

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG120617\  
 Data File : BG031389.D  
 Acq On : 7 Dec 2017 4:02  
 Operator : SJ/JU  
 Sample : SSTDC0040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Dec 07 04:54:09 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG111017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 06 17:58:37 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.12  | 152  | 67674    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.94 | 136  | 306144   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 14.75 | 164  | 206136   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 17.49 | 188  | 512729   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 21.77 | 240  | 538412   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 25.07 | 264  | 530919   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |       |    |      |
|--------------------------|-------|-----|---------|-------|----|------|
| 5) 2-Fluorophenol        | 5.68  | 112 | 322677  | 81.76 | ng | 0.00 |
| 7) Phenol-d6             | 7.29  | 99  | 441401  | 83.02 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 9.30  | 82  | 419377  | 81.17 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.24 | 330 | 204819  | 61.42 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 13.38 | 172 | 1125471 | 78.45 | ng | 0.00 |
| 78) Terphenyl-d14        | 20.09 | 244 | 1848809 | 75.82 | ng | 0.00 |

## Target Compounds

|                                |       |     |        |        |    | Qvalue |
|--------------------------------|-------|-----|--------|--------|----|--------|
| 2) 1,4-Dioxane                 | 3.53  | 88  | 60824  | 37.978 | ng | 86     |
| 3) Pyridine                    | 3.95  | 79  | 180928 | 38.913 | ng | 95     |
| 4) n-Nitrosodimethylamine      | 3.86  | 42  | 91487  | 41.518 | ng | # 87   |
| 6) Aniline                     | 7.45  | 93  | 279847 | 39.994 | ng | 95     |
| 8) 2-Chlorophenol              | 7.69  | 128 | 176056 | 40.424 | ng | 91     |
| 9) Benzaldehyde                | 7.26  | 77  | 132590 | 35.636 | ng | 89     |
| 10) Phenol                     | 7.32  | 94  | 226603 | 41.040 | ng | 92     |
| 11) bis(2-Chloroethyl)ether    | 7.54  | 93  | 179965 | 40.820 | ng | 89     |
| 12) 1,3-Dichlorobenzene        | 8.02  | 146 | 203884 | 39.900 | ng | 95     |
| 13) 1,4-Dichlorobenzene        | 8.16  | 146 | 212164 | 40.974 | ng | 96     |
| 14) 1,2-Dichlorobenzene        | 8.48  | 146 | 201522 | 40.548 | ng | 96     |
| 15) Benzyl Alcohol             | 8.36  | 79  | 165251 | 38.748 | ng | 93     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.65  | 45  | 192260 | 39.481 | ng | 91     |
| 17) 2-Methylphenol             | 8.58  | 107 | 153686 | 39.970 | ng | 96     |
| 18) Hexachloroethane           | 9.21  | 117 | 72337  | 40.138 | ng | 97     |
| 19) n-Nitroso-di-n-propylamine | 8.93  | 70  | 156508 | 38.714 | ng | # 96   |
| 20) 3+4-Methylphenols          | 8.90  | 107 | 220532 | 40.336 | ng | 96     |
| 22) Acetophenone               | 8.95  | 105 | 301706 | 39.580 | ng | # 95   |
| 24) Nitrobenzene               | 9.34  | 77  | 212509 | 40.267 | ng | # 91   |
| 25) Isophorone                 | 9.86  | 82  | 380502 | 37.763 | ng | # 94   |
| 26) 2-Nitrophenol              | 10.06 | 139 | 116921 | 42.503 | ng | 89     |
| 27) 2,4-Dimethylphenol         | 10.11 | 122 | 159815 | 39.133 | ng | 95     |
| 28) bis(2-Chloroethoxy)methane | 10.33 | 93  | 254681 | 40.132 | ng | 98     |
| 29) 2,4-Dichlorophenol         | 10.60 | 162 | 199756 | 40.733 | ng | 93     |
| 30) 1,2,4-Trichlorobenzene     | 10.80 | 180 | 235480 | 40.219 | ng | 97     |
| 31) Naphthalene                | 10.99 | 128 | 597489 | 39.701 | ng | 98     |
| 32) Benzoic acid               | 10.25 | 122 | 27978  | 12.917 | ng | # 81   |
| 33) 4-Chloroaniline            | 11.10 | 127 | 267039 | 40.533 | ng | 94     |
| 34) Hexachlorobutadiene        | 11.27 | 225 | 158070 | 38.928 | ng | 97     |
| 35) Caprolactam                | 11.88 | 113 | 70348  | 35.115 | ng | # 83   |
| 36) 4-Chloro-3-methylphenol    | 12.22 | 107 | 207563 | 38.888 | ng | 88     |
| 37) 2-Methylnaphthalene        | 12.59 | 142 | 455042 | 39.167 | ng | 95     |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.95 | 216 | 332672 | 40.662 | ng | # 96   |
| 40) Hexachlorocyclopentadiene  | 12.93 | 237 | 88932  | 36.132 | ng | 89     |

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 Sample : SSTDC0040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

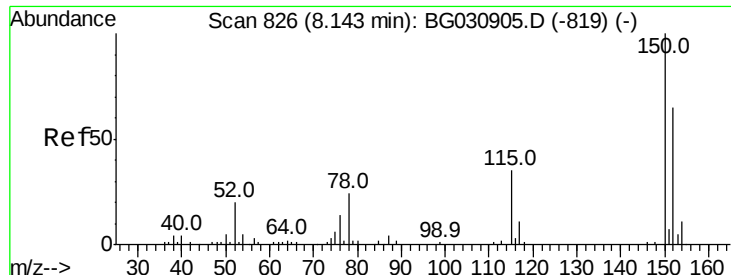
Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Dec 07 04:54:09 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG111017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 06 17:58:37 2017  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 13.19 | 196  | 186108   | 39.792 | ng    | 99       |
| 43) 2,4,5-Trichlorophenol      | 13.28 | 196  | 195460   | 38.196 | ng    | 94       |
| 45) 1,1'-Biphenyl              | 13.59 | 154  | 674392   | 39.453 | ng    | 96       |
| 46) 2-Chloronaphthalene        | 13.63 | 162  | 492015   | 39.894 | ng    | 97       |
| 47) 2-Nitroaniline             | 13.84 | 65   | 146838   | 40.169 | ng    | # 81     |
| 48) Acenaphthylene             | 14.47 | 152  | 790124   | 39.143 | ng    | 99       |
| 49) Dimethylphthalate          | 14.20 | 163  | 677670   | 38.022 | ng    | 99       |
| 50) 2,6-Dinitrotoluene         | 14.33 | 165  | 146761   | 39.950 | ng    | # 77     |
| 51) Acenaphthene               | 14.82 | 154  | 492008   | 39.028 | ng    | 99       |
| 52) 3-Nitroaniline             | 14.66 | 138  | 153908   | 39.456 | ng    | # 78     |
| 53) 2,4-Dinitrophenol          | 14.90 | 184  | 9870     | 10.391 | ng    | # 43     |
| 54) Dibenzofuran               | 15.15 | 168  | 786972   | 39.191 | ng    | 99       |
| 55) 4-Nitrophenol              | 14.99 | 139  | 106874   | 38.462 | ng    | # 81     |
| 56) 2,4-Dinitrotoluene         | 15.12 | 165  | 211241   | 39.775 | ng    | # 75     |
| 57) Fluorene                   | 15.80 | 166  | 635514   | 38.983 | ng    | 98       |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.38 | 232  | 183144   | 37.551 | ng    | # 89     |
| 59) Diethylphthalate           | 15.55 | 149  | 678148   | 37.457 | ng    | 98       |
| 60) 4-Chlorophenyl-phenylether | 15.78 | 204  | 388240   | 39.432 | ng    | 92       |
| 61) 4-Nitroaniline             | 15.83 | 138  | 157726   | 38.186 | ng    | 90       |
| 62) Azobenzene                 | 16.07 | 77   | 551403   | 39.935 | ng    | 95       |
| 64) 4,6-Dinitro-2-methylphenol | 15.89 | 198  | 54493    | 15.989 | ng    | 79       |
| 65) n-Nitrosodiphenylamine     | 16.00 | 169  | 613256   | 39.471 | ng    | 99       |
| 66) 4-Bromophenyl-phenylether  | 16.67 | 248  | 243585   | 37.510 | ng    | 99       |
| 67) Hexachlorobenzene          | 16.81 | 284  | 246913   | 35.784 | ng    | 95       |
| 68) Atrazine                   | 16.94 | 200  | 232037   | 36.197 | ng    | 97       |
| 69) Pentachlorophenol          | 17.15 | 266  | 114128   | 29.922 | ng    | 95       |
| 70) Phenanthrene               | 17.54 | 178  | 1032297  | 38.668 | ng    | 97       |
| 71) Anthracene                 | 17.63 | 178  | 1052994  | 39.365 | ng    | 99       |
| 72) Carbazole                  | 17.89 | 167  | 961353   | 38.355 | ng    | 99       |
| 73) Di-n-butylphthalate        | 18.43 | 149  | 1141910  | 37.105 | ng    | 99       |
| 74) Fluoranthene               | 19.54 | 202  | 1302108  | 38.523 | ng    | 97       |
| 76) Benzidine                  | 19.71 | 184  | 554413   | 32.056 | ng    | 97       |
| 77) Pyrene                     | 19.90 | 202  | 1336796  | 41.841 | ng    | 97       |
| 79) Butylbenzylphthalate       | 20.76 | 149  | 513890   | 40.341 | ng    | 86       |
| 80) Benzo(a)anthracene         | 21.75 | 228  | 1312757  | 39.253 | ng    | 98       |
| 81) 3,3'-Dichlorobenzidine     | 21.65 | 252  | 484088   | 35.858 | ng    | 95       |
| 82) Chrysene                   | 21.82 | 228  | 1226430  | 39.643 | ng    | 98       |
| 83) Bis(2-ethylhexyl)phthalate | 21.62 | 149  | 731222   | 39.766 | ng    | 99       |
| 84) Di-n-octyl phthalate       | 22.85 | 149  | 1214573  | 40.582 | ng    | 95       |
| 85) Indeno(1,2,3-cd)pyrene     | 28.86 | 276  | 1375012  | 36.560 | ng    | # 79     |
| 87) Benzo(b)fluoranthene       | 24.09 | 252  | 1282109  | 39.922 | ng    | 98       |
| 88) Benzo(k)fluoranthene       | 24.09 | 252  | 1282109  | 40.277 | ng    | 97       |
| 89) Benzo(a)pyrene             | 24.92 | 252  | 1227983  | 40.250 | ng    | 98       |
| 90) Dibenzo(a,h)anthracene     | 28.92 | 278  | 1152633  | 36.963 | ng    | 97       |
| 91) Benzo(g,h,i)perylene       | 30.04 | 276  | 1115694  | 36.863 | ng    | 99       |

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





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.12 min Scan# 823

Delta R.T. -0.01 min

Lab File: BG031389.D

Acq: 7 Dec 2017 4:02

Instrument :

BNA\_G

ClientSampleId :

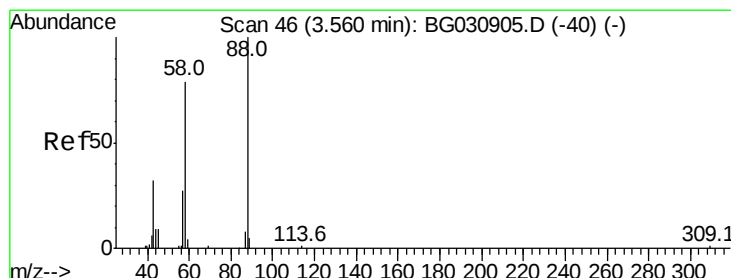
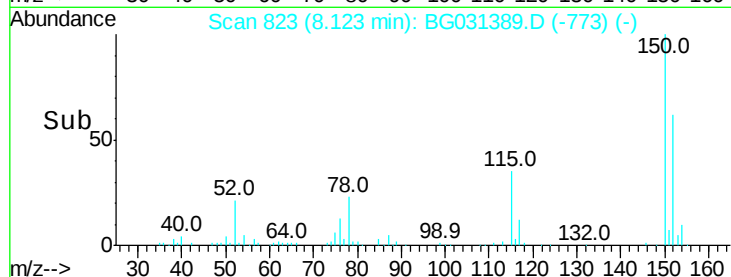
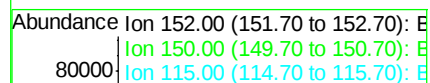
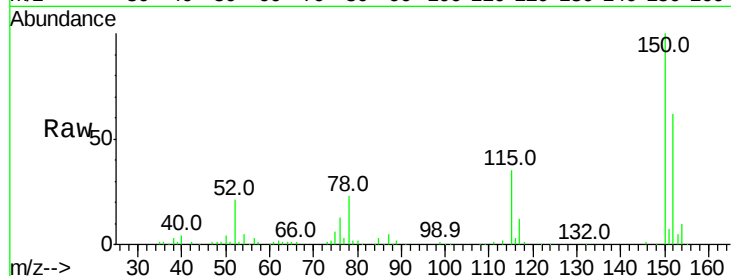
Tot Ion:152 Resp: 67674

Ion Ratio Lower Upper

152 100

150 162.2 126.6 189.8

115 57.1 53.0 79.4



#2

1,4-Dioxane

Concen: 37.978 ng

RT: 3.53 min Scan# 42

Delta R.T. -0.01 min

Lab File: BG031389.D

Acq: 7 Dec 2017 4:02

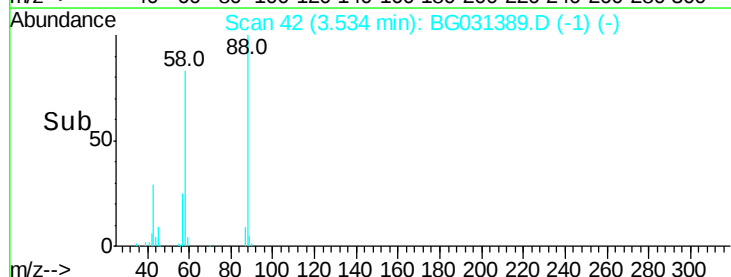
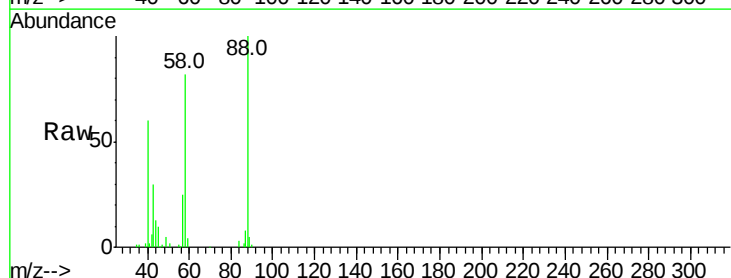
Tgt Ion: 88 Resp: 60824

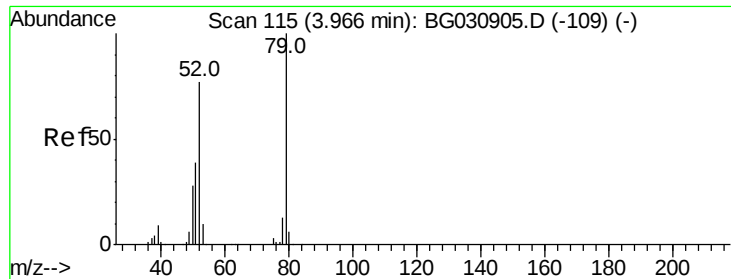
Ion Ratio Lower Upper

88 100

58 81.5 79.6 119.4

43 33.9 27.4 41.0





#3

Pvridine

Concen: 38.913 ng

RT: 3.95 min Scan# 112

Delta R.T. 0.00 min

Lab File: BG031389.D

Acq: 7 Dec 2017 4:02

Instrument :

BNA\_G

ClientSampleId :

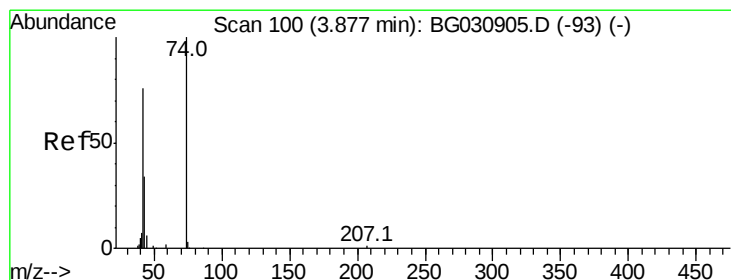
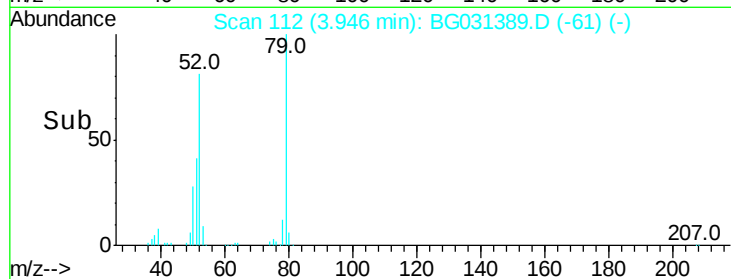
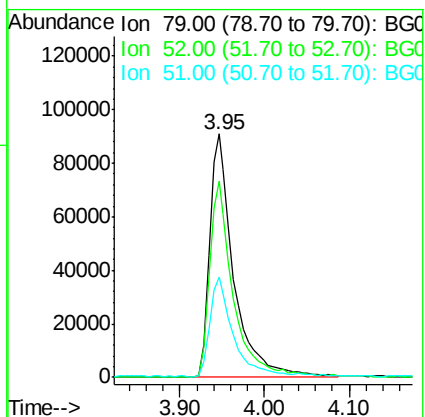
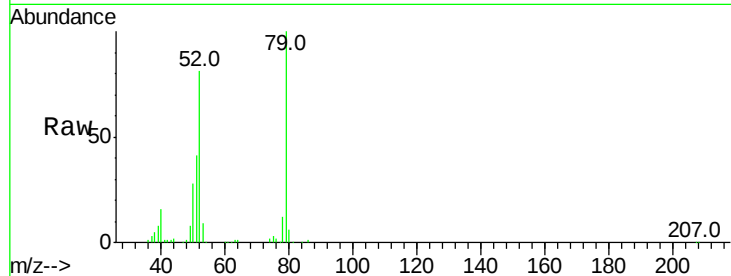
Tot Ion: 79 Resp: 180928

Ion Ratio Lower Upper

79 100

52 80.8 69.9 104.9

51 41.3 34.0 51.0



#4

n-Nitrosodimethylamine

Concen: 41.518 ng

RT: 3.86 min Scan# 97

Delta R.T. -0.01 min

Lab File: BG031389.D

Acq: 7 Dec 2017 4:02

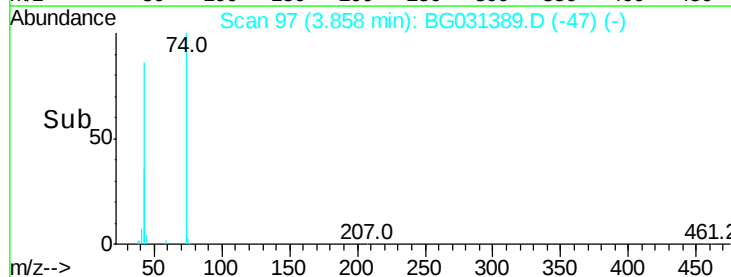
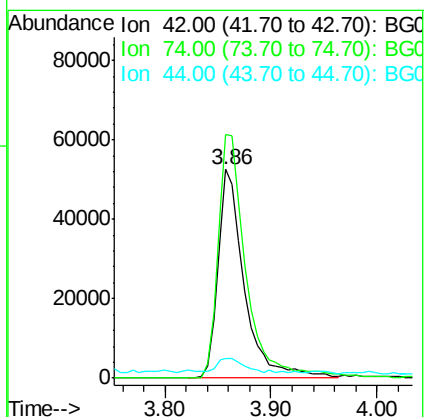
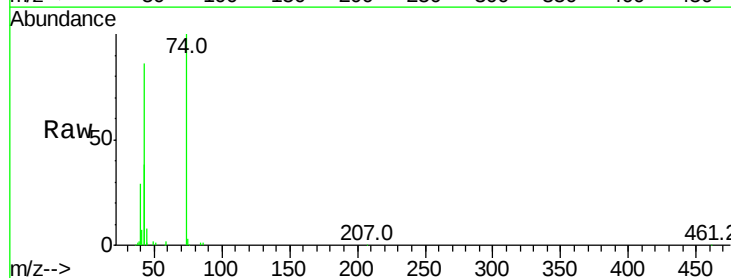
Tgt Ion: 42 Resp: 91487

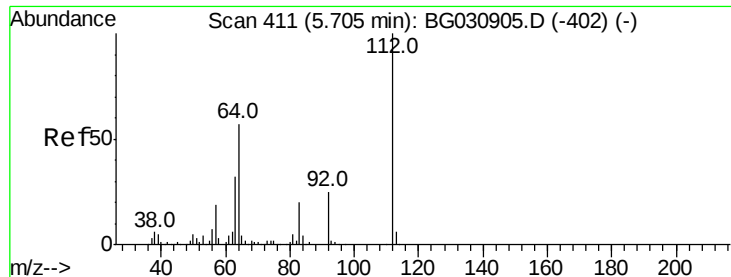
Ion Ratio Lower Upper

42 100

74 116.6 102.5 153.7

44 9.5 18.9 28.3#





#5

2-Fluorophenol

Concen: 81.762 ng

RT: 5.68 min Scan# 408

Delta R.T. 0.00 min

Lab File: BG031389.D

Acq: 7 Dec 2017 4:02

Instrument :

BNA\_G

ClientSampleId :

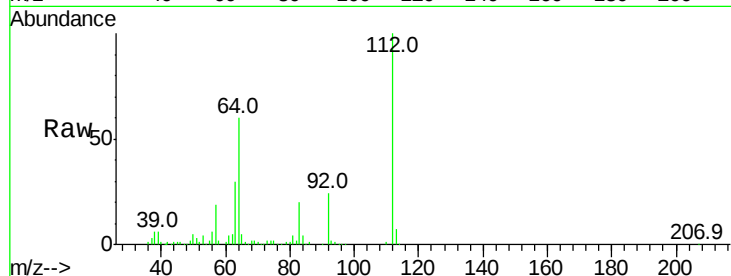
Tot Ion:112 Resp: 322677

Ion Ratio Lower Upper

112 100

64 59.6 56.3 84.5

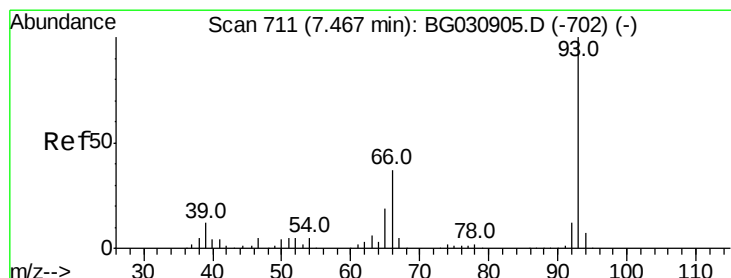
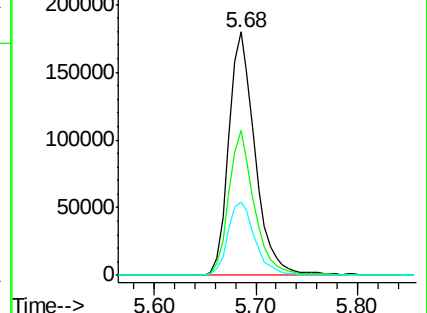
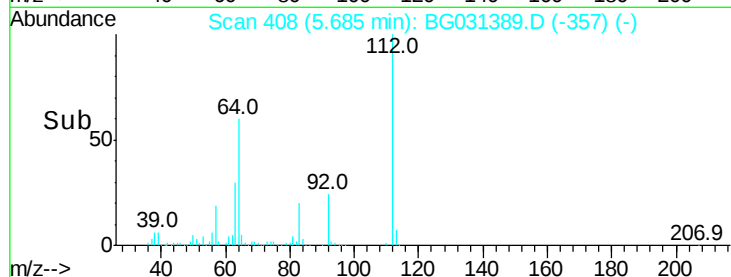
63 29.9 30.1 45.1#



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 39.994 ng

RT: 7.45 min Scan# 708

Delta R.T. 0.00 min

Lab File: BG031389.D

Acq: 7 Dec 2017 4:02

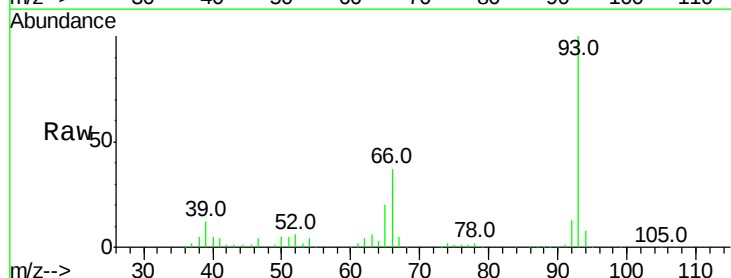
Tgt Ion: 93 Resp: 279847

Ion Ratio Lower Upper

93 100

66 37.3 33.7 50.5

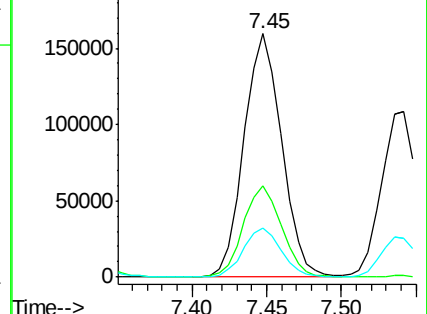
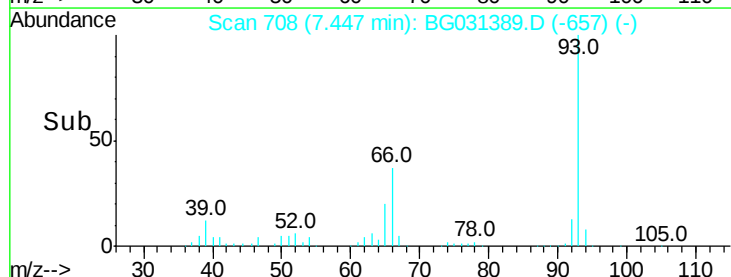
65 20.1 16.1 24.1

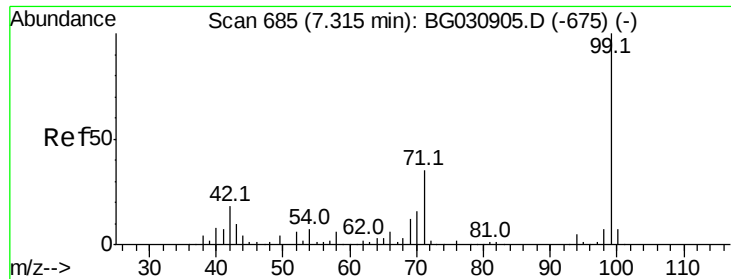


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 83.019 ng

RT: 7.29 min Scan# 682

Delta R.T. 0.00 min

Lab File: BG031389.D

Acq: 7 Dec 2017 4:02

Instrument :

BNA\_G

ClientSampleId :

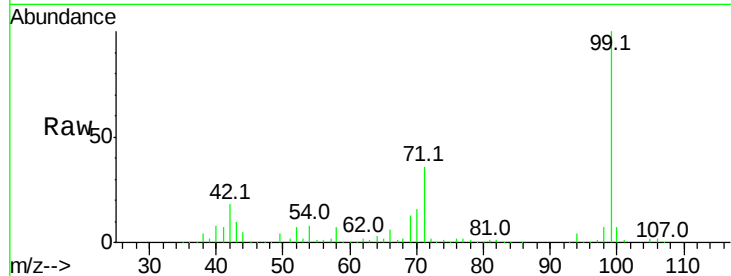
Tot Ion: 99 Resp: 441401

Ion Ratio Lower Upper

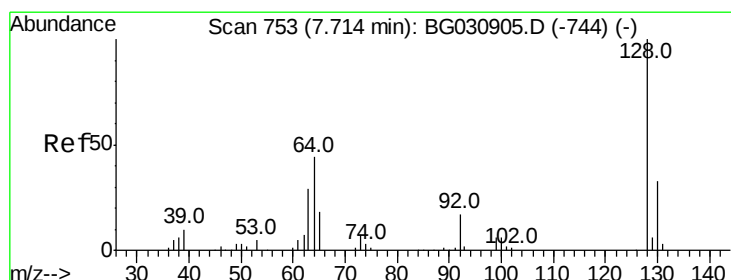
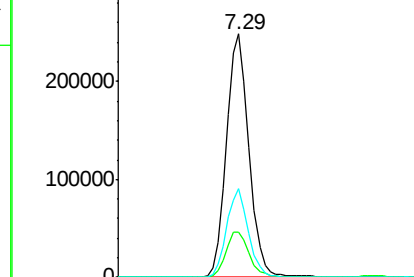
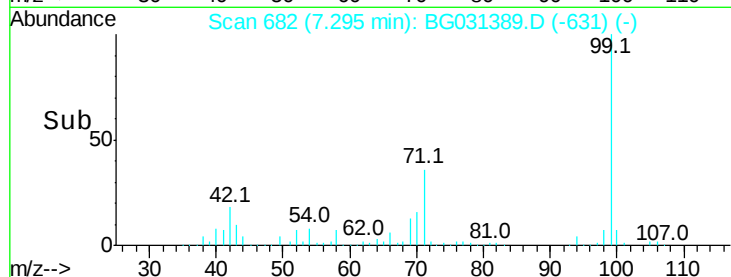
99 100

42 18.3 14.1 21.1

71 36.4 26.1 39.1



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: 40.424 ng

RT: 7.69 min Scan# 750

Delta R.T. 0.00 min

Lab File: BG031389.D

Acq: 7 Dec 2017 4:02

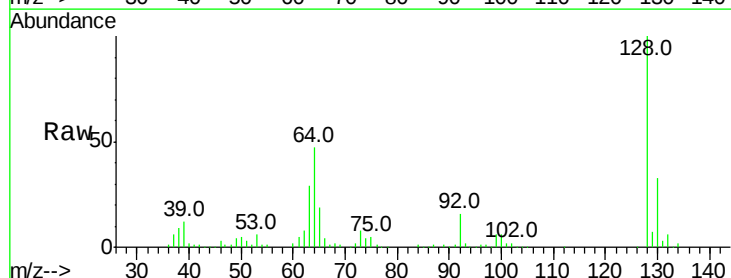
Tgt Ion:128 Resp: 176056

Ion Ratio Lower Upper

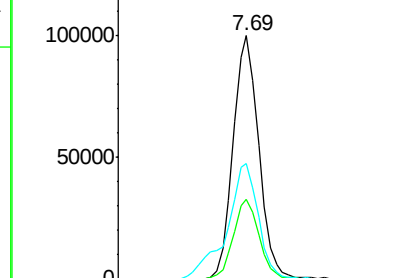
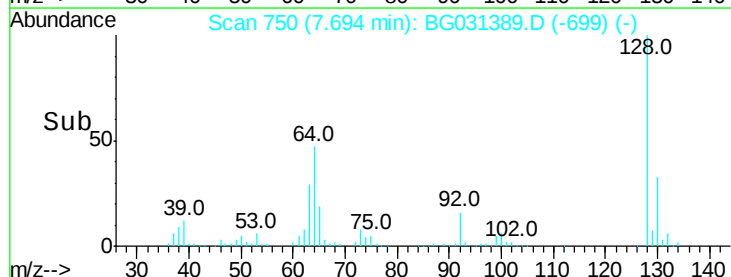
128 100

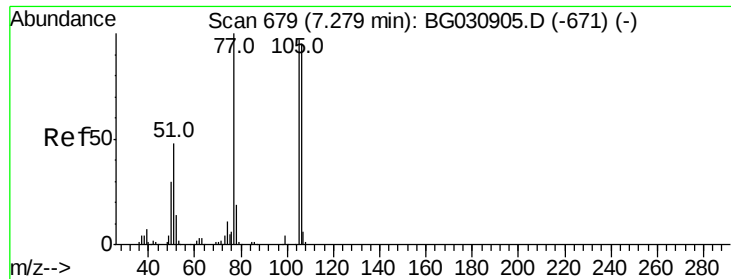
130 33.0 14.0 54.0

64 47.5 37.7 77.7



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: 35.636 ng

RT: 7.26 min Scan# 676

Delta R.T. -0.01 min

Lab File: BG031389.D

Acq: 7 Dec 2017 4:02

Instrument :

BNA\_G

ClientSampleId :

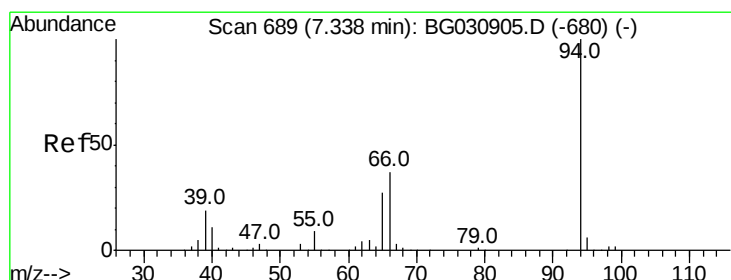
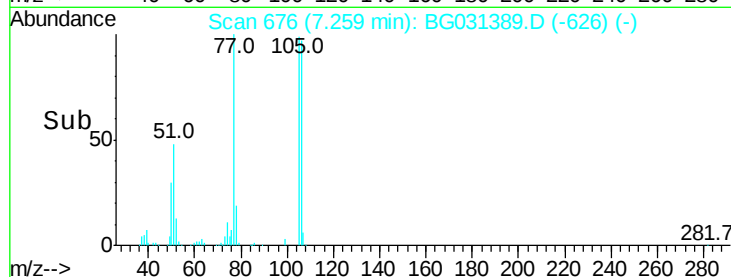
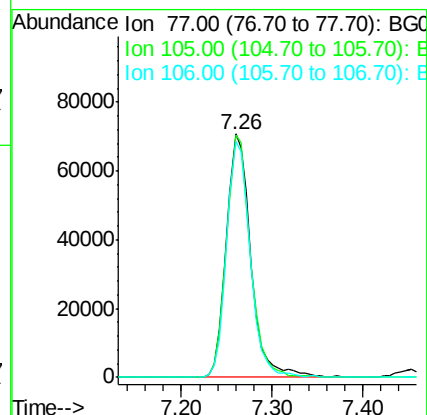
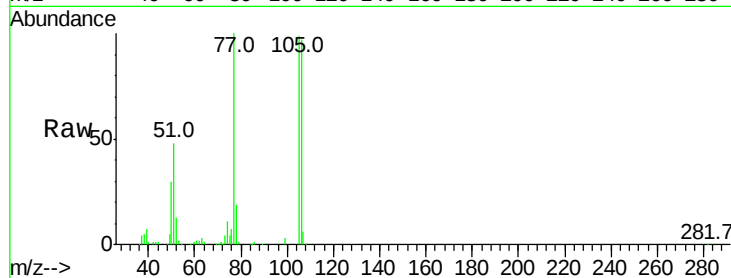
Tot Ion: 77 Resp: 132590

Ion Ratio Lower Upper

77 100

105 99.5 71.3 111.3

106 96.9 64.2 104.2



#10

Phenol

Concen: 41.040 ng

RT: 7.32 min Scan# 687

Delta R.T. 0.00 min

Lab File: BG031389.D

Acq: 7 Dec 2017 4:02

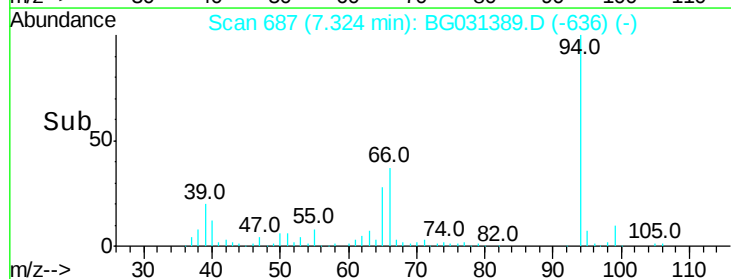
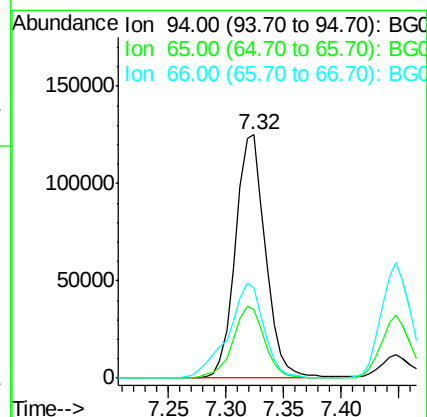
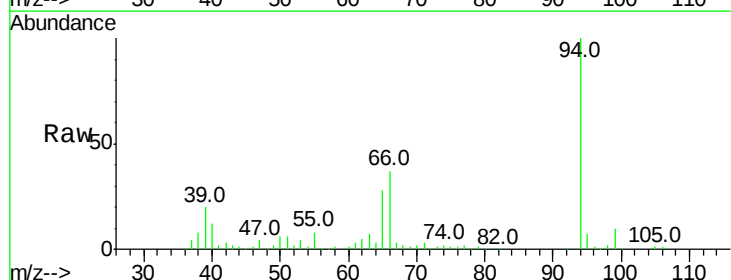
Tgt Ion: 94 Resp: 226603

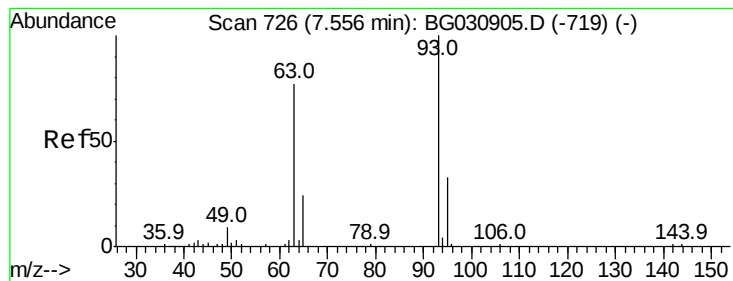
Ion Ratio Lower Upper

94 100

65 27.9 11.9 51.9

66 37.1 22.2 62.2





#11

bis(2-Chloroethyl)ether

Concen: 40.820 ng

RT: 7.54 min Scan# 724

Delta R.T. 0.00 min

Lab File: BG031389.D

Acq: 7 Dec 2017 4:02

Instrument :

BNA\_G

ClientSampleId :

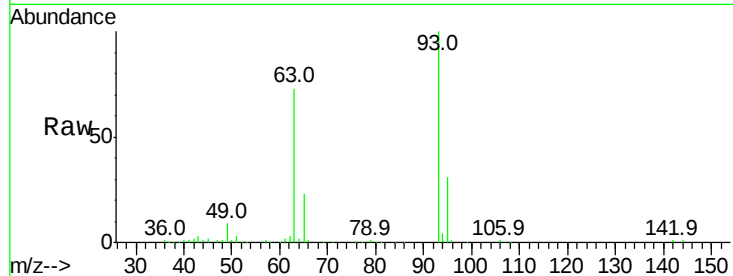
Tot Ion: 93 Resp: 179965

Ion Ratio Lower Upper

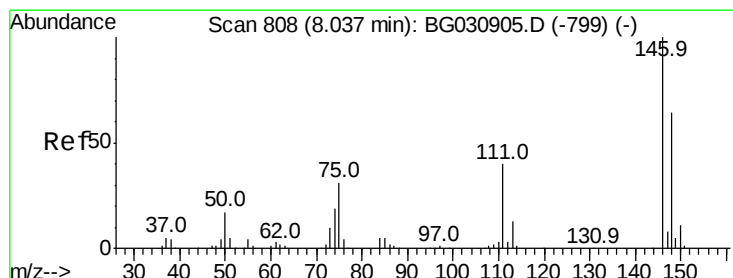
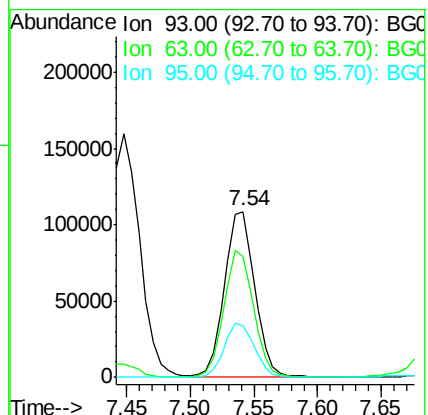
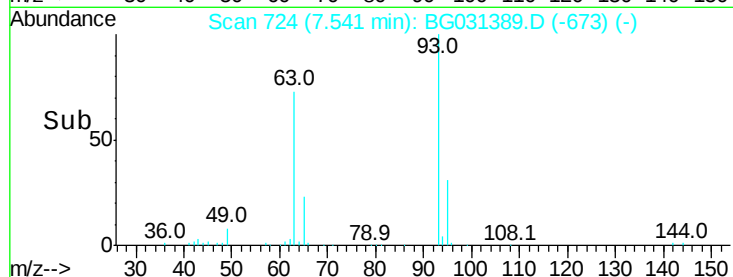
93 100

63 73.0 67.1 107.1

95 31.2 11.5 51.5



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



#12

1,3-Dichlorobenzene

Concen: 39.900 ng

RT: 8.02 min Scan# 805

Delta R.T. 0.00 min

Lab File: BG031389.D

Acq: 7 Dec 2017 4:02

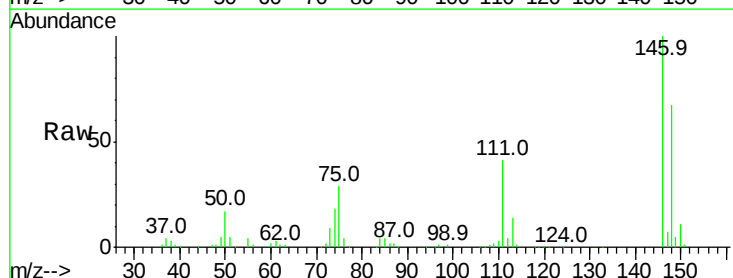
Tgt Ion:146 Resp: 203884

Ion Ratio Lower Upper

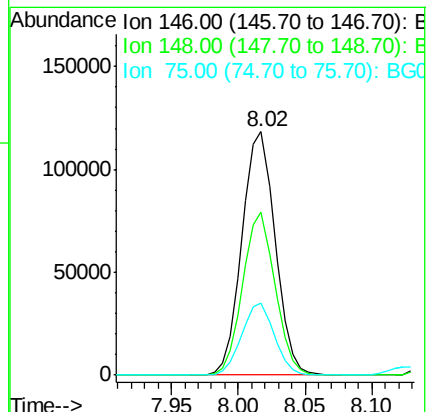
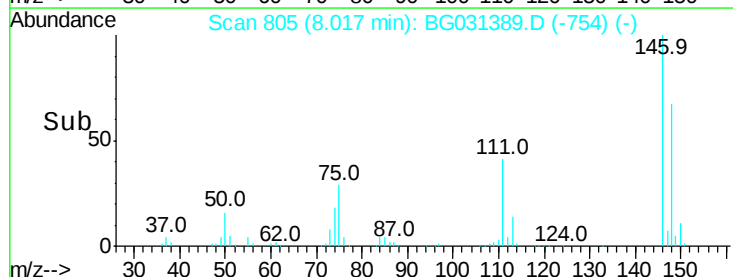
146 100

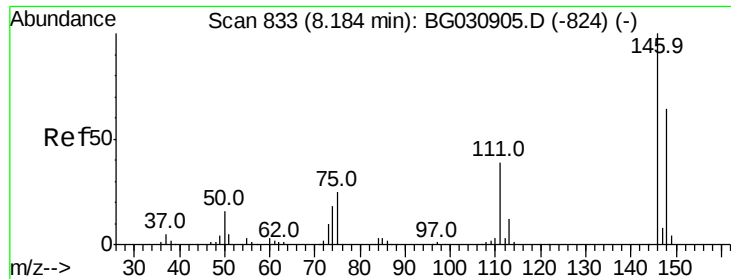
148 67.0 51.4 77.2

75 29.4 26.6 39.8



Abundance Ion 146.00 (145.70 to 146.70): BGC  
Ion 148.00 (147.70 to 148.70): BGC  
Ion 75.00 (74.70 to 75.70): BGC

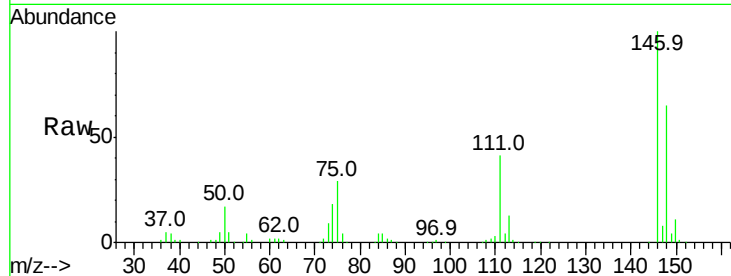




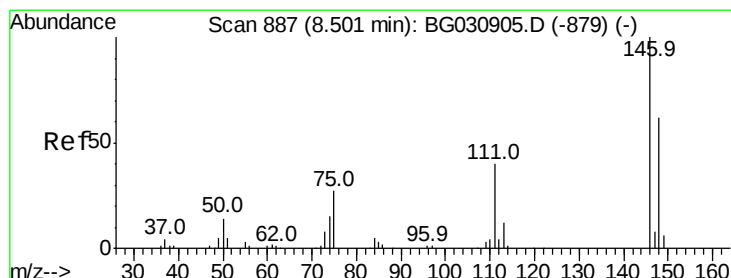
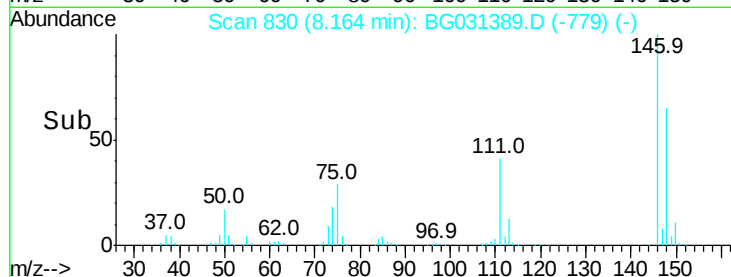
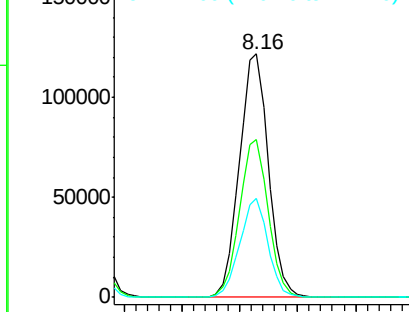
#13  
 1,4-Dichlorobenzene  
 Concen: 40.974 ng  
 RT: 8.16 min Scan# 830  
 Delta R.T. 0.00 min  
 Lab File: BG031389.D  
 Acq: 7 Dec 2017 4:02

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:146 Resp: 212164  
 Ion Ratio Lower Upper  
 146 100  
 148 64.8 53.7 80.5  
 111 40.9 35.2 52.8

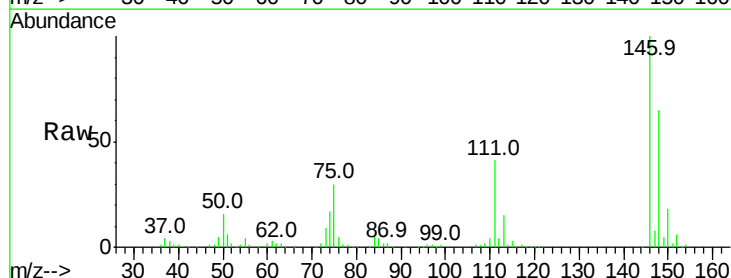


Abundance Ion 146.00 (145.70 to 146.70): E  
 Ion 148.00 (147.70 to 148.70): E  
 Ion 111.00 (110.70 to 111.70): E

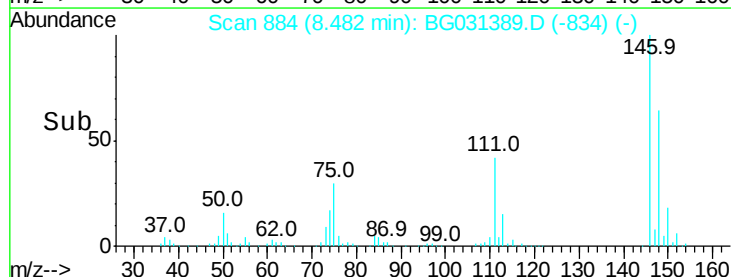
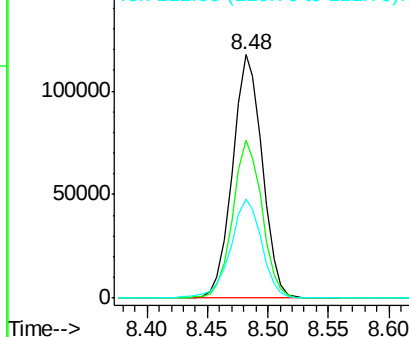


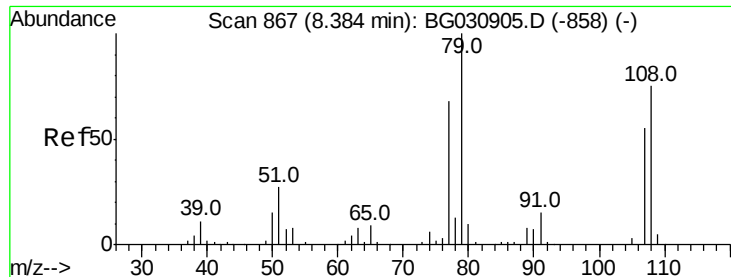
#14  
 1,2-Dichlorobenzene  
 Concen: 40.548 ng  
 RT: 8.48 min Scan# 884  
 Delta R.T. -0.01 min  
 Lab File: BG031389.D  
 Acq: 7 Dec 2017 4:02

Tgt Ion:146 Resp: 201522  
 Ion Ratio Lower Upper  
 146 100  
 148 64.7 49.3 73.9  
 111 40.7 34.3 51.5



Abundance Ion 146.00 (145.70 to 146.70): E  
 Ion 148.00 (147.70 to 148.70): E  
 Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 38.748 ng

RT: 8.36 min Scan# 864

Delta R.T. -0.01 min

Lab File: BG031389.D

Acq: 7 Dec 2017 4:02

Instrument :

BNA\_G

ClientSampleId :

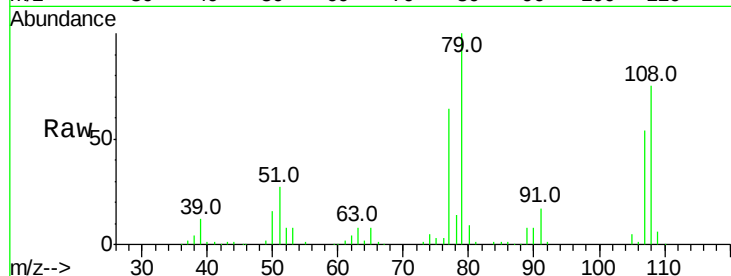
Tot Ion: 79 Resp: 165251

Ion Ratio Lower Upper

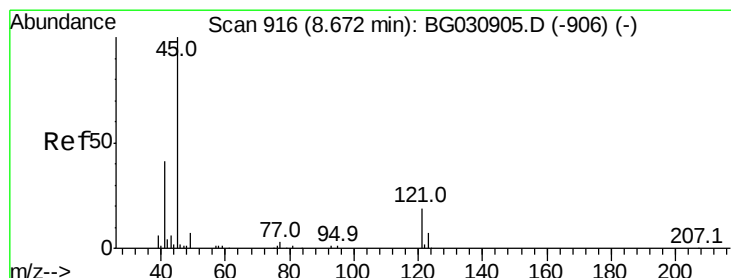
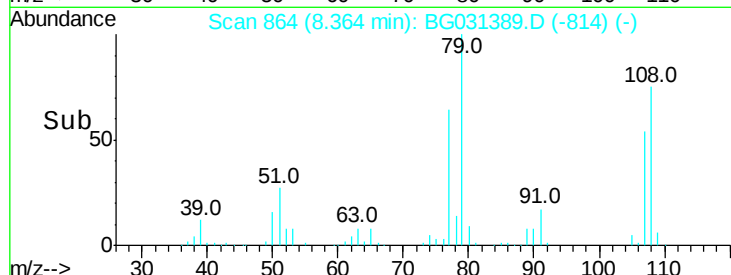
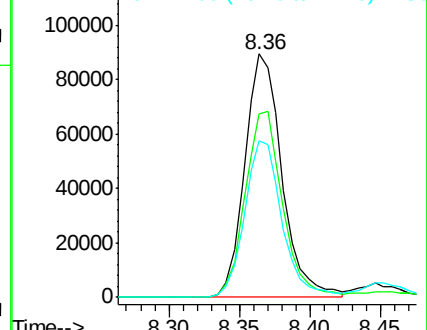
79 100

108 75.5 57.2 85.8

77 64.4 46.1 69.1



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



#16

2,2'-oxybis(1-chloropropane)

Concen: 39.481 ng

RT: 8.65 min Scan# 912

Delta R.T. -0.01 min

Lab File: BG031389.D

Acq: 7 Dec 2017 4:02

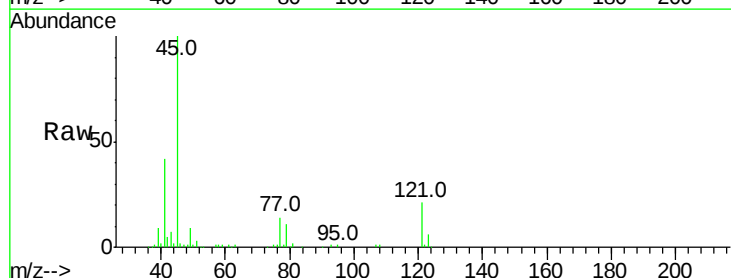
Tgt Ion: 45 Resp: 192260

Ion Ratio Lower Upper

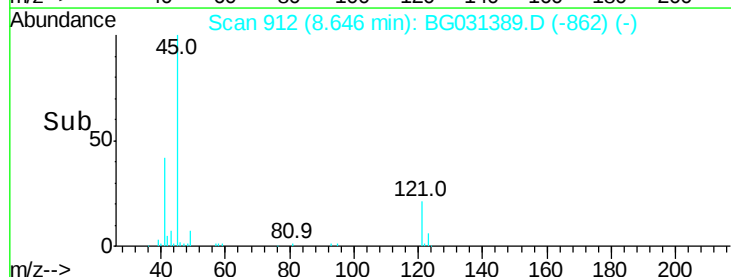
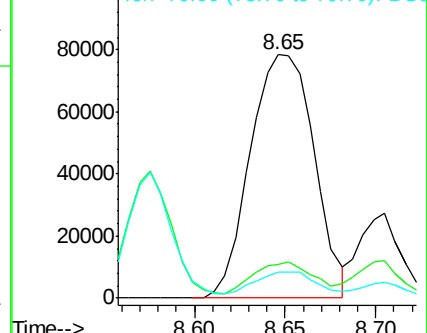
45 100

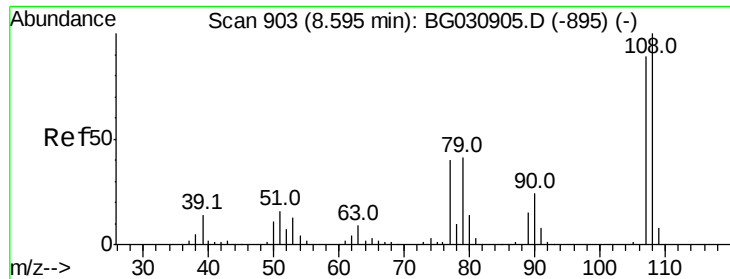
77 13.7 0.0 30.2

79 10.6 0.0 27.9



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

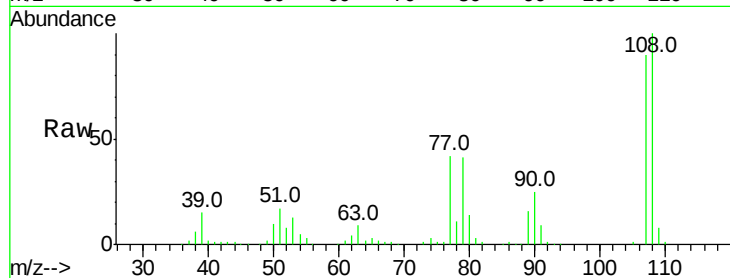




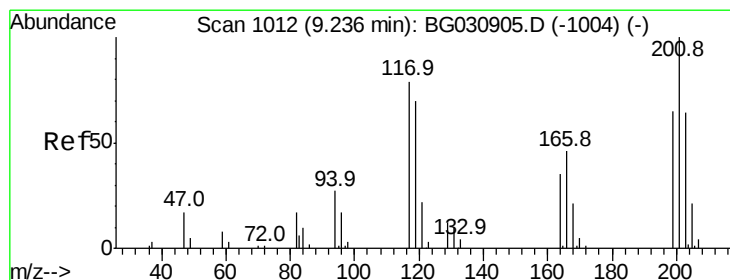
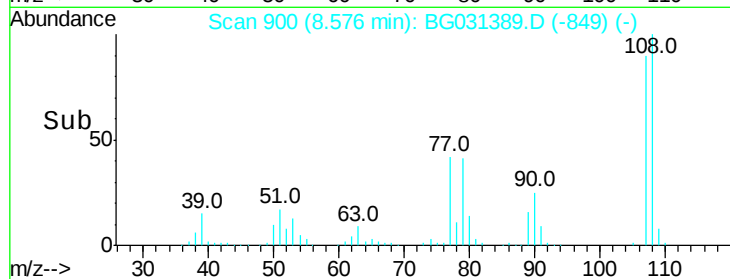
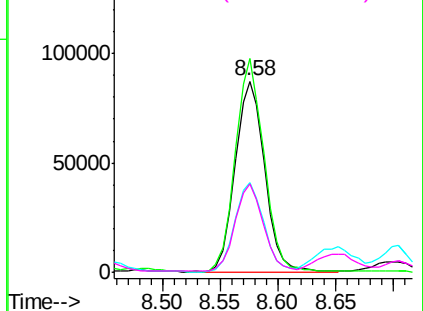
#17  
2-Methylphenol  
Concen: 39.970 ng  
RT: 8.58 min Scan# 900  
Delta R.T. 0.00 min  
Lab File: BG031389.D  
Acq: 7 Dec 2017 4:02

Instrument :  
BNA\_G  
ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 111.6 | 83.9  | 125.9 |
| 77      | 46.7  | 37.2  | 55.8  |
| 79      | 46.3  | 36.2  | 54.2  |

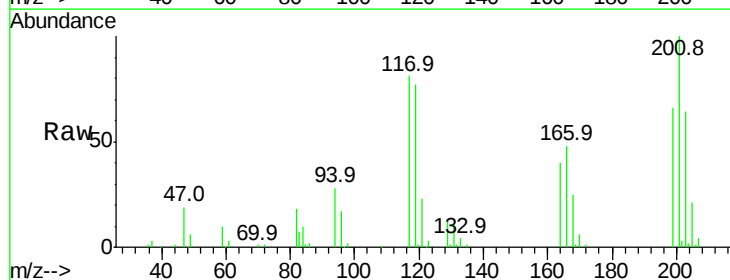


Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 77.00 (76.70 to 77.70): BG  
Ion 79.00 (78.70 to 79.70): BG

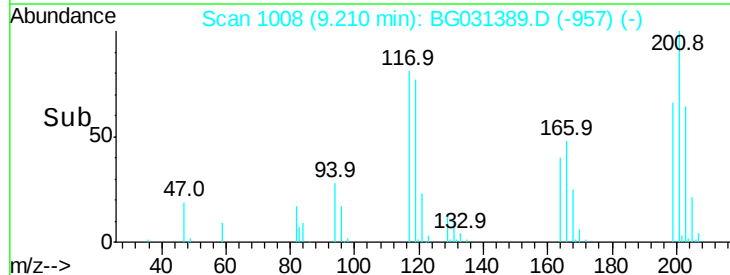
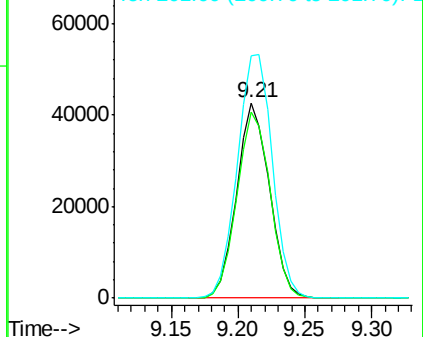


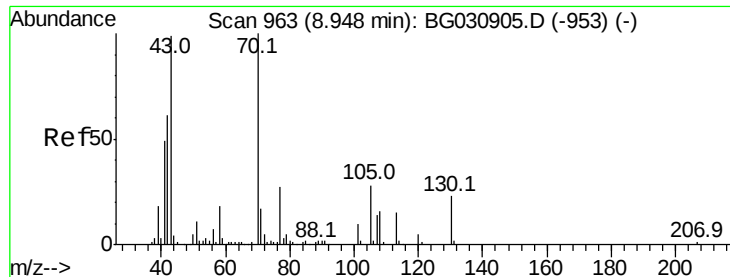
#18  
Hexachloroethane  
Concen: 40.138 ng  
RT: 9.21 min Scan# 1008  
Delta R.T. 0.00 min  
Lab File: BG031389.D  
Acq: 7 Dec 2017 4:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 94.9  | 76.7  | 115.1 |
| 201     | 123.8 | 95.7  | 143.5 |



Abundance Ion 117.00 (116.70 to 117.70): E  
Ion 119.00 (118.70 to 119.70): E  
Ion 201.00 (200.70 to 201.70): E

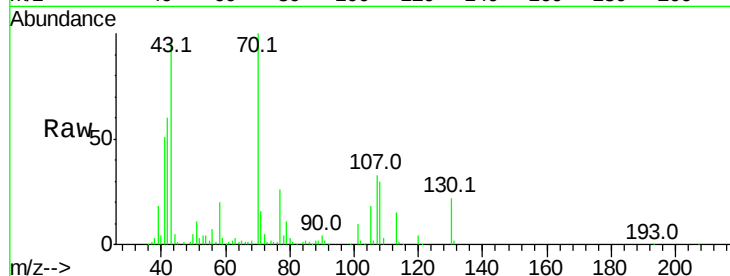




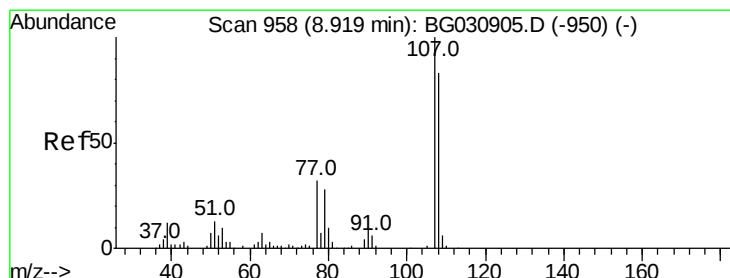
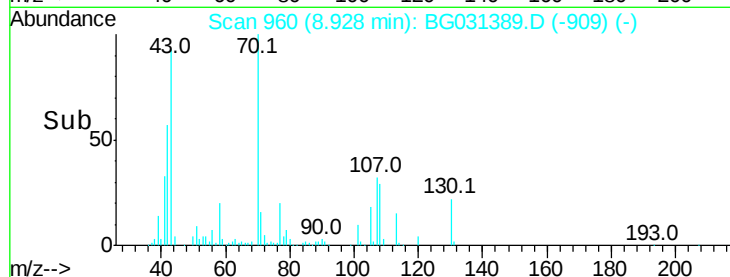
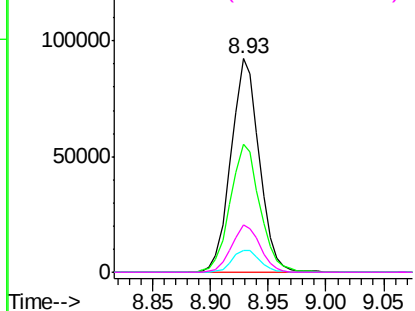
#19  
n-Nitroso-di-n-propylamine  
Concen: 38.714 ng  
RT: 8.93 min Scan# 960  
Delta R.T. 0.00 min  
Lab File: BG031389.D  
Acq: 7 Dec 2017 4:02

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion: 70 Resp: 156508  
Ion Ratio Lower Upper  
70 100  
42 59.7 49.1 73.7  
101 10.1 8.5 12.7  
130 22.2 13.4 20.0#



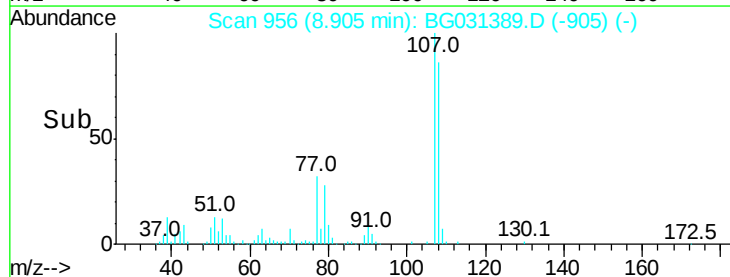
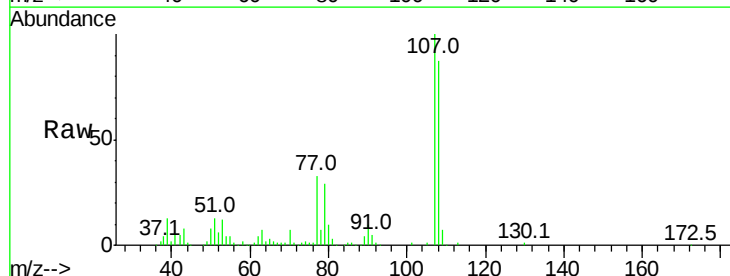
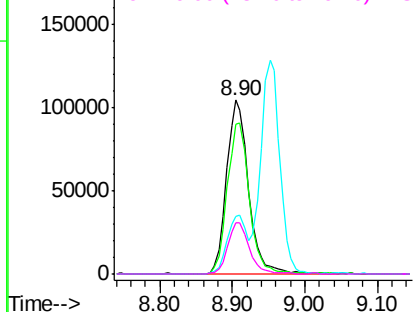
Abundance Ion 70.00 (69.70 to 70.70): BGC  
Ion 42.00 (41.70 to 42.70): BGC  
Ion 101.00 (100.70 to 101.70): BGC  
Ion 130.00 (129.70 to 130.70): BGC

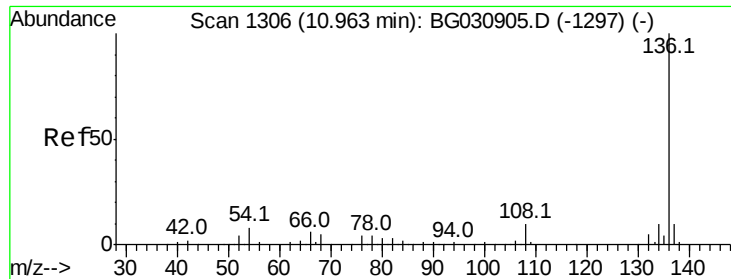


#20  
3+4-Methylphenols  
Concen: 40.336 ng  
RT: 8.90 min Scan# 956  
Delta R.T. 0.00 min  
Lab File: BG031389.D  
Acq: 7 Dec 2017 4:02

Tgt Ion: 107 Resp: 220532  
Ion Ratio Lower Upper  
107 100  
108 86.6 61.6 101.6  
77 33.0 13.9 53.9  
79 29.4 8.8 48.8

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

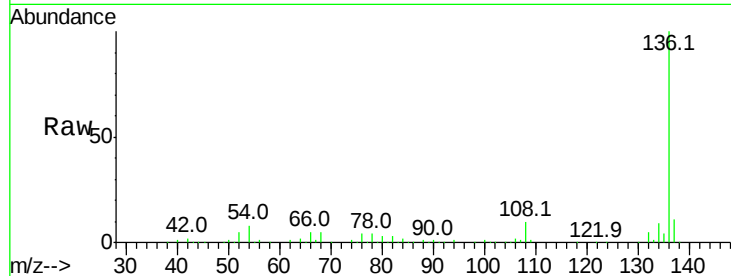




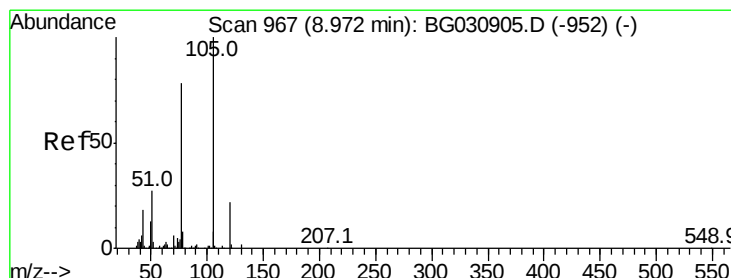
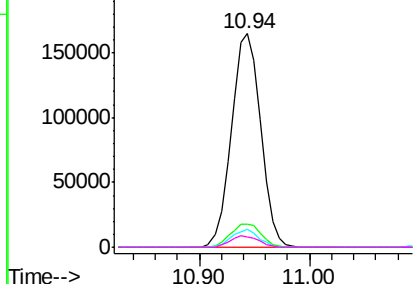
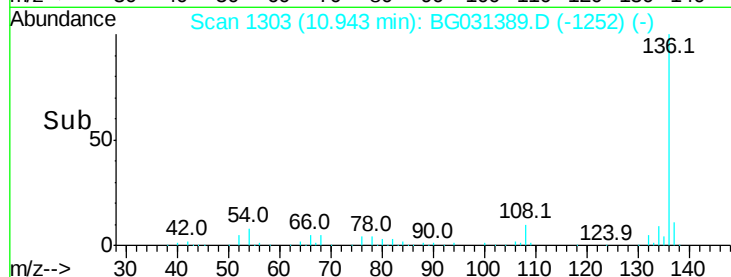
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.94 min Scan# 1303  
Delta R.T. 0.00 min  
Lab File: BG031389.D  
Acq: 7 Dec 2017 4:02

Instrument :  
BNA\_G  
ClientSampleId :

|             |       |           |
|-------------|-------|-----------|
| Tot Ion:136 | Resp: | 306144    |
| Ion Ratio   | Lower | Upper     |
| 136         | 100   |           |
| 137         | 10.8  | 9.2 13.8  |
| 54          | 8.4   | 10.3 15.5 |
| 68          | 5.1   | 4.5 6.7   |

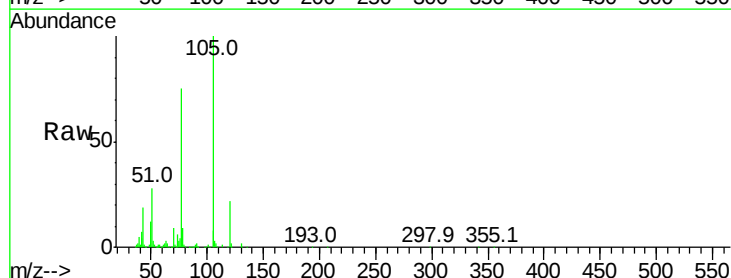


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

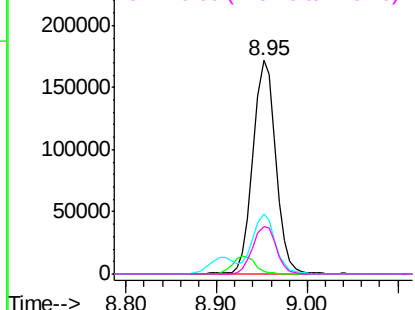
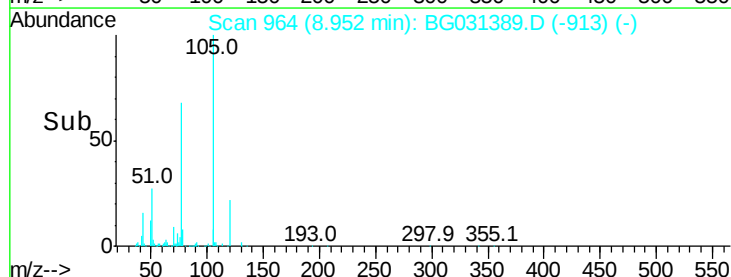


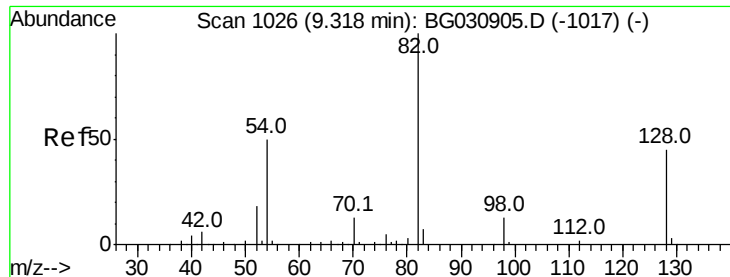
#22  
Acetophenone  
Concen: 39.580 ng  
RT: 8.95 min Scan# 964  
Delta R.T. 0.00 min  
Lab File: BG031389.D  
Acq: 7 Dec 2017 4:02

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:105 | Resp: | 301706    |
| Ion Ratio   | Lower | Upper     |
| 105         | 100   |           |
| 71          | 1.5   | 3.0 4.4   |
| 51          | 28.1  | 26.1 39.1 |
| 120         | 22.5  | 17.4 26.2 |



Abundance Ion 105.00 (104.70 to 105.70): E  
Ion 71.00 (70.70 to 71.70): BGC  
Ion 51.00 (50.70 to 51.70): BGC  
Ion 120.00 (119.70 to 120.70): E





#23

Nitrobenzene-d5

Concen: 81.173 ng

RT: 9.30 min Scan# 1023

Delta R.T. 0.00 min

Lab File: BG031389.D

Acq: 7 Dec 2017 4:02

Instrument :

BNA\_G

ClientSampleID :

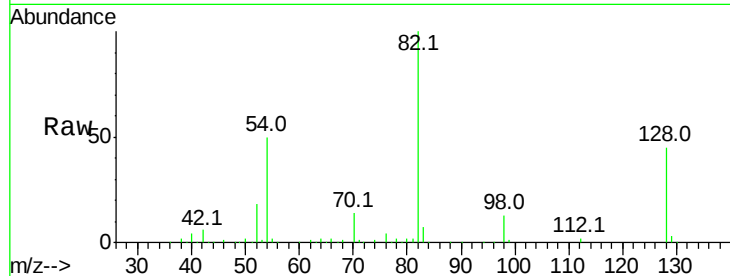
Tot Ion: 82 Resp: 419377

Ion Ratio Lower Upper

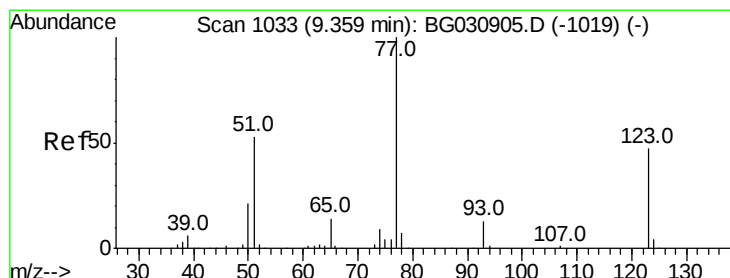
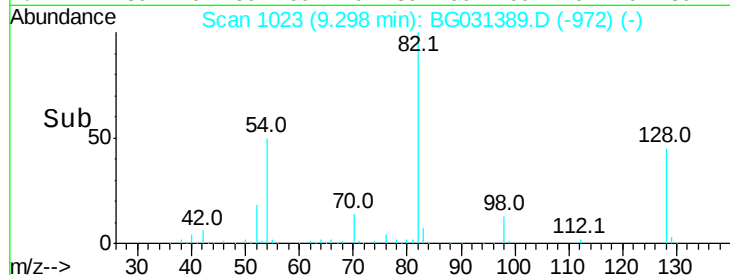
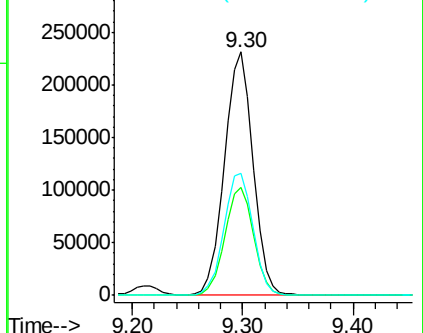
82 100

128 44.5 29.7 44.5#

54 50.0 43.1 64.7



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



#24

Nitrobenzene

Concen: 40.267 ng

RT: 9.34 min Scan# 1030

Delta R.T. 0.00 min

Lab File: BG031389.D

Acq: 7 Dec 2017 4:02

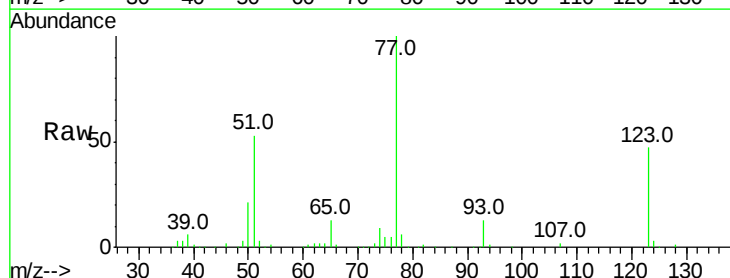
Tgt Ion: 77 Resp: 212509

Ion Ratio Lower Upper

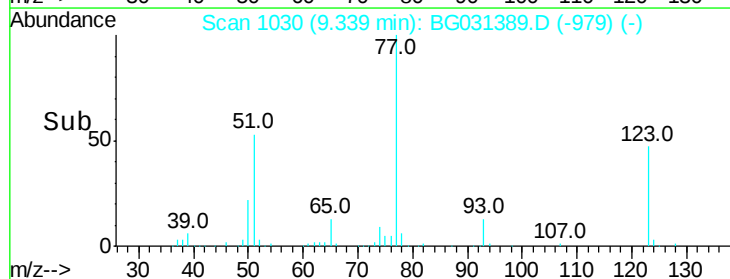
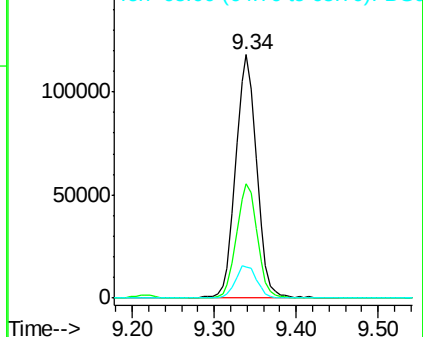
77 100

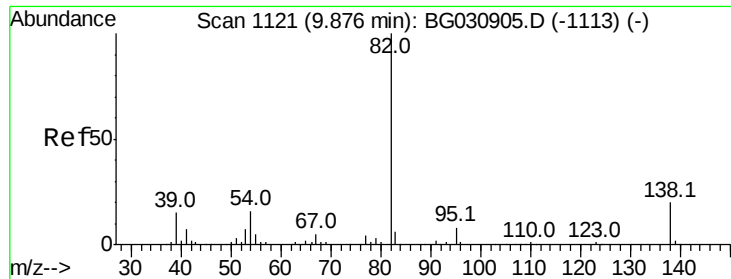
123 47.1 33.0 49.6

65 12.9 13.0 19.6#



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





#25

Isophorone

Concen: 37.763 ng

RT: 9.86 min Scan# 1118

Delta R.T. -0.01 min

Lab File: BG031389.D

Acq: 7 Dec 2017 4:02

Instrument :

BNA\_G

ClientSampleId :

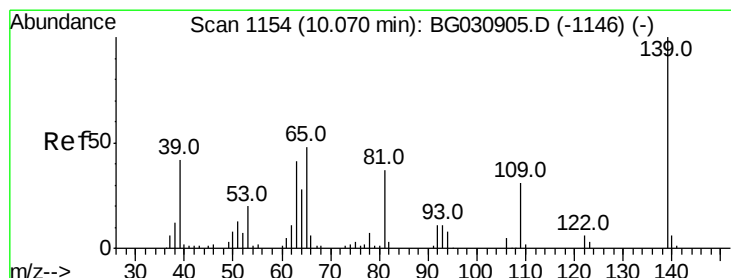
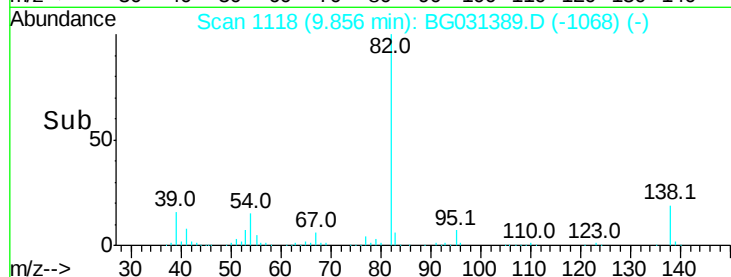
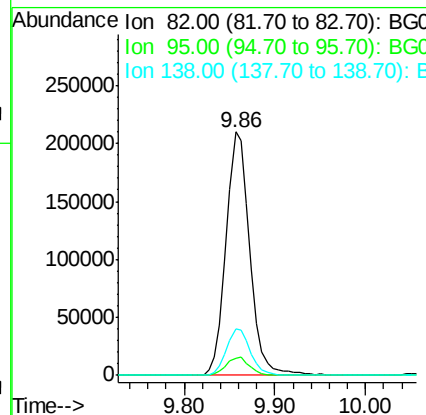
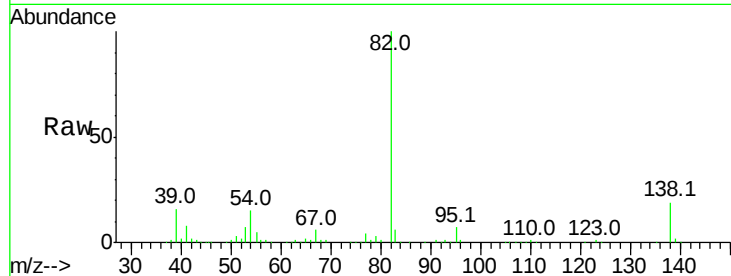
Tot Ion: 82 Resp: 380502

Ion Ratio Lower Upper

82 100

95 7.3 6.2 9.2

138 18.9 12.1 18.1#



#26

2-Nitrophenol

Concen: 42.503 ng

RT: 10.06 min Scan# 1152

Delta R.T. 0.00 min

Lab File: BG031389.D

Acq: 7 Dec 2017 4:02

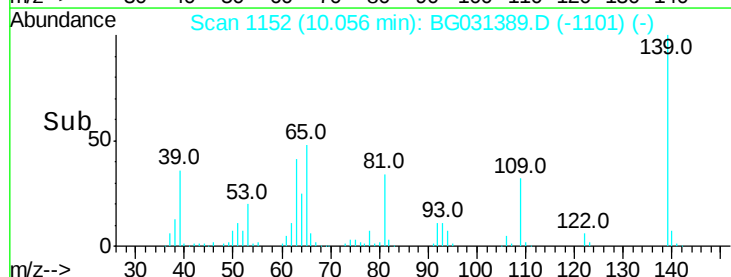
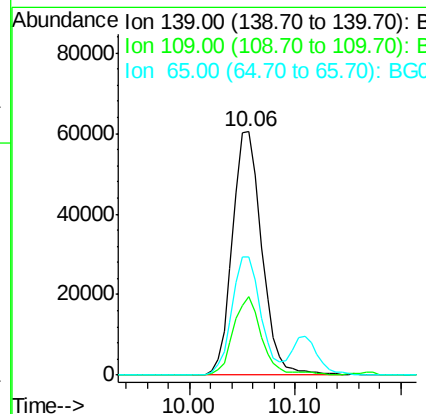
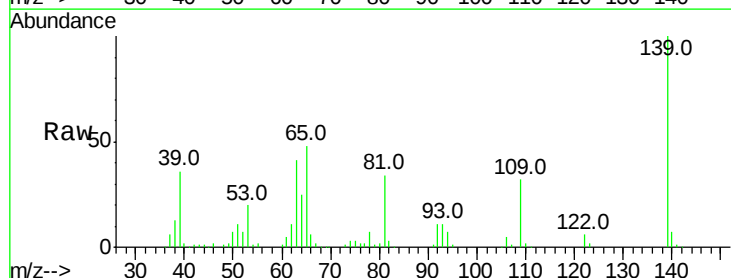
Tgt Ion:139 Resp: 116921

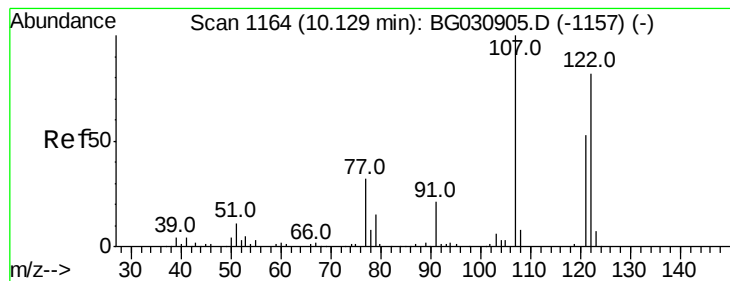
Ion Ratio Lower Upper

139 100

109 32.5 24.2 36.2

65 48.3 47.4 71.0





#27

2,4-Dimethylphenol

Concen: 39.133 ng

RT: 10.11 min Scan# 1161

Delta R.T. 0.00 min

Lab File: BG031389.D

Acq: 7 Dec 2017 4:02

Instrument :

BNA\_G

ClientSampleId :

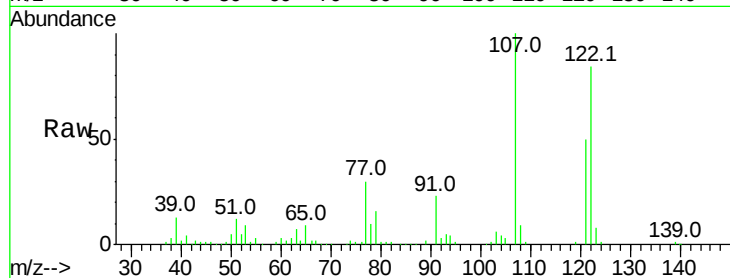
Tot Ion:122 Resp: 159815

Ion Ratio Lower Upper

122 100

107 119.3 100.2 150.2

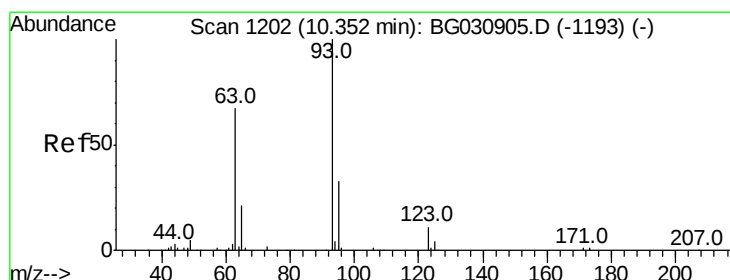
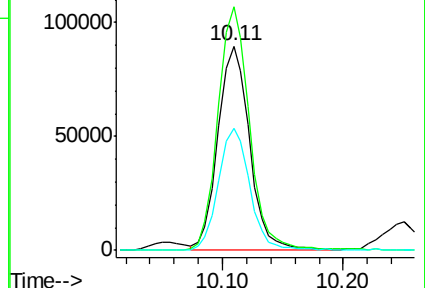
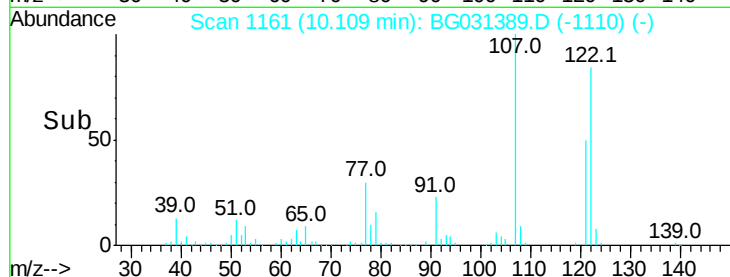
121 59.6 44.4 66.6



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 40.132 ng

RT: 10.33 min Scan# 1199

Delta R.T. 0.00 min

Lab File: BG031389.D

Acq: 7 Dec 2017 4:02

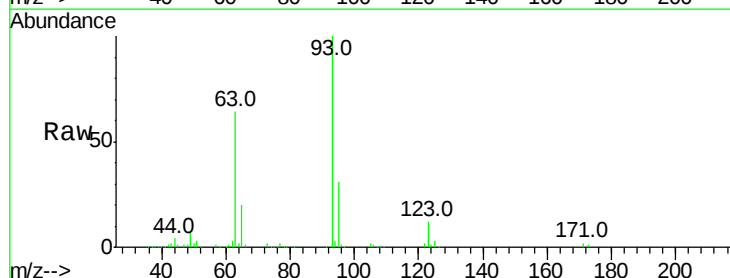
Tgt Ion: 93 Resp: 254681

Ion Ratio Lower Upper

93 100

95 31.3 24.3 36.5

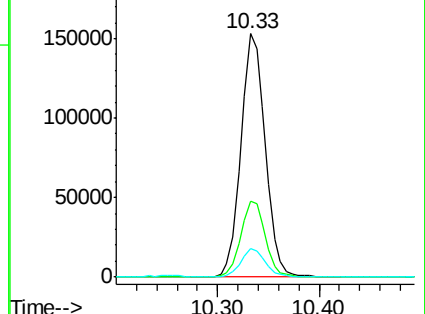
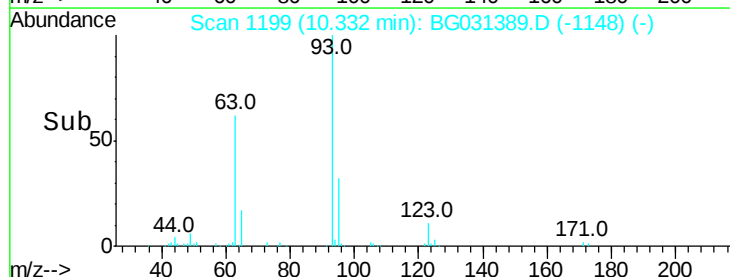
123 11.6 8.4 12.6

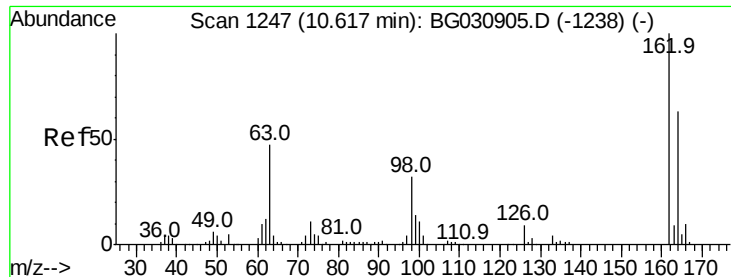


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 95.00 (94.70 to 95.70): BGC

Ion 123.00 (122.70 to 123.70): E

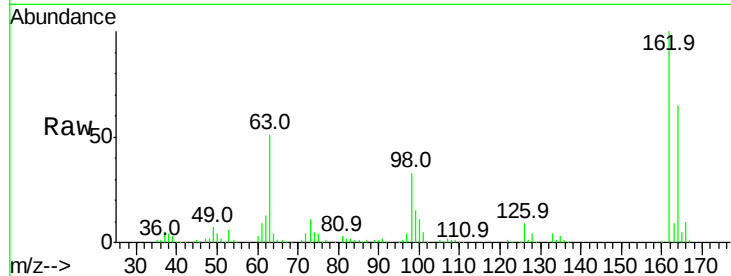




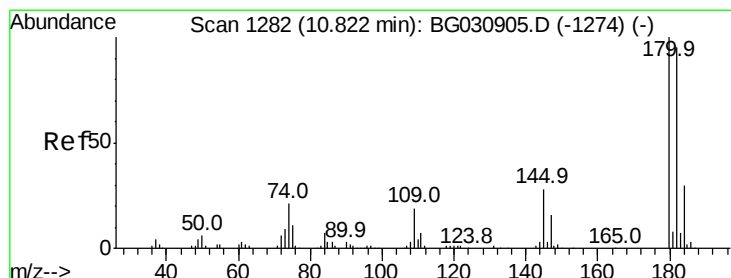
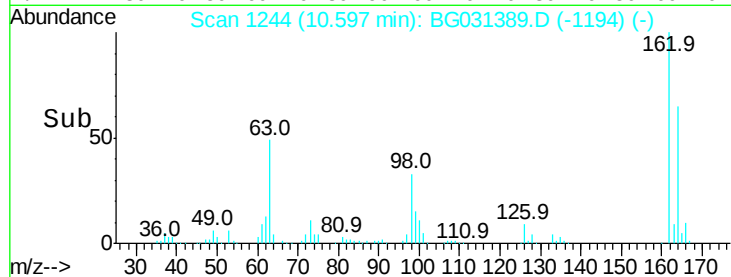
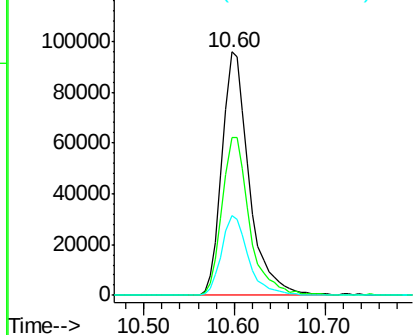
#29  
 2,4-Dichlorophenol  
 Concen: 40.733 ng  
 RT: 10.60 min Scan# 1244  
 Delta R.T. -0.01 min  
 Lab File: BG031389.D  
 Acq: 7 Dec 2017 4:02

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 64.7  | 48.0  | 88.0  |
| 98      | 33.0  | 21.1  | 61.1  |

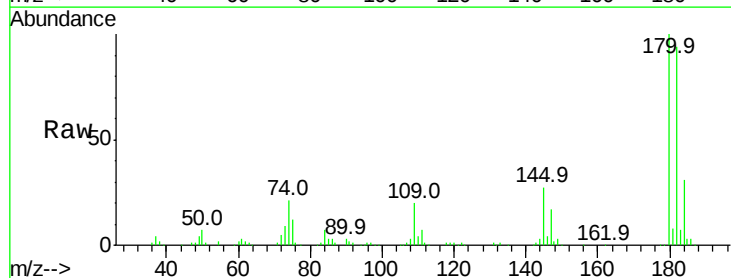


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 164.00 (163.70 to 164.70): E  
 Ion 98.00 (97.70 to 98.70): B

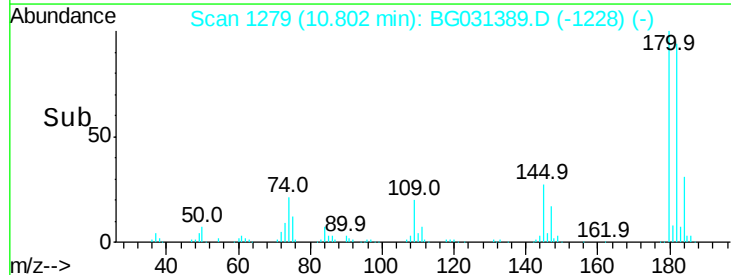
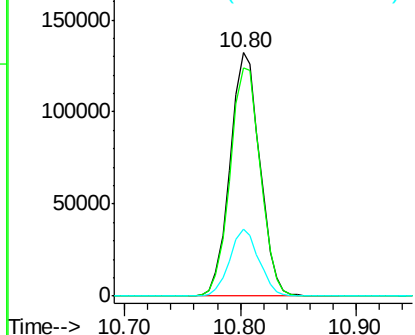


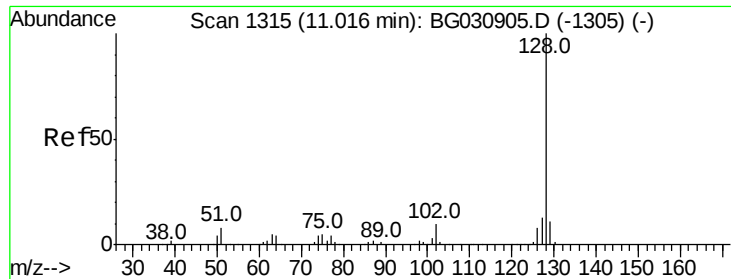
#30  
 1,2,4-Trichlorobenzene  
 Concen: 40.219 ng  
 RT: 10.80 min Scan# 1279  
 Delta R.T. 0.00 min  
 Lab File: BG031389.D  
 Acq: 7 Dec 2017 4:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 93.6  | 77.5  | 116.3 |
| 145     | 27.3  | 23.4  | 35.2  |



Abundance Ion 180.00 (179.70 to 180.70): E  
 Ion 182.00 (181.70 to 182.70): E  
 Ion 145.00 (144.70 to 145.70): E

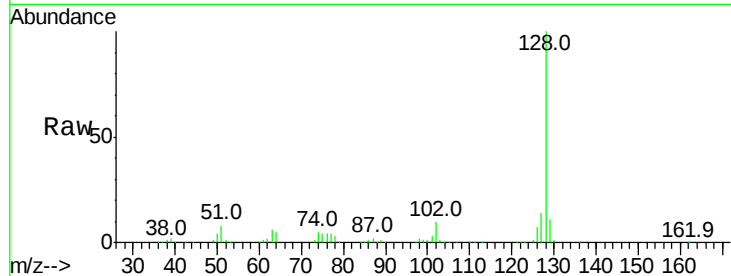




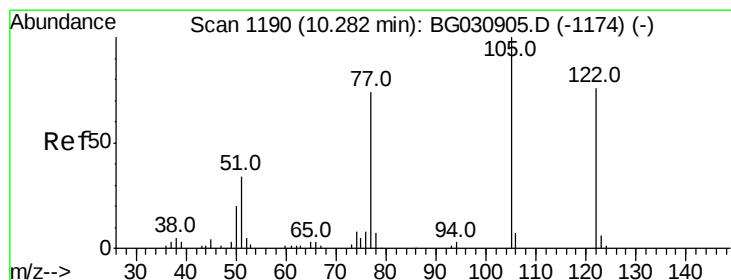
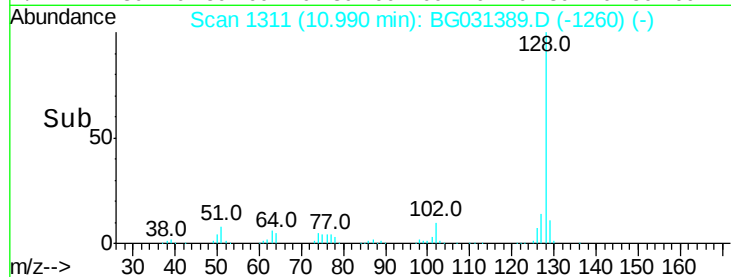
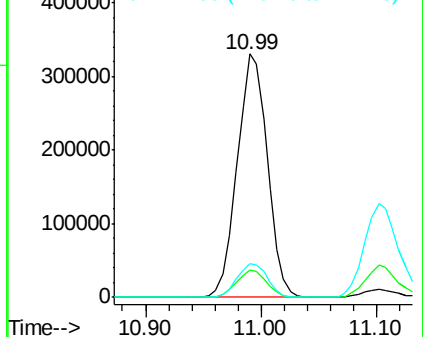
#31  
Naphthalene  
Concen: 39.701 ng  
RT: 10.99 min Scan# 1311  
Delta R.T. 0.00 min  
Lab File: BG031389.D  
Acq: 7 Dec 2017 4:02

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:128 Resp: 597489  
Ion Ratio Lower Upper  
128 100  
129 11.4 8.6 12.8  
127 13.7 11.6 17.4

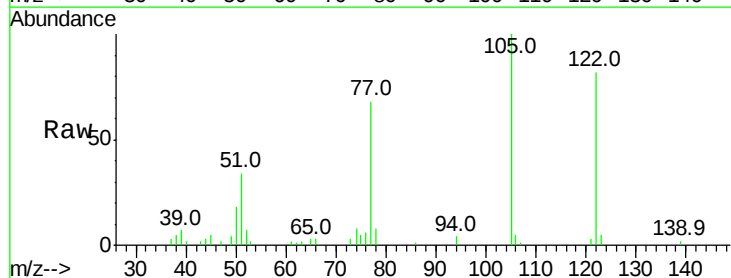


Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E

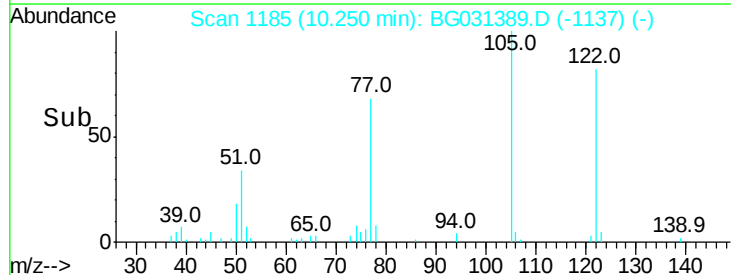
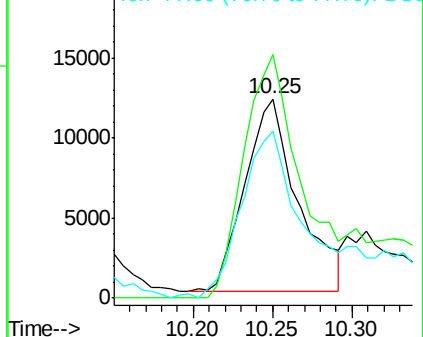


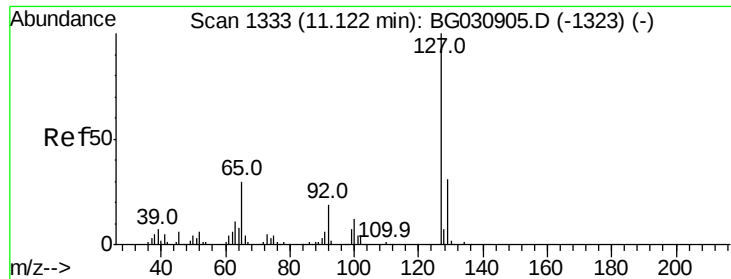
#32  
Benzoic acid  
Concen: 12.917 ng  
RT: 10.25 min Scan# 1185  
Delta R.T. -0.02 min  
Lab File: BG031389.D  
Acq: 7 Dec 2017 4:02

Tgt Ion:122 Resp: 27978  
Ion Ratio Lower Upper  
122 100  
105 122.4 123.5 163.5#  
77 83.7 85.7 125.7#



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

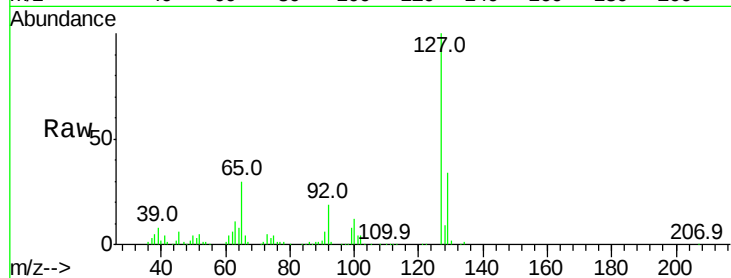




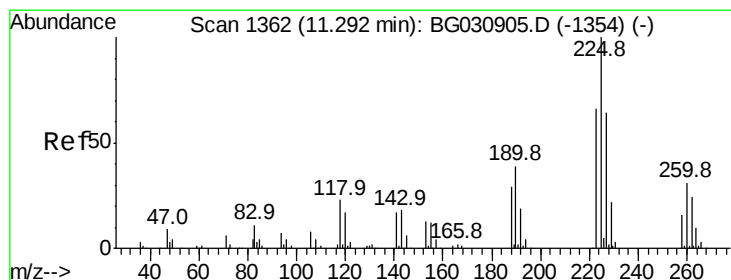
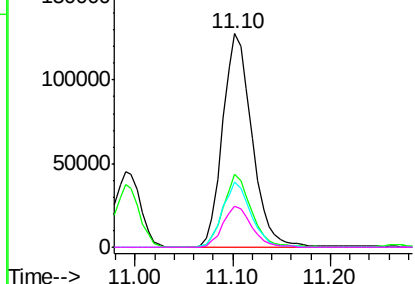
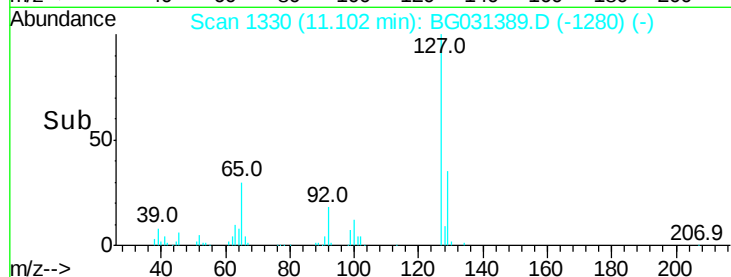
#33  
4-Chloroaniline  
Concen: 40.533 ng  
RT: 11.10 min Scan# 1330  
Delta R.T. -0.01 min  
Lab File: BG031389.D  
Acq: 7 Dec 2017 4:02

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 127     | 100   |       |       |
| 129     | 34.5  | 24.0  | 36.0  |
| 65      | 30.3  | 27.0  | 40.4  |
| 92      | 18.9  | 16.6  | 25.0  |

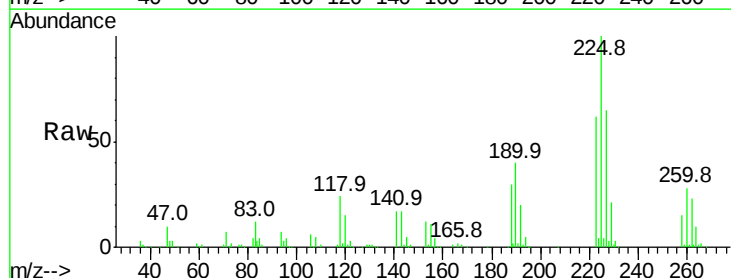


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BGC  
Ion 92.00 (91.70 to 92.70): BGC

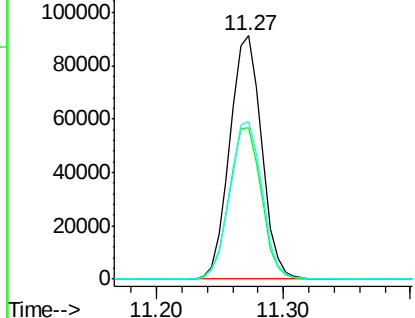
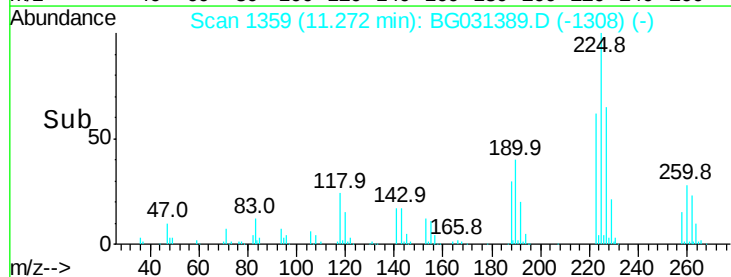


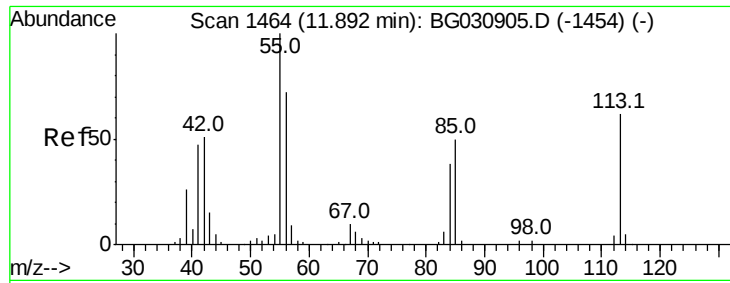
#34  
Hexachlorobutadiene  
Concen: 38.928 ng  
RT: 11.27 min Scan# 1359  
Delta R.T. 0.00 min  
Lab File: BG031389.D  
Acq: 7 Dec 2017 4:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 62.1  | 49.7  | 74.5  |
| 227     | 64.7  | 48.1  | 72.1  |



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

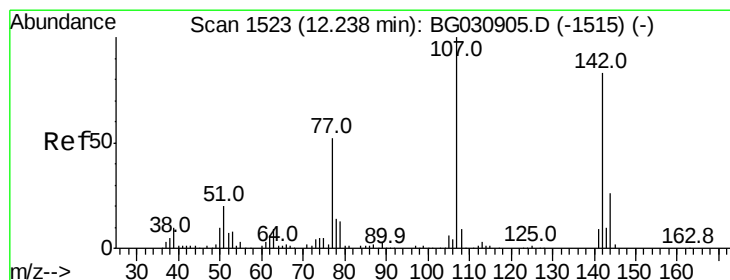
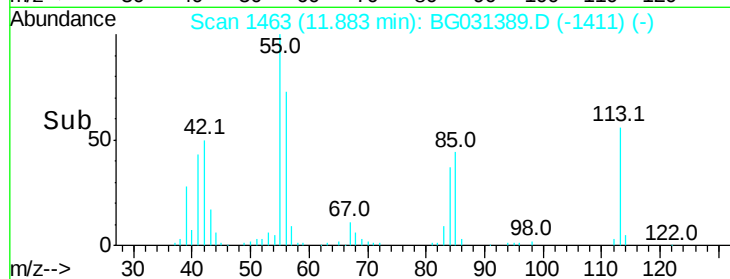
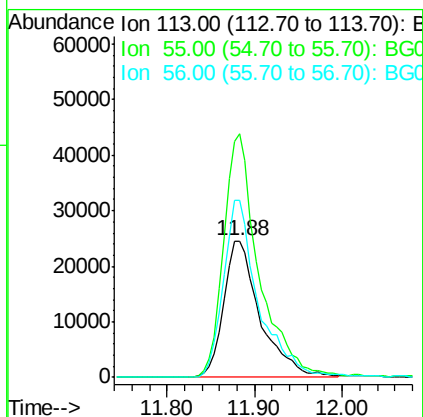
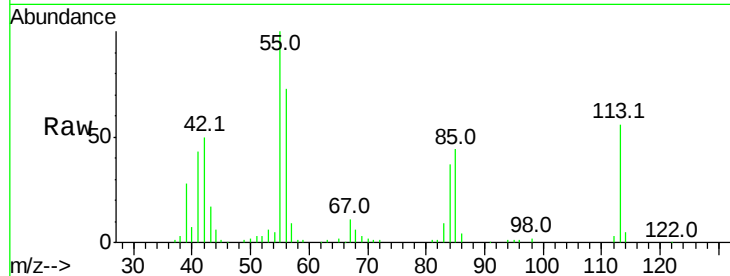




#35  
 Caprolactam  
 Concen: 35.115 ng  
 RT: 11.88 min Scan# 1463  
 Delta R.T. 0.01 min  
 Lab File: BG031389.D  
 Acq: 7 Dec 2017 4:02

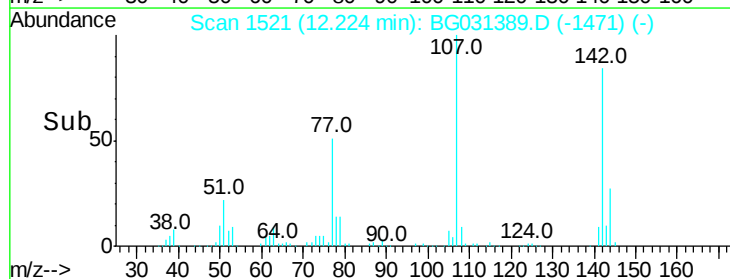
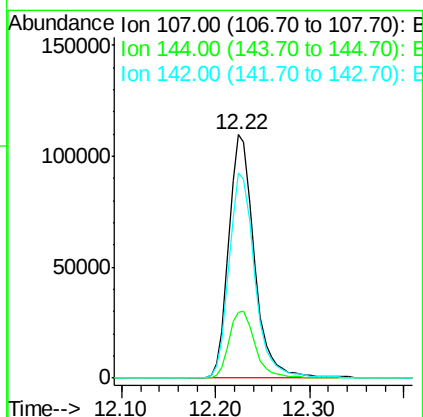
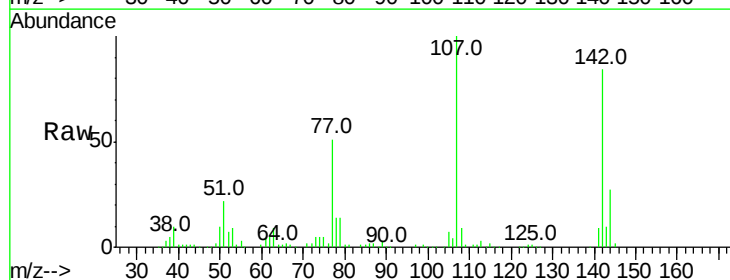
Instrument :  
 BNA\_G  
 ClientSampled :

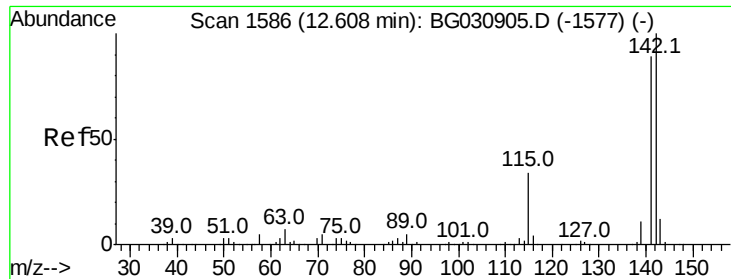
Tot Ion:113 Resp: 70348  
 Ion Ratio Lower Upper  
 113 100  
 55 178.5 186.9 226.9#  
 56 130.2 130.9 170.9#



#36  
 4-Chloro-3-methylphenol  
 Concen: 38.888 ng  
 RT: 12.22 min Scan# 1521  
 Delta R.T. -0.01 min  
 Lab File: BG031389.D  
 Acq: 7 Dec 2017 4:02

Tgt Ion:107 Resp: 207563  
 Ion Ratio Lower Upper  
 107 100  
 144 27.0 18.2 27.4  
 142 84.2 59.0 88.4

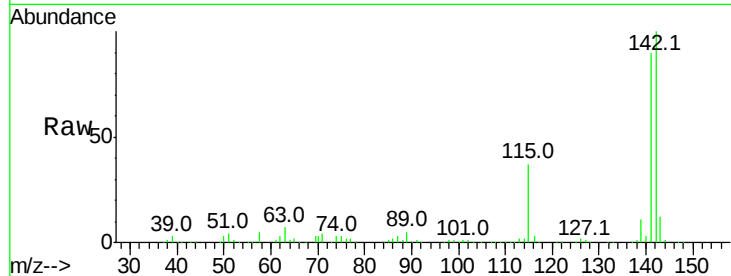




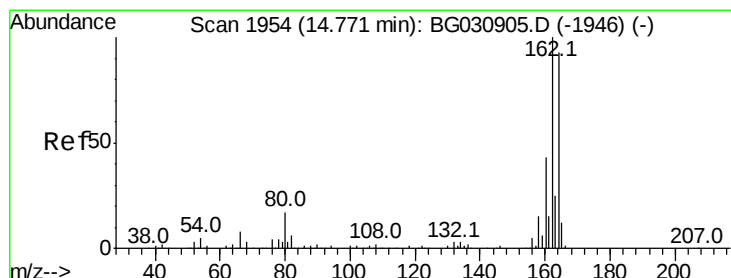
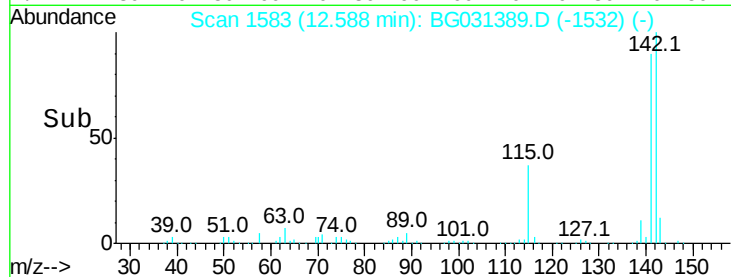
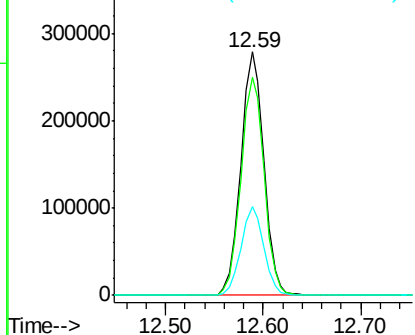
#37  
 2-Methylnaphthalene  
 Concen: 39.167 ng  
 RT: 12.59 min Scan# 1583  
 Delta R.T. 0.00 min  
 Lab File: BG031389.D  
 Acq: 7 Dec 2017 4:02

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:142 Resp: 455042  
 Ion Ratio Lower Upper  
 142 100  
 141 89.8 67.1 100.7  
 115 36.6 30.7 46.1

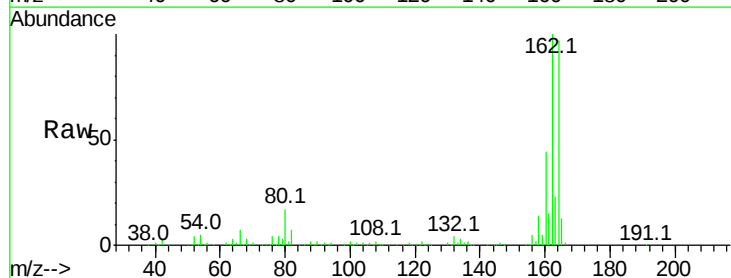


Abundance Ion 142.00 (141.70 to 142.70): E  
 Ion 141.00 (140.70 to 141.70): E  
 Ion 115.00 (114.70 to 115.70): E

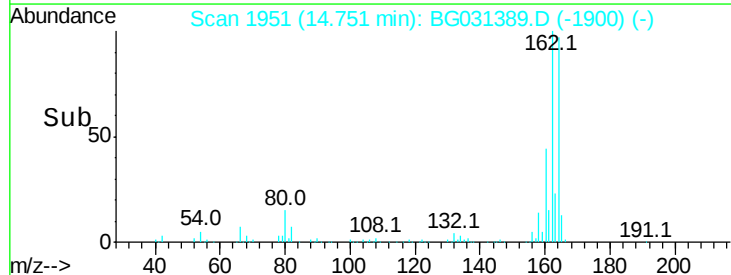
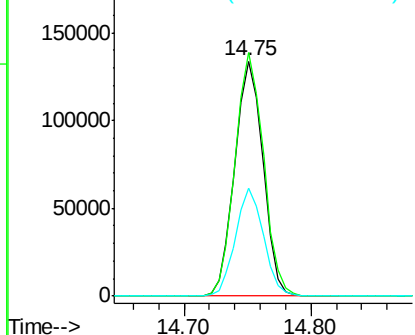


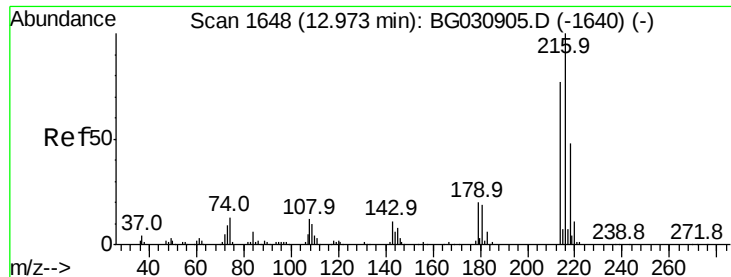
#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.75 min Scan# 1951  
 Delta R.T. 0.00 min  
 Lab File: BG031389.D  
 Acq: 7 Dec 2017 4:02

Tgt Ion:164 Resp: 206136  
 Ion Ratio Lower Upper  
 164 100  
 162 103.5 78.8 118.2  
 160 46.0 35.4 53.0



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

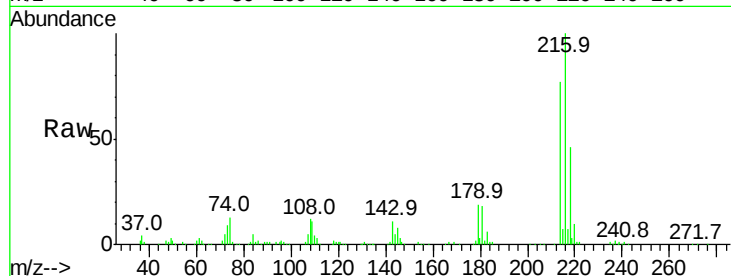




#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 40.662 ng  
 RT: 12.95 min Scan# 1645  
 Delta R.T. -0.01 min  
 Lab File: BG031389.D  
 Acq: 7 Dec 2017 4:02

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 216     | 100   |       |       |
| 214     | 76.0  | 63.0  | 94.4  |
| 179     | 18.7  | 17.0  | 25.6  |
| 108     | 12.6  | 12.8  | 19.2# |

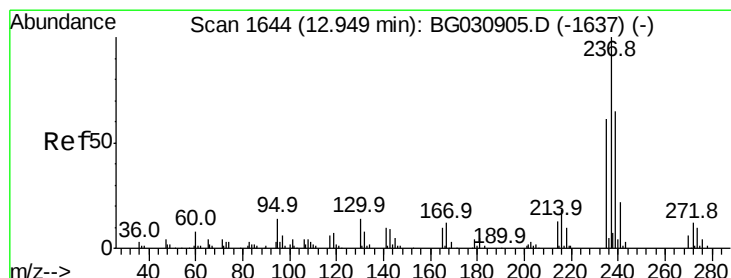
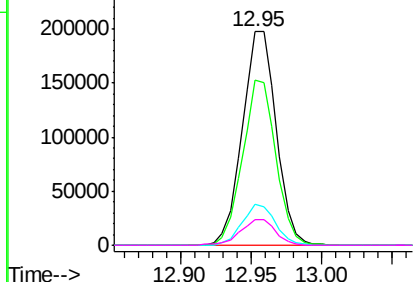
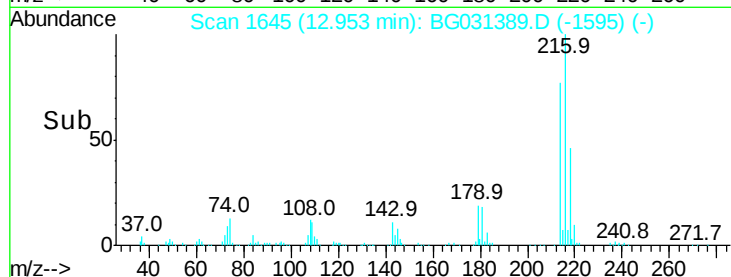


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

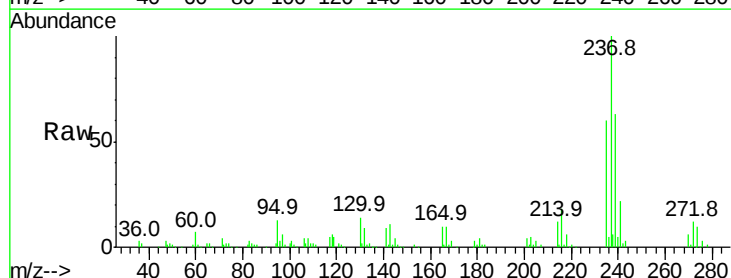
Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40  
 Hexachlorocyclopentadiene  
 Concen: 36.132 ng  
 RT: 12.93 min Scan# 1641  
 Delta R.T. 0.00 min  
 Lab File: BG031389.D  
 Acq: 7 Dec 2017 4:02

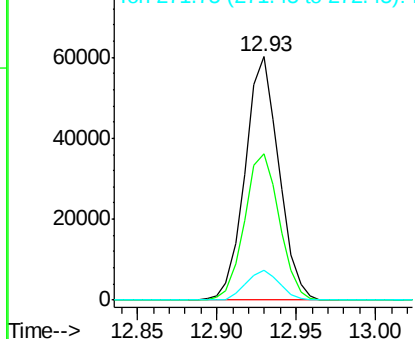
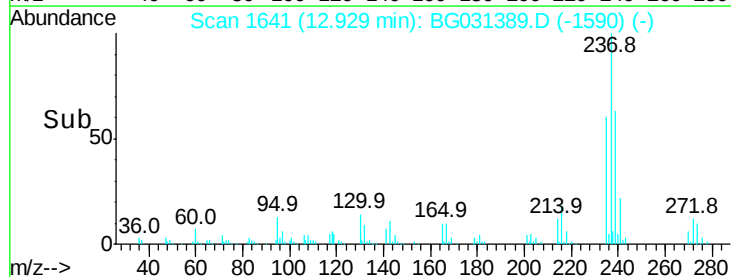
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 237     | 100   |       |       |
| 235     | 60.0  | 50.4  | 90.4  |
| 272     | 12.4  | 0.0   | 31.8  |

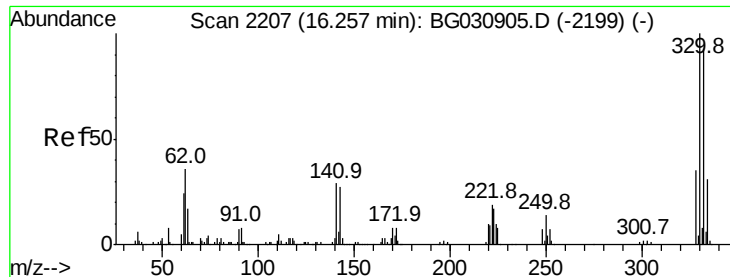


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

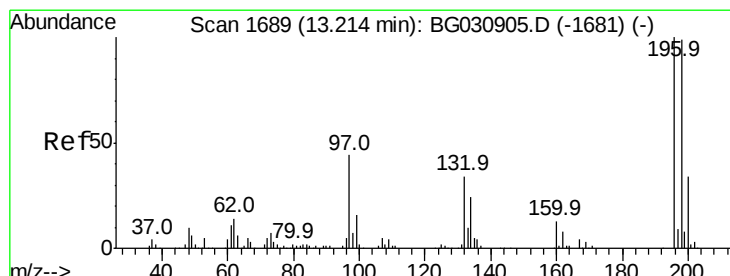
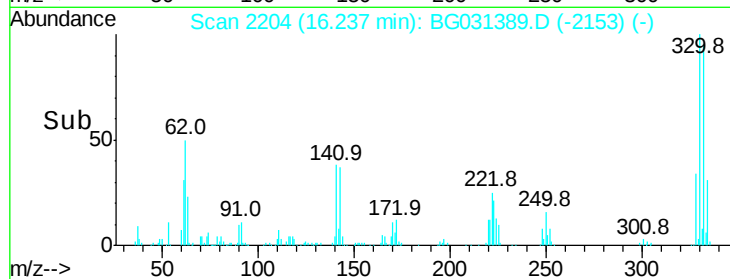
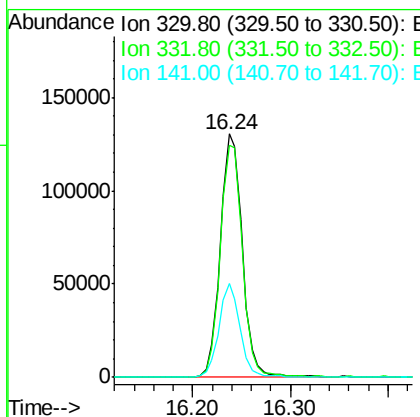
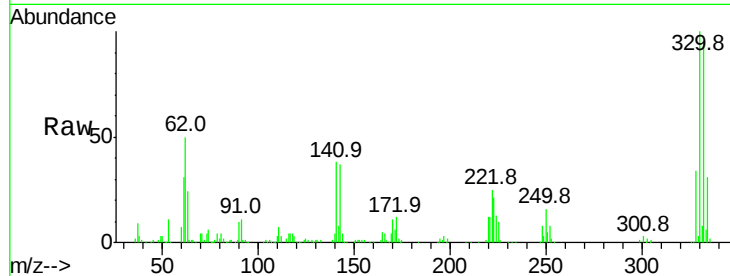




#41  
 2,4,6-Tribromophenol  
 Concen: 61.422 ng  
 RT: 16.24 min Scan# 2204  
 Delta R.T. 0.00 min  
 Lab File: BG031389.D  
 Acq: 7 Dec 2017 4:02

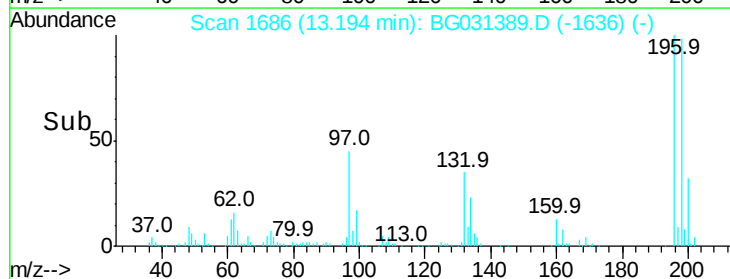
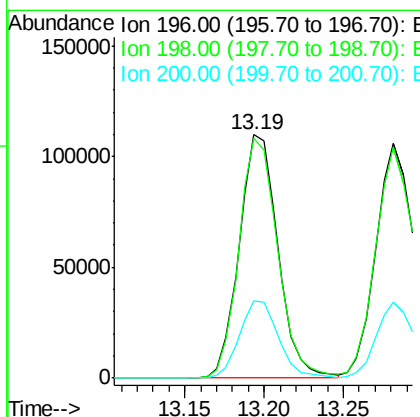
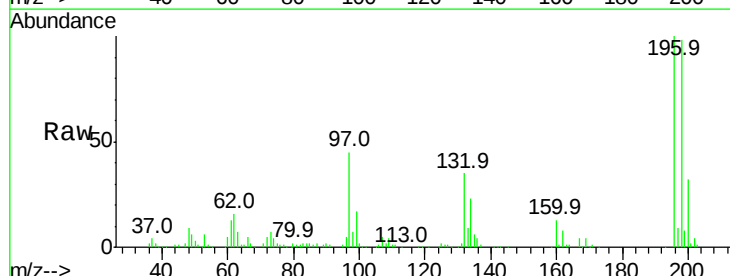
Instrument :  
 BNA\_G  
 ClientSampleId :

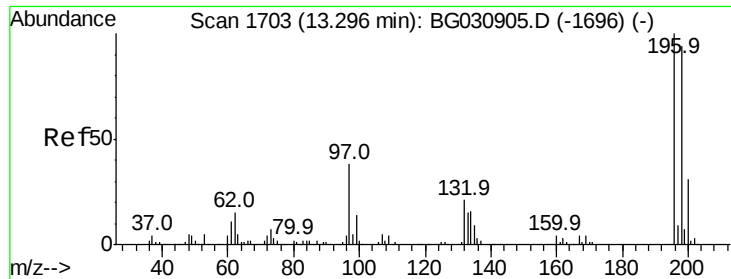
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.4  | 77.0  | 115.6 |
| 141     | 37.0  | 25.2  | 37.8  |



#42  
 2,4,6-Trichlorophenol  
 Concen: 39.792 ng  
 RT: 13.19 min Scan# 1686  
 Delta R.T. -0.01 min  
 Lab File: BG031389.D  
 Acq: 7 Dec 2017 4:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 98.3  | 78.2  | 117.2 |
| 200     | 31.5  | 24.6  | 36.8  |

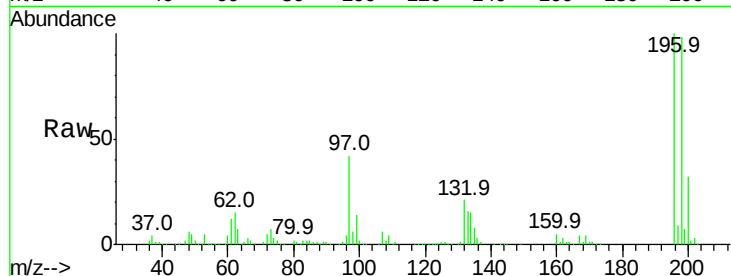




#43  
 2,4,5-Trichlorophenol  
 Concen: 38.196 ng  
 RT: 13.28 min Scan# 1701  
 Delta R.T. 0.00 min  
 Lab File: BG031389.D  
 Acq: 7 Dec 2017 4:02

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 98.4  | 76.2  | 114.4 |
| 97      | 41.6  | 38.7  | 58.1  |
| 132     | 20.8  | 20.2  | 30.2  |



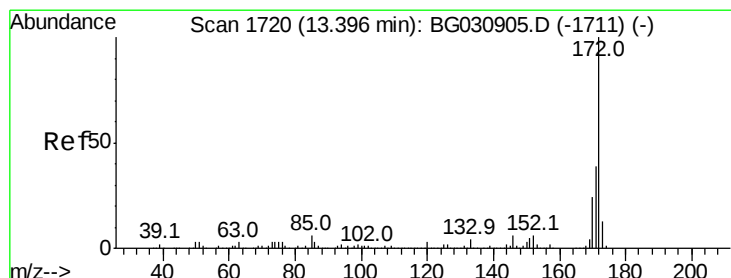
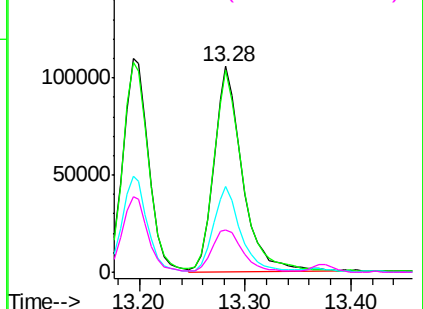
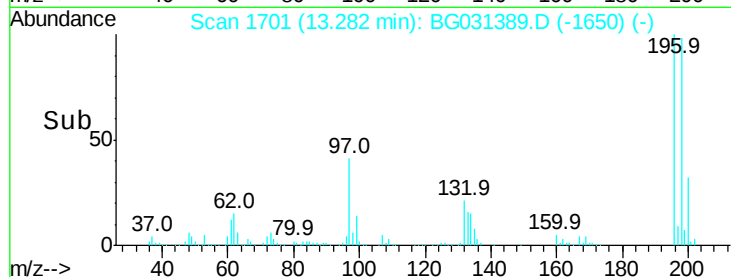
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

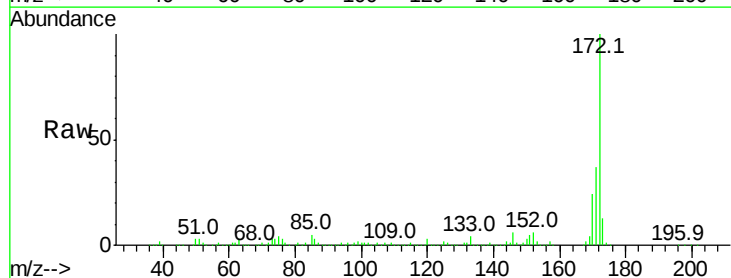
Ion 97.00 (96.70 to 97.70): BGC

Ion 132.00 (131.70 to 132.70): E



#44  
 2-Fluorobiphenyl  
 Concen: 78.452 ng  
 RT: 13.38 min Scan# 1717  
 Delta R.T. 0.01 min  
 Lab File: BG031389.D  
 Acq: 7 Dec 2017 4:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.2  | 30.0  | 45.0  |
| 170     | 24.2  | 19.5  | 29.3  |

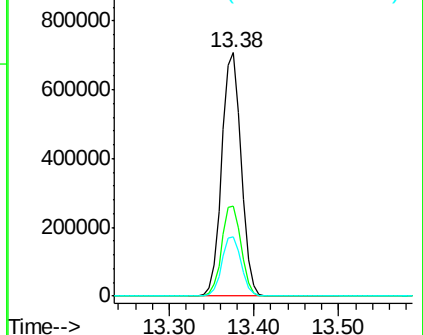
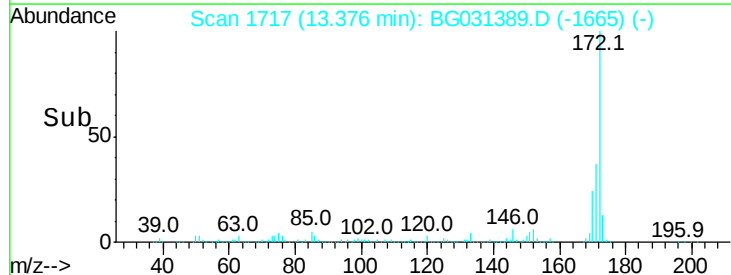


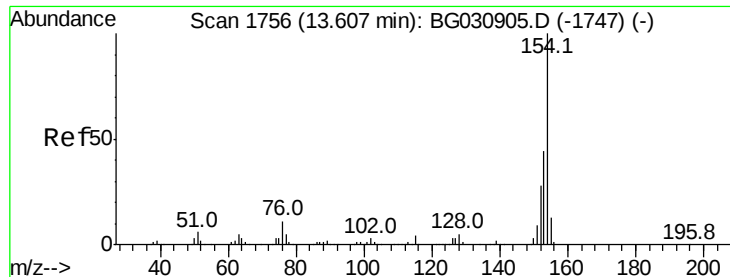
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 39.453 ng

RT: 13.59 min Scan# 1753

Delta R.T. 0.00 min

Lab File: BG031389.D

Acq: 7 Dec 2017 4:02

Instrument :

BNA\_G

ClientSampleId :

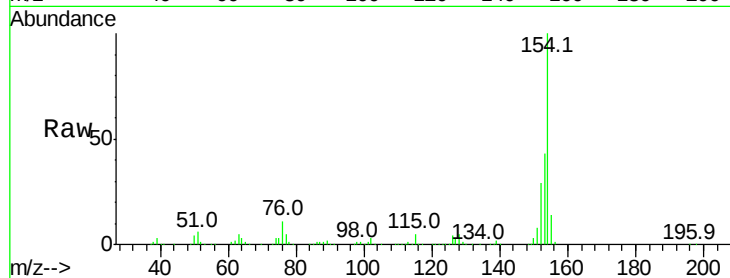
Tot Ion:154 Resp: 674392

Ion Ratio Lower Upper

154 100

153 42.7 19.8 59.8

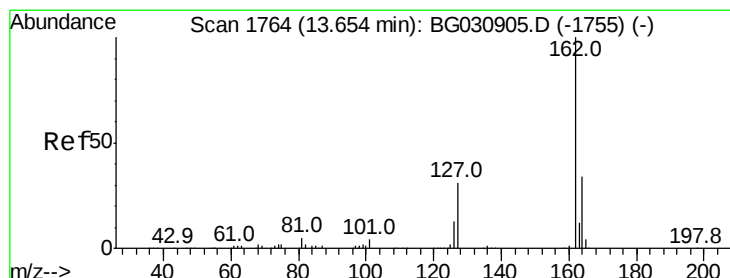
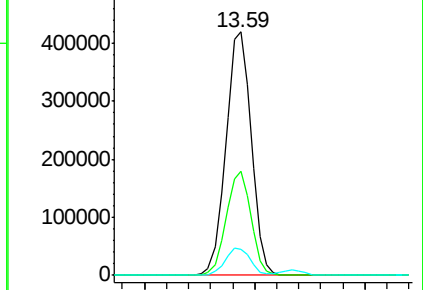
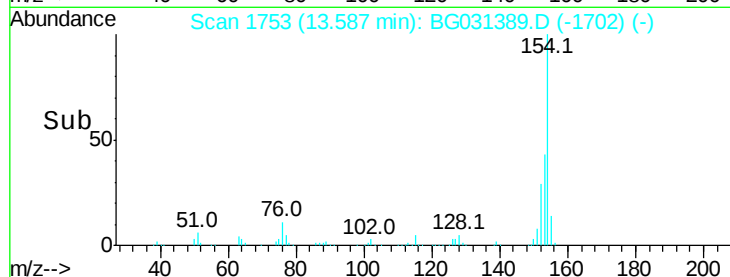
76 10.8 0.0 31.9



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BGC



#46

2-Chloronaphthalene

Concen: 39.894 ng

RT: 13.63 min Scan# 1761

Delta R.T. 0.00 min

Lab File: BG031389.D

Acq: 7 Dec 2017 4:02

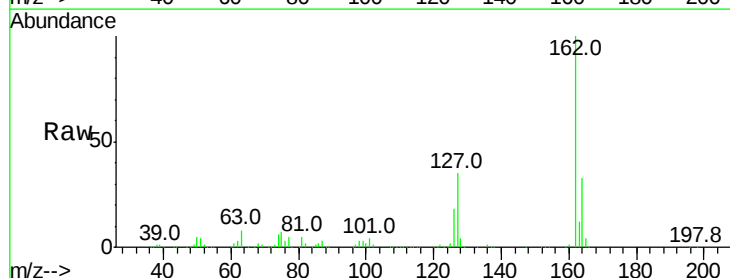
Tgt Ion:162 Resp: 492015

Ion Ratio Lower Upper

162 100

127 35.2 30.7 46.1

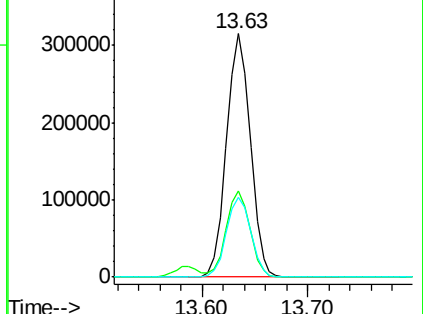
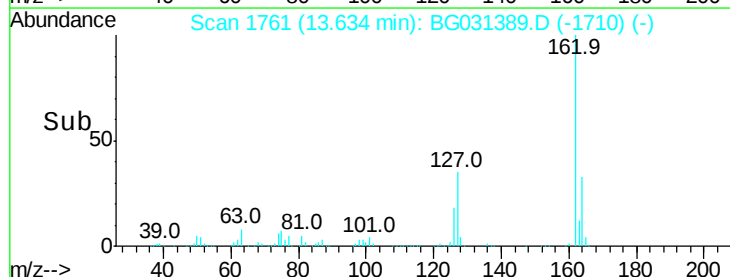
164 32.5 26.0 39.0

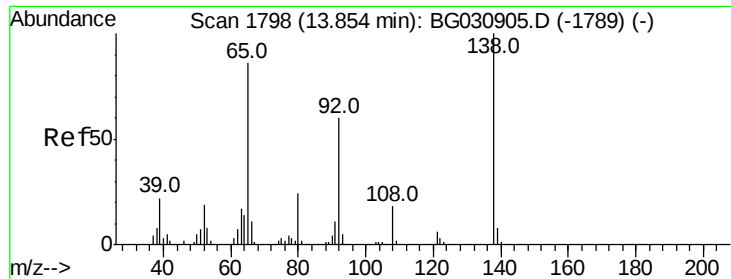


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

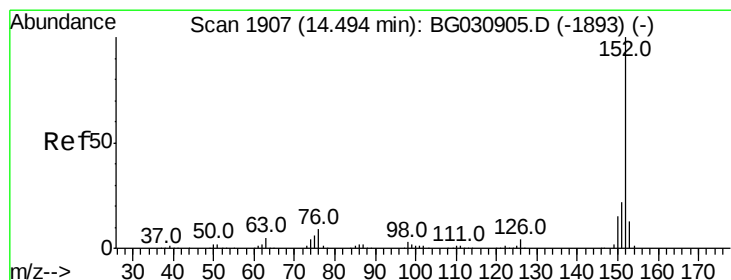
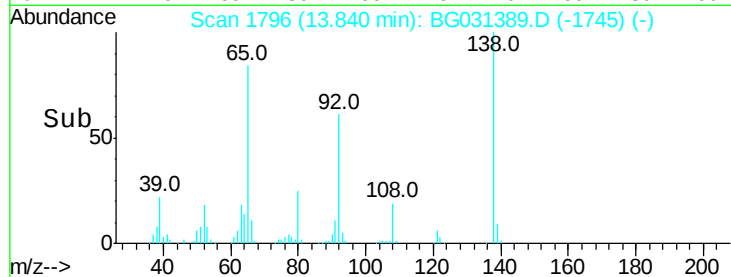
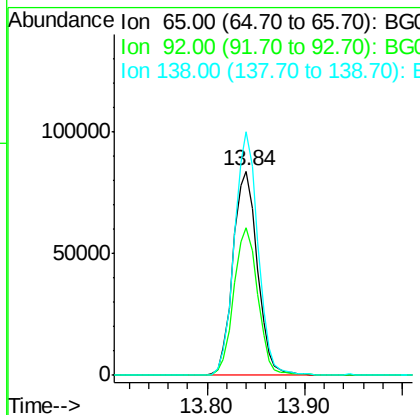
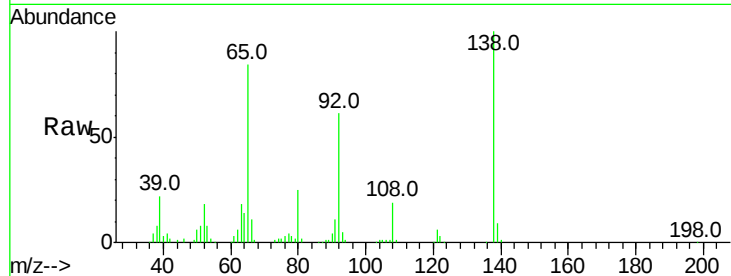




#47  
2-Nitroaniline  
Concen: 40.169 ng  
RT: 13.84 min Scan# 1796  
Delta R.T. 0.00 min  
Lab File: BG031389.D  
Acq: 7 Dec 2017 4:02

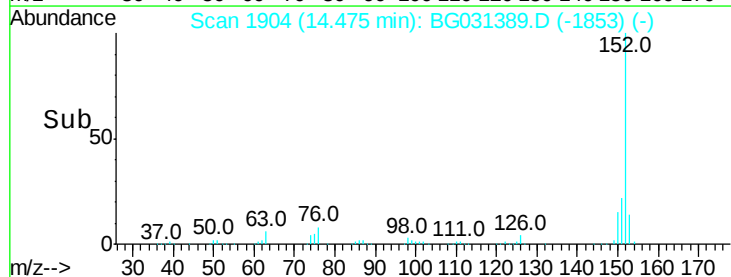
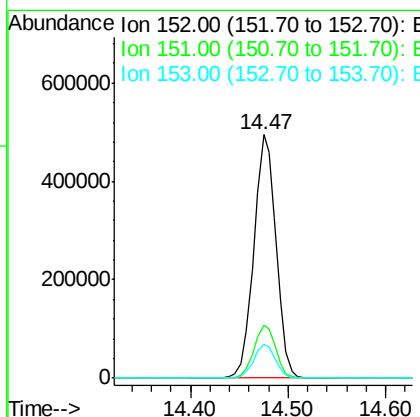
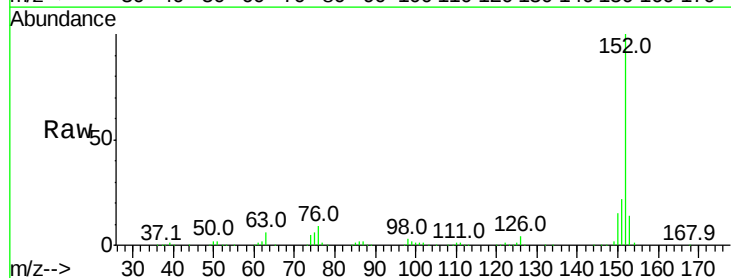
Instrument :  
BNA\_G  
ClientSampleId :

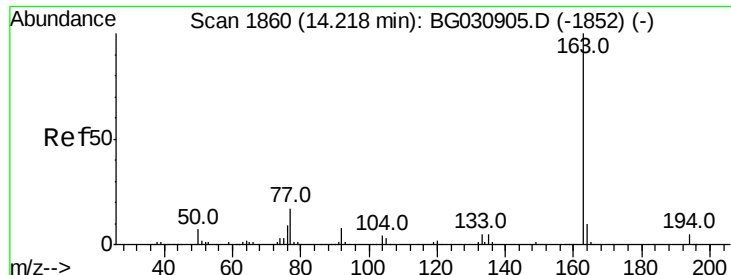
Tot Ion: 65 Resp: 146838  
Ion Ratio Lower Upper  
65 100  
92 72.2 54.6 82.0  
138 119.2 72.9 109.3#



#48  
Acenaphthylene  
Concen: 39.143 ng  
RT: 14.47 min Scan# 1904  
Delta R.T. 0.00 min  
Lab File: BG031389.D  
Acq: 7 Dec 2017 4:02

Tgt Ion: 152 Resp: 790124  
Ion Ratio Lower Upper  
152 100  
151 21.6 17.2 25.8  
153 14.1 10.2 15.4





#49

Dimethylphthalate

Concen: 38.022 ng

RT: 14.20 min Scan# 1857

Delta R.T. 0.00 min

Lab File: BG031389.D

Acq: 7 Dec 2017 4:02

Instrument :

BNA\_G

ClientSampled :

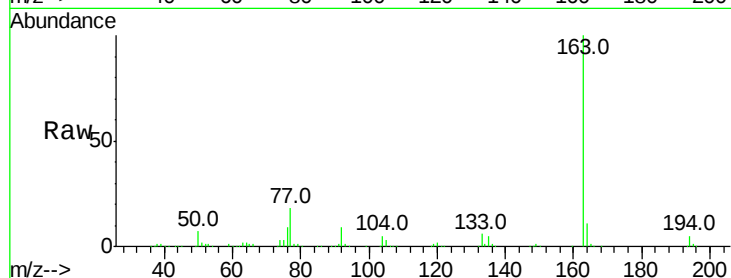
Tot Ion:163 Resp: 677670

Ion Ratio Lower Upper

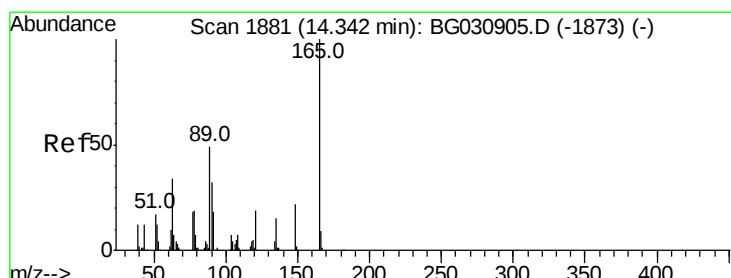
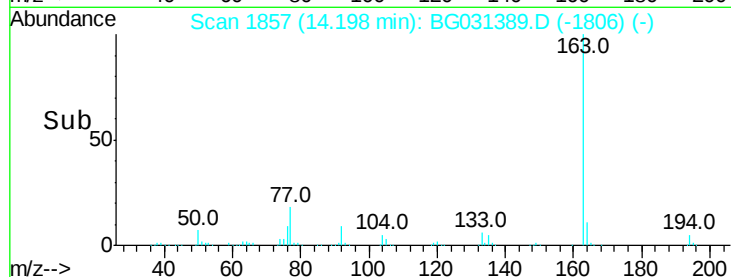
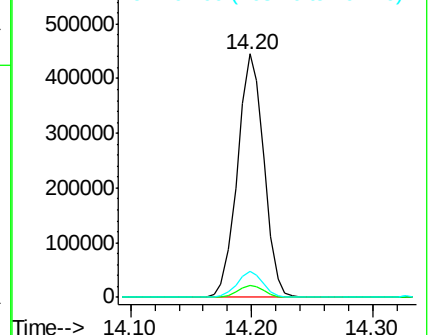
163 100

194 5.0 3.4 5.2

164 10.7 8.2 12.4



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: 39.950 ng

RT: 14.33 min Scan# 1879

Delta R.T. 0.00 min

Lab File: BG031389.D

Acq: 7 Dec 2017 4:02

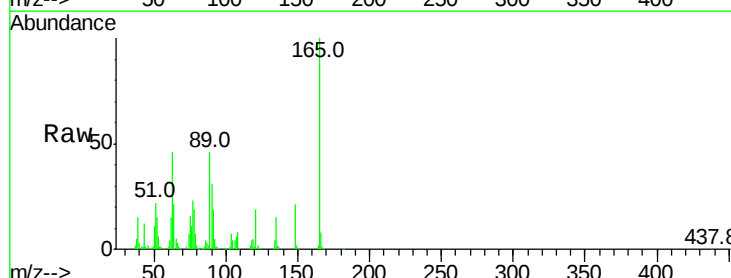
Tgt Ion:165 Resp: 146761

Ion Ratio Lower Upper

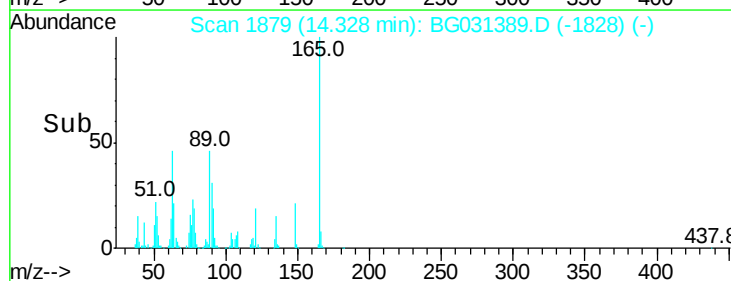
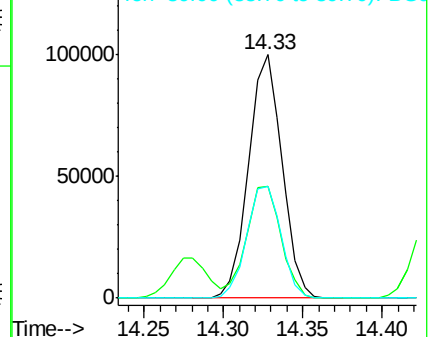
165 100

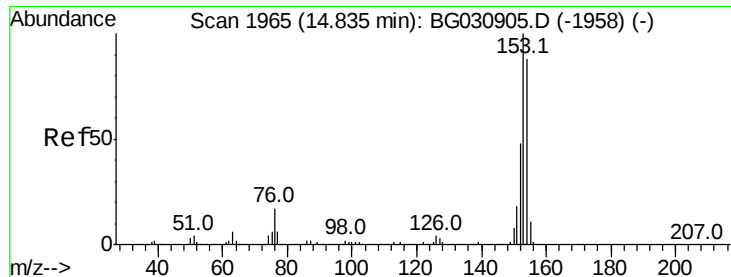
63 45.7 52.7 79.1#

89 45.7 49.2 73.8#



Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BG0  
Ion 89.00 (88.70 to 89.70): BG0





#51

Acenaphthene

Concen: 39.028 ng

RT: 14.82 min Scan# 1962

Delta R.T. 0.00 min

Lab File: BG031389.D

Acq: 7 Dec 2017 4:02

Instrument :

BNA\_G

ClientSampled :

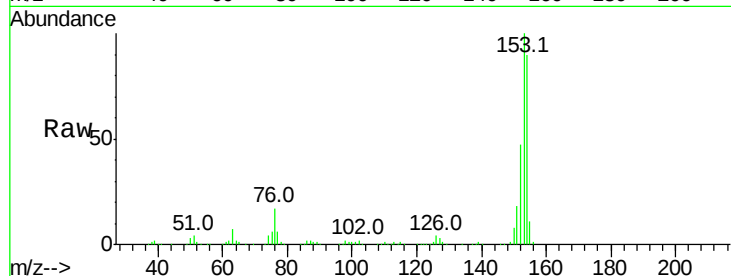
Tot Ion:154 Resp: 492008

Ion Ratio Lower Upper

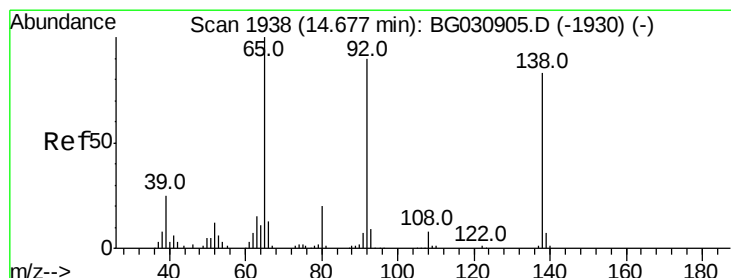
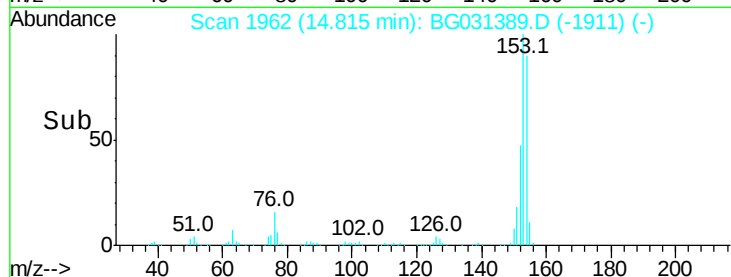
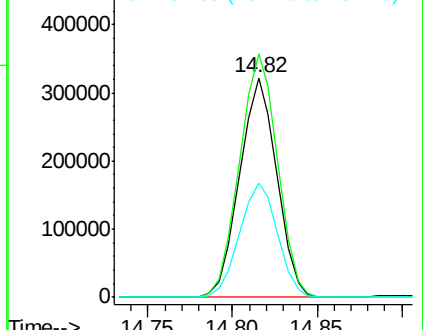
154 100

153 110.9 90.4 135.6

152 52.0 41.6 62.4



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: 39.456 ng

RT: 14.66 min Scan# 1936

Delta R.T. 0.00 min

Lab File: BG031389.D

Acq: 7 Dec 2017 4:02

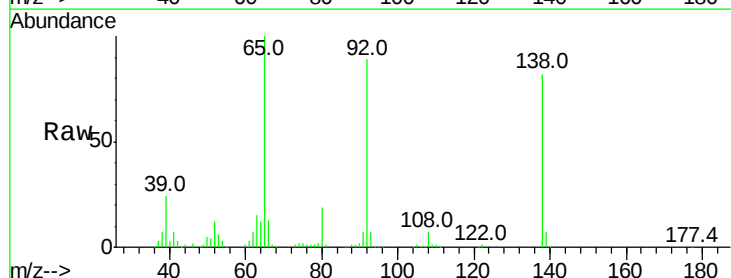
Tgt Ion:138 Resp: 153908

Ion Ratio Lower Upper

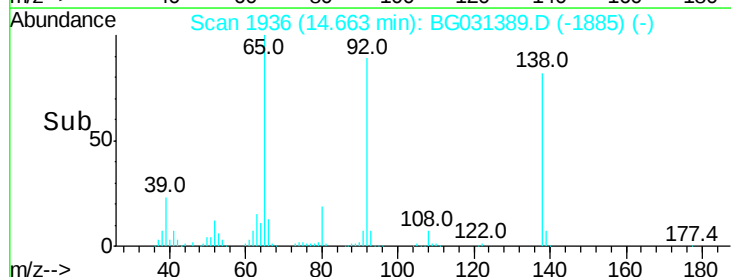
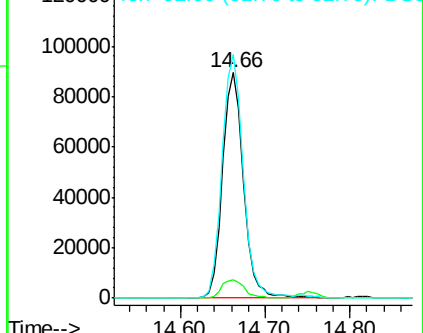
138 100

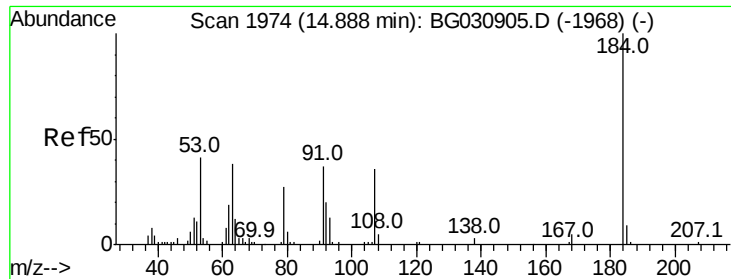
108 8.4 17.5 26.3#

92 108.2 105.8 158.8



Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 92.00 (91.70 to 92.70): BGC

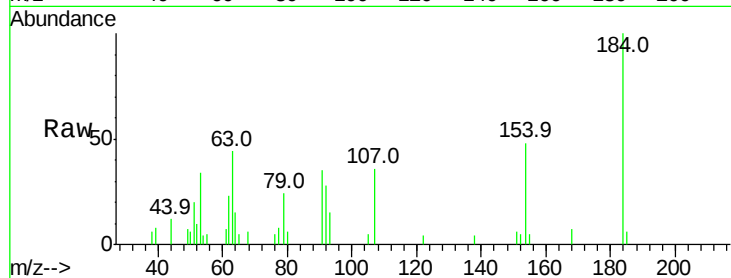




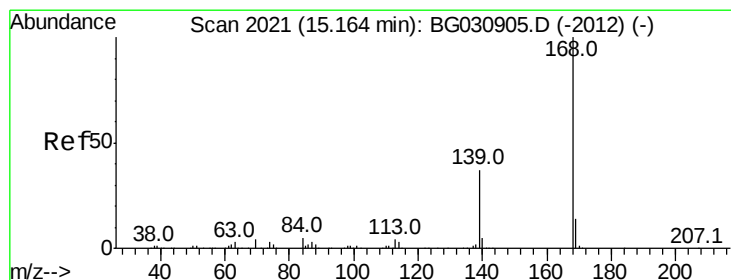
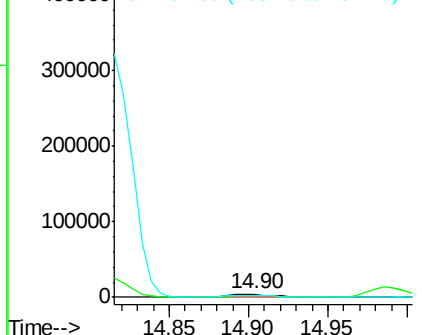
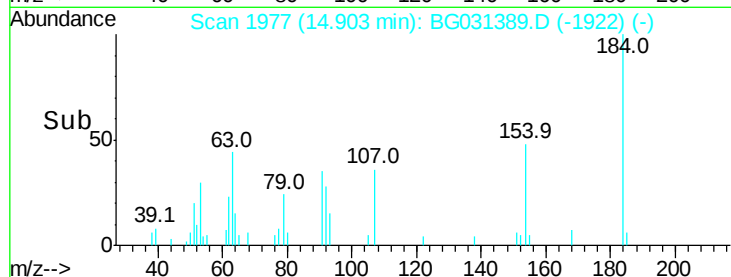
#53  
2,4-Dinitrophenol  
Concen: 10.391 ng  
RT: 14.90 min Scan# 1977  
Delta R.T. 0.02 min  
Lab File: BG031389.D  
Acq: 7 Dec 2017 4:02

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:184 Resp: 9870  
Ion Ratio Lower Upper  
184 100  
63 43.9 59.8 89.8#  
154 47.7 101.8 152.8#

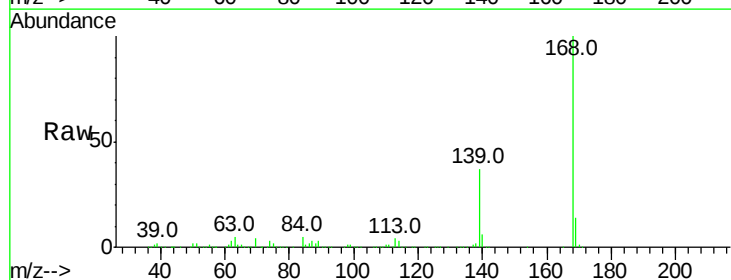


Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 63.00 (62.70 to 63.70): BG  
Ion 154.00 (153.70 to 154.70): E

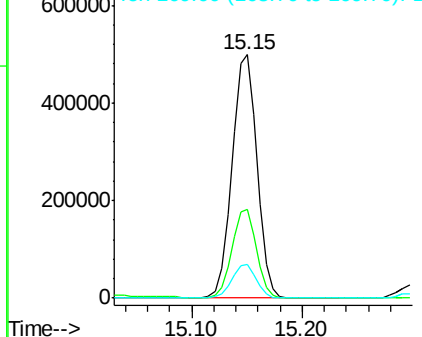
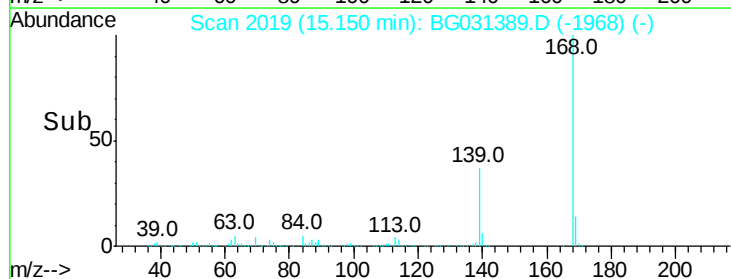


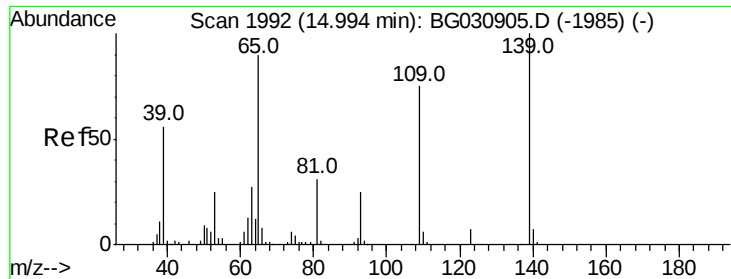
#54  
Dibenzofuran  
Concen: 39.191 ng  
RT: 15.15 min Scan# 2019  
Delta R.T. 0.00 min  
Lab File: BG031389.D  
Acq: 7 Dec 2017 4:02

Tgt Ion:168 Resp: 786972  
Ion Ratio Lower Upper  
168 100  
139 36.7 28.6 43.0  
169 13.8 11.2 16.8



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

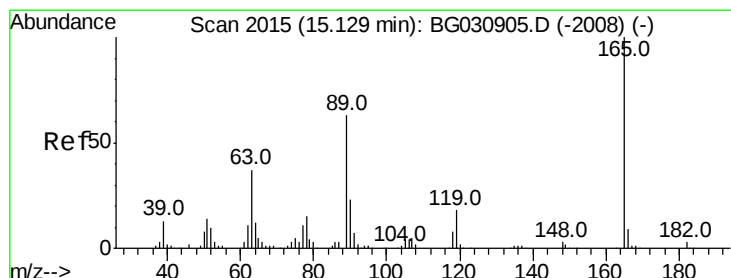
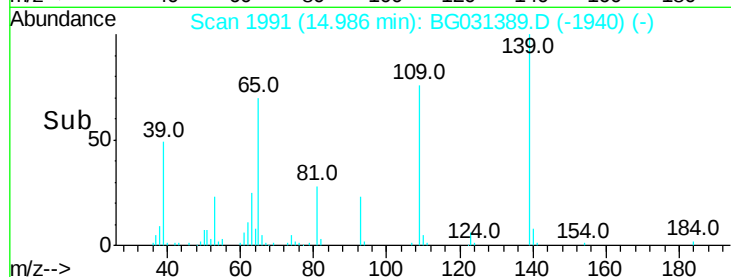
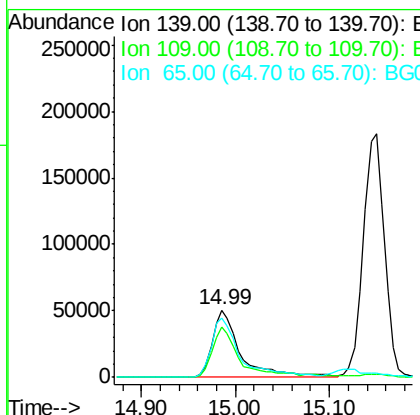
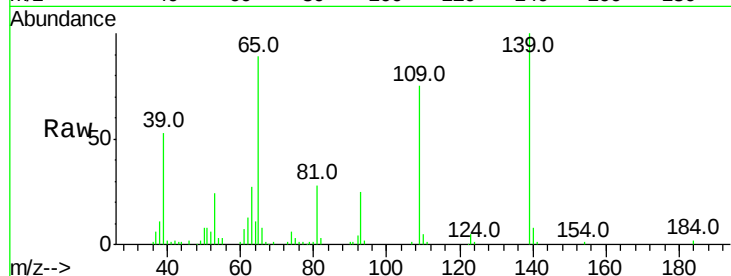




#55  
4-Nitrophenol  
Concen: 38.462 ng  
RT: 14.99 min Scan# 1991  
Delta R.T. 0.00 min  
Lab File: BG031389.D  
Acq: 7 Dec 2017 4:02

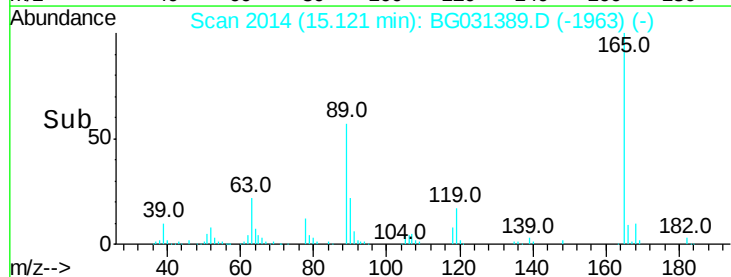
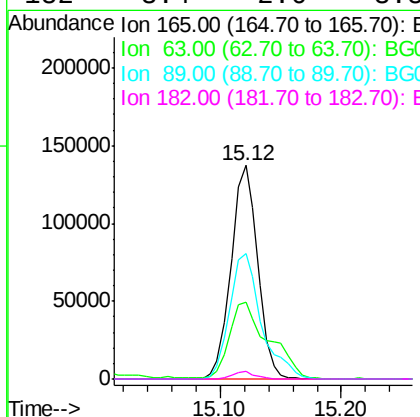
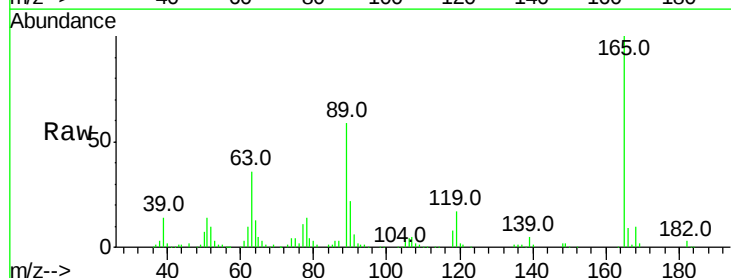
Instrument :  
BNA\_G  
ClientSampled :

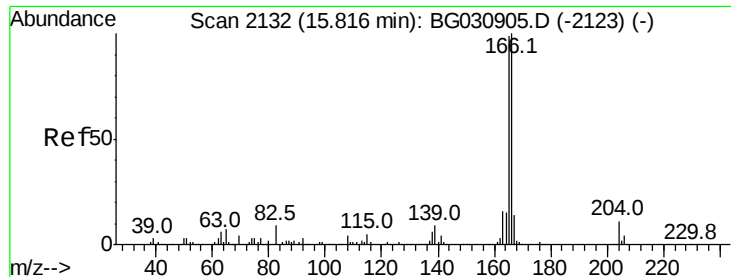
Tot Ion:139 Resp: 106874  
Ion Ratio Lower Upper  
139 100  
109 74.9 62.2 102.2  
65 88.7 97.2 137.2#



#56  
2,4-Dinitrotoluene  
Concen: 39.775 ng  
RT: 15.12 min Scan# 2014  
Delta R.T. 0.00 min  
Lab File: BG031389.D  
Acq: 7 Dec 2017 4:02

Tgt Ion:165 Resp: 211241  
Ion Ratio Lower Upper  
165 100  
63 35.9 42.0 63.0#  
89 58.8 66.9 100.3#  
182 3.4 2.6 3.8





#57

Fluorene

Concen: 38.983 ng

RT: 15.80 min Scan# 2129

Delta R.T. 0.00 min

Lab File: BG031389.D

Acq: 7 Dec 2017 4:02

Instrument :

BNA\_G

ClientSampleId :

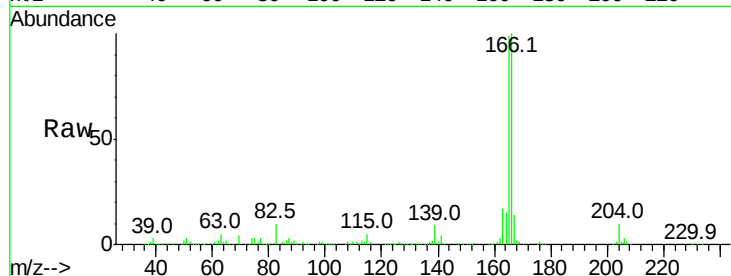
Tot Ion:166 Resp: 635514

Ion Ratio Lower Upper

166 100

165 98.7 80.6 121.0

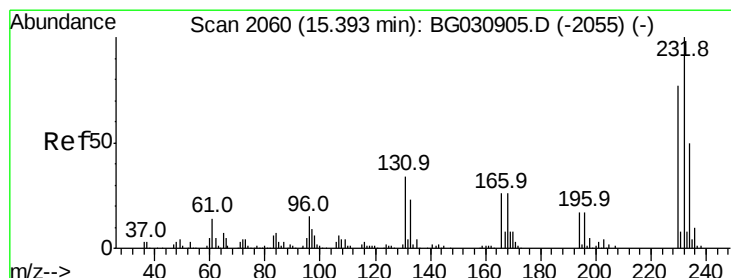
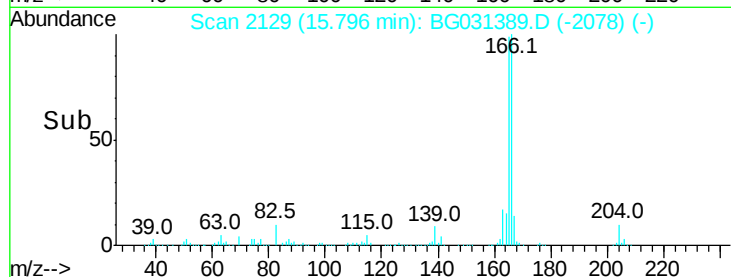
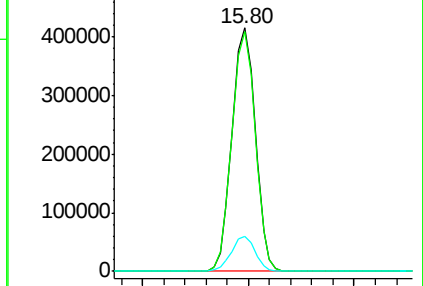
167 14.3 10.4 15.6



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 37.551 ng

RT: 15.38 min Scan# 2058

Delta R.T. 0.00 min

Lab File: BG031389.D

Acq: 7 Dec 2017 4:02

Tgt Ion:232 Resp: 183144

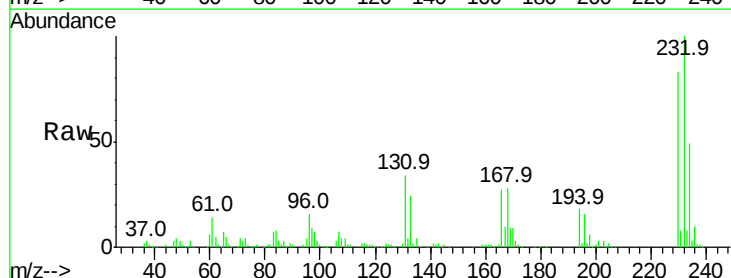
Ion Ratio Lower Upper

232 100

131 33.8 33.5 50.3

130 2.1 2.2 3.2#

166 26.2 24.8 37.2

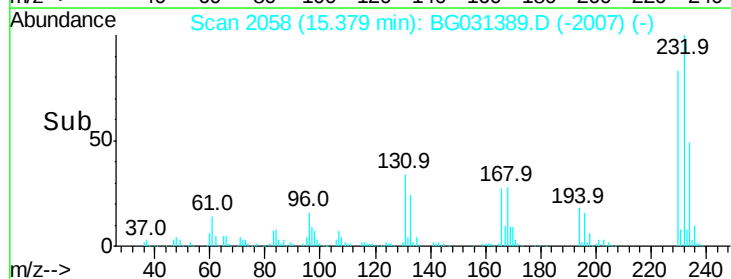
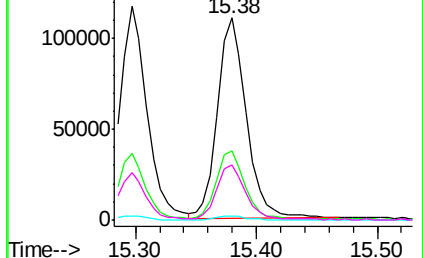


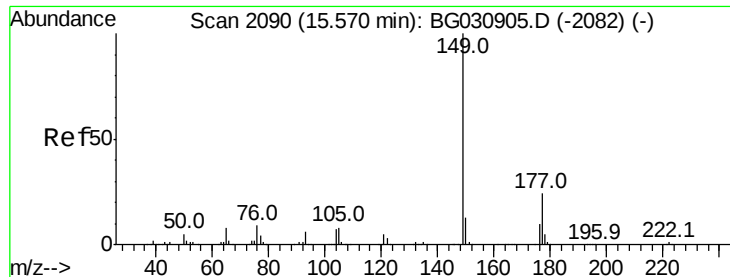
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





#59

Diethylphthalate

Concen: 37.457 ng

RT: 15.55 min Scan# 2087

Delta R.T. 0.00 min

Lab File: BG031389.D

Acq: 7 Dec 2017 4:02

Instrument :

BNA\_G

ClientSampleId :

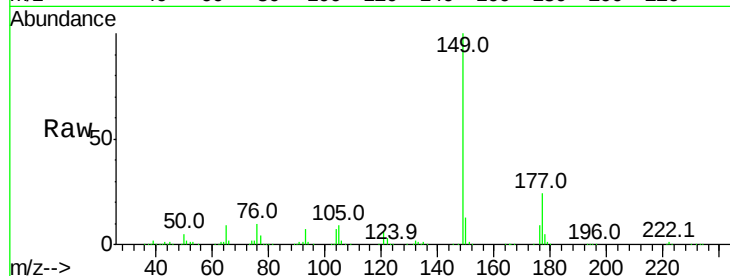
Tot Ion:149 Resp: 678148

Ion Ratio Lower Upper

149 100

177 24.2 18.5 27.7

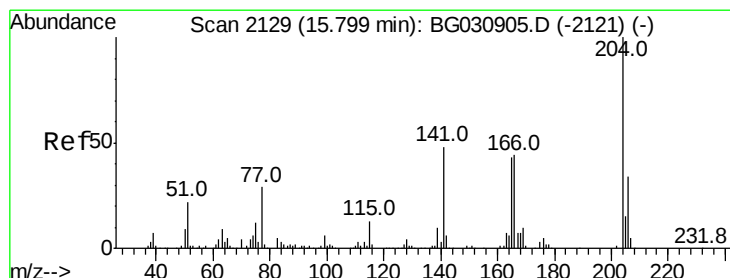
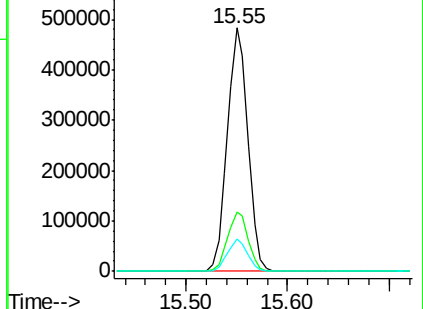
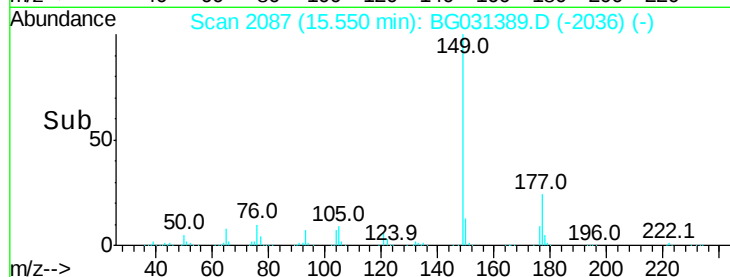
150 13.3 10.2 15.2



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: 39.432 ng

RT: 15.78 min Scan# 2126

Delta R.T. 0.00 min

Lab File: BG031389.D

Acq: 7 Dec 2017 4:02

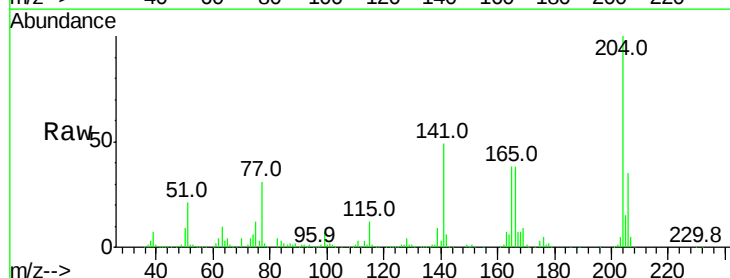
Tgt Ion:204 Resp: 388240

Ion Ratio Lower Upper

204 100

206 34.8 26.2 39.2

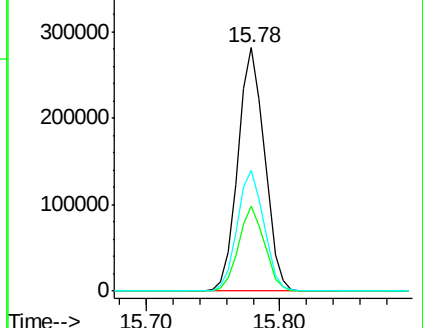
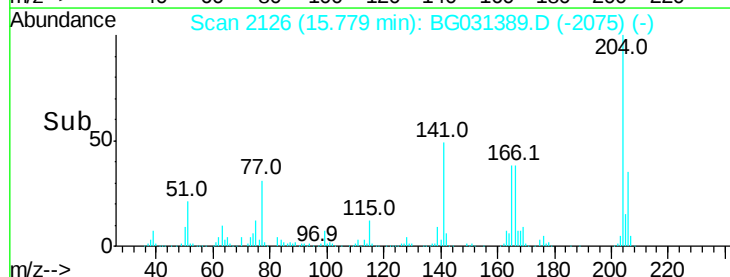
141 49.5 45.8 68.6

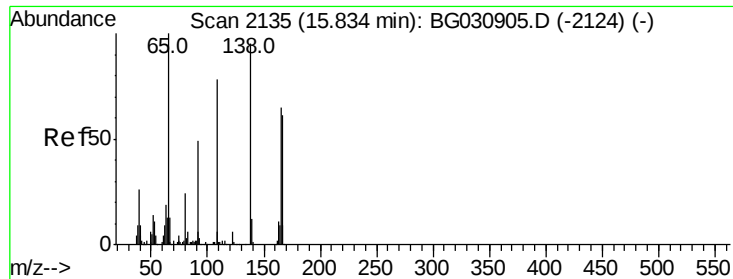


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

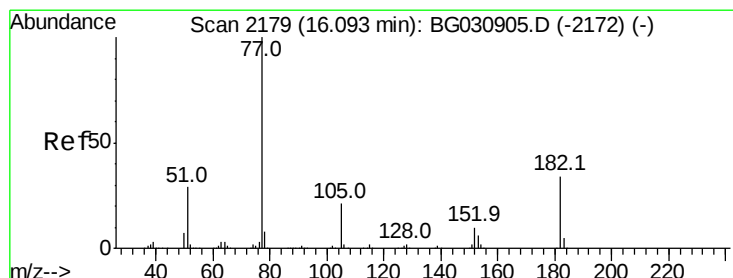
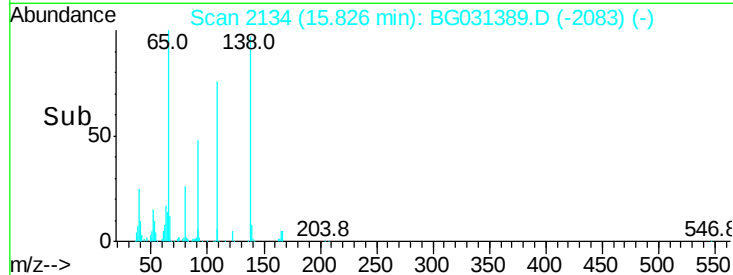
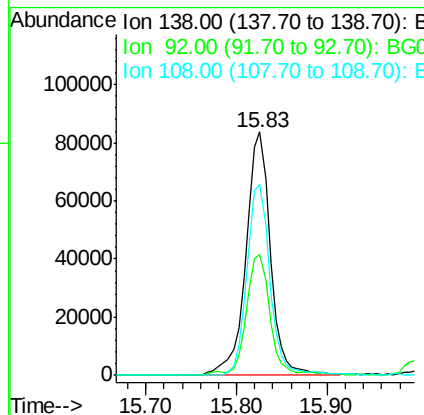
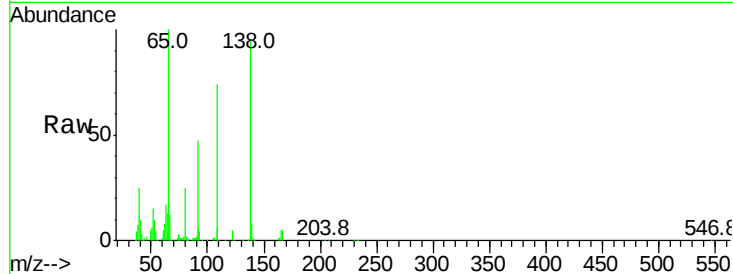




#61  
4-Nitroaniline  
Concen: 38.186 ng  
RT: 15.83 min Scan# 2134  
Delta R.T. 0.00 min  
Lab File: BG031389.D  
Acq: 7 Dec 2017 4:02

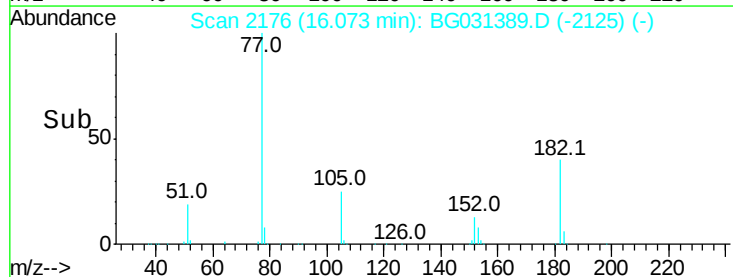
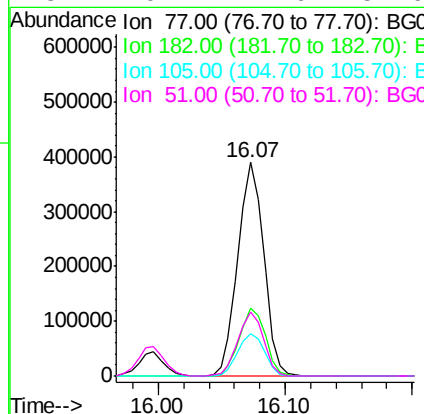
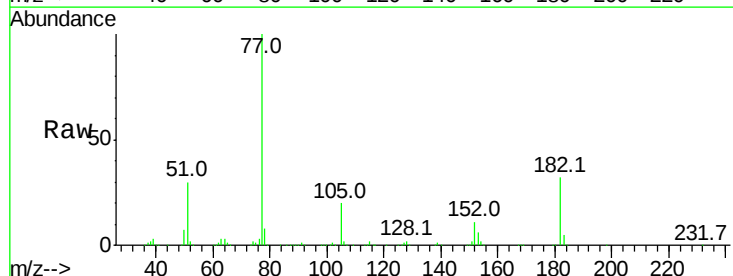
Instrument :  
BNA\_G  
ClientSampled :

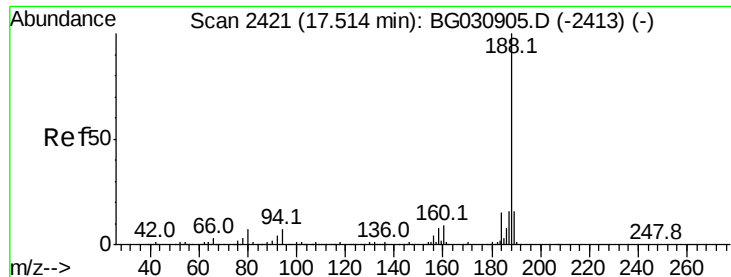
Tot Ion:138 Resp: 157726  
Ion Ratio Lower Upper  
138 100  
92 49.8 40.1 80.1  
108 78.5 65.4 105.4



#62  
Azobenzene  
Concen: 39.935 ng  
RT: 16.07 min Scan# 2176  
Delta R.T. 0.00 min  
Lab File: BG031389.D  
Acq: 7 Dec 2017 4:02

Tgt Ion: 77 Resp: 551403  
Ion Ratio Lower Upper  
77 100  
182 31.9 7.4 47.4  
105 19.8 0.3 40.3  
51 29.7 11.6 51.6

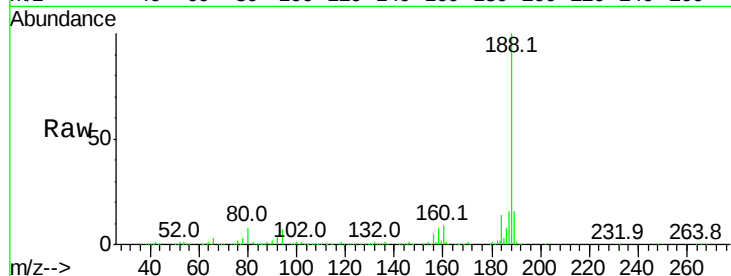




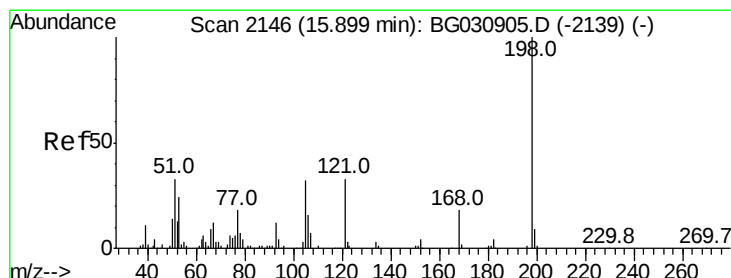
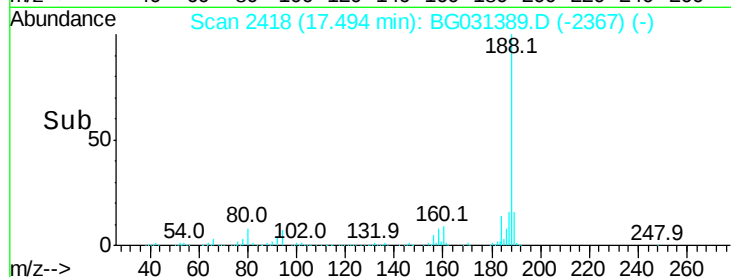
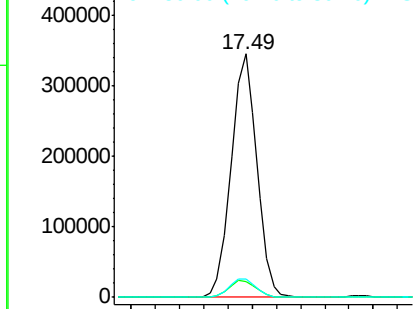
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.49 min Scan# 2418  
Delta R.T. 0.00 min  
Lab File: BG031389.D  
Acq: 7 Dec 2017 4:02

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:188 Resp: 512729  
Ion Ratio Lower Upper  
188 100  
94 6.7 6.9 10.3#  
80 7.7 7.7 11.5

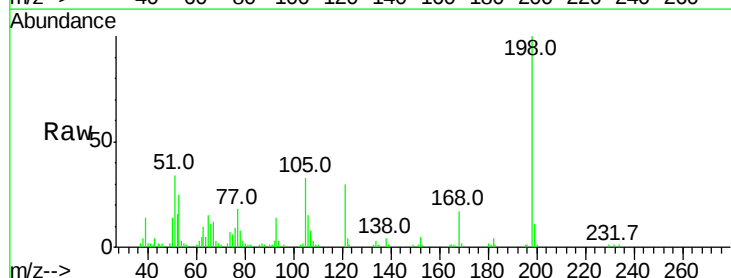


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BGC  
Ion 80.00 (79.70 to 80.70): BGC

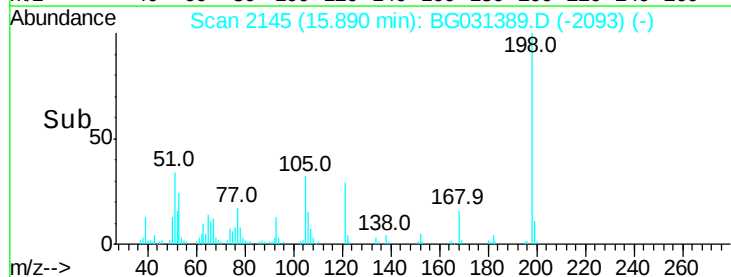
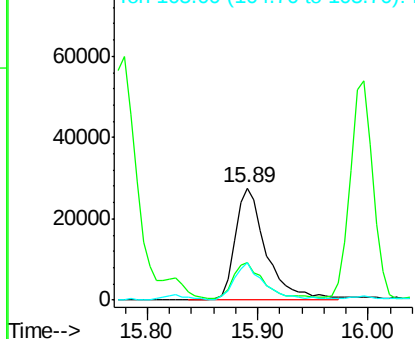


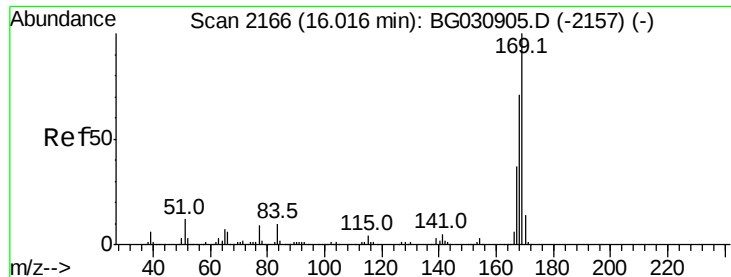
#64  
4,6-Dinitro-2-methylphenol  
Concen: 15.989 ng  
RT: 15.89 min Scan# 2145  
Delta R.T. 0.01 min  
Lab File: BG031389.D  
Acq: 7 Dec 2017 4:02

Tgt Ion:198 Resp: 54493  
Ion Ratio Lower Upper  
198 100  
51 33.6 30.6 70.6  
105 33.3 23.8 63.8



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

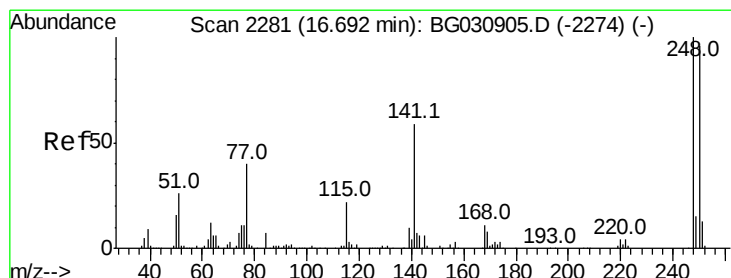
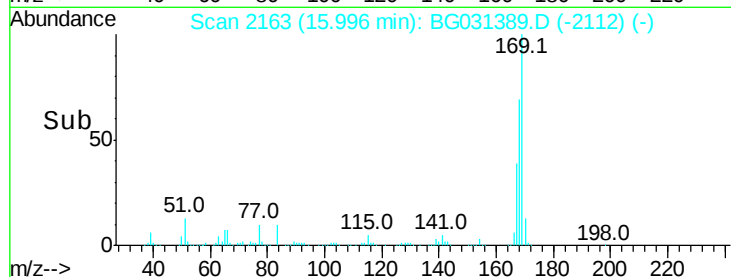
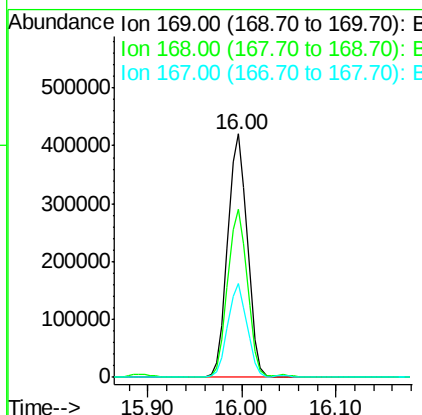
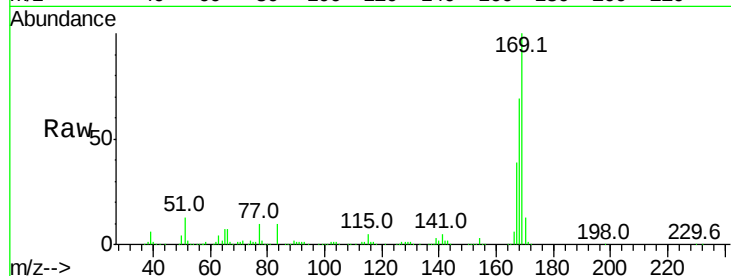




#65  
n-Nitrosodiphenylamine  
Concen: 39.471 ng  
RT: 16.00 min Scan# 2163  
Delta R.T. 0.00 min  
Lab File: BG031389.D  
Acq: 7 Dec 2017 4:02

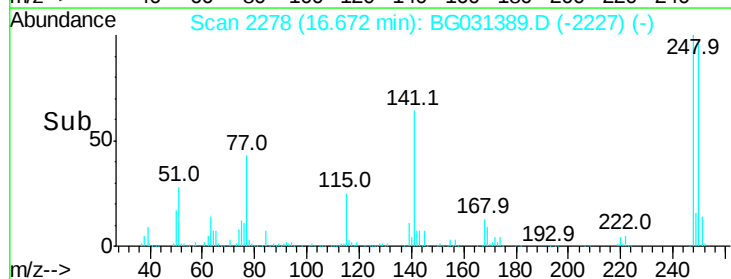
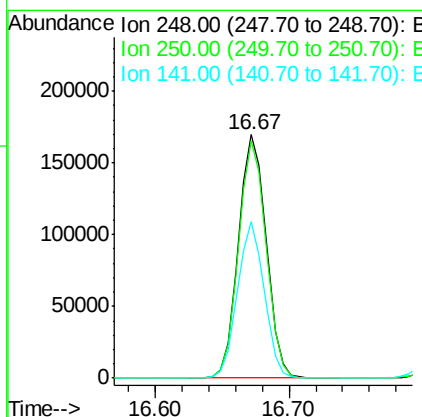
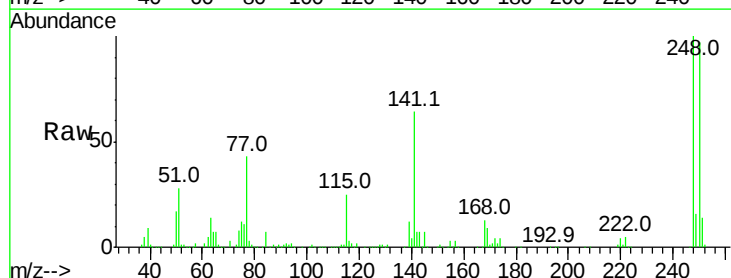
Instrument :  
BNA\_G  
ClientSampleId :

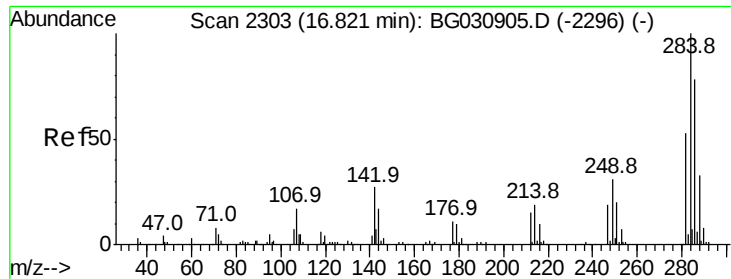
Tot Ion:169 Resp: 613256  
Ion Ratio Lower Upper  
169 100  
168 68.9 55.7 83.5  
167 38.5 30.1 45.1



#66  
4-Bromophenyl-phenylether  
Concen: 37.510 ng  
RT: 16.67 min Scan# 2278  
Delta R.T. 0.00 min  
Lab File: BG031389.D  
Acq: 7 Dec 2017 4:02

Tgt Ion:248 Resp: 243585  
Ion Ratio Lower Upper  
248 100  
250 97.5 77.1 115.7  
141 64.3 50.8 76.2





#67

Hexachlorobenzene

Concen: 35.784 ng

RT: 16.81 min Scan# 2301

Delta R.T. 0.01 min

Lab File: BG031389.D

Acq: 7 Dec 2017 4:02

Instrument :

BNA\_G

ClientSampleId :

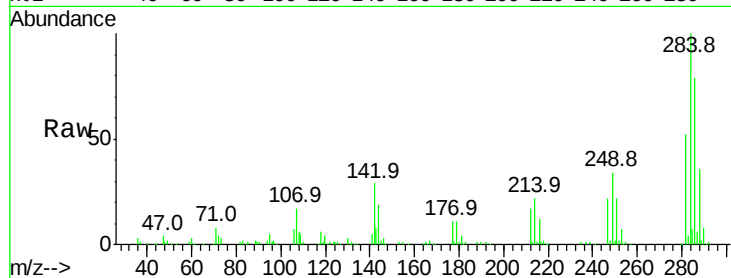
Tot Ion:284 Resp: 246913

Ion Ratio Lower Upper

284 100

142 29.3 26.8 40.2

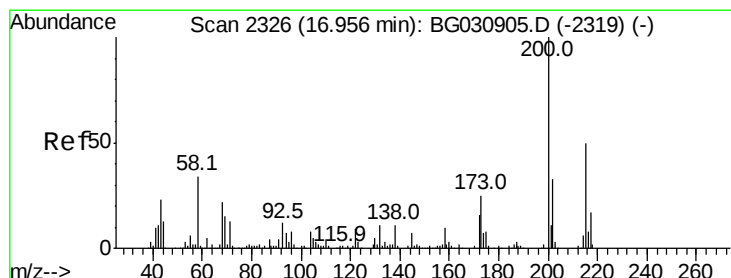
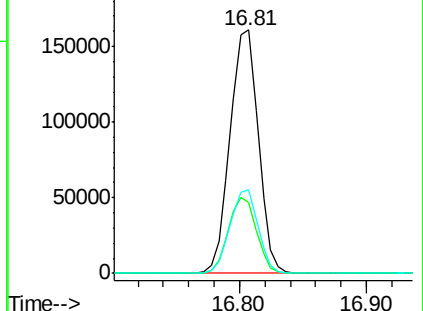
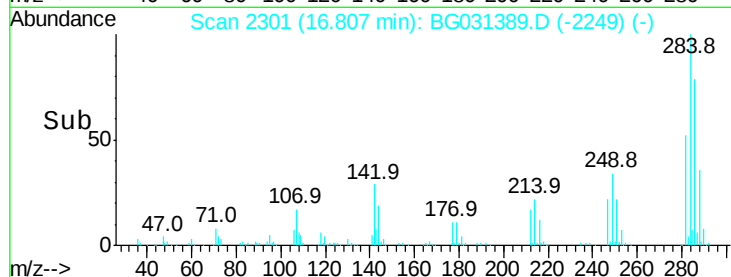
249 34.2 26.3 39.5



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: 36.197 ng

RT: 16.94 min Scan# 2323

Delta R.T. 0.00 min

Lab File: BG031389.D

Acq: 7 Dec 2017 4:02

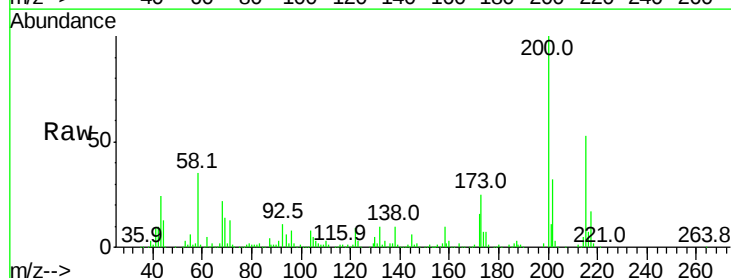
Tgt Ion:200 Resp: 232037

Ion Ratio Lower Upper

200 100

173 25.3 5.2 45.2

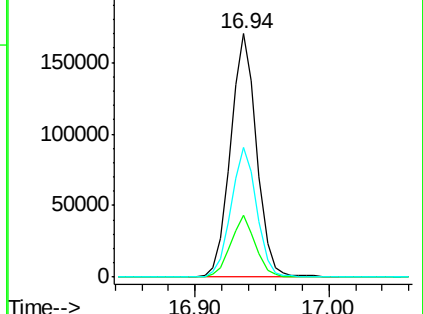
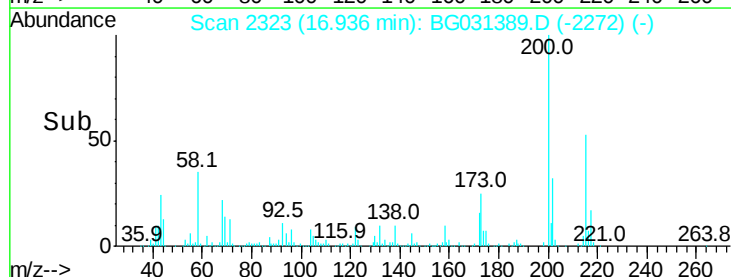
215 53.1 30.4 70.4

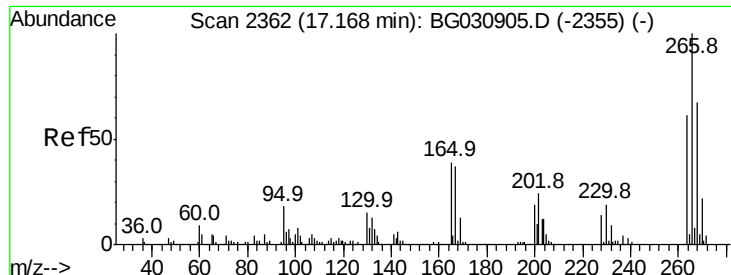


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





#69

Pentachlorophenol

Concen: 29.922 ng

RT: 17.15 min Scan# 2360

Delta R.T. 0.00 min

Lab File: BG031389.D

Acq: 7 Dec 2017 4:02

Instrument :

BNA\_G

ClientSampleId :

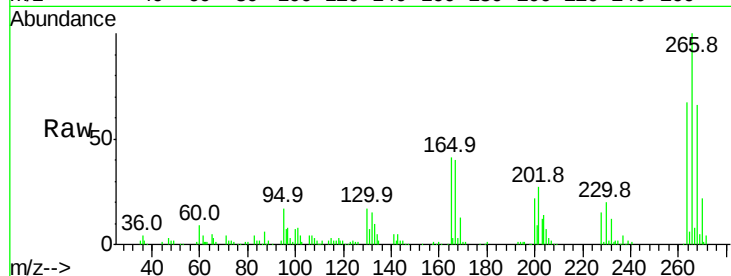
Tot Ion:266 Resp: 114128

Ion Ratio Lower Upper

266 100

268 65.9 51.1 76.7

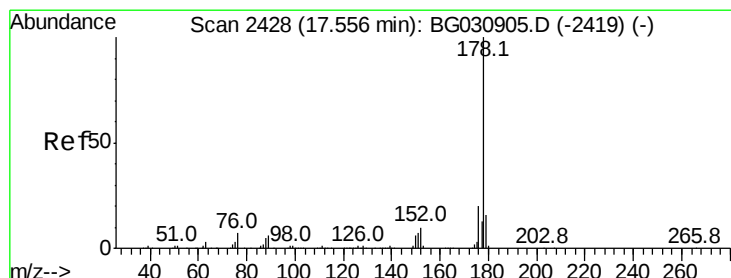
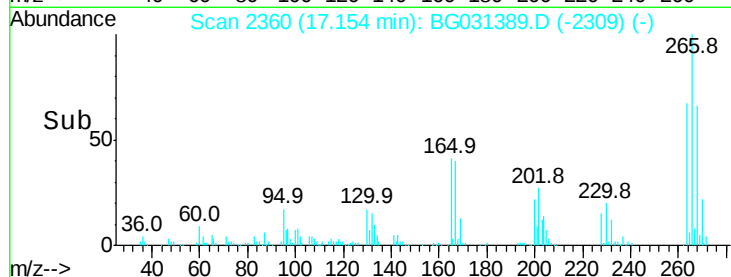
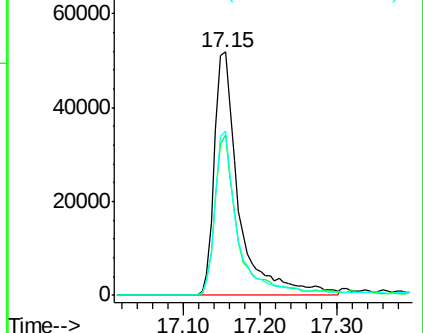
264 67.2 49.6 74.4



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: 38.668 ng

RT: 17.54 min Scan# 2425

Delta R.T. 0.00 min

Lab File: BG031389.D

Acq: 7 Dec 2017 4:02

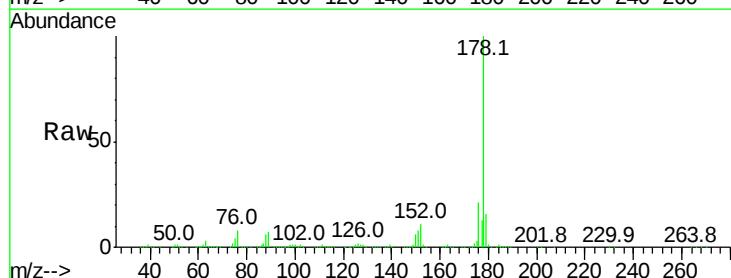
Tgt Ion:178 Resp: 1032297

Ion Ratio Lower Upper

178 100

176 21.0 15.7 23.5

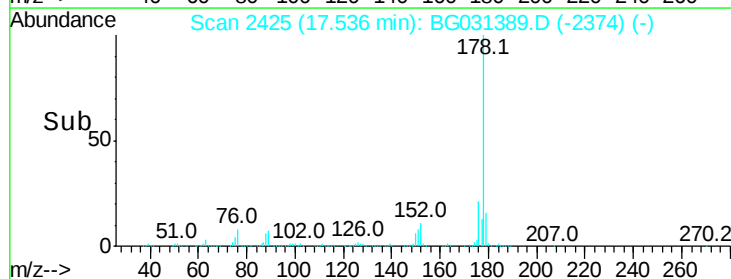
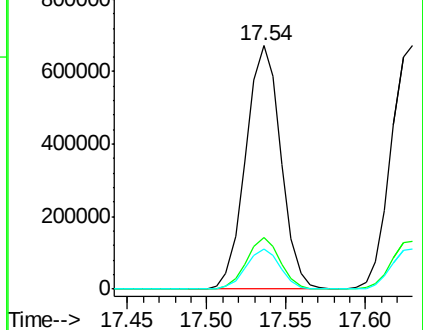
179 16.4 12.5 18.7

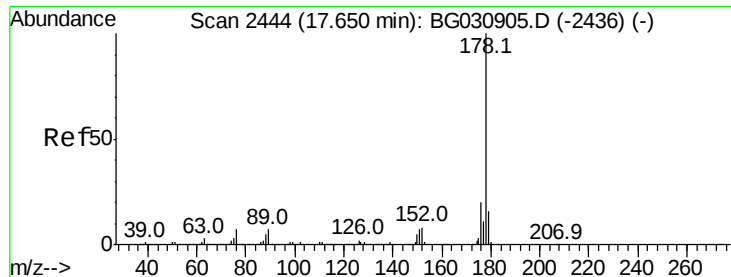


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

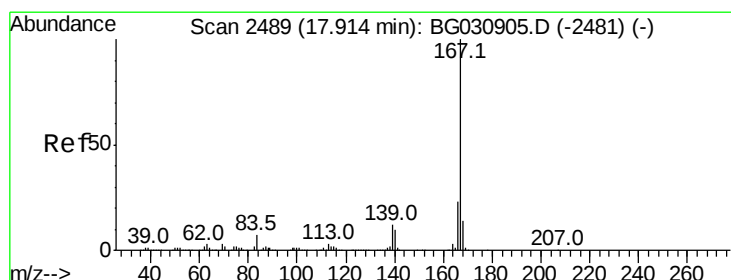
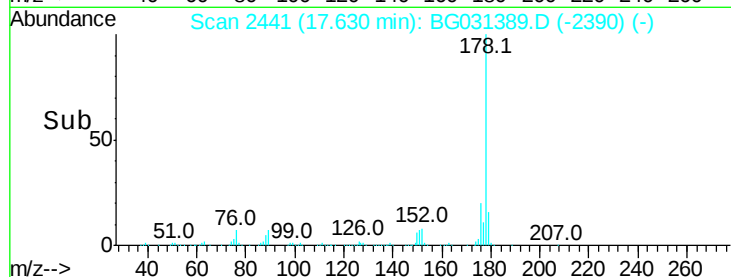
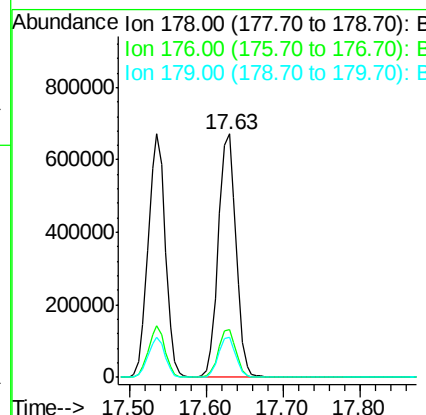
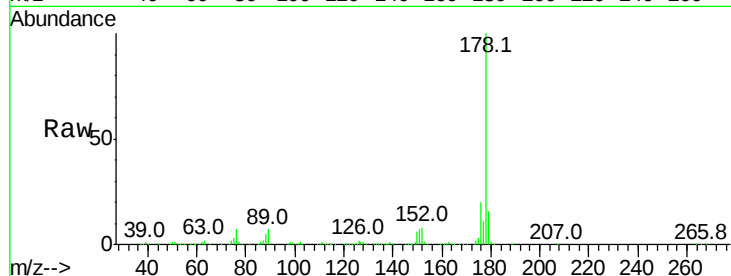




#71  
 Anthracene  
 Concen: 39.365 ng  
 RT: 17.63 min Scan# 2441  
 Delta R.T. 0.00 min  
 Lab File: BG031389.D  
 Acq: 7 Dec 2017 4:02

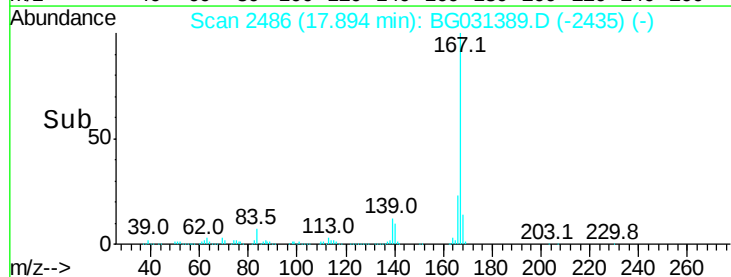
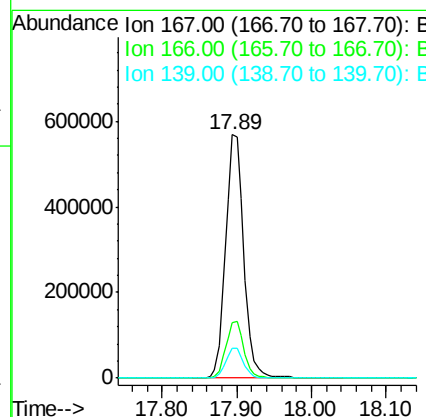
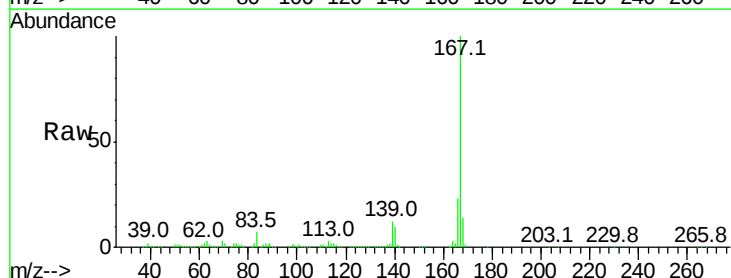
Instrument :  
 BNA\_G  
 ClientSampleId :

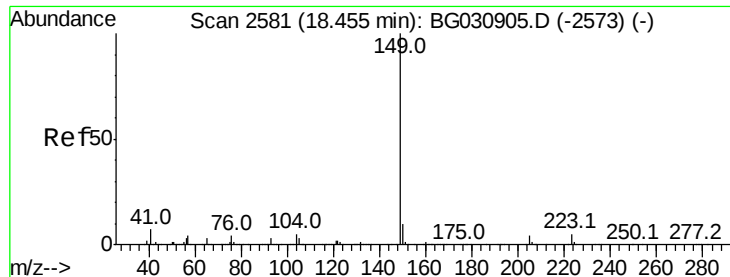
Tot Ion:178 Resp: 1052994  
 Ion Ratio Lower Upper  
 178 100  
 176 19.8 16.0 24.0  
 179 16.4 12.5 18.7



#72  
 Carbazole  
 Concen: 38.355 ng  
 RT: 17.89 min Scan# 2486  
 Delta R.T. 0.00 min  
 Lab File: BG031389.D  
 Acq: 7 Dec 2017 4:02

Tgt Ion:167 Resp: 961353  
 Ion Ratio Lower Upper  
 167 100  
 166 22.8 18.2 27.4  
 139 12.5 9.4 14.2

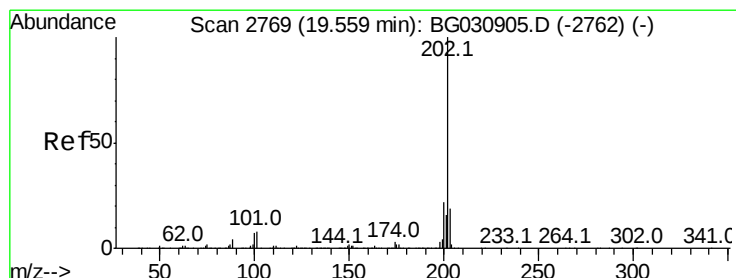
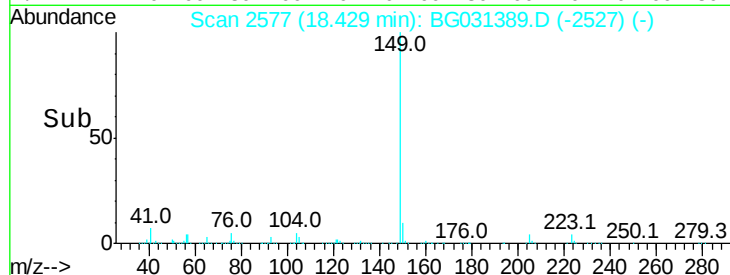
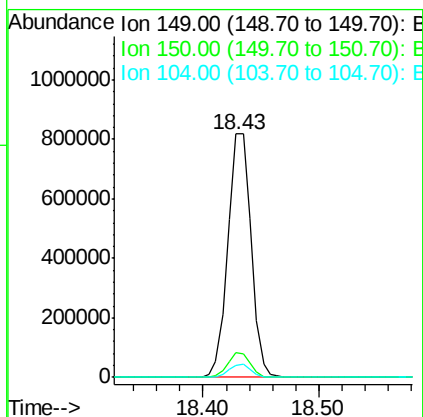
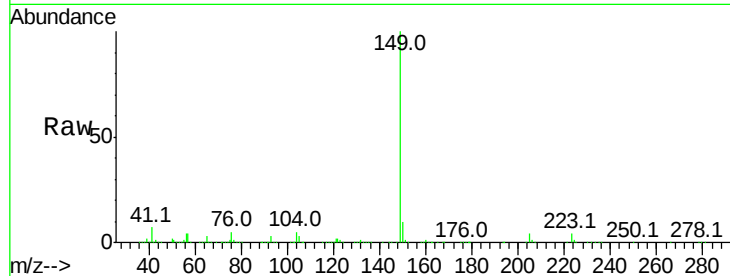




#73  
Di-n-butylphthalate  
Concen: 37.105 ng  
RT: 18.43 min Scan# 2577  
Delta R.T. -0.01 min  
Lab File: BG031389.D  
Acq: 7 Dec 2017 4:02

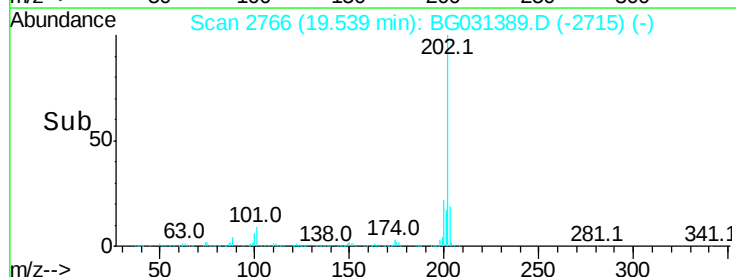
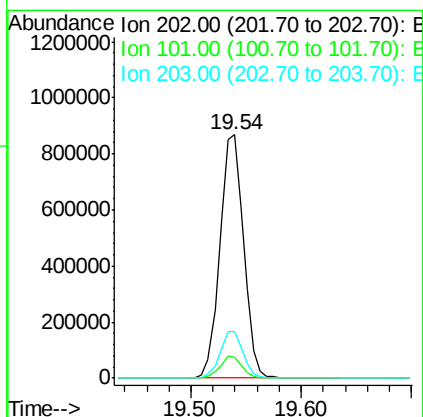
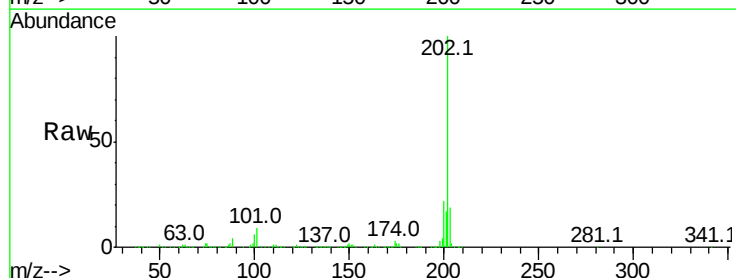
Instrument :  
BNA\_G  
ClientSampleId :

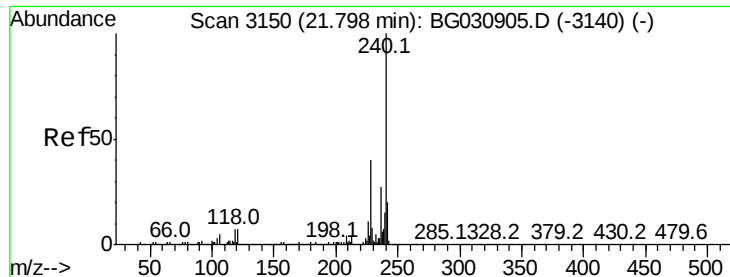
Tot Ion:149 Resp: 1141910  
Ion Ratio Lower Upper  
149 100  
150 10.2 7.8 11.6  
104 5.0 3.9 5.9



#74  
Fluoranthene  
Concen: 38.523 ng  
RT: 19.54 min Scan# 2766  
Delta R.T. 0.00 min  
Lab File: BG031389.D  
Acq: 7 Dec 2017 4:02

Tgt Ion:202 Resp: 1302108  
Ion Ratio Lower Upper  
202 100  
101 8.6 0.0 28.9  
203 19.1 0.0 37.5





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.77 min Scan# 3145

Delta R.T. -0.01 min

Lab File: BG031389.D

Acq: 7 Dec 2017 4:02

Instrument :

BNA\_G

ClientSampleId :

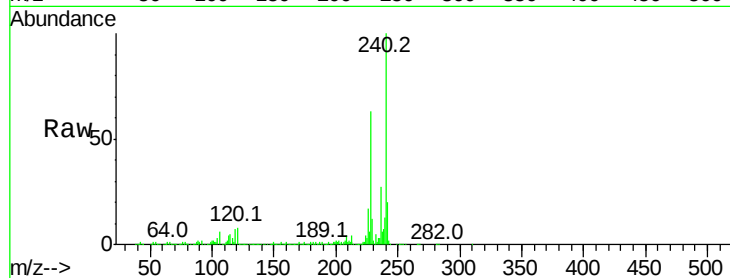
Tot Ion:240 Resp: 538412

Ion Ratio Lower Upper

240 100

120 7.9 6.8 10.2

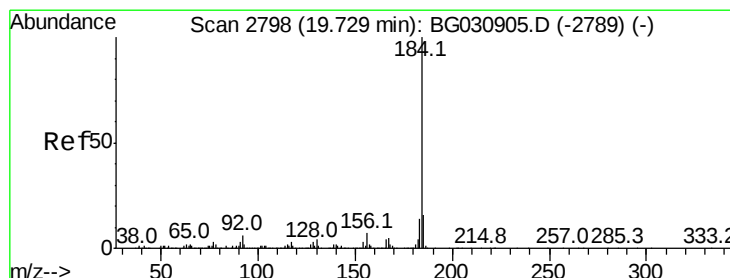
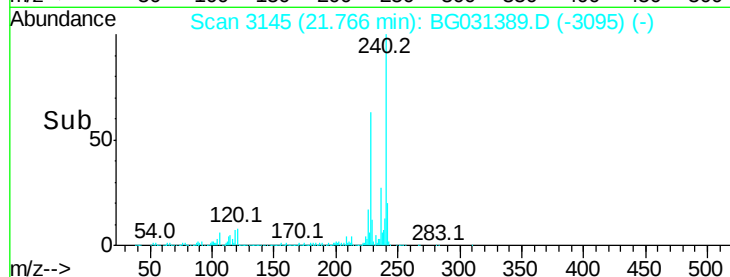
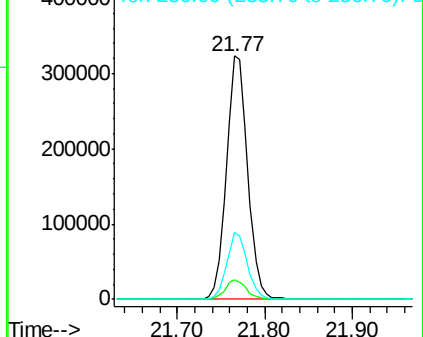
236 27.4 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 32.056 ng

RT: 19.71 min Scan# 2795

Delta R.T. 0.00 min

Lab File: BG031389.D

Acq: 7 Dec 2017 4:02

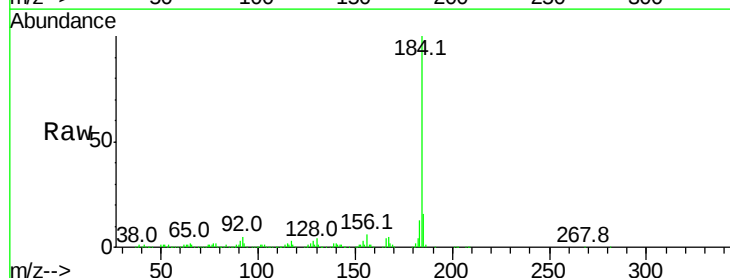
Tgt Ion:184 Resp: 554413

Ion Ratio Lower Upper

184 100

185 16.2 11.1 16.7

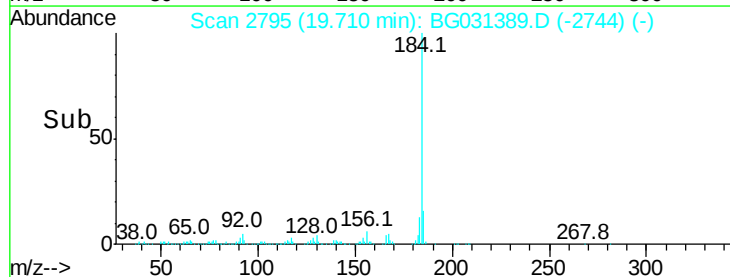
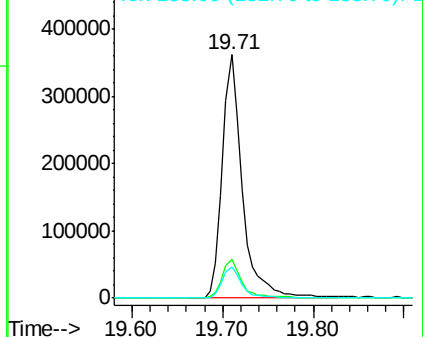
183 12.8 10.6 16.0

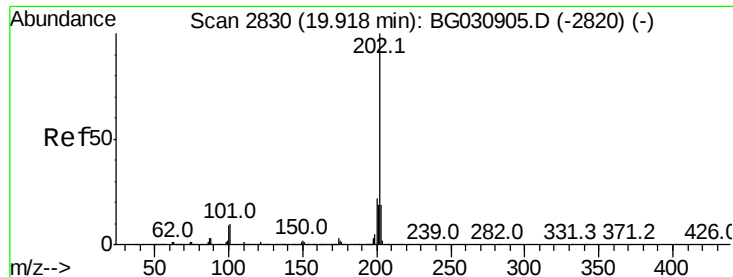


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

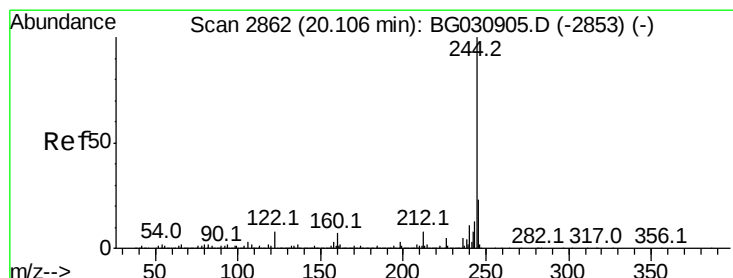
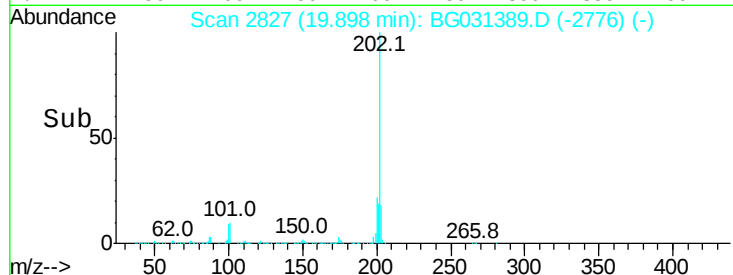
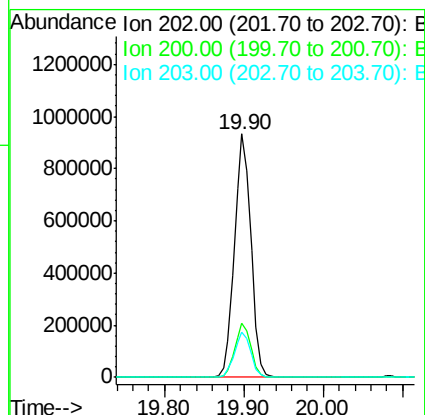
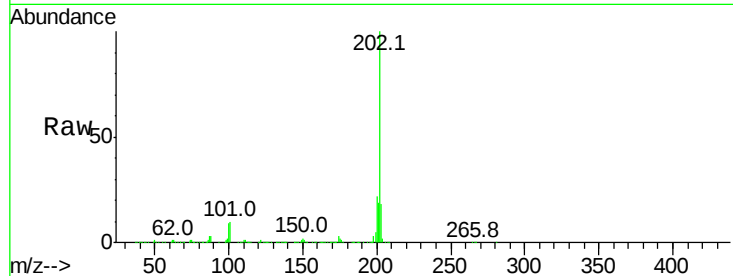




#77  
Pvrene  
Concen: 41.841 ng  
RT: 19.90 min Scan# 2827  
Delta R.T. 0.00 min  
Lab File: BG031389.D  
Acq: 7 Dec 2017 4:02

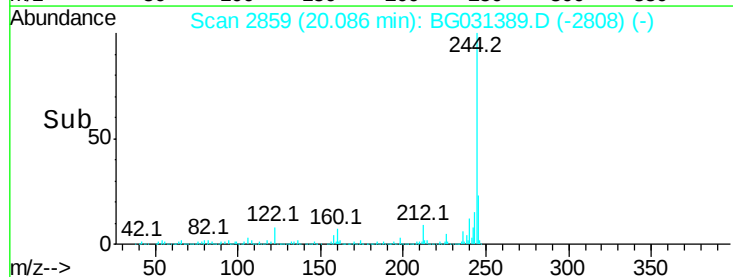
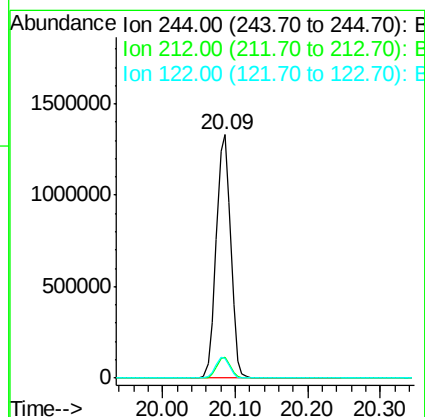
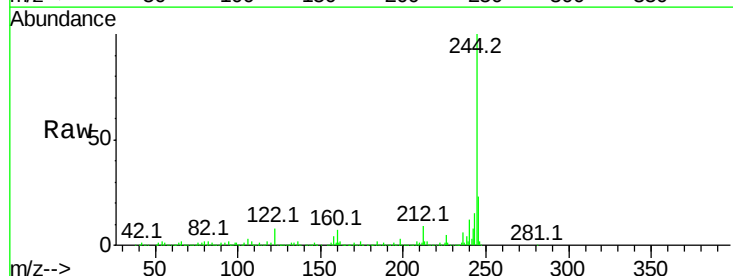
Instrument :  
BNA\_G  
ClientSampleId :

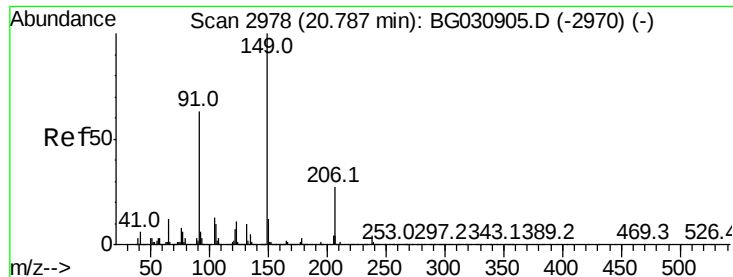
Tot Ion:202 Resp: 1336796  
Ion Ratio Lower Upper  
202 100  
200 22.4 16.9 25.3  
203 18.4 13.9 20.9



#78  
Terphenyl-d14  
Concen: 75.822 ng  
RT: 20.09 min Scan# 2859  
Delta R.T. 0.00 min  
Lab File: BG031389.D  
Acq: 7 Dec 2017 4:02

Tgt Ion:244 Resp: 1848809  
Ion Ratio Lower Upper  
244 100  
212 8.6 5.8 8.8  
122 8.2 7.0 10.4





#79

Butylbenzylphthalate

Concen: 40.341 ng

RT: 20.76 min Scan# 2974

Delta R.T. 0.00 min

Lab File: BG031389.D

Acq: 7 Dec 2017 4:02

Instrument :

BNA\_G

ClientSampled :

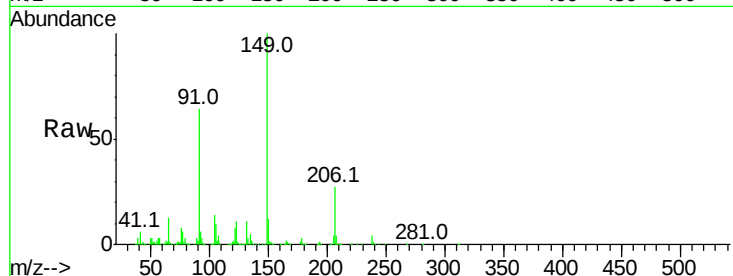
Tot Ion:149 Resp: 513890

Ion Ratio Lower Upper

149 100

91 64.0 62.2 93.2

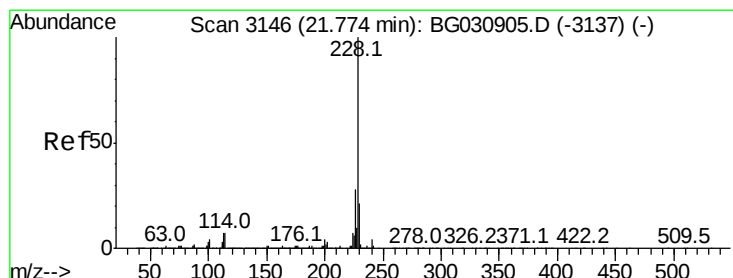
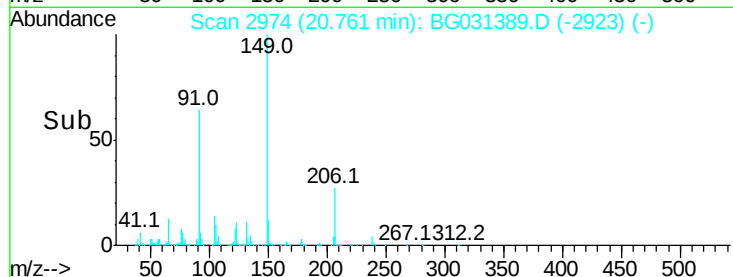
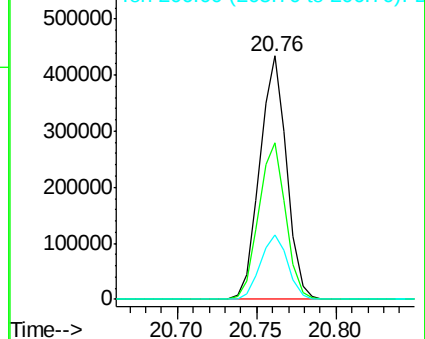
206 26.6 18.6 27.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 39.253 ng

RT: 21.75 min Scan# 3142

Delta R.T. 0.00 min

Lab File: BG031389.D

Acq: 7 Dec 2017 4:02

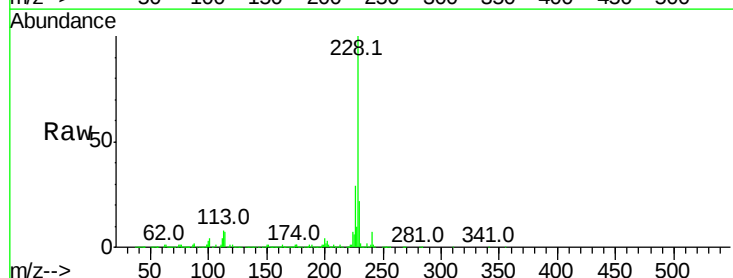
Tgt Ion:228 Resp: 1312757

Ion Ratio Lower Upper

228 100

226 29.4 22.7 34.1

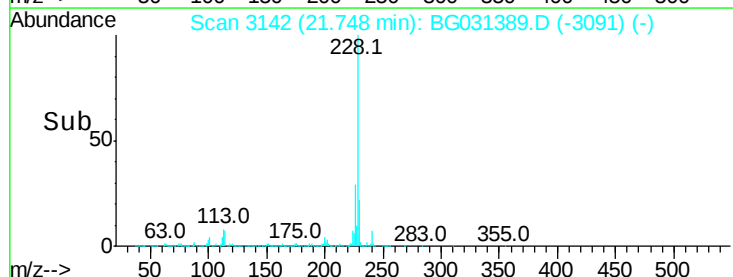
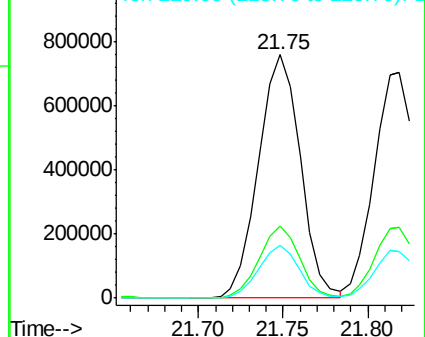
229 21.8 16.2 24.2

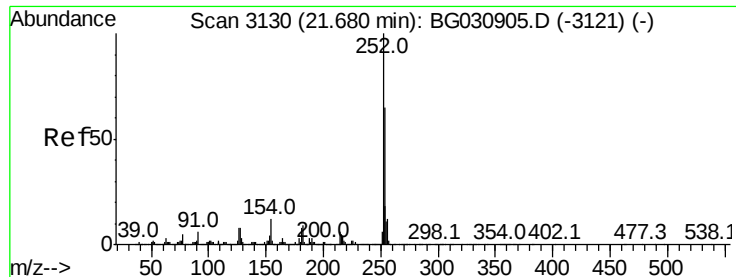


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

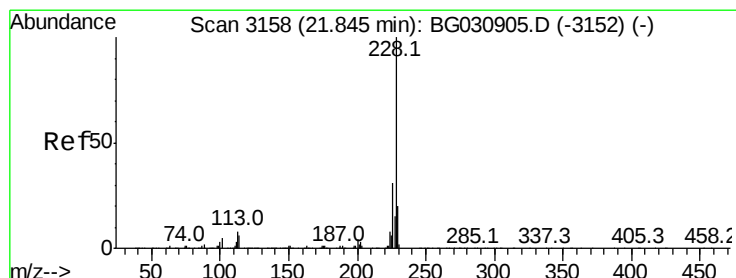
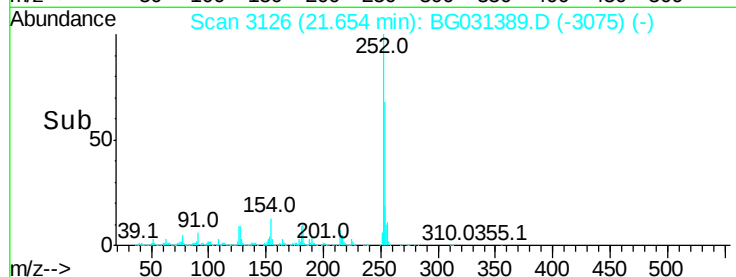
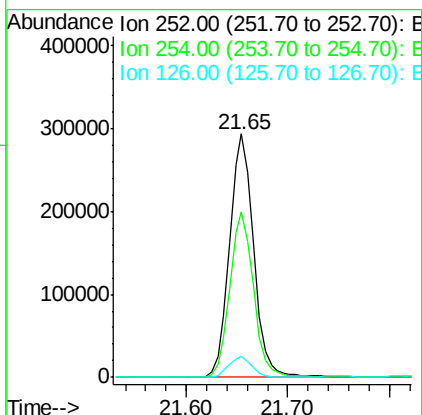
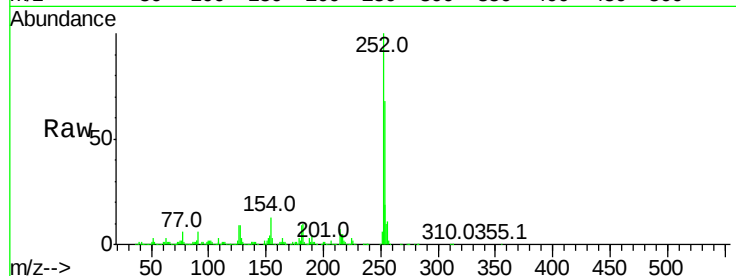




#81  
 3,3'-Dichlorobenzidine  
 Concen: 35.858 ng  
 RT: 21.65 min Scan# 3126  
 Delta R.T. 0.00 min  
 Lab File: BG031389.D  
 Acq: 7 Dec 2017 4:02

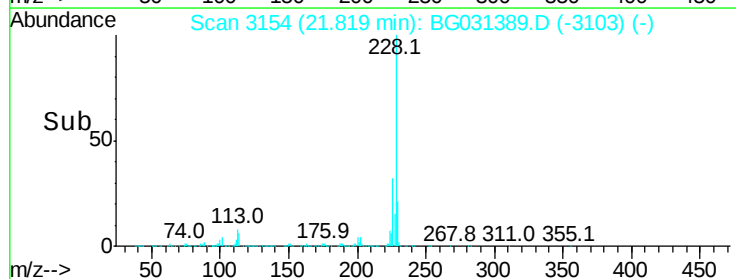
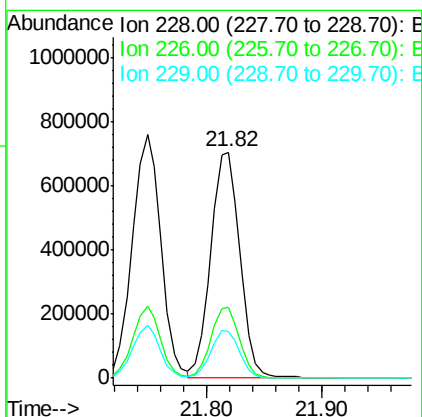
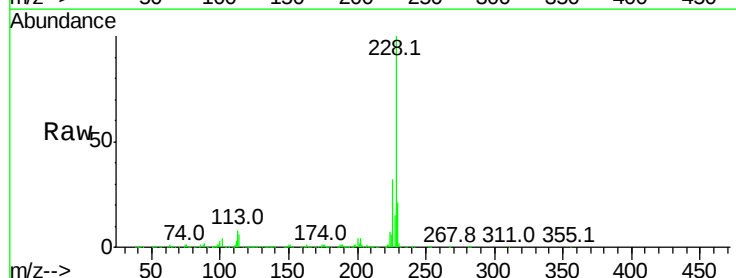
Instrument :  
 BNA\_G  
 ClientSampleId :

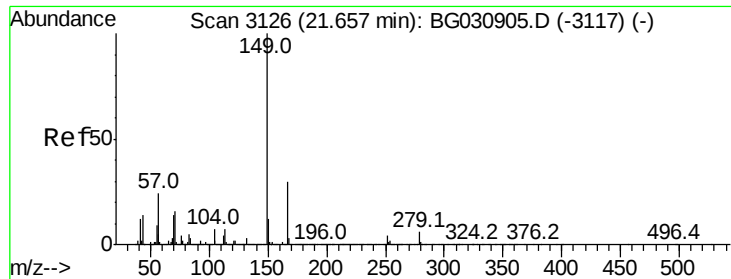
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 68.1  | 50.8  | 76.2  |
| 126     | 8.7   | 7.4   | 11.2  |



#82  
 Chrysene  
 Concen: 39.643 ng  
 RT: 21.82 min Scan# 3154  
 Delta R.T. 0.00 min  
 Lab File: BG031389.D  
 Acq: 7 Dec 2017 4:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 31.5  | 24.9  | 37.3  |
| 229     | 20.6  | 15.0  | 22.4  |





#83

Bis(2-ethylhexyl)phthalate

Concen: 39.766 ng

RT: 21.62 min Scan# 3120

Delta R.T. -0.01 min

Lab File: BG031389.D

Acq: 7 Dec 2017 4:02

Instrument :

BNA\_G

ClientSampleId :

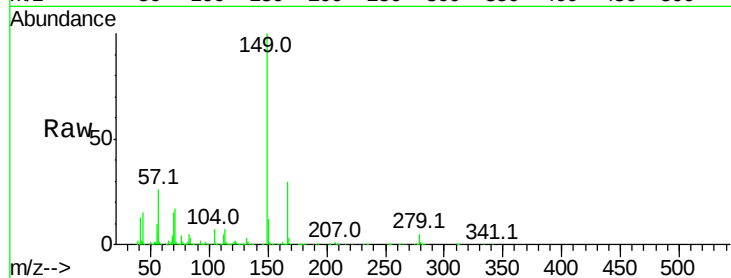
Tot Ion:149 Resp: 731222

Ion Ratio Lower Upper

149 100

167 30.1 24.3 36.5

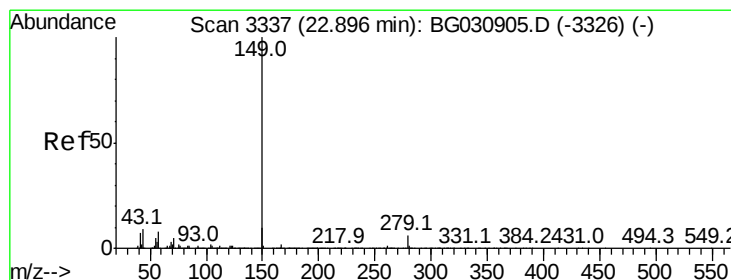
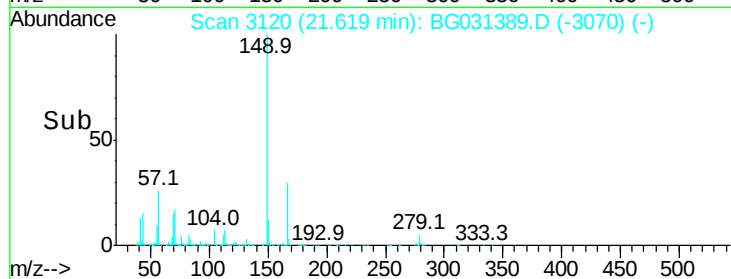
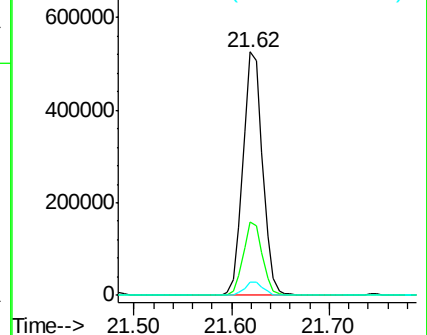
279 5.2 4.0 6.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 40.582 ng

RT: 22.85 min Scan# 3329

Delta R.T. -0.01 min

Lab File: BG031389.D

Acq: 7 Dec 2017 4:02

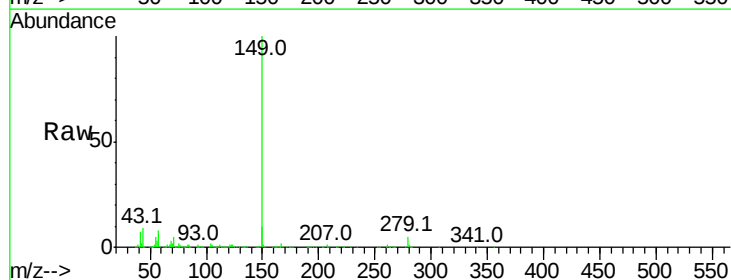
Tgt Ion:149 Resp: 1214573

Ion Ratio Lower Upper

149 100

167 1.8 1.4 2.0

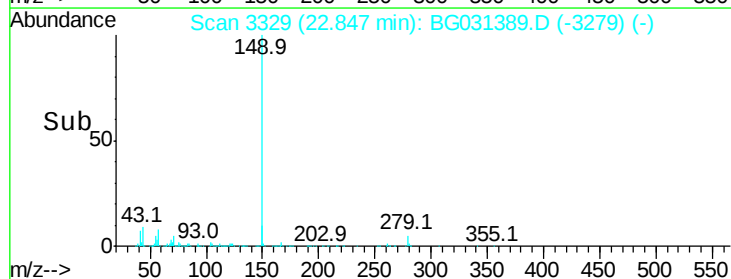
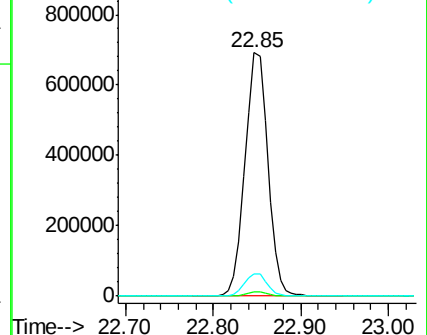
43 9.0 8.9 13.3

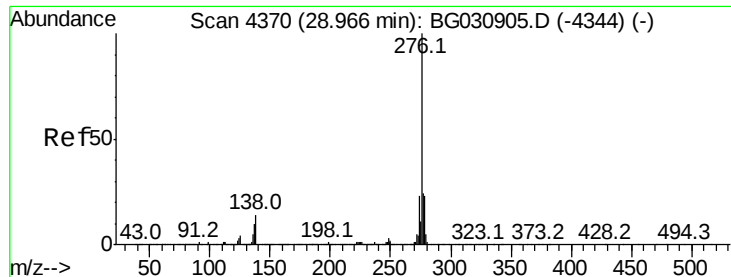


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BG





#85

Indeno(1,2,3-cd)pyrene

Concen: 36.560 ng

RT: 28.86 min Scan# 4353

Delta R.T. 0.01 min

Lab File: BG031389.D

Acq: 7 Dec 2017 4:02

Instrument :

BNA\_G

ClientSampleId :

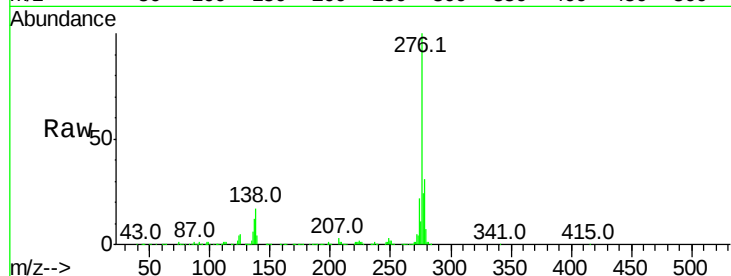
Tot Ion:276 Resp: 1375012

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 138 | 0.0   | 16.0  | 24.0# |
| 277 | 26.2  | 20.0  | 30.0  |

276 100

138 0.0 16.0 24.0#

277 26.2 20.0 30.0

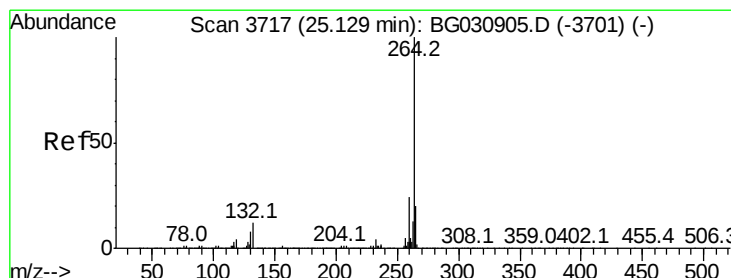
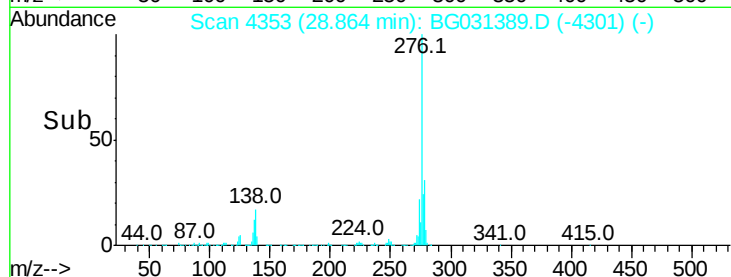
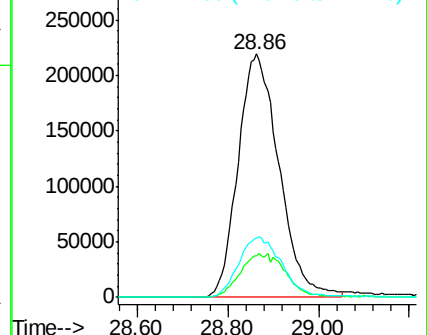


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.07 min Scan# 3707

Delta R.T. 0.00 min

Lab File: BG031389.D

Acq: 7 Dec 2017 4:02

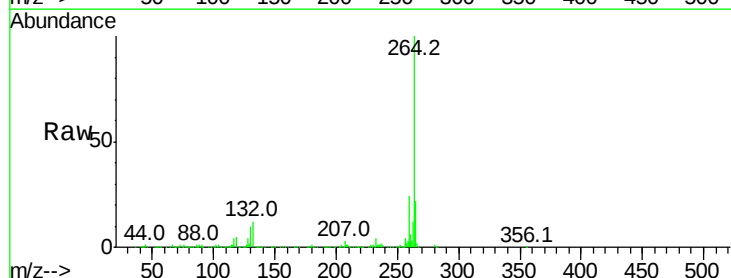
Tgt Ion:264 Resp: 530919

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.4  | 17.4  | 26.0  |
| 265 | 22.1  | 17.7  | 26.5  |

264 100

260 24.4 17.4 26.0

265 22.1 17.7 26.5

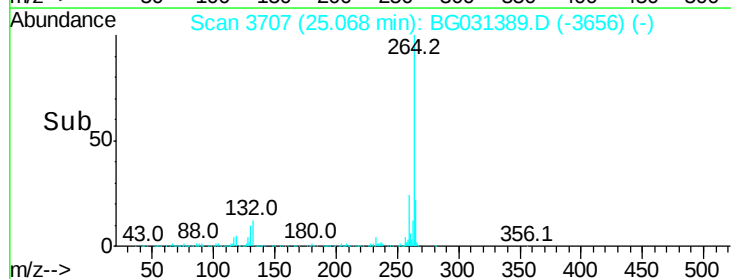
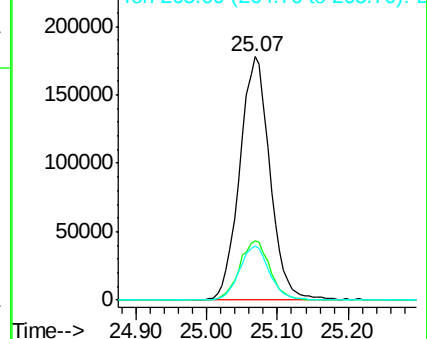


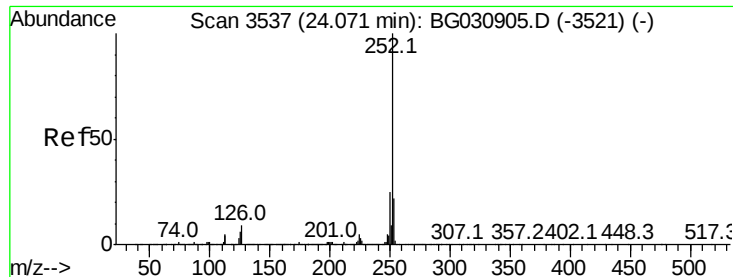
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 39.922 ng

RT: 24.09 min Scan# 3540

Delta R.T. 0.07 min

Lab File: BG031389.D

Acq: 7 Dec 2017 4:02

Instrument :

BNA\_G

ClientSampleId :

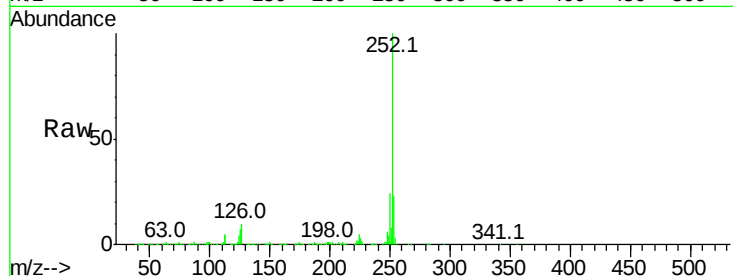
Tot Ion:252 Resp: 1282109

Ion Ratio Lower Upper

252 100

253 23.2 18.2 27.4

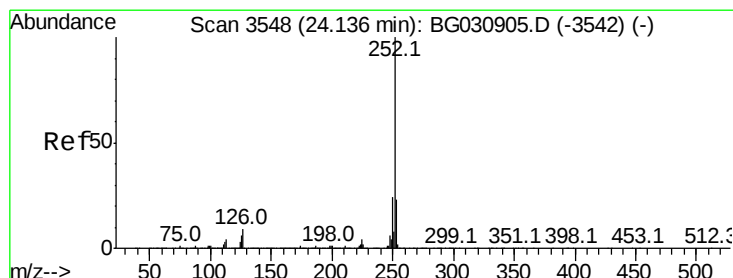
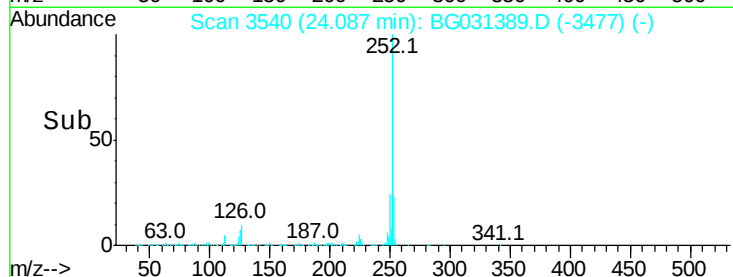
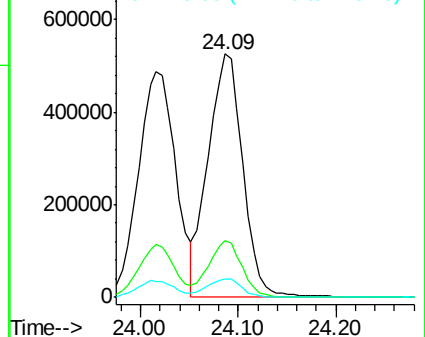
125 7.4 7.2 10.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 40.277 ng

RT: 24.09 min Scan# 3540

Delta R.T. 0.00 min

Lab File: BG031389.D

Acq: 7 Dec 2017 4:02

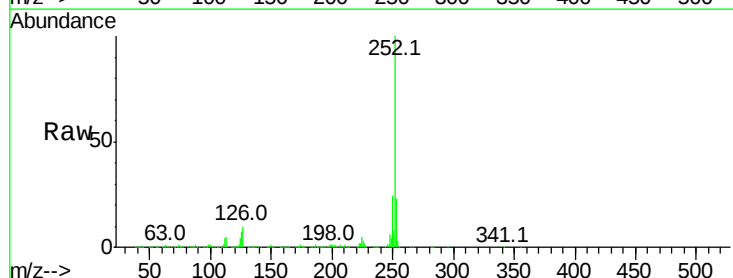
Tgt Ion:252 Resp: 1282109

Ion Ratio Lower Upper

252 100

253 23.2 17.4 26.2

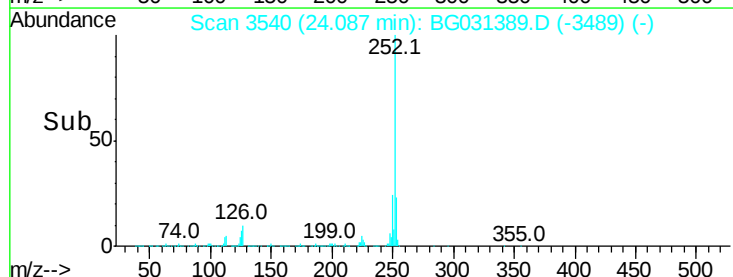
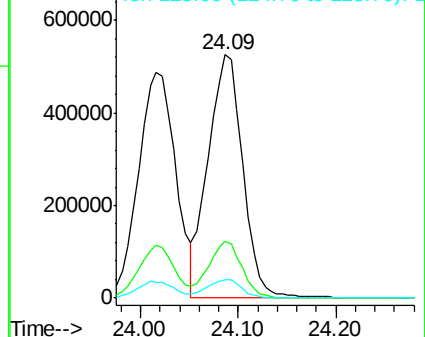
125 7.4 6.6 9.8

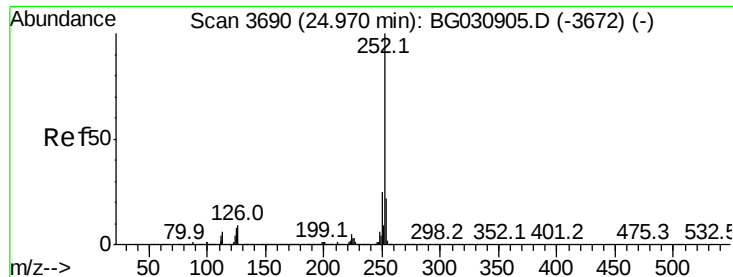


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 40.250 ng

RT: 24.92 min Scan# 3681

Delta R.T. 0.00 min

Lab File: BG031389.D

Acq: 7 Dec 2017 4:02

Instrument :

BNA\_G

ClientSampleId :

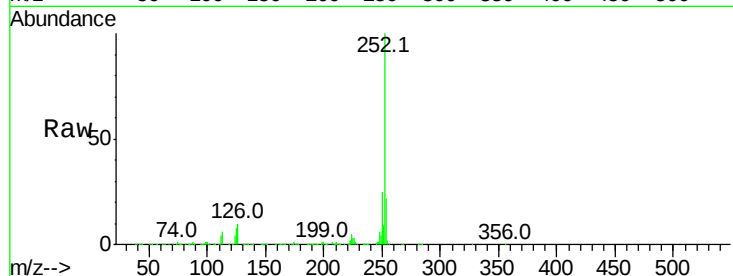
Tot Ion:252 Resp: 1227983

Ion Ratio Lower Upper

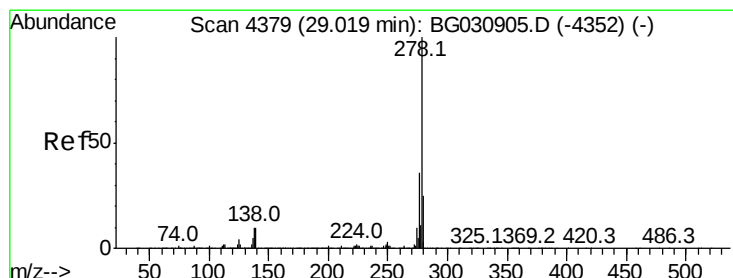
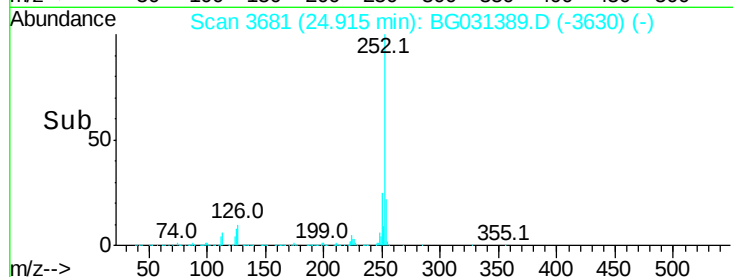
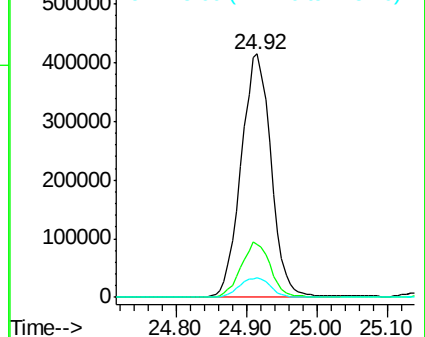
252 100

253 21.8 18.3 27.5

125 8.1 7.3 10.9



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



#90

Dibenzo(a,h)anthracene

Concen: 36.963 ng

RT: 28.92 min Scan# 4362

Delta R.T. 0.00 min

Lab File: BG031389.D

Acq: 7 Dec 2017 4:02

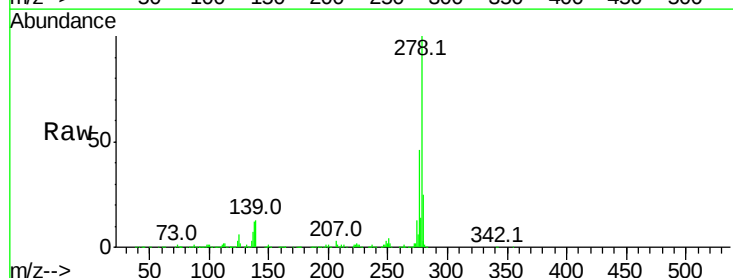
Tgt Ion:278 Resp: 1152633

Ion Ratio Lower Upper

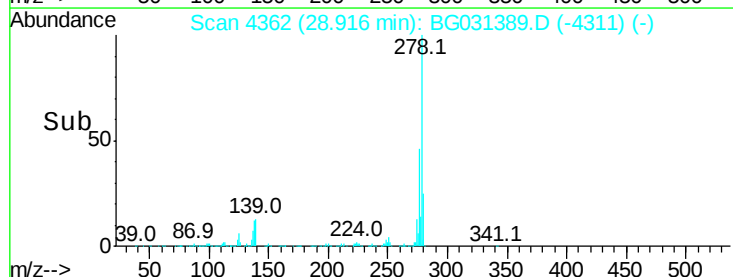
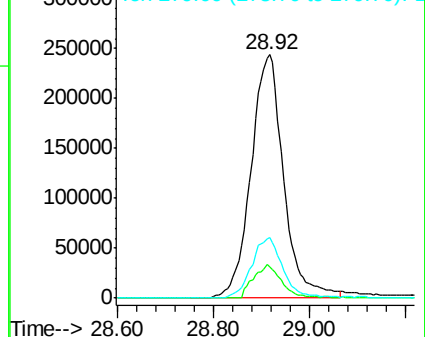
278 100

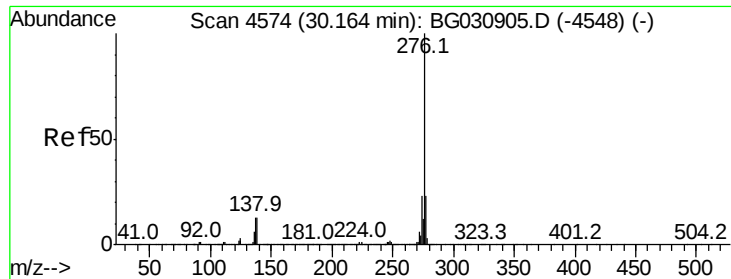
139 12.8 9.8 14.6

279 25.0 18.4 27.6



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(a,h,i)perylene

Concen: 36.863 ng

RT: 30.04 min Scan# 4554

Delta R.T. 0.00 min

Lab File: BG031389.D

Acq: 7 Dec 2017 4:02

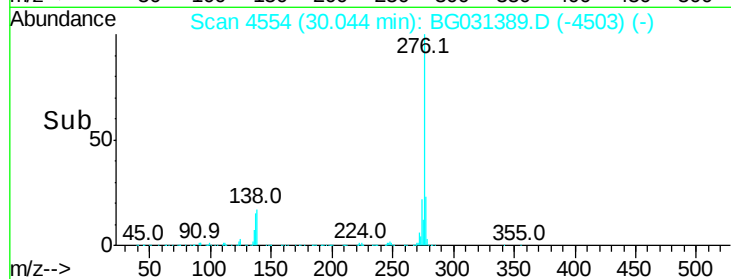
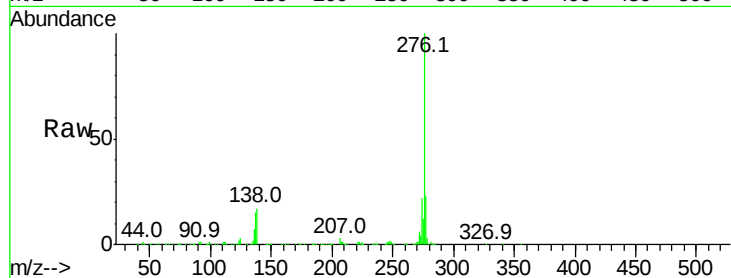
Instrument :

BNA\_G

ClientSampleId :

Tot Ion:276 Resp: 1115694

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 277 | 23.1  | 18.3  | 27.5  |
| 138 | 16.9  | 13.9  | 20.9  |



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

Time-->