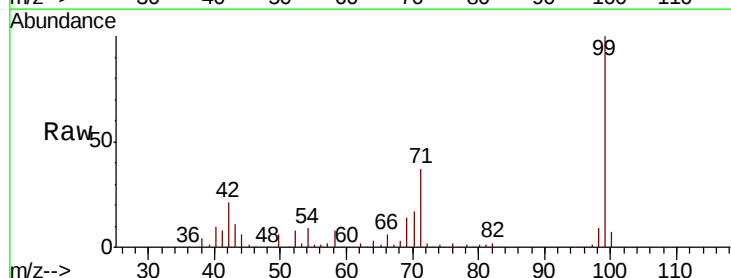
Tgt Ion: 77 Resp: 783

Ion Ratio Lower Upper

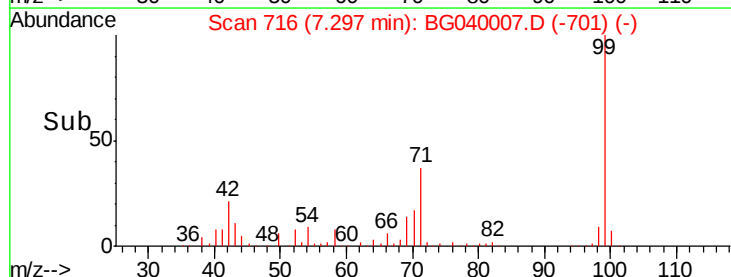
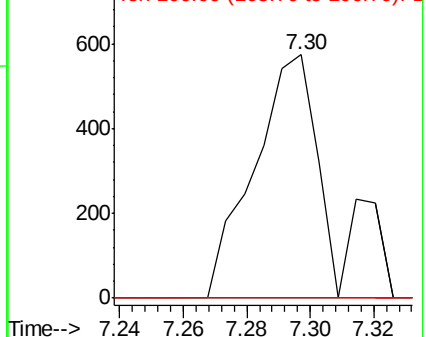
77 100

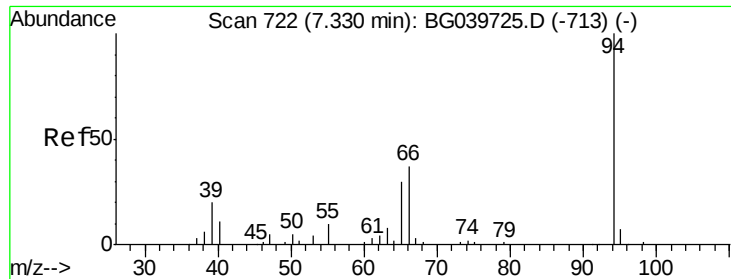
105 0.0 74.5 114.5#

106 0.0 68.0 108.0#



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





#10

Phenol

Concen: 1.720 ng

RT: 7.32 min Scan# 720

Delta R.T. -0.02 min

Lab File: BG040007.D

Acq: 19 Mar 2019 17:59

Instrument :

BNA\_G

ClientSampleId :

TP-1

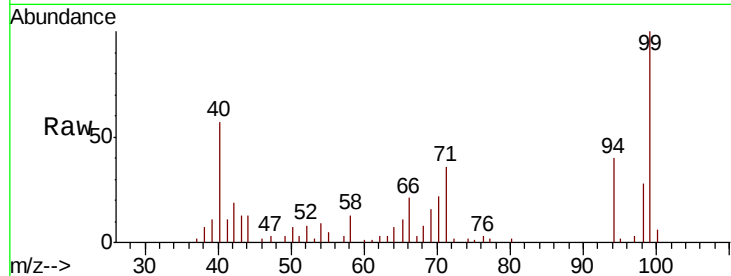
Tgt Ion: 94 Resp: 6776

Ion Ratio Lower Upper

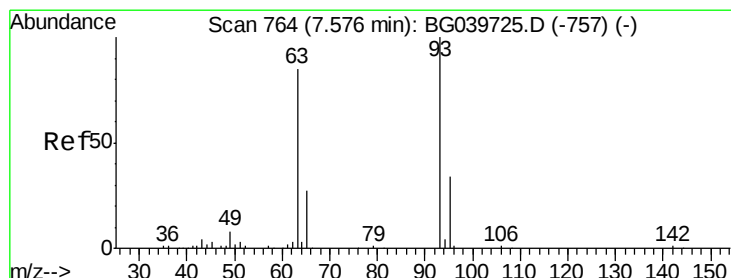
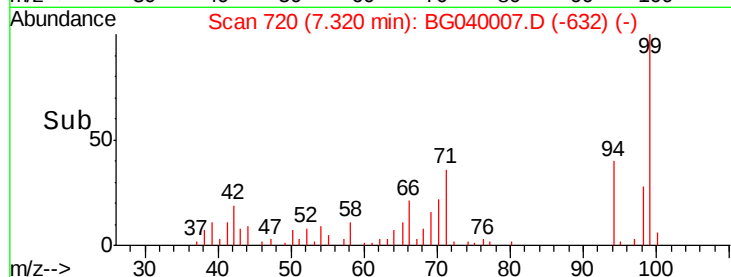
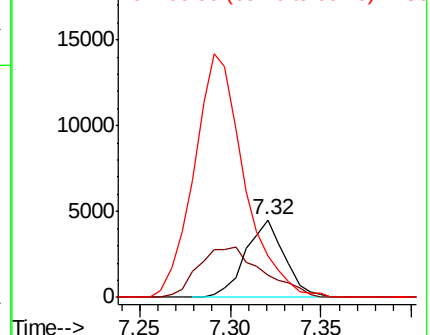
94 100

65 28.7 11.7 51.7

66 53.9 23.7 63.7



Abundance Ion 94.00 (93.70 to 94.70): BGC  
Ion 65.00 (64.70 to 65.70): BGC  
Ion 66.00 (65.70 to 66.70): BGC



#11

bis(2-Chloroethyl)ether

Concen: 0.136 ng

RT: 7.68 min Scan# 781

Delta R.T. 0.10 min

Lab File: BG040007.D

Acq: 19 Mar 2019 17:59

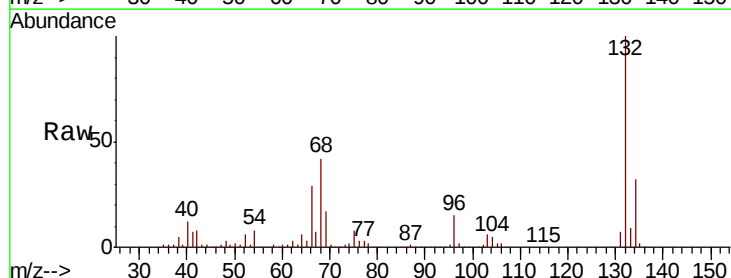
Tgt Ion: 93 Resp: 417

Ion Ratio Lower Upper

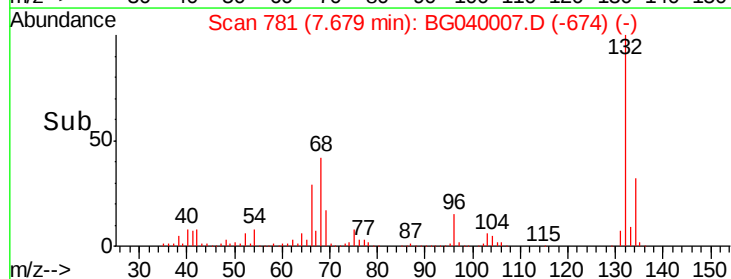
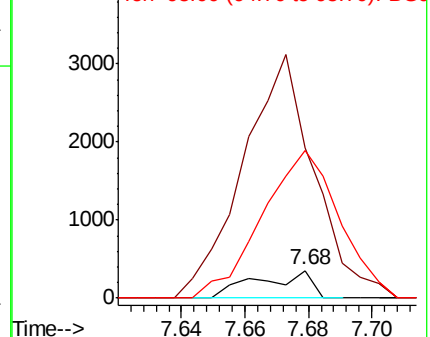
93 100

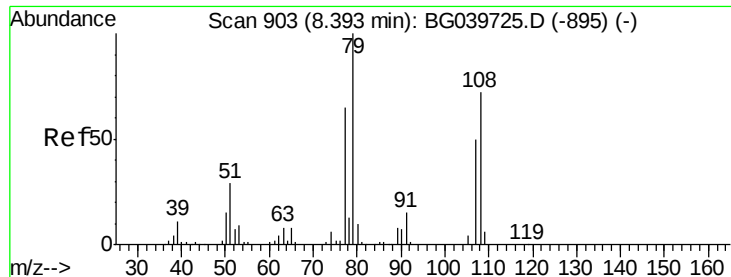
63 540.3 69.5 109.5#

95 528.3 12.7 52.7#



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: 1.513 ng

RT: 8.47 min Scan# 915

Delta R.T. 0.06 min

Lab File: BG040007.D

Acq: 19 Mar 2019 17:59

Instrument :

BNA\_G

ClientSampled :

TP-1

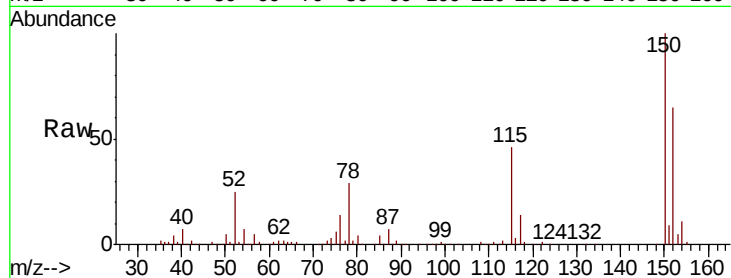
Tgt Ion: 79 Resp: 4363

Ion Ratio Lower Upper

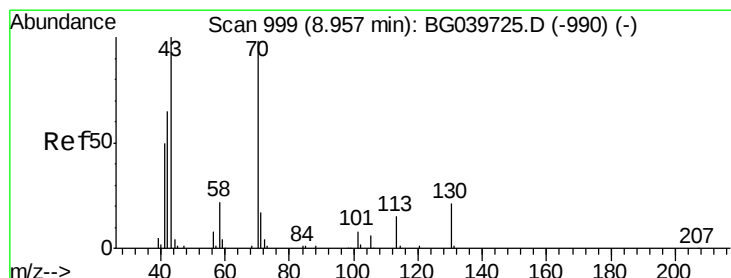
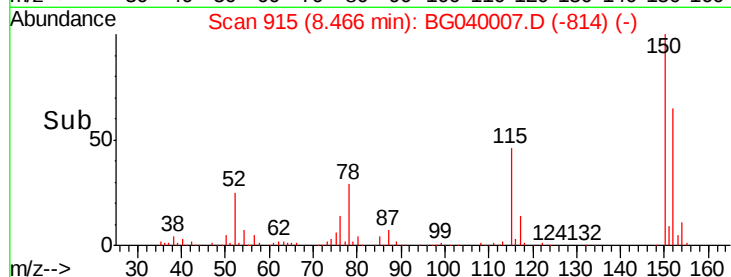
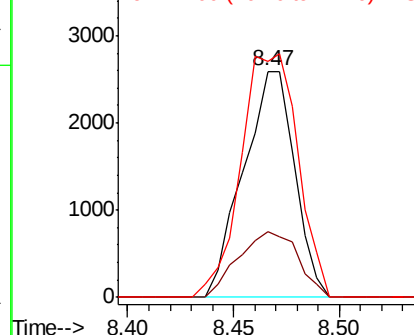
79 100

108 28.8 57.8 86.6#

77 104.3 51.1 76.7#



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: 13.727 ng

RT: 9.32 min Scan# 1060

Delta R.T. 0.35 min

Lab File: BG040007.D

Acq: 19 Mar 2019 17:59

Tgt Ion: 70 Resp: 35925

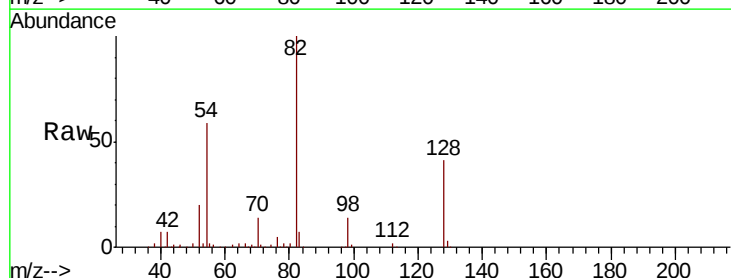
Ion Ratio Lower Upper

70 100

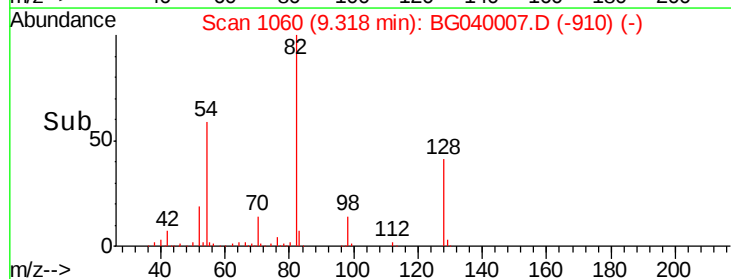
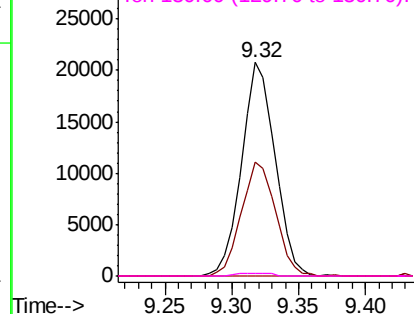
42 53.4 60.4 90.6#

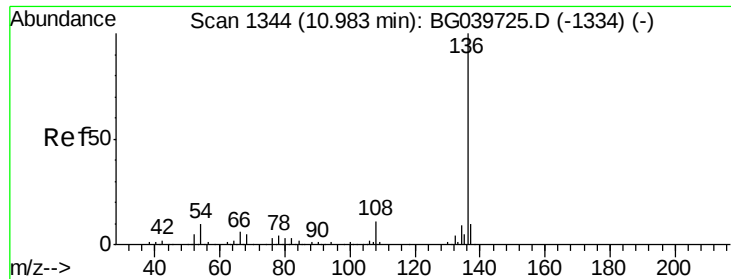
101 0.0 7.5 11.3#

130 1.5 16.9 25.3#



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

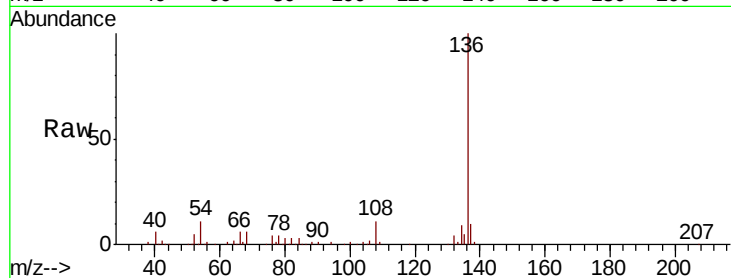




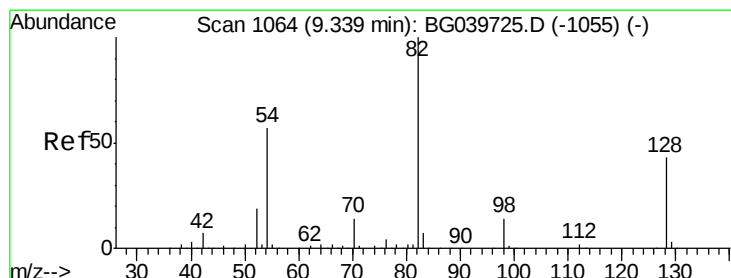
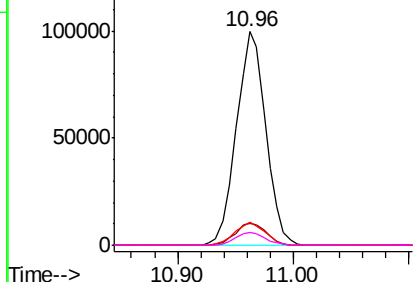
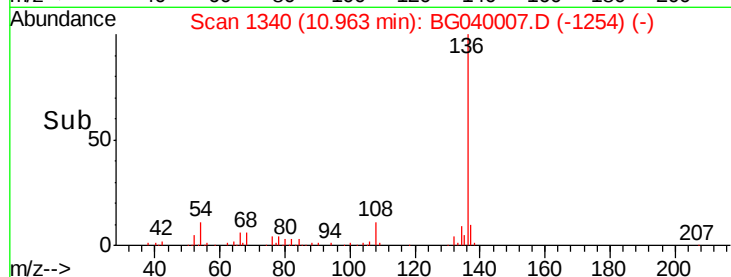
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.96 min Scan# 1340  
Delta R.T. -0.03 min  
Lab File: BG040007.D  
Acq: 19 Mar 2019 17:59

Instrument :  
BNA\_G  
ClientSampleId :  
TP-1

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 175490 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.4  | 9.1   | 13.7   |
| 54       | 10.5  | 9.4   | 14.2   |
| 68       | 5.8   | 4.2   | 6.4    |

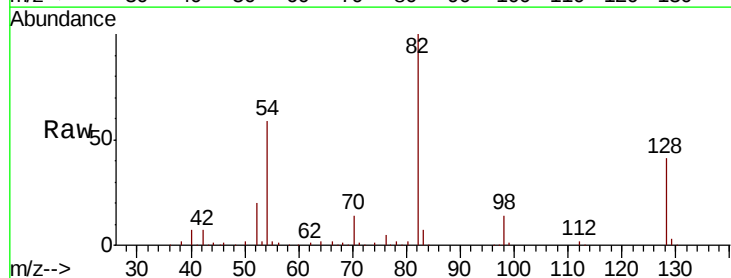


Abundance Ion 136.00 (135.70 to 136.70): BGC  
Ion 137.00 (136.70 to 137.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

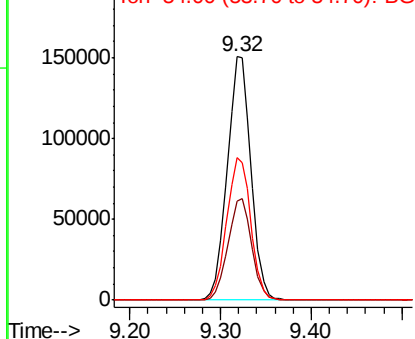
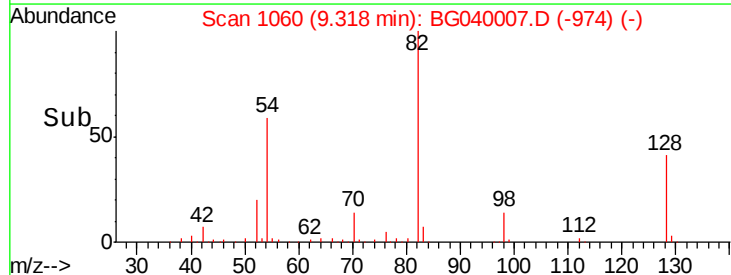


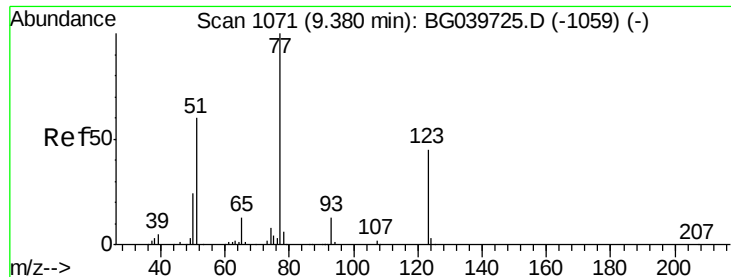
#23  
Nitrobenzene-d5  
Concen: 84.217 ng  
RT: 9.32 min Scan# 1060  
Delta R.T. -0.03 min  
Lab File: BG040007.D  
Acq: 19 Mar 2019 17:59

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 273263 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 40.8  | 31.3  | 46.9   |
| 54       | 58.7  | 50.9  | 76.3   |



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

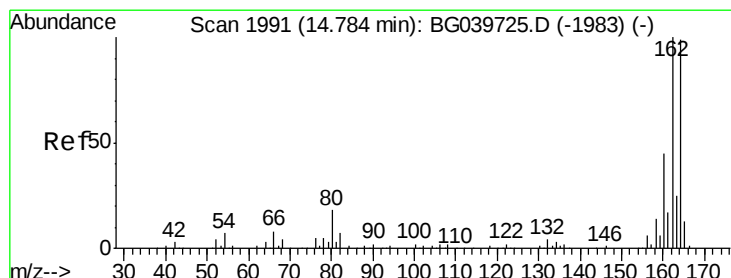
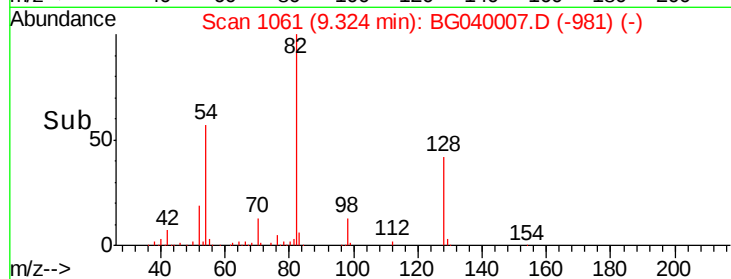
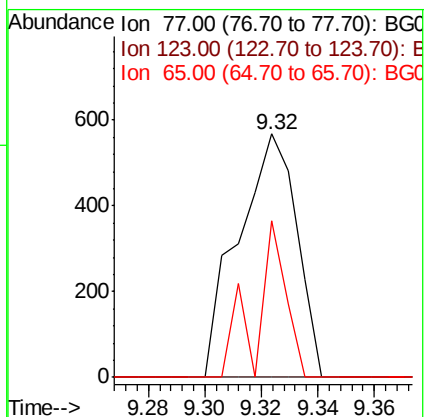
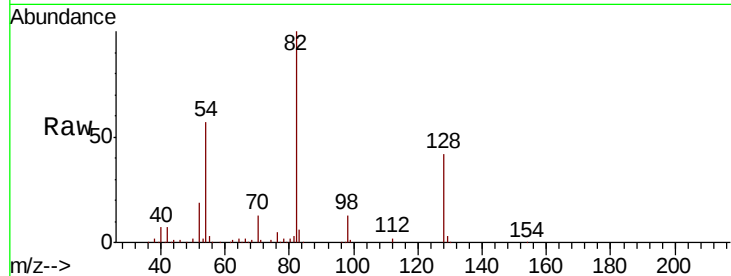




#24  
Nitrobenzene  
Concen: 0.238 ng  
RT: 9.32 min Scan# 1061  
Delta R.T. -0.06 min  
Lab File: BG040007.D  
Acq: 19 Mar 2019 17:59

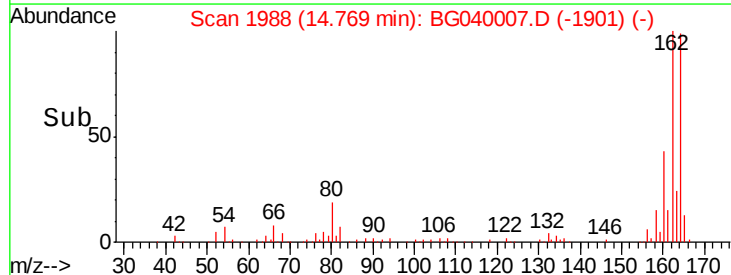
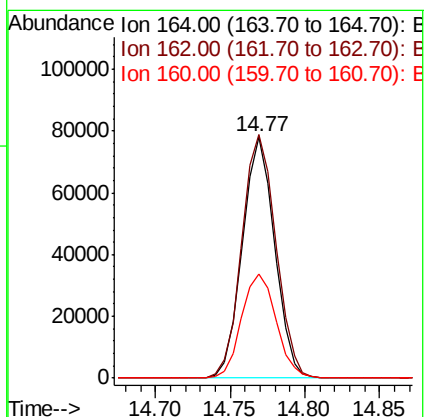
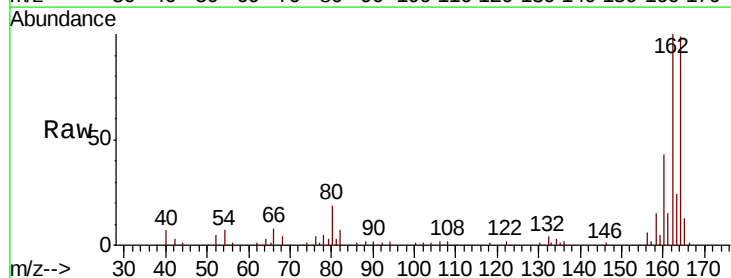
Instrument :  
BNA\_G  
ClientSampleId :  
TP-1

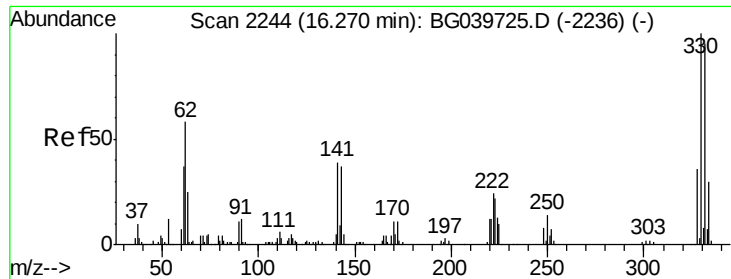
Tgt Ion: 77 Resp: 811  
Ion Ratio Lower Upper  
77 100  
123 0.0 34.1 51.1#  
65 64.3 12.3 18.5#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.77 min Scan# 1988  
Delta R.T. -0.02 min  
Lab File: BG040007.D  
Acq: 19 Mar 2019 17:59

Tgt Ion: 164 Resp: 116648  
Ion Ratio Lower Upper  
164 100  
162 100.8 81.6 122.4  
160 43.3 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 118.851 ng

RT: 16.26 min Scan# 2241

Delta R.T. -0.02 min

Lab File: BG040007.D

Acq: 19 Mar 2019 17:59

Instrument :

BNA\_G

ClientSampleId :

TP-1

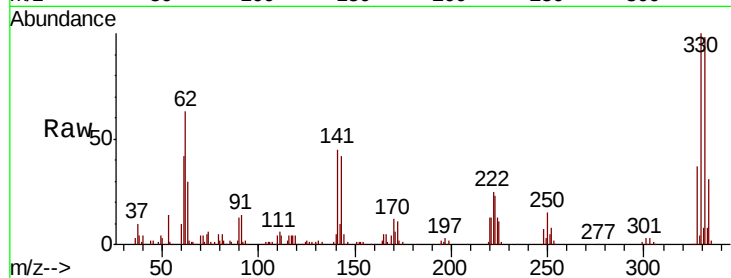
Tgt Ion:330 Resp: 161592

Ion Ratio Lower Upper

330 100

332 97.2 75.7 113.5

141 43.8 35.6 53.4

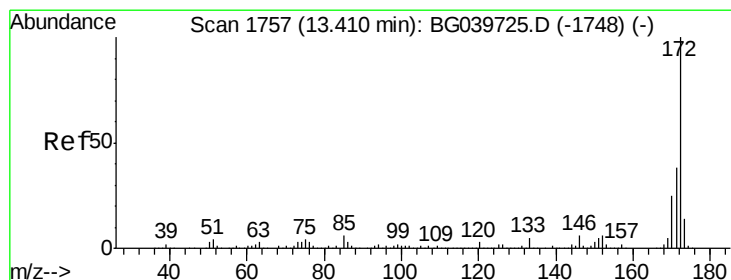
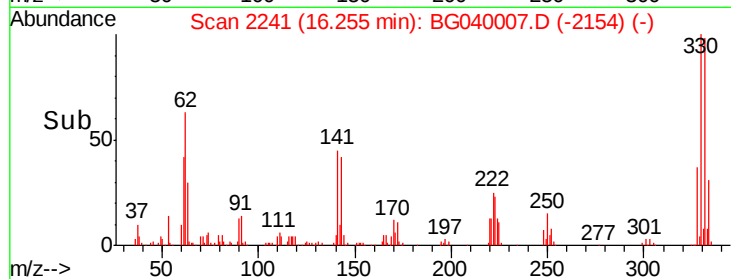
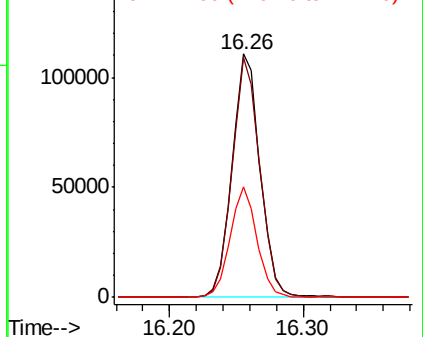


Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 69.189 ng

RT: 13.39 min Scan# 1754

Delta R.T. -0.02 min

Lab File: BG040007.D

Acq: 19 Mar 2019 17:59

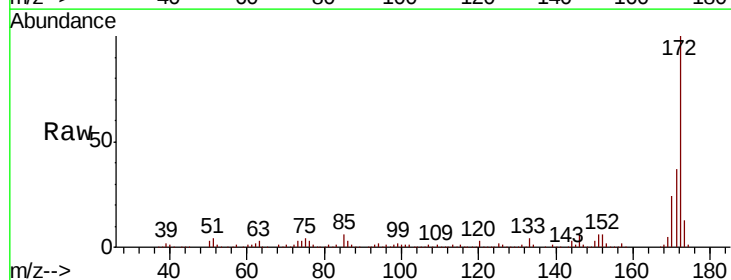
Tgt Ion:172 Resp: 566832

Ion Ratio Lower Upper

172 100

171 36.6 30.8 46.2

170 24.0 20.2 30.4

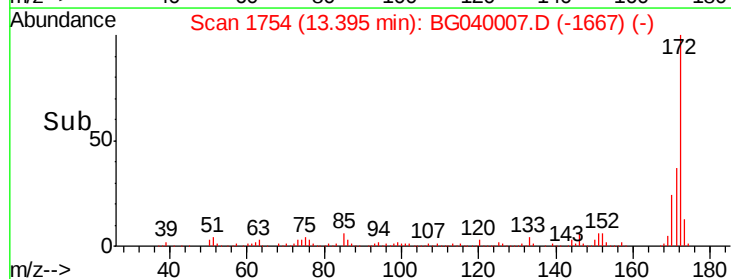
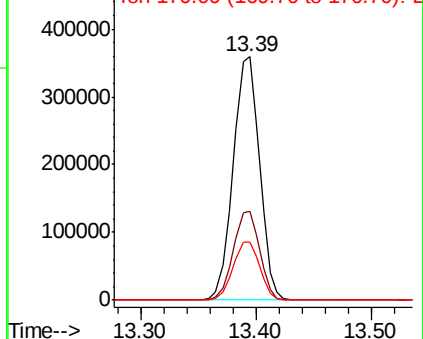


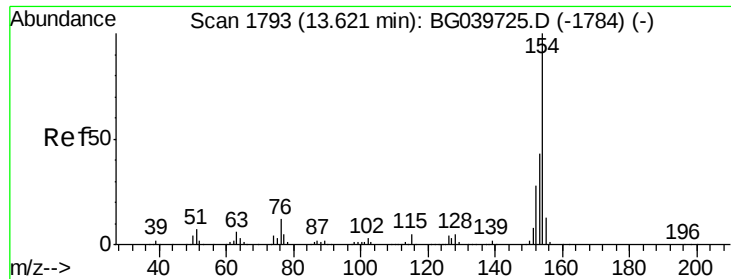
Abundance

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

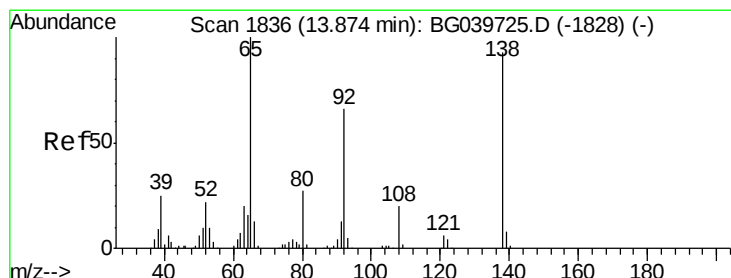
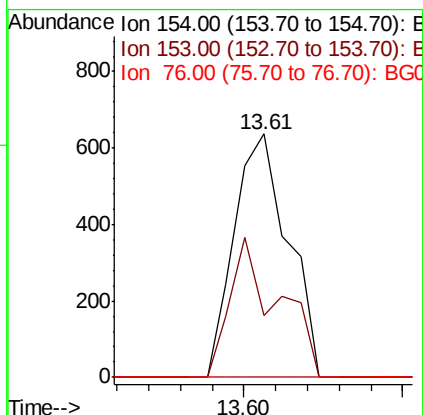
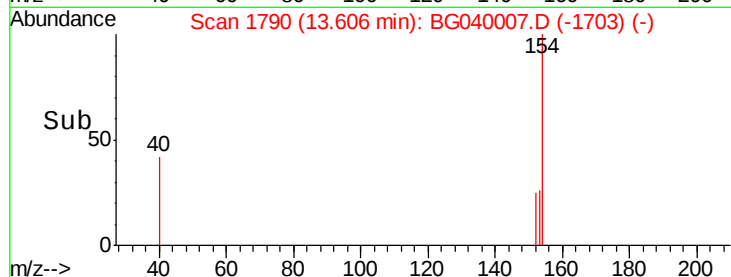
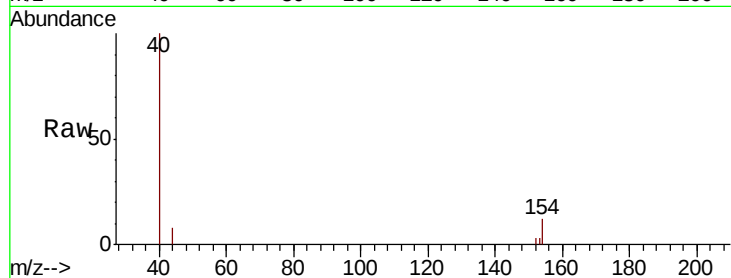




#46  
 1,1'-Biphenyl  
 Concen: 0.078 ng  
 RT: 13.61 min Scan# 1790  
 Delta R.T. -0.02 min  
 Lab File: BG040007.D  
 Acq: 19 Mar 2019 17:59

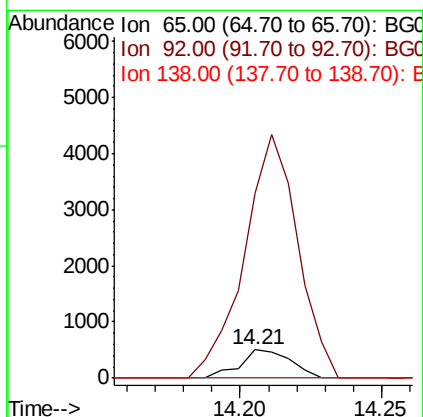
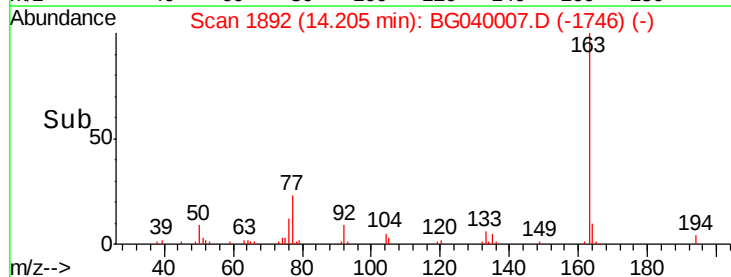
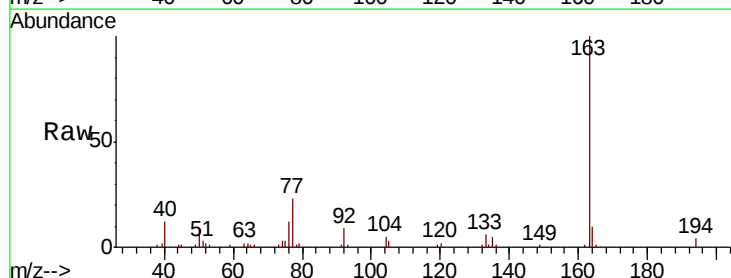
Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-1

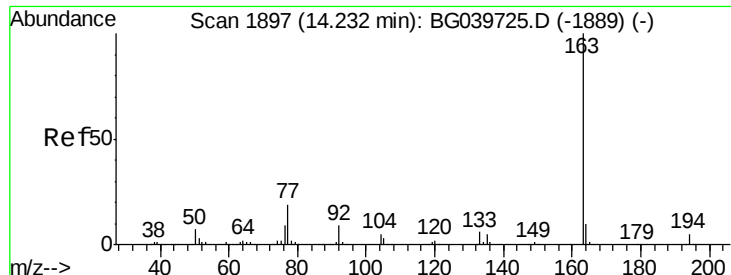
Tgt Ion: 154 Resp: 745  
 Ion Ratio Lower Upper  
 154 100  
 153 25.6 22.1 62.1  
 76 0.0 0.0 32.4



#48  
 2-Nitroaniline  
 Concen: 0.275 ng  
 RT: 14.21 min Scan# 1892  
 Delta R.T. 0.33 min  
 Lab File: BG040007.D  
 Acq: 19 Mar 2019 17:59

Tgt Ion: 65 Resp: 637  
 Ion Ratio Lower Upper  
 65 100  
 92 650.1 51.4 77.2#  
 138 0.0 71.4 107.2#





#50

Dimethylphthalate

Concen: 7.205 ng

RT: 14.21 min Scan# 1893

Delta R.T. -0.03 min

Lab File: BG040007.D

Acq: 19 Mar 2019 17:59

Instrument :

BNA\_G

ClientSampleId :

TP-1

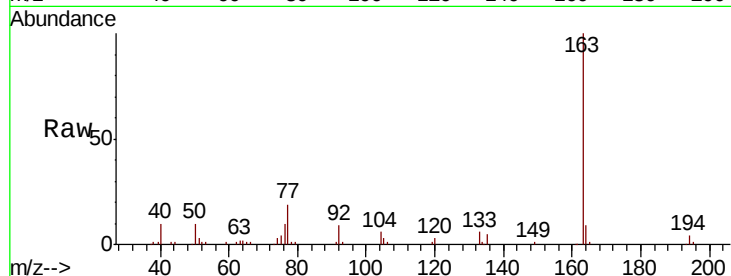
Tgt Ion:163 Resp: 70273

Ion Ratio Lower Upper

163 100

194 4.2 3.6 5.4

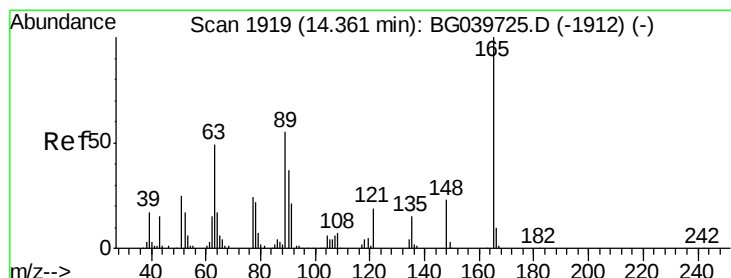
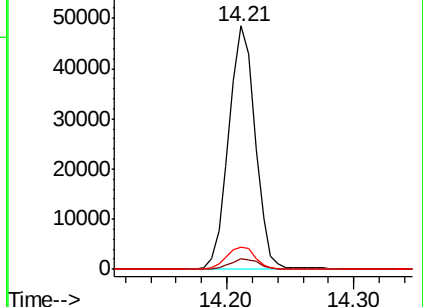
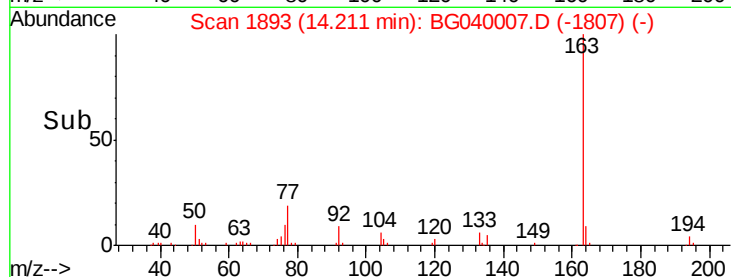
164 9.2 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

2,6-Dinitrotoluene

Concen: 0.334 ng

RT: 14.21 min Scan# 1893

Delta R.T. -0.16 min

Lab File: BG040007.D

Acq: 19 Mar 2019 17:59

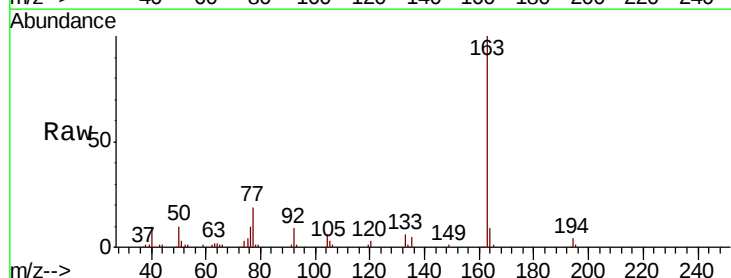
Tgt Ion:165 Resp: 691

Ion Ratio Lower Upper

165 100

63 157.9 47.0 70.6#

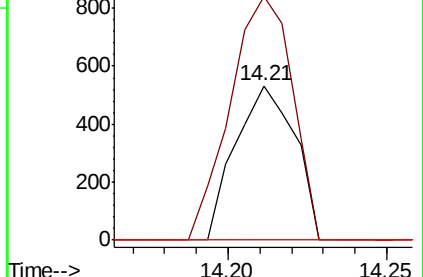
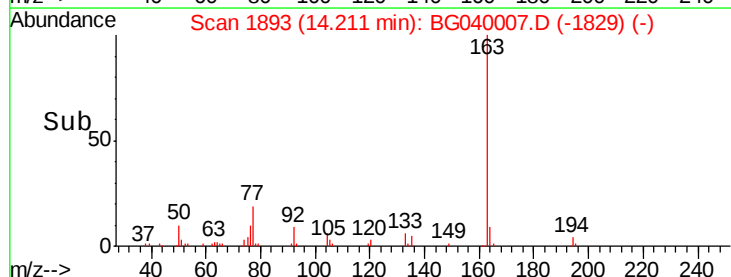
89 0.0 45.8 68.8#

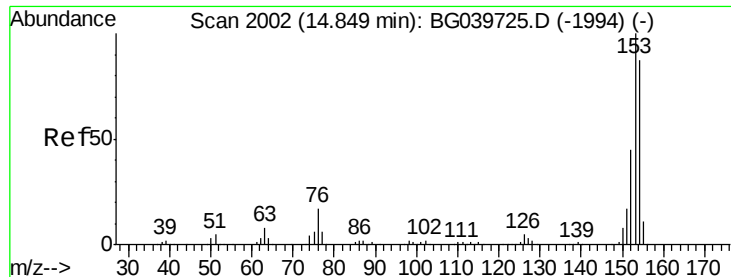


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#52

Acenaphthene

Concen: 0.047 ng

RT: 14.78 min Scan# 1989

Delta R.T. -0.08 min

Lab File: BG040007.D

Acq: 19 Mar 2019 17:59

Instrument :

BNA\_G

ClientSampleId :

TP-1

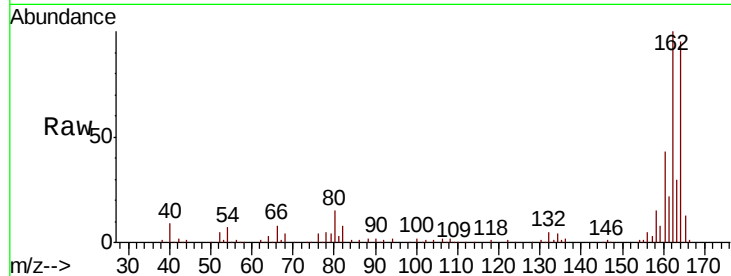
Tgt Ion:154 Resp: 336

Ion Ratio Lower Upper

154 100

153 0.0 90.1 135.1#

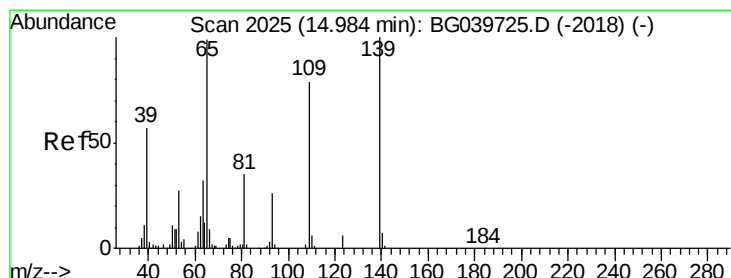
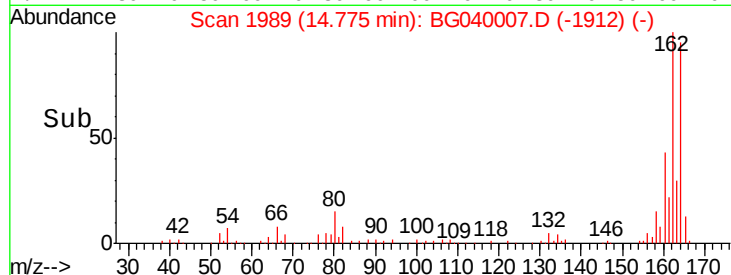
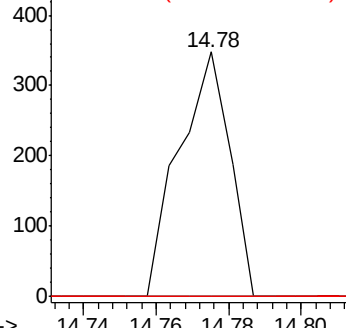
152 0.0 40.9 61.3#



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



#56

4-Nitrophenol

Concen: 0.030 ng

RT: 14.55 min Scan# 1950

Delta R.T. -0.44 min

Lab File: BG040007.D

Acq: 19 Mar 2019 17:59

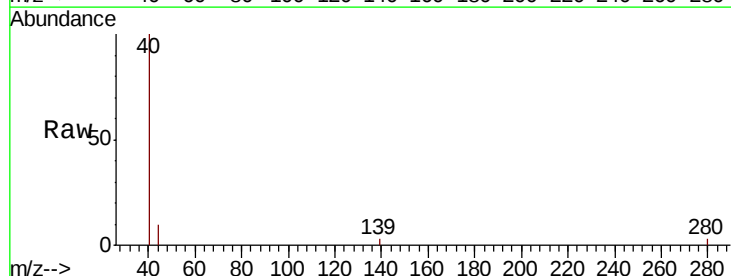
Tgt Ion:139 Resp: 55

Ion Ratio Lower Upper

139 100

109 0.0 61.9 101.9#

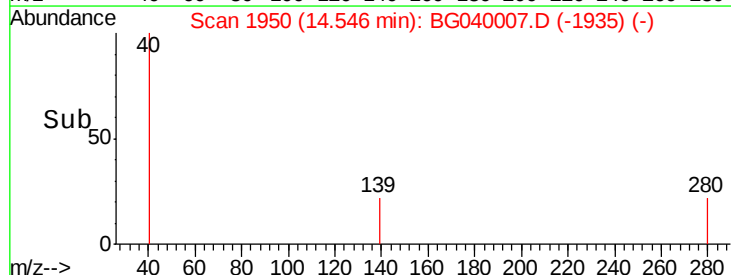
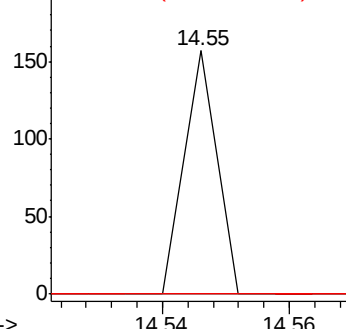
65 0.0 99.1 139.1#

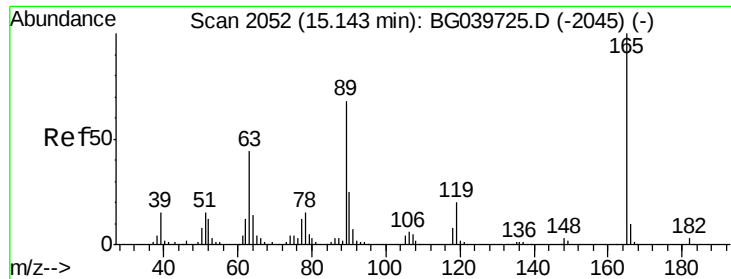


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC

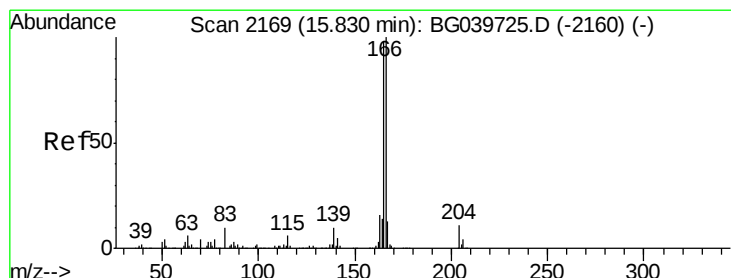
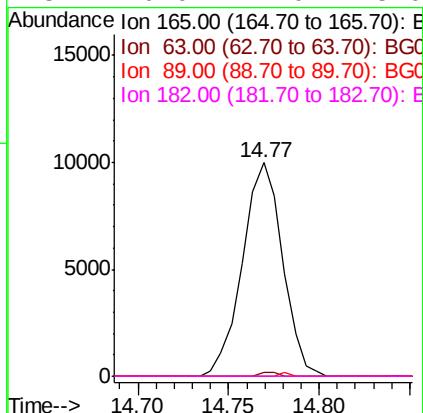
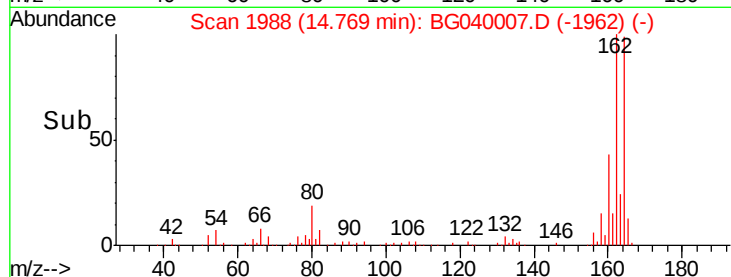
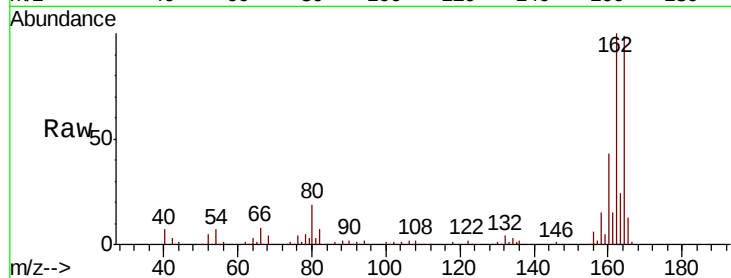




#57  
 2,4-Dinitrotoluene  
 Concen: 5.292 ng  
 RT: 14.77 min Scan# 1988  
 Delta R.T. -0.38 min  
 Lab File: BG040007.D  
 Acq: 19 Mar 2019 17:59

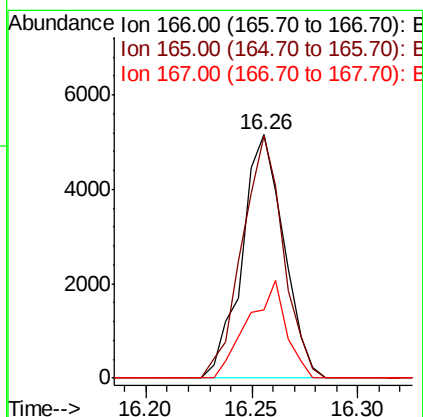
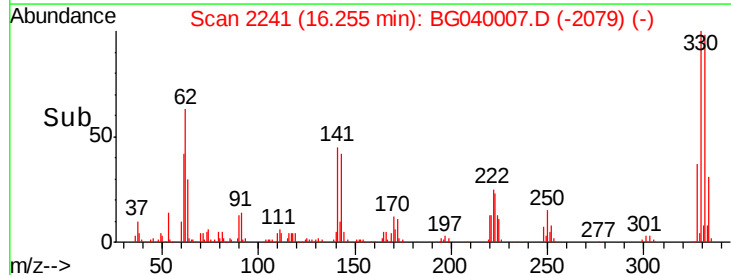
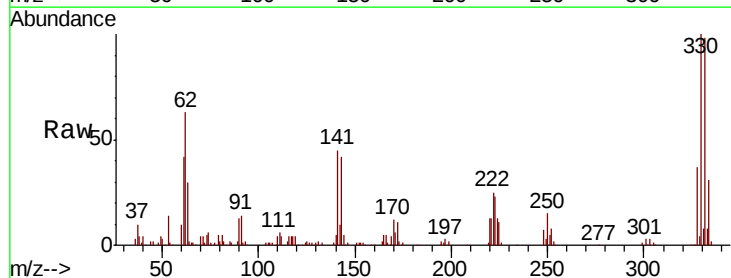
Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-1

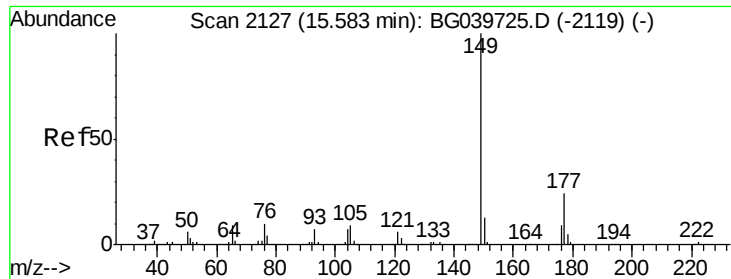
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 165   | Resp: | 15376 |
| Ion      | Ratio | Lower | Upper |
| 165      | 100   |       |       |
| 63       | 1.8   | 41.0  | 61.6# |
| 89       | 0.0   | 64.6  | 96.8# |
| 182      | 0.0   | 2.0   | 3.0#  |



#58  
 Fluorene  
 Concen: 0.772 ng  
 RT: 16.26 min Scan# 2241  
 Delta R.T. 0.42 min  
 Lab File: BG040007.D  
 Acq: 19 Mar 2019 17:59

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 166   | Resp: | 7097  |
| Ion      | Ratio | Lower | Upper |
| 166      | 100   |       |       |
| 165      | 99.5  | 77.9  | 116.9 |
| 167      | 28.2  | 10.8  | 16.2# |

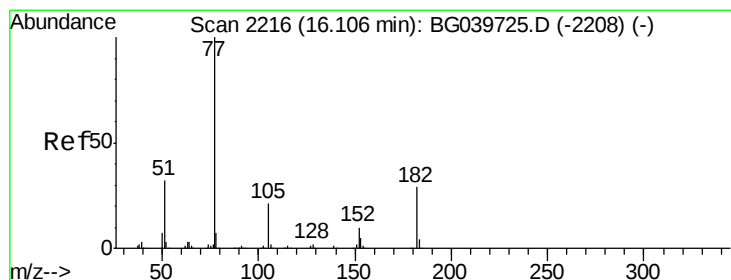
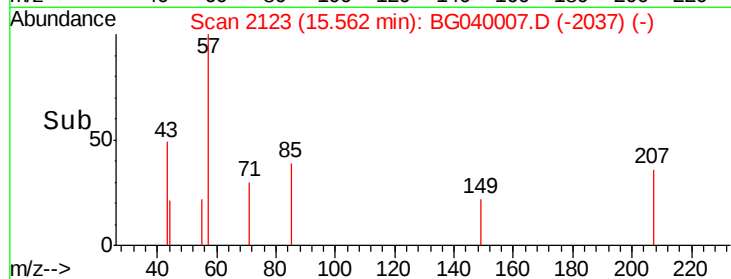
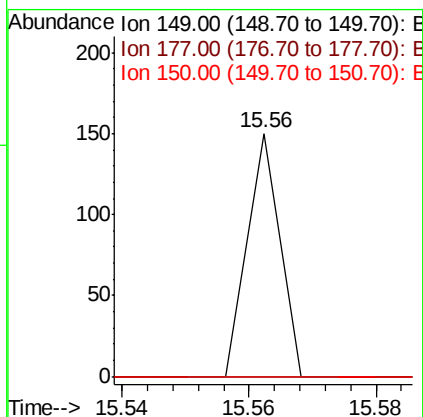
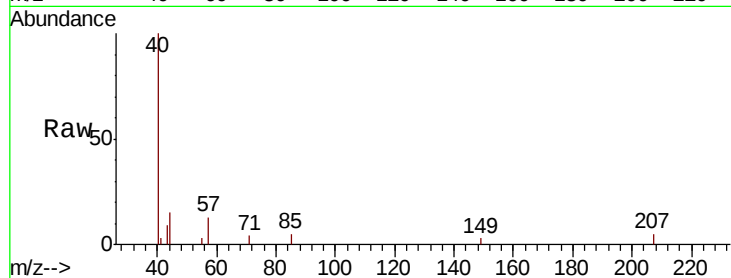




#60  
Diethylphthalate  
Concen: 0.005 ng  
RT: 15.56 min Scan# 2123  
Delta R.T. -0.03 min  
Lab File: BG040007.D  
Acq: 19 Mar 2019 17:59

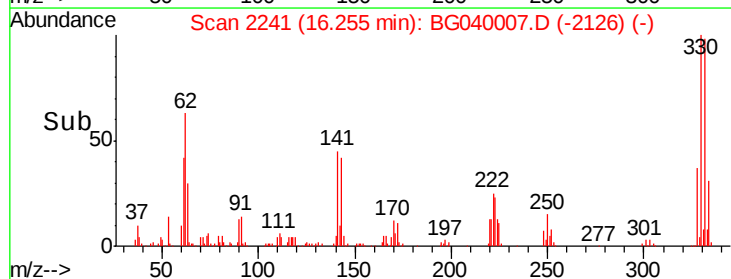
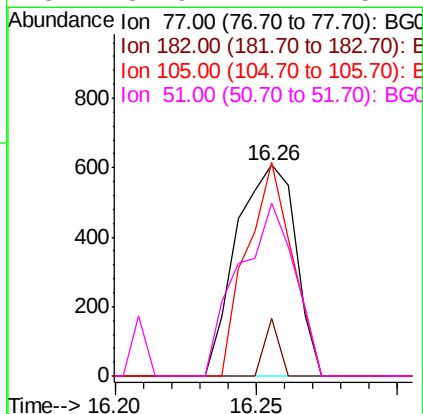
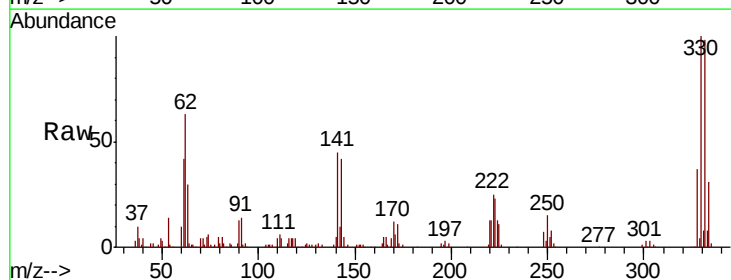
Instrument :  
BNA\_G  
ClientSampleId :  
TP-1

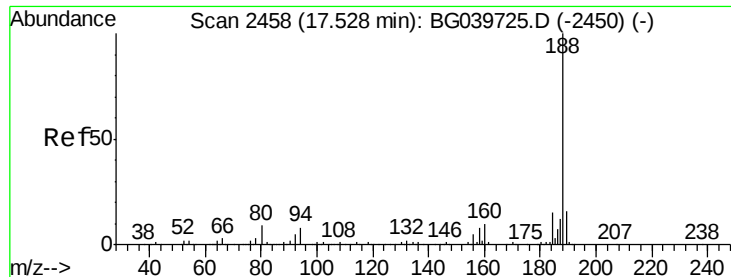
Tgt Ion: 149 Resp: 53  
Ion Ratio Lower Upper  
149 100  
177 0.0 18.3 27.5#  
150 0.0 10.2 15.2#



#63  
Azobenzene  
Concen: 0.101 ng  
RT: 16.26 min Scan# 2241  
Delta R.T. 0.14 min  
Lab File: BG040007.D  
Acq: 19 Mar 2019 17:59

Tgt Ion: 77 Resp: 880  
Ion Ratio Lower Upper  
77 100  
182 27.7 6.4 46.4  
105 101.3 0.0 39.8#  
51 81.9 14.1 54.1#

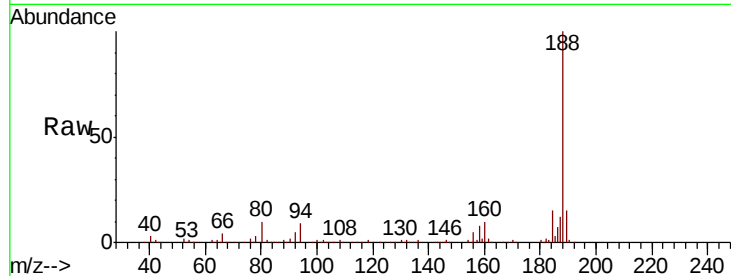




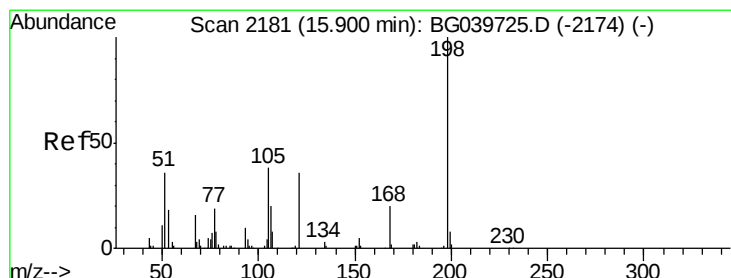
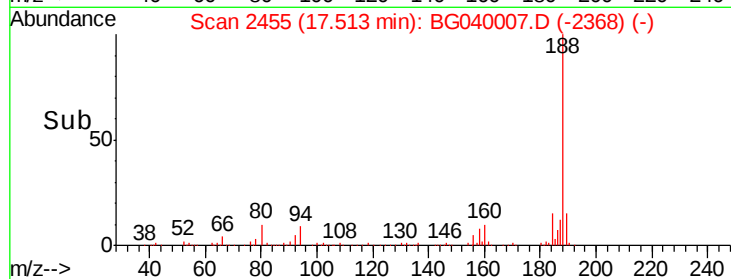
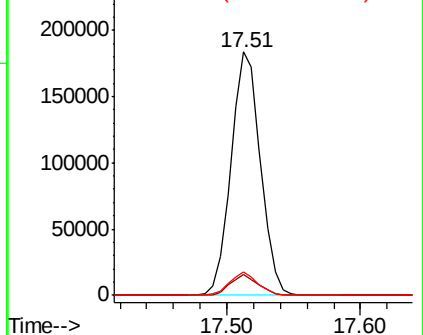
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.51 min Scan# 2455  
Delta R.T. -0.02 min  
Lab File: BG040007.D  
Acq: 19 Mar 2019 17:59

Instrument :  
BNA\_G  
ClientSampleId :  
TP-1

Tgt Ion:188 Resp: 281373  
Ion Ratio Lower Upper  
188 100  
94 8.7 6.9 10.3  
80 9.7 8.1 12.1

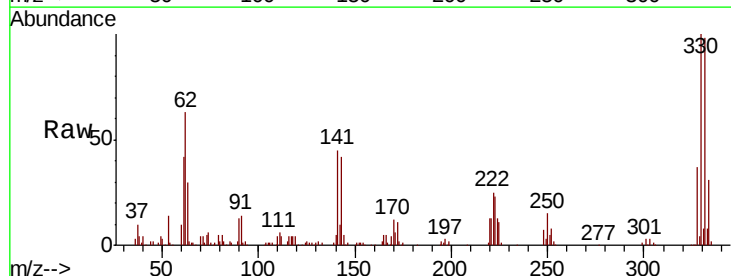


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BG  
Ion 80.00 (79.70 to 80.70): BG

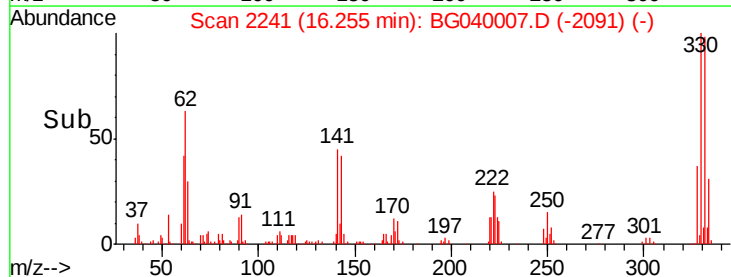
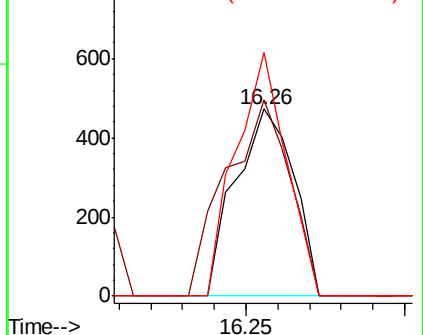


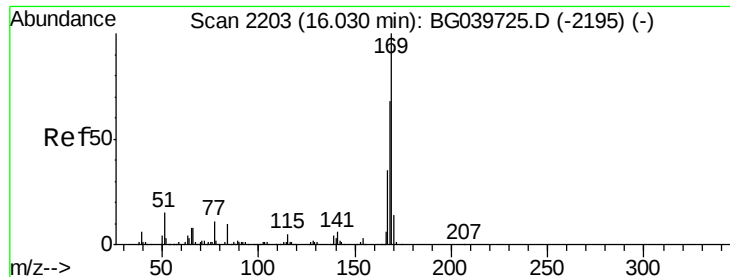
#65  
4,6-Dinitro-2-methylphenol  
Concen: 0.362 ng  
RT: 16.26 min Scan# 2241  
Delta R.T. 0.35 min  
Lab File: BG040007.D  
Acq: 19 Mar 2019 17:59

Tgt Ion:198 Resp: 602  
Ion Ratio Lower Upper  
198 100  
51 105.1 27.4 67.4#  
105 130.0 19.7 59.7#



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

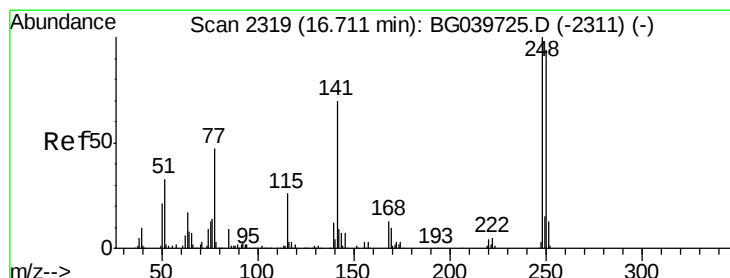
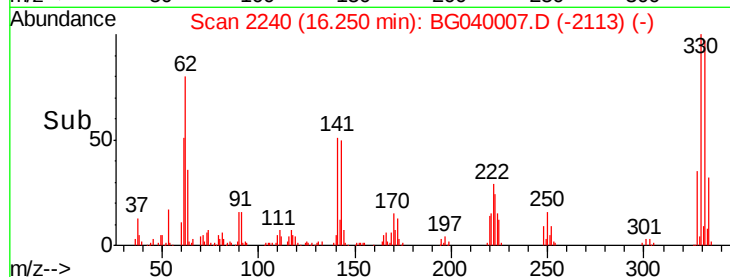
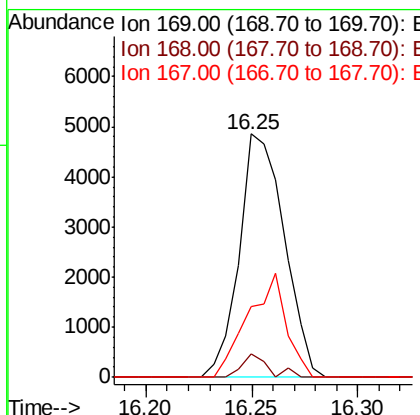
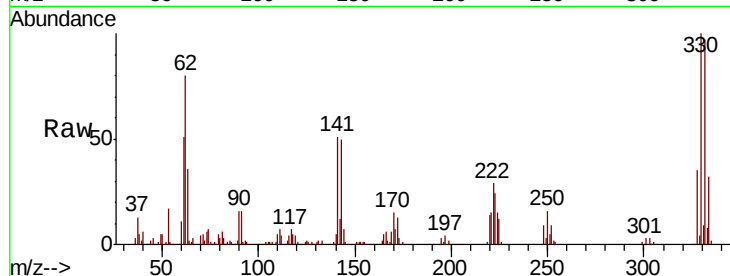




#66  
 n-Nitrosodiphenylamine  
 Concen: 0.881 ng  
 RT: 16.25 min Scan# 2240  
 Delta R.T. 0.21 min  
 Lab File: BG040007.D  
 Acq: 19 Mar 2019 17:59

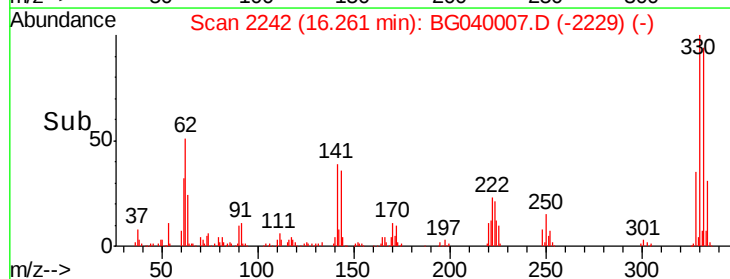
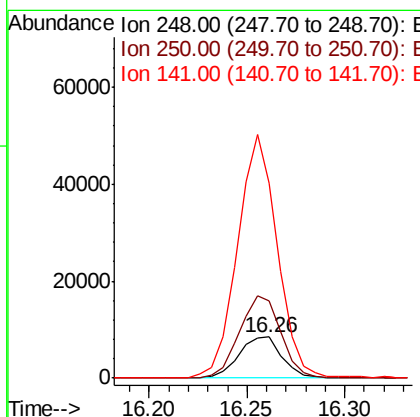
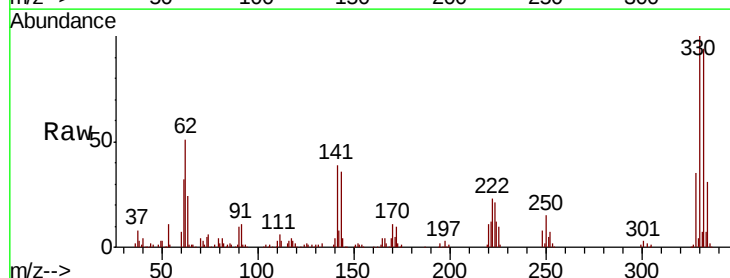
Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-1

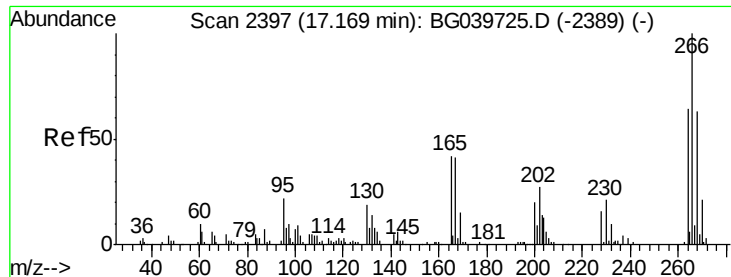
Tgt Ion:169 Resp: 7175  
 Ion Ratio Lower Upper  
 169 100  
 168 9.4 56.6 85.0#  
 167 28.8 28.8 43.2



#67  
 4-Bromophenyl-phenylether  
 Concen: 4.063 ng  
 RT: 16.26 min Scan# 2242  
 Delta R.T. -0.46 min  
 Lab File: BG040007.D  
 Acq: 19 Mar 2019 17:59

Tgt Ion:248 Resp: 12795  
 Ion Ratio Lower Upper  
 248 100  
 250 187.2 77.6 116.4#  
 141 474.4 63.9 95.9#

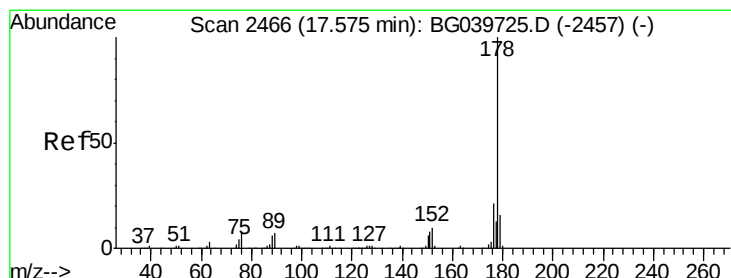
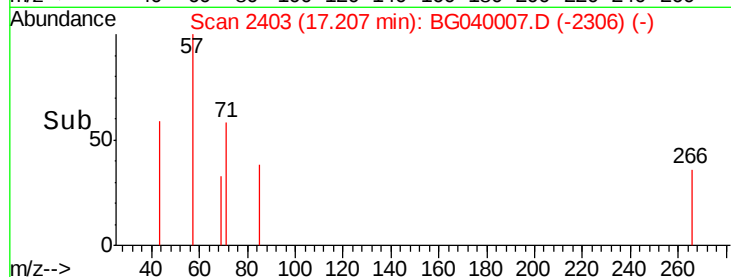
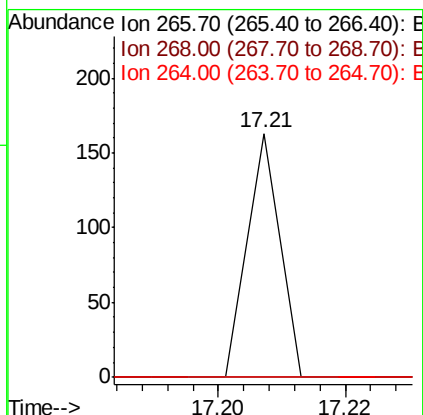
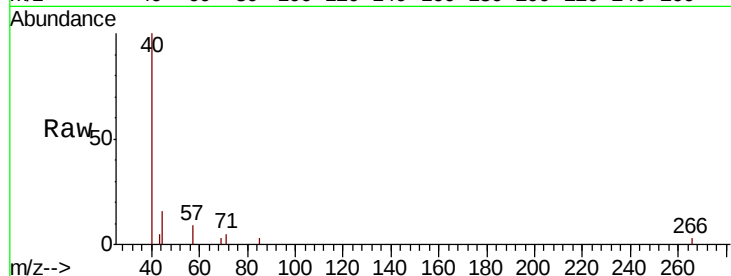




#70  
 Pentachlorophenol  
 Concen: 0.028 ng  
 RT: 17.21 min Scan# 2403  
 Delta R.T. 0.04 min  
 Lab File: BG040007.D  
 Acq: 19 Mar 2019 17:59

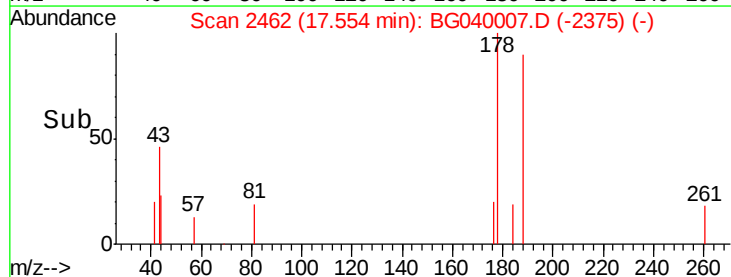
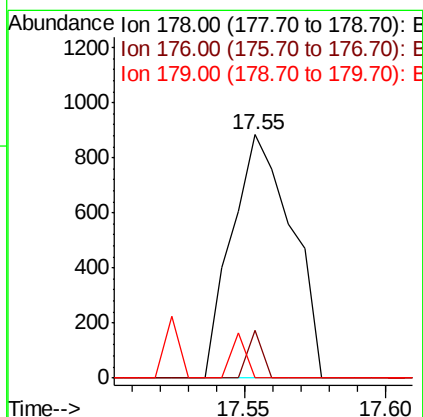
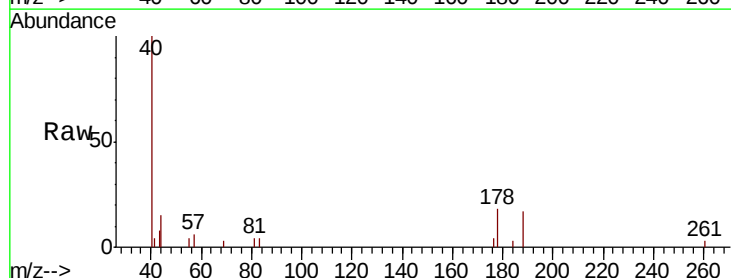
Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-1

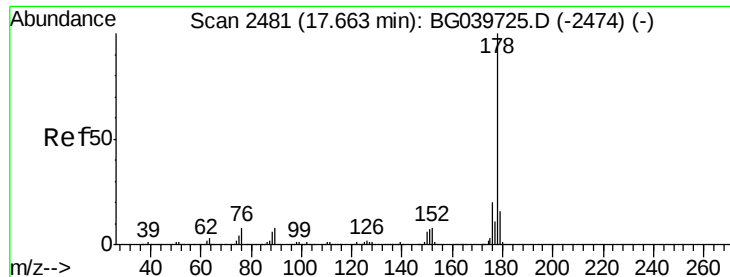
Tgt Ion: 266 Resp: 57  
 Ion Ratio Lower Upper  
 266 100  
 268 0.0 51.1 76.7#  
 264 0.0 52.1 78.1#



#71  
 Phenanthrene  
 Concen: 0.084 ng  
 RT: 17.55 min Scan# 2462  
 Delta R.T. -0.02 min  
 Lab File: BG040007.D  
 Acq: 19 Mar 2019 17:59

Tgt Ion: 178 Resp: 1296  
 Ion Ratio Lower Upper  
 178 100  
 176 19.6 16.2 24.4  
 179 0.0 12.6 19.0#





#72

Anthracene

Concen: 0.086 ng

RT: 17.55 min Scan# 2462

Delta R.T. -0.12 min

Lab File: BG040007.D

Acq: 19 Mar 2019 17:59

Instrument :

BNA\_G

ClientSampleId :

TP-1

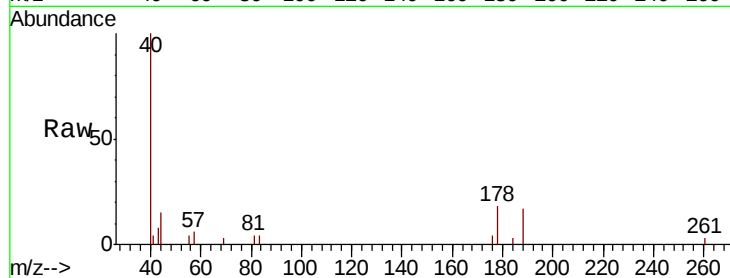
Tgt Ion:178 Resp: 1296

Ion Ratio Lower Upper

178 100

176 19.6 15.8 23.6

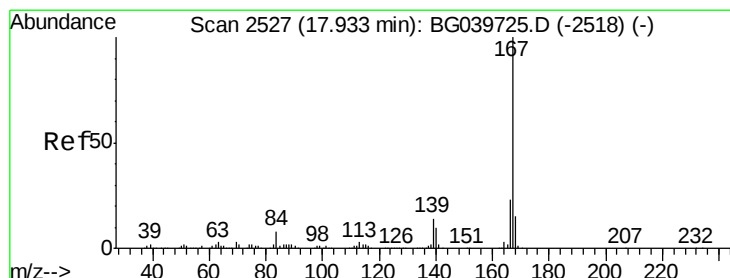
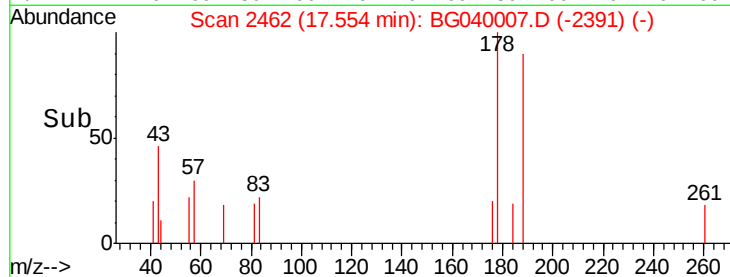
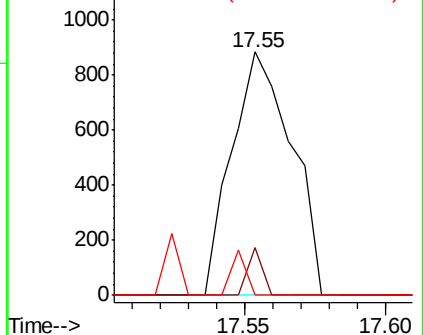
179 0.0 12.5 18.7#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#73

Carbazole

Concen: 0.004 ng

RT: 17.89 min Scan# 2520

Delta R.T. -0.04 min

Lab File: BG040007.D

Acq: 19 Mar 2019 17:59

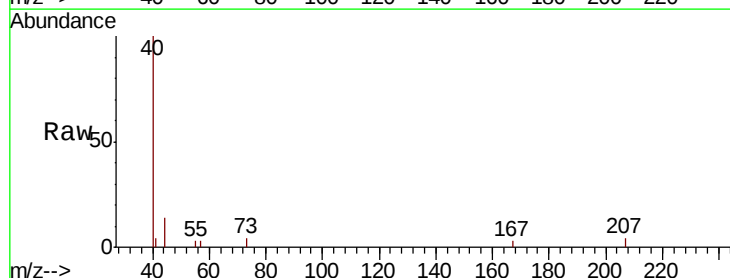
Tgt Ion:167 Resp: 59

Ion Ratio Lower Upper

167 100

166 0.0 19.4 29.2#

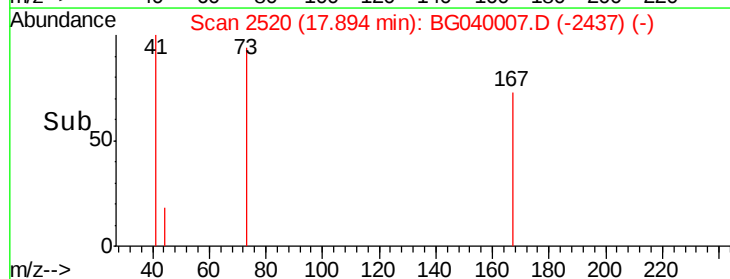
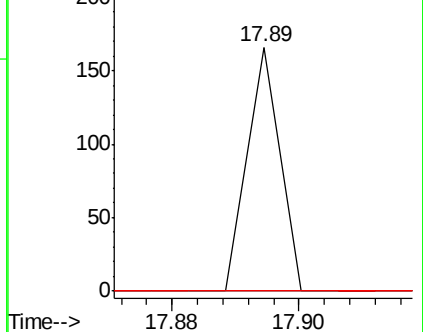
139 0.0 10.8 16.2#

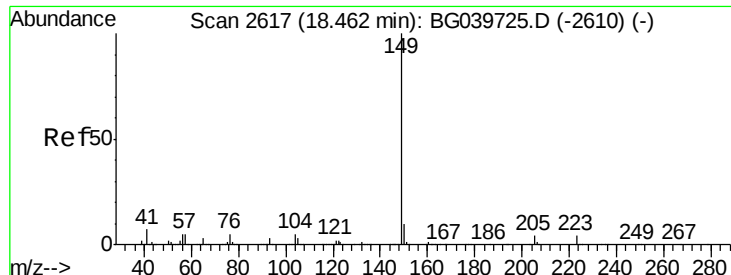


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Di-n-butylphthalate

Concen: 0.035 ng

RT: 18.45 min Scan# 2614

Delta R.T. -0.02 min

Lab File: BG040007.D

Acq: 19 Mar 2019 17:59

Instrument :

BNA\_G

ClientSampleId :

TP-1

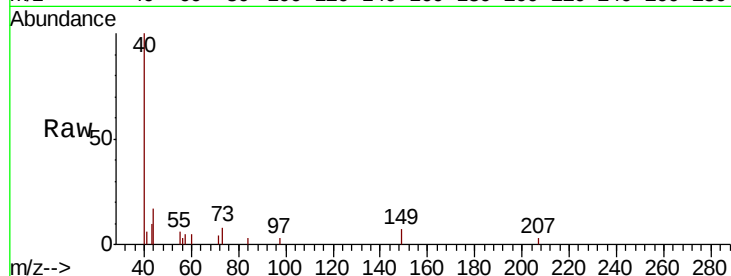
Tgt Ion:149 Resp: 566

Ion Ratio Lower Upper

149 100

150 0.0 7.7 11.5#

104 0.0 4.5 6.7#



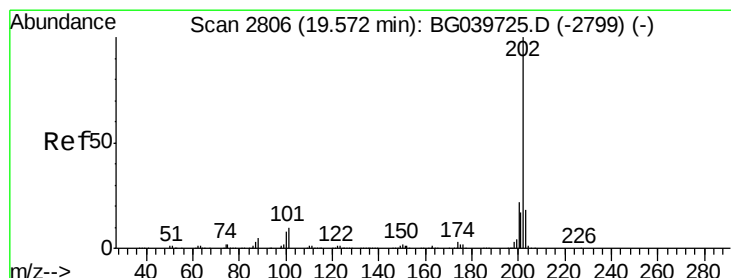
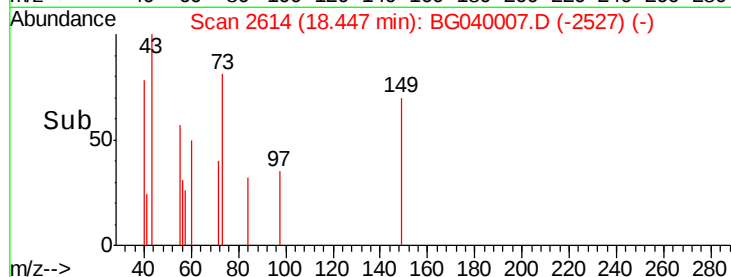
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

18.45

Time--> 18.40



#75

Fluoranthene

Concen: 0.191 ng

RT: 19.56 min Scan# 2804

Delta R.T. -0.02 min

Lab File: BG040007.D

Acq: 19 Mar 2019 17:59

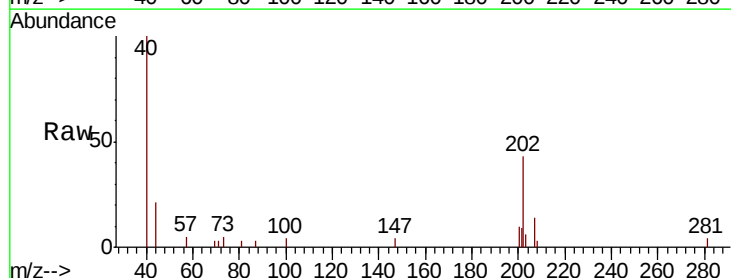
Tgt Ion:202 Resp: 3502

Ion Ratio Lower Upper

202 100

101 0.0 0.0 30.0

203 15.2 0.0 38.9



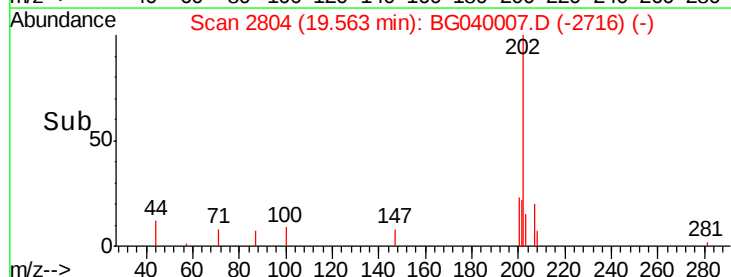
Abundance Ion 202.00 (201.70 to 202.70): E

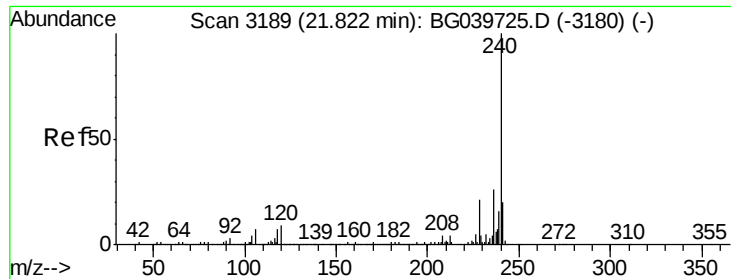
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

19.56

Time--> 19.50

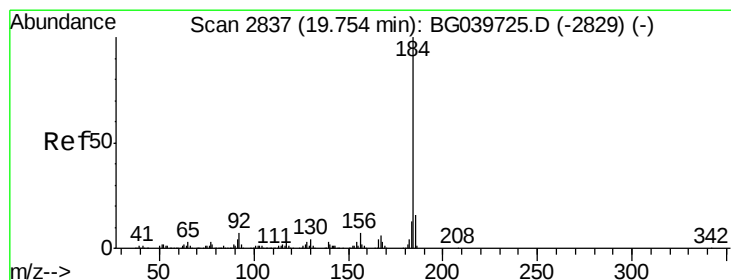
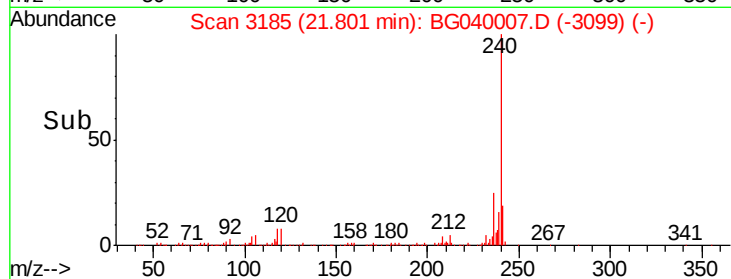
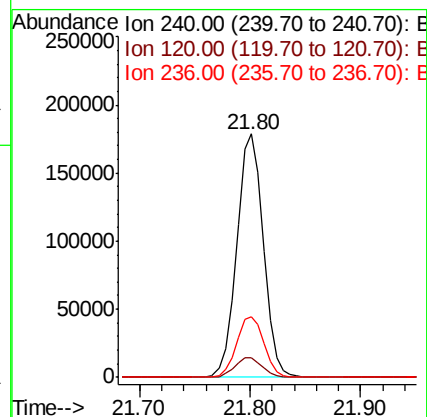
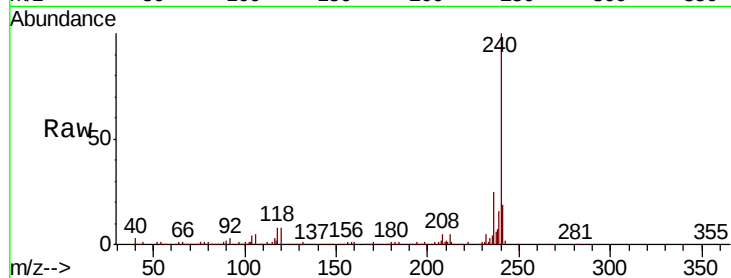




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.80 min Scan# 3185  
Delta R.T. -0.03 min  
Lab File: BG040007.D  
Acq: 19 Mar 2019 17:59

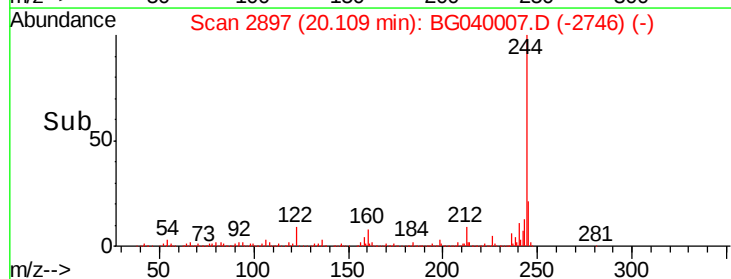
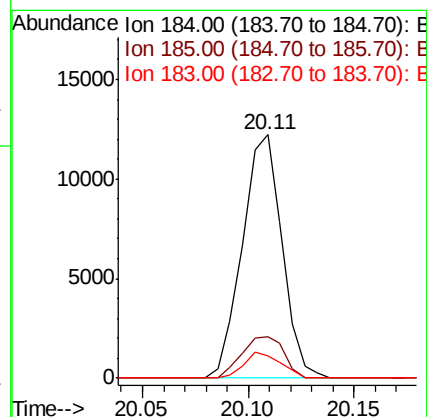
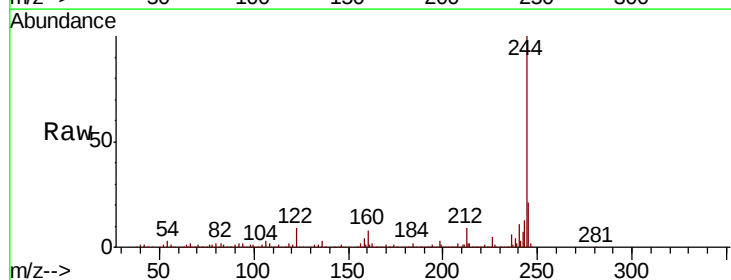
Instrument :  
BNA\_G  
ClientSampleId :  
TP-1

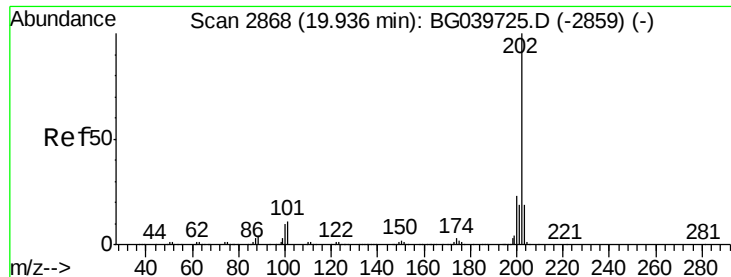
Tgt Ion:240 Resp: 301064  
Ion Ratio Lower Upper  
240 100  
120 8.1 7.0 10.6  
236 25.0 21.0 31.4



#77  
Benzidine  
Concen: 1.662 ng  
RT: 20.11 min Scan# 2897  
Delta R.T. 0.35 min  
Lab File: BG040007.D  
Acq: 19 Mar 2019 17:59

Tgt Ion:184 Resp: 15882  
Ion Ratio Lower Upper  
184 100  
185 16.8 12.2 18.2  
183 8.9 10.6 15.8#





#78

Pyrene

Concen: 0.140 ng

RT: 19.92 min Scan# 2865

Delta R.T. -0.02 min

Lab File: BG040007.D

Acq: 19 Mar 2019 17:59

Instrument :

BNA\_G

ClientSampled :

TP-1

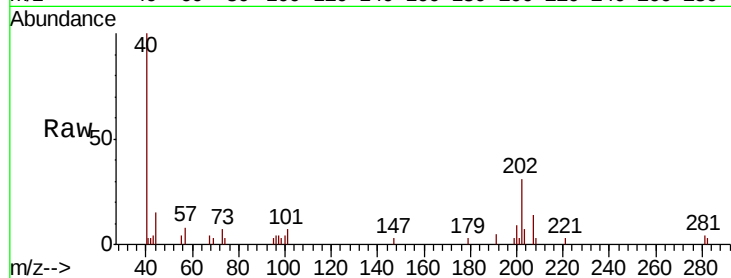
Tgt Ion:202 Resp: 2742

Ion Ratio Lower Upper

202 100

200 30.4 17.8 26.8#

203 21.6 15.3 22.9

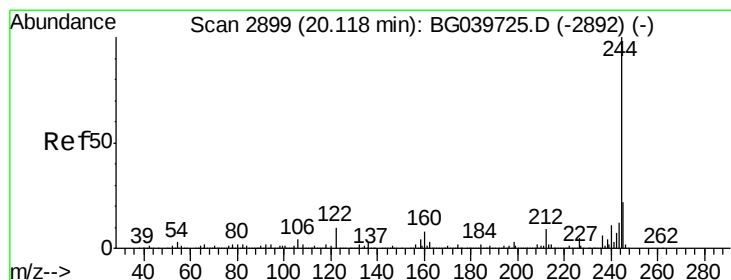
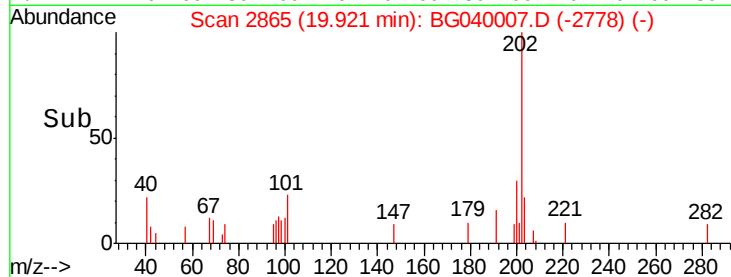
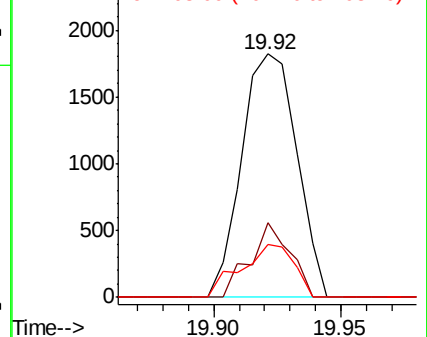


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 66.811 ng

RT: 20.11 min Scan# 2897

Delta R.T. -0.02 min

Lab File: BG040007.D

Acq: 19 Mar 2019 17:59

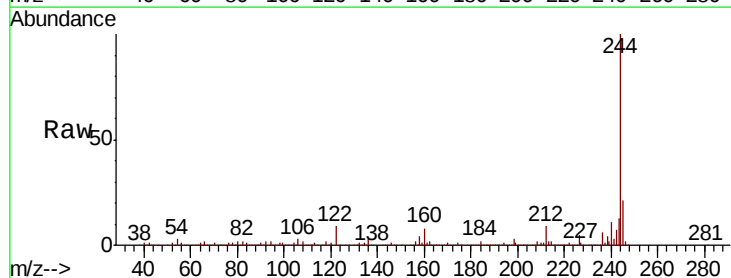
Tgt Ion:244 Resp: 913534

Ion Ratio Lower Upper

244 100

212 9.1 7.3 10.9

122 8.9 8.4 12.6

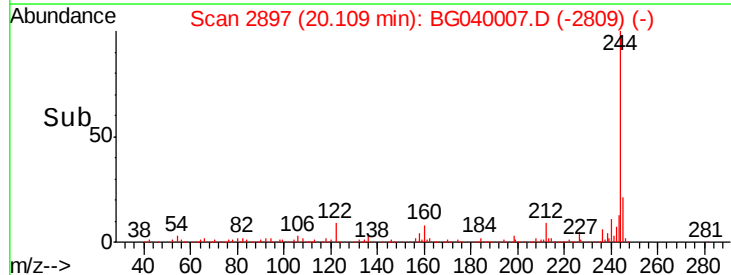
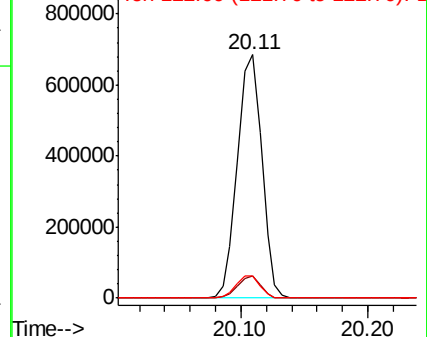


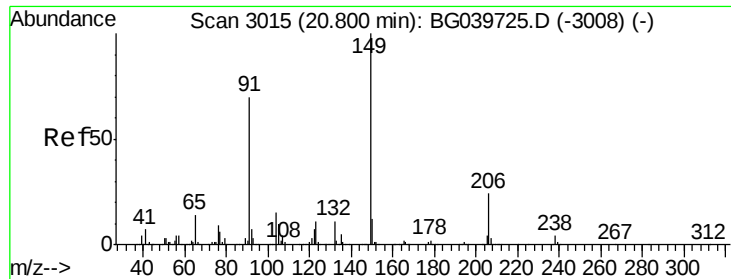
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Butylbenzylphthalate

Concen: 0.008 ng

RT: 20.69 min Scan# 2996

Delta R.T. -0.12 min

Lab File: BG040007.D

Acq: 19 Mar 2019 17:59

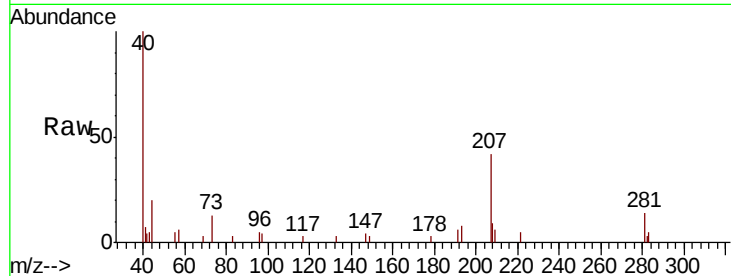
Instrument :

BNA\_G

ClientSampleId :

TP-1

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 149   | Resp: | 60    |
| Ion Ratio | Lower | Upper |       |
| 149       | 100   |       |       |
| 91        | 0.0   | 59.5  | 89.3# |
| 206       | 0.0   | 18.6  | 27.8# |



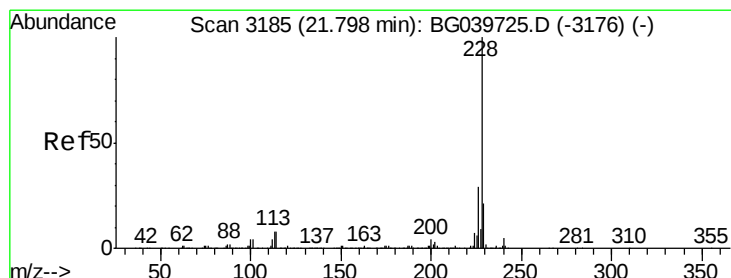
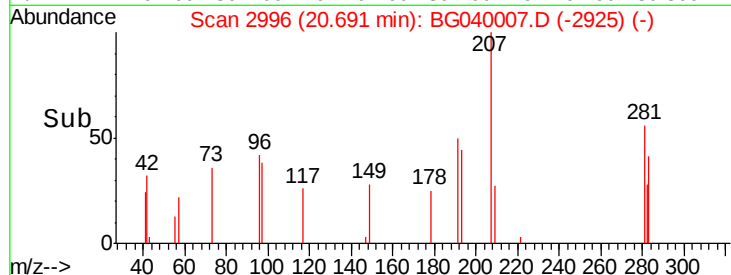
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E

20.69

Time-->



#81

Benzo(a)anthracene

Concen: 0.168 ng

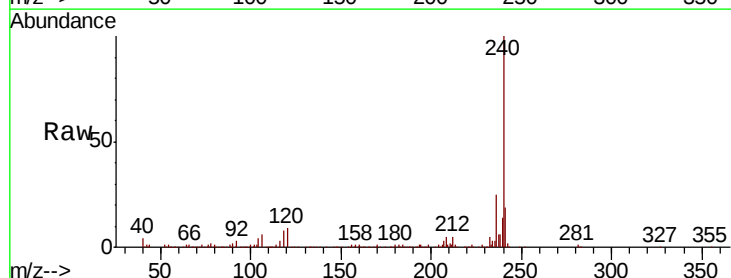
RT: 21.79 min Scan# 3184

Delta R.T. -0.01 min

Lab File: BG040007.D

Acq: 19 Mar 2019 17:59

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 3167  |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 18.8  | 23.0  | 34.6# |
| 229       | 22.4  | 16.9  | 25.3  |



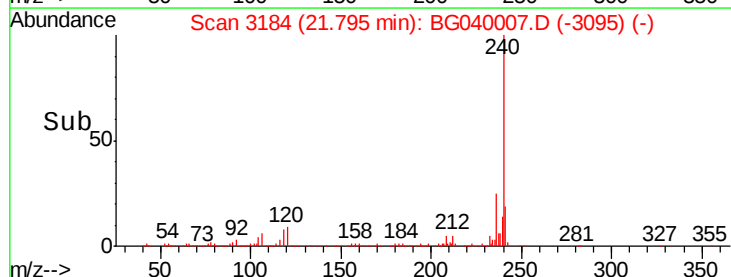
Abundance Ion 228.00 (227.70 to 228.70): E

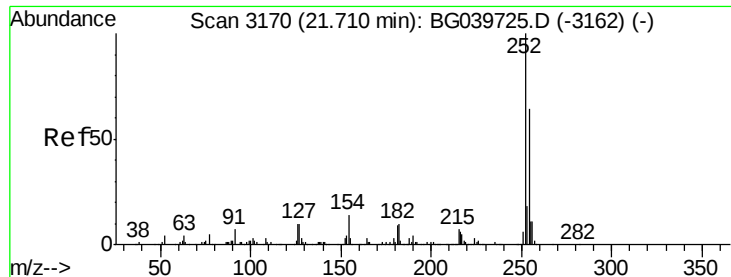
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

21.79

Time-->

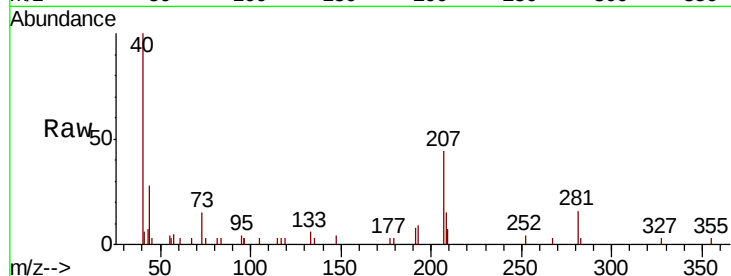




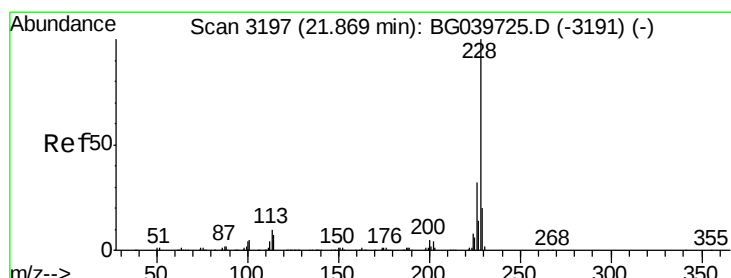
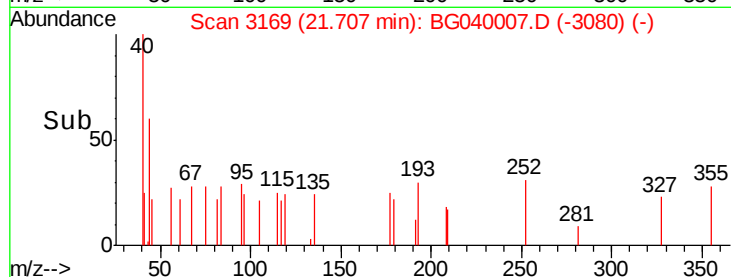
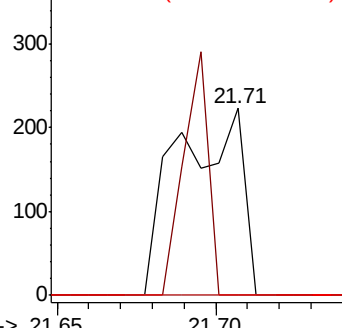
#82  
 3,3'-Dichlorobenzidine  
 Concen: 0.046 ng  
 RT: 21.71 min Scan# 3169  
 Delta R.T. -0.01 min  
 Lab File: BG040007.D  
 Acq: 19 Mar 2019 17:59

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-1

Tgt Ion:252 Resp: 315  
 Ion Ratio Lower Upper  
 252 100  
 254 0.0 51.3 76.9#  
 126 0.0 8.0 12.0#

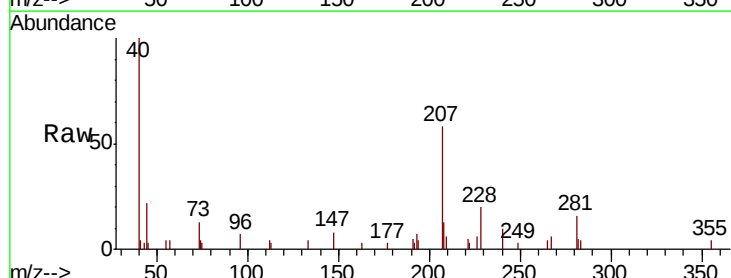


Abundance Ion 252.00 (251.70 to 252.70): E  
 Ion 254.00 (253.70 to 254.70): E  
 Ion 126.00 (125.70 to 126.70): E

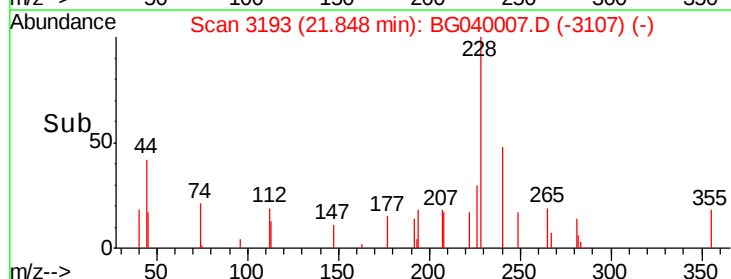
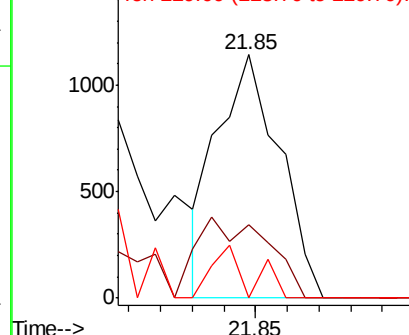


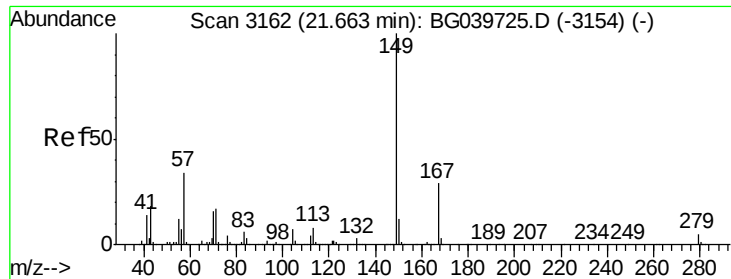
#83  
 Chrysene  
 Concen: 0.085 ng  
 RT: 21.85 min Scan# 3193  
 Delta R.T. -0.03 min  
 Lab File: BG040007.D  
 Acq: 19 Mar 2019 17:59

Tgt Ion:228 Resp: 1551  
 Ion Ratio Lower Upper  
 228 100  
 226 29.9 25.8 38.6  
 229 0.0 16.6 25.0#



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





#84

Bis(2-ethylhexyl)phthalate

Concen: 0.123 ng

RT: 21.64 min Scan# 3158

Delta R.T. -0.03 min

Lab File: BG040007.D

Acq: 19 Mar 2019 17:59

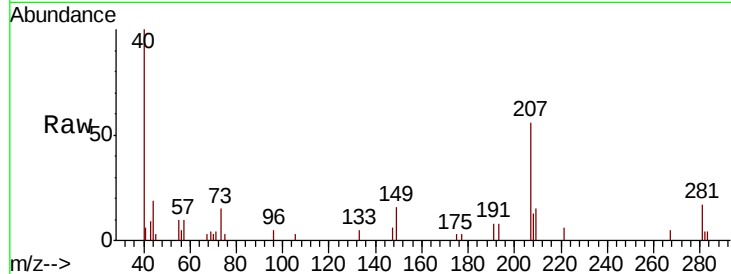
Instrument :

BNA\_G

ClientSampled :

TP-1

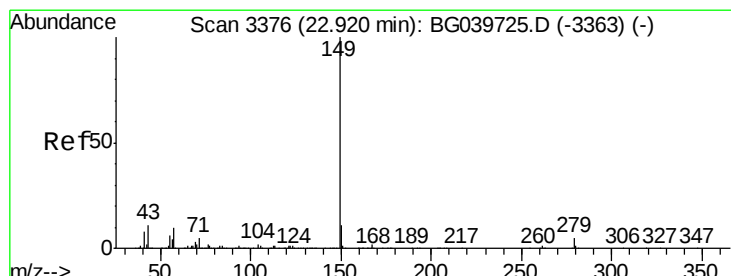
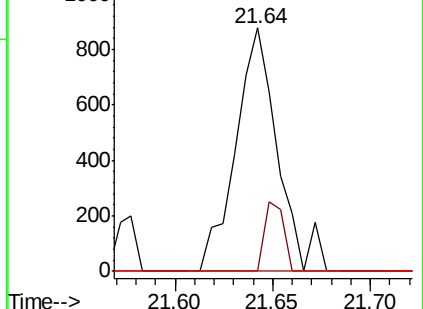
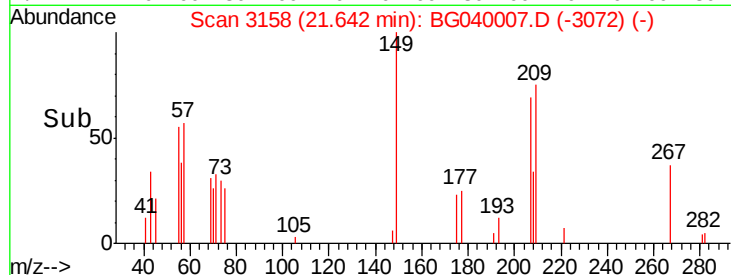
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 149   | Resp: | 1311  |
| Ion Ratio | Lower | Upper |       |
| 149       | 100   |       |       |
| 167       | 0.0   | 22.6  | 34.0# |
| 279       | 0.0   | 3.5   | 5.3#  |



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Di-n-octyl phthalate

Concen: 0.004 ng

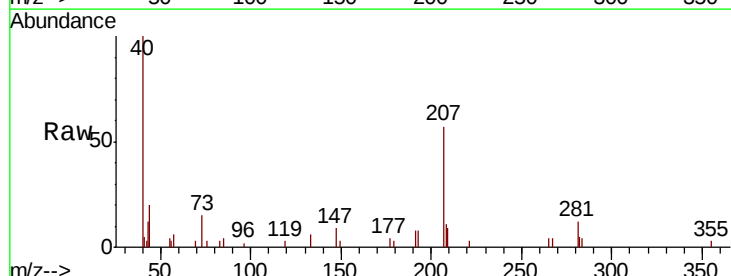
RT: 22.89 min Scan# 3371

Delta R.T. -0.03 min

Lab File: BG040007.D

Acq: 19 Mar 2019 17:59

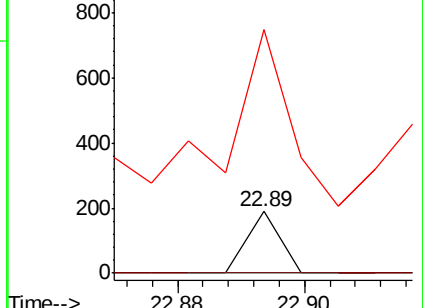
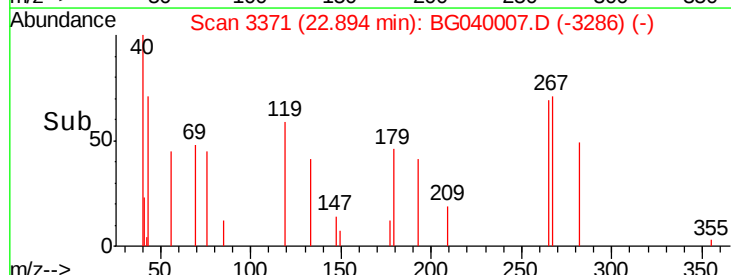
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 149   | Resp: | 67    |
| Ion Ratio | Lower | Upper |       |
| 149       | 100   |       |       |
| 167       | 0.0   | 1.3   | 1.9#  |
| 43        | 526.9 | 10.2  | 15.4# |

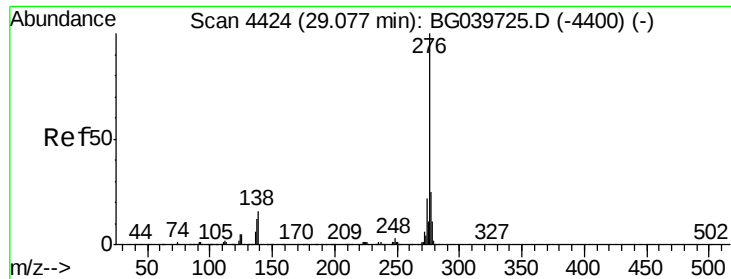


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.028 ng

RT: 29.01 min Scan# 4413

Delta R.T. -0.07 min

Lab File: BG040007.D

Acq: 19 Mar 2019 17:59

Instrument :

BNA\_G

ClientSampled :

TP-1

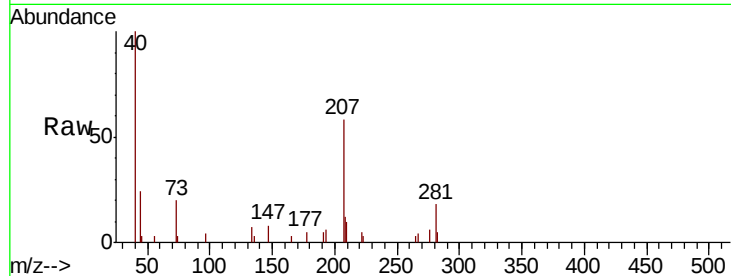
Tgt Ion:276 Resp: 587

Ion Ratio Lower Upper

276 100

138 0.0 12.6 19.0#

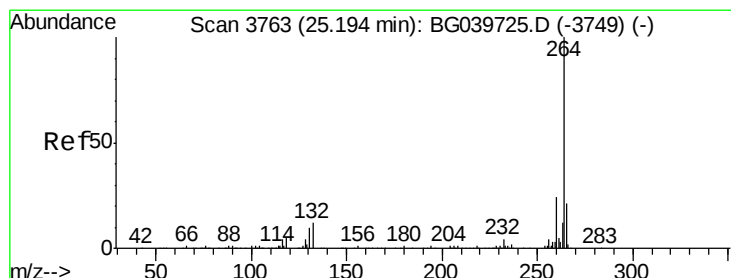
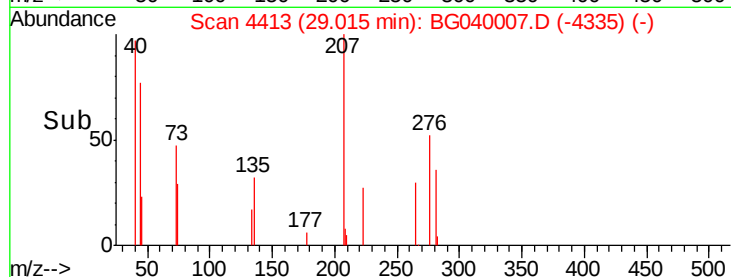
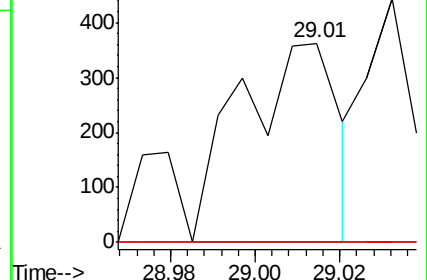
277 0.0 20.8 31.2#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.16 min Scan# 3757

Delta R.T. -0.04 min

Lab File: BG040007.D

Acq: 19 Mar 2019 17:59

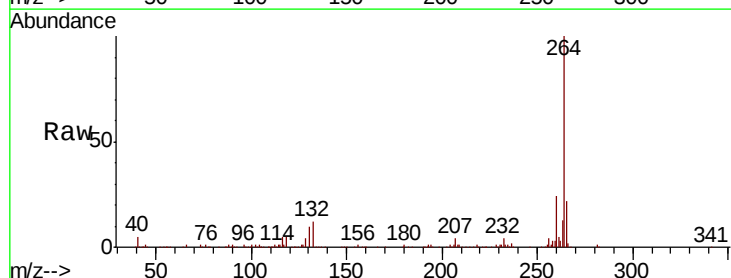
Tgt Ion:264 Resp: 303868

Ion Ratio Lower Upper

264 100

260 23.8 18.2 27.4

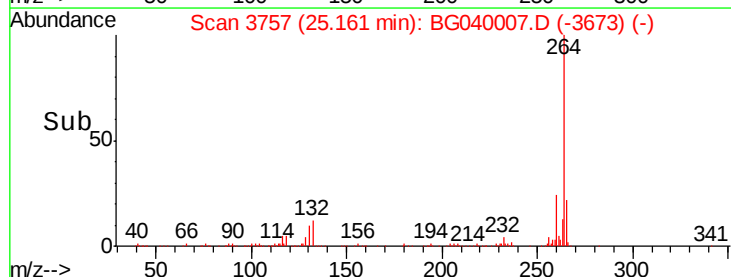
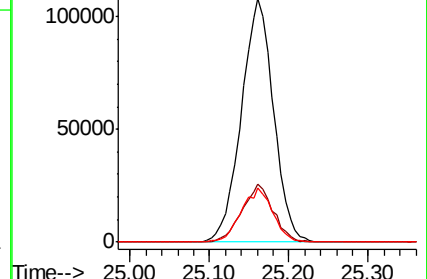
265 22.0 18.5 27.7

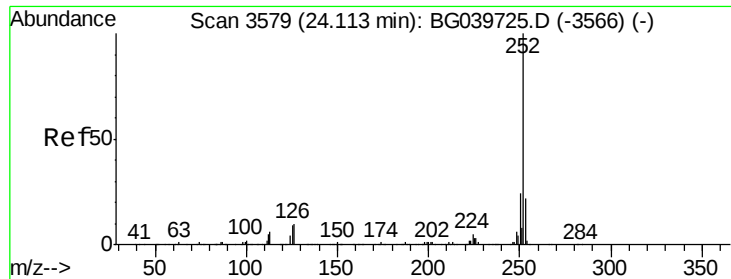


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

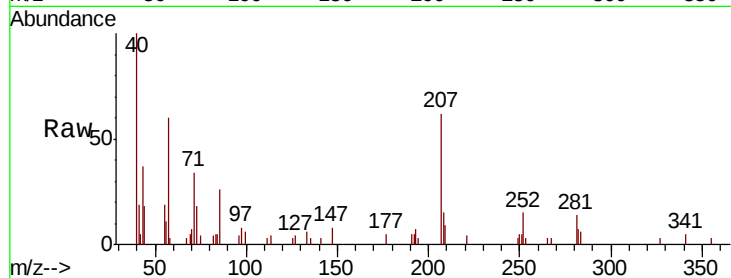




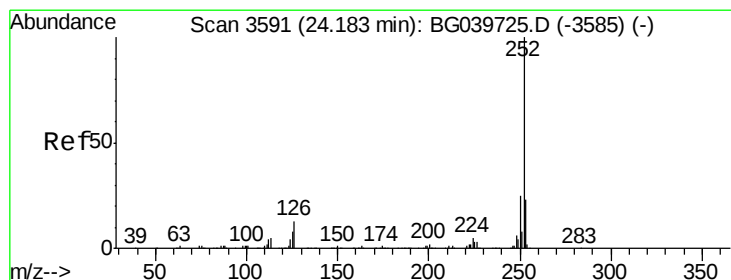
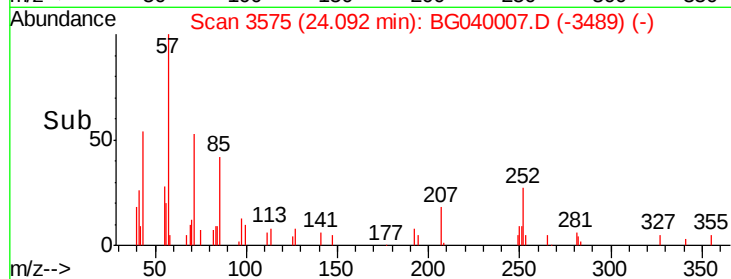
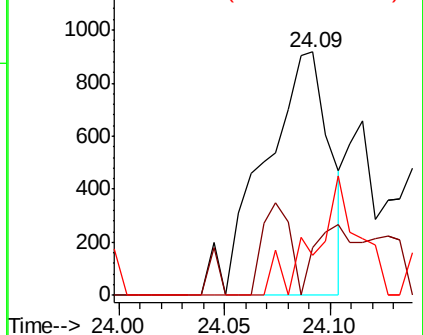
#88  
Benzo(b)fluoranthene  
Concen: 0.109 ng  
RT: 24.09 min Scan# 3575  
Delta R.T. -0.03 min  
Lab File: BG040007.D  
Acq: 19 Mar 2019 17:59

Instrument :  
BNA\_G  
ClientSampleId :  
TP-1

Tgt Ion:252 Resp: 1978  
Ion Ratio Lower Upper  
252 100  
253 19.5 17.8 26.8  
125 16.3 7.8 11.6#

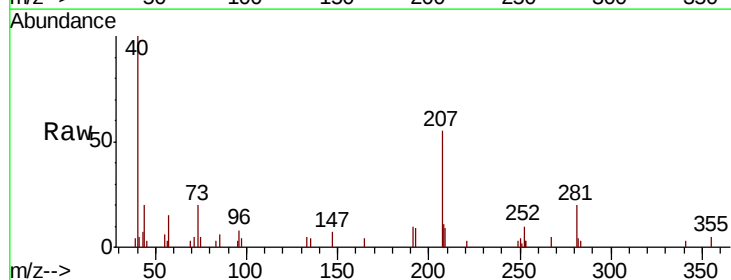


Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E

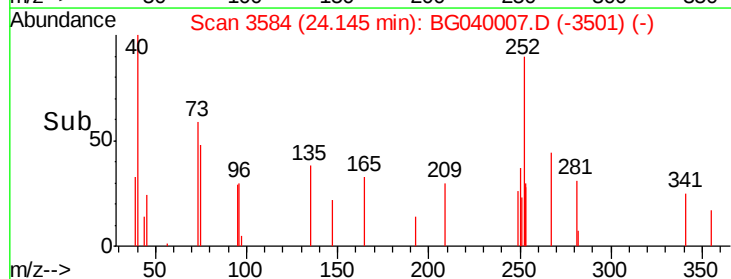
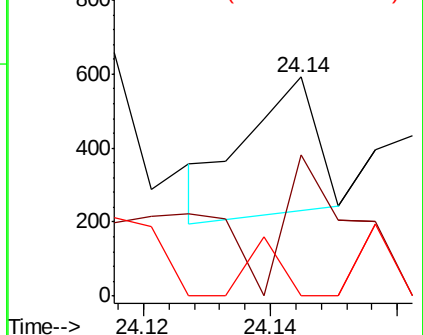


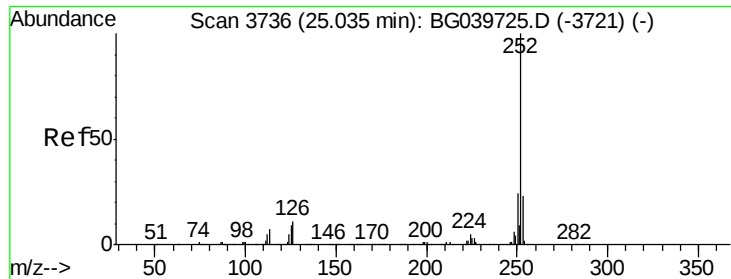
#89  
Benzo(k)fluoranthene  
Concen: 0.017 ng  
RT: 24.14 min Scan# 3584  
Delta R.T. -0.04 min  
Lab File: BG040007.D  
Acq: 19 Mar 2019 17:59

Tgt Ion:252 Resp: 282  
Ion Ratio Lower Upper  
252 100  
253 64.8 18.2 27.2#  
125 0.0 7.4 11.2#



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: 0.105 ng

RT: 25.00 min Scan# 3730

Delta R.T. -0.04 min

Lab File: BG040007.D

Acq: 19 Mar 2019 17:59

Instrument :

BNA\_G

ClientSampleId :

TP-1

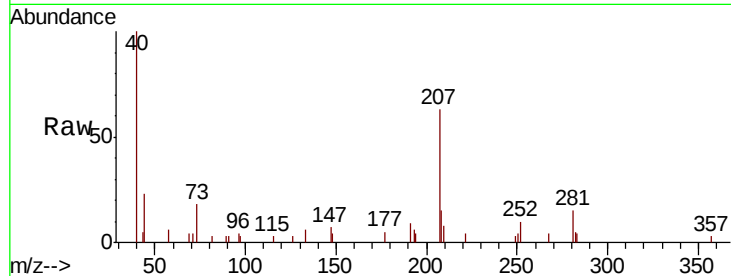
Tgt Ion: 252 Resp: 1761

Ion Ratio Lower Upper

252 100

253 0.0 17.9 26.9#

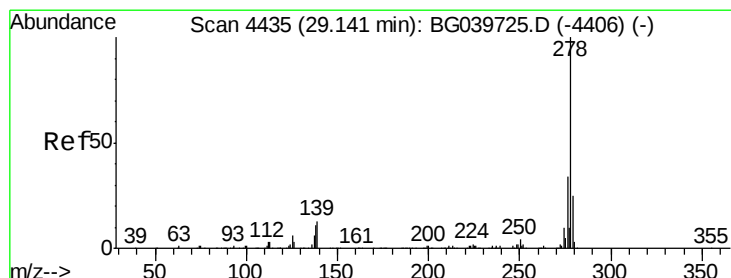
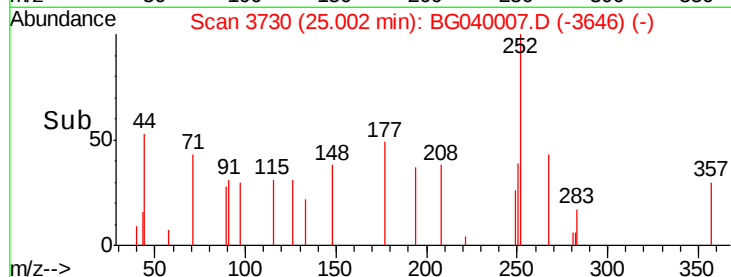
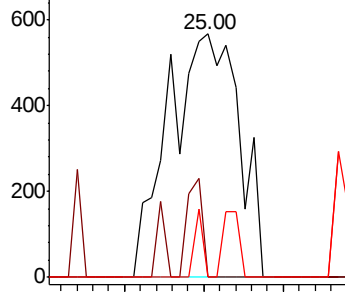
125 0.0 8.3 12.5#



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



#91

Dibenzo(a,h)anthracene

Concen: 0.004 ng

RT: 29.03 min Scan# 4416

Delta R.T. -0.12 min

Lab File: BG040007.D

Acq: 19 Mar 2019 17:59

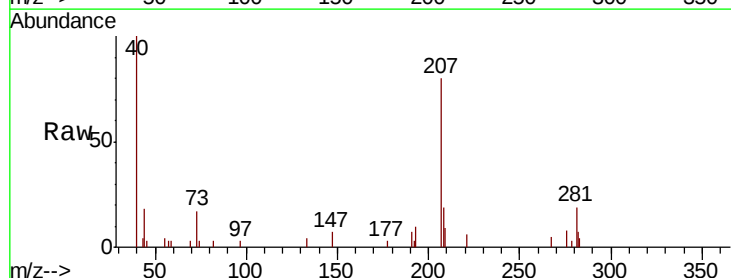
Tgt Ion: 278 Resp: 60

Ion Ratio Lower Upper

278 100

139 0.0 11.7 17.5#

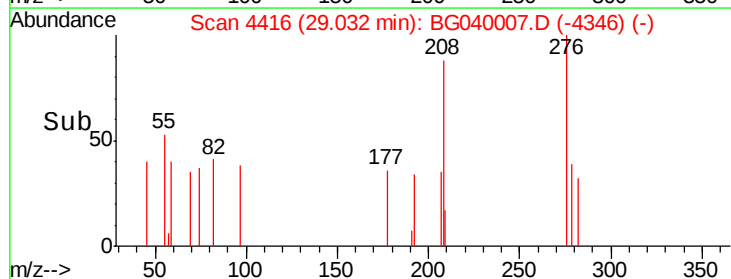
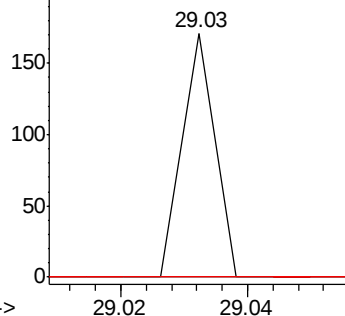
279 0.0 19.1 28.7#

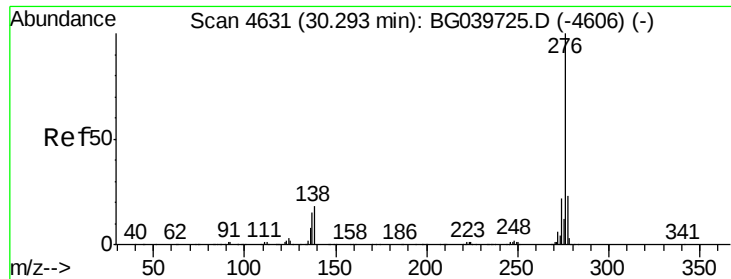


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92

Benzo(g,h,i)perylene

Concen: 0.012 ng

RT: 30.26 min Scan# 4625

Delta R.T. -0.05 min

Lab File: BG040007.D

Acq: 19 Mar 2019 17:59

Instrument :

BNA\_G

ClientSampleId :

TP-1

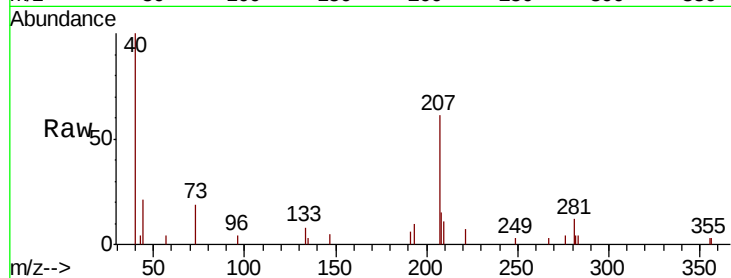
Tgt Ion: 276 Resp: 190

Ion Ratio Lower Upper

276 100

277 0.0 19.6 29.4#

138 0.0 14.7 22.1#



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

