

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG120815\  
 Data File : BG020010.D  
 Acq On : 8 Dec 2015 9:55  
 Operator : UM/SJ  
 Sample : SP3516DL 5X  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP3516DL 5X

Quant Time: Dec 09 03:58:04 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG120215.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 02 18:50:01 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.11  | 152  | 19217    | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8        | 10.93 | 136  | 82102    | 20.00 | ng    | -0.02    |
| 38) Acenaphthene-d10      | 14.74 | 164  | 56833    | 20.00 | ng    | -0.02    |
| 63) Phenanthrene-d10      | 17.58 | 188  | 235122   | 20.00 | ng    | 0.08     |
| 75) Chrysene-d12          | 21.76 | 240  | 172230   | 20.00 | ng    | -0.04    |
| 86) Perylene-d12          | 25.04 | 264  | 162312   | 20.00 | ng    | -0.05    |

## System Monitoring Compounds

|                          |      |     |       |       |    |       |
|--------------------------|------|-----|-------|-------|----|-------|
| 5) 2-Fluorophenol        | 0.00 | 112 | 0     | 0.00  | ng |       |
| 7) Phenol-d6             | 7.26 | 99  | 60847 | 37.90 | ng | -0.02 |
| 23) Nitrobenzene-d5      | 9.28 | 82  | 60624 | 37.68 | ng | -0.02 |
| 41) 2,4,6-Tribromophenol | 0.00 | 330 | 0     | 0.00  | ng |       |
| 44) 2-Fluorobiphenyl     | 0.00 | 172 | 0     | 0.00  | ng |       |
| 78) Terphenyl-d14        | 0.00 | 244 | 0     | 0.00  | ng |       |

## Target Compounds

|                                |       |     |        |       |    | Qvalue |
|--------------------------------|-------|-----|--------|-------|----|--------|
| 2) 1,4-Dioxane                 | 3.52  | 88  | 6084   | 14.69 | ng | # 100  |
| 6) Aniline                     | 7.53  | 93  | 44237  | 21.28 | ng | # 56   |
| 8) 2-Chlorophenol              | 7.67  | 128 | 48670  | 37.54 | ng | 96     |
| 9) Benzaldehyde                | 7.24  | 77  | 33973  | 31.73 | ng | 93     |
| 10) Phenol                     | 7.28  | 94  | 65451  | 38.74 | ng | 83     |
| 11) bis(2-Chloroethyl)ether    | 7.53  | 93  | 44237  | 35.35 | ng | 91     |
| 15) Benzyl Alcohol             | 8.54  | 79  | 23598  | 16.75 | ng | # 12   |
| 16) 2,2'-oxybis(1-Chloropropan | 8.65  | 45  | 66884  | 32.77 | ng | 95     |
| 17) 2-Methylphenol             | 8.55  | 107 | 45198  | 37.89 | ng | # 92   |
| 18) Hexachloroethane           | 9.21  | 117 | 19561  | 34.42 | ng | 97     |
| 19) n-Nitroso-di-n-propylamine | 8.92  | 70  | 41541  | 32.81 | ng | 91     |
| 20) 3+4-Methylphenols          | 8.88  | 107 | 62365  | 37.13 | ng | 92     |
| 22) Acetophenone               | 8.94  | 105 | 78924  | 35.07 | ng | # 93   |
| 24) Nitrobenzene               | 9.32  | 77  | 62534  | 35.84 | ng | 94     |
| 25) Isophorone                 | 9.85  | 82  | 113933 | 33.03 | ng | 96     |
| 26) 2-Nitrophenol              | 10.03 | 139 | 28216  | 41.87 | ng | # 75   |
| 27) 2,4-Dimethylphenol         | 10.09 | 122 | 49782  | 35.47 | ng | 91     |
| 28) bis(2-Chloroethoxy)methane | 10.33 | 93  | 63824  | 37.87 | ng | 97     |
| 29) 2,4-Dichlorophenol         | 10.57 | 162 | 55109  | 38.44 | ng | 96     |
| 31) Naphthalene                | 10.98 | 128 | 158163 | 35.96 | ng | 100    |
| 32) Benzoic acid               | 10.09 | 122 | 49782  | 52.05 | ng | # 18   |
| 33) 4-Chloroaniline            | 11.09 | 127 | 57322  | 29.58 | ng | # 91   |
| 34) Hexachlorobutadiene        | 11.26 | 225 | 39194  | 32.79 | ng | 97     |
| 35) Caprolactam                | 11.84 | 113 | 18242  | 34.18 | ng | # 84   |
| 36) 4-Chloro-3-methylphenol    | 12.19 | 107 | 61368  | 34.37 | ng | 96     |
| 37) 2-Methylnaphthalene        | 12.58 | 142 | 118577 | 36.79 | ng | 94     |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.94 | 216 | 77329  | 35.86 | ng | 98     |
| 40) Hexachlorocyclopentadiene  | 12.92 | 237 | 38908  | 31.64 | ng | 99     |
| 42) 2,4,6-Trichlorophenol      | 13.18 | 196 | 50915  | 35.66 | ng | 97     |
| 43) 2,4,5-Trichlorophenol      | 13.25 | 196 | 55554  | 36.81 | ng | 97     |
| 45) 1,1'-Biphenyl              | 13.58 | 154 | 158160 | 33.91 | ng | 97     |
| 46) 2-Chloronaphthalene        | 13.62 | 162 | 125347 | 34.87 | ng | 97     |
| 47) 2-Nitroaniline             | 13.82 | 65  | 45042  | 39.67 | ng | 89     |
| 48) Acenaphthylene             | 14.46 | 152 | 206772 | 33.77 | ng | 100    |

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 Data File : BG020010.D  
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 Operator : UM/SJ  
 Sample : SP3516DL 5X  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

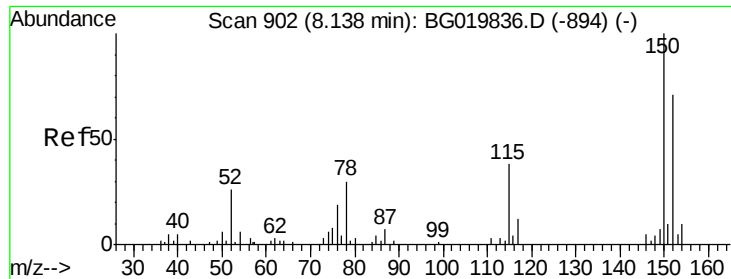
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP3516DL 5X

Quant Time: Dec 09 03:58:04 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG120215.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 02 18:50:01 2015  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 49) Dimethylphthalate          | 14.19 | 163  | 163306   | 31.94 | ng    | 98       |
| 50) 2,6-Dinitrotoluene         | 14.31 | 165  | 34964    | 36.38 | ng #  | 79       |
| 51) Acenaphthene               | 14.81 | 154  | 128239   | 34.51 | ng    | 99       |
| 52) 3-Nitroaniline             | 14.64 | 138  | 33473    | 33.52 | ng    | 94       |
| 53) 2,4-Dinitrophenol          | 14.84 | 184  | 13451    | 32.52 | ng    | 87       |
| 54) Dibenzofuran               | 15.14 | 168  | 202013   | 36.55 | ng    | 95       |
| 55) 4-Nitrophenol              | 14.93 | 139  | 31028    | 35.68 | ng #  | 69       |
| 56) 2,4-Dinitrotoluene         | 15.09 | 165  | 52719    | 39.31 | ng #  | 93       |
| 57) Fluorene                   | 15.79 | 166  | 161502   | 32.64 | ng    | 98       |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.36 | 232  | 51840    | 37.12 | ng    | 98       |
| 59) Diethylphthalate           | 15.55 | 149  | 170388   | 30.80 | ng    | 98       |
| 60) 4-Chlorophenyl-phenylether | 15.77 | 204  | 89601    | 31.54 | ng    | 97       |
| 61) 4-Nitroaniline             | 15.80 | 138  | 34263    | 30.51 | ng #  | 78       |
| 62) Azobenzene                 | 15.99 | 77   | 16855    | 3.66  | ng #  | 1        |
| 64) 4,6-Dinitro-2-methylphenol | 15.85 | 198  | 28697    | 25.07 | ng    | 86       |
| 65) n-Nitrosodiphenylamine     | 15.99 | 169  | 145758   | 21.42 | ng    | 96       |
| 66) 4-Bromophenyl-phenylether  | 16.67 | 248  | 60439    | 20.69 | ng    | 97       |
| 67) Hexachlorobenzene          | 16.79 | 284  | 64461    | 21.18 | ng    | 96       |
| 68) Atrazine                   | 16.93 | 200  | 63013    | 21.32 | ng    | 98       |
| 69) Pentachlorophenol          | 17.13 | 266  | 39145    | 22.04 | ng    | 97       |
| 70) Phenanthrene               | 17.62 | 178  | 289267   | 21.74 | ng    | 95       |
| 71) Anthracene                 | 17.62 | 178  | 289267   | 21.35 | ng    | 95       |
| 72) Carbazole                  | 17.88 | 167  | 256835   | 21.52 | ng    | 98       |
| 73) Di-n-butylphthalate        | 18.44 | 149  | 303517   | 20.75 | ng    | 98       |
| 74) Fluoranthene               | 19.53 | 202  | 357058   | 20.98 | ng    | 94       |
| 77) Pyrene                     | 19.89 | 202  | 362539   | 35.78 | ng    | 95       |
| 79) Butylbenzylphthalate       | 20.77 | 149  | 140763   | 35.44 | ng    | 99       |
| 80) Benzo(a)anthracene         | 21.74 | 228  | 375771   | 35.64 | ng    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 21.65 | 252  | 114865   | 28.61 | ng    | 98       |
| 82) Chrysene                   | 21.80 | 228  | 350025   | 34.97 | ng    | 97       |
| 83) Bis(2-ethylhexyl)phthalate | 21.64 | 149  | 205273   | 35.22 | ng    | 96       |
| 84) Di-n-octyl phthalate       | 22.87 | 149  | 351687   | 37.11 | ng #  | 95       |
| 85) Indeno(1,2,3-cd)pyrene     | 28.78 | 276  | 401921   | 36.45 | ng #  | 100      |
| 87) Benzo(b)fluoranthene       | 23.99 | 252  | 356313   | 34.64 | ng #  | 95       |
| 88) Benzo(k)fluoranthene       | 24.06 | 252  | 349328   | 34.29 | ng #  | 97       |
| 89) Benzo(a)pyrene             | 24.89 | 252  | 347355   | 35.57 | ng #  | 95       |
| 90) Dibenzo(a,h)anthracene     | 28.85 | 278  | 330120   | 34.21 | ng #  | 93       |
| 91) Benzo(g,h,i)perylene       | 29.96 | 276  | 323219   | 34.11 | ng #  | 92       |

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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.11 min Scan# 898

Delta R.T. -0.02 min

Lab File: BG020010.D

Acq: 8 Dec 2015 9:55

Instrument :

BNA\_F

ClientSampleId :

SP3516DL 5X

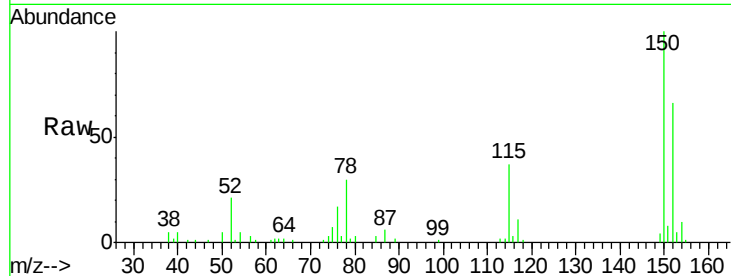
Tgt Ion:152 Resp: 19217

Ion Ratio Lower Upper

152 100

150 151.2 115.0 172.4

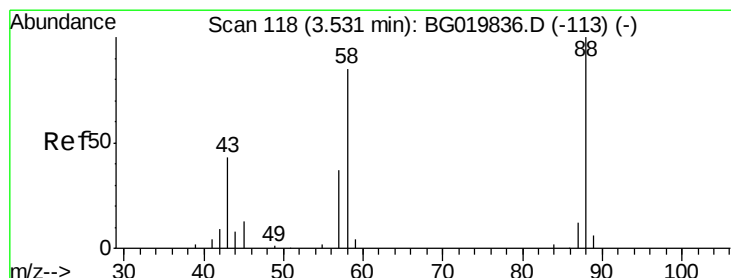
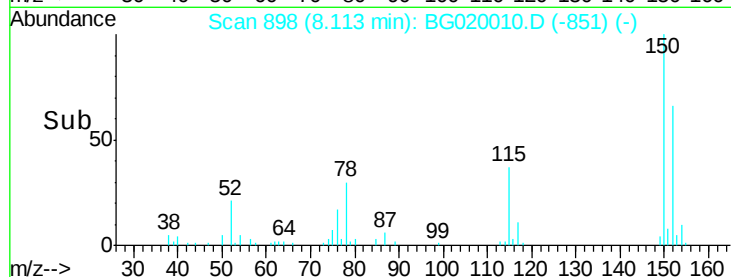
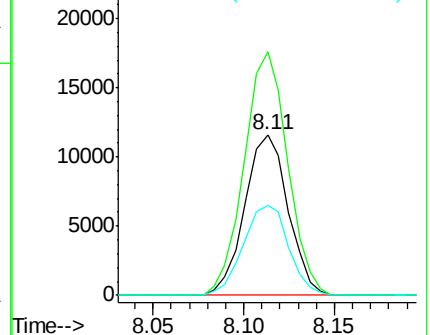
115 55.6 43.9 65.9



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: 14.69 ng

RT: 3.52 min Scan# 117

Delta R.T. -0.01 min

Lab File: BG020010.D

Acq: 8 Dec 2015 9:55

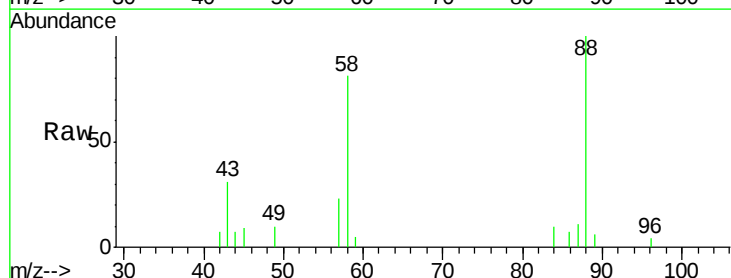
Tgt Ion: 88 Resp: 6084

Ion Ratio Lower Upper

88 100

58 80.5 0.0 0.0#

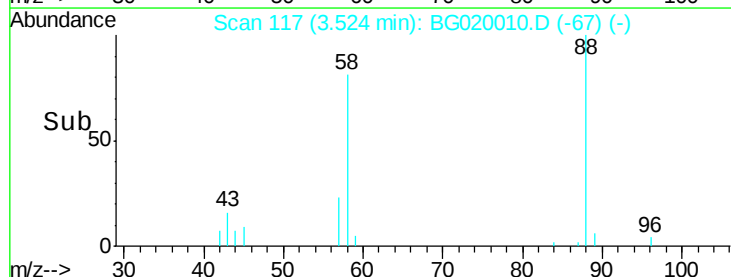
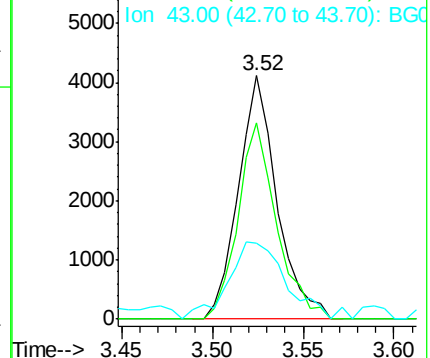
43 46.3 0.0 0.0#

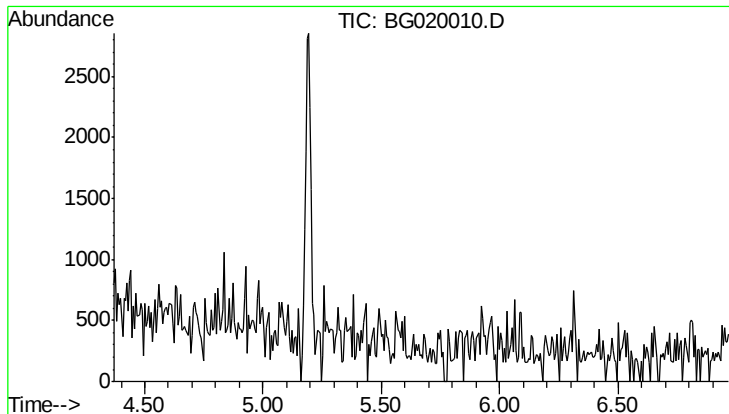


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC

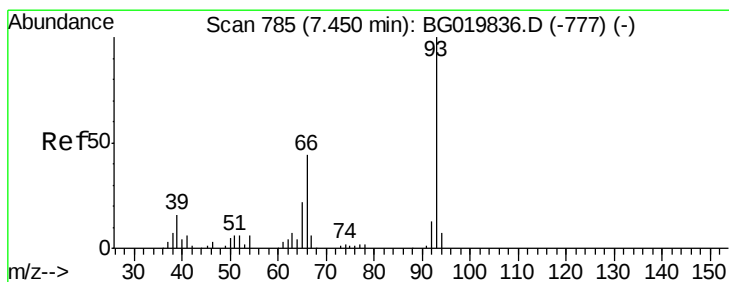
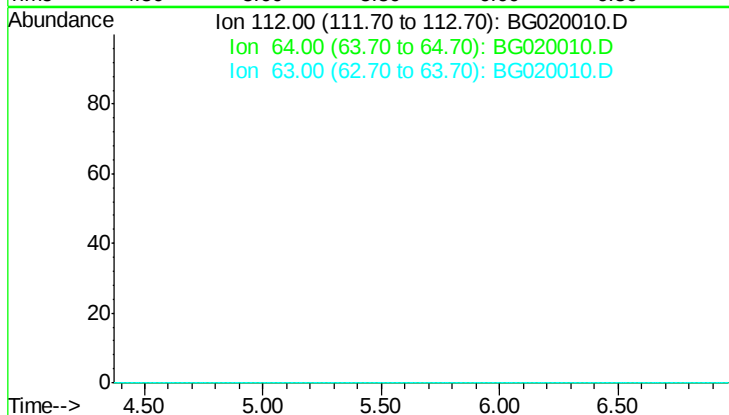




#5  
 2-Fluorophenol  
 Concen: 0.00 ng  
 Expected RT: 5.67 min  
 Lab File: BG020010.D  
 Acq: 8 Dec 2015 9:55

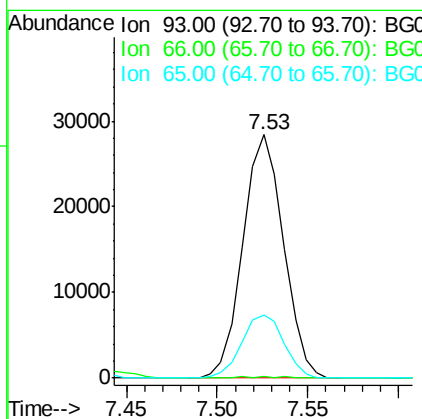
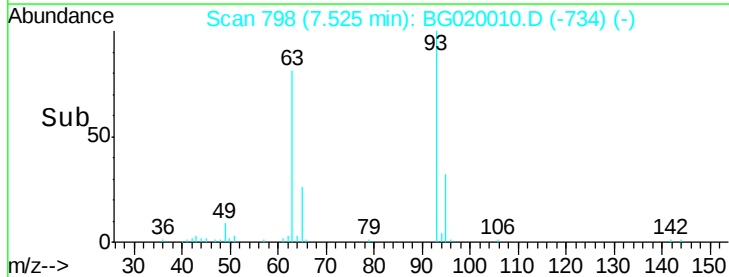
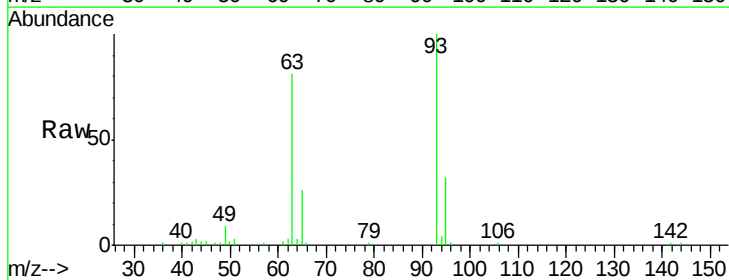
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP3516DL 5X

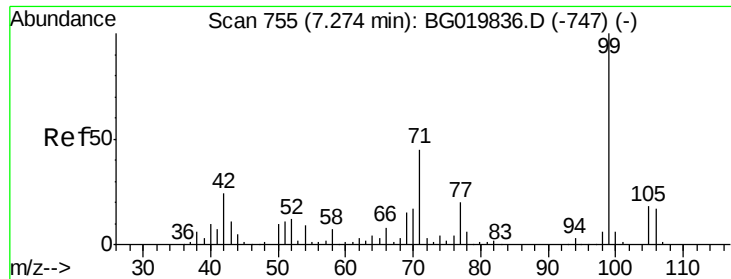
Tgt Ion: 112  
 Sig Exp Ratio  
 112 100  
 64 54.6  
 63 30.0



#6  
 Aniline  
 Concen: 21.28 ng  
 RT: 7.53 min Scan# 798  
 Delta R.T. 0.08 min  
 Lab File: BG020010.D  
 Acq: 8 Dec 2015 9:55

Tgt Ion: 93 Resp: 44237  
 Ion Ratio Lower Upper  
 93 100  
 66 0.7 26.2 39.2#  
 65 26.1 14.0 21.0#





#7

Phenol-d6

Concen: 37.90 ng

RT: 7.26 min Scan# 752

Delta R.T. -0.02 min

Lab File: BG020010.D

Acq: 8 Dec 2015 9:55

Instrument :

BNA\_F

ClientSampleId :

SP3516DL 5X

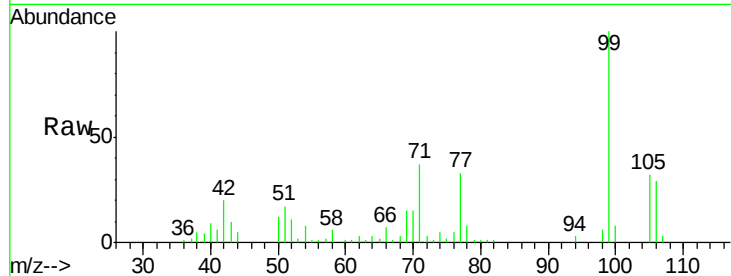
Tgt Ion: 99 Resp: 60847

Ion Ratio Lower Upper

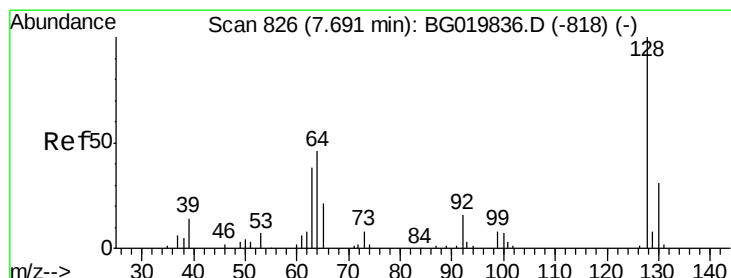
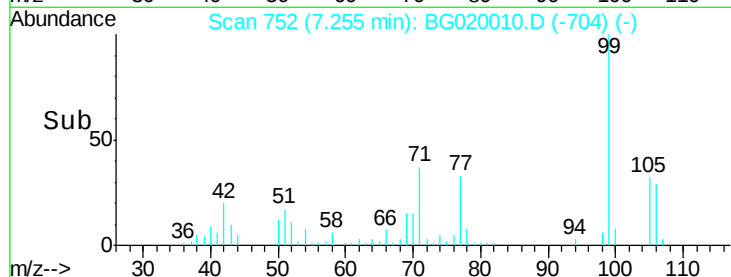
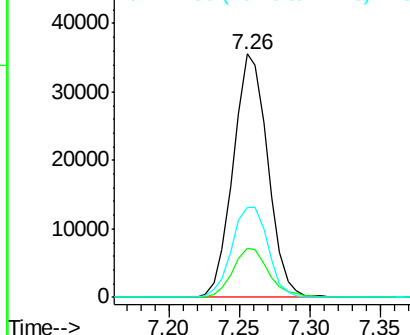
99 100

42 20.2 11.5 17.3#

71 37.1 22.6 34.0#



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



#8

2-Chlorophenol

Concen: 37.54 ng

RT: 7.67 min Scan# 823

Delta R.T. -0.02 min

Lab File: BG020010.D

Acq: 8 Dec 2015 9:55

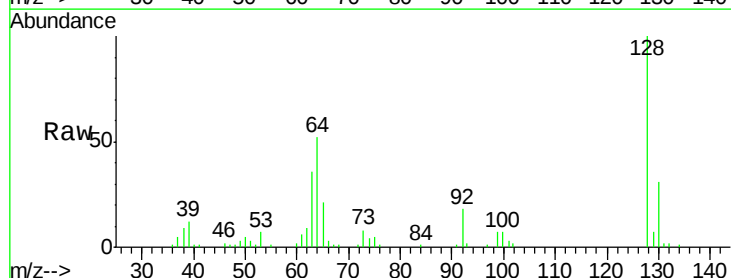
Tgt Ion: 128 Resp: 48670

Ion Ratio Lower Upper

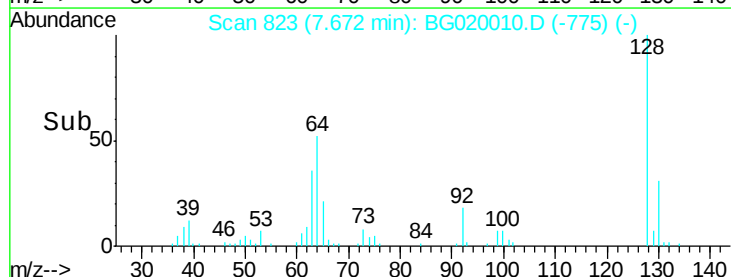
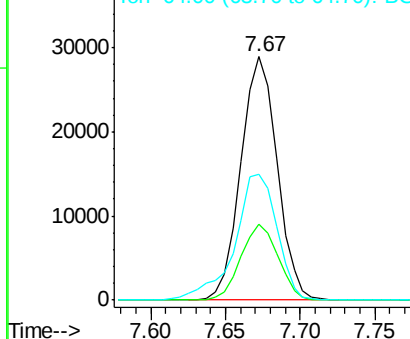
128 100

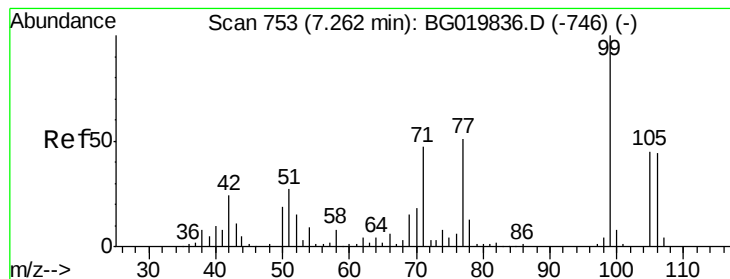
130 31.4 13.0 53.0

64 51.6 28.2 68.2



Abundance Ion 128.00 (127.70 to 128.70): BGC  
Ion 130.00 (129.70 to 130.70): BGC  
Ion 64.00 (63.70 to 64.70): BGC





#9

Benzaldehyde

Concen: 31.73 ng

RT: 7.24 min Scan# 750

Delta R.T. -0.02 min

Lab File: BG020010.D

Acq: 8 Dec 2015 9:55

Instrument :

BNA\_F

ClientSampleId :

SP3516DL 5X

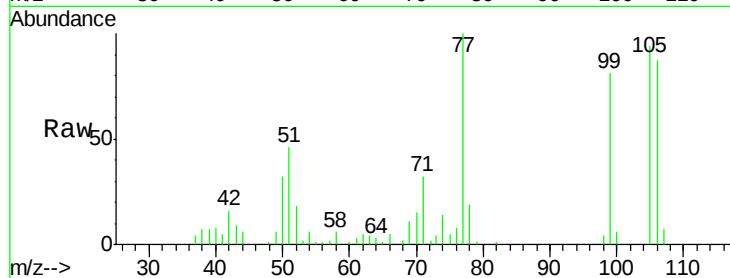
Tgt Ion: 77 Resp: 33973

Ion Ratio Lower Upper

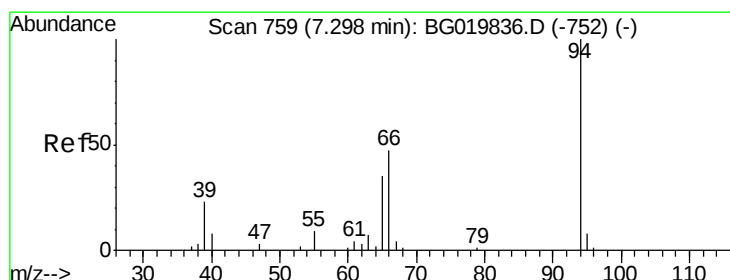
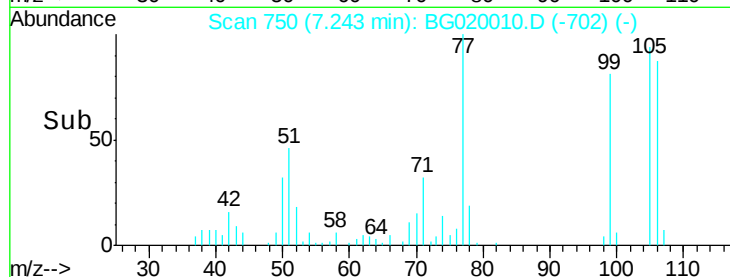
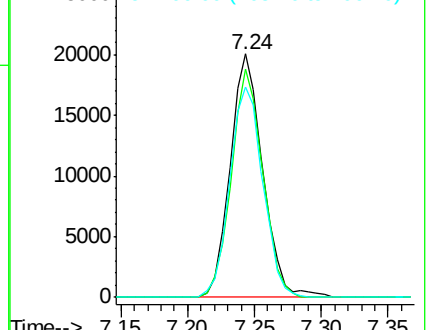
77 100

105 93.7 77.7 117.7

106 86.5 75.8 115.8



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: 38.74 ng

RT: 7.28 min Scan# 757

Delta R.T. -0.01 min

Lab File: BG020010.D

Acq: 8 Dec 2015 9:55

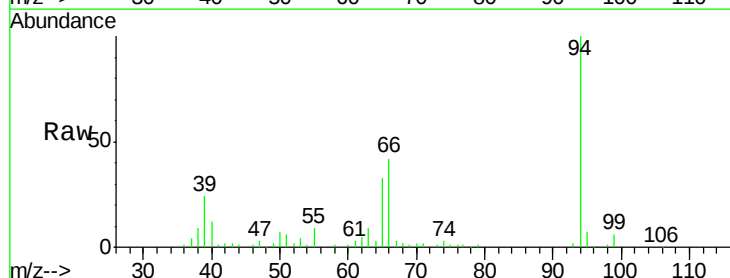
Tgt Ion: 94 Resp: 65451

Ion Ratio Lower Upper

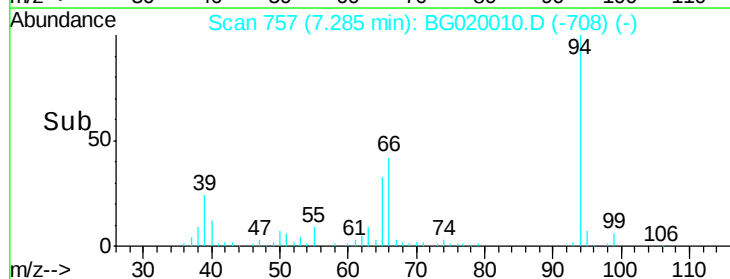
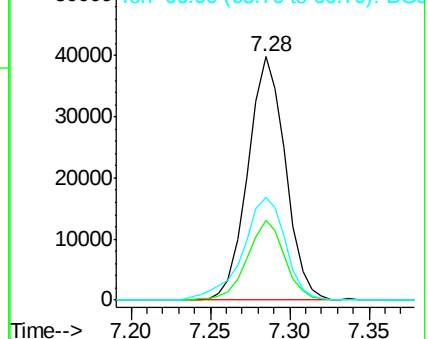
94 100

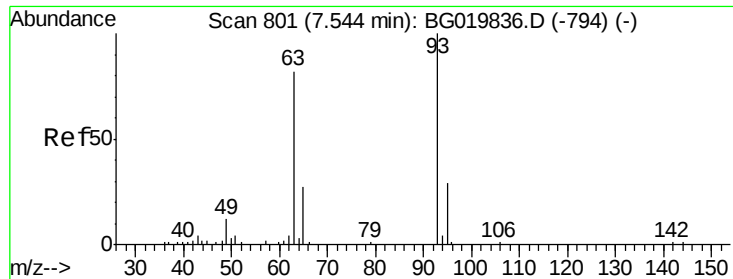
65 33.0 5.4 45.4

66 42.5 11.8 51.8



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

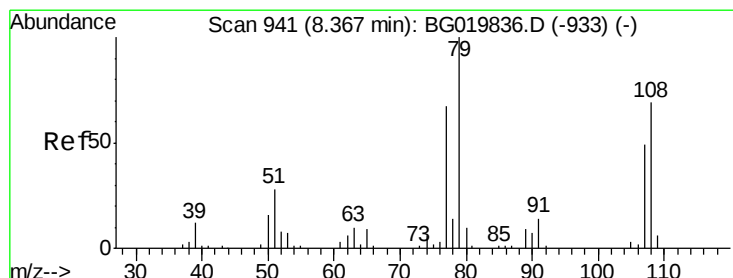
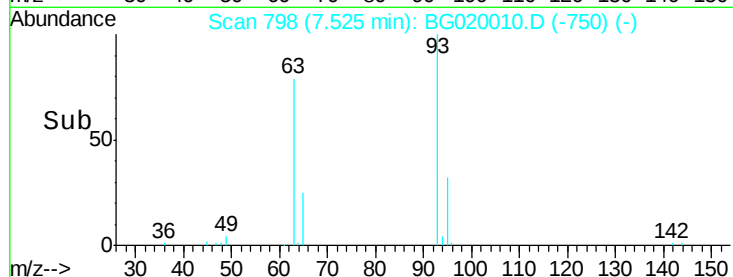
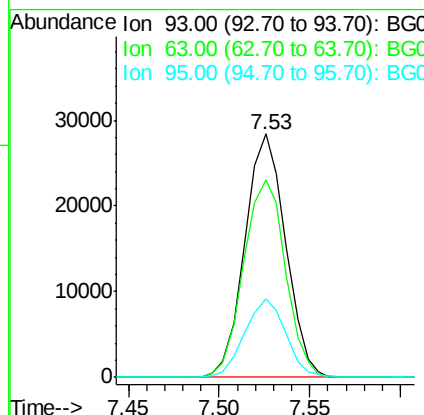
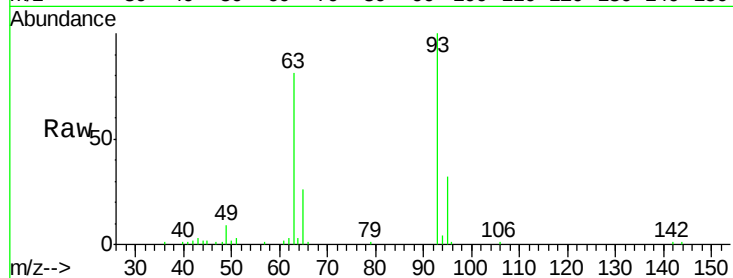




#11  
bis(2-Chloroethyl)ether  
Concen: 35.35 ng  
RT: 7.53 min Scan# 798  
Delta R.T. -0.02 min  
Lab File: BG020010.D  
Acq: 8 Dec 2015 9:55

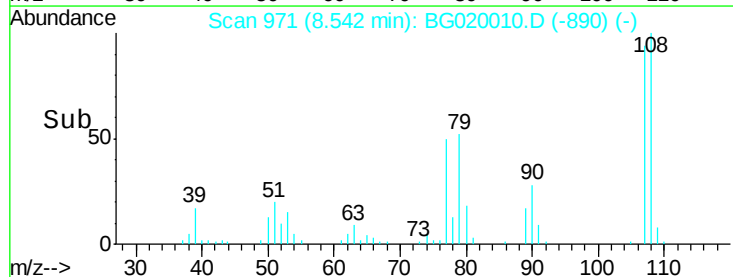
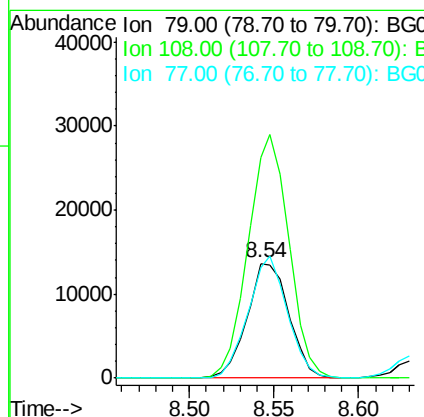
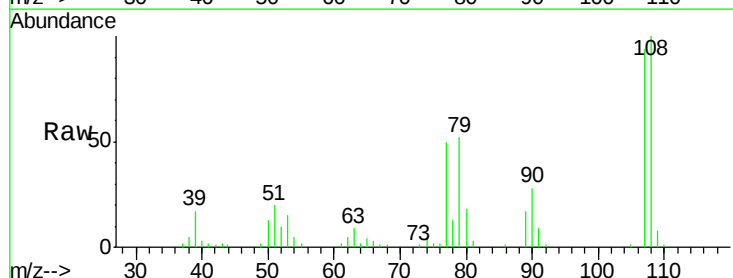
Instrument :  
BNA\_F  
ClientSampleId :  
SP3516DL 5X

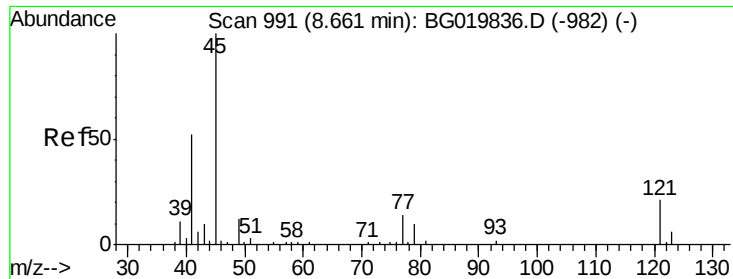
Tgt Ion: 93 Resp: 44237  
Ion Ratio Lower Upper  
93 100  
63 81.4 50.5 90.5  
95 32.4 12.2 52.2



#15  
Benzyl Alcohol  
Concen: 16.75 ng  
RT: 8.54 min Scan# 971  
Delta R.T. 0.18 min  
Lab File: BG020010.D  
Acq: 8 Dec 2015 9:55

Tgt Ion: 79 Resp: 23598  
Ion Ratio Lower Upper  
79 100  
108 193.3 65.5 98.3#  
77 96.1 51.3 76.9#

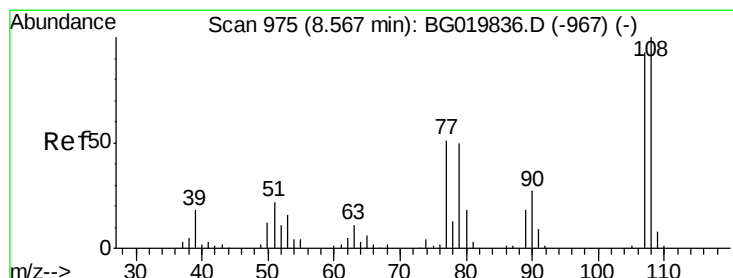
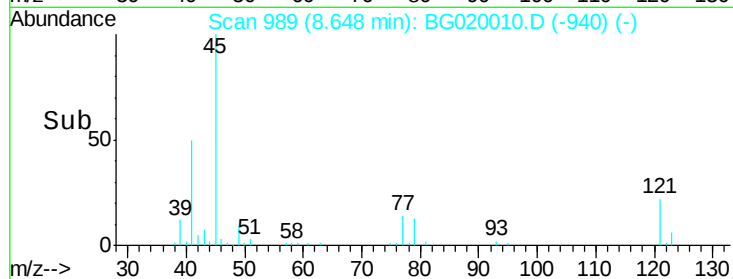
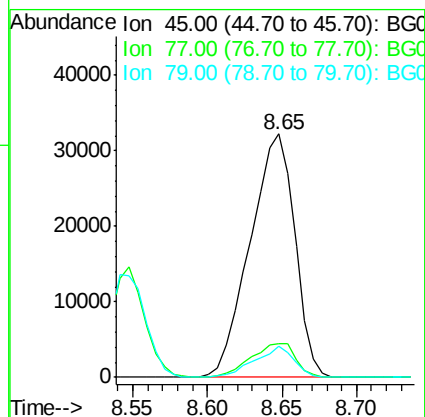
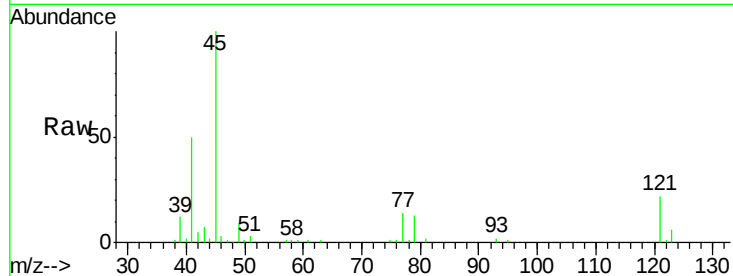




#16  
2,2'-oxybis(1-chloropropane)  
Concen: 32.77 ng  
RT: 8.65 min Scan# 989  
Delta R.T. -0.01 min  
Lab File: BG020010.D  
Acq: 8 Dec 2015 9:55

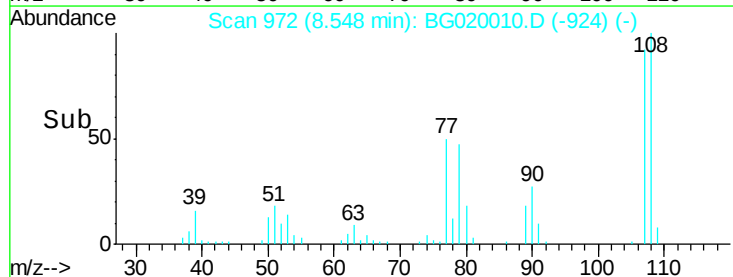
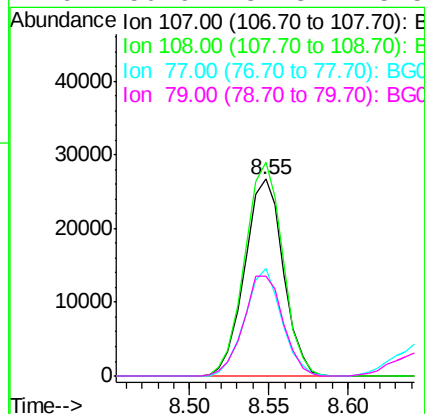
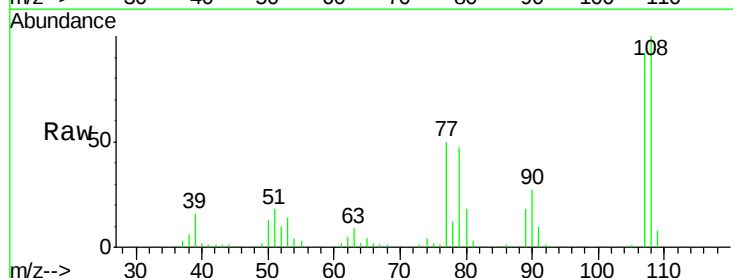
Instrument :  
BNA\_F  
ClientSampleId :  
SP3516DL 5X

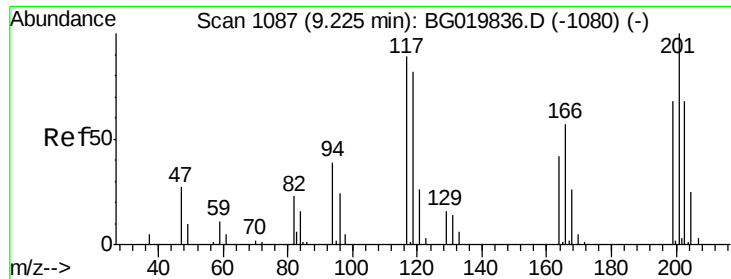
Tgt Ion: 45 Resp: 66884  
Ion Ratio Lower Upper  
45 100  
77 13.9 0.0 37.0  
79 12.6 0.0 33.8



#17  
2-Methylphenol  
Concen: 37.89 ng  
RT: 8.55 min Scan# 972  
Delta R.T. -0.02 min  
Lab File: BG020010.D  
Acq: 8 Dec 2015 9:55

Tgt Ion: 107 Resp: 45198  
Ion Ratio Lower Upper  
107 100  
108 108.5 86.5 129.7  
77 54.5 34.6 51.8#  
79 50.6 32.3 48.5#

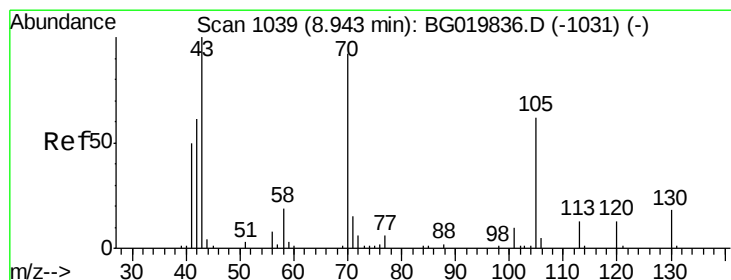
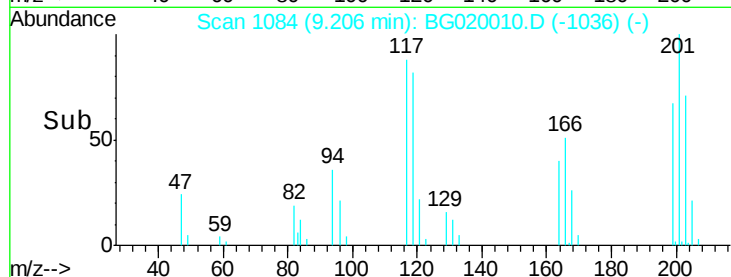
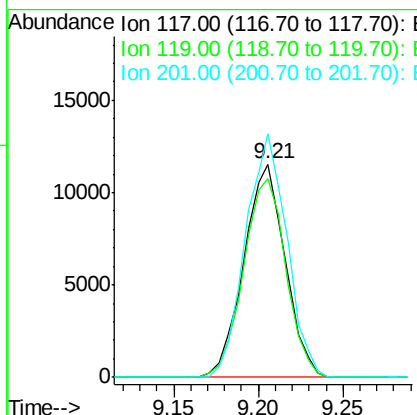
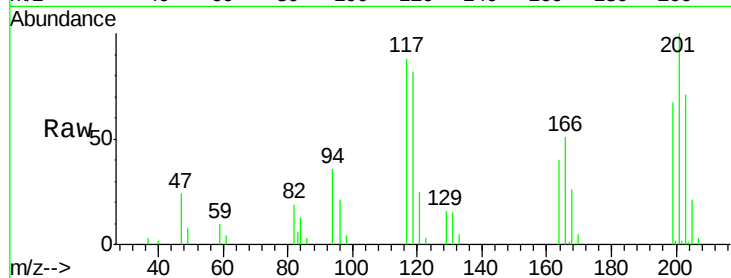




#18  
 Hexachloroethane  
 Concen: 34.42 ng  
 RT: 9.21 min Scan# 1084  
 Delta R.T. -0.02 min  
 Lab File: BG020010.D  
 Acq: 8 Dec 2015 9:55

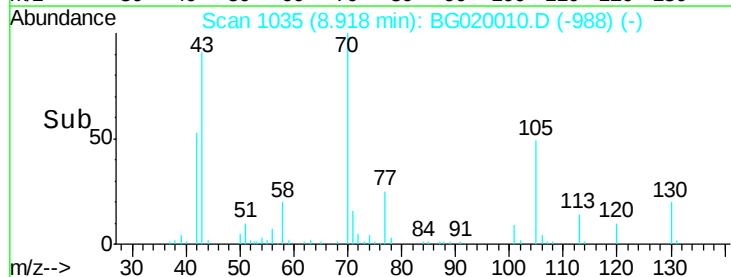
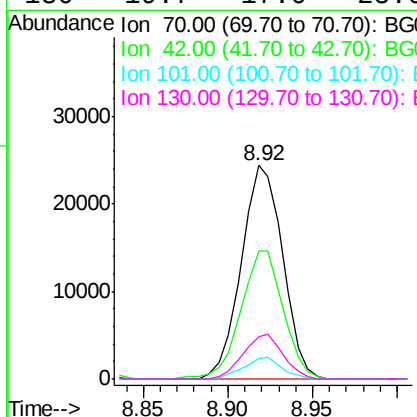
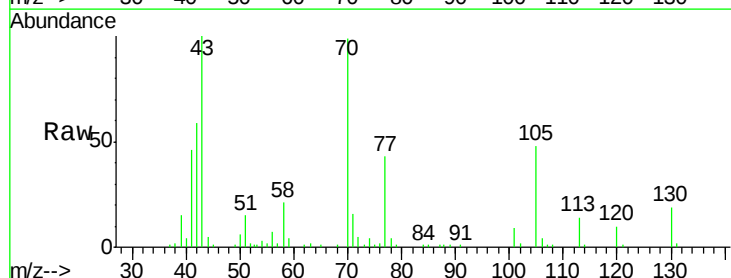
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP3516DL 5X

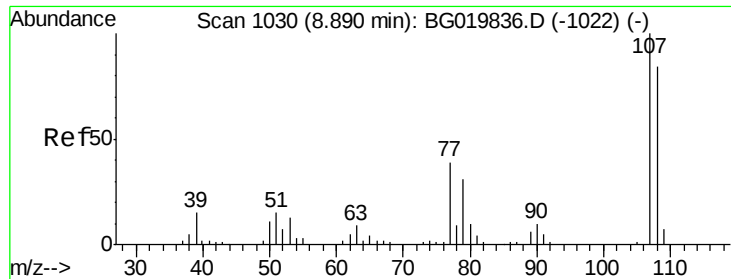
Tgt Ion: 117 Resp: 19561  
 Ion Ratio Lower Upper  
 117 100  
 119 93.1 71.7 107.5  
 201 117.0 90.9 136.3



#19  
 n-Nitroso-di-n-propylamine  
 Concen: 32.81 ng  
 RT: 8.92 min Scan# 1035  
 Delta R.T. -0.02 min  
 Lab File: BG020010.D  
 Acq: 8 Dec 2015 9:55

Tgt Ion: 70 Resp: 41541  
 Ion Ratio Lower Upper  
 70 100  
 42 59.9 40.6 60.8  
 101 9.4 8.6 13.0  
 130 19.7 17.0 25.6

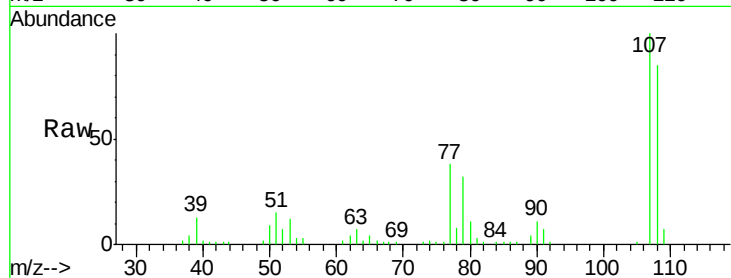




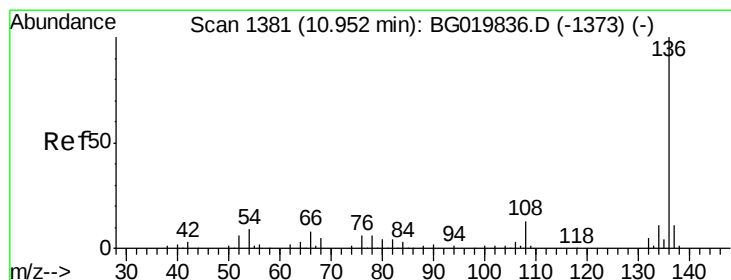
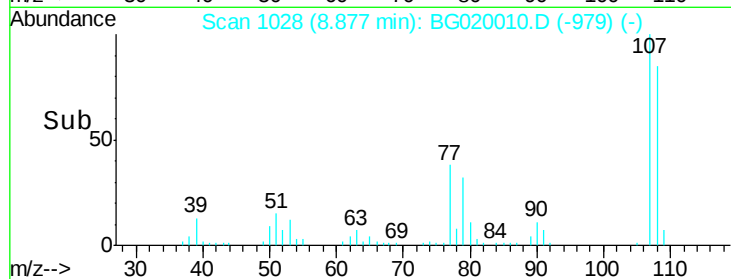
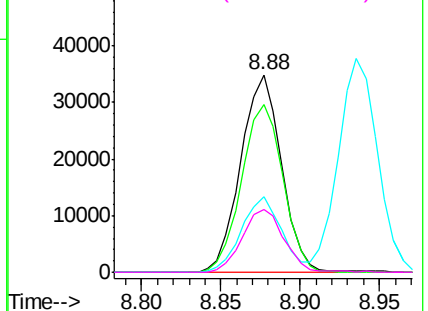
#20  
3+4-Methylphenols  
Concen: 37.13 ng  
RT: 8.88 min Scan# 1028  
Delta R.T. -0.01 min  
Lab File: BG020010.D  
Acq: 8 Dec 2015 9:55

Instrument :  
BNA\_F  
ClientSampleId :  
SP3516DL 5X

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 62365 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 108      | 85.0  | 72.2  | 112.2 |
| 77       | 38.4  | 13.4  | 53.4  |
| 79       | 31.6  | 7.2   | 47.2  |

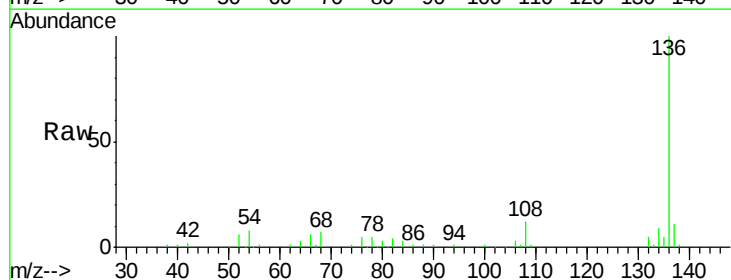


Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 77.00 (76.70 to 77.70): BGC  
Ion 79.00 (78.70 to 79.70): BGC

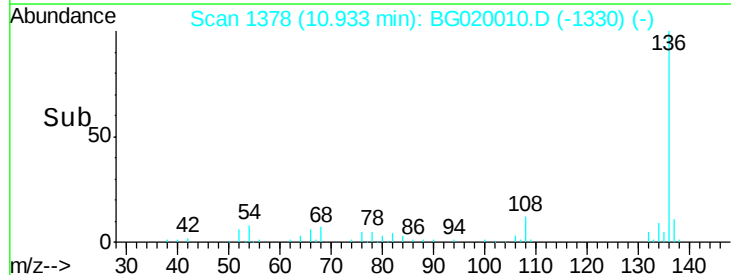
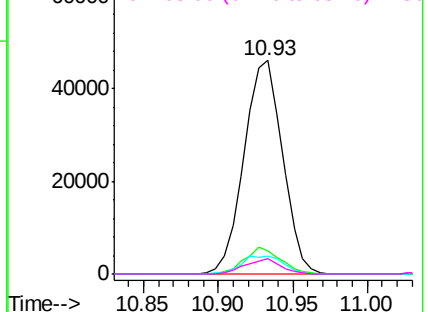


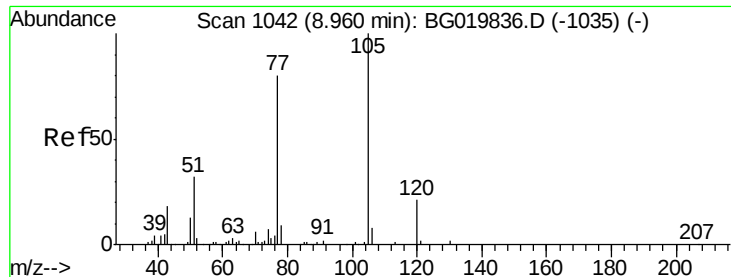
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.93 min Scan# 1378  
Delta R.T. -0.02 min  
Lab File: BG020010.D  
Acq: 8 Dec 2015 9:55

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 82102 |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 11.0  | 8.6   | 12.8  |
| 54       | 8.7   | 5.4   | 8.2#  |
| 68       | 6.9   | 5.3   | 7.9   |



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

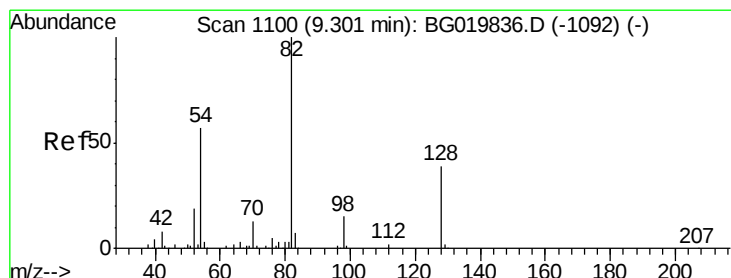
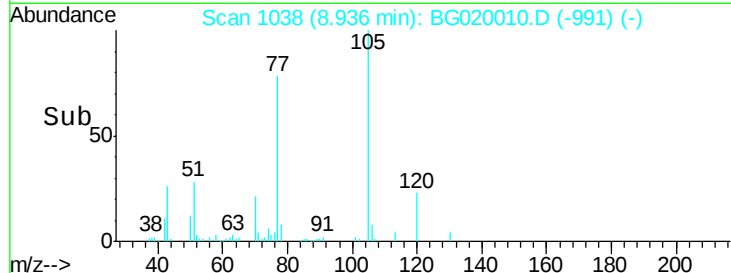
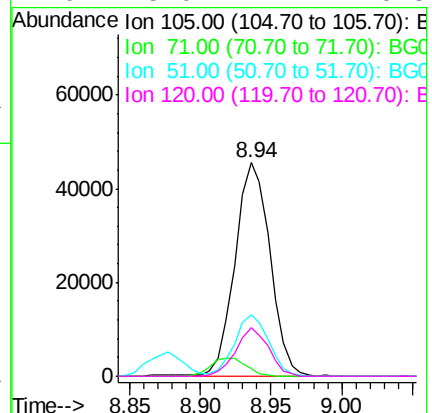
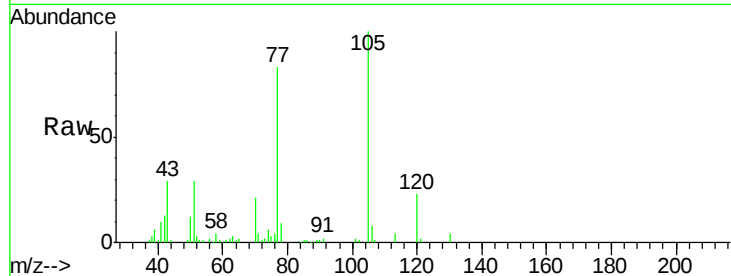




#22  
Acetophenone  
Concen: 35.07 ng  
RT: 8.94 min Scan# 1038  
Delta R.T. -0.02 min  
Lab File: BG020010.D  
Acq: 8 Dec 2015 9:55

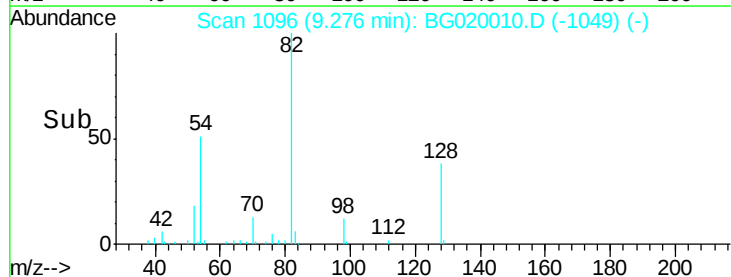
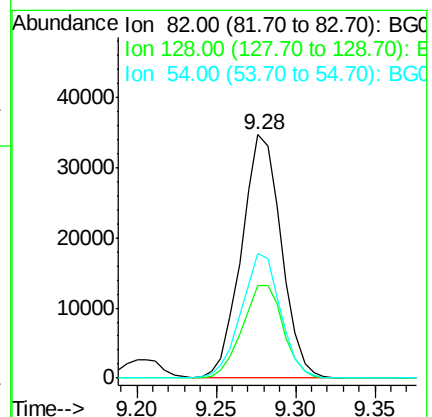
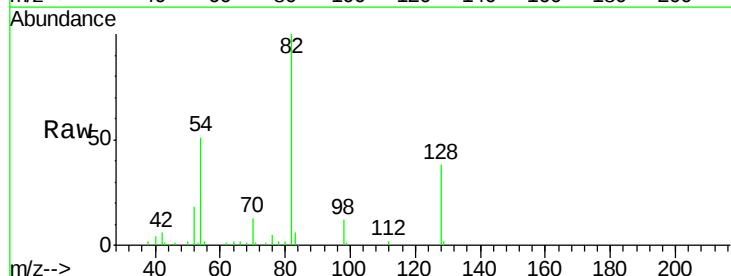
Instrument :  
BNA\_F  
ClientSampleId :  
SP3516DL 5X

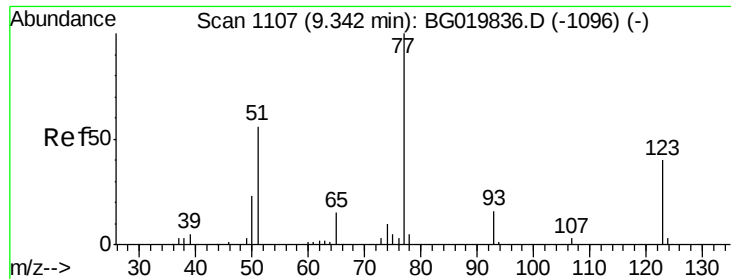
Tgt Ion: 105 Resp: 78924  
Ion Ratio Lower Upper  
105 100  
71 3.7 2.1 3.1#  
51 28.7 17.8 26.8#  
120 23.0 17.7 26.5



#23  
Nitrobenzene-d5  
Concen: 37.68 ng  
RT: 9.28 min Scan# 1096  
Delta R.T. -0.02 min  
Lab File: BG020010.D  
Acq: 8 Dec 2015 9:55

Tgt Ion: 82 Resp: 60624  
Ion Ratio Lower Upper  
82 100  
128 38.1 36.7 55.1  
54 51.0 33.8 50.8#

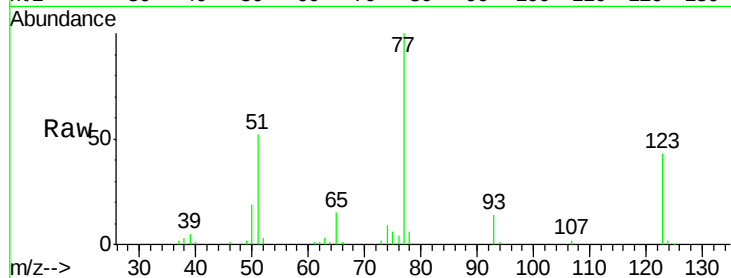




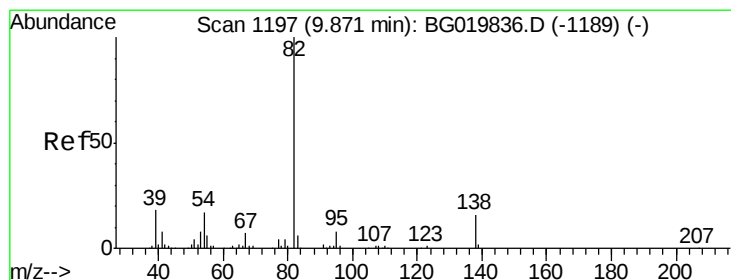
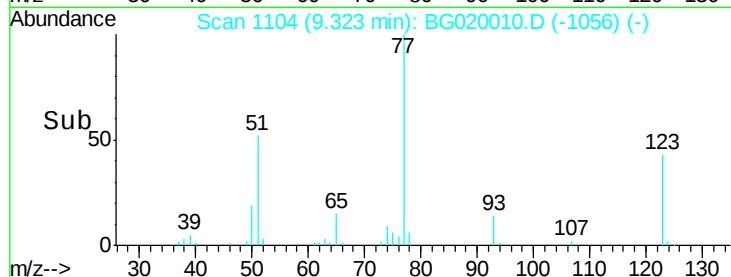
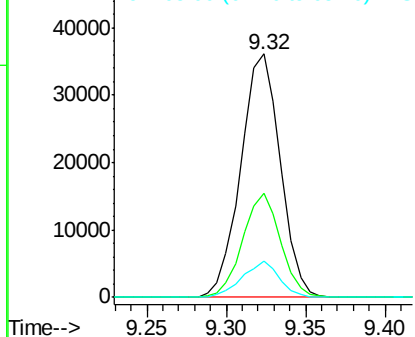
#24  
 Nitrobenzene  
 Concen: 35.84 ng  
 RT: 9.32 min Scan# 1104  
 Delta R.T. -0.02 min  
 Lab File: BG020010.D  
 Acq: 8 Dec 2015 9:55

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP3516DL 5X

Tgt Ion: 77 Resp: 62534  
 Ion Ratio Lower Upper  
 77 100  
 123 42.9 38.2 57.2  
 65 15.0 10.6 16.0

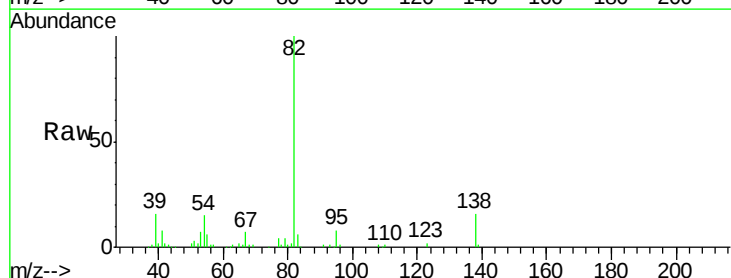


Abundance Ion 77.00 (76.70 to 77.70): BGC  
 Ion 123.00 (122.70 to 123.70): BGC  
 Ion 65.00 (64.70 to 65.70): BGC

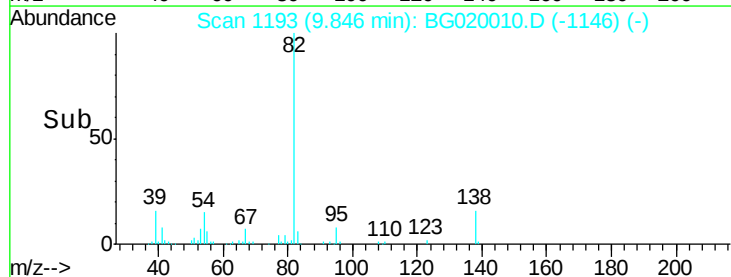
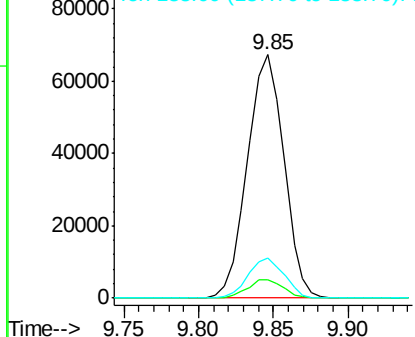


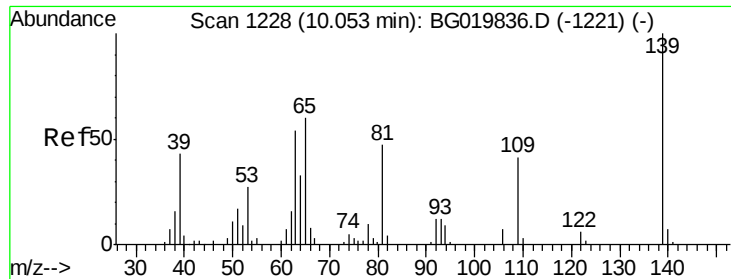
#25  
 Isophorone  
 Concen: 33.03 ng  
 RT: 9.85 min Scan# 1193  
 Delta R.T. -0.02 min  
 Lab File: BG020010.D  
 Acq: 8 Dec 2015 9:55

Tgt Ion: 82 Resp: 113933  
 Ion Ratio Lower Upper  
 82 100  
 95 7.8 5.2 7.8  
 138 16.3 14.4 21.6



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

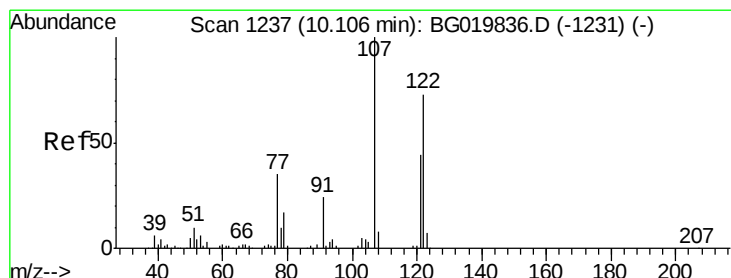
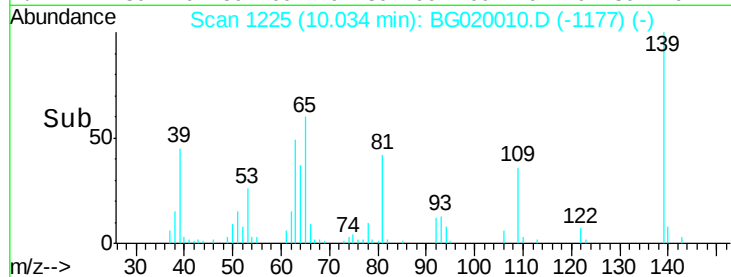
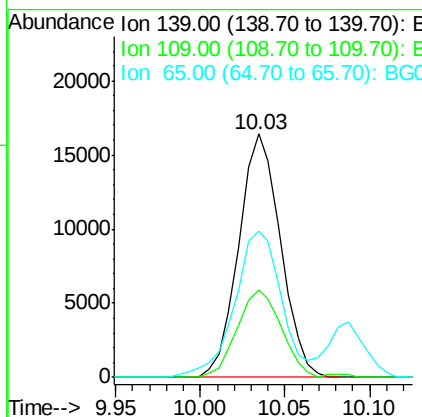
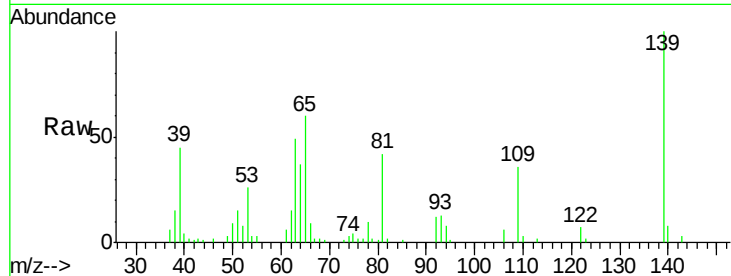




#26  
 2-Nitrophenol  
 Concen: 41.87 ng  
 RT: 10.03 min Scan# 1225  
 Delta R.T. -0.02 min  
 Lab File: BG020010.D  
 Acq: 8 Dec 2015 9:55

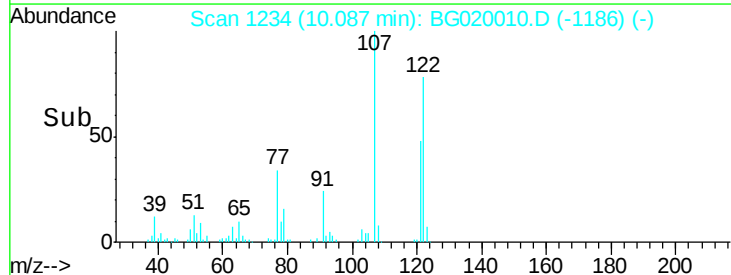
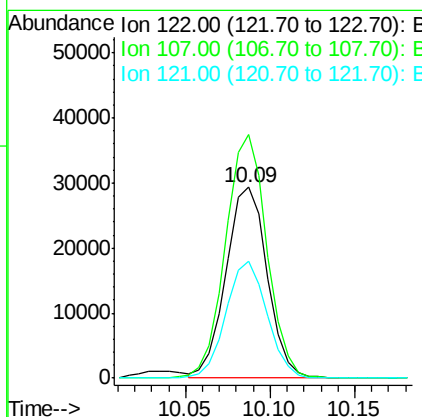
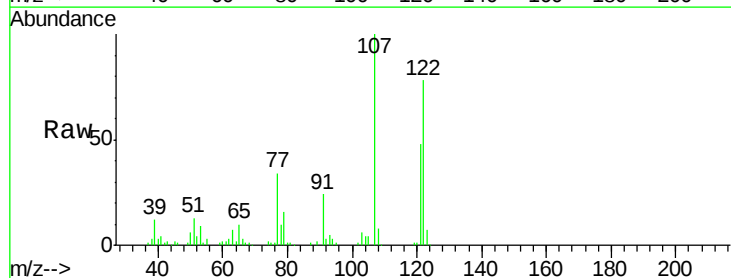
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP3516DL 5X

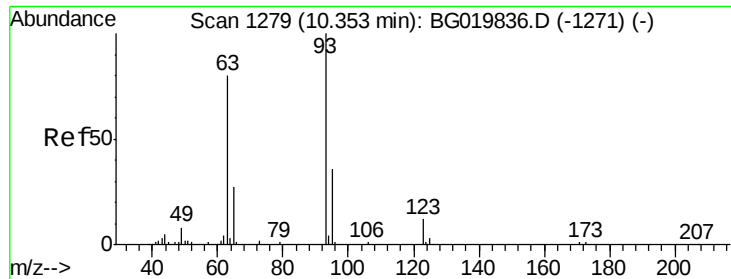
Tgt Ion:139 Resp: 28216  
 Ion Ratio Lower Upper  
 139 100  
 109 35.7 20.1 30.1#  
 65 60.4 34.1 51.1#



#27  
 2,4-Dimethylphenol  
 Concen: 35.47 ng  
 RT: 10.09 min Scan# 1234  
 Delta R.T. -0.02 min  
 Lab File: BG020010.D  
 Acq: 8 Dec 2015 9:55

Tgt Ion:122 Resp: 49782  
 Ion Ratio Lower Upper  
 122 100  
 107 127.4 91.6 137.4  
 121 61.0 47.3 70.9

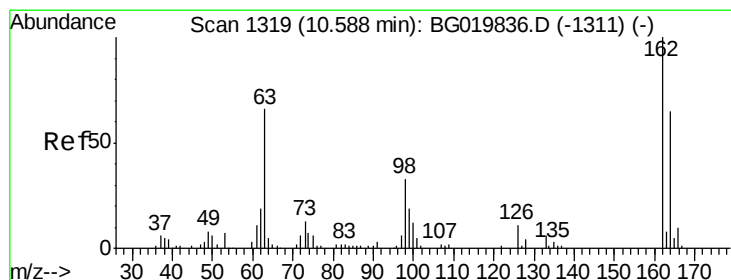
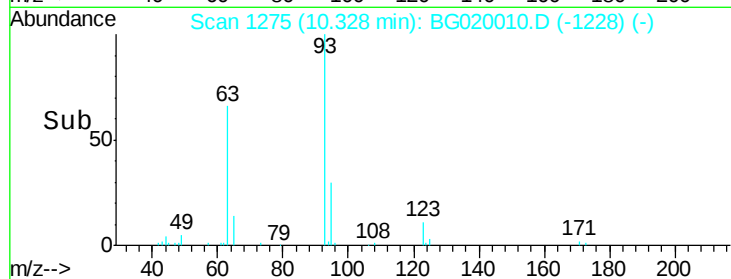
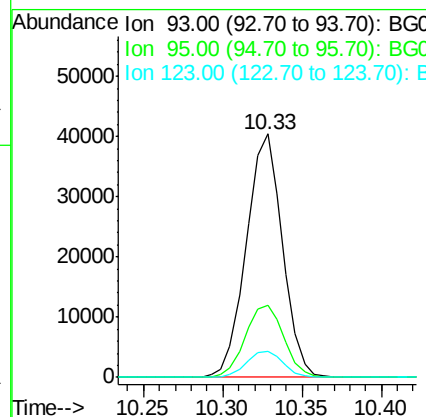
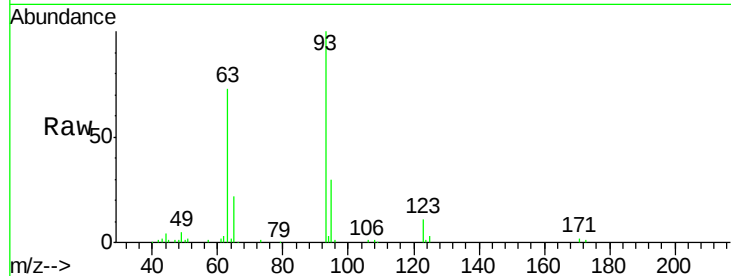




#28  
 bis(2-Chloroethoxy)methane  
 Concen: 37.87 ng  
 RT: 10.33 min Scan# 1275  
 Delta R.T. -0.02 min  
 Lab File: BG020010.D  
 Acq: 8 Dec 2015 9:55

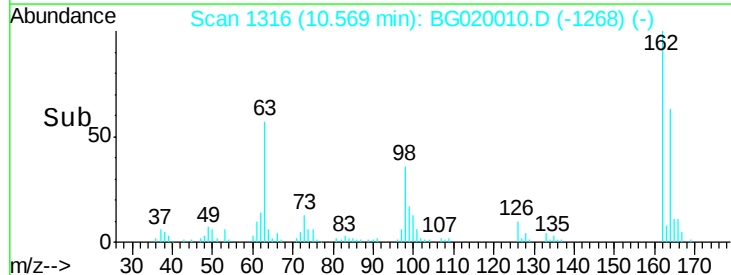
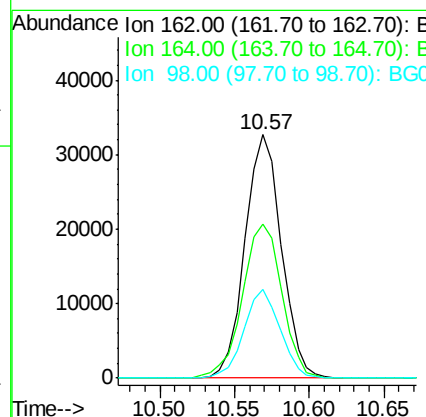
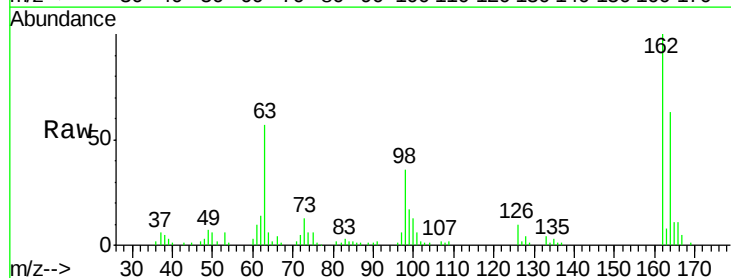
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP3516DL 5X

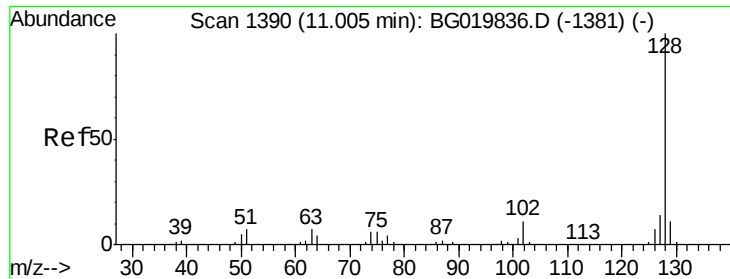
Tgt Ion: 93 Resp: 63824  
 Ion Ratio Lower Upper  
 93 100  
 95 29.8 25.7 38.5  
 123 10.7 8.6 12.8



#29  
 2,4-Dichlorophenol  
 Concen: 38.44 ng  
 RT: 10.57 min Scan# 1316  
 Delta R.T. -0.02 min  
 Lab File: BG020010.D  
 Acq: 8 Dec 2015 9:55

Tgt Ion: 162 Resp: 55109  
 Ion Ratio Lower Upper  
 162 100  
 164 63.3 42.3 82.3  
 98 36.4 11.5 51.5





#31

Naphthalene

Concen: 35.96 ng

RT: 10.98 min Scan# 1386

Delta R.T. -0.02 min

Lab File: BG020010.D

Acq: 8 Dec 2015 9:55

Instrument :

BNA\_F

ClientSampleId :

SP3516DL 5X

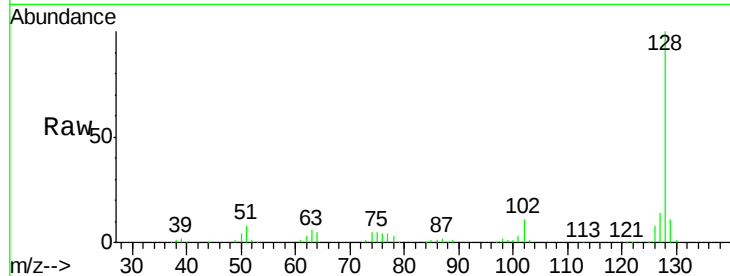
Tgt Ion:128 Resp: 158163

Ion Ratio Lower Upper

128 100

129 10.6 8.5 12.7

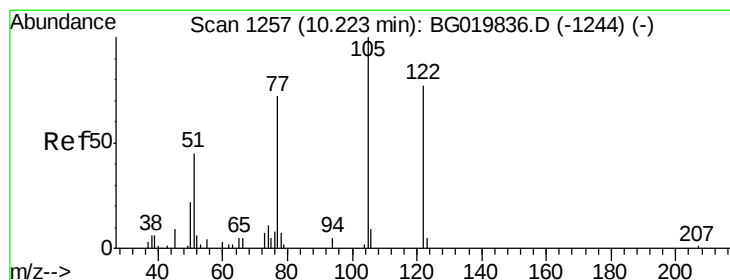
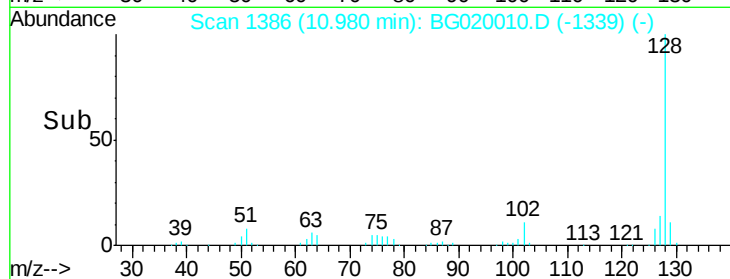
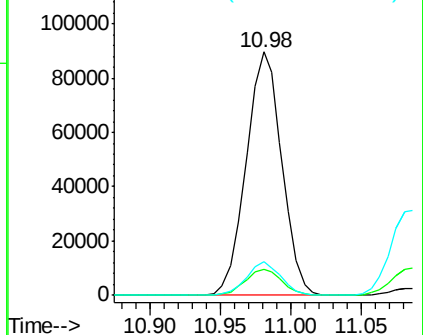
127 13.6 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 52.05 ng

RT: 10.09 min Scan# 1234

Delta R.T. -0.14 min

Lab File: BG020010.D

Acq: 8 Dec 2015 9:55

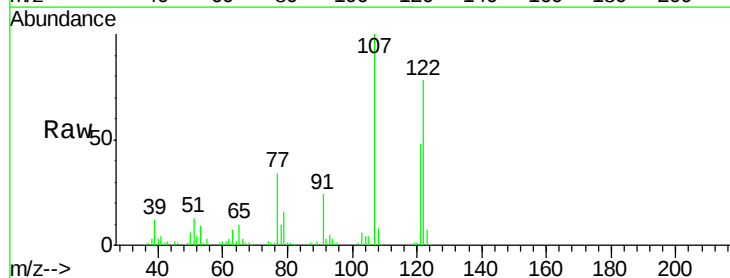
Tgt Ion:122 Resp: 49782

Ion Ratio Lower Upper

122 100

105 4.5 103.8 143.8#

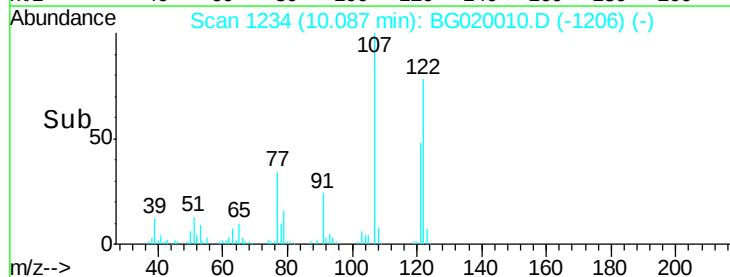
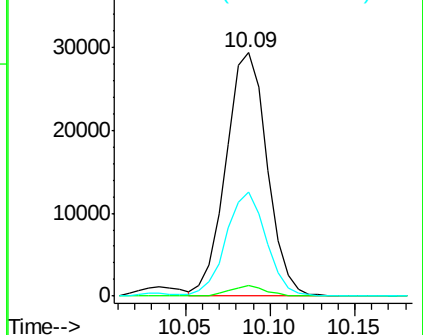
77 42.7 68.8 108.8#

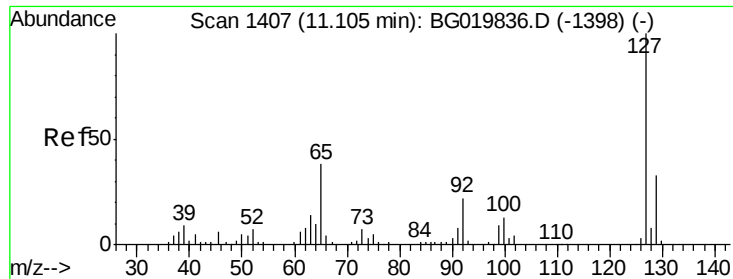


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BG

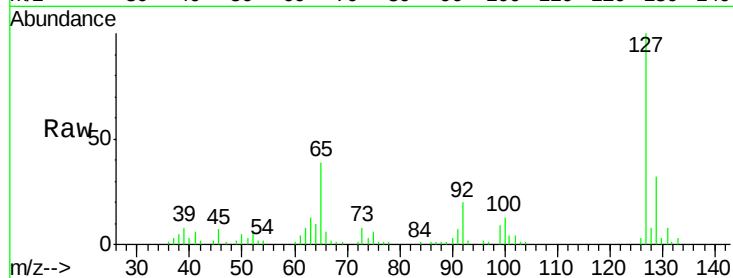




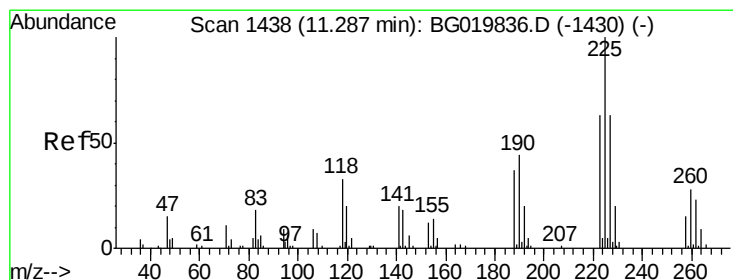
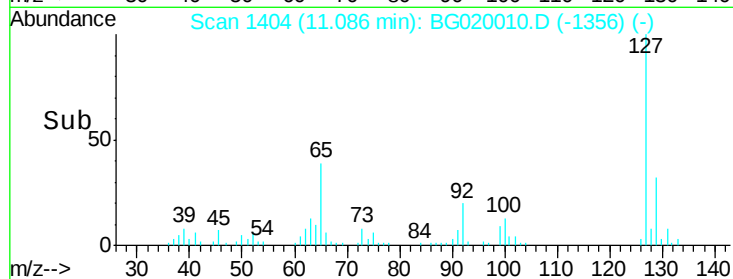
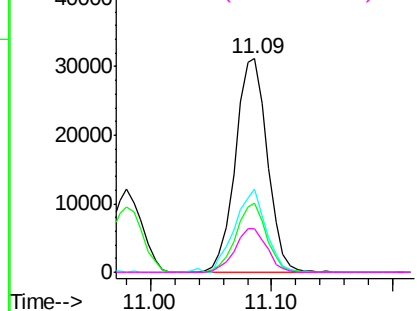
#33  
4-Chloroaniline  
Concen: 29.58 ng  
RT: 11.09 min Scan# 1404  
Delta R.T. -0.02 min  
Lab File: BG020010.D  
Acq: 8 Dec 2015 9:55

Instrument :  
BNA\_F  
ClientSampleId :  
SP3516DL 5X

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 127   | Resp: | 57322 |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 32.2  | 24.6  | 37.0  |
| 65       | 39.3  | 22.6  | 33.8# |
| 92       | 20.5  | 15.1  | 22.7  |

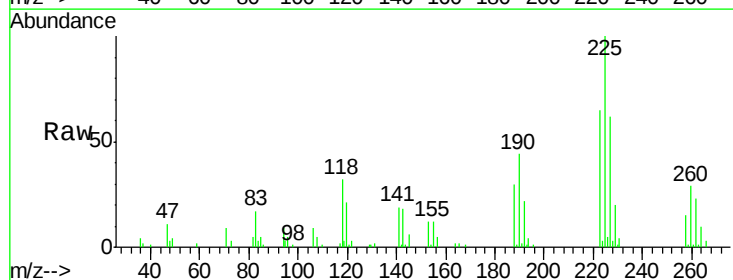


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BGC  
Ion 92.00 (91.70 to 92.70): BGC

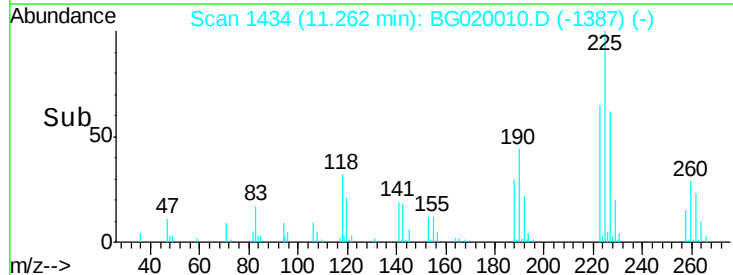
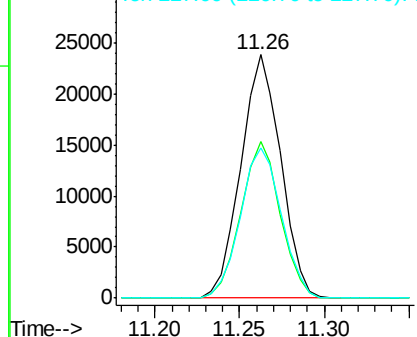


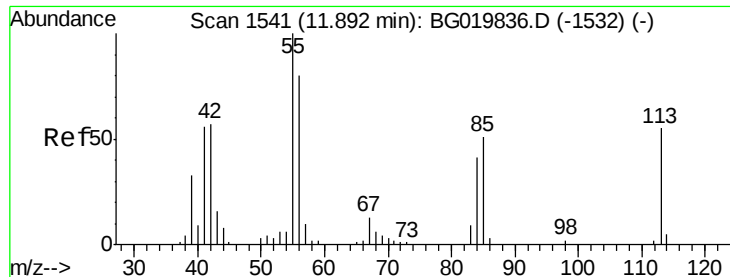
#34  
Hexachlorobutadiene  
Concen: 32.79 ng  
RT: 11.26 min Scan# 1434  
Delta R.T. -0.02 min  
Lab File: BG020010.D  
Acq: 8 Dec 2015 9:55

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 39194 |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 61.7  | 51.0  | 76.4  |
| 227      | 62.0  | 51.8  | 77.8  |



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





#35

Caprolactam

Concen: 34.18 ng

RT: 11.84 min Scan# 1533

Delta R.T. -0.05 min

Lab File: BG020010.D

Acq: 8 Dec 2015 9:55

Instrument :

BNA\_F

ClientSampleId :

SP3516DL 5X

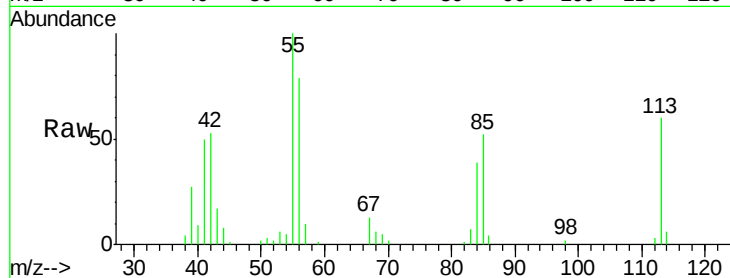
Tgt Ion:113 Resp: 18242

Ion Ratio Lower Upper

113 100

55 165.9 135.0 175.0

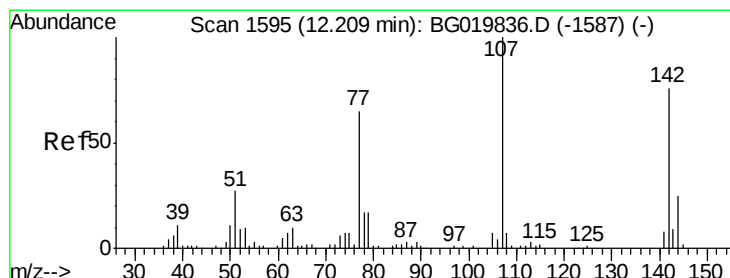
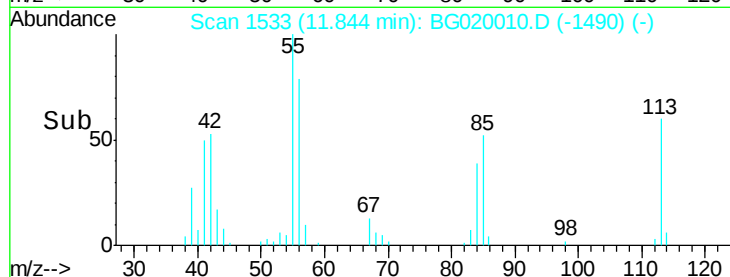
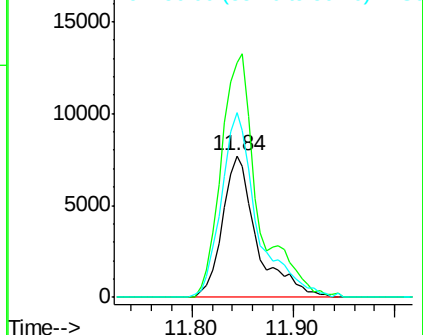
56 130.6 83.4 123.4#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC



#36

4-Chloro-3-methylphenol

Concen: 34.37 ng

RT: 12.19 min Scan# 1592

Delta R.T. -0.02 min

Lab File: BG020010.D

Acq: 8 Dec 2015 9:55

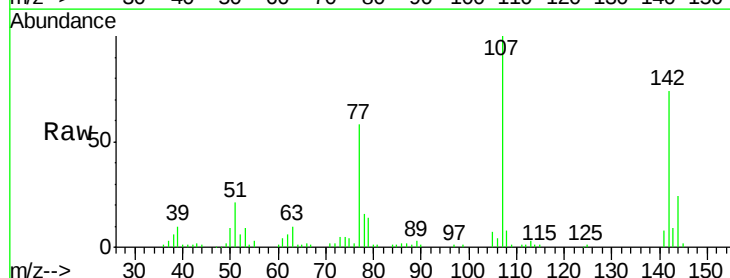
Tgt Ion:107 Resp: 61368

Ion Ratio Lower Upper

107 100

144 23.8 20.6 31.0

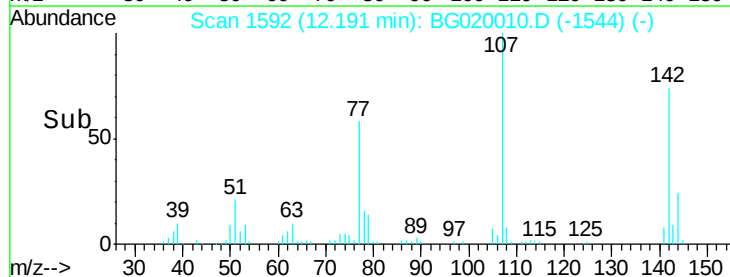
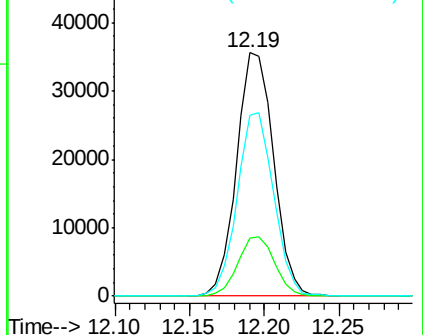
142 74.4 62.6 93.8

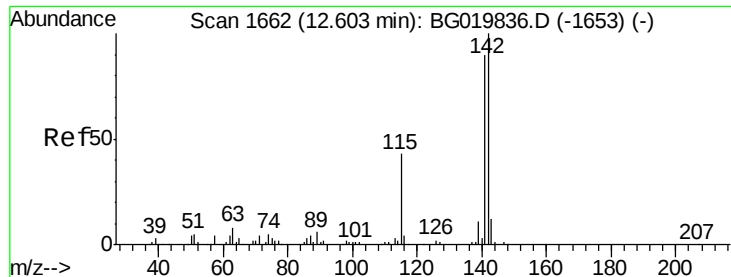


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

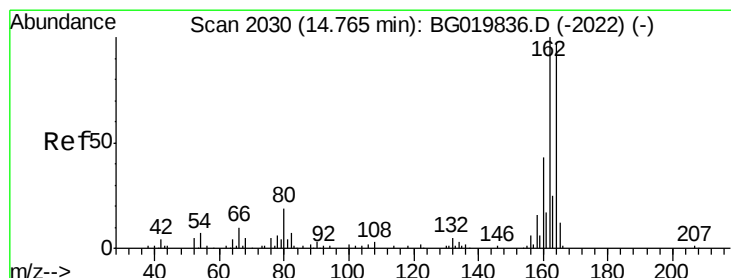
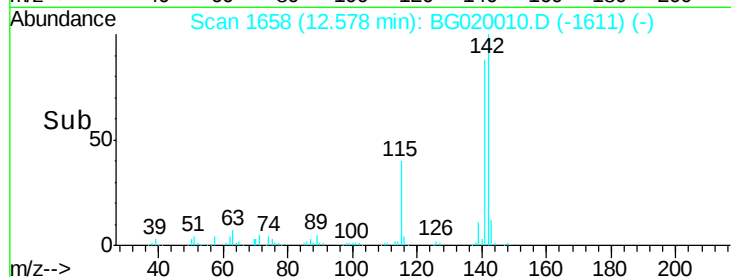
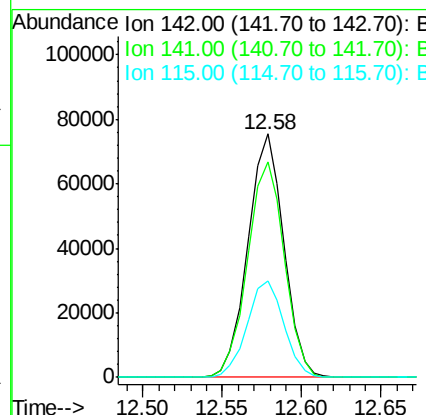
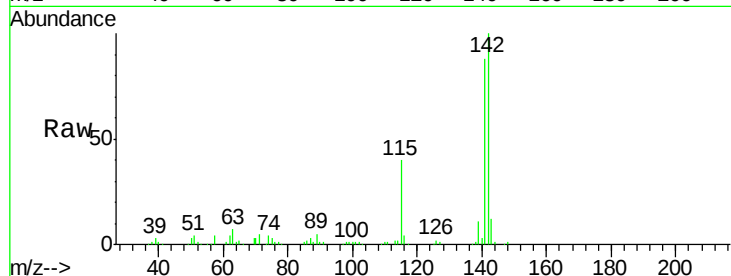




#37  
2-Methylnaphthalene  
Concen: 36.79 ng  
RT: 12.58 min Scan# 1658  
Delta R.T. -0.02 min  
Lab File: BG020010.D  
Acq: 8 Dec 2015 9:55

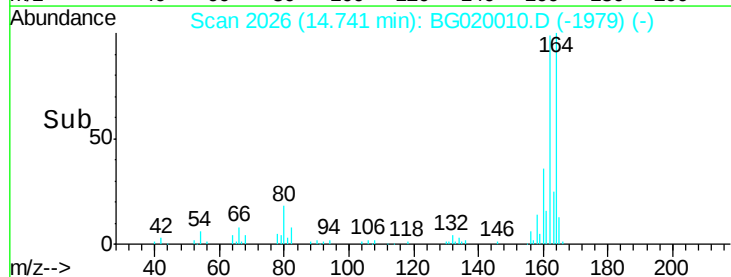
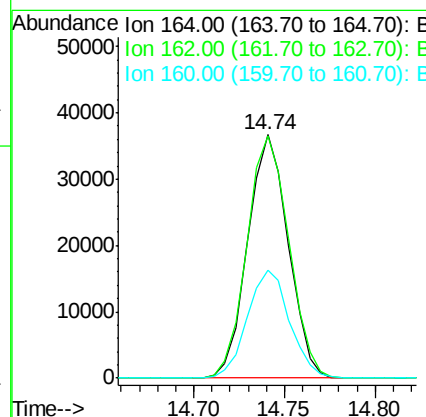
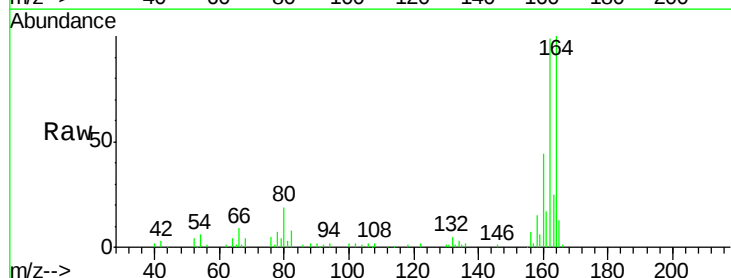
Instrument :  
BNA\_F  
ClientSampleId :  
SP3516DL 5X

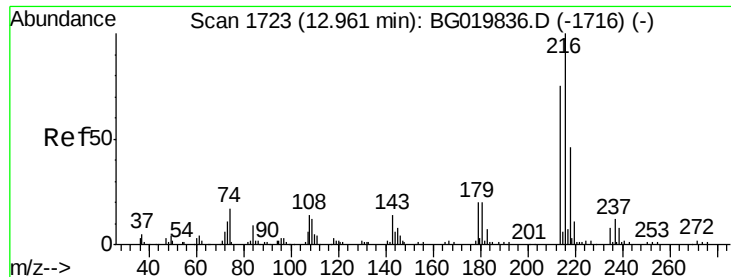
Tgt Ion:142 Resp: 118577  
Ion Ratio Lower Upper  
142 100  
141 88.3 74.6 112.0  
115 39.6 27.4 41.0



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.74 min Scan# 2026  
Delta R.T. -0.02 min  
Lab File: BG020010.D  
Acq: 8 Dec 2015 9:55

Tgt Ion:164 Resp: 56833  
Ion Ratio Lower Upper  
164 100  
162 99.3 78.8 118.2  
160 44.3 36.4 54.6





#39

1,2,4,5-Tetrachlorobenzene

Concen: 35.86 ng

RT: 12.94 min Scan# 1720

Delta R.T. -0.02 min

Lab File: BG020010.D

Acq: 8 Dec 2015 9:55

Instrument :

BNA\_F

ClientSampleId :

SP3516DL 5X

Tgt Ion:216 Resp: 77329

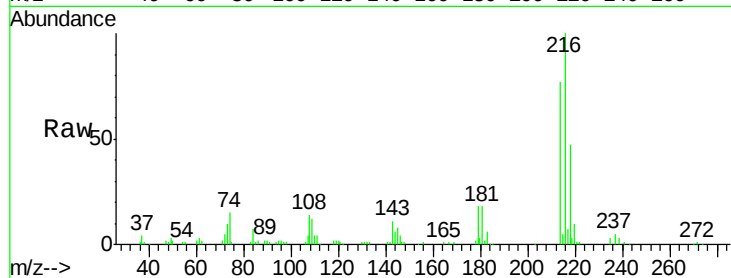
Ion Ratio Lower Upper

216 100

214 79.8 62.5 93.7

179 19.4 15.6 23.4

108 15.8 13.3 19.9

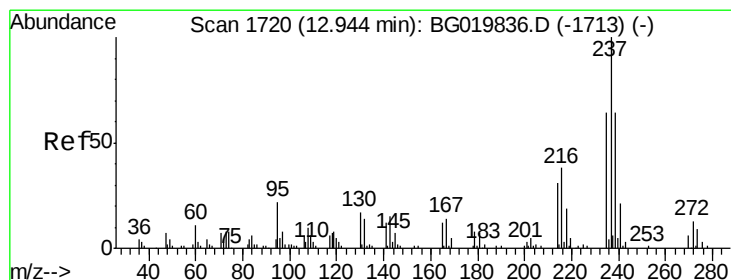
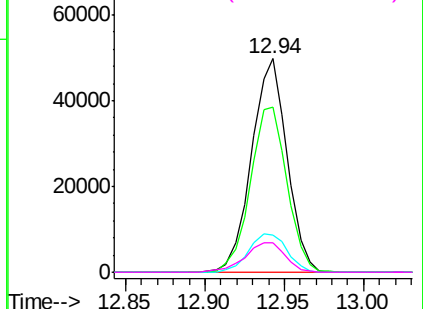
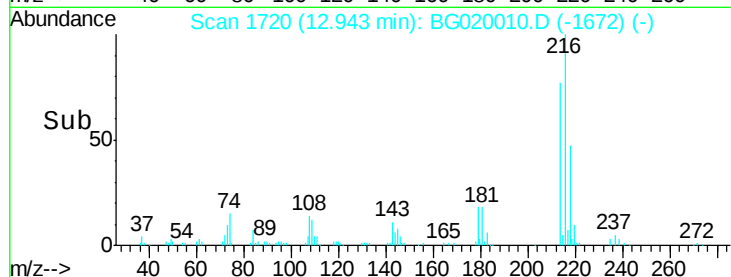


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 31.64 ng

RT: 12.92 min Scan# 1716

Delta R.T. -0.02 min

Lab File: BG020010.D

Acq: 8 Dec 2015 9:55

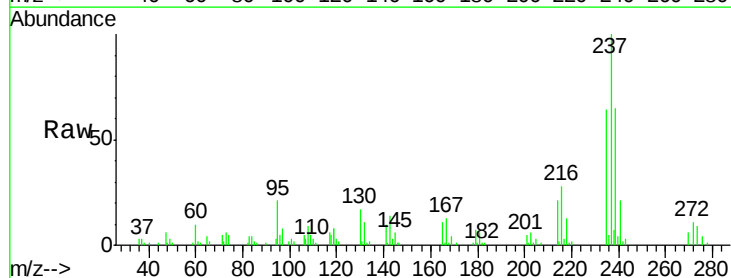
Tgt Ion:237 Resp: 38908

Ion Ratio Lower Upper

237 100

235 64.4 44.6 84.6

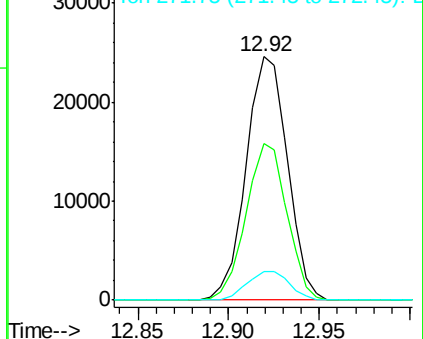
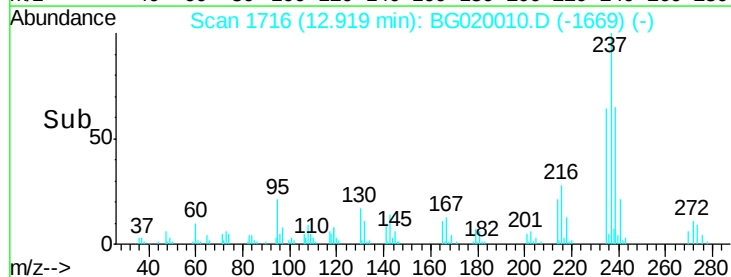
272 11.5 0.0 32.8

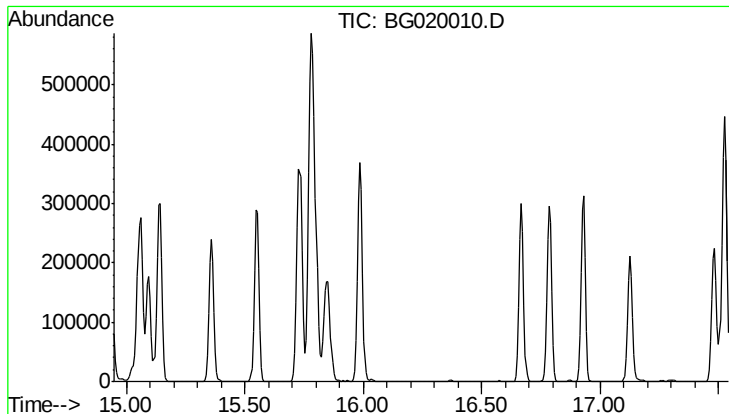


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

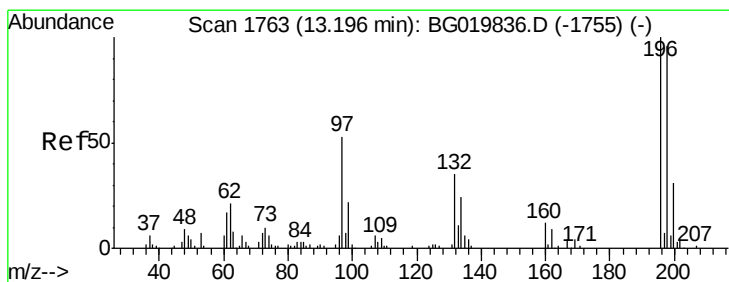
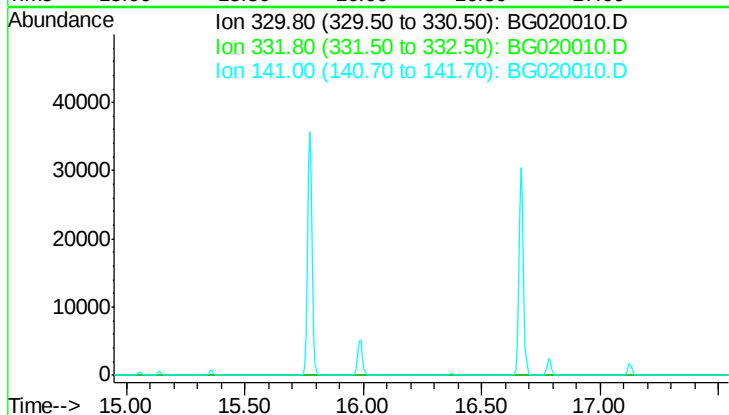




#41  
 2,4,6-Tribromophenol  
 Concen: 0.00 ng  
 Expected RT: 16.25 min  
 Lab File: BG020010.D  
 Acq: 8 Dec 2015 9:55

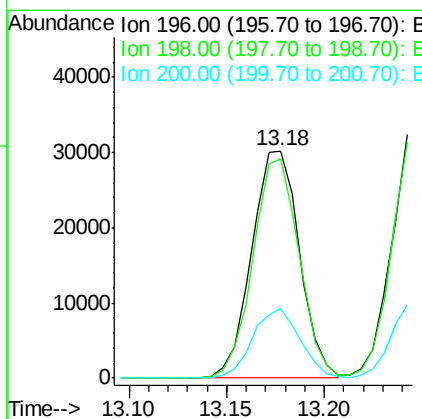
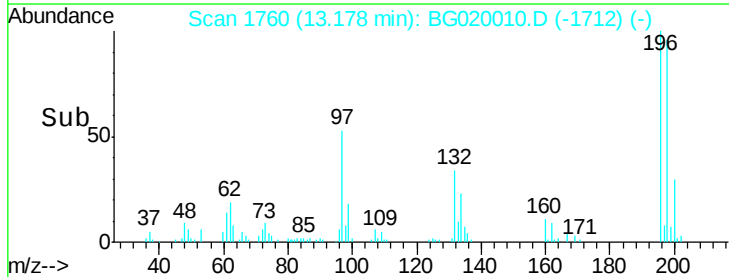
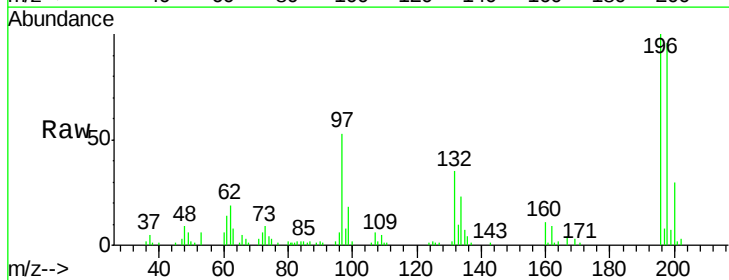
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP3516DL 5X

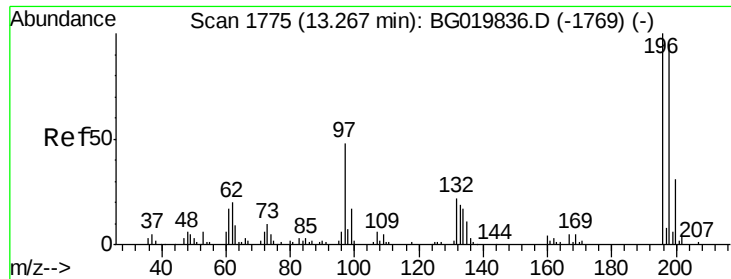
Tgt Ion: 330  
 Sig Exp Ratio  
 330 100  
 332 97.6  
 141 35.2



#42  
 2,4,6-Trichlorophenol  
 Concen: 35.66 ng  
 RT: 13.18 min Scan# 1760  
 Delta R.T. -0.02 min  
 Lab File: BG020010.D  
 Acq: 8 Dec 2015 9:55

Tgt Ion: 196 Resp: 50915  
 Ion Ratio Lower Upper  
 196 100  
 198 96.4 74.7 112.1  
 200 30.4 24.1 36.1

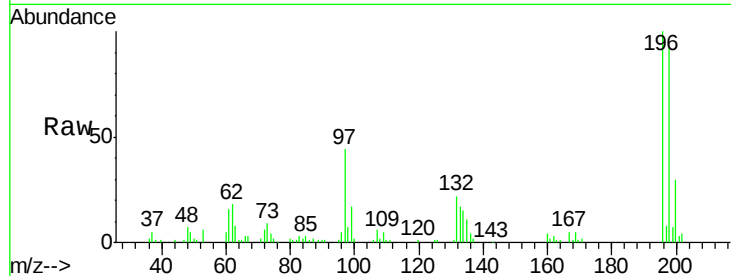




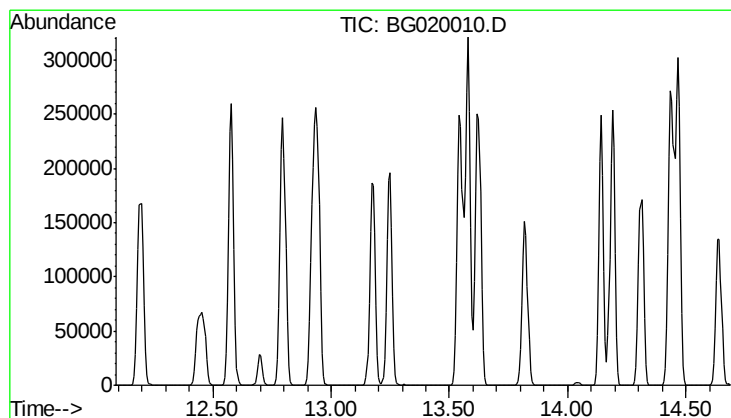
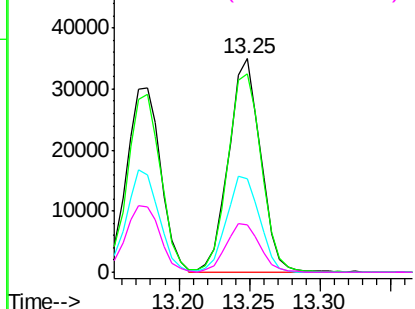
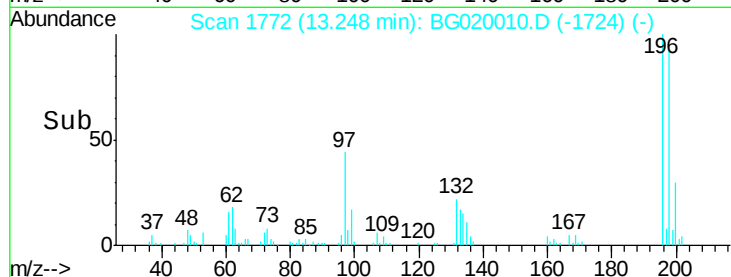
#43  
 2,4,5-Trichlorophenol  
 Concen: 36.81 ng  
 RT: 13.25 min Scan# 1772  
 Delta R.T. -0.02 min  
 Lab File: BG020010.D  
 Acq: 8 Dec 2015 9:55

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP3516DL 5X

Tgt Ion:196 Resp: 55554  
 Ion Ratio Lower Upper  
 196 100  
 198 92.9 75.2 112.8  
 97 43.6 34.2 51.2  
 132 22.4 21.8 32.6



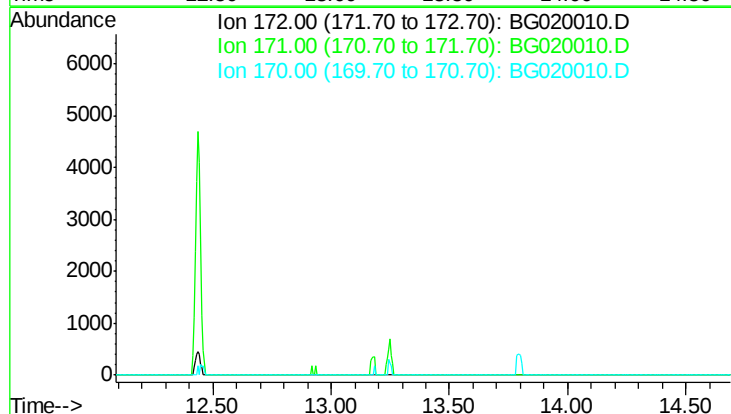
Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 97.00 (96.70 to 97.70): BG  
 Ion 132.00 (131.70 to 132.70): E

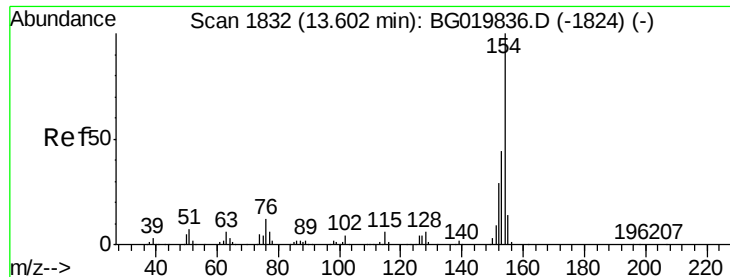


#44  
 2-Fluorobiphenyl  
 Concen: 0.00 ng  
 Expected RT: 13.39 min

Lab File: BG020010.D  
 Acq: 8 Dec 2015 9:55

Tgt Ion: 172  
 Sig Exp Ratio  
 172 100  
 171 36.3  
 170 24.9

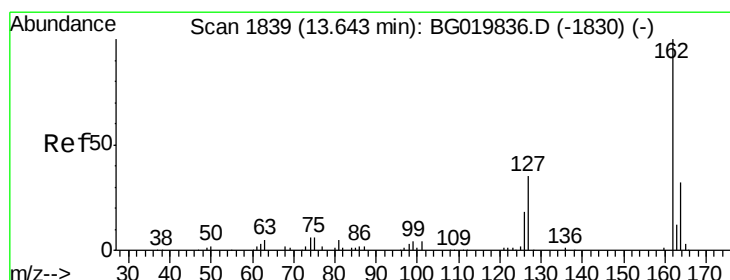
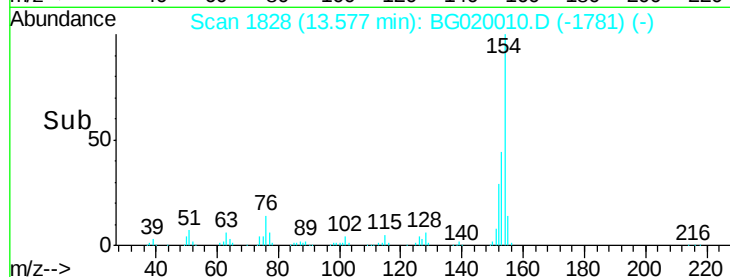
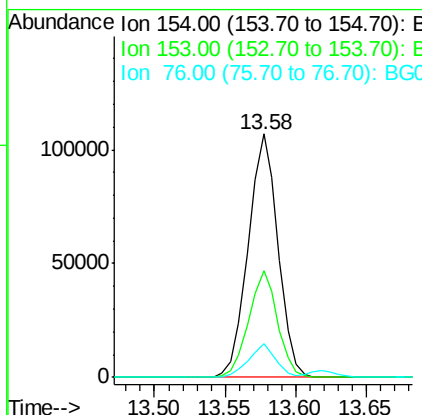
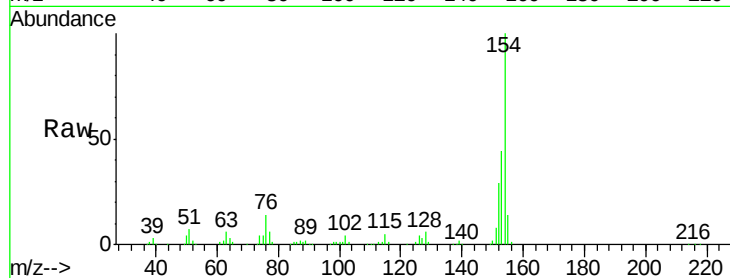




#45  
 1,1'-Biphenyl  
 Concen: 33.91 ng  
 RT: 13.58 min Scan# 1828  
 Delta R.T. -0.02 min  
 Lab File: BG020010.D  
 Acq: 8 Dec 2015 9:55

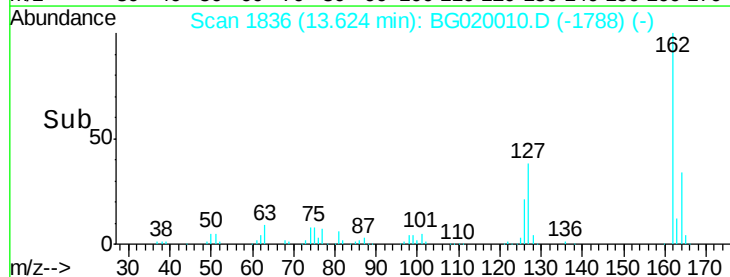
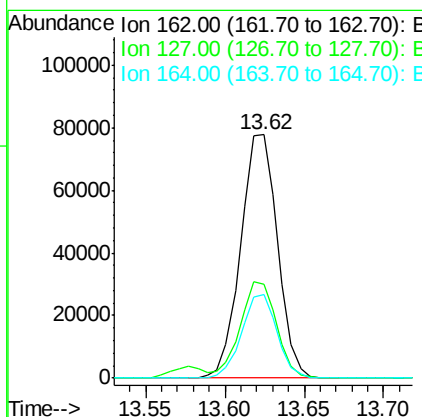
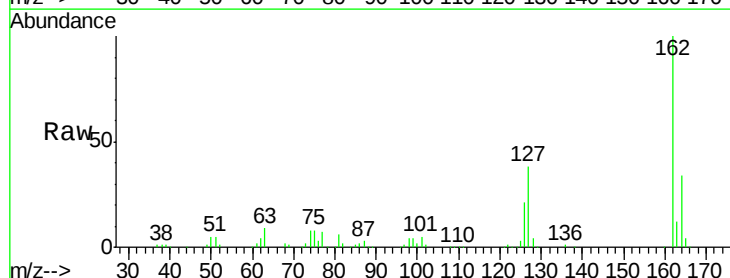
Instrument :  
 BNA\_F  
 ClientSampled :  
 SP3516DL 5X

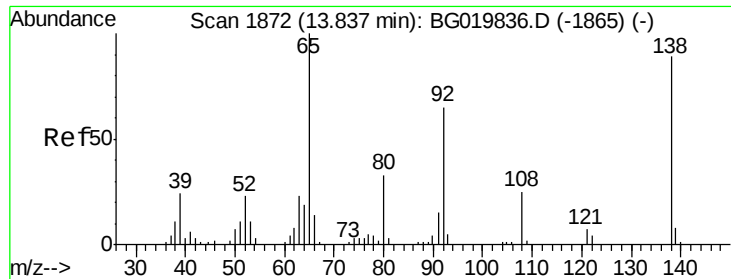
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 43.8  | 21.9  | 61.9  |
| 76      | 13.7  | 0.0   | 33.2  |



#46  
 2-Chloronaphthalene  
 Concen: 34.87 ng  
 RT: 13.62 min Scan# 1836  
 Delta R.T. -0.02 min  
 Lab File: BG020010.D  
 Acq: 8 Dec 2015 9:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 38.4  | 28.3  | 42.5  |
| 164     | 34.5  | 27.4  | 41.0  |

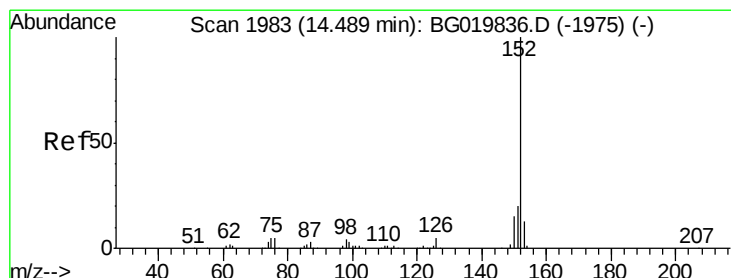
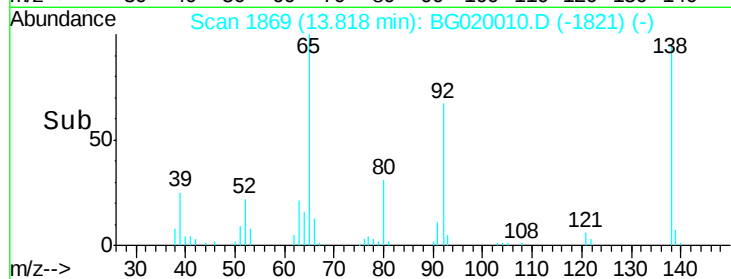
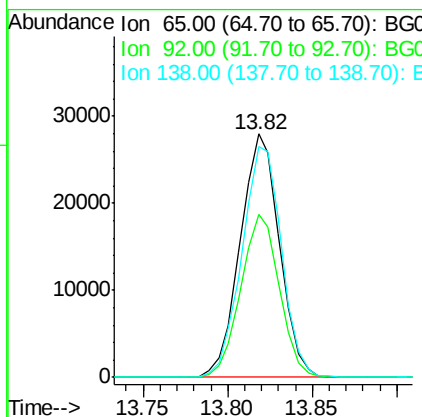
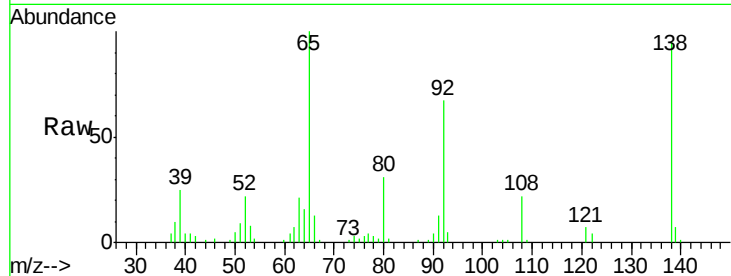




#47  
2-Nitroaniline  
Concen: 39.67 ng  
RT: 13.82 min Scan# 1869  
Delta R.T. -0.02 min  
Lab File: BG020010.D  
Acq: 8 Dec 2015 9:55

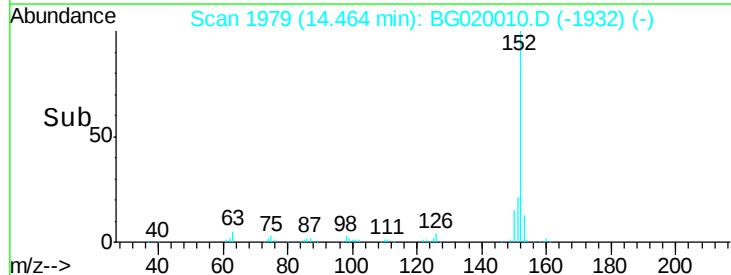
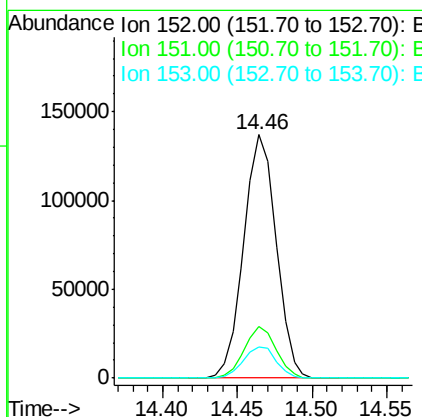
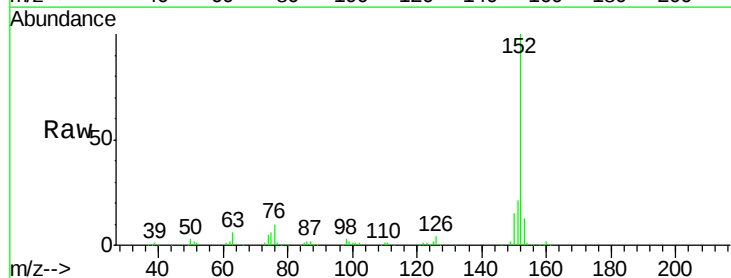
Instrument :  
BNA\_F  
ClientSampleId :  
SP3516DL 5X

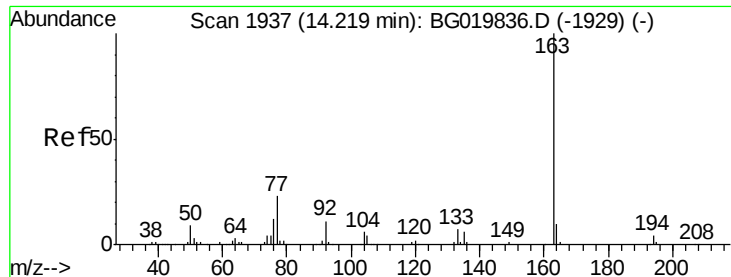
Tgt Ion: 65 Resp: 45042  
Ion Ratio Lower Upper  
65 100  
92 67.0 54.8 82.2  
138 94.7 89.6 134.4



#48  
Acenaphthylene  
Concen: 33.77 ng  
RT: 14.46 min Scan# 1979  
Delta R.T. -0.02 min  
Lab File: BG020010.D  
Acq: 8 Dec 2015 9:55

Tgt Ion: 152 Resp: 206772  
Ion Ratio Lower Upper  
152 100  
151 21.1 17.0 25.4  
153 12.7 10.4 15.6





#49

Dimethylphthalate

Concen: 31.94 ng

RT: 14.19 min Scan# 1932

Delta R.T. -0.03 min

Lab File: BG020010.D

Acq: 8 Dec 2015 9:55

Instrument :

BNA\_F

ClientSampleId :

SP3516DL 5X

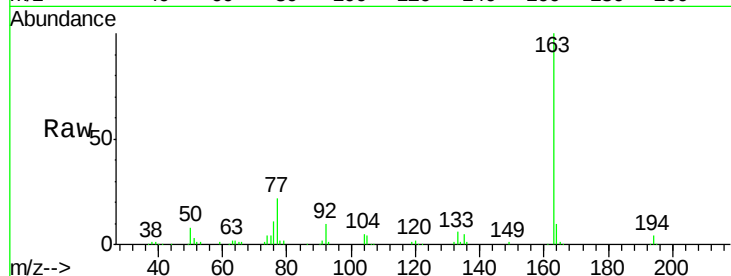
Tgt Ion:163 Resp: 163306

Ion Ratio Lower Upper

163 100

194 4.4 3.1 4.7

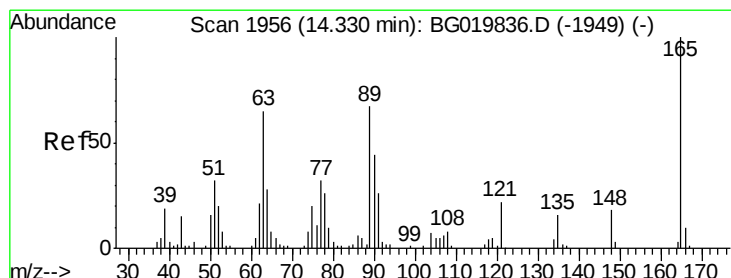
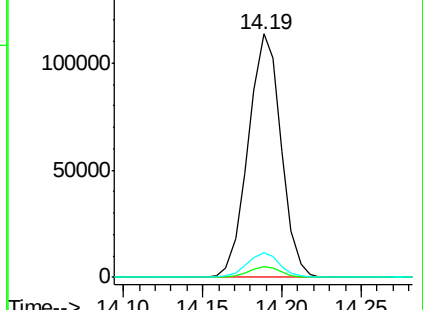
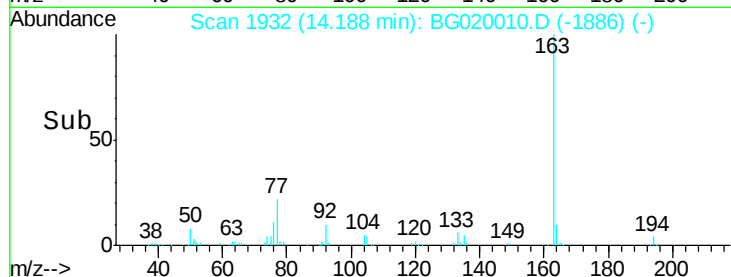
164 10.0 8.8 13.2



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



#50

2,6-Dinitrotoluene

Concen: 36.38 ng

RT: 14.31 min Scan# 1953

Delta R.T. -0.02 min

Lab File: BG020010.D

Acq: 8 Dec 2015 9:55

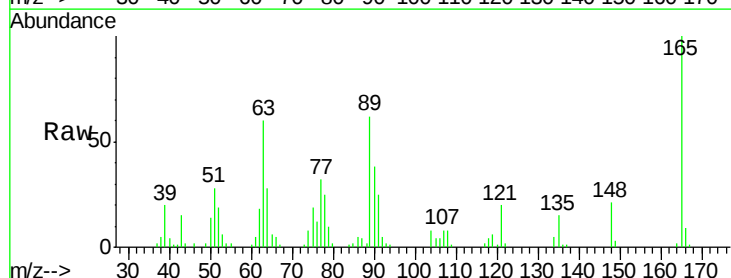
Tgt Ion:165 Resp: 34964

Ion Ratio Lower Upper

165 100

63 59.6 35.7 53.5#

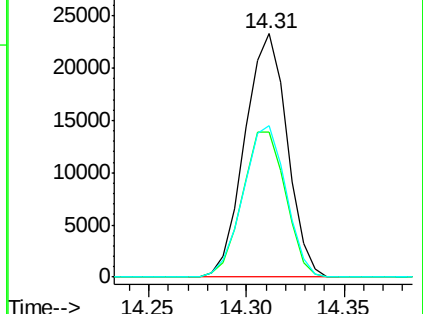
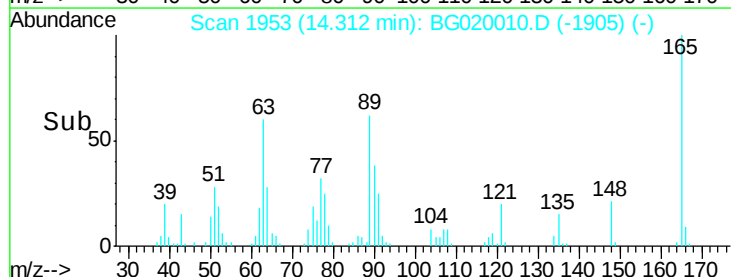
89 62.2 39.7 59.5#

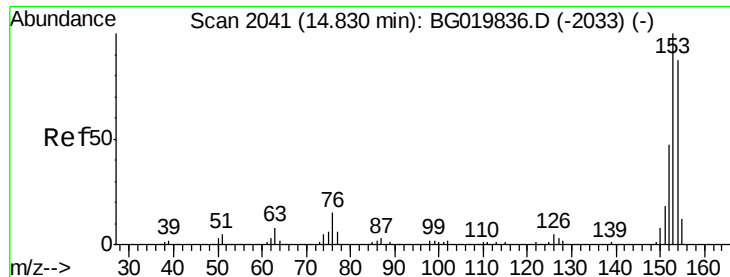


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#51

Acenaphthene

Concen: 34.51 ng

RT: 14.81 min Scan# 2037

Delta R.T. -0.02 min

Lab File: BG020010.D

Acq: 8 Dec 2015 9:55

Instrument :

BNA\_F

ClientSampleId :

SP3516DL 5X

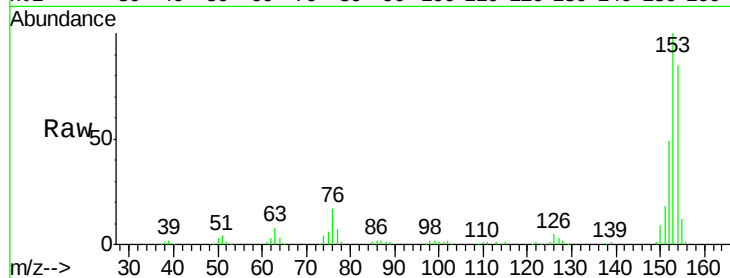
Tgt Ion:154 Resp: 128239

Ion Ratio Lower Upper

154 100

153 117.5 92.9 139.3

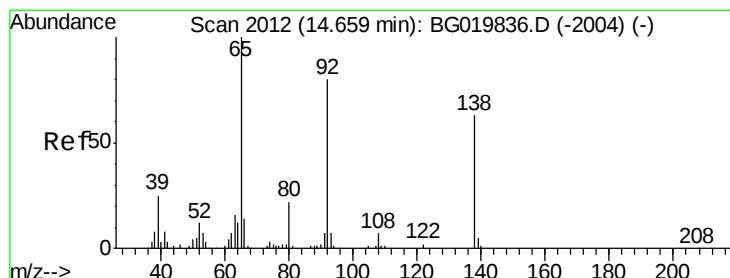
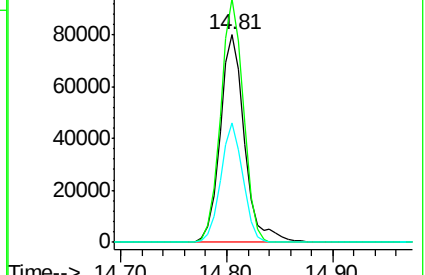
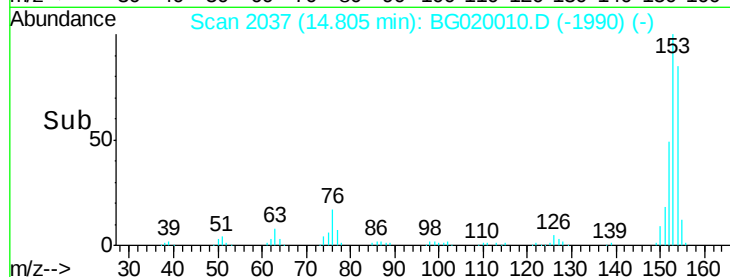
152 57.4 45.8 68.8



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



#52

3-Nitroaniline

Concen: 33.52 ng

RT: 14.64 min Scan# 2009

Delta R.T. -0.02 min

Lab File: BG020010.D

Acq: 8 Dec 2015 9:55

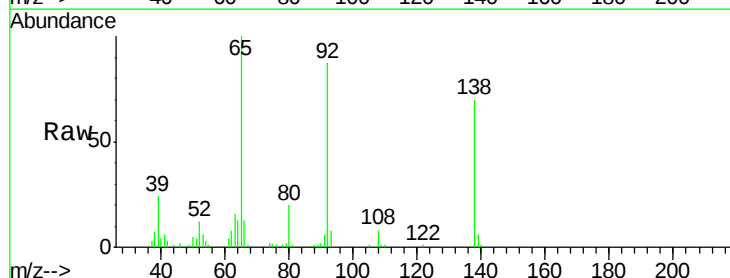
Tgt Ion:138 Resp: 33473

Ion Ratio Lower Upper

138 100

108 11.7 7.9 11.9

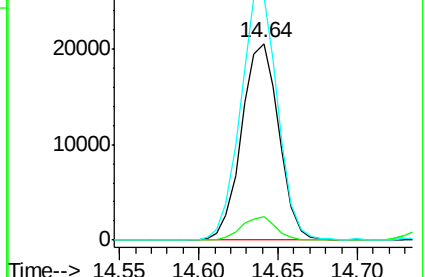
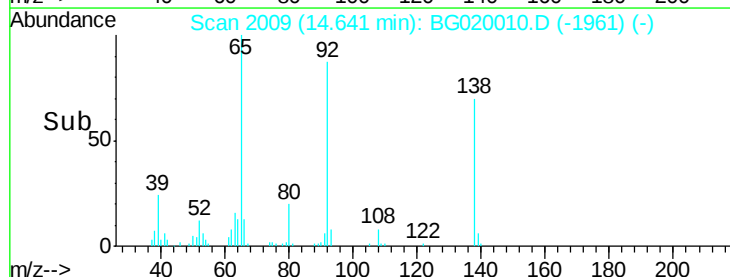
92 123.9 94.2 141.4

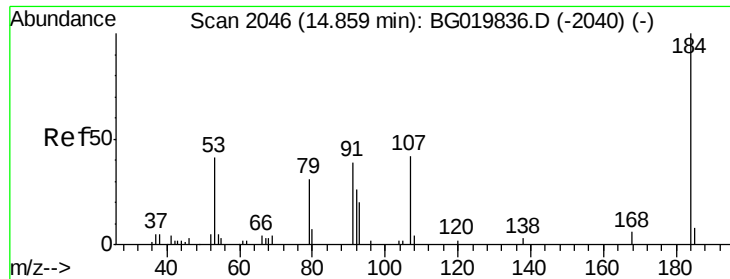


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BG0

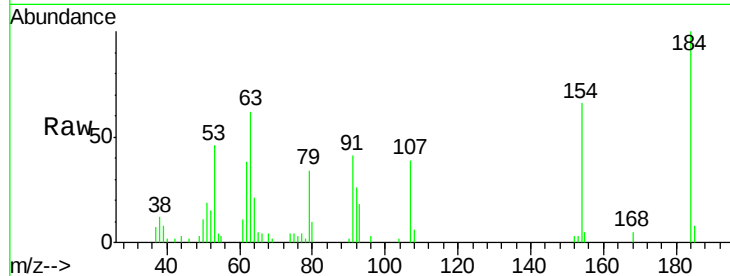




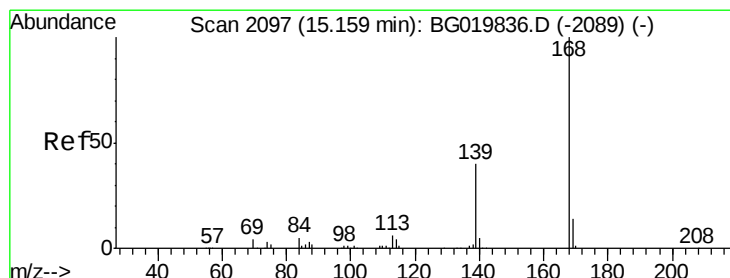
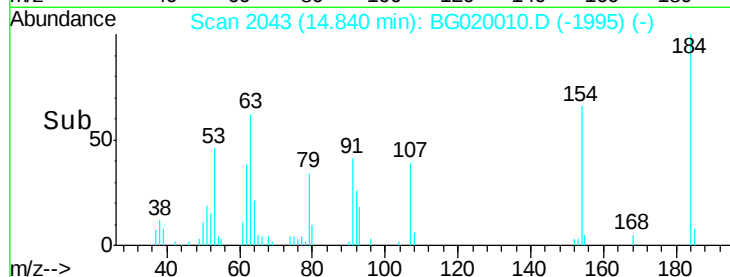
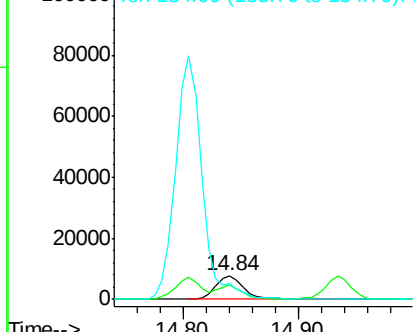
#53  
 2,4-Dinitrophenol  
 Concen: 32.52 ng  
 RT: 14.84 min Scan# 2043  
 Delta R.T. -0.02 min  
 Lab File: BG020010.D  
 Acq: 8 Dec 2015 9:55

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP3516DL 5X

Tgt Ion:184 Resp: 13451  
 Ion Ratio Lower Upper  
 184 100  
 63 62.4 42.7 64.1  
 154 65.5 44.3 66.5

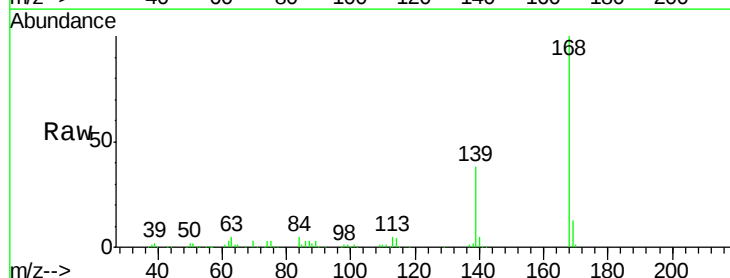


Abundance Ion 184.00 (183.70 to 184.70): E  
 Ion 63.00 (62.70 to 63.70): BG  
 Ion 154.00 (153.70 to 154.70): E

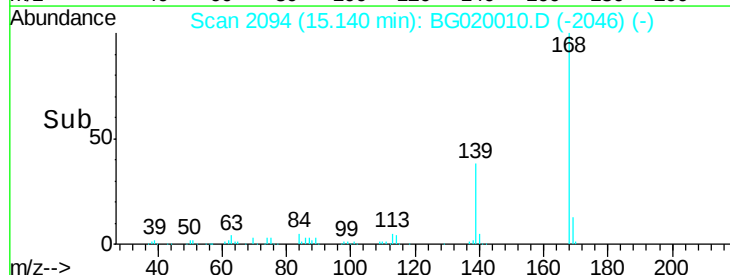
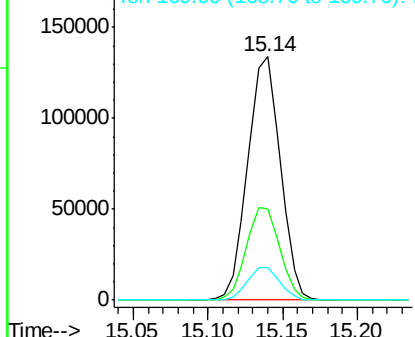


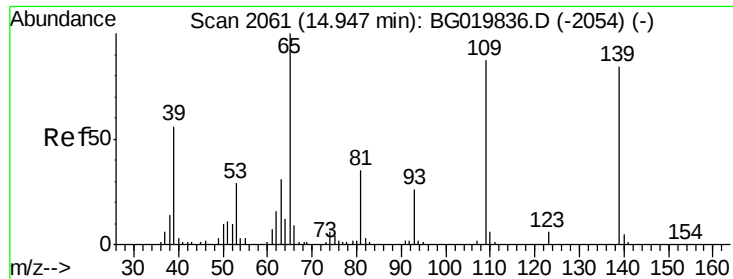
#54  
 Dibenzofuran  
 Concen: 36.55 ng  
 RT: 15.14 min Scan# 2094  
 Delta R.T. -0.02 min  
 Lab File: BG020010.D  
 Acq: 8 Dec 2015 9:55

Tgt Ion:168 Resp: 202013  
 Ion Ratio Lower Upper  
 168 100  
 139 37.7 27.4 41.0  
 169 13.4 11.0 16.4



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





#55

4-Nitrophenol

Concen: 35.68 ng

RT: 14.93 min Scan# 2059

Delta R.T. -0.01 min

Lab File: BG020010.D

Acq: 8 Dec 2015 9:55

Instrument :

BNA\_F

ClientSampleId :

SP3516DL 5X

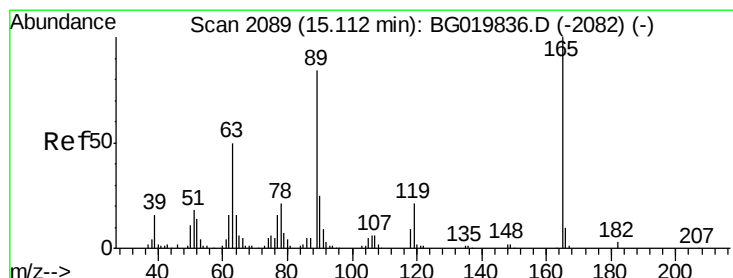
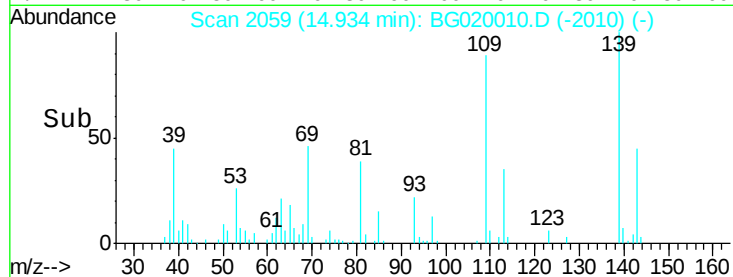
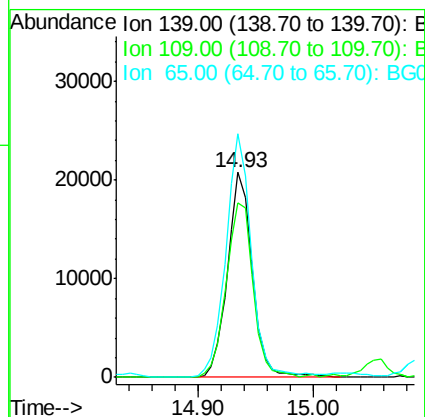
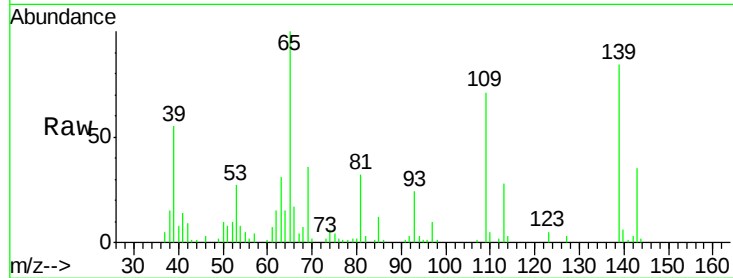
Tgt Ion:139 Resp: 31028

Ion Ratio Lower Upper

139 100

109 85.0 43.2 83.2#

65 118.9 67.8 107.8#



#56

2,4-Dinitrotoluene

Concen: 39.31 ng

RT: 15.09 min Scan# 2086

Delta R.T. -0.02 min

Lab File: BG020010.D

Acq: 8 Dec 2015 9:55

Tgt Ion:165 Resp: 52719

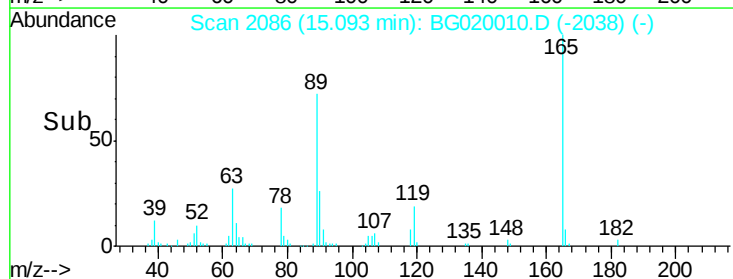
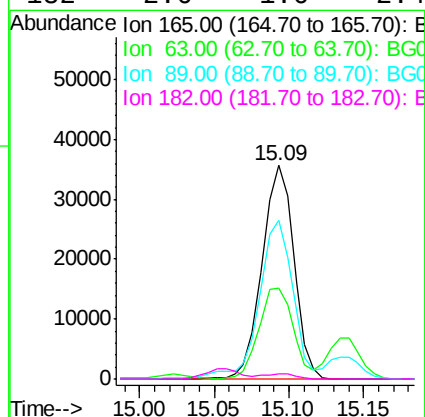
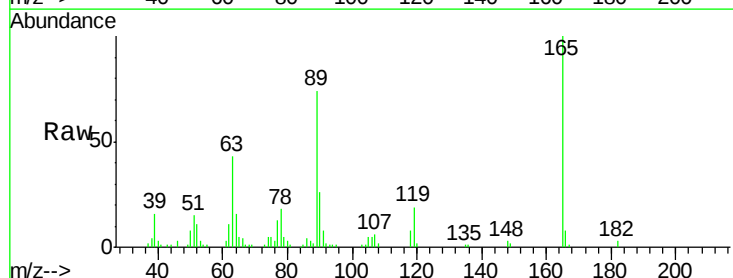
Ion Ratio Lower Upper

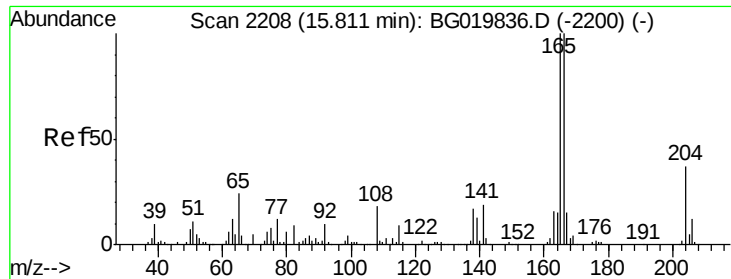
165 100

63 42.8 31.0 46.4

89 74.3 54.4 81.6

182 2.6 1.6 2.4#

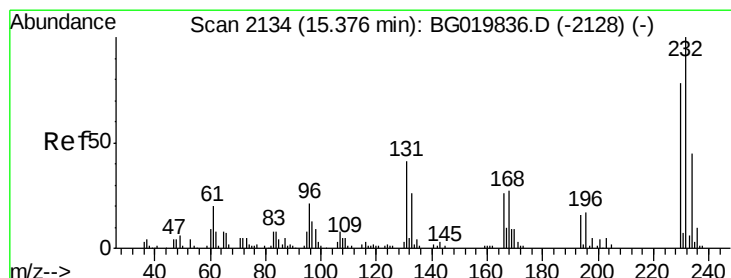
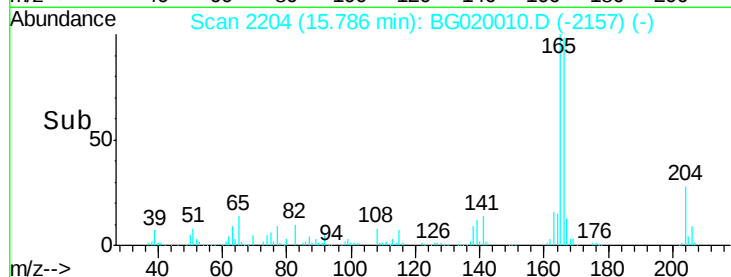
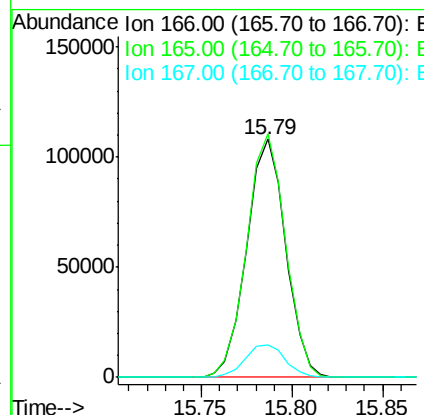
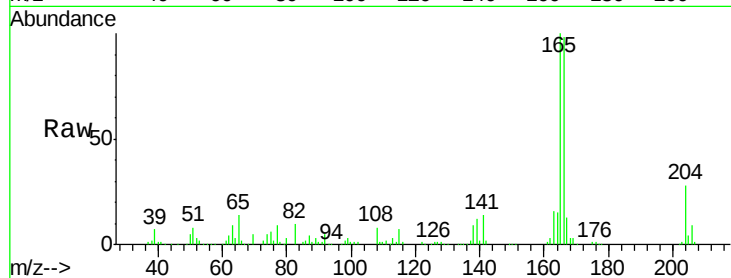




#57  
**Fluorene**  
 Concen: 32.64 ng  
 RT: 15.79 min Scan# 2204  
 Delta R.T. -0.02 min  
 Lab File: BG020010.D  
 Acq: 8 Dec 2015 9:55

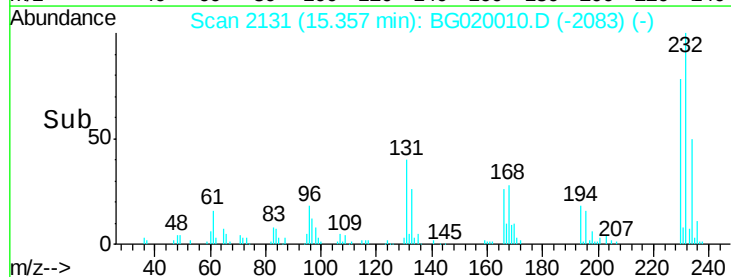
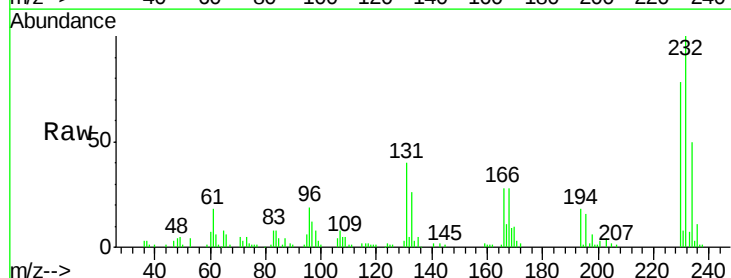
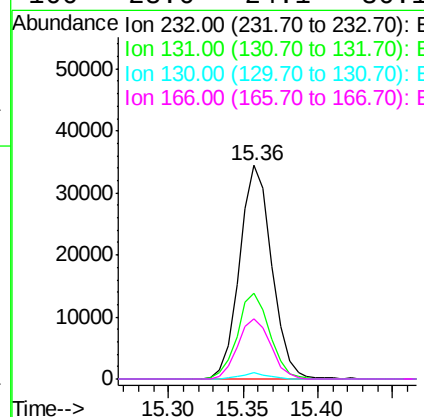
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP3516DL 5X

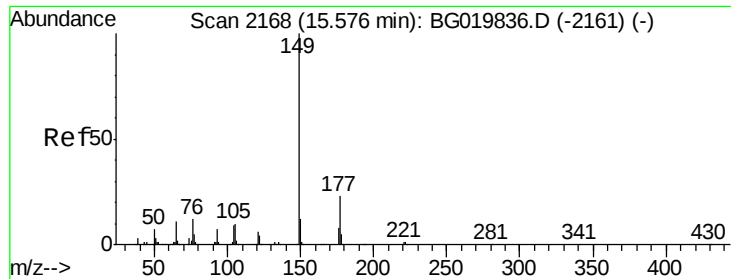
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 102.3 | 80.0  | 120.0 |
| 167     | 13.5  | 11.1  | 16.7  |



#58  
**2,3,4,6-Tetrachlorophenol**  
 Concen: 37.12 ng  
 RT: 15.36 min Scan# 2131  
 Delta R.T. -0.02 min  
 Lab File: BG020010.D  
 Acq: 8 Dec 2015 9:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 232     | 100   |       |       |
| 131     | 40.2  | 33.0  | 49.6  |
| 130     | 2.4   | 2.0   | 3.0   |
| 166     | 28.6  | 24.1  | 36.1  |





#59

Diethylphthalate

Concen: 30.80 ng

RT: 15.55 min Scan# 2163

Delta R.T. -0.03 min

Lab File: BG020010.D

Acq: 8 Dec 2015 9:55

Instrument :

BNA\_F

ClientSampleId :

SP3516DL 5X

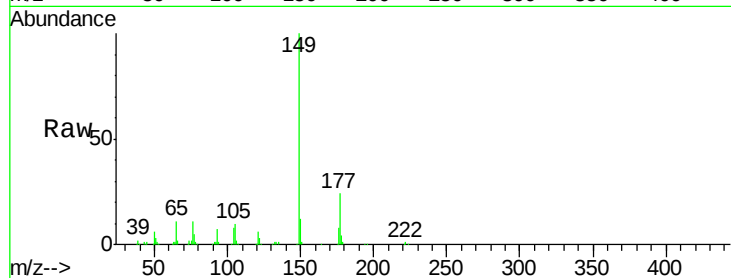
Tgt Ion:149 Resp: 170388

Ion Ratio Lower Upper

149 100

177 23.6 19.6 29.4

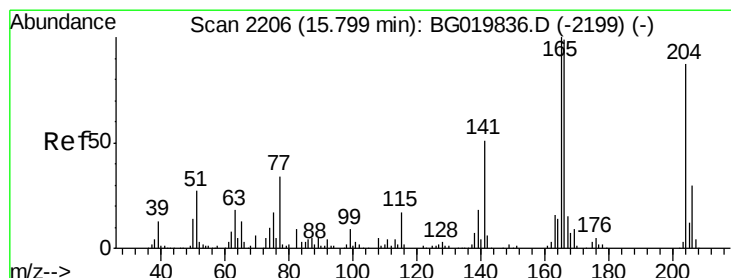
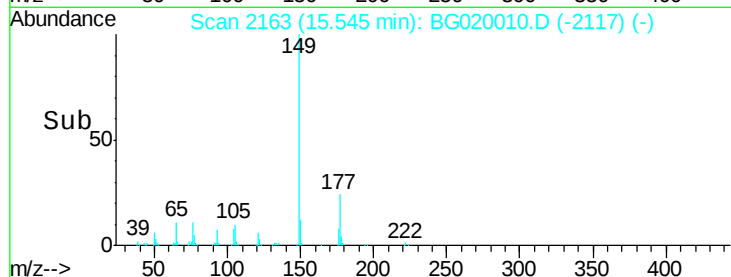
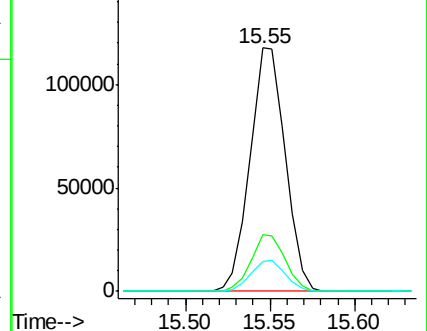
150 12.1 10.2 15.2



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 31.54 ng

RT: 15.77 min Scan# 2202

Delta R.T. -0.02 min

Lab File: BG020010.D

Acq: 8 Dec 2015 9:55

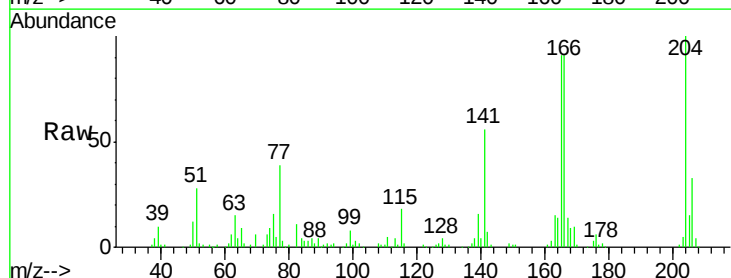
Tgt Ion:204 Resp: 89601

Ion Ratio Lower Upper

204 100

206 32.7 28.3 42.5

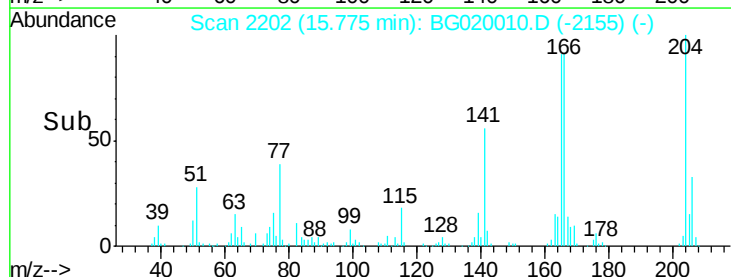
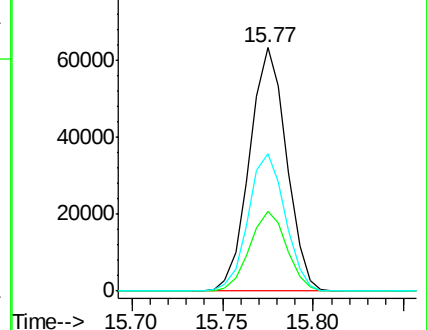
141 56.4 44.0 66.0

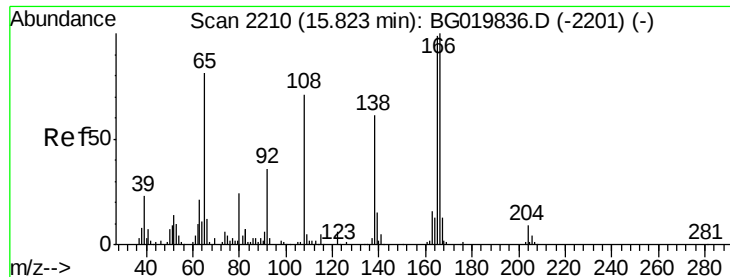


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

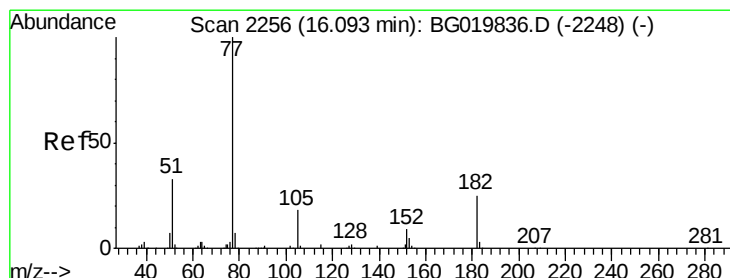
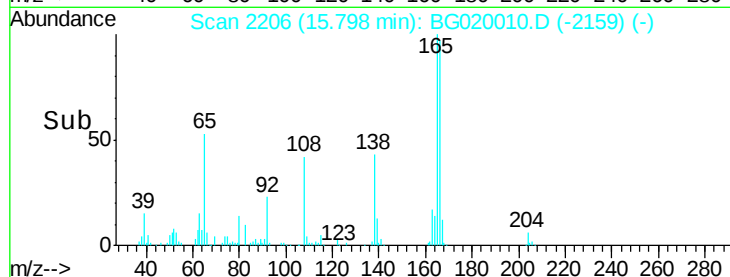
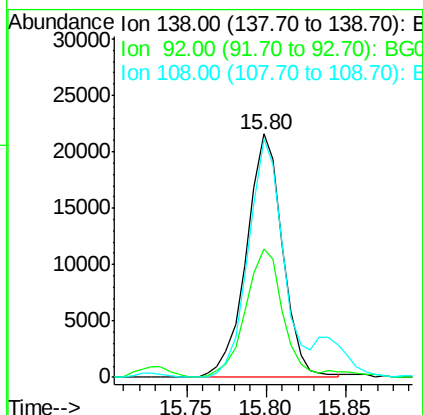
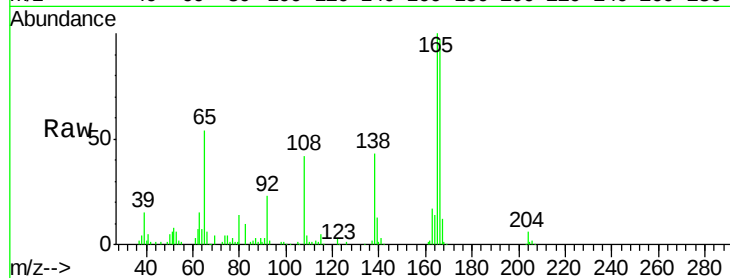




#61  
4-Nitroaniline  
Concen: 30.51 ng  
RT: 15.80 min Scan# 2206  
Delta R.T. -0.02 min  
Lab File: BG020010.D  
Acq: 8 Dec 2015 9:55

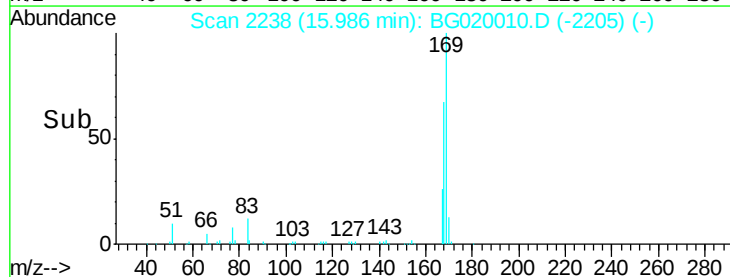
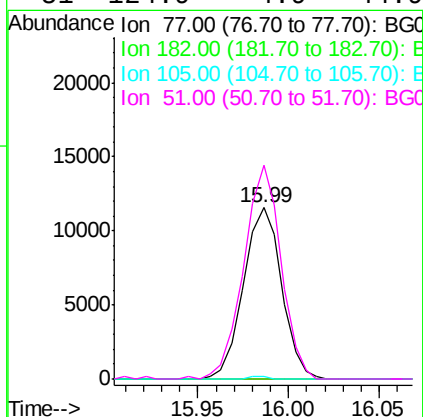
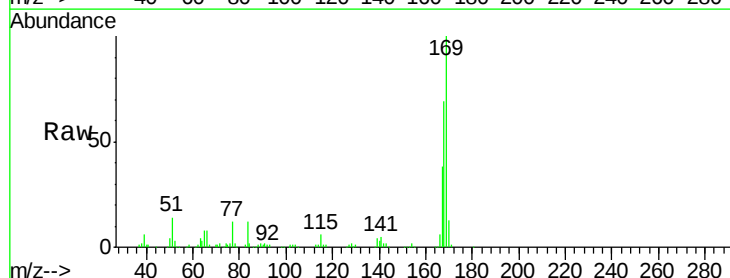
Instrument :  
BNA\_F  
ClientSampleId :  
SP3516DL 5X

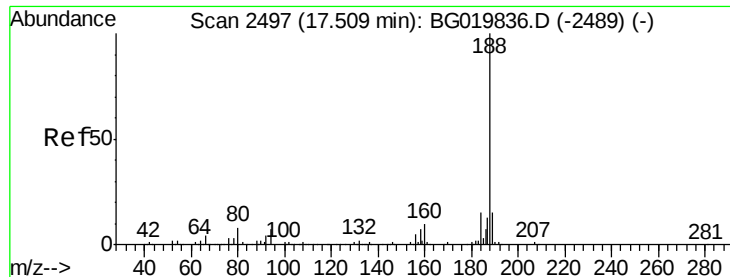
Tgt Ion: 138 Resp: 34263  
Ion Ratio Lower Upper  
138 100  
92 52.8 29.1 69.1  
108 98.0 49.8 89.8#



#62  
Azobenzene  
Concen: 3.66 ng  
RT: 15.99 min Scan# 2238  
Delta R.T. -0.11 min  
Lab File: BG020010.D  
Acq: 8 Dec 2015 9:55

Tgt Ion: 77 Resp: 16855  
Ion Ratio Lower Upper  
77 100  
182 0.0 7.0 47.0#  
105 1.4 1.4 41.4#  
51 124.9 4.9 44.9#

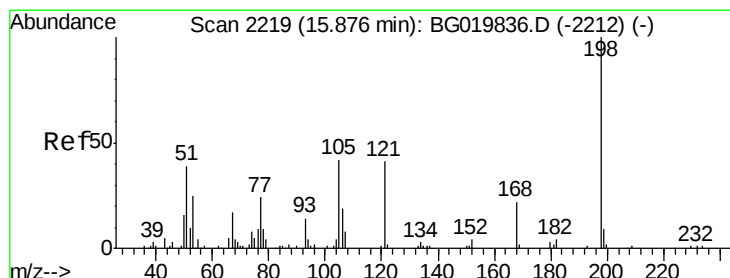
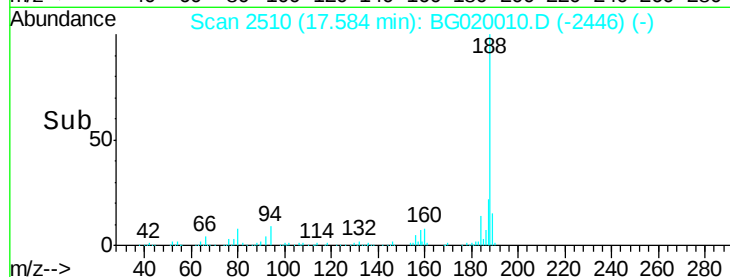
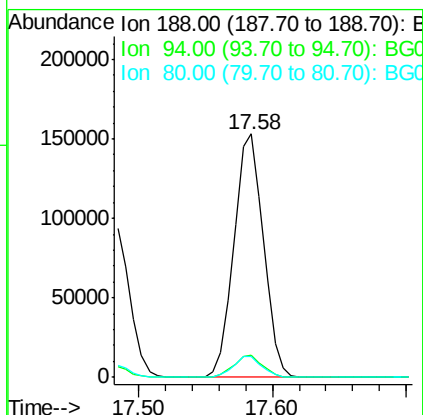
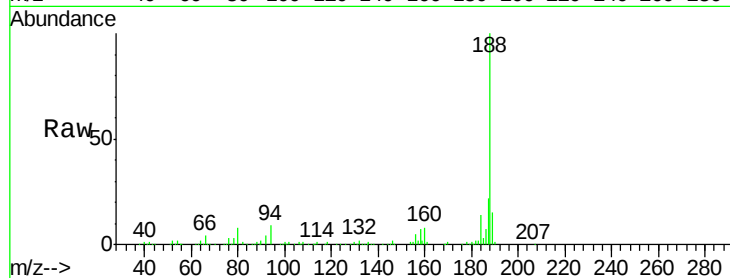




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.58 min Scan# 2510  
Delta R.T. 0.08 min  
Lab File: BG020010.D  
Acq: 8 Dec 2015 9:55

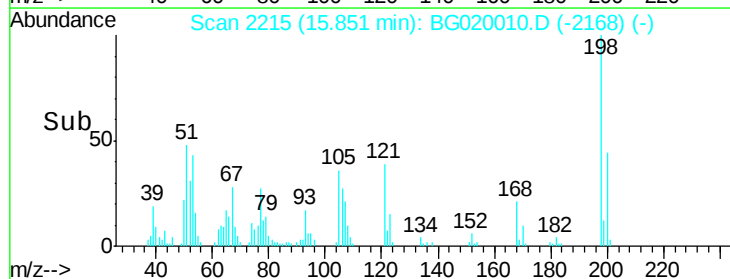
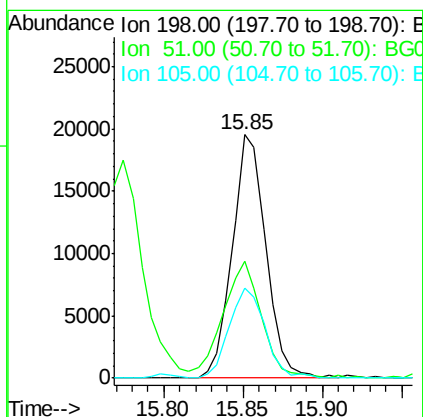
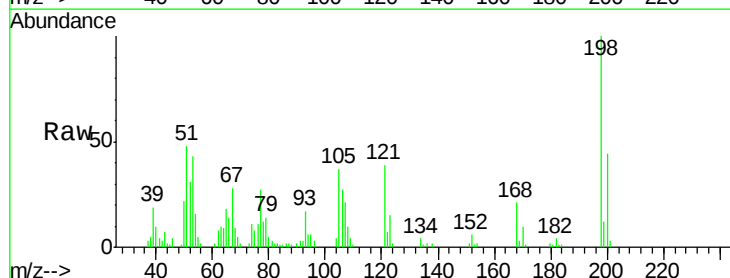
Instrument :  
BNA\_F  
ClientSampleId :  
SP3516DL 5X

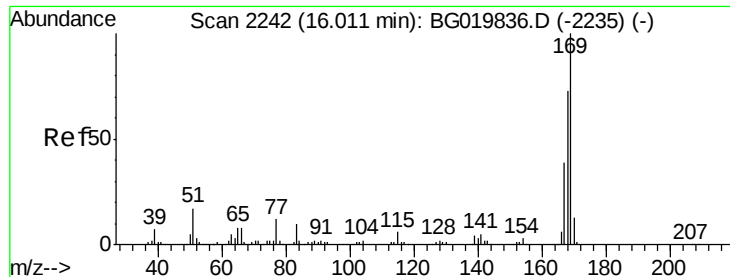
Tgt Ion:188 Resp: 235122  
Ion Ratio Lower Upper  
188 100  
94 8.9 7.7 11.5  
80 8.4 7.8 11.8



#64  
4,6-Dinitro-2-methylphenol  
Concen: 25.07 ng  
RT: 15.85 min Scan# 2215  
Delta R.T. -0.02 min  
Lab File: BG020010.D  
Acq: 8 Dec 2015 9:55

Tgt Ion:198 Resp: 28697  
Ion Ratio Lower Upper  
198 100  
51 48.2 14.2 54.2  
105 37.2 21.1 61.1

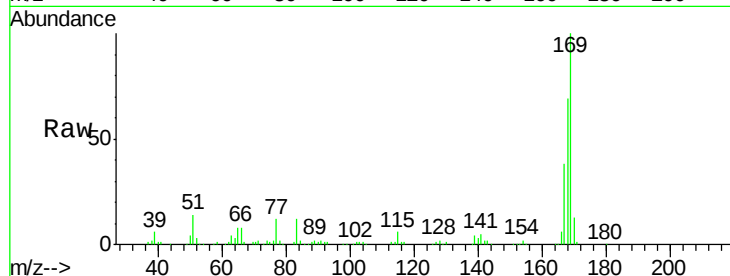




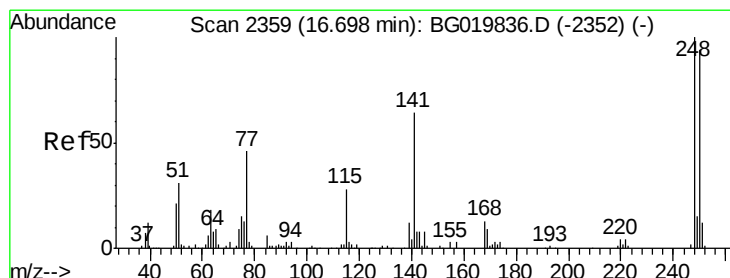
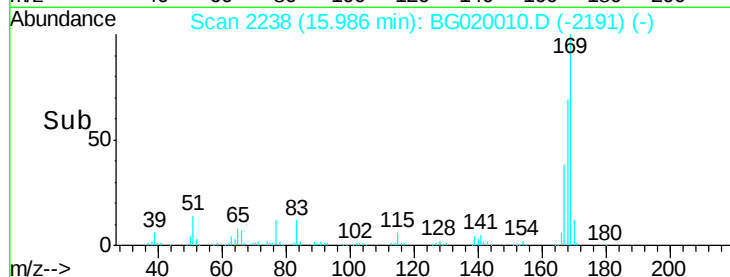
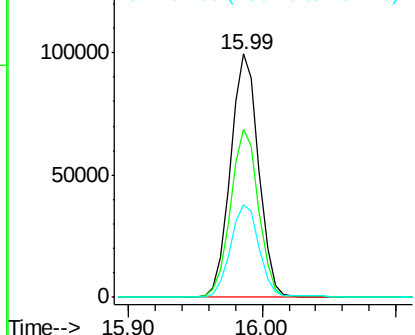
#65  
n-Nitrosodiphenylamine  
Concen: 21.42 ng  
RT: 15.99 min Scan# 2238  
Delta R.T. -0.02 min  
Lab File: BG020010.D  
Acq: 8 Dec 2015 9:55

Instrument :  
BNA\_F  
ClientSampleId :  
SP3516DL 5X

Tgt Ion:169 Resp: 145758  
Ion Ratio Lower Upper  
169 100  
168 68.8 58.2 87.2  
167 38.3 32.7 49.1

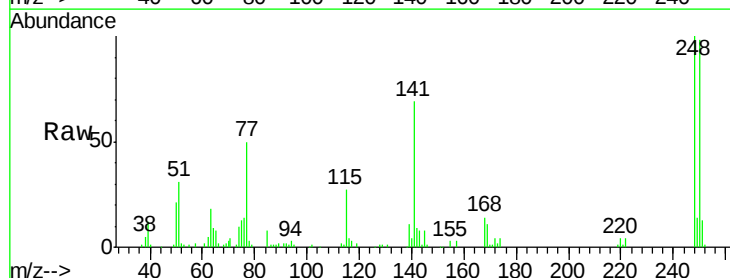


Abundance Ion 169.00 (168.70 to 169.70): E  
Ion 168.00 (167.70 to 168.70): E  
Ion 167.00 (166.70 to 167.70): E

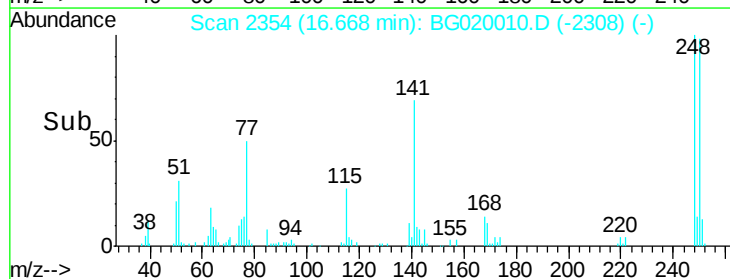
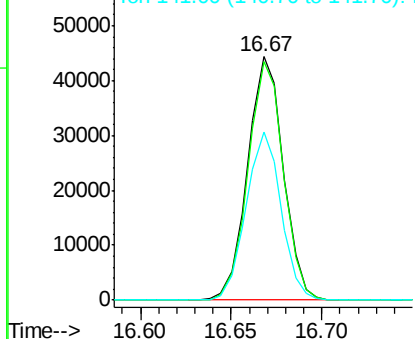


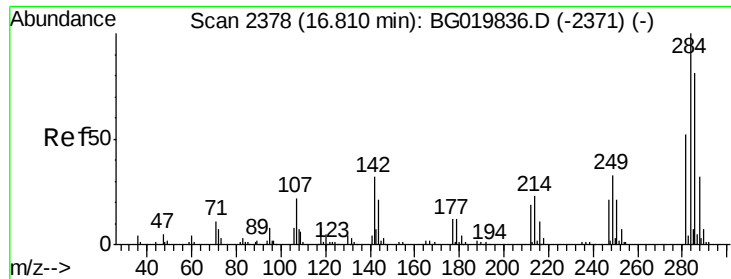
#66  
4-Bromophenyl-phenylether  
Concen: 20.69 ng  
RT: 16.67 min Scan# 2354  
Delta R.T. -0.03 min  
Lab File: BG020010.D  
Acq: 8 Dec 2015 9:55

Tgt Ion:248 Resp: 60439  
Ion Ratio Lower Upper  
248 100  
250 97.8 77.8 116.8  
141 68.8 50.4 75.6



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

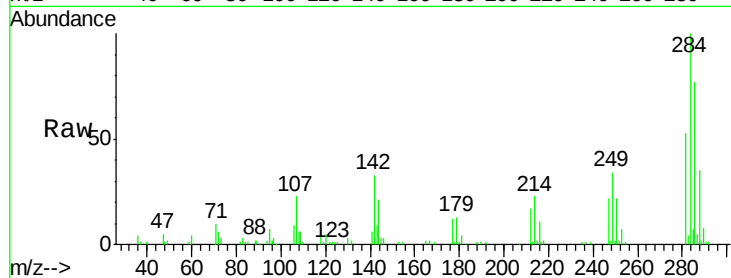




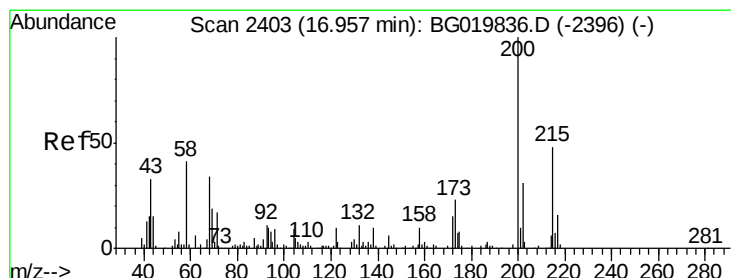
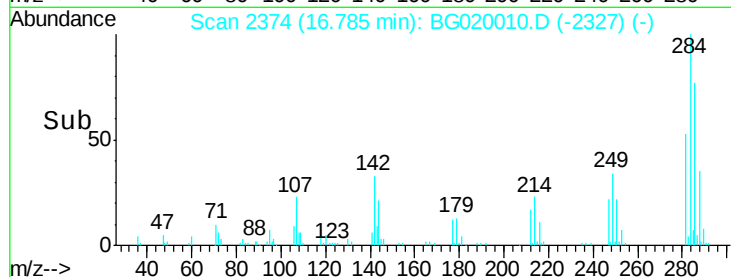
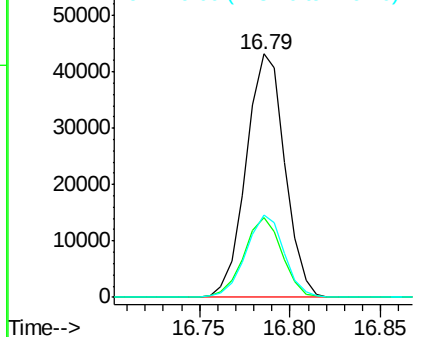
#67  
Hexachlorobenzene  
Concen: 21.18 ng  
RT: 16.79 min Scan# 2374  
Delta R.T. -0.02 min  
Lab File: BG020010.D  
Acq: 8 Dec 2015 9:55

Instrument :  
BNA\_F  
ClientSampleId :  
SP3516DL 5X

Tgt Ion:284 Resp: 64461  
Ion Ratio Lower Upper  
284 100  
142 32.5 26.6 39.8  
249 36.0 26.2 39.2

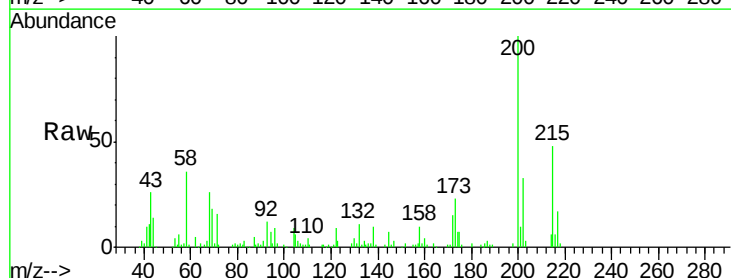


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

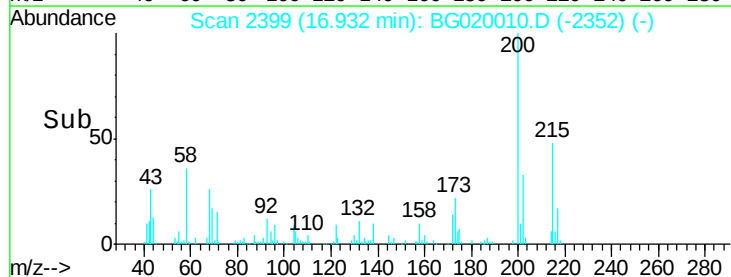
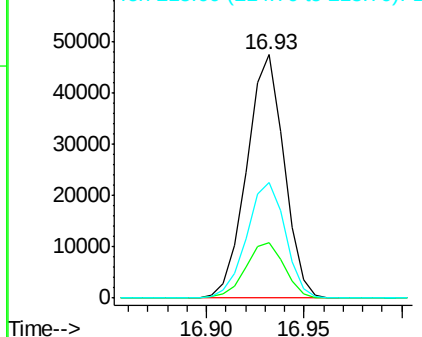


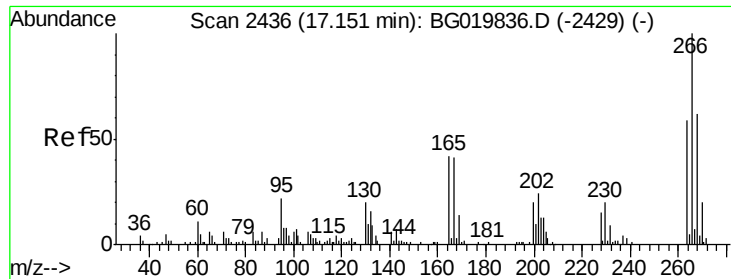
#68  
Atrazine  
Concen: 21.32 ng  
RT: 16.93 min Scan# 2399  
Delta R.T. -0.02 min  
Lab File: BG020010.D  
Acq: 8 Dec 2015 9:55

Tgt Ion:200 Resp: 63013  
Ion Ratio Lower Upper  
200 100  
173 22.9 5.2 45.2  
215 47.6 27.0 67.0



Abundance Ion 200.00 (199.70 to 200.70): E  
Ion 173.00 (172.70 to 173.70): E  
Ion 215.00 (214.70 to 215.70): E





#69

Pentachlorophenol

Concen: 22.04 ng

RT: 17.13 min Scan# 2432

Delta R.T. -0.02 min

Lab File: BG020010.D

Acq: 8 Dec 2015 9:55

Instrument :

BNA\_F

ClientSampleId :

SP3516DL 5X

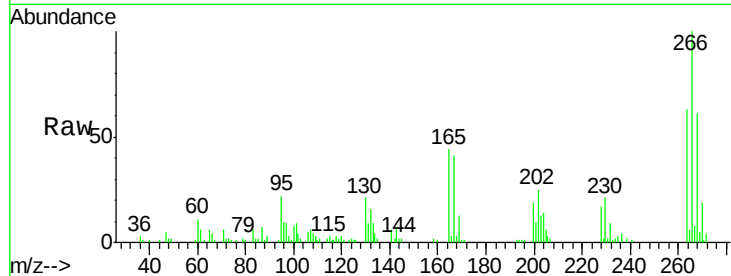
Tgt Ion:266 Resp: 39145

Ion Ratio Lower Upper

266 100

268 60.6 47.6 71.4

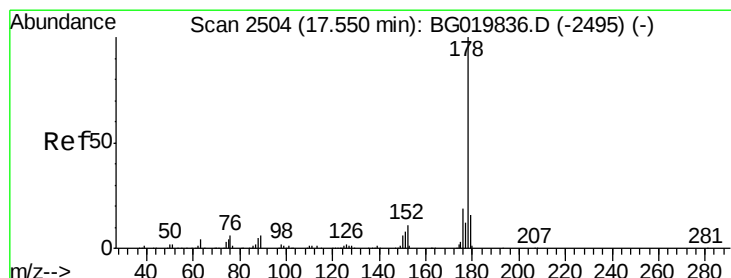
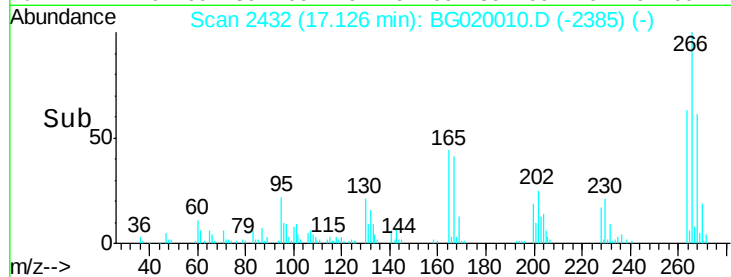
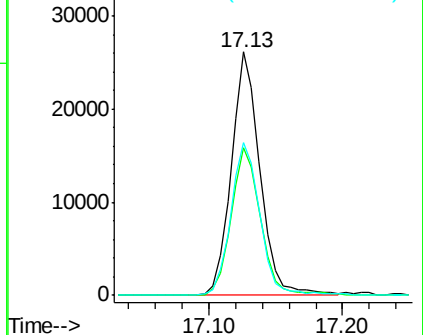
264 62.8 48.1 72.1



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#70

Phenanthrene

Concen: 21.74 ng

RT: 17.62 min Scan# 2516

Delta R.T. 0.07 min

Lab File: BG020010.D

Acq: 8 Dec 2015 9:55

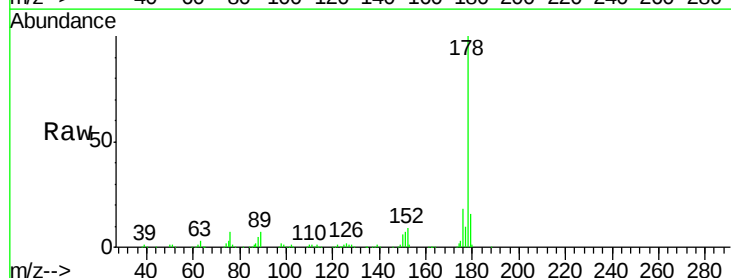
Tgt Ion:178 Resp: 289267

Ion Ratio Lower Upper

178 100

176 18.4 16.7 25.1

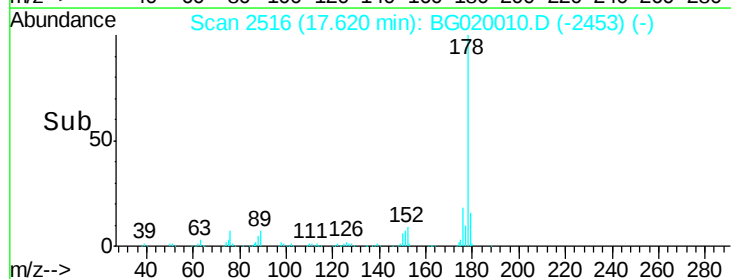
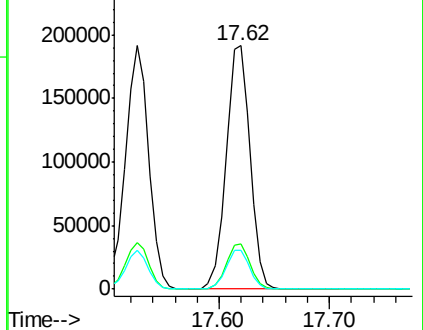
179 15.9 13.9 20.9

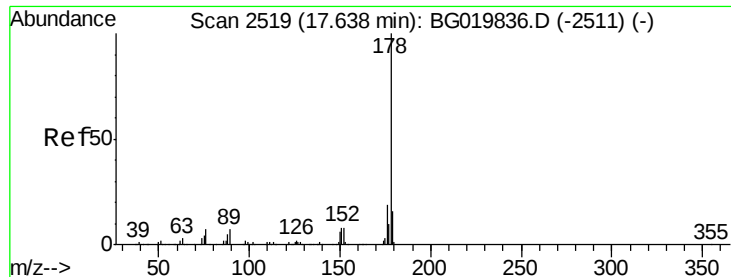


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

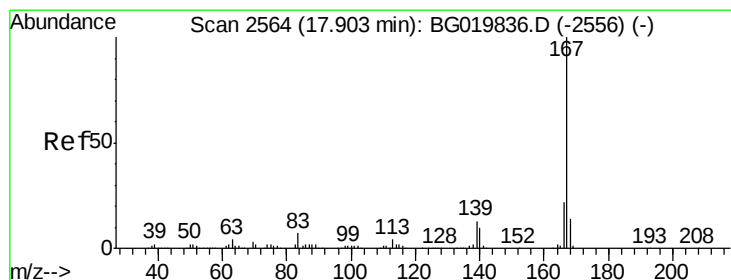
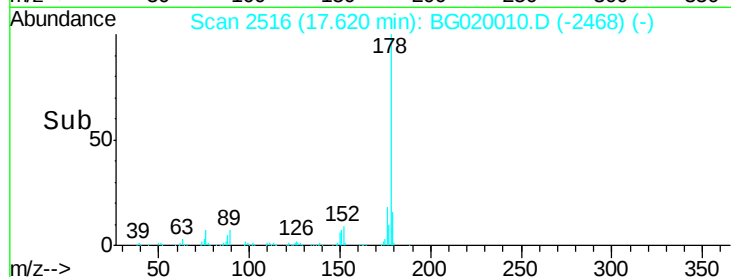
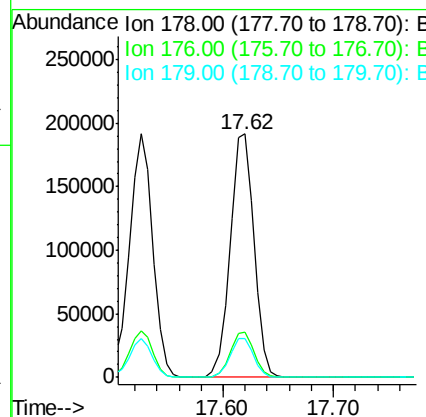
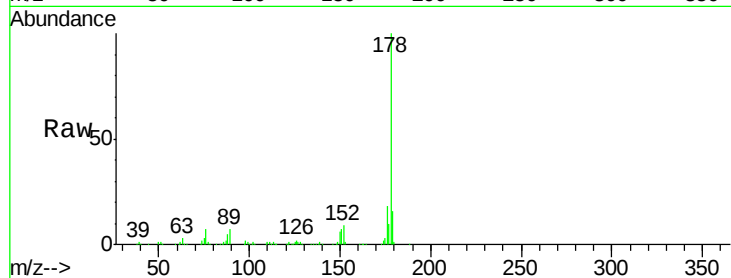




#71  
 Anthracene  
 Concen: 21.35 ng  
 RT: 17.62 min Scan# 2516  
 Delta R.T. -0.02 min  
 Lab File: BG020010.D  
 Acq: 8 Dec 2015 9:55

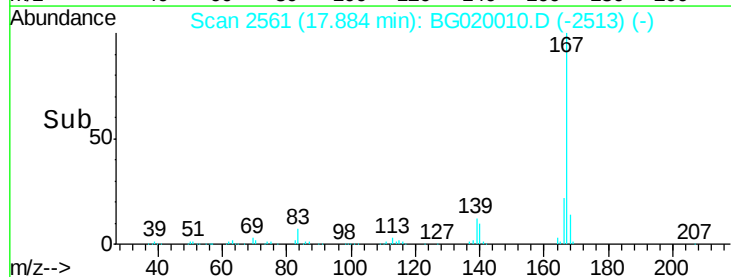
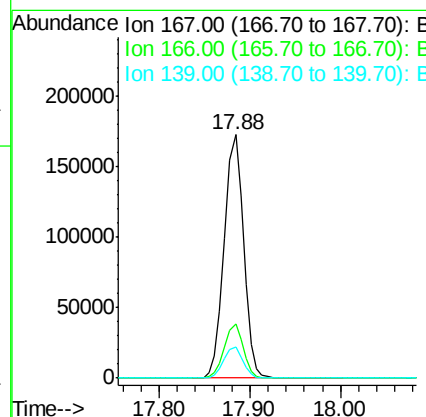
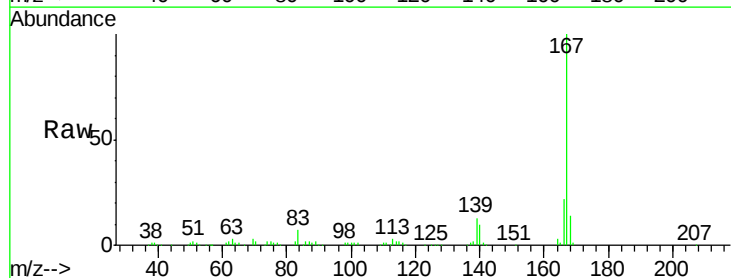
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP3516DL 5X

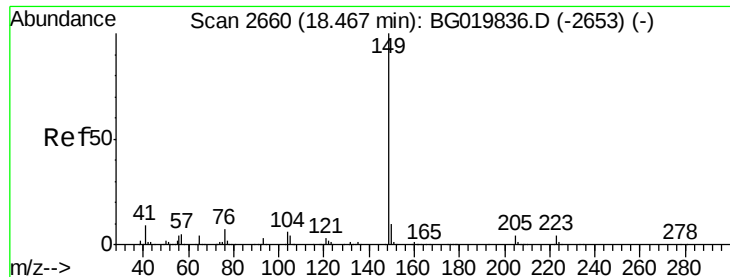
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.4  | 16.8  | 25.2  |
| 179     | 15.9  | 13.9  | 20.9  |



#72  
 Carbazole  
 Concen: 21.52 ng  
 RT: 17.88 min Scan# 2561  
 Delta R.T. -0.02 min  
 Lab File: BG020010.D  
 Acq: 8 Dec 2015 9:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 22.2  | 19.0  | 28.6  |
| 139     | 12.8  | 10.2  | 15.4  |





#73

Di-n-butylphthalate

Concen: 20.75 ng

RT: 18.44 min Scan# 2655

Delta R.T. -0.03 min

Lab File: BG020010.D

Acq: 8 Dec 2015 9:55

Instrument :

BNA\_F

ClientSampleId :

SP3516DL 5X

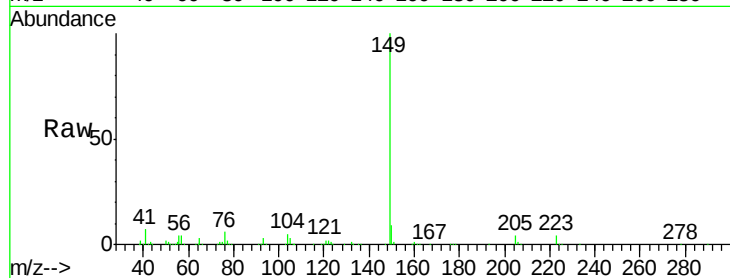
Tgt Ion:149 Resp: 303517

Ion Ratio Lower Upper

149 100

150 9.4 8.2 12.4

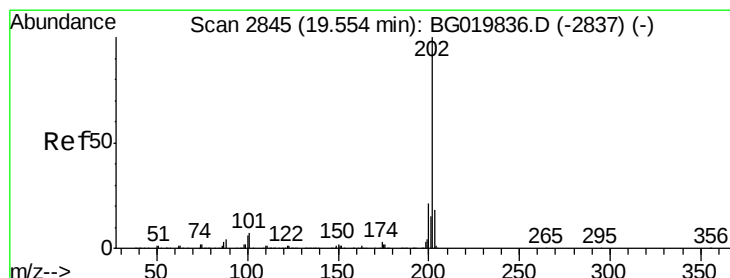
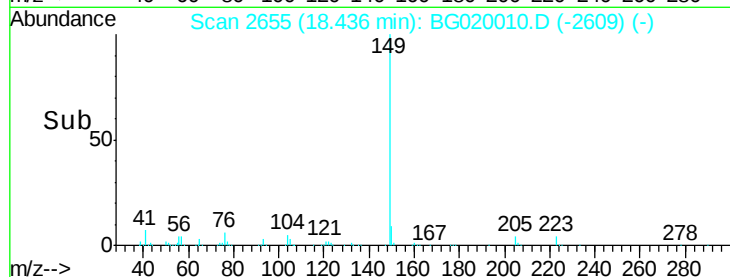
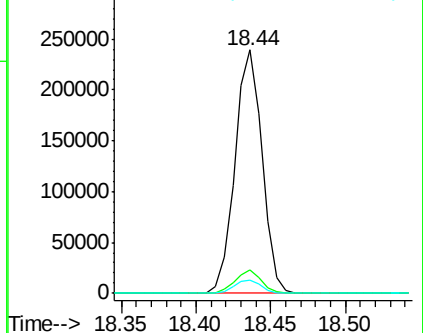
104 5.4 4.4 6.6



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



#74

Fluoranthene

Concen: 20.98 ng

RT: 19.53 min Scan# 2841

Delta R.T. -0.02 min

Lab File: BG020010.D

Acq: 8 Dec 2015 9:55

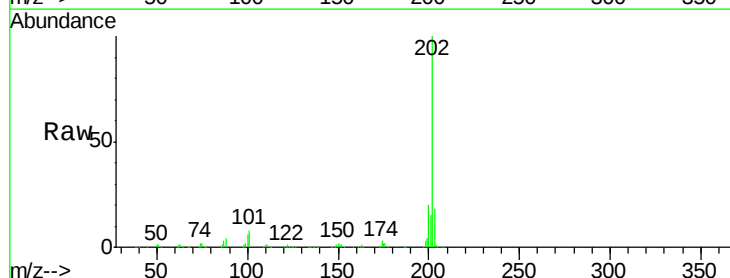
Tgt Ion:202 Resp: 357058

Ion Ratio Lower Upper

202 100

101 7.8 0.0 32.4

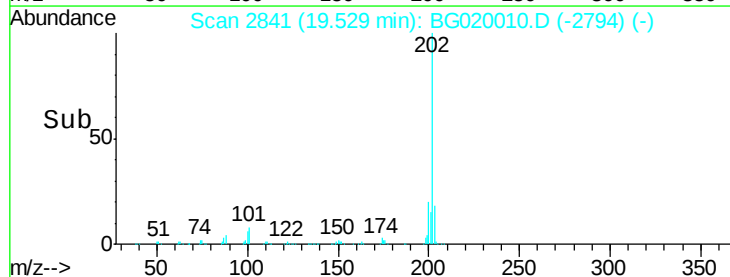
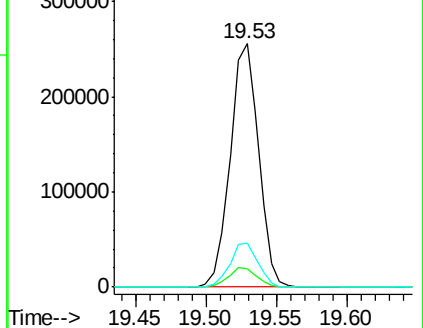
203 18.3 0.0 39.5

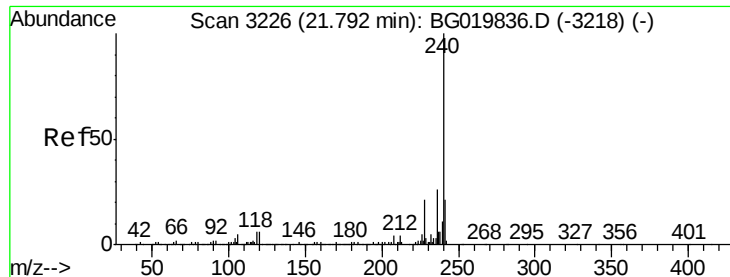


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

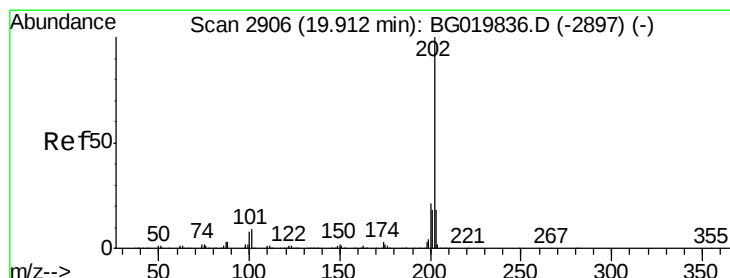
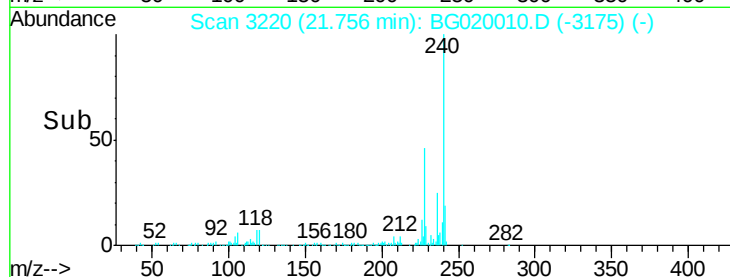
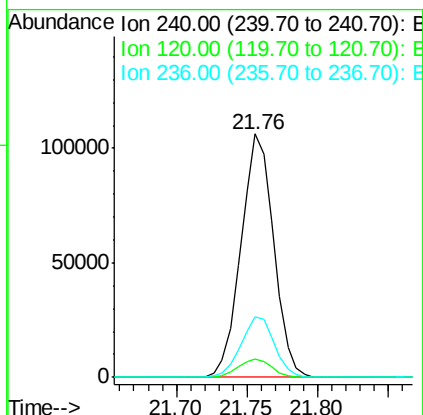
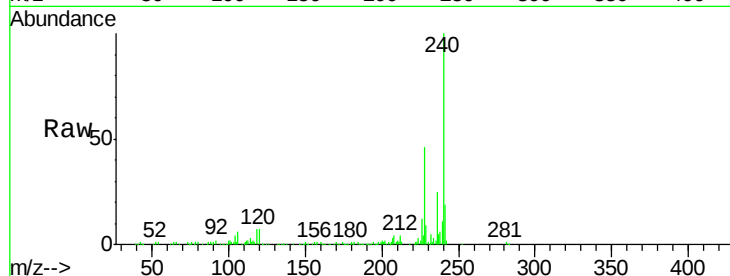




#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 21.76 min Scan# 3220  
 Delta R.T. -0.04 min  
 Lab File: BG020010.D  
 Acq: 8 Dec 2015 9:55

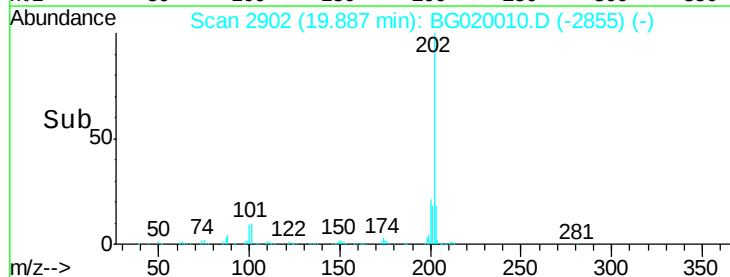
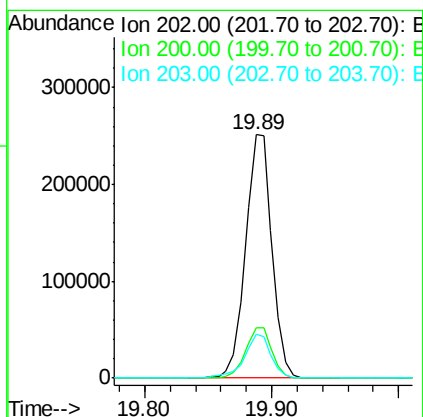
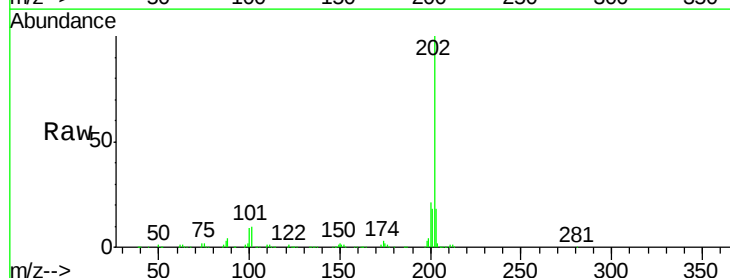
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP3516DL 5X

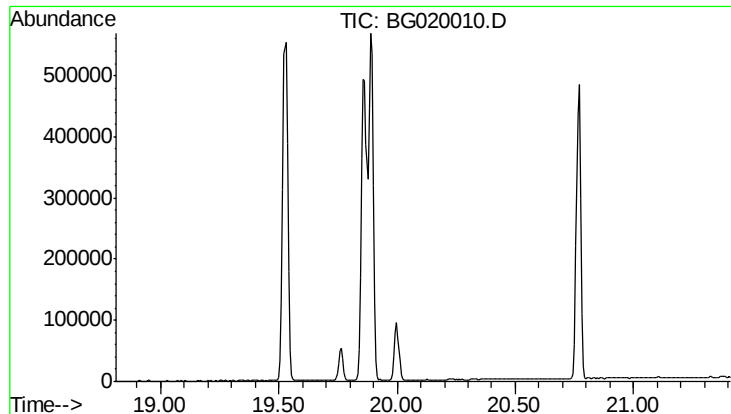
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 7.4   | 7.4   | 11.0# |
| 236     | 24.9  | 20.7  | 31.1  |



#77  
 Pyrene  
 Concen: 35.78 ng  
 RT: 19.89 min Scan# 2902  
 Delta R.T. -0.02 min  
 Lab File: BG020010.D  
 Acq: 8 Dec 2015 9:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 20.7  | 19.4  | 29.0  |
| 203     | 18.3  | 15.5  | 23.3  |

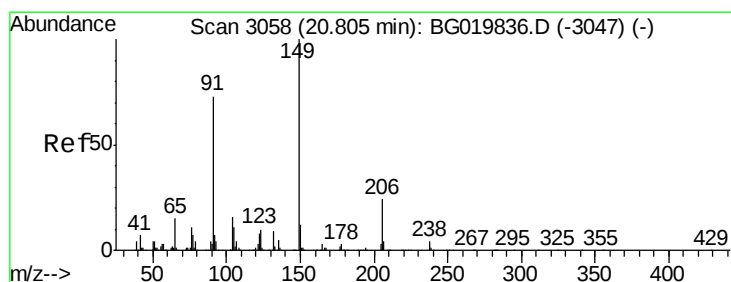
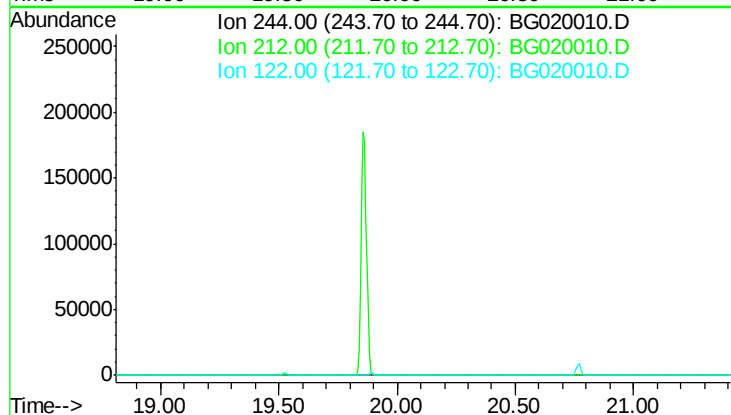




#78  
 Terphenyl-d14  
 Concen: 0.00 ng  
 Expected RT: 20.11 min  
 Lab File: BG020010.D  
 Acq: 8 Dec 2015 9:55

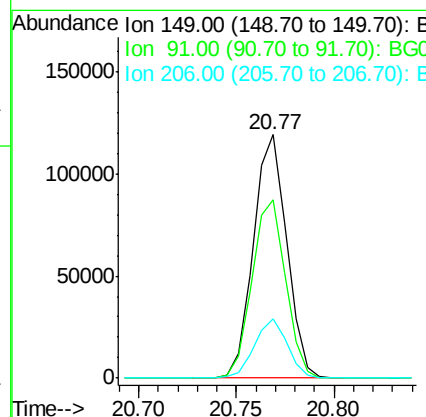
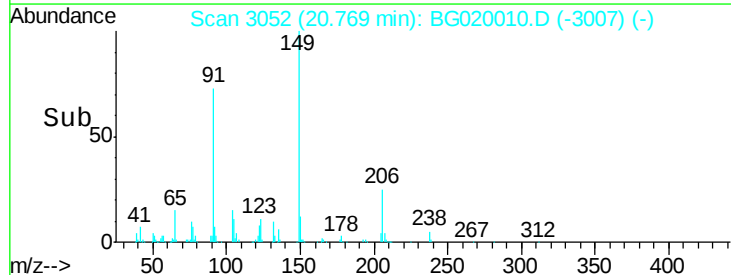
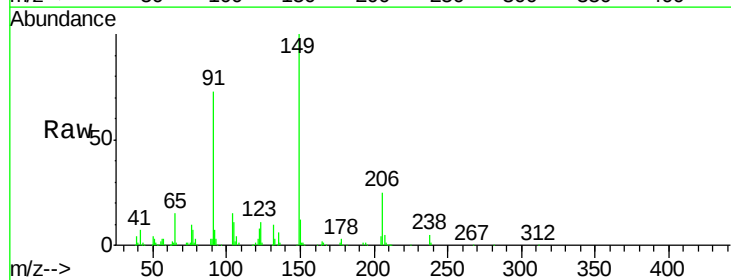
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP3516DL 5X

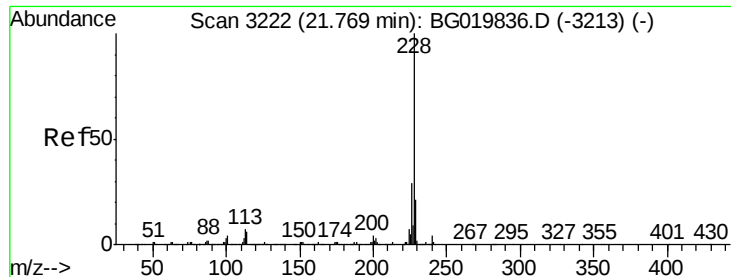
Tgt Ion: 244  
 Sig Exp Ratio  
 244 100  
 212 8.6  
 122 12.7



#79  
 Butylbenzylphthalate  
 Concen: 35.44 ng  
 RT: 20.77 min Scan# 3052  
 Delta R.T. -0.04 min  
 Lab File: BG020010.D  
 Acq: 8 Dec 2015 9:55

Tgt Ion: 149 Resp: 140763  
 Ion Ratio Lower Upper  
 149 100  
 91 73.0 58.1 87.1  
 206 24.6 17.8 26.8





#80

Benzo(a)anthracene

Concen: 35.64 ng

RT: 21.74 min Scan# 3217

Delta R.T. -0.03 min

Lab File: BG020010.D

Acq: 8 Dec 2015 9:55

Instrument :

BNA\_F

ClientSampleId :

SP3516DL 5X

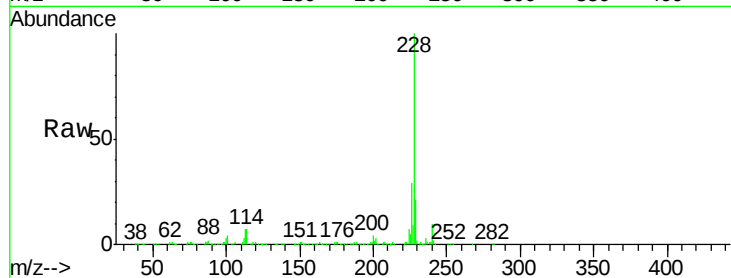
Tgt Ion:228 Resp: 375771

Ion Ratio Lower Upper

228 100

226 28.6 23.4 35.0

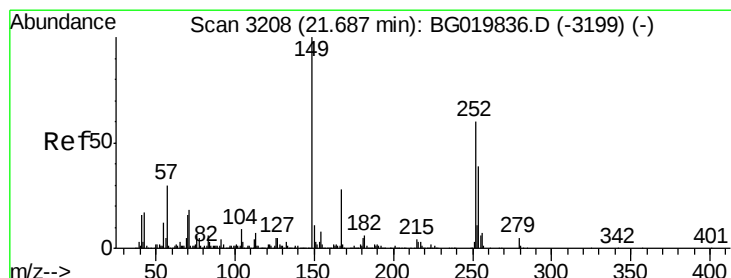
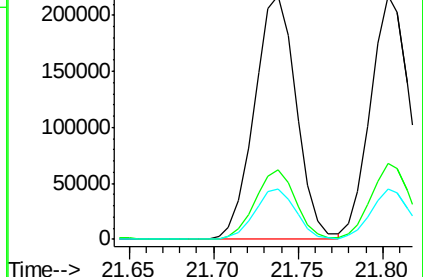
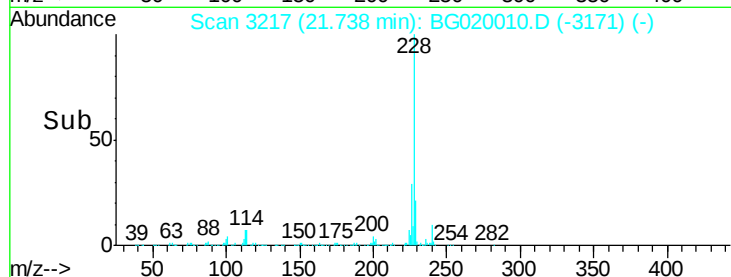
229 20.6 16.6 25.0



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



#81

3,3'-Dichlorobenzidine

Concen: 28.61 ng

RT: 21.65 min Scan# 3202

Delta R.T. -0.04 min

Lab File: BG020010.D

Acq: 8 Dec 2015 9:55

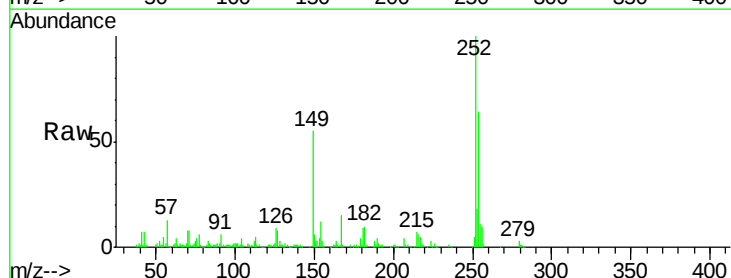
Tgt Ion:252 Resp: 114865

Ion Ratio Lower Upper

252 100

254 63.8 52.5 78.7

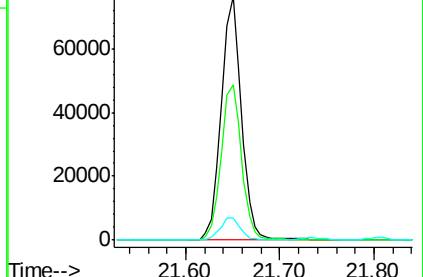
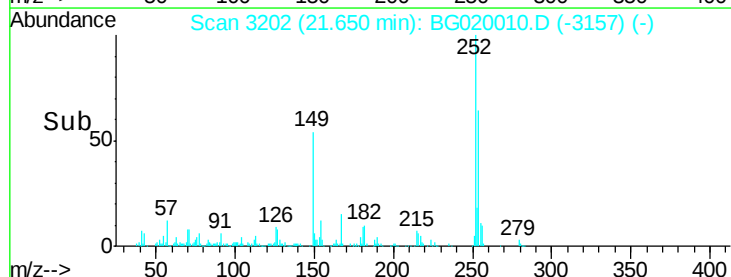
126 9.3 8.5 12.7

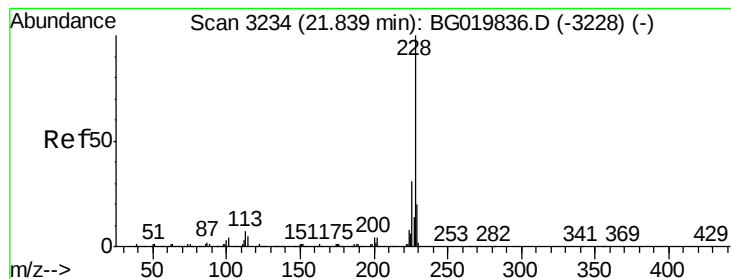


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#82

Chrysene

Concen: 34.97 ng

RT: 21.80 min Scan# 3228

Delta R.T. -0.04 min

Lab File: BG020010.D

Acq: 8 Dec 2015 9:55

Instrument :

BNA\_F

ClientSampleId :

SP3516DL 5X

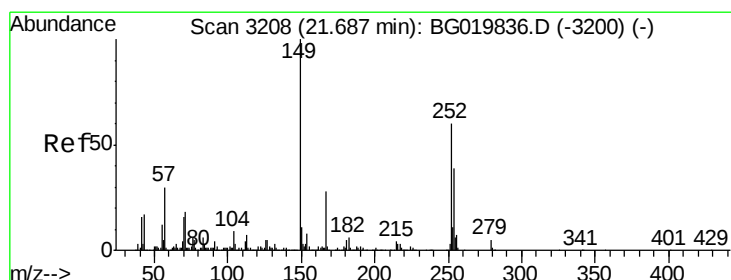
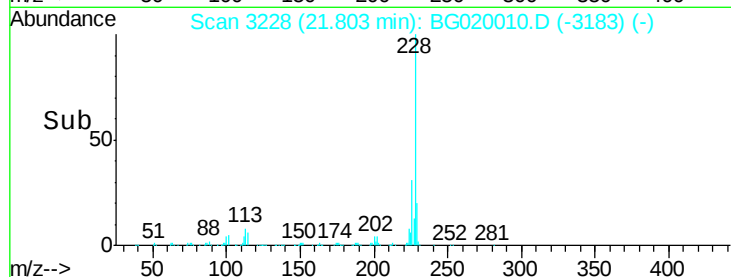
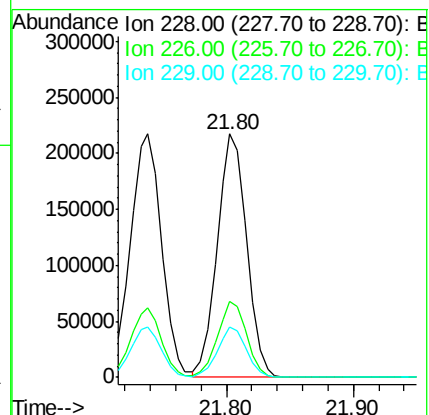
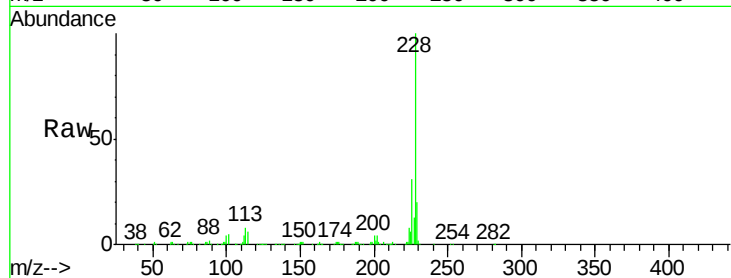
Tgt Ion: 228 Resp: 350025

Ion Ratio Lower Upper

228 100

226 31.2 26.7 40.1

229 20.4 17.0 25.6



#83

Bis(2-ethylhexyl)phthalate

Concen: 35.22 ng

RT: 21.64 min Scan# 3200

Delta R.T. -0.05 min

Lab File: BG020010.D

Acq: 8 Dec 2015 9:55

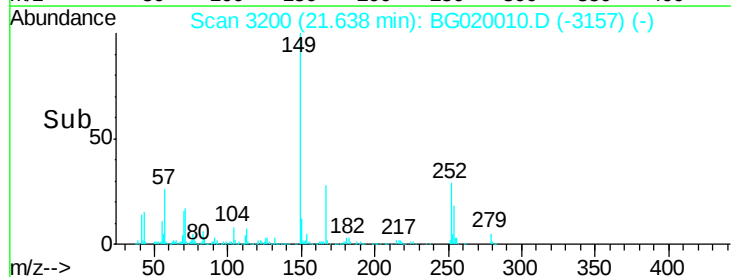
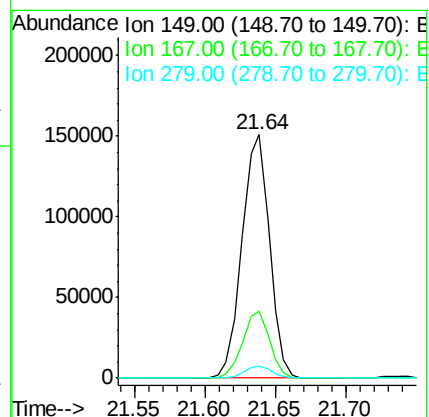
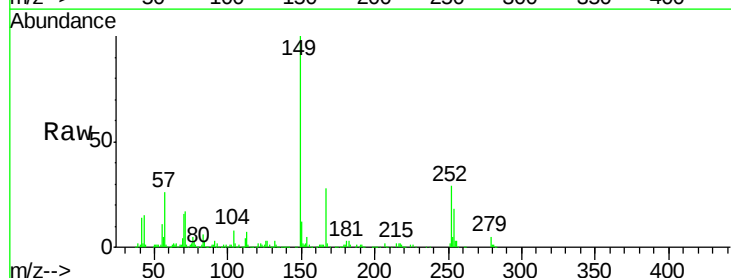
Tgt Ion: 149 Resp: 205273

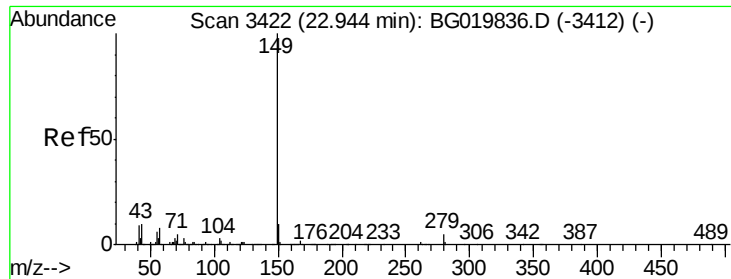
Ion Ratio Lower Upper

149 100

167 27.7 23.8 35.8

279 4.7 3.4 5.2

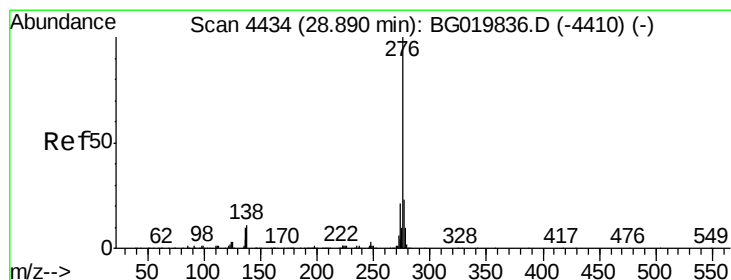
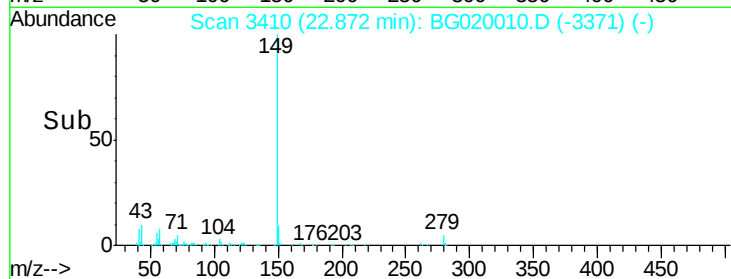
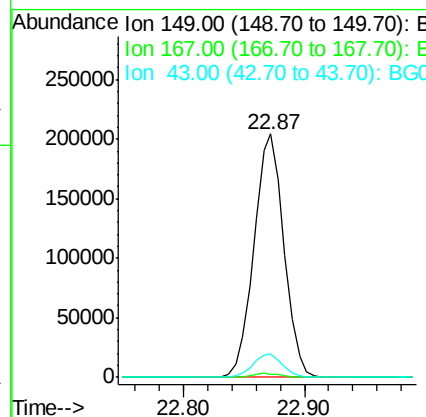
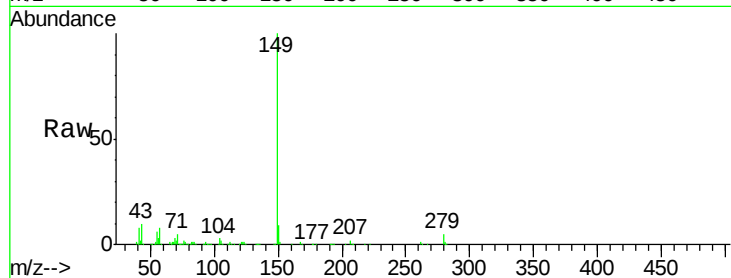




#84  
Di-n-octyl phthalate  
Concen: 37.11 ng  
RT: 22.87 min Scan# 3410  
Delta R.T. -0.07 min  
Lab File: BG020010.D  
Acq: 8 Dec 2015 9:55

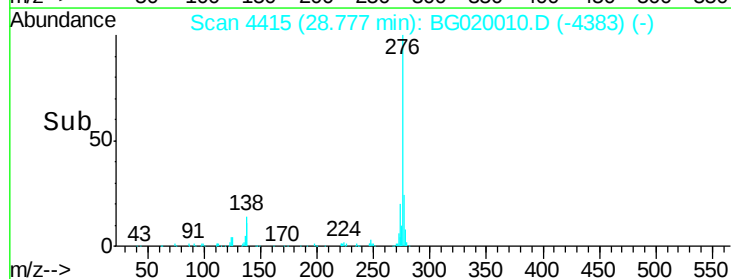
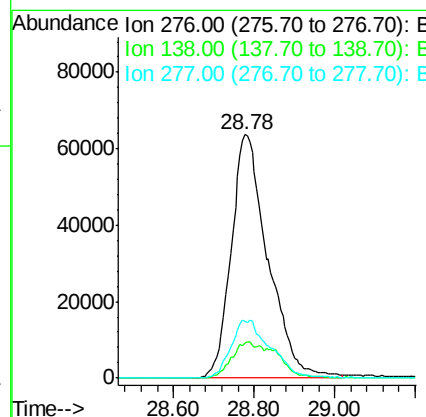
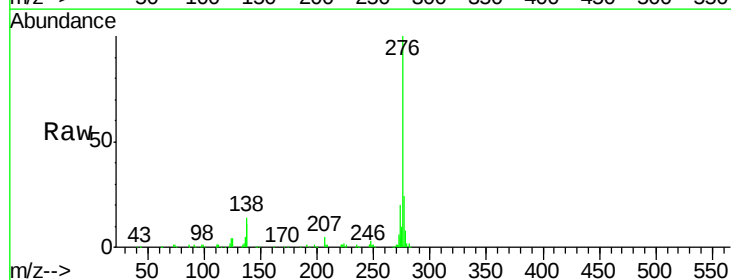
Instrument :  
BNA\_F  
ClientSampleId :  
SP3516DL 5X

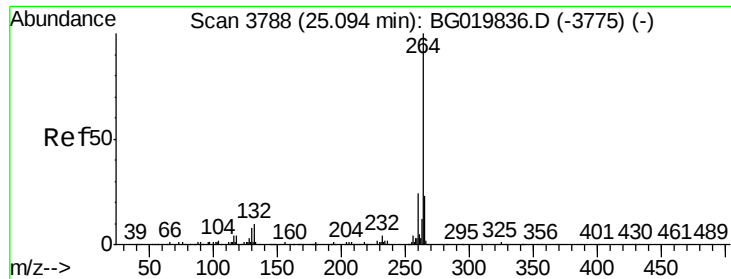
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 1.6   | 1.2   | 1.8   |
| 43      | 9.5   | 5.9   | 8.9#  |



#85  
Indeno(1,2,3-cd)pyrene  
Concen: 36.45 ng  
RT: 28.78 min Scan# 4415  
Delta R.T. -0.11 min  
Lab File: BG020010.D  
Acq: 8 Dec 2015 9:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 18.1  | 0.0   | 0.0#  |
| 277     | 25.5  | 0.0   | 0.0#  |

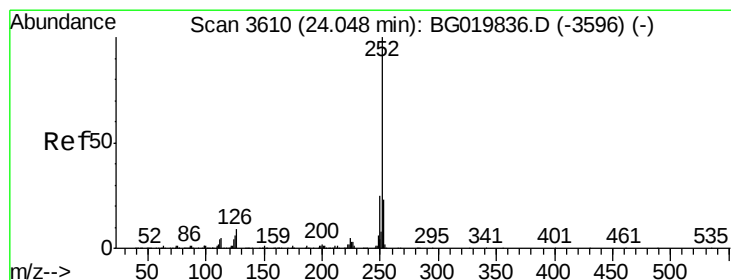
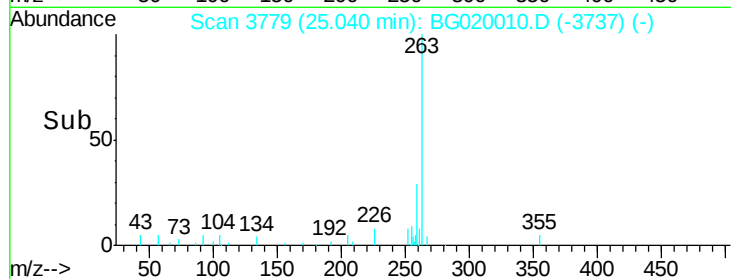
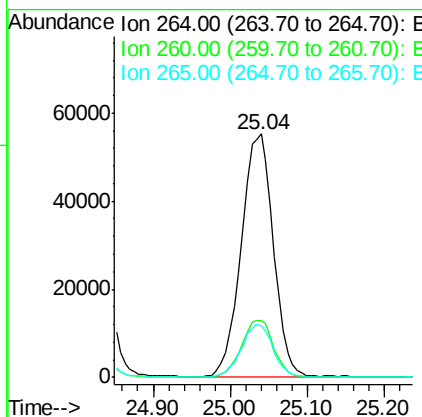
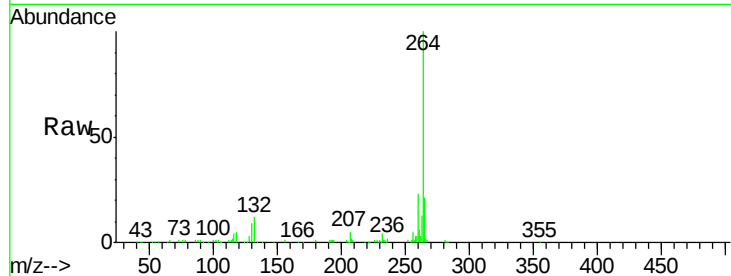




#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 25.04 min Scan# 3779  
Delta R.T. -0.05 min  
Lab File: BG020010.D  
Acq: 8 Dec 2015 9:55

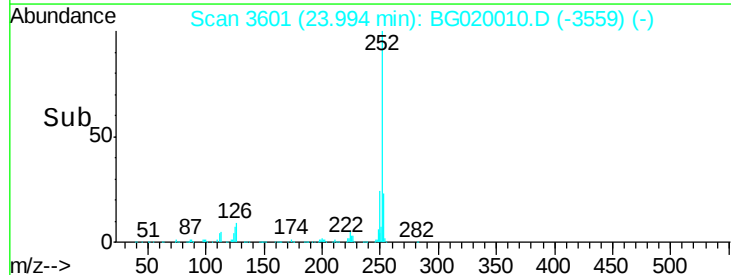
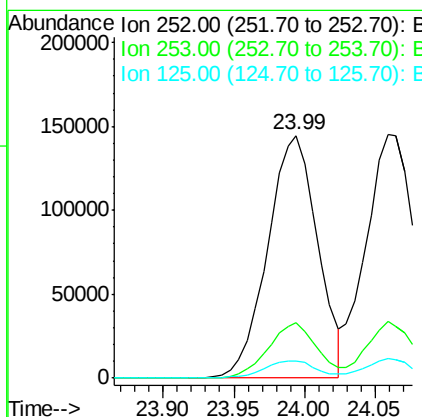
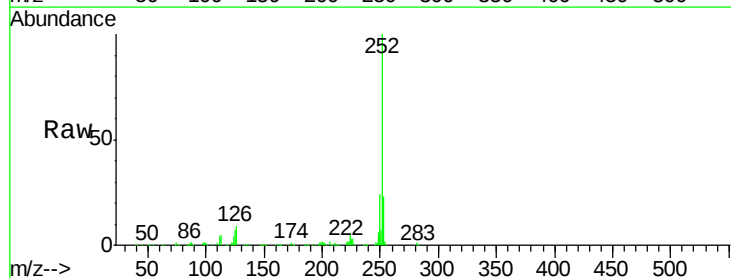
Instrument :  
BNA\_F  
ClientSampleId :  
SP3516DL 5X

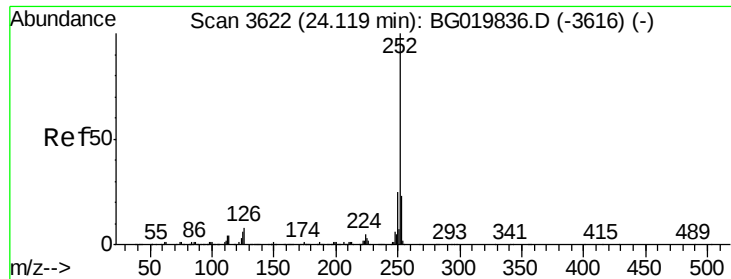
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.2  | 18.5  | 27.7  |
| 265     | 21.3  | 17.2  | 25.8  |



#87  
Benzo(b)fluoranthene  
Concen: 34.64 ng  
RT: 23.99 min Scan# 3601  
Delta R.T. -0.05 min  
Lab File: BG020010.D  
Acq: 8 Dec 2015 9:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.0  | 19.1  | 28.7  |
| 125     | 6.9   | 8.9   | 13.3  |

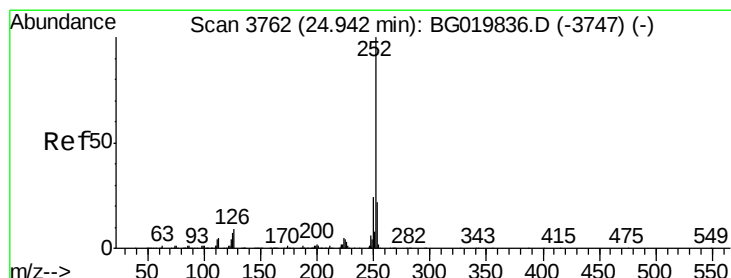
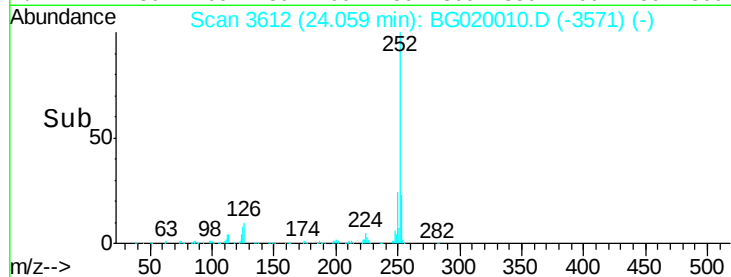
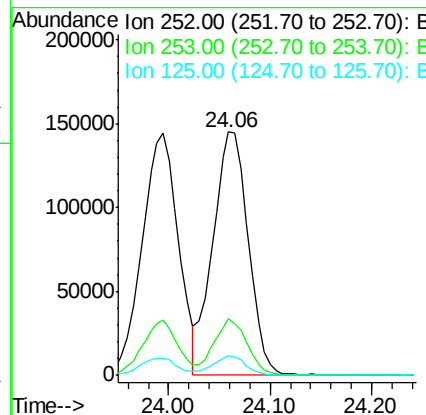
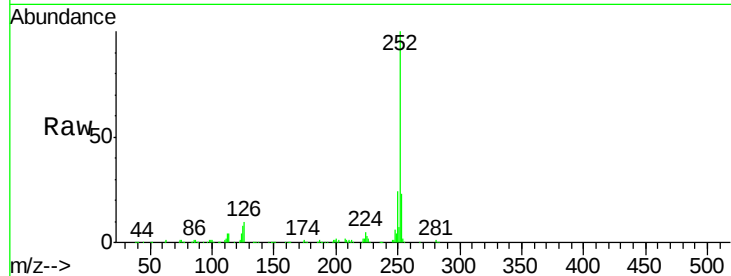




#88  
Benzo(k)fluoranthene  
Concen: 34.29 ng  
RT: 24.06 min Scan# 3612  
Delta R.T. -0.06 min  
Lab File: BG020010.D  
Acq: 8 Dec 2015 9:55

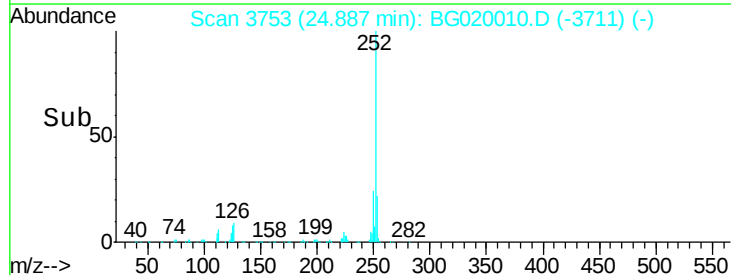
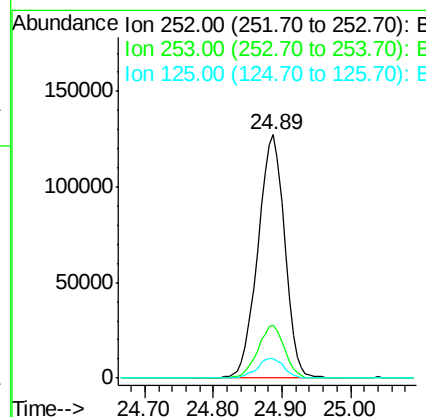
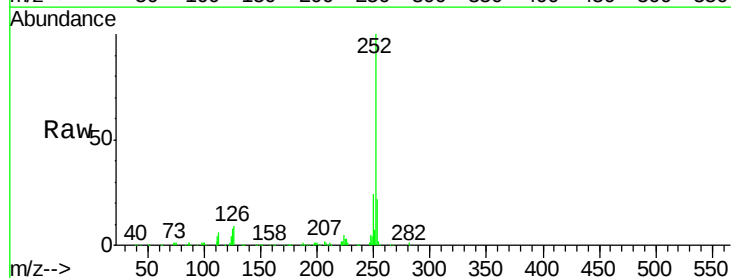
Instrument :  
BNA\_F  
ClientSampleId :  
SP3516DL 5X

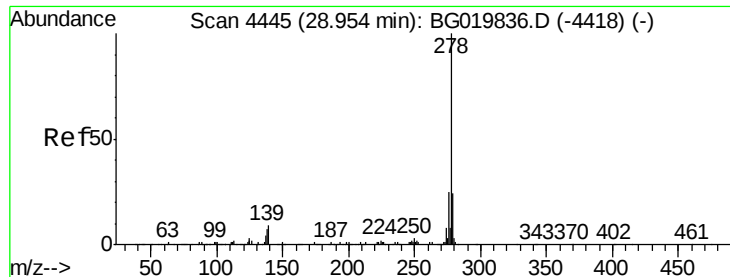
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.3  | 19.0  | 28.4  |
| 125     | 8.0   | 8.9   | 13.3# |



#89  
Benzo(a)pyrene  
Concen: 35.57 ng  
RT: 24.89 min Scan# 3753  
Delta R.T. -0.05 min  
Lab File: BG020010.D  
Acq: 8 Dec 2015 9:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.7  | 18.7  | 28.1  |
| 125     | 8.1   | 9.1   | 13.7# |





#90

Dibenzo(a,h)anthracene

Concen: 34.21 ng

RT: 28.85 min Scan# 4427

Delta R.T. -0.11 min

Lab File: BG020010.D

Acq: 8 Dec 2015 9:55

Instrument :

BNA\_F

ClientSampleId :

SP3516DL 5X

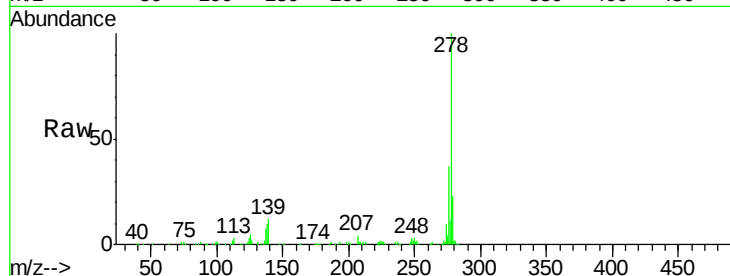
Tgt Ion: 278 Resp: 330120

Ion Ratio Lower Upper

278 100

139 11.9 13.8 20.6#

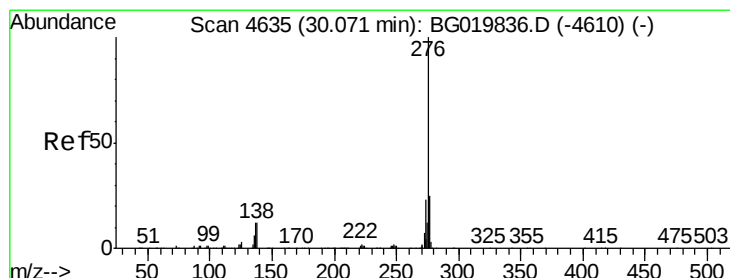
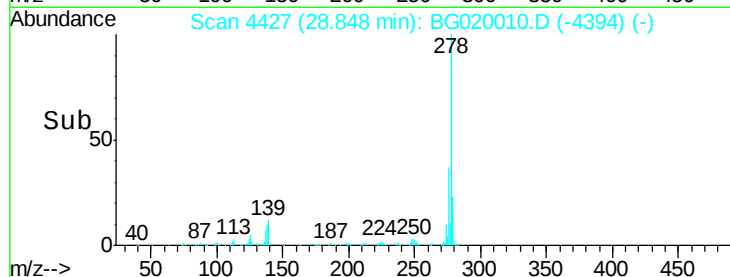
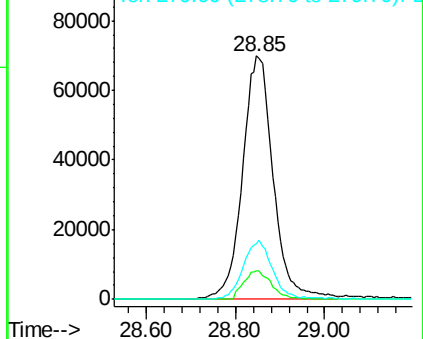
279 23.0 19.4 29.0



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



#91

Benzo(g,h,i)perylene

Concen: 34.11 ng

RT: 29.96 min Scan# 4616

Delta R.T. -0.11 min

Lab File: BG020010.D

Acq: 8 Dec 2015 9:55

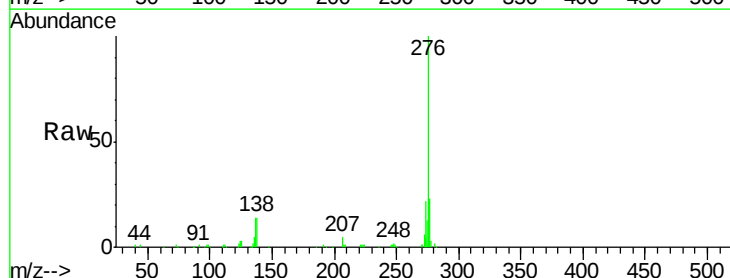
Tgt Ion: 276 Resp: 323219

Ion Ratio Lower Upper

276 100

277 23.5 18.4 27.6

138 14.1 17.4 26.0#



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

