

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG041720\  
 Data File : BG045047.D  
 Acq On : 18 Apr 2020 1:47  
 Operator : CG/JU  
 Sample : PB128298BSD  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB128298BSD

Quant Time: Apr 18 02:26:50 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 17 11:08:29 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.02  | 152  | 62530    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.83 | 136  | 277084   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 14.66 | 164  | 214318   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 17.41 | 188  | 533949   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.67 | 240  | 479006   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 24.85 | 264  | 537843   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.59  | 112 | 552500  | 145.87 | ng | 0.00 |
| 7) Phenol-d6             | 7.19  | 99  | 802806  | 142.66 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 9.18  | 82  | 501997  | 82.67  | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.15 | 330 | 440743  | 133.12 | ng | 0.00 |
| 45) 2-Fluorobiphenyl     | 13.28 | 172 | 1254386 | 85.82  | ng | 0.00 |
| 79) Terphenyl-d14        | 20.01 | 244 | 2058702 | 93.67  | ng | 0.00 |

## Target Compounds

|                                |       |     |        |        |    | Qvalue |
|--------------------------------|-------|-----|--------|--------|----|--------|
| 2) 1,4-Dioxane                 | 3.48  | 88  | 55628  | 33.048 | ng | 98     |
| 3) Pyridine                    | 3.88  | 79  | 166657 | 32.157 | ng | 96     |
| 4) n-Nitrosodimethylamine      | 3.79  | 42  | 66281  | 41.748 | ng | 98     |
| 6) Aniline                     | 7.34  | 93  | 213984 | 29.246 | ng | 98     |
| 8) 2-Chlorophenol              | 7.59  | 128 | 215552 | 52.954 | ng | 99     |
| 9) Benzaldehyde                | 7.15  | 77  | 101291 | 29.253 | ng | 100    |
| 10) Phenol                     | 7.21  | 94  | 293413 | 52.105 | ng | 98     |
| 11) bis(2-Chloroethyl)ether    | 7.44  | 93  | 191529 | 42.720 | ng | 99     |
| 12) 1,3-Dichlorobenzene        | 7.91  | 146 | 208987 | 43.570 | ng | 98     |
| 13) 1,4-Dichlorobenzene        | 8.06  | 146 | 212403 | 44.440 | ng | 100    |
| 14) 1,2-Dichlorobenzene        | 8.38  | 146 | 202085 | 44.195 | ng | 92     |
| 15) Benzyl Alcohol             | 8.26  | 79  | 225998 | 47.901 | ng | 94     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.55  | 45  | 182386 | 41.442 | ng | 98     |
| 17) 2-Methylphenol             | 8.46  | 107 | 198845 | 45.767 | ng | 97     |
| 18) Hexachloroethane           | 9.11  | 117 | 79776  | 44.400 | ng | 97     |
| 19) n-Nitroso-di-n-propylamine | 8.83  | 70  | 179248 | 45.041 | ng | 97     |
| 20) 3+4-Methylphenols          | 8.79  | 107 | 284031 | 46.706 | ng | 97     |
| 22) Acetophenone               | 8.84  | 105 | 329258 | 43.942 | ng | 97     |
| 24) Nitrobenzene               | 9.22  | 77  | 267291 | 42.941 | ng | 96     |
| 25) Isophorone                 | 9.75  | 82  | 521539 | 41.939 | ng | 99     |
| 26) 2-Nitrophenol              | 9.93  | 139 | 128280 | 47.844 | ng | 98     |
| 27) 2,4-Dimethylphenol         | 10.00 | 122 | 214562 | 50.434 | ng | 97     |
| 28) bis(2-Chloroethoxy)methane | 10.23 | 93  | 293012 | 44.845 | ng | 100    |
| 29) 2,4-Dichlorophenol         | 10.48 | 162 | 245507 | 49.977 | ng | 97     |
| 30) 1,2,4-Trichlorobenzene     | 10.70 | 180 | 247065 | 44.421 | ng | 97     |
| 31) Naphthalene                | 10.88 | 128 | 667789 | 44.056 | ng | 98     |
| 32) Benzoic acid               | 10.15 | 122 | 160851 | 46.961 | ng | 96     |
| 33) 4-Chloroaniline            | 10.98 | 127 | 64792  | 9.166  | ng | 96     |
| 34) Hexachlorobutadiene        | 11.18 | 225 | 165109 | 43.298 | ng | 98     |
| 35) Caprolactam                | 11.75 | 113 | 53470  | 27.349 | ng | 97     |
| 36) 4-Chloro-3-methylphenol    | 12.11 | 107 | 282008 | 48.868 | ng | 99     |
| 37) 2-Methylnaphthalene        | 12.48 | 142 | 532709 | 45.278 | ng | 99     |
| 38) 1-Methylnaphthalene        | 12.71 | 142 | 507402 | 45.683 | ng | 98     |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.86 | 216 | 295096 | 42.765 | ng | 99     |

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 Acq On : 18 Apr 2020 1:47  
 Operator : CG/JU  
 Sample : PB128298BSD  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

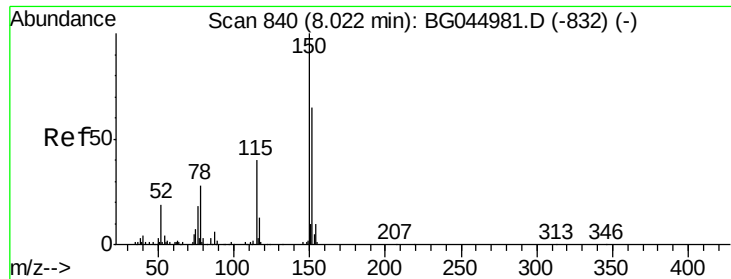
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB128298BSD

Quant Time: Apr 18 02:26:50 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 17 11:08:29 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 12.84 | 237  | 435661   | 101.013 | ng    | 95       |
| 43) 2,4,6-Trichlorophenol      | 13.09 | 196  | 224724   | 46.144  | ng    | 97       |
| 44) 2,4,5-Trichlorophenol      | 13.16 | 196  | 246454   | 44.459  | ng    | 98       |
| 46) 1,1'-Biphenyl              | 13.49 | 154  | 686841   | 42.164  | ng    | 99       |
| 47) 2-Chloronaphthalene        | 13.53 | 162  | 538932   | 43.298  | ng    | 99       |
| 48) 2-Nitroaniline             | 13.73 | 65   | 181398   | 44.294  | ng    | 99       |
| 49) Acenaphthylene             | 14.38 | 152  | 907793   | 44.775  | ng    | 99       |
| 50) Dimethylphthalate          | 14.11 | 163  | 777270   | 44.541  | ng    | 99       |
| 51) 2,6-Dinitrotoluene         | 14.22 | 165  | 176911   | 45.324  | ng    | 97       |
| 52) Acenaphthene               | 14.72 | 154  | 549133   | 40.031  | ng    | 95       |
| 53) 3-Nitroaniline             | 14.55 | 138  | 76450    | 17.858  | ng    | # 95     |
| 54) 2,4-Dinitrophenol          | 14.76 | 184  | 233632   | 100.661 | ng    | 97       |
| 55) Dibenzofuran               | 15.06 | 168  | 888917   | 44.448  | ng    | 97       |
| 56) 4-Nitrophenol              | 14.87 | 139  | 291229   | 87.739  | ng    | 98       |
| 57) 2,4-Dinitrotoluene         | 15.01 | 165  | 253246   | 44.397  | ng    | # 96     |
| 58) Fluorene                   | 15.71 | 166  | 735438   | 45.021  | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol  | 15.28 | 232  | 240116   | 48.681  | ng    | 98       |
| 60) Diethylphthalate           | 15.48 | 149  | 801995   | 44.080  | ng    | 98       |
| 61) 4-Chlorophenyl-phenylether | 15.70 | 204  | 409867   | 43.591  | ng    | 100      |
| 62) 4-Nitroaniline             | 15.72 | 138  | 177959   | 40.079  | ng    | 92       |
| 63) Azobenzene                 | 15.99 | 77   | 756385   | 45.092  | ng    | 98       |
| 65) 4,6-Dinitro-2-methylphenol | 15.78 | 198  | 167688   | 47.779  | ng    | 97       |
| 66) n-Nitrosodiphenylamine     | 15.91 | 169  | 675638   | 44.040  | ng    | 100      |
| 67) 4-Bromophenyl-phenylether  | 16.59 | 248  | 290293   | 42.143  | ng    | 99       |
| 68) Hexachlorobenzene          | 16.72 | 284  | 315549   | 44.169  | ng    | 96       |
| 69) Atrazine                   | 16.86 | 200  | 279936   | 50.626  | ng    | 99       |
| 70) Pentachlorophenol          | 17.06 | 266  | 396828   | 90.546  | ng    | 98       |
| 71) Phenanthrene               | 17.45 | 178  | 1208410  | 44.041  | ng    | 99       |
| 72) Anthracene                 | 17.53 | 178  | 1226875  | 44.576  | ng    | 99       |
| 73) Carbazole                  | 17.80 | 167  | 1125886  | 40.310  | ng    | 98       |
| 74) Di-n-butylphthalate        | 18.37 | 149  | 1334091  | 43.704  | ng    | 99       |
| 75) Fluoranthene               | 19.45 | 202  | 1461032  | 45.351  | ng    | 99       |
| 77) Benzidine                  | 19.63 | 184  | 674184   | 49.142  | ng    | 97       |
| 78) Pyrene                     | 19.81 | 202  | 1432586  | 43.382  | ng    | 99       |
| 80) Butylbenzylphthalate       | 20.70 | 149  | 580115   | 42.380  | ng    | 100      |
| 81) Benzo(a)anthracene         | 21.65 | 228  | 1362530  | 43.887  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine     | 21.56 | 252  | 345330   | 27.946  | ng    | # 94     |
| 83) Chrysene                   | 21.71 | 228  | 1310476  | 43.932  | ng    | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 21.56 | 149  | 814165   | 43.246  | ng    | 96       |
| 85) Di-n-octyl phthalate       | 22.77 | 149  | 1396191  | 42.887  | ng    | 100      |
| 86) Indeno(1,2,3-cd)pyrene     | 28.48 | 276  | 1763331  | 44.523  | ng    | 98       |
| 88) Benzo(b)fluoranthene       | 23.85 | 252  | 1481445  | 43.973  | ng    | 99       |
| 89) Benzo(k)fluoranthene       | 23.91 | 252  | 1441784  | 45.000  | ng    | 99       |
| 90) Benzo(a)pyrene             | 24.71 | 252  | 1374413  | 43.209  | ng    | 98       |
| 91) Dibenzo(a,h)anthracene     | 28.54 | 278  | 1438397  | 44.877  | ng    | 97       |
| 92) Benzo(g,h,i)perylene       | 29.61 | 276  | 1459449  | 45.418  | ng    | 98       |

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



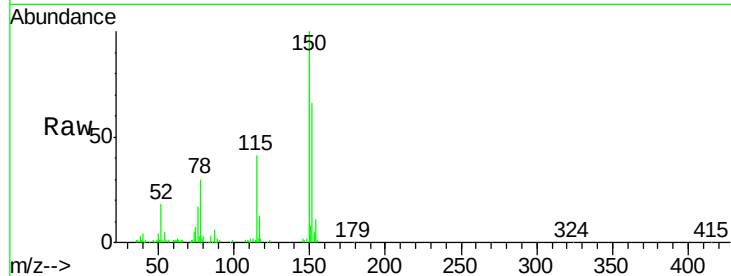


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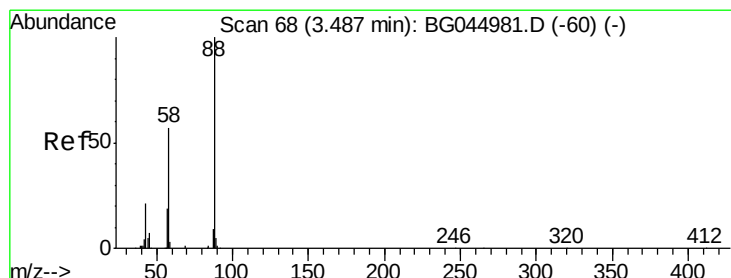
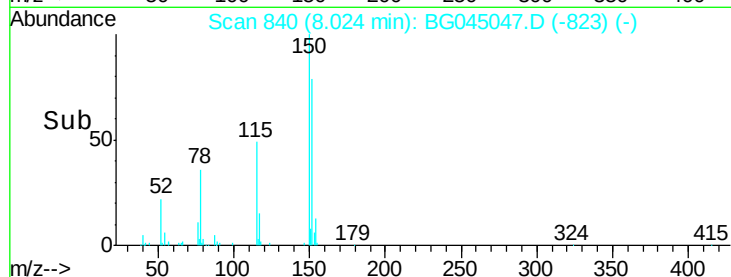
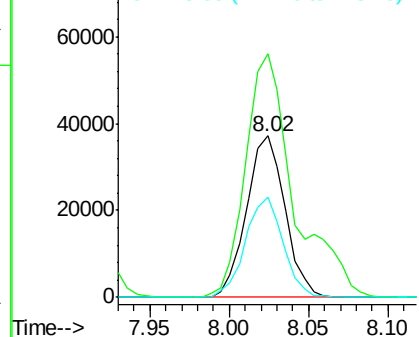
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.02 min Scan# 840  
Delta R.T. -0.00 min  
Lab File: BG045047.D  
Acq: 18 Apr 2020 1:47

Instrument :  
BNA\_G  
ClientSampleId :  
PB128298BSD

Tot Ion:152 Resp: 62530  
Ion Ratio Lower Upper  
152 100  
150 151.1 123.6 185.4  
115 62.4 49.1 73.7



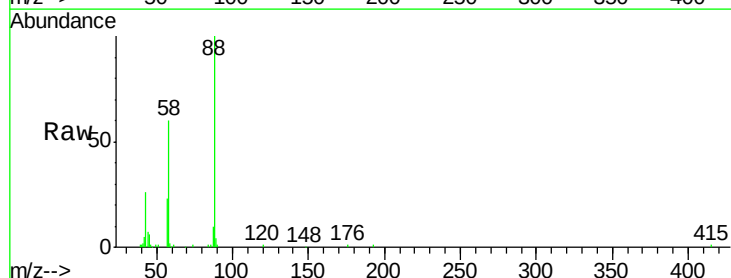
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



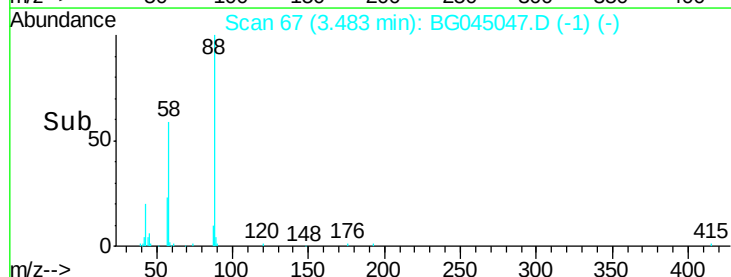
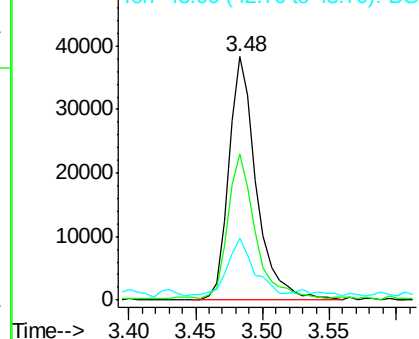
#2

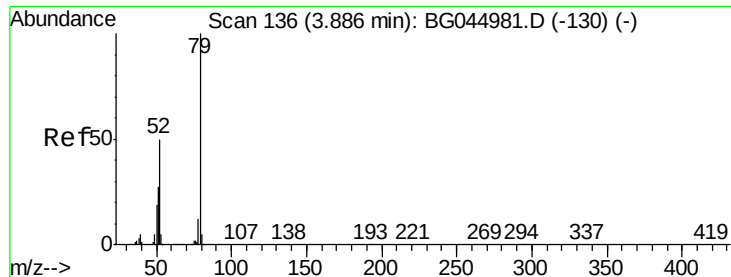
1,4-Dioxane  
Concen: 33.048 ng  
RT: 3.48 min Scan# 67  
Delta R.T. -0.01 min  
Lab File: BG045047.D  
Acq: 18 Apr 2020 1:47

Tgt Ion: 88 Resp: 55628  
Ion Ratio Lower Upper  
88 100  
58 59.7 46.6 69.8  
43 23.1 17.5 26.3



Abundance Ion 88.00 (87.70 to 88.70): BGC  
Ion 58.00 (57.70 to 58.70): BGC  
Ion 43.00 (42.70 to 43.70): BGC





#3

Pvridine

Concen: 32.157 ng

RT: 3.88 min Scan# 134

Delta R.T. -0.01 min

Lab File: BG045047.D

Acq: 18 Apr 2020 1:47

Instrument :

BNA\_G

ClientSampleId :

PB128298BSD

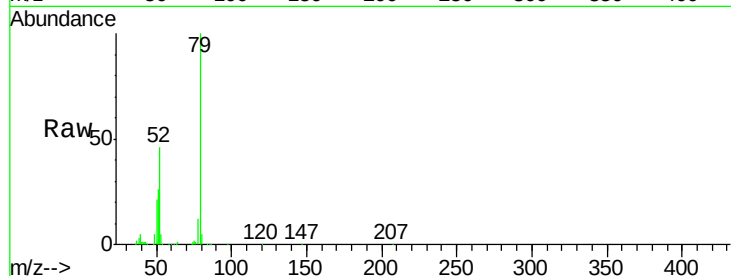
Tot Ion: 79 Resp: 166657

Ion Ratio Lower Upper

79 100

52 46.4 39.8 59.6

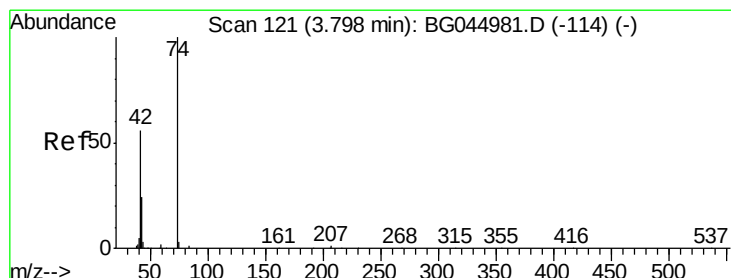
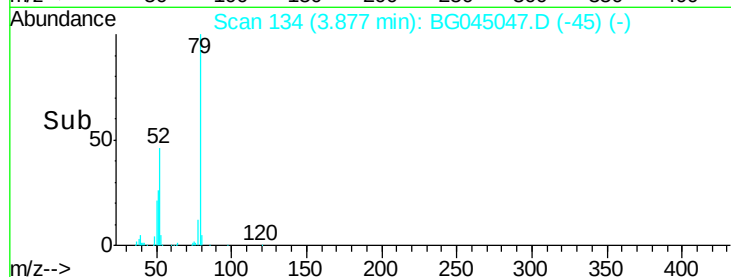
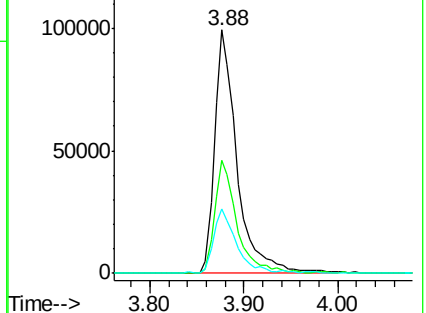
51 26.2 21.4 32.2



Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 52.00 (51.70 to 52.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#4

n-Nitrosodimethylamine

Concen: 41.748 ng

RT: 3.79 min Scan# 119

Delta R.T. -0.01 min

Lab File: BG045047.D

Acq: 18 Apr 2020 1:47

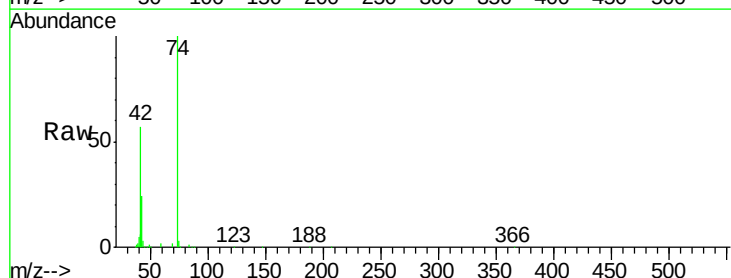
Tgt Ion: 42 Resp: 66281

Ion Ratio Lower Upper

42 100

74 175.9 143.0 214.6

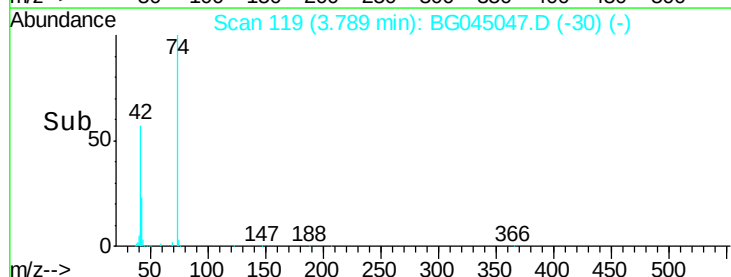
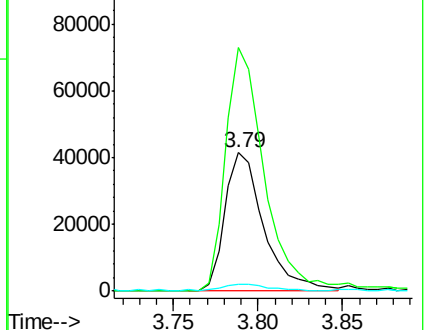
44 5.3 4.6 6.8

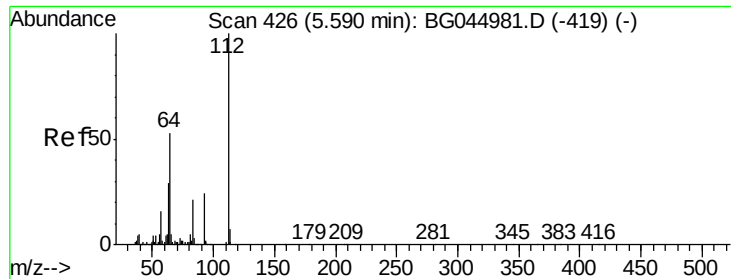


Abundance Ion 42.00 (41.70 to 42.70): BGC

Ion 74.00 (73.70 to 74.70): BGC

Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 145.874 ng

RT: 5.59 min Scan# 426

Delta R.T. -0.00 min

Lab File: BG045047.D

Acq: 18 Apr 2020 1:47

Instrument :

BNA\_G

ClientSampleId :

PB128298BSD

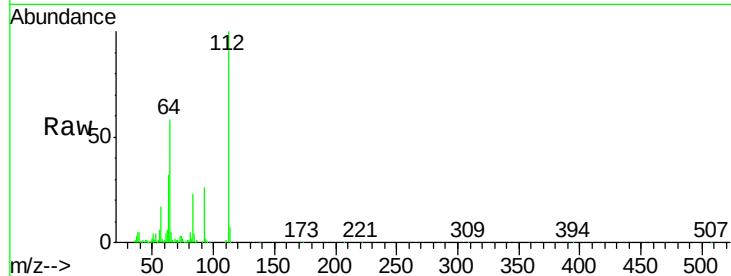
Tot Ion: 112 Resp: 552500

Ion Ratio Lower Upper

112 100

64 58.5 42.4 63.6

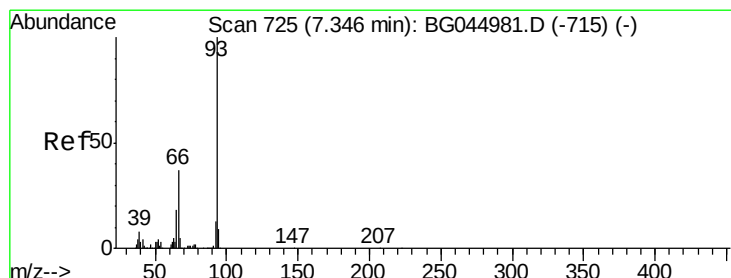
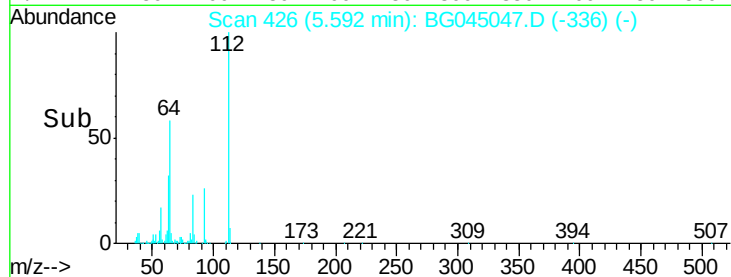
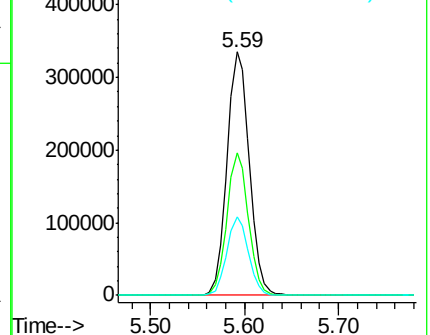
63 32.0 23.1 34.7



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 29.246 ng

RT: 7.34 min Scan# 724

Delta R.T. -0.00 min

Lab File: BG045047.D

Acq: 18 Apr 2020 1:47

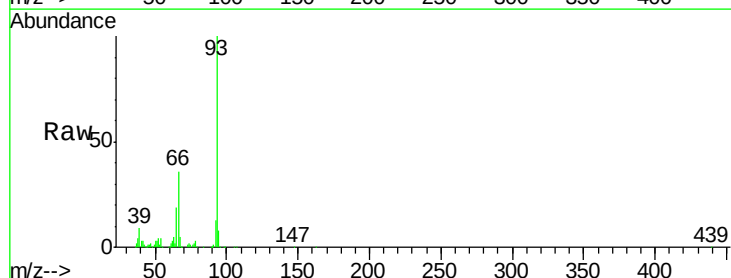
Tgt Ion: 93 Resp: 213984

Ion Ratio Lower Upper

93 100

66 36.4 29.8 44.8

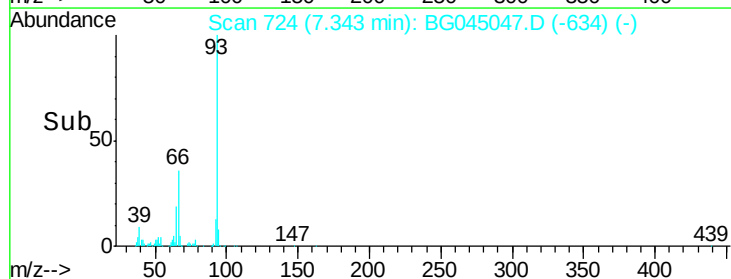
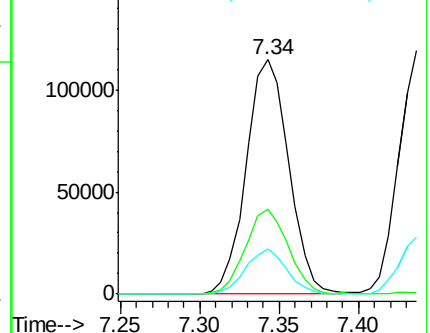
65 19.2 14.6 22.0

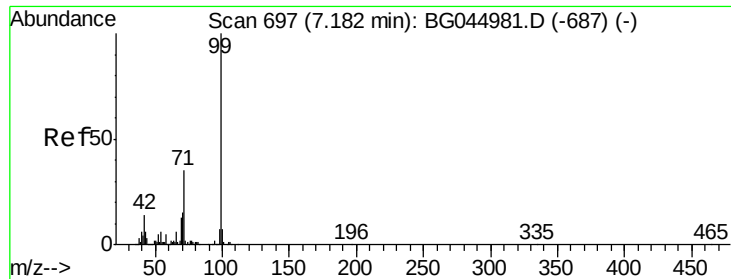


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 142.662 ng

RT: 7.19 min Scan# 698

Delta R.T. 0.01 min

Lab File: BG045047.D

Acq: 18 Apr 2020 1:47

Instrument :

BNA\_G

ClientSampleId :

PB128298BSD

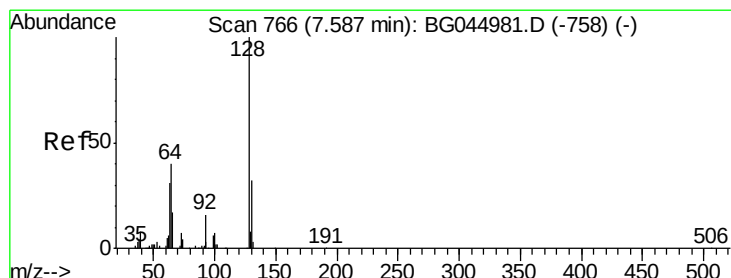
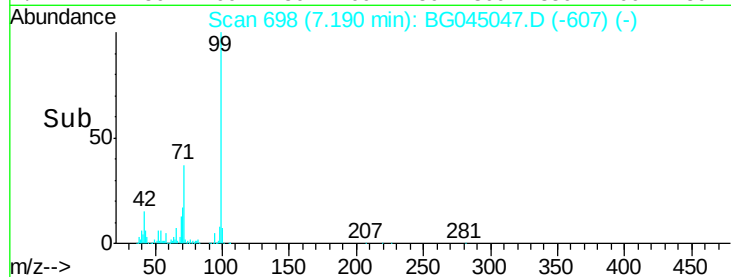
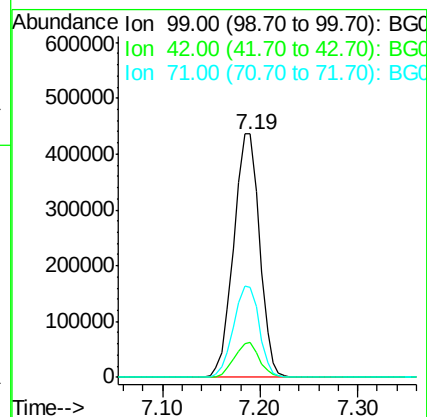
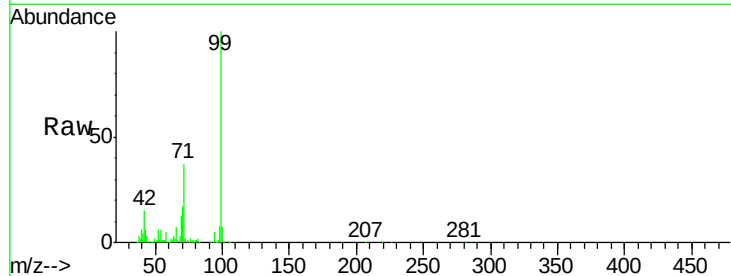
Tot Ion: 99 Resp: 802806

Ion Ratio Lower Upper

99 100

42 14.5 11.3 16.9

71 37.2 28.3 42.5



#8

2-Chlorophenol

Concen: 52.954 ng

RT: 7.59 min Scan# 766

Delta R.T. -0.00 min

Lab File: BG045047.D

Acq: 18 Apr 2020 1:47

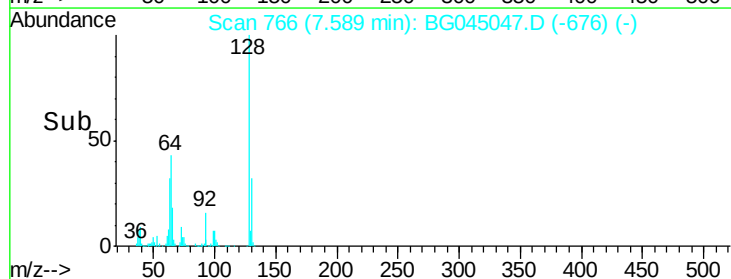
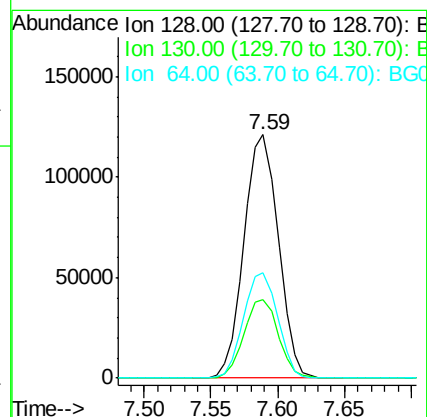
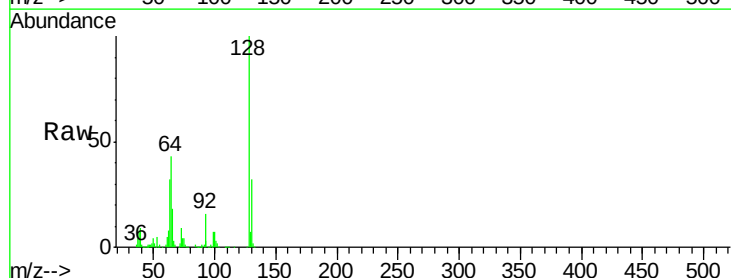
Tgt Ion: 128 Resp: 215552

Ion Ratio Lower Upper

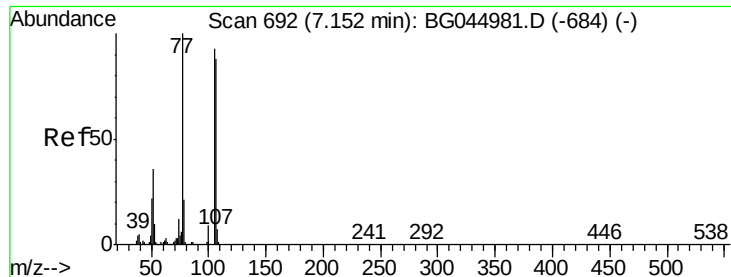
128 100

130 32.5 12.3 52.3

64 43.4 24.4 64.4







#9

Benzaldehyde

Concen: 29.253 ng

RT: 7.15 min Scan# 692

Delta R.T. -0.00 min

Lab File: BG045047.D

Acq: 18 Apr 2020 1:47

Instrument :

BNA\_G

ClientSampleId :

PB128298BSD

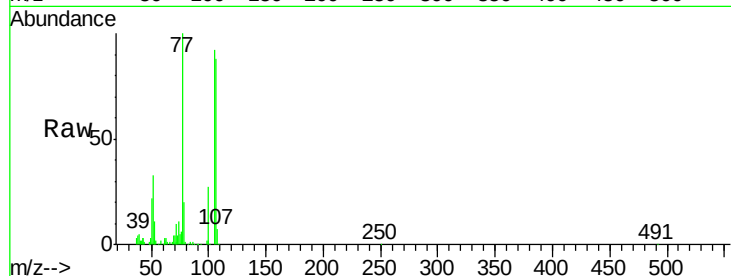
Tot Ion: 77 Resp: 101291

Ion Ratio Lower Upper

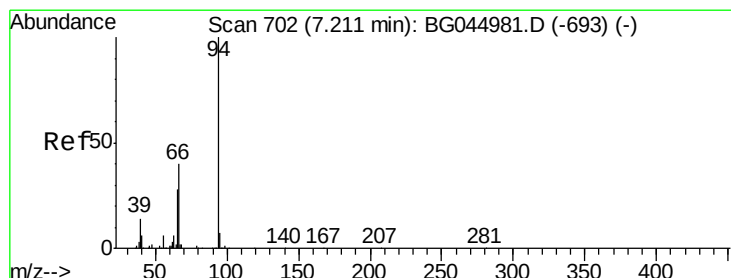
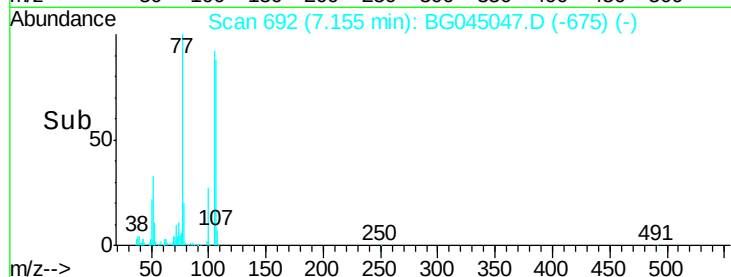
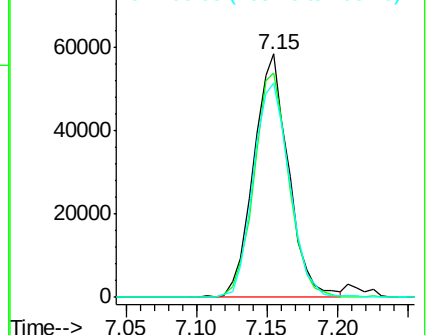
77 100

105 92.4 72.9 112.9

106 87.8 67.6 107.6



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



#10

Phenol

Concen: 52.105 ng

RT: 7.21 min Scan# 702

Delta R.T. -0.00 min

Lab File: BG045047.D

Acq: 18 Apr 2020 1:47

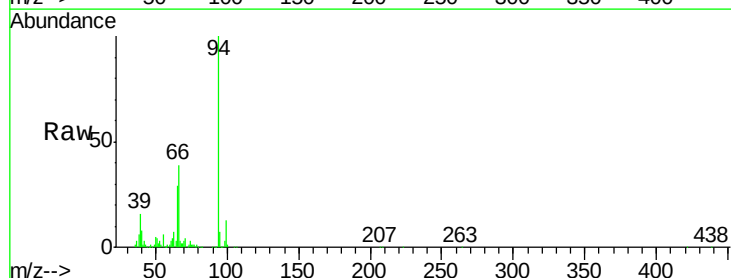
Tgt Ion: 94 Resp: 293413

Ion Ratio Lower Upper

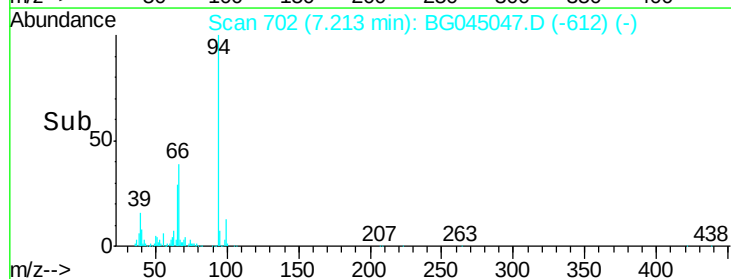
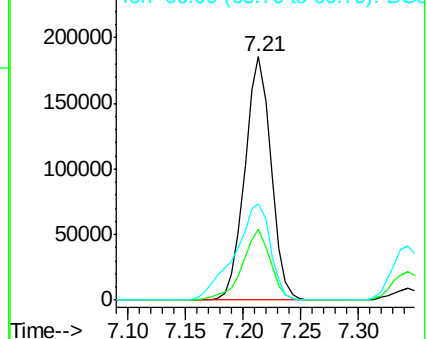
94 100

65 29.3 8.2 48.2

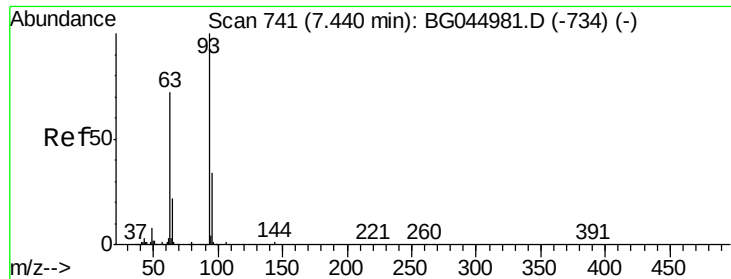
66 39.4 20.4 60.4



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



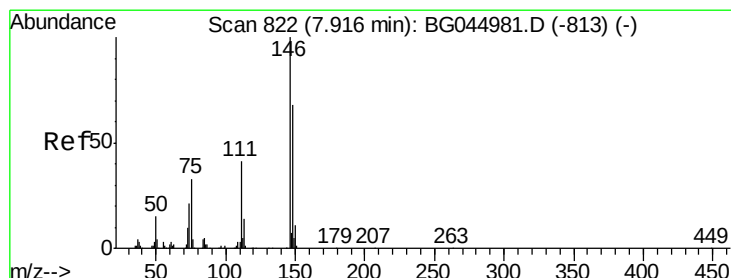
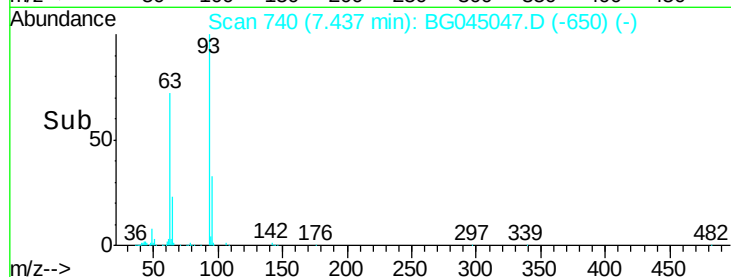
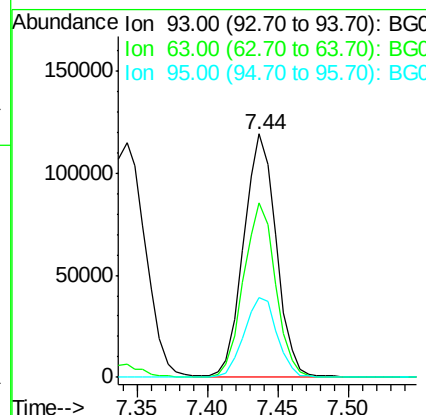
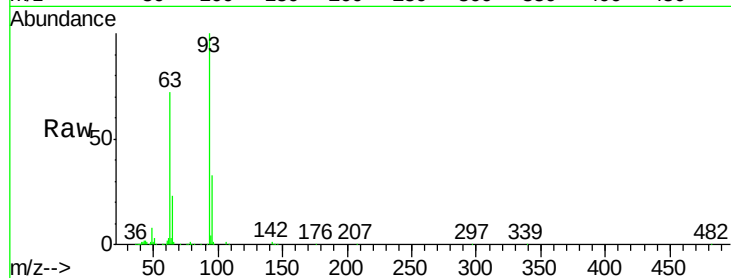




#11  
 bis(2-Chloroethyl)ether  
 Concen: 42.720 ng  
 RT: 7.44 min Scan# 740  
 Delta R.T. -0.00 min  
 Lab File: BG045047.D  
 Acq: 18 Apr 2020 1:47

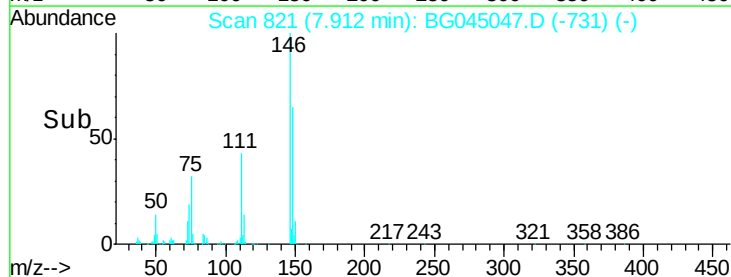
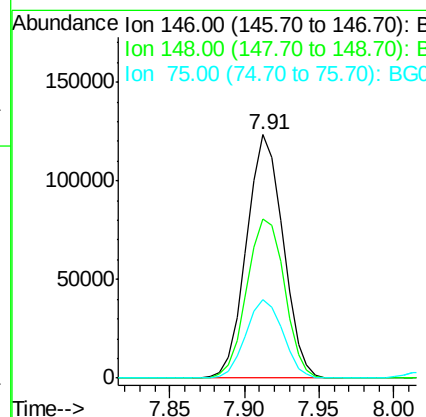
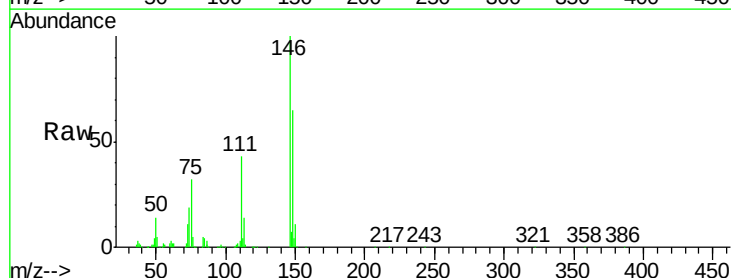
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB128298BSD

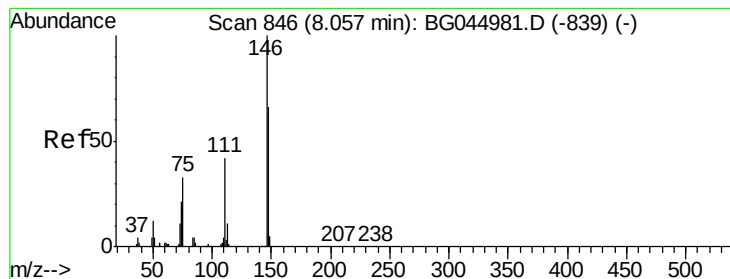
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 63      | 71.7  | 51.8  | 91.8  |
| 95      | 32.8  | 13.8  | 53.8  |



#12  
 1,3-Dichlorobenzene  
 Concen: 43.570 ng  
 RT: 7.91 min Scan# 821  
 Delta R.T. -0.00 min  
 Lab File: BG045047.D  
 Acq: 18 Apr 2020 1:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 65.4  | 54.6  | 81.8  |
| 75      | 32.5  | 26.0  | 39.0  |





#13

1,4-Dichlorobenzene

Concen: 44.440 ng

RT: 8.06 min Scan# 846

Delta R.T. -0.00 min

Lab File: BG045047.D

Acq: 18 Apr 2020 1:47

Instrument :

BNA\_G

ClientSampleId :

PB128298BSD

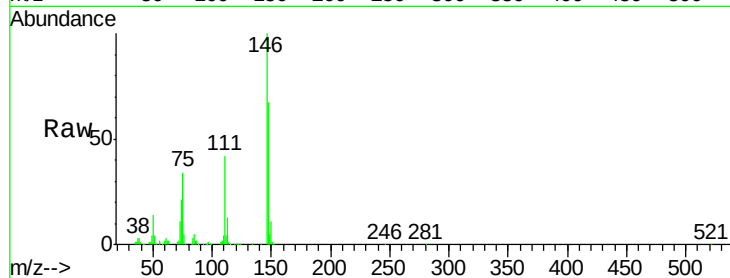
Tot Ion:146 Resp: 212403

Ion Ratio Lower Upper

146 100

148 66.7 53.3 79.9

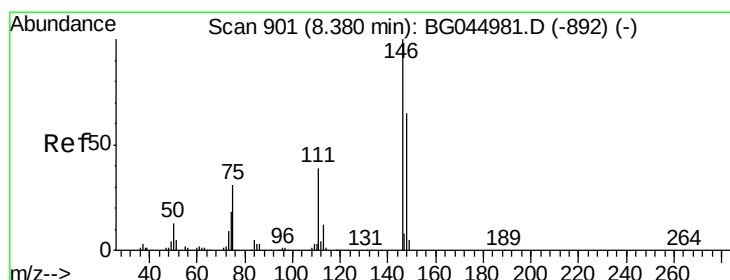
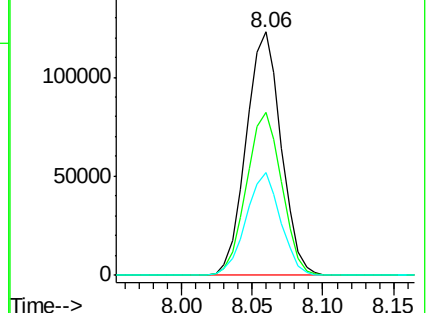
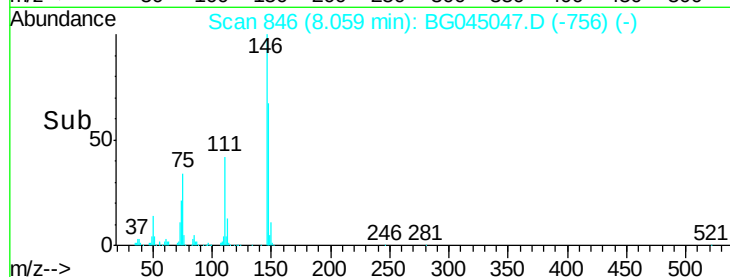
111 42.2 33.8 50.8



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: 44.195 ng

RT: 8.38 min Scan# 900

Delta R.T. -0.00 min

Lab File: BG045047.D

Acq: 18 Apr 2020 1:47

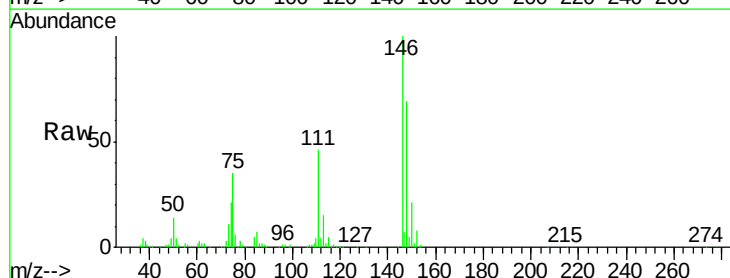
Tgt Ion:146 Resp: 202085

Ion Ratio Lower Upper

146 100

148 69.2 51.9 77.9

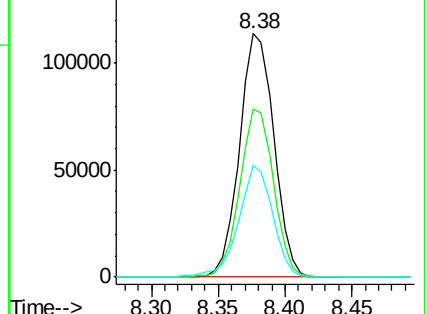
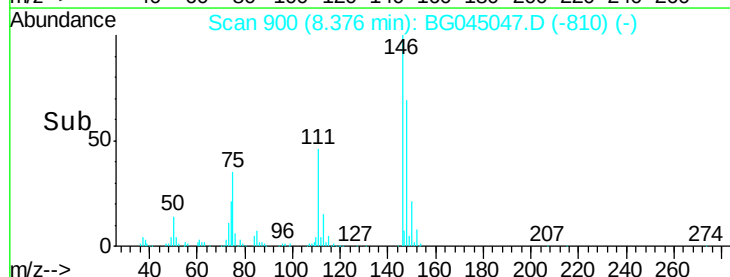
111 45.9 31.3 46.9

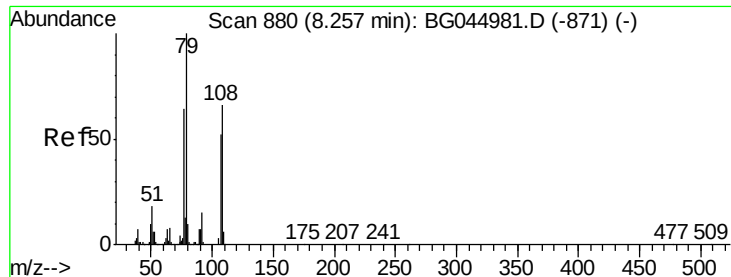


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 47.901 ng

RT: 8.26 min Scan# 880

Delta R.T. 0.01 min

Lab File: BG045047.D

Acq: 18 Apr 2020 1:47

Instrument :

BNA\_G

ClientSampleId :

PB128298BSD

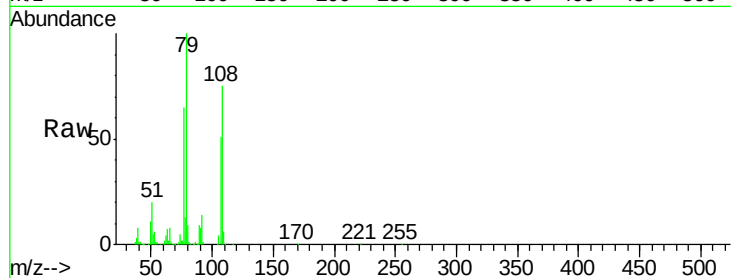
Tot Ion: 79 Resp: 225998

Ion Ratio Lower Upper

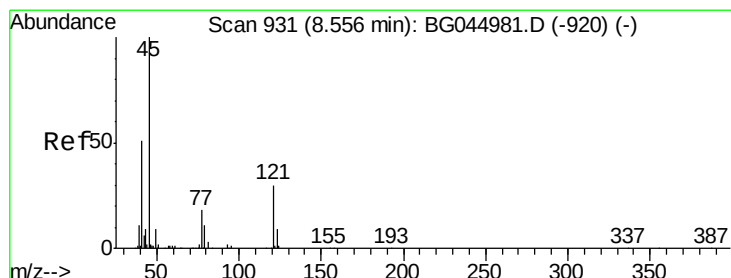
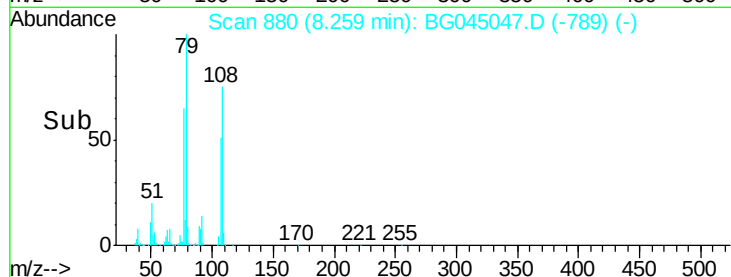
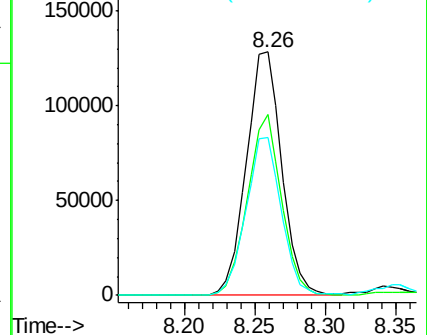
79 100

108 74.5 52.7 79.1

77 64.7 51.3 76.9



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: 41.442 ng

RT: 8.55 min Scan# 929

Delta R.T. -0.00 min

Lab File: BG045047.D

Acq: 18 Apr 2020 1:47

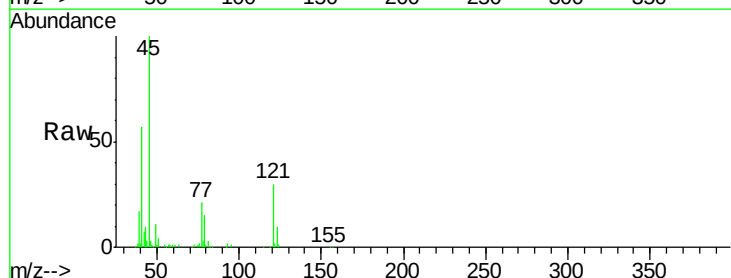
Tgt Ion: 45 Resp: 182386

Ion Ratio Lower Upper

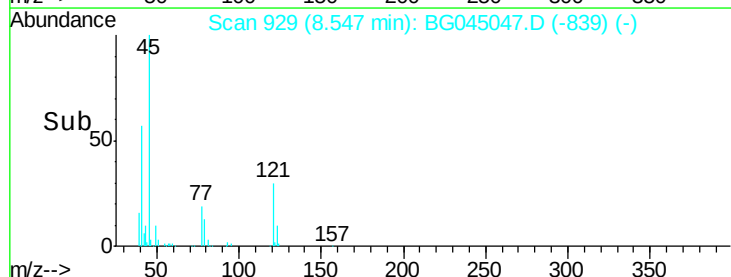
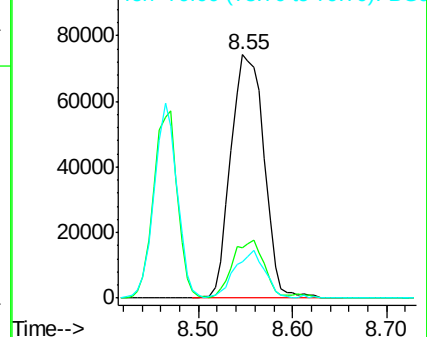
45 100

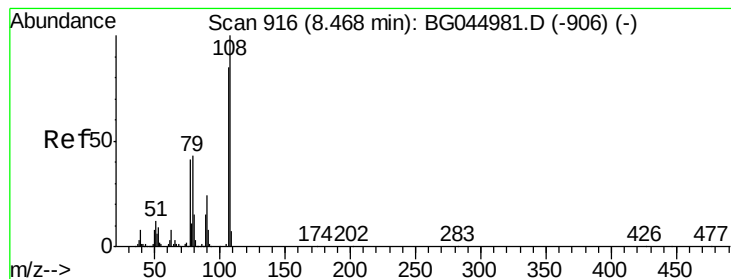
77 20.9 1.9 41.9

79 14.9 0.0 35.5



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: 45.767 ng

RT: 8.46 min Scan# 915

Delta R.T. -0.00 min

Lab File: BG045047.D

Acq: 18 Apr 2020 1:47

Instrument :

BNA\_G

ClientSampleId :

PB128298BSD

Tot Ion:107 Resp: 198845

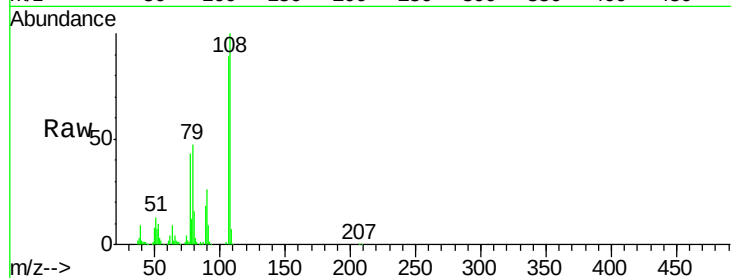
Ion Ratio Lower Upper

107 100

108 112.3 93.8 140.6

77 48.6 38.5 57.7

79 52.4 40.1 60.1

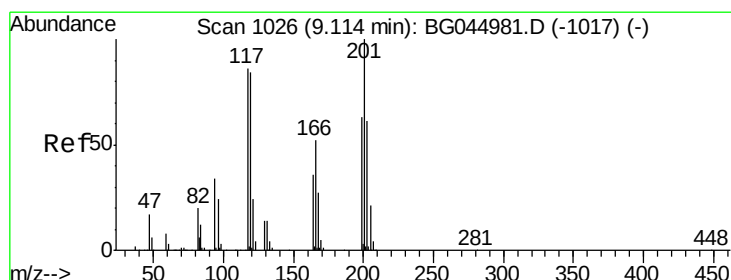
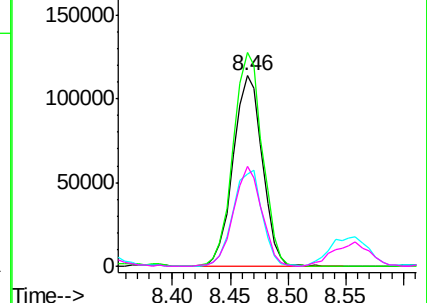
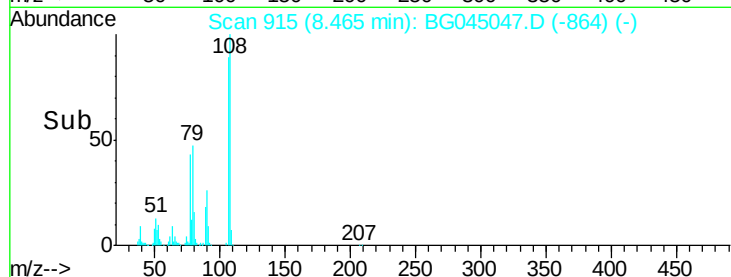


Abundance Ion 107.00 (106.70 to 107.70): E

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: 44.400 ng

RT: 9.11 min Scan# 1025

Delta R.T. -0.00 min

Lab File: BG045047.D

Acq: 18 Apr 2020 1:47

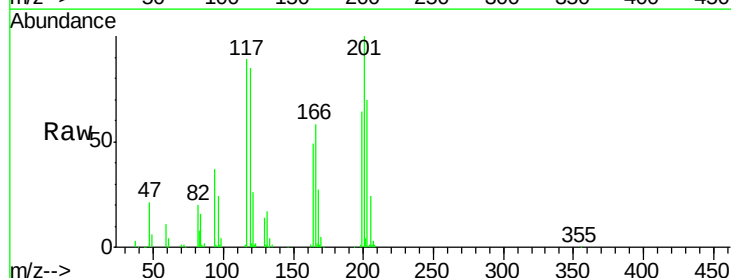
Tgt Ion:117 Resp: 79776

Ion Ratio Lower Upper

117 100

119 96.1 78.3 117.5

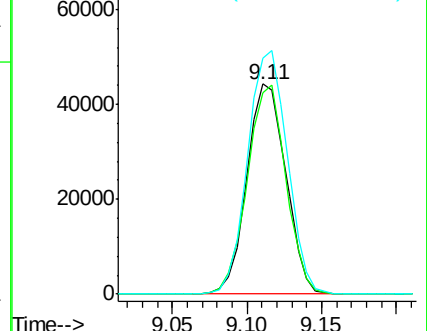
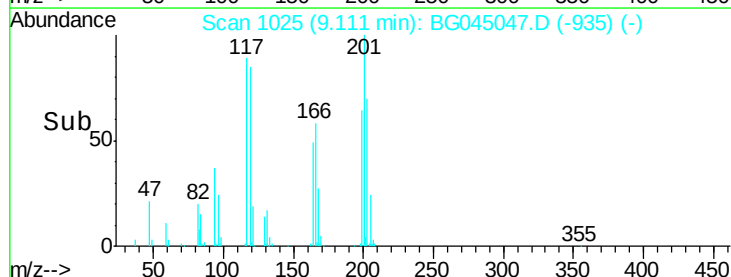
201 112.5 92.9 139.3

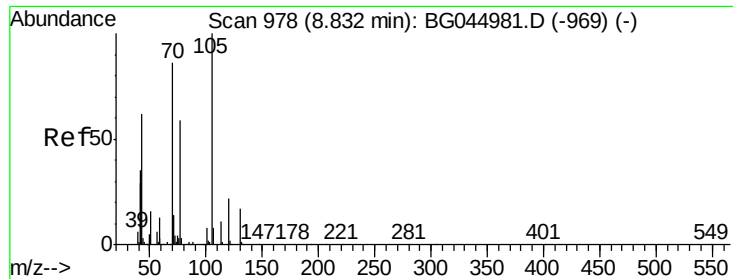


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

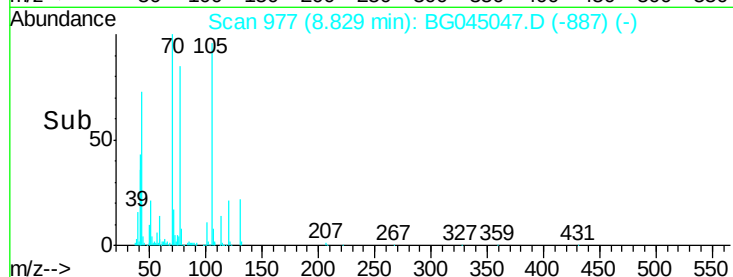
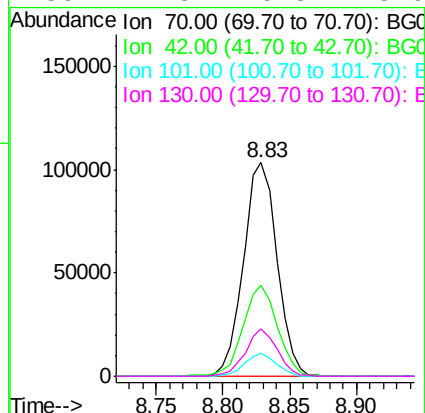
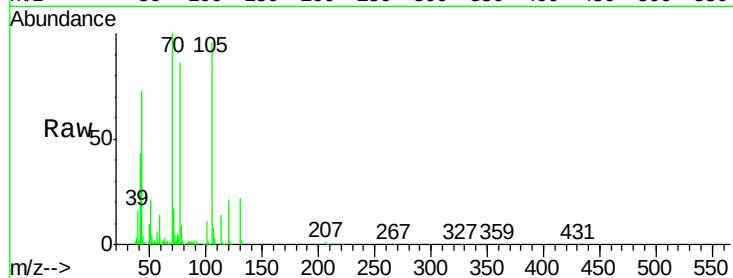




#19  
n-Nitroso-di-n-propylamine  
Concen: 45.041 ng  
RT: 8.83 min Scan# 977  
Delta R.T. -0.00 min  
Lab File: BG045047.D  
Acq: 18 Apr 2020 1:47

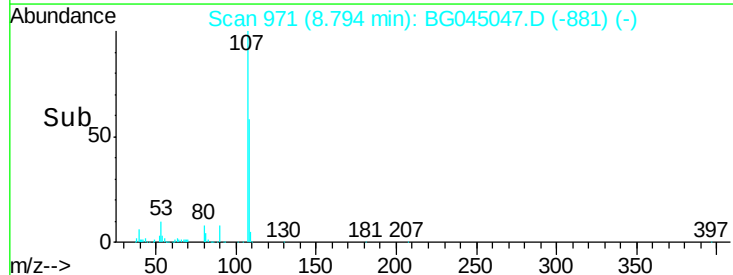
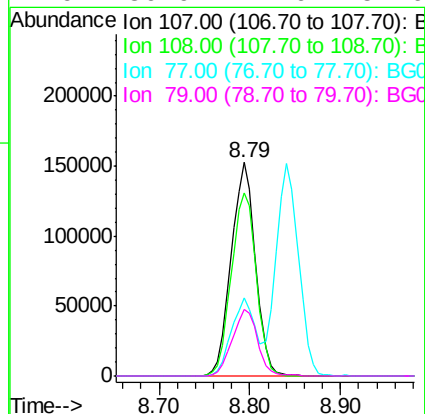
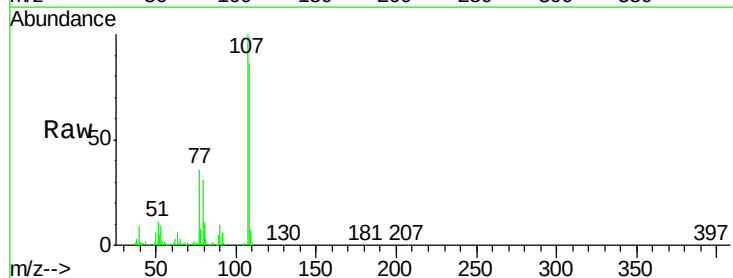
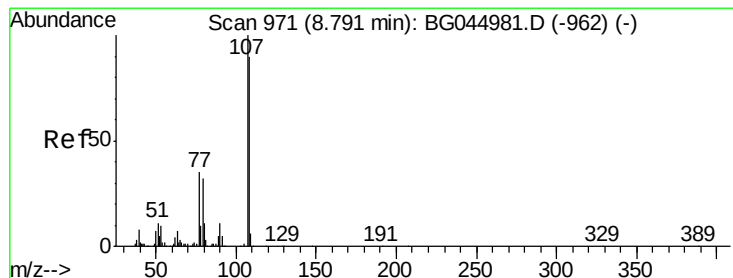
Instrument :  
BNA\_G  
ClientSampleId :  
PB128298BSD

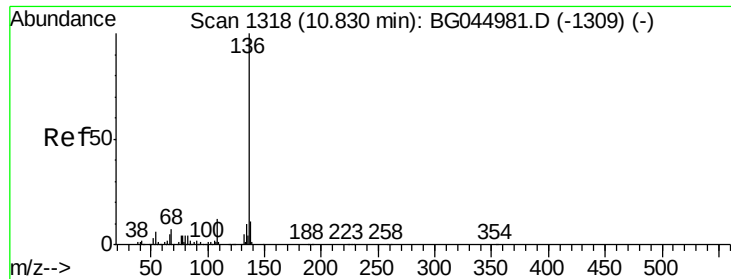
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 70    | Resp: | 179248 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 42.8  | 33.3  | 49.9   |
| 101      | 10.7  | 7.8   | 11.8   |
| 130      | 22.3  | 15.8  | 23.6   |



#20  
3+4-Methylphenols  
Concen: 46.706 ng  
RT: 8.79 min Scan# 971  
Delta R.T. -0.00 min  
Lab File: BG045047.D  
Acq: 18 Apr 2020 1:47

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 284031 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 85.9  | 69.9  | 109.9  |
| 77       | 36.4  | 15.2  | 55.2   |
| 79       | 30.9  | 11.6  | 51.6   |

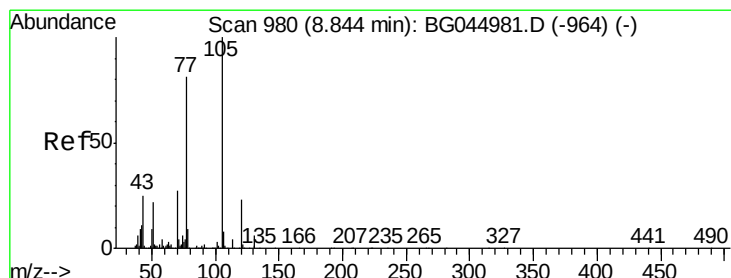
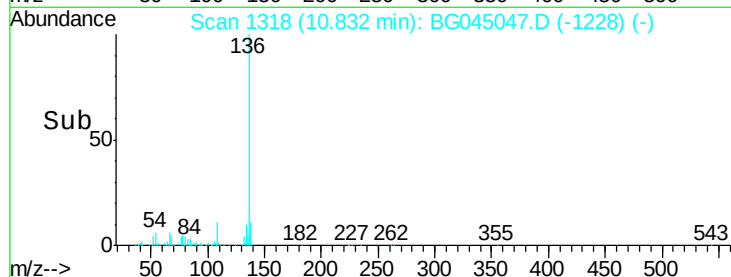
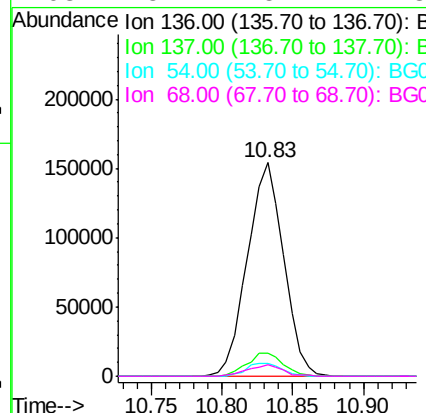
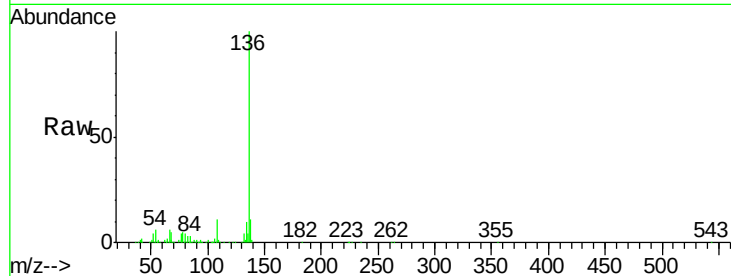




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.83 min Scan# 1318  
Delta R.T. -0.00 min  
Lab File: BG045047.D  
Acq: 18 Apr 2020 1:47

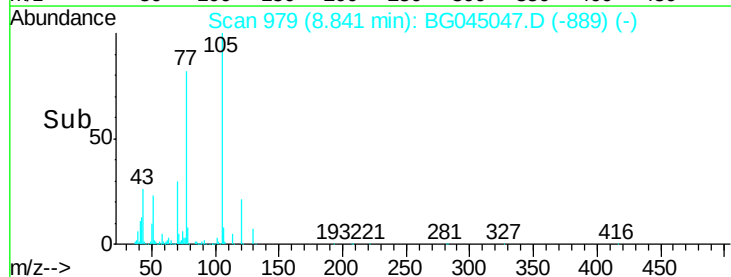
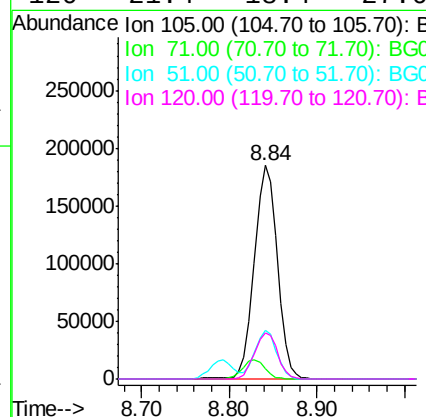
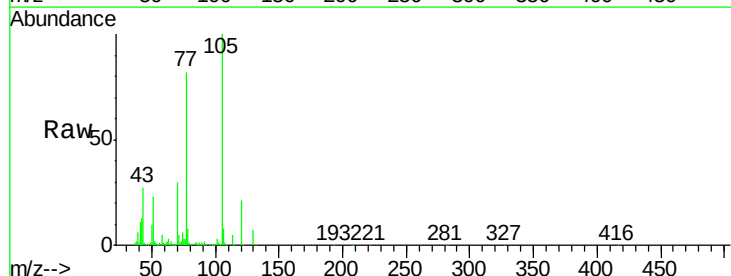
Instrument :  
BNA\_G  
ClientSampleId :  
PB128298BSD

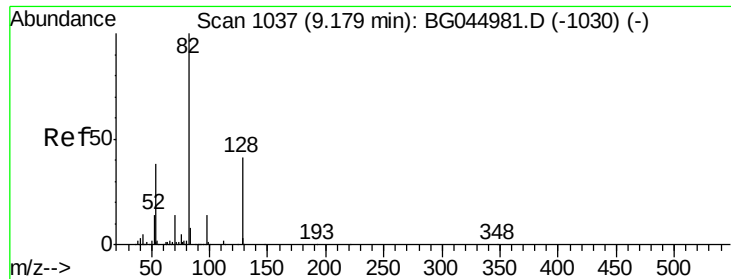
|             |       |        |  |
|-------------|-------|--------|--|
| Tot Ion:136 | Resp: | 277084 |  |
| Ion Ratio   | Lower | Upper  |  |
| 136 100     |       |        |  |
| 137 10.7    | 8.6   | 13.0   |  |
| 54 6.1      | 4.8   | 7.2    |  |
| 68 5.4      | 5.2   | 7.8    |  |



#22  
Acetophenone  
Concen: 43.942 ng  
RT: 8.84 min Scan# 979  
Delta R.T. -0.00 min  
Lab File: BG045047.D  
Acq: 18 Apr 2020 1:47

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:105 | Resp: | 329258 |
| Ion | Ratio   | Lower | Upper  |
| 105 | 100     |       |        |
| 71  | 4.9     | 3.3   | 4.9    |
| 51  | 22.9    | 17.3  | 25.9   |
| 120 | 21.4    | 18.4  | 27.6   |

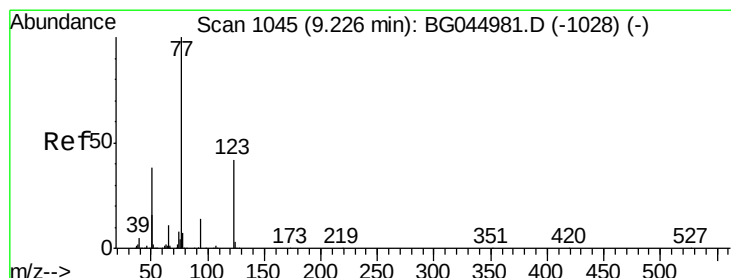
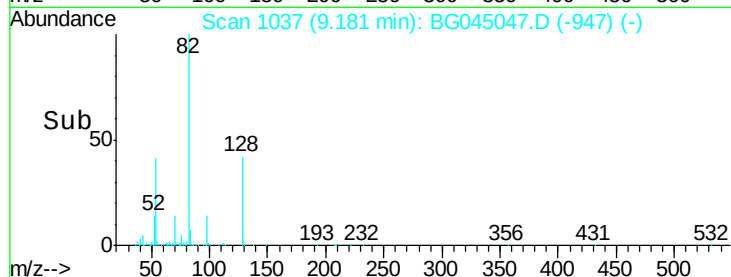
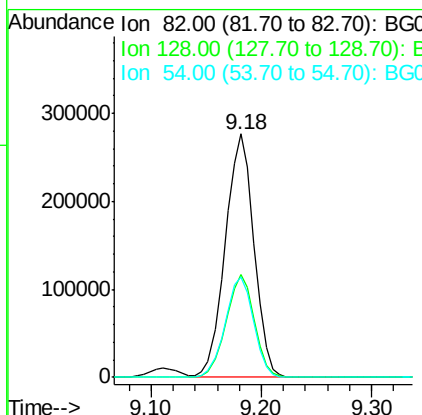
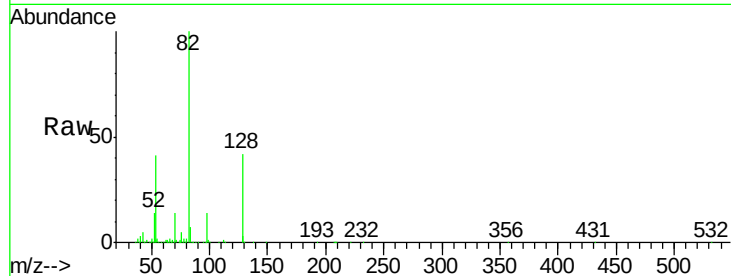




#23  
 Nitrobenzene-d5  
 Concen: 82.666 ng  
 RT: 9.18 min Scan# 1037  
 Delta R.T. -0.00 min  
 Lab File: BG045047.D  
 Acq: 18 Apr 2020 1:47

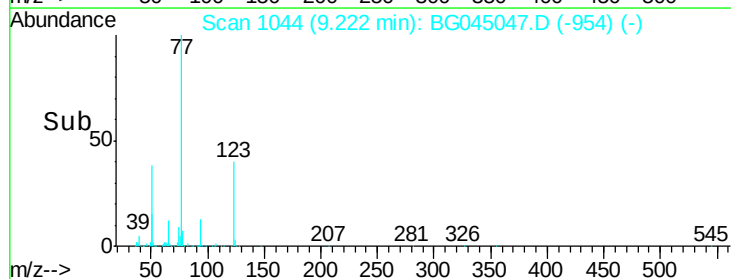
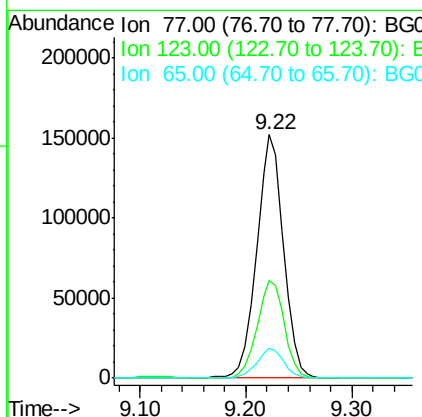
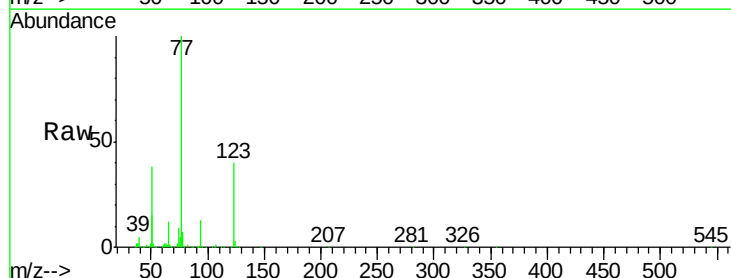
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB128298BSD

| Tot Ion   | 82    | Resp  | 501997 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 42.2  | 33.0  | 49.4   |
| 54        | 41.0  | 30.4  | 45.6   |

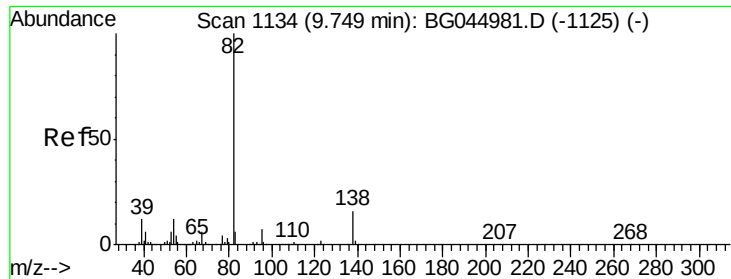


#24  
 Nitrobenzene  
 Concen: 42.941 ng  
 RT: 9.22 min Scan# 1044  
 Delta R.T. -0.00 min  
 Lab File: BG045047.D  
 Acq: 18 Apr 2020 1:47

| Tgt Ion   | 77    | Resp  | 267291 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 77        | 100   |       |        |
| 123       | 40.0  | 34.3  | 51.5   |
| 65        | 12.4  | 8.9   | 13.3   |







#25

Isophorone

Concen: 41.939 ng

RT: 9.75 min Scan# 1134

Delta R.T. -0.00 min

Lab File: BG045047.D

Acq: 18 Apr 2020 1:47

Instrument :

BNA\_G

ClientSampleId :

PB128298BSD

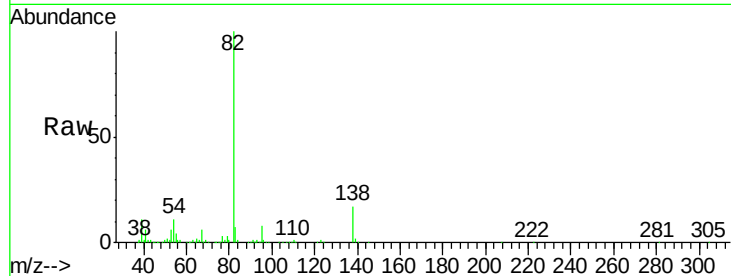
Tot Ion: 82 Resp: 521539

Ion Ratio Lower Upper

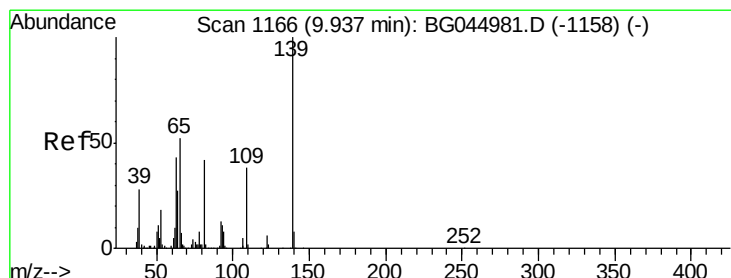
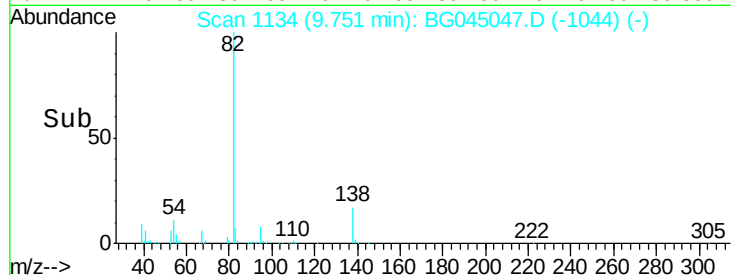
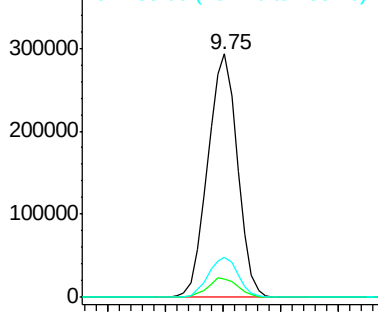
82 100

95 7.8 6.0 9.0

138 16.7 12.7 19.1



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



#26

2-Nitrophenol

Concen: 47.844 ng

RT: 9.93 min Scan# 1165

Delta R.T. -0.01 min

Lab File: BG045047.D

Acq: 18 Apr 2020 1:47

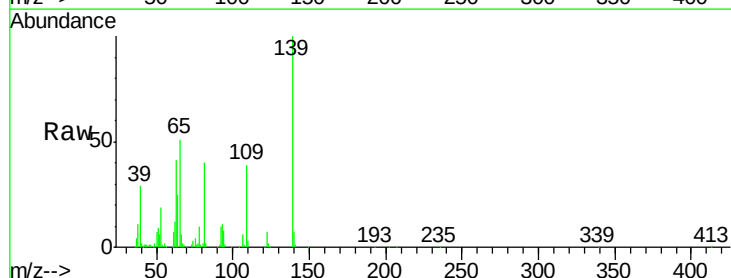
Tgt Ion: 139 Resp: 128280

Ion Ratio Lower Upper

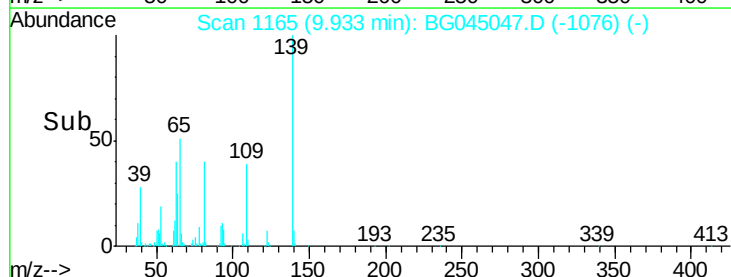
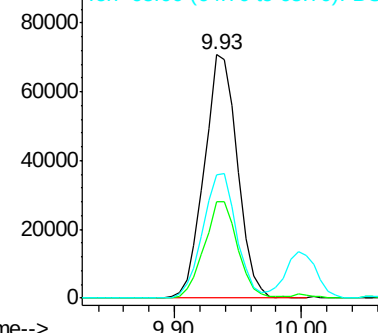
139 100

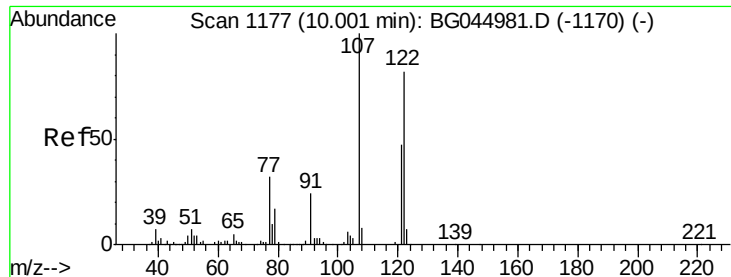
109 39.4 30.6 45.8

65 50.9 41.8 62.6



Abundance Ion 139.00 (138.70 to 139.70): BGC  
Ion 109.00 (108.70 to 109.70): BGC  
Ion 65.00 (64.70 to 65.70): BGC

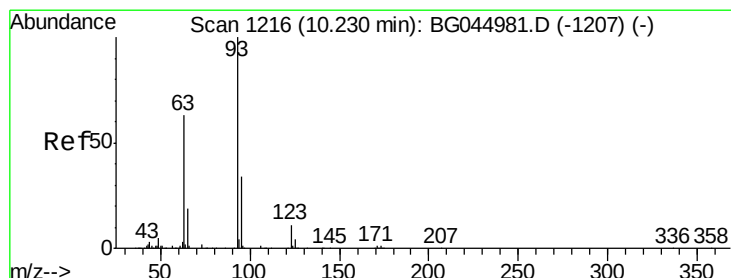
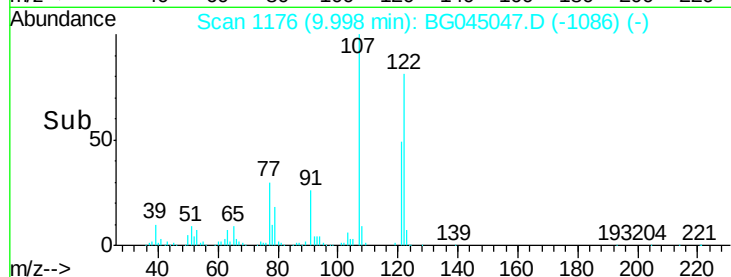
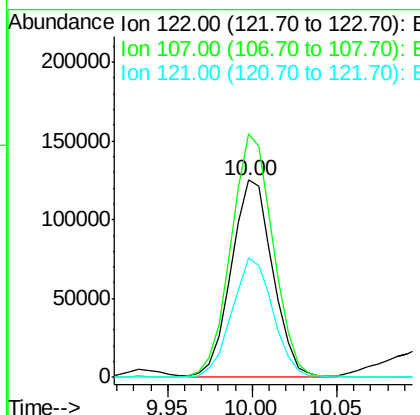
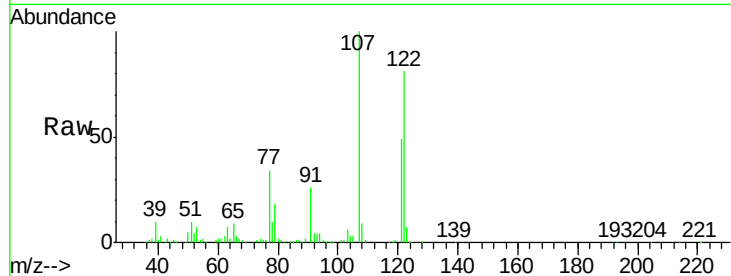




#27  
 2,4-Dimethylphenol  
 Concen: 50.434 ng  
 RT: 10.00 min Scan# 1176  
 Delta R.T. -0.00 min  
 Lab File: BG045047.D  
 Acq: 18 Apr 2020 1:47

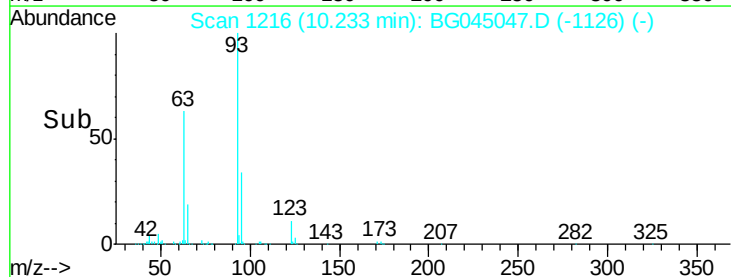
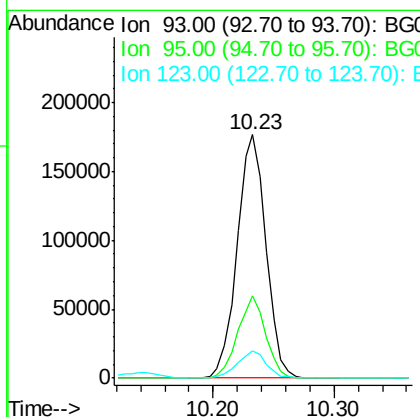
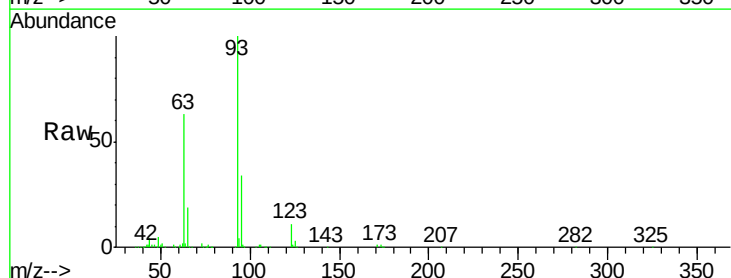
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB128298BSD

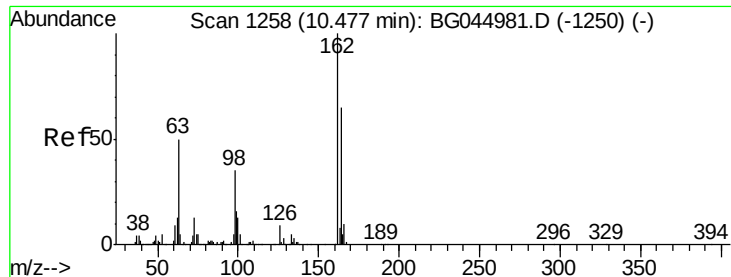
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 123.3 | 96.8  | 145.2 |
| 121     | 60.7  | 45.6  | 68.4  |



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 44.845 ng  
 RT: 10.23 min Scan# 1216  
 Delta R.T. -0.00 min  
 Lab File: BG045047.D  
 Acq: 18 Apr 2020 1:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 33.9  | 27.0  | 40.4  |
| 123     | 11.1  | 8.7   | 13.1  |

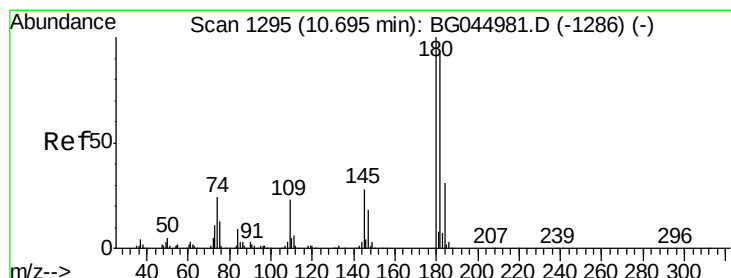
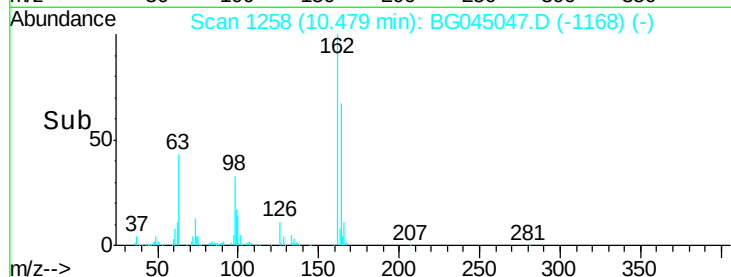
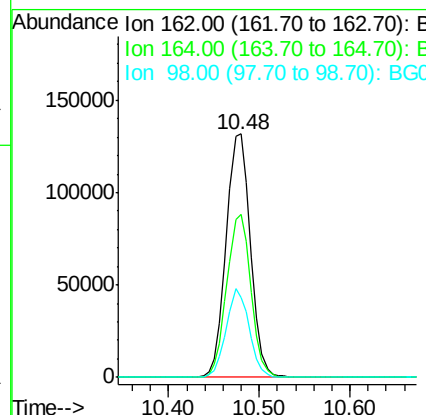
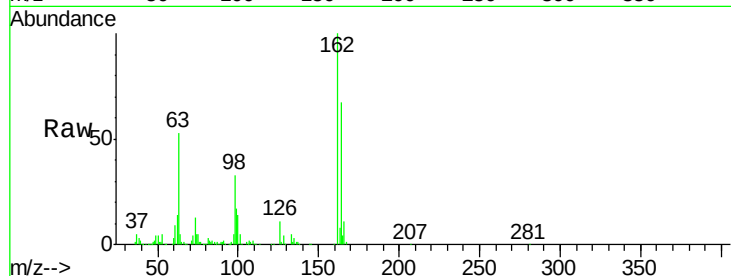




#29  
 2,4-Dichlorophenol  
 Concen: 49.977 ng  
 RT: 10.48 min Scan# 1258  
 Delta R.T. -0.00 min  
 Lab File: BG045047.D  
 Acq: 18 Apr 2020 1:47

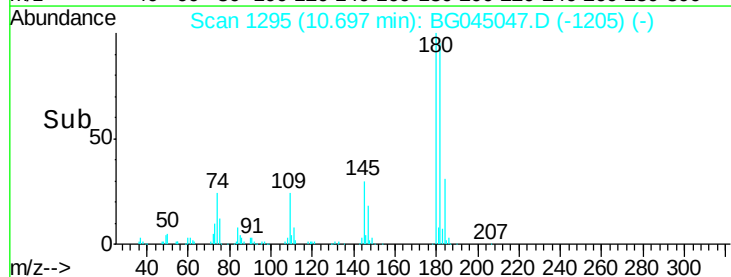
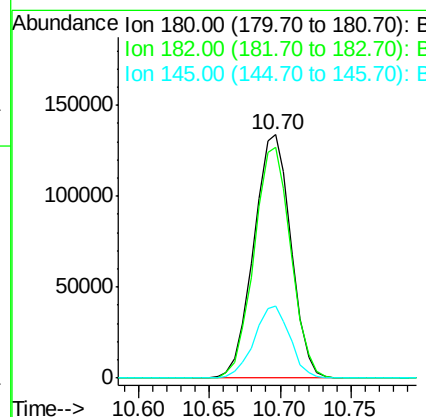
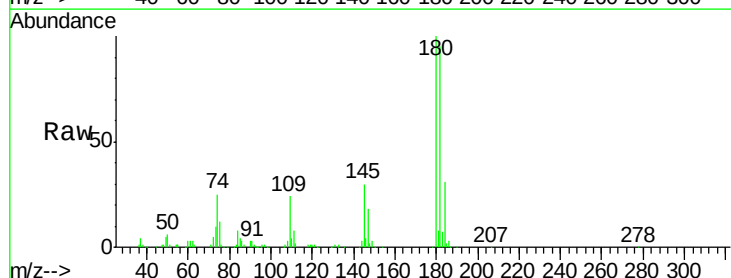
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB128298BSD

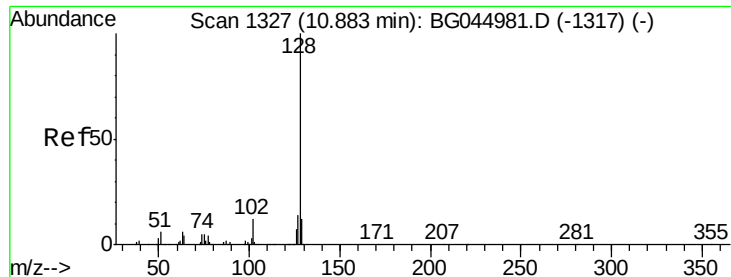
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 67.2  | 45.0  | 85.0  |
| 98      | 32.8  | 15.2  | 55.2  |



#30  
 1,2,4-Trichlorobenzene  
 Concen: 44.421 ng  
 RT: 10.70 min Scan# 1295  
 Delta R.T. -0.00 min  
 Lab File: BG045047.D  
 Acq: 18 Apr 2020 1:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.8  | 73.3  | 109.9 |
| 145     | 29.6  | 22.6  | 33.8  |

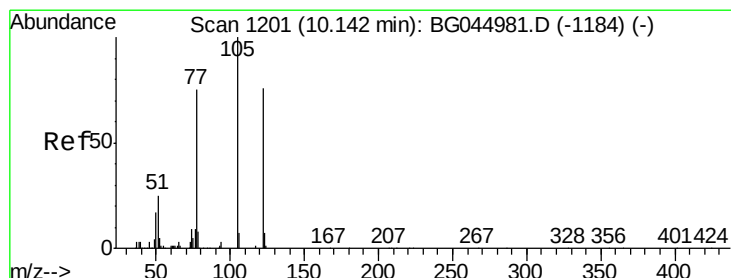
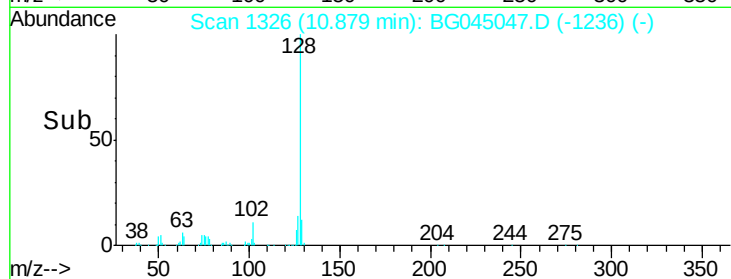
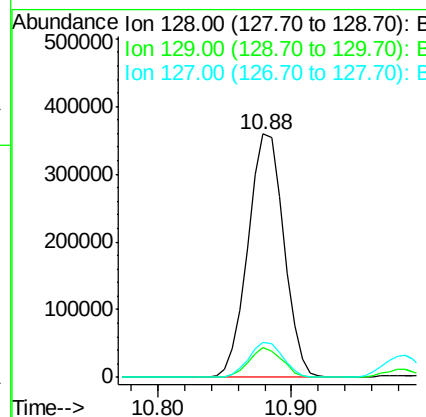
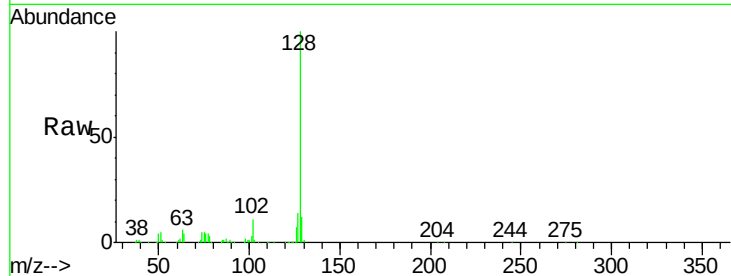




#31  
Naphthalene  
Concen: 44.056 ng  
RT: 10.88 min Scan# 1326  
Delta R.T. -0.00 min  
Lab File: BG045047.D  
Acq: 18 Apr 2020 1:47

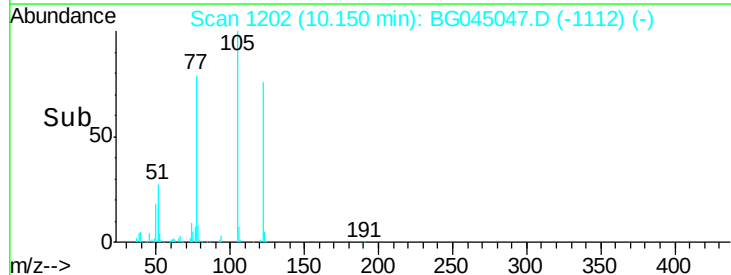
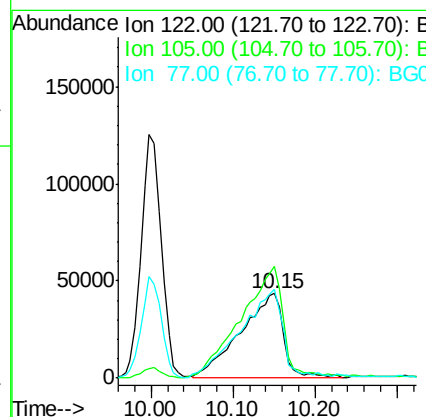
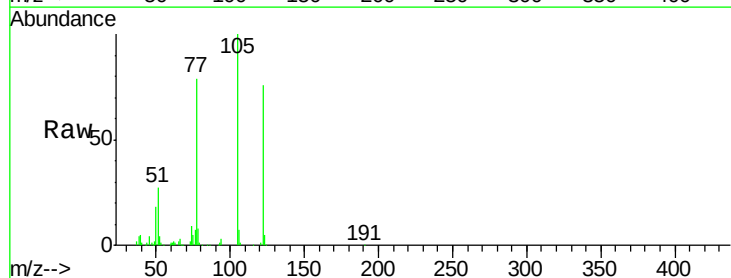
Instrument :  
BNA\_G  
ClientSampleId :  
PB128298BSD

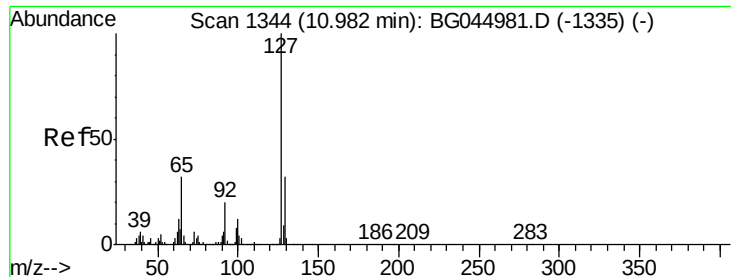
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 12.1  | 9.4   | 14.2  |
| 127     | 14.4  | 10.8  | 16.2  |



#32  
Benzoic acid  
Concen: 46.961 ng  
RT: 10.15 min Scan# 1202  
Delta R.T. -0.00 min  
Lab File: BG045047.D  
Acq: 18 Apr 2020 1:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 105     | 132.0 | 108.4 | 148.4 |
| 77      | 104.5 | 78.8  | 118.8 |

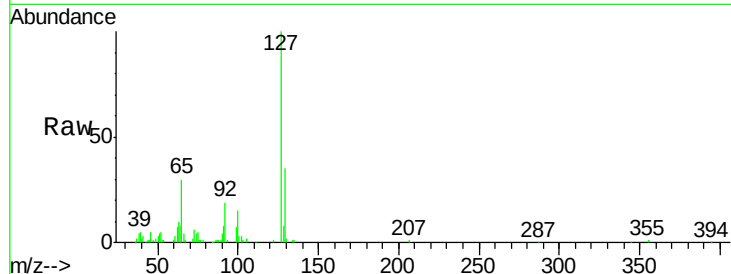




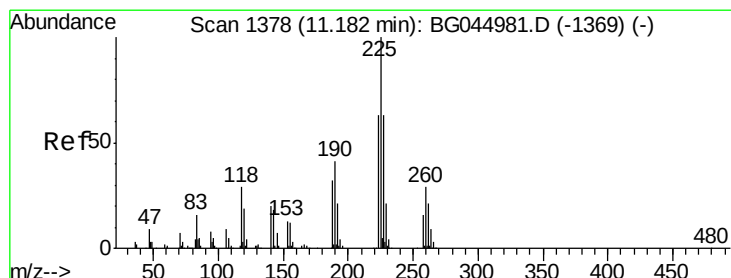
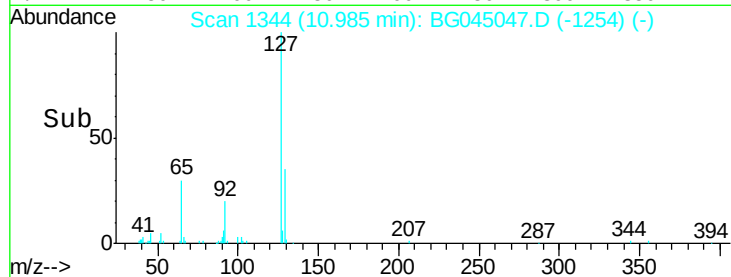
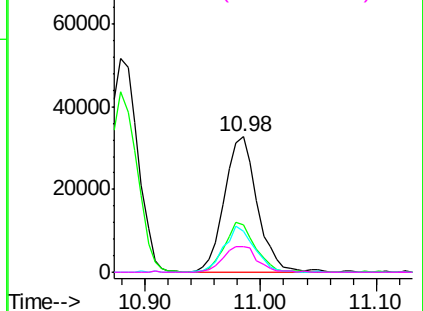
#33  
4-Chloroaniline  
Concen: 9.166 ng  
RT: 10.98 min Scan# 1344  
Delta R.T. -0.00 min  
Lab File: BG045047.D  
Acq: 18 Apr 2020 1:47

Instrument :  
BNA\_G  
ClientSampleId :  
PB128298BSD

|             |       |           |
|-------------|-------|-----------|
| Tot Ion:127 | Resp: | 64792     |
| Ion Ratio   | Lower | Upper     |
| 127         | 100   |           |
| 129         | 35.4  | 25.7 38.5 |
| 65          | 30.2  | 25.4 38.2 |
| 92          | 19.4  | 16.1 24.1 |

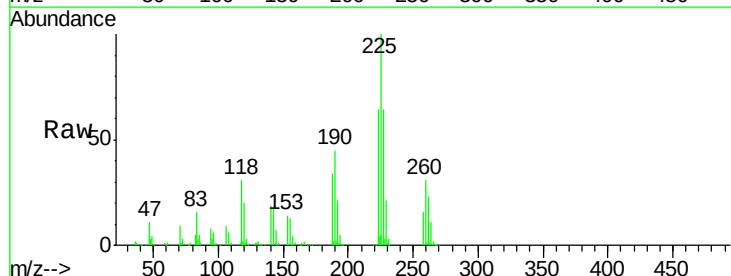


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BGC  
Ion 92.00 (91.70 to 92.70): BGC

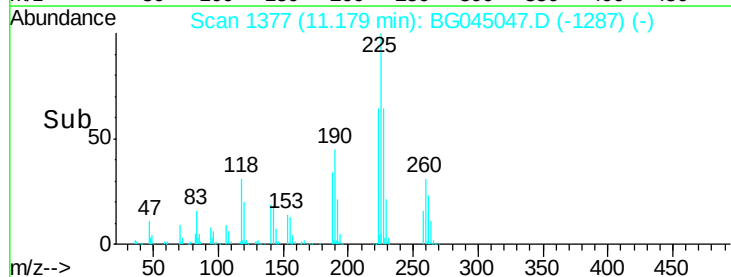
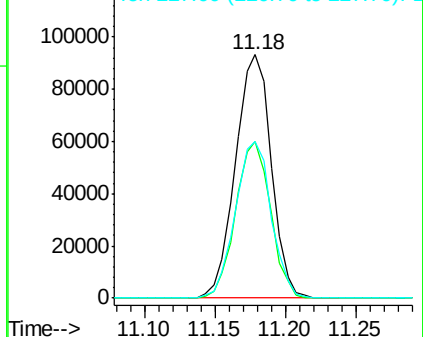


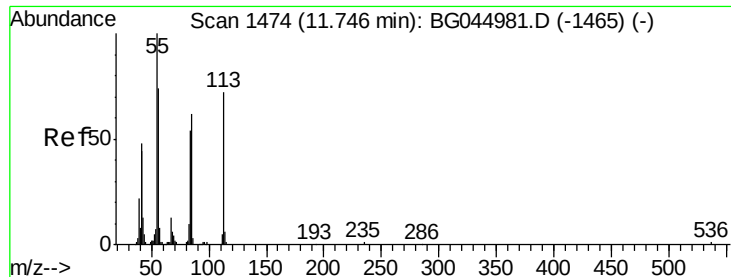
#34  
Hexachlorobutadiene  
Concen: 43.298 ng  
RT: 11.18 min Scan# 1377  
Delta R.T. -0.00 min  
Lab File: BG045047.D  
Acq: 18 Apr 2020 1:47

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:225 | Resp: | 165109    |
| Ion Ratio   | Lower | Upper     |
| 225         | 100   |           |
| 223         | 64.5  | 50.7 76.1 |
| 227         | 64.4  | 50.2 75.2 |



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

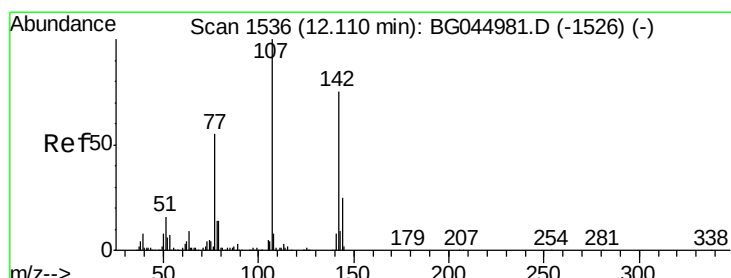
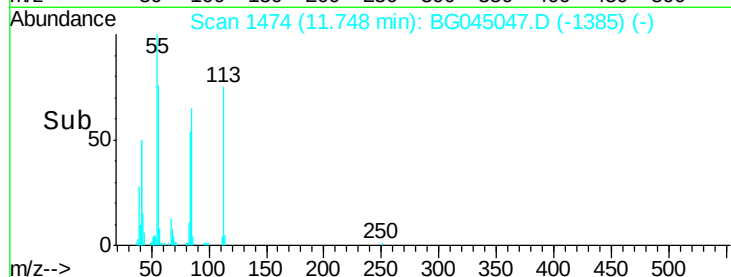
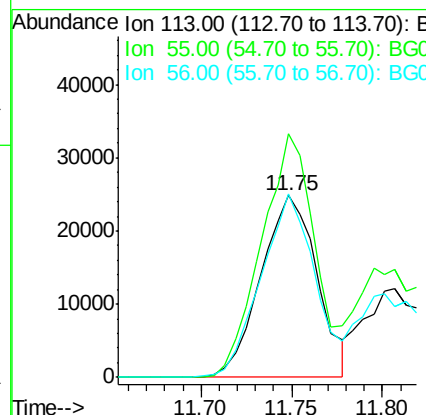
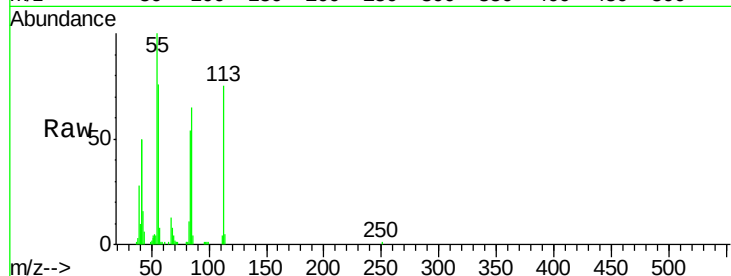




#35  
 Caprolactam  
 Concen: 27.349 ng  
 RT: 11.75 min Scan# 1474  
 Delta R.T. -0.01 min  
 Lab File: BG045047.D  
 Acq: 18 Apr 2020 1:47

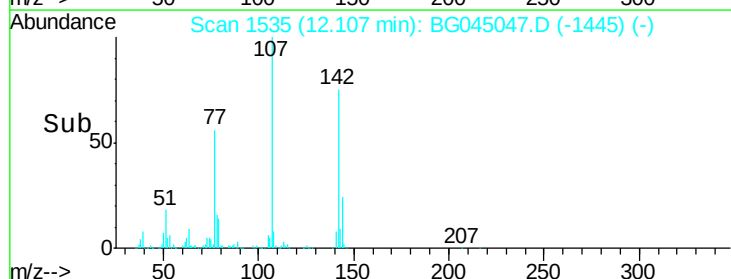
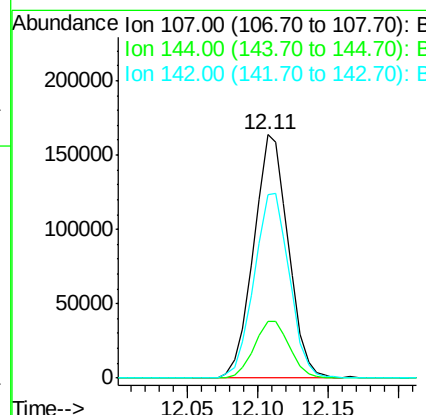
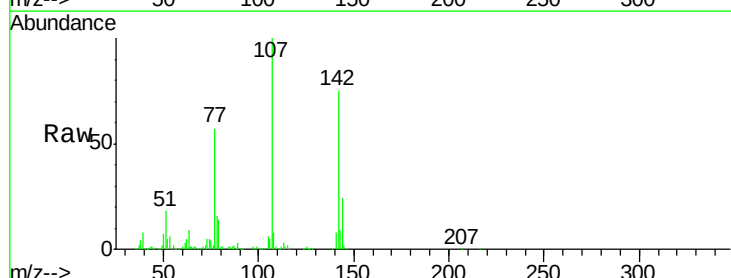
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB128298BSD

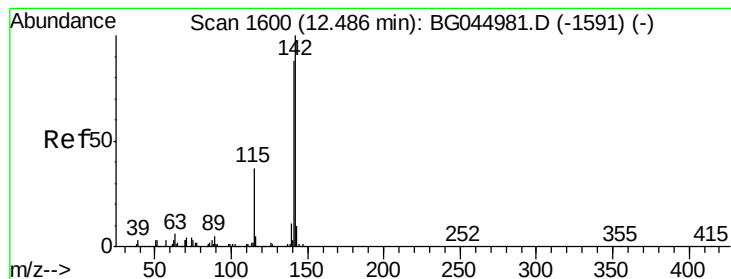
Tot Ion:113 Resp: 53470  
 Ion Ratio Lower Upper  
 113 100  
 55 134.1 118.8 158.8  
 56 101.4 82.6 122.6



#36  
 4-Chloro-3-methylphenol  
 Concen: 48.868 ng  
 RT: 12.11 min Scan# 1535  
 Delta R.T. -0.00 min  
 Lab File: BG045047.D  
 Acq: 18 Apr 2020 1:47

Tgt Ion:107 Resp: 282008  
 Ion Ratio Lower Upper  
 107 100  
 144 23.6 19.8 29.6  
 142 75.2 59.7 89.5





#37

2-Methylnaphthalene

Concen: 45.278 ng

RT: 12.48 min Scan# 1599

Delta R.T. -0.01 min

Lab File: BG045047.D

Acq: 18 Apr 2020 1:47

Instrument :

BNA\_G

ClientSampleId :

PB128298BSD

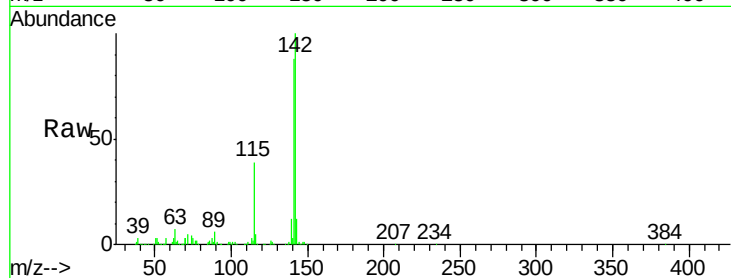
Tot Ion:142 Resp: 532709

Ion Ratio Lower Upper

142 100

141 88.5 70.3 105.5

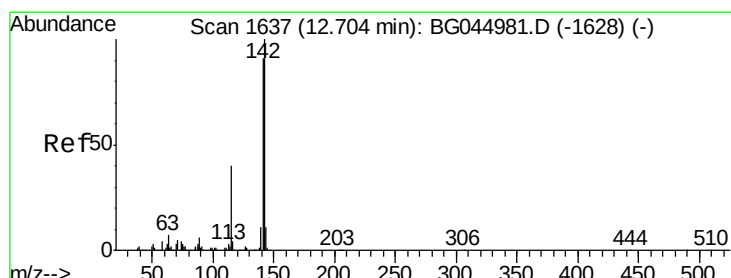
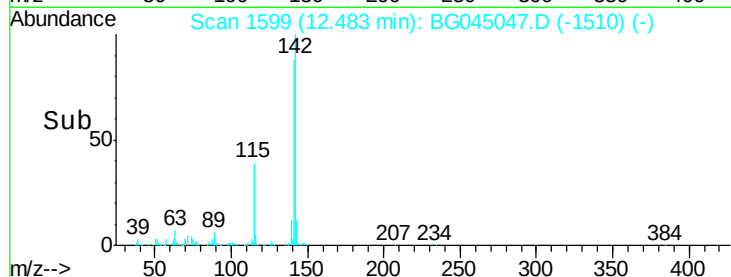
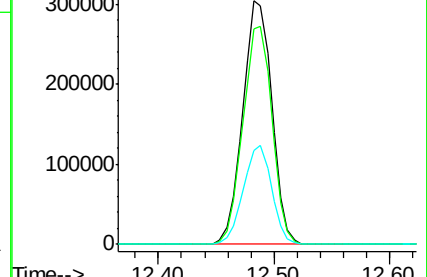
115 38.8 29.8 44.6



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

1-Methylnaphthalene

Concen: 45.683 ng

RT: 12.71 min Scan# 1637

Delta R.T. -0.00 min

Lab File: BG045047.D

Acq: 18 Apr 2020 1:47

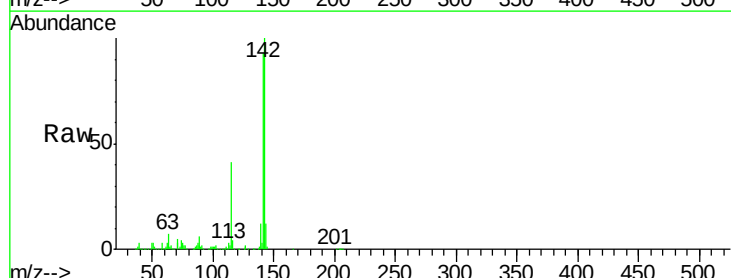
Tgt Ion:142 Resp: 507402

Ion Ratio Lower Upper

142 100

141 93.3 72.7 109.1

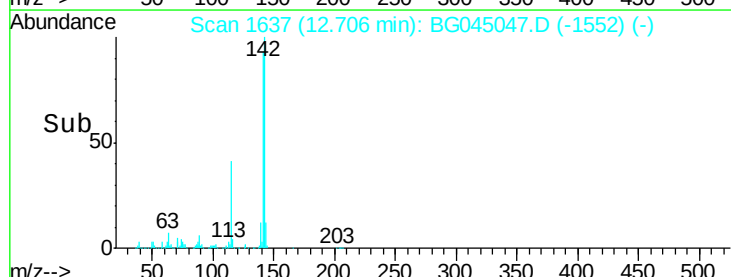
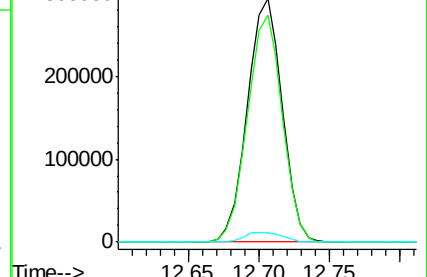
116 3.9 3.1 4.7

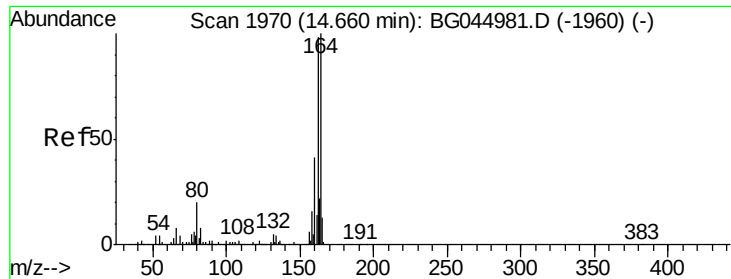


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1969

Delta R.T. -0.00 min

Lab File: BG045047.D

Acq: 18 Apr 2020 1:47

Instrument :

BNA\_G

ClientSampleId :

PB128298BSD

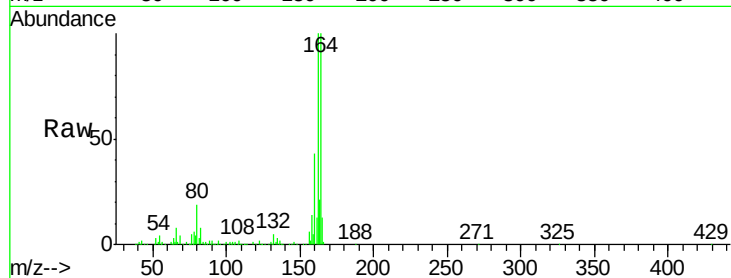
Tot Ion:164 Resp: 214318

Ion Ratio Lower Upper

164 100

162 100.1 78.7 118.1

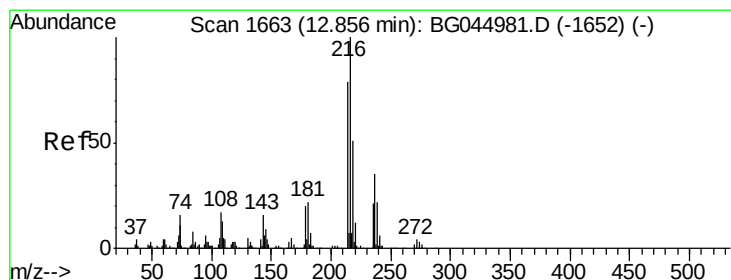
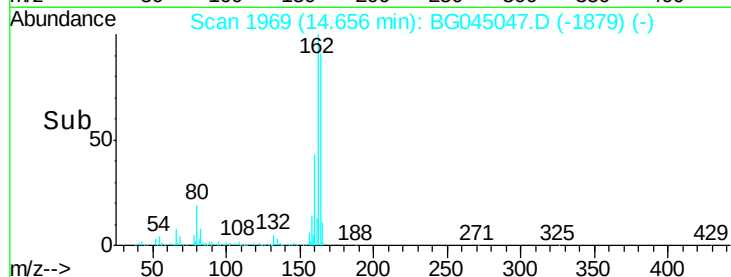
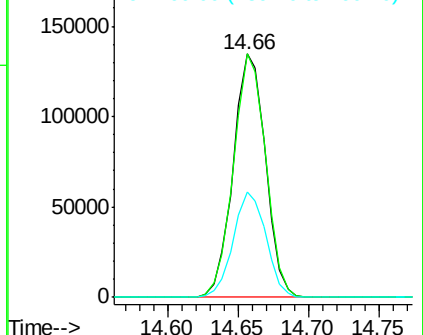
160 43.3 32.8 49.2



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



#40

1,2,4,5-Tetrachlorobenzene

Concen: 42.765 ng

RT: 12.86 min Scan# 1663

Delta R.T. 0.01 min

Lab File: BG045047.D

Acq: 18 Apr 2020 1:47

Tgt Ion:216 Resp: 295096

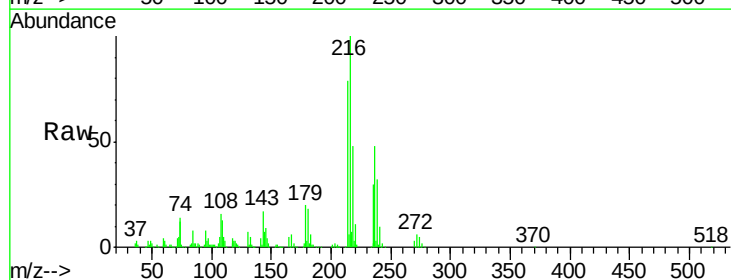
Ion Ratio Lower Upper

216 100

214 79.0 63.0 94.6

179 19.8 15.8 23.8

108 19.4 14.2 21.2

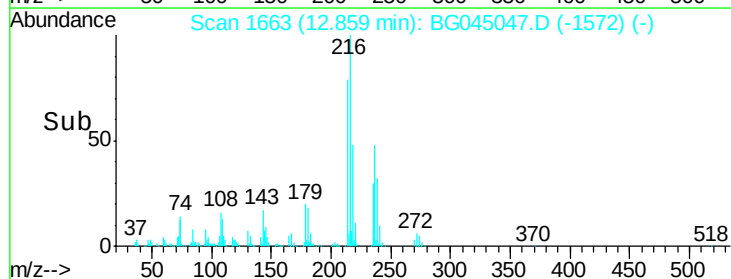
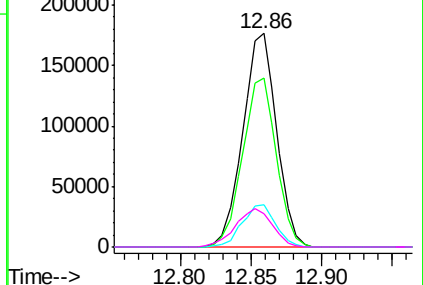


Abundance Ion 216.00 (215.70 to 216.70): E

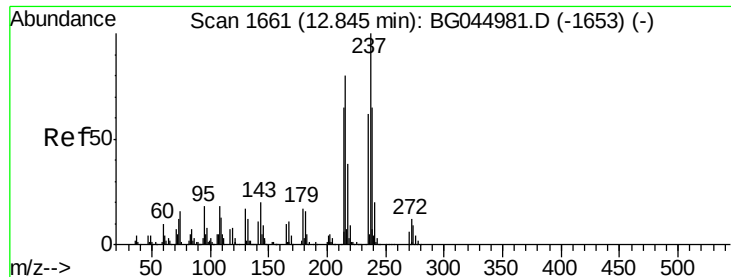
Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E







#41

Hexachlorocyclopentadiene

Concen: 101.013 ng

RT: 12.84 min Scan# 1660

Delta R.T. -0.00 min

Lab File: BG045047.D

Acq: 18 Apr 2020 1:47

Instrument :

BNA\_G

ClientSampleId :

PB128298BSD

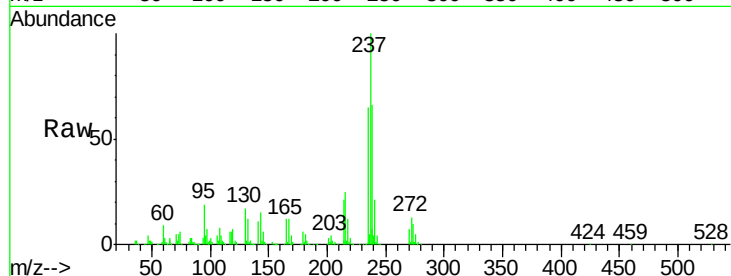
Tot Ion:237 Resp: 435661

Ion Ratio Lower Upper

237 100

235 65.4 41.6 81.6

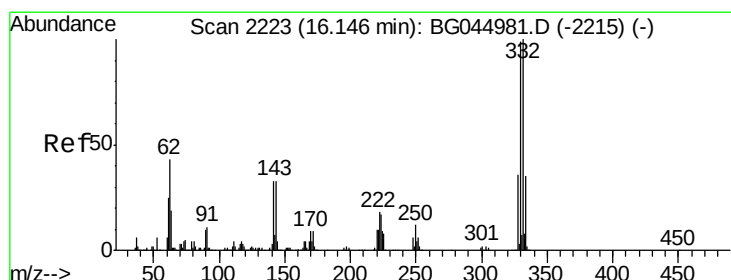
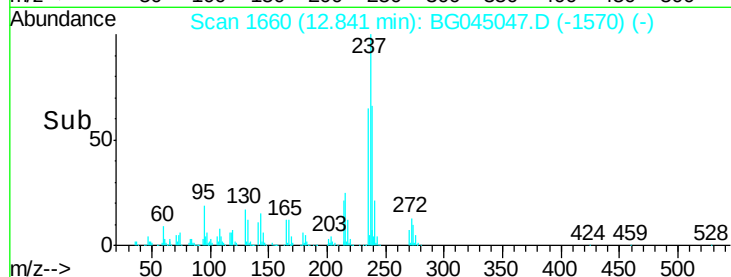
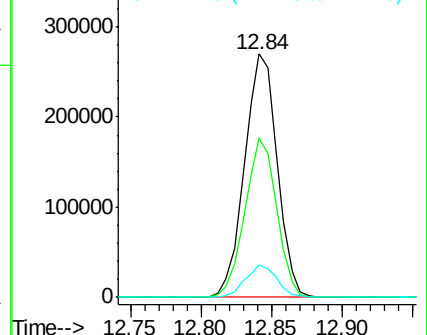
272 13.3 0.0 32.1



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



#42

2,4,6-Tribromophenol

Concen: 133.117 ng

RT: 16.15 min Scan# 2223

Delta R.T. 0.01 min

Lab File: BG045047.D

Acq: 18 Apr 2020 1:47

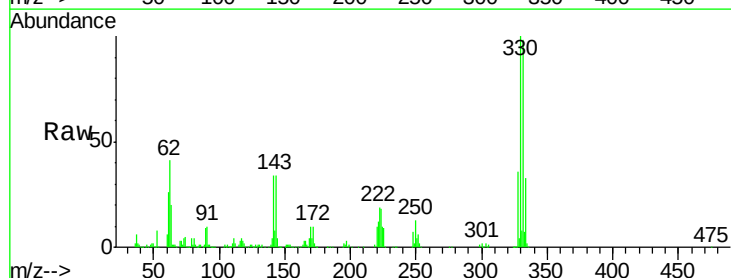
Tgt Ion:330 Resp: 440743

Ion Ratio Lower Upper

330 100

332 98.7 79.1 118.7

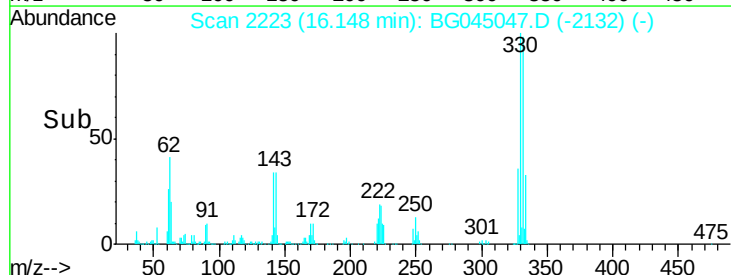
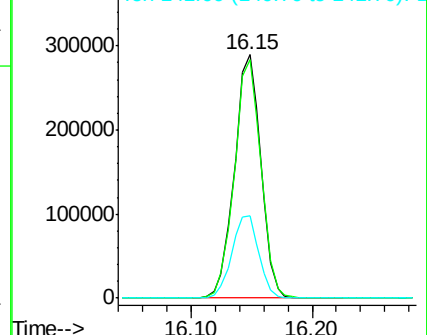
141 34.4 27.1 40.7

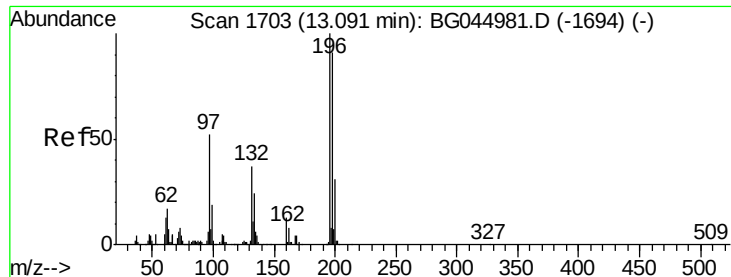


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

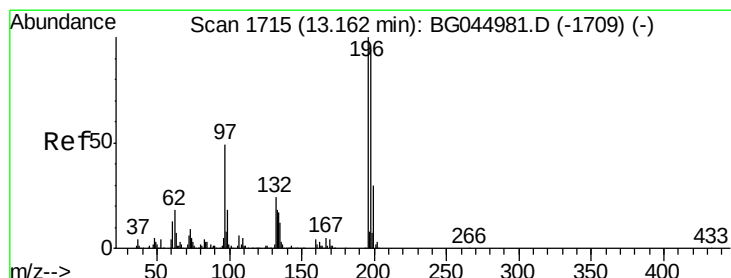
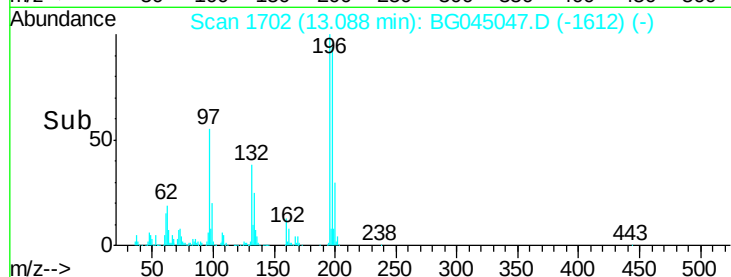
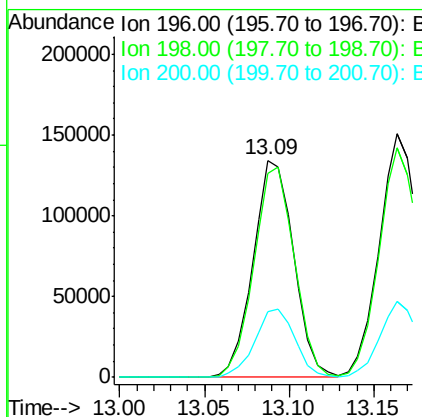
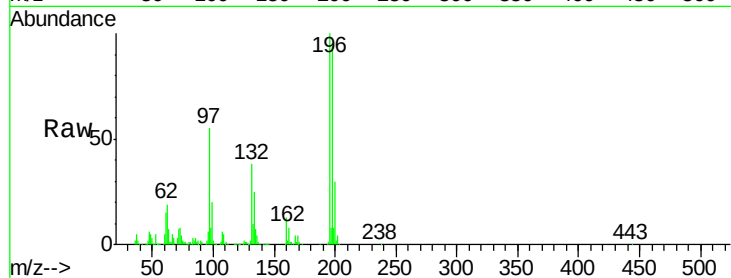




#43  
2,4,6-Trichlorophenol  
Concen: 46.144 ng  
RT: 13.09 min Scan# 1702  
Delta R.T. -0.00 min  
Lab File: BG045047.D  
Acq: 18 Apr 2020 1:47

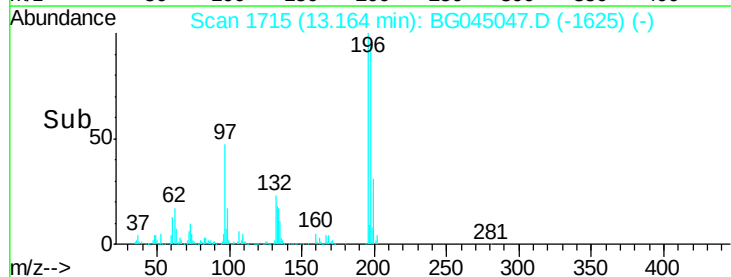
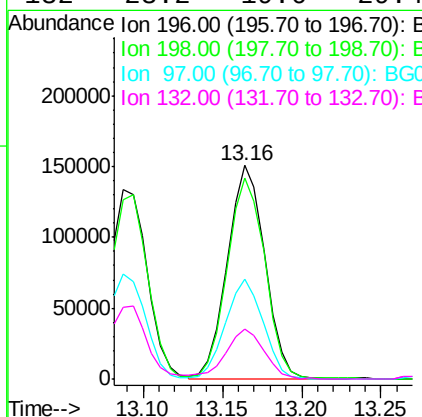
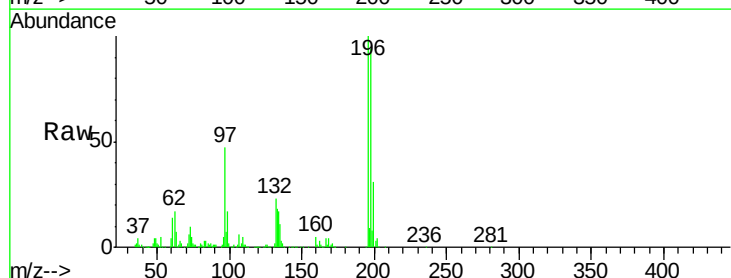
Instrument :  
BNA\_G  
ClientSampleId :  
PB128298BSD

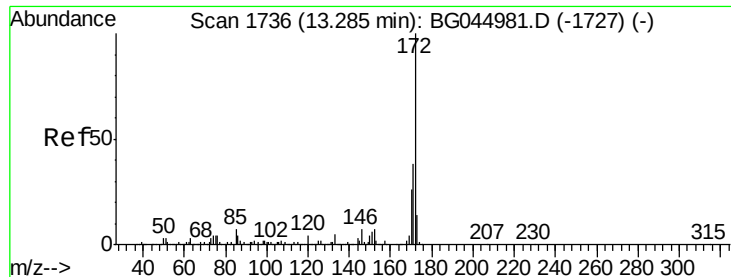
Tot Ion:196 Resp: 224724  
Ion Ratio Lower Upper  
196 100  
198 94.3 72.5 108.7  
200 30.2 24.5 36.7



#44  
2,4,5-Trichlorophenol  
Concen: 44.459 ng  
RT: 13.16 min Scan# 1715  
Delta R.T. -0.00 min  
Lab File: BG045047.D  
Acq: 18 Apr 2020 1:47

Tgt Ion:196 Resp: 246454  
Ion Ratio Lower Upper  
196 100  
198 94.4 75.7 113.5  
97 46.7 39.6 59.4  
132 23.2 19.6 29.4

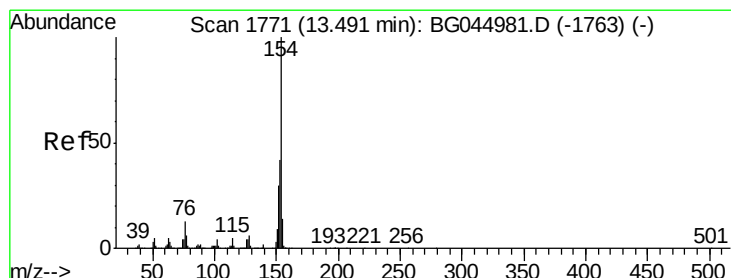
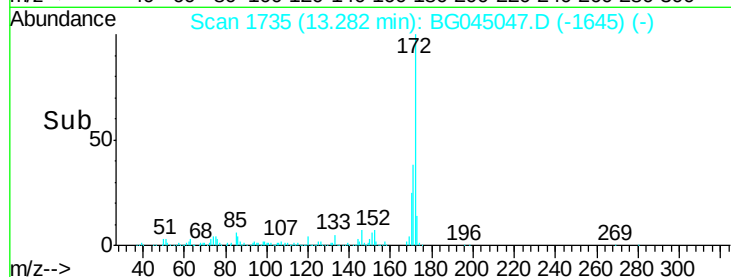
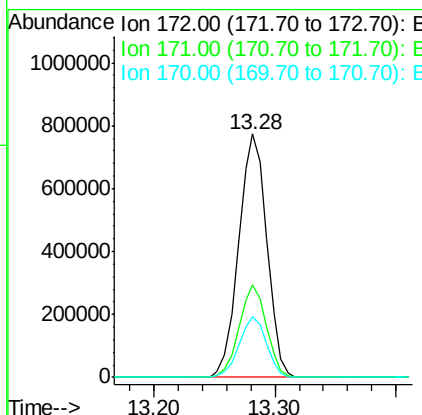
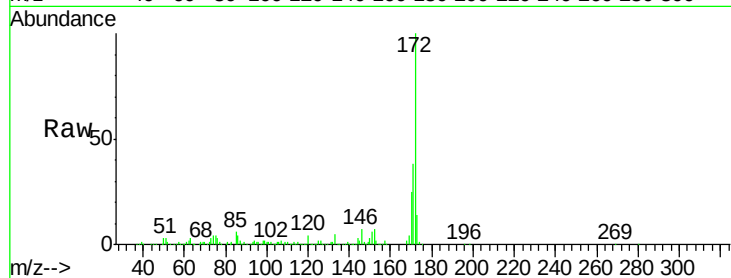




#45  
2-Fluorobiphenyl  
Concen: 85.822 ng  
RT: 13.28 min Scan# 1735  
Delta R.T. -0.00 min  
Lab File: BG045047.D  
Acq: 18 Apr 2020 1:47

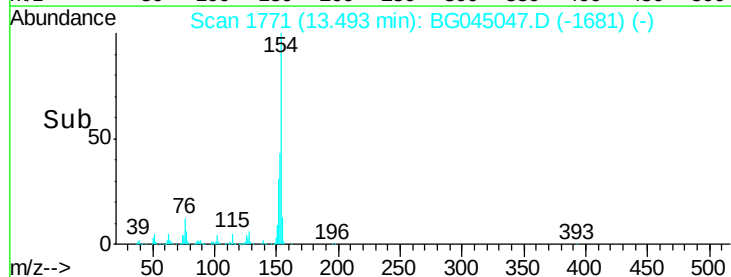
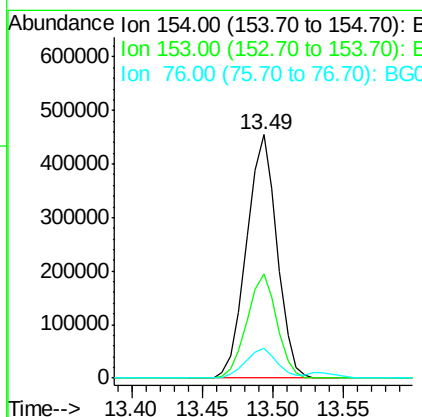
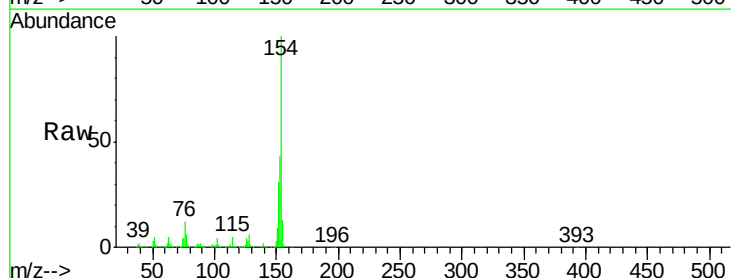
Instrument :  
BNA\_G  
ClientSampleId :  
PB128298BSD

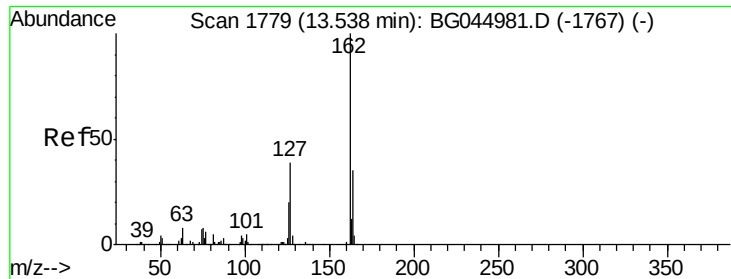
Tot Ion:172 Resp: 1254386  
Ion Ratio Lower Upper  
172 100  
171 38.0 30.6 46.0  
170 25.0 20.5 30.7



#46  
1,1'-Biphenyl  
Concen: 42.164 ng  
RT: 13.49 min Scan# 1771  
Delta R.T. -0.00 min  
Lab File: BG045047.D  
Acq: 18 Apr 2020 1:47

Tgt Ion:154 Resp: 686841  
Ion Ratio Lower Upper  
154 100  
153 42.6 21.9 61.9  
76 12.5 0.0 33.1

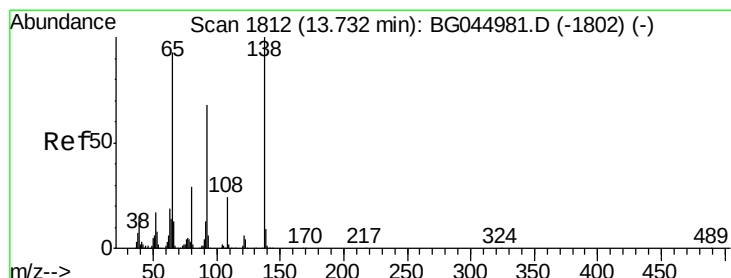
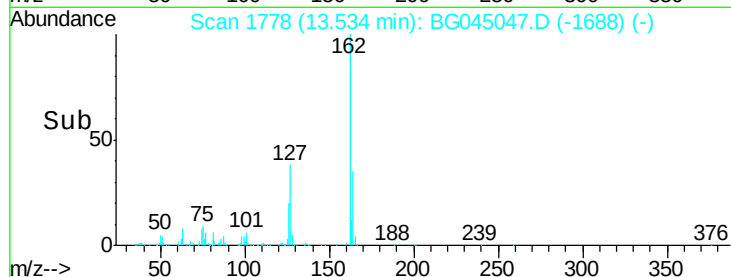
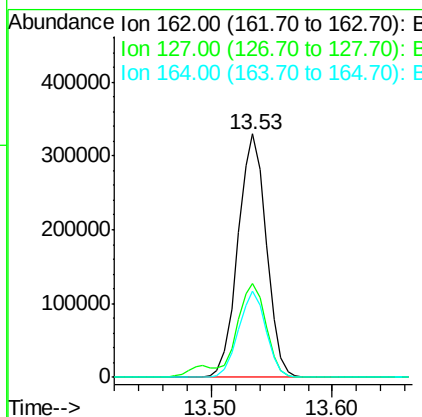
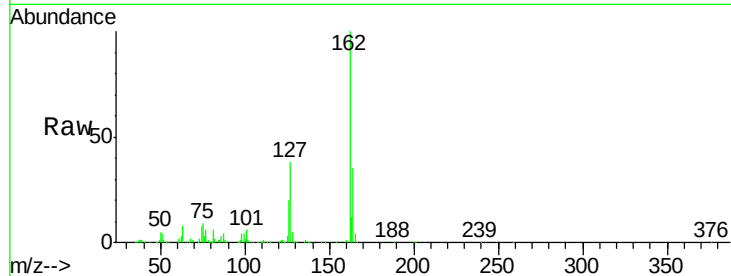




#47  
 2-Chloronaphthalene  
 Concen: 43.298 ng  
 RT: 13.53 min Scan# 1778  
 Delta R.T. -0.00 min  
 Lab File: BG045047.D  
 Acq: 18 Apr 2020 1:47

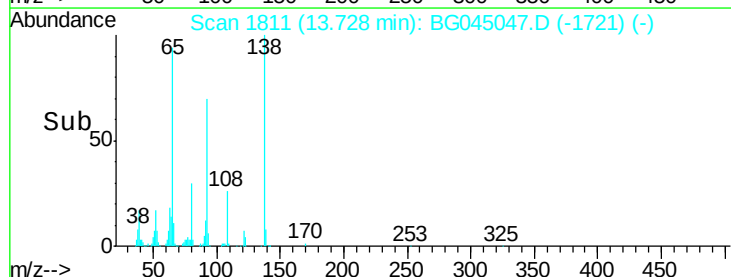
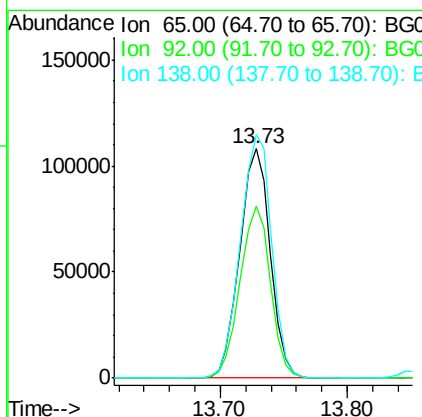
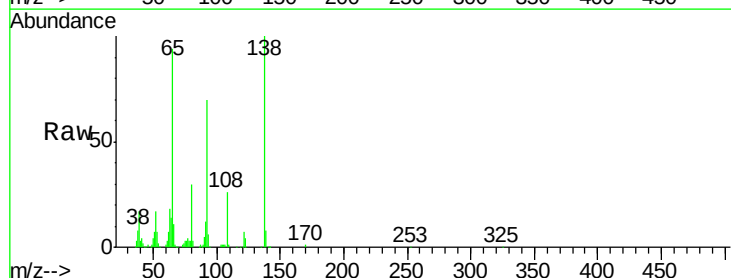
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB128298BSD

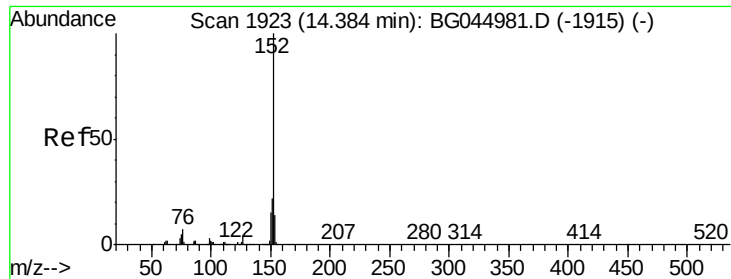
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 38.3  | 31.3  | 46.9  |
| 164     | 35.4  | 27.8  | 41.8  |



#48  
 2-Nitroaniline  
 Concen: 44.294 ng  
 RT: 13.73 min Scan# 1811  
 Delta R.T. -0.00 min  
 Lab File: BG045047.D  
 Acq: 18 Apr 2020 1:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 74.9  | 58.3  | 87.5  |
| 138     | 106.3 | 85.6  | 128.4 |





#49

Acenaphthylene

Concen: 44.775 ng

RT: 14.38 min Scan# 1922

Delta R.T. -0.00 min

Lab File: BG045047.D

Acq: 18 Apr 2020 1:47

Instrument :

BNA\_G

ClientSampleId :

PB128298BSD

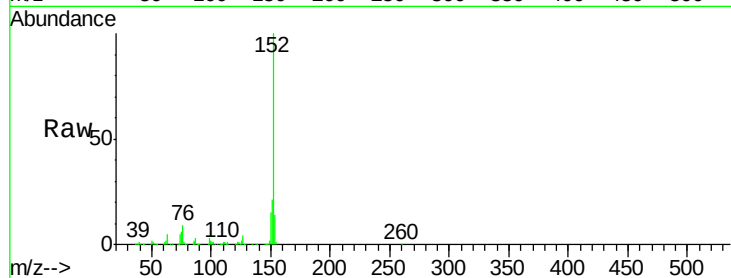
Tot Ion:152 Resp: 907793

Ion Ratio Lower Upper

152 100

151 21.0 17.2 25.8

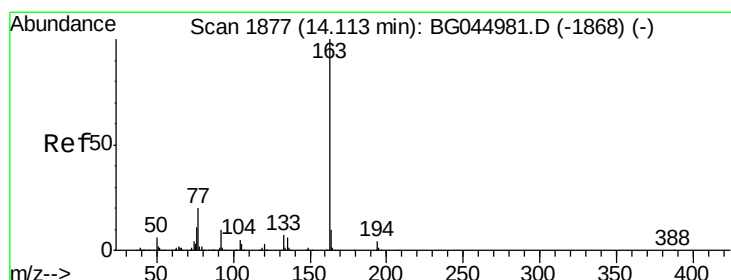
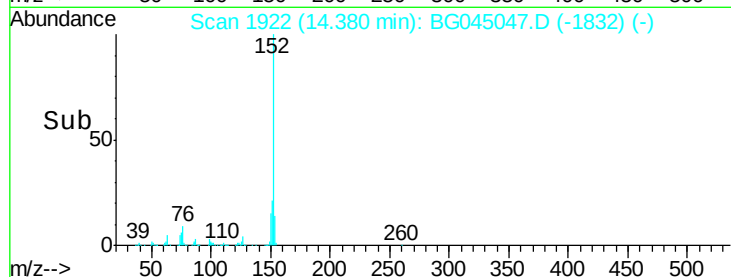
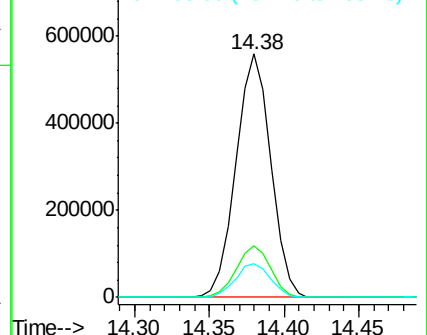
153 13.8 11.0 16.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 44.541 ng

RT: 14.11 min Scan# 1876

Delta R.T. -0.00 min

Lab File: BG045047.D

Acq: 18 Apr 2020 1:47

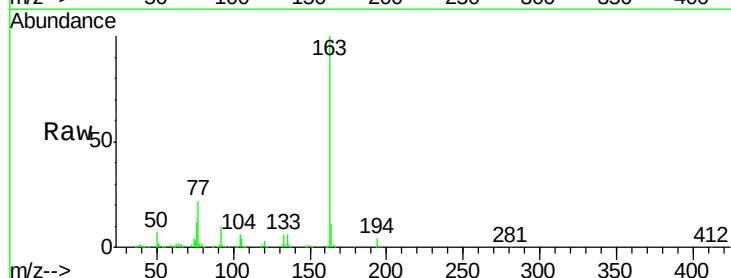
Tgt Ion:163 Resp: 777270

Ion Ratio Lower Upper

163 100

194 4.4 3.5 5.3

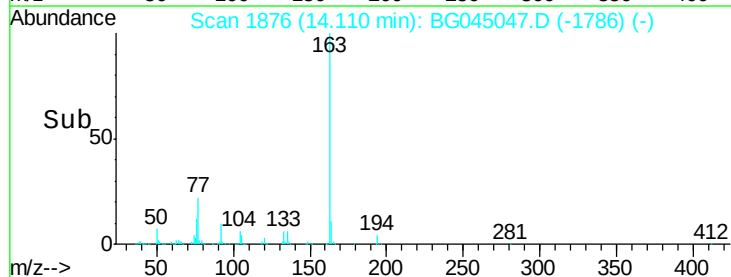
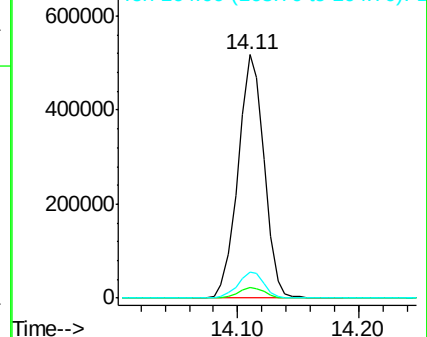
164 10.7 8.2 12.4

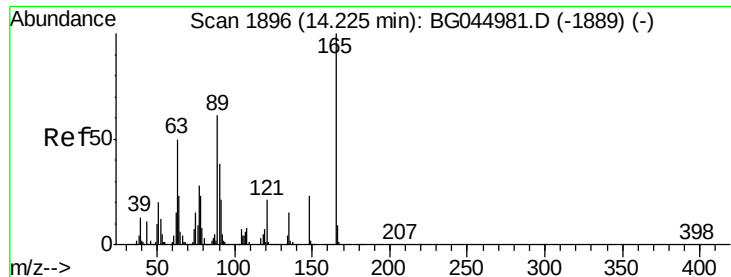


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 45.324 ng

RT: 14.22 min Scan# 1895

Delta R.T. -0.00 min

Lab File: BG045047.D

Acq: 18 Apr 2020 1:47

Instrument :

BNA\_G

ClientSampleId :

PB128298BSD

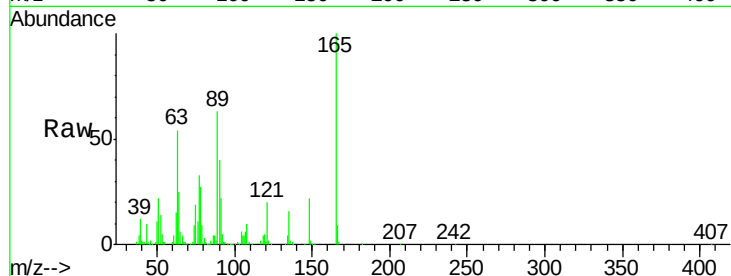
Tot Ion:165 Resp: 176911

Ion Ratio Lower Upper

165 100

63 54.5 40.4 60.6

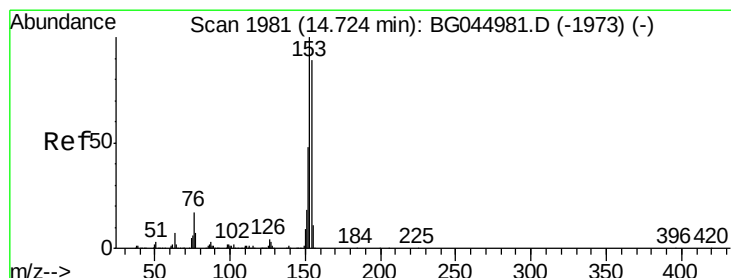
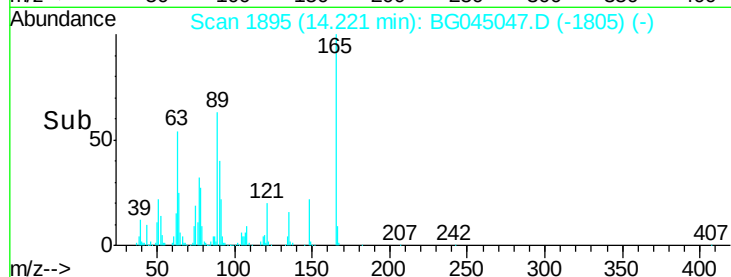
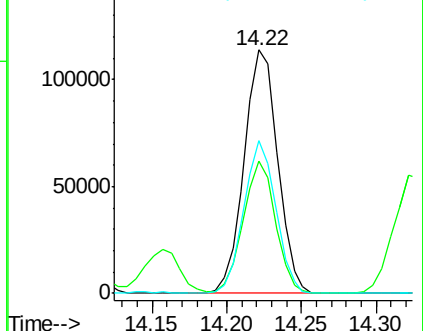
89 62.6 49.1 73.7



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



#52

Acenaphthene

Concen: 40.031 ng

RT: 14.72 min Scan# 1980

Delta R.T. -0.00 min

Lab File: BG045047.D

Acq: 18 Apr 2020 1:47

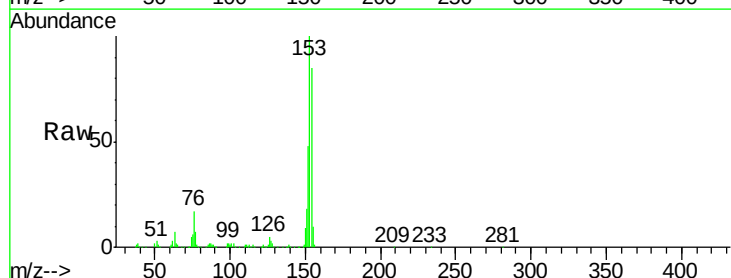
Tgt Ion:154 Resp: 549133

Ion Ratio Lower Upper

154 100

153 118.2 89.7 134.5

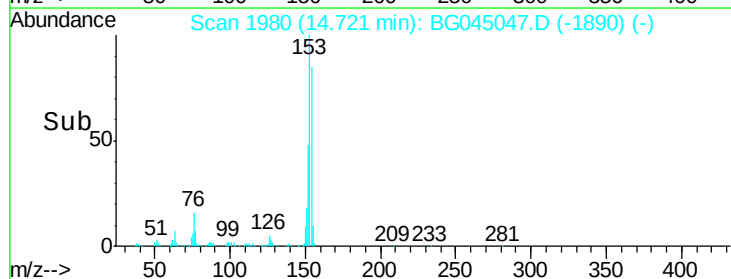
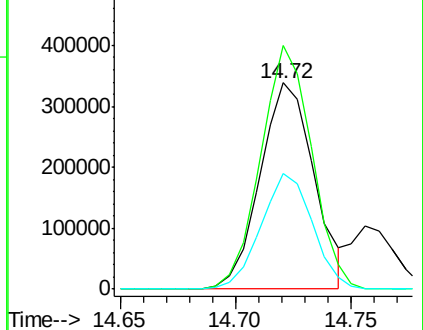
152 56.3 43.1 64.7

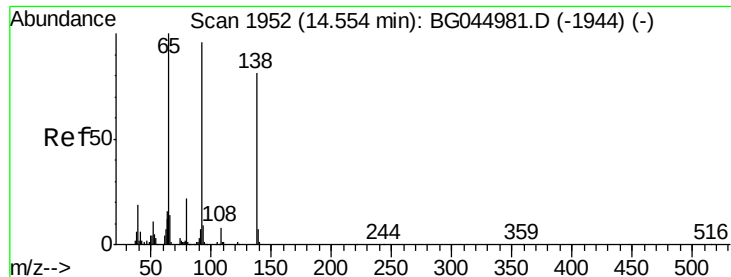


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

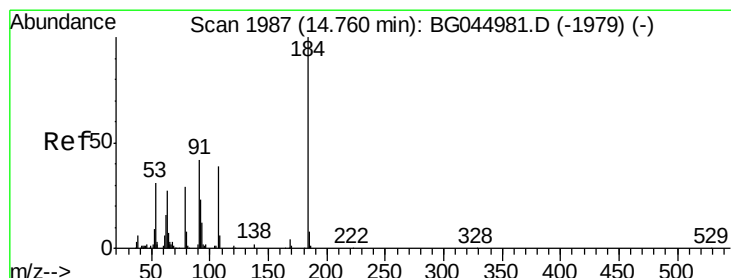
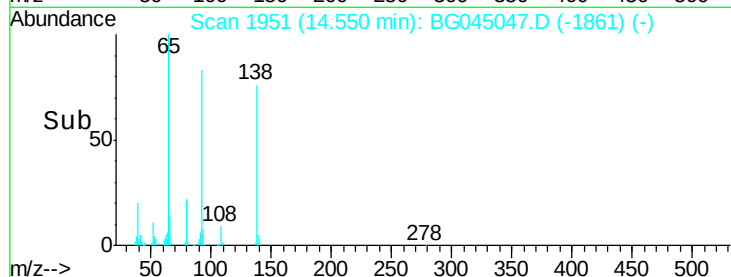
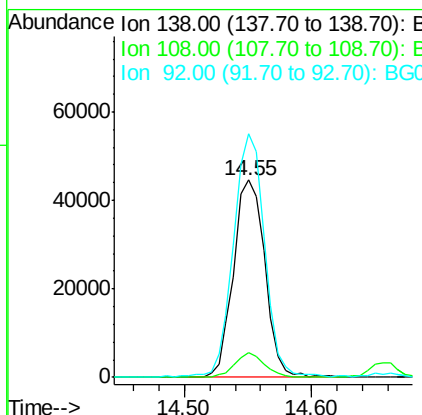
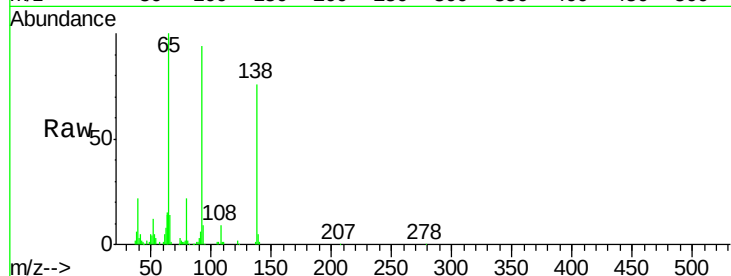




#53  
3-Nitroaniline  
Concen: 17.858 ng  
RT: 14.55 min Scan# 1951  
Delta R.T. -0.00 min  
Lab File: BG045047.D  
Acq: 18 Apr 2020 1:47

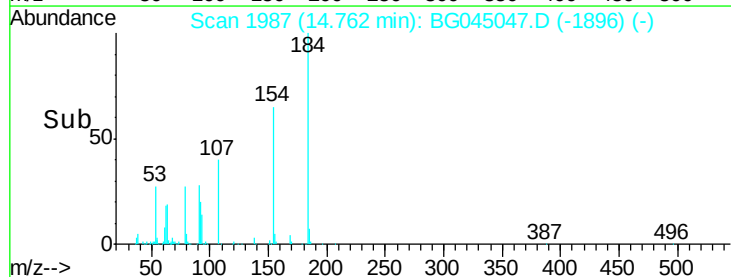
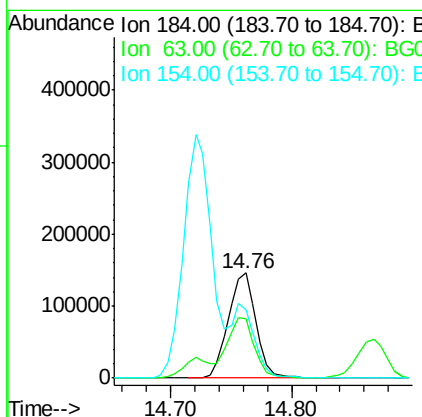
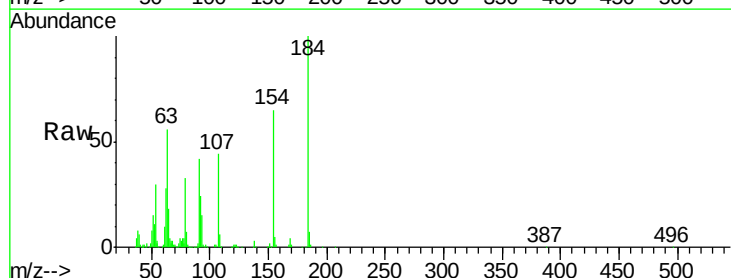
Instrument :  
BNA\_G  
ClientSampleId :  
PB128298BSD

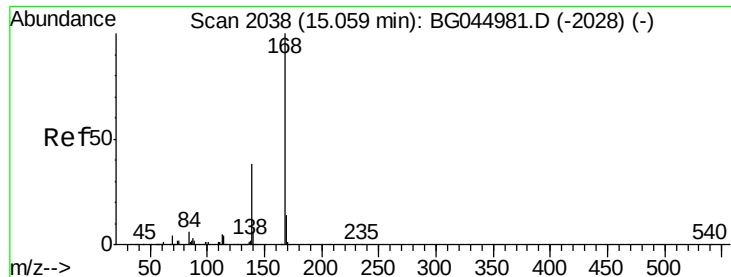
Tot Ion:138 Resp: 76450  
Ion Ratio Lower Upper  
138 100  
108 12.2 7.8 11.8#  
92 123.5 94.5 141.7



#54  
2,4-Dinitrophenol  
Concen: 100.661 ng  
RT: 14.76 min Scan# 1987  
Delta R.T. 0.01 min  
Lab File: BG045047.D  
Acq: 18 Apr 2020 1:47

Tgt Ion:184 Resp: 233632  
Ion Ratio Lower Upper  
184 100  
63 56.2 41.5 62.3  
154 65.3 52.3 78.5

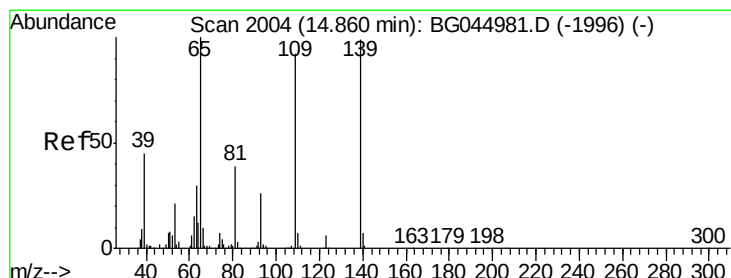
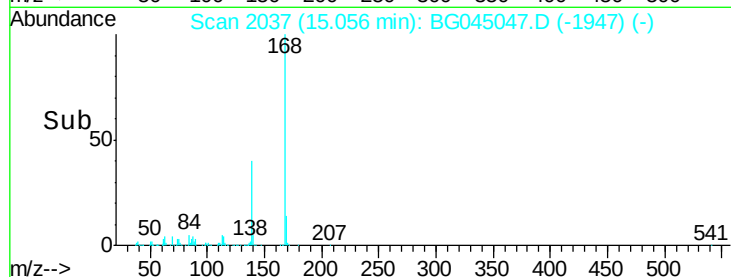
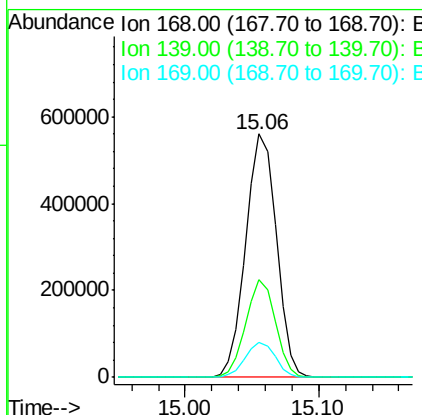
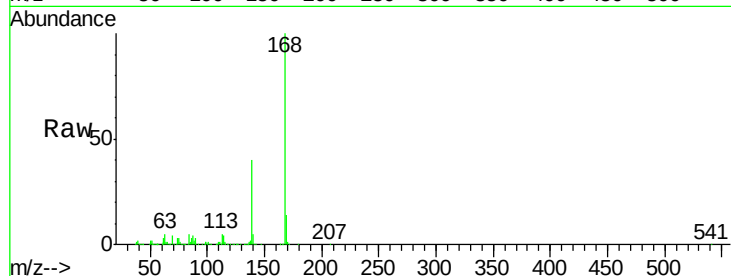




#55  
Dibenzenofuran  
Concen: 44.448 ng  
RT: 15.06 min Scan# 2037  
Delta R.T. -0.00 min  
Lab File: BG045047.D  
Acq: 18 Apr 2020 1:47

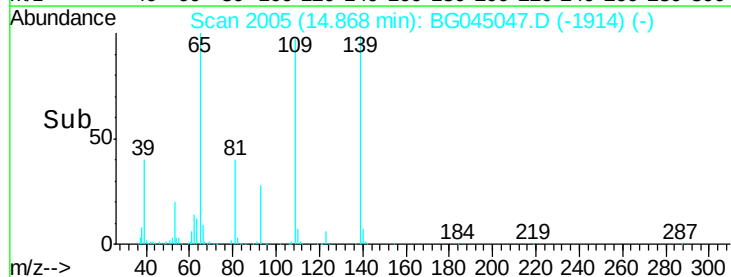
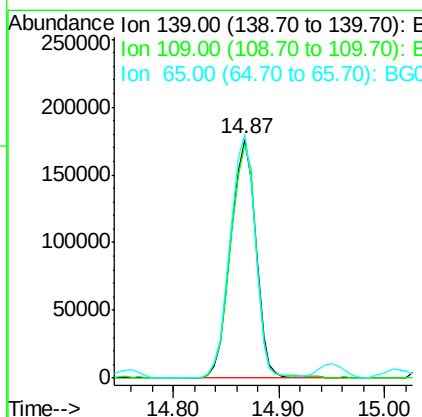
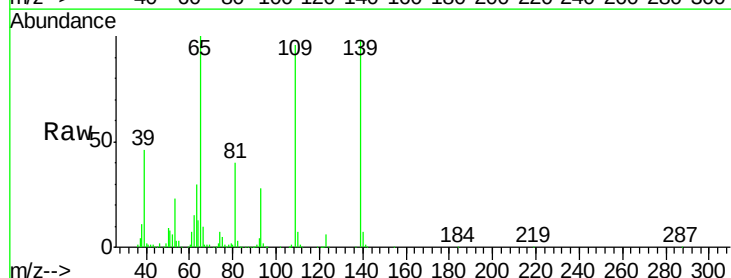
Instrument :  
BNA\_G  
ClientSampleId :  
PB128298BSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 40.1  | 30.4  | 45.6  |
| 169     | 14.4  | 11.0  | 16.4  |

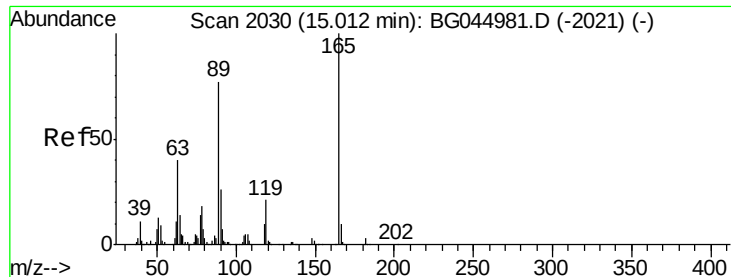


#56  
4-Nitrophenol  
Concen: 87.739 ng  
RT: 14.87 min Scan# 2005  
Delta R.T. 0.01 min  
Lab File: BG045047.D  
Acq: 18 Apr 2020 1:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 97.8  | 73.6  | 113.6 |
| 65      | 101.9 | 81.2  | 121.2 |



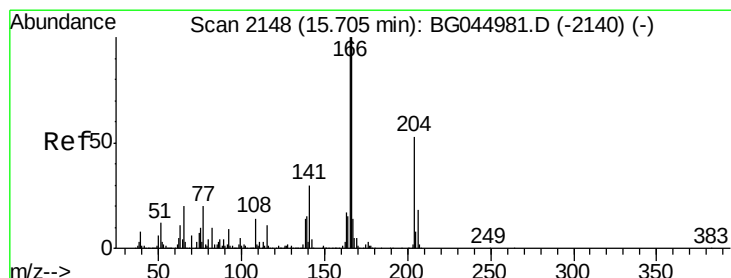
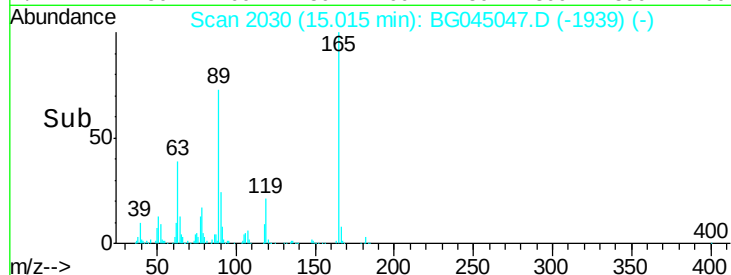
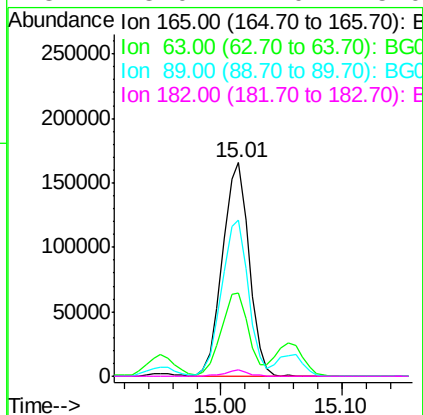
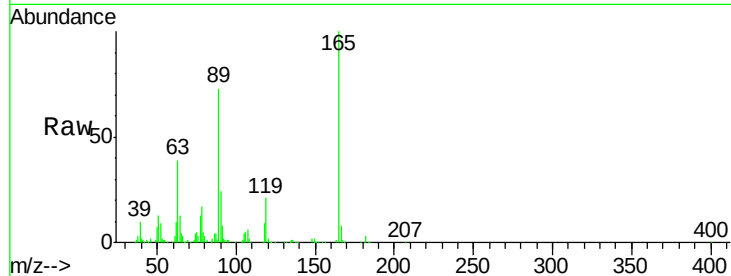




#57  
 2,4-Dinitrotoluene  
 Concen: 44.397 ng  
 RT: 15.01 min Scan# 2030  
 Delta R.T. 0.01 min  
 Lab File: BG045047.D  
 Acq: 18 Apr 2020 1:47

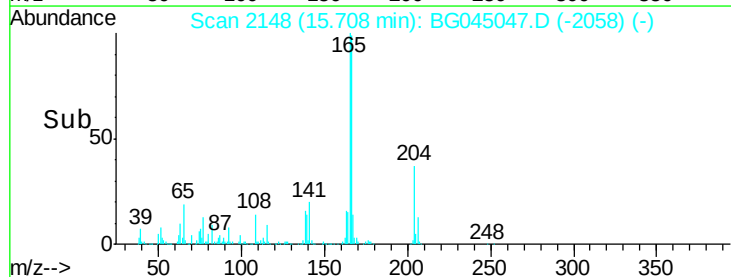
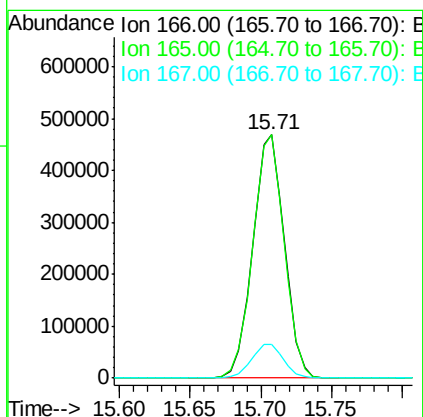
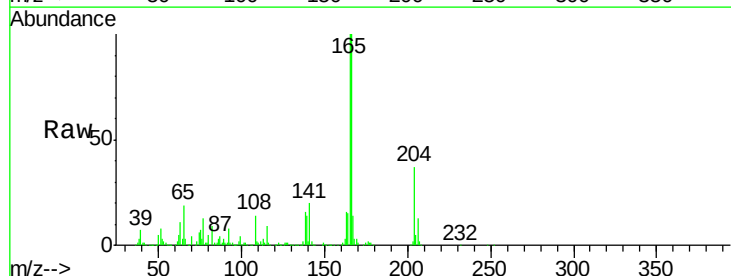
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB128298BSD

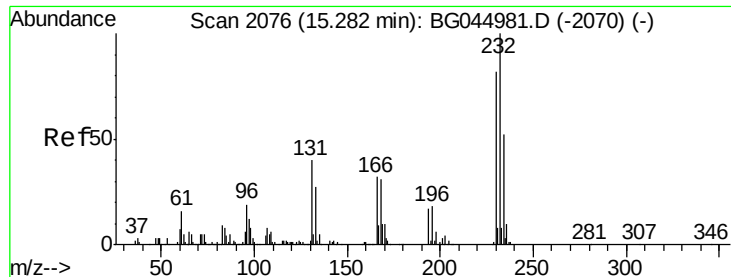
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 39.2  | 32.2  | 48.2  |
| 89      | 73.0  | 61.7  | 92.5  |
| 182     | 3.0   | 2.0   | 3.0   |



#58  
 Fluorene  
 Concen: 45.021 ng  
 RT: 15.71 min Scan# 2148  
 Delta R.T. -0.00 min  
 Lab File: BG045047.D  
 Acq: 18 Apr 2020 1:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 100.2 | 79.9  | 119.9 |
| 167     | 14.1  | 11.4  | 17.0  |

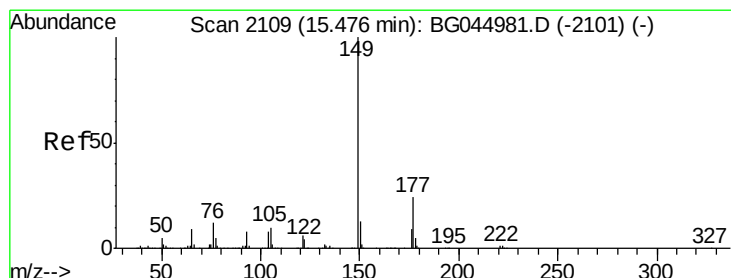
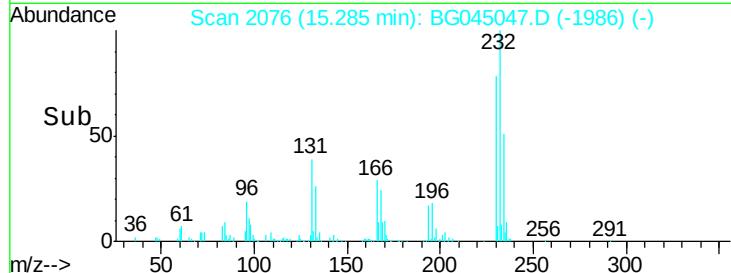
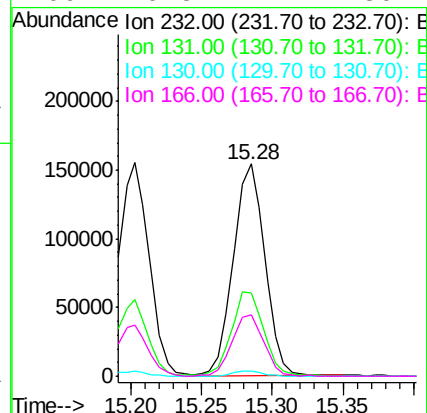
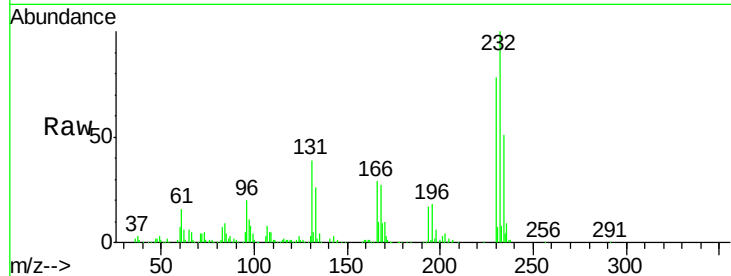




#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 48.681 ng  
 RT: 15.28 min Scan# 2076  
 Delta R.T. -0.00 min  
 Lab File: BG045047.D  
 Acq: 18 Apr 2020 1:47

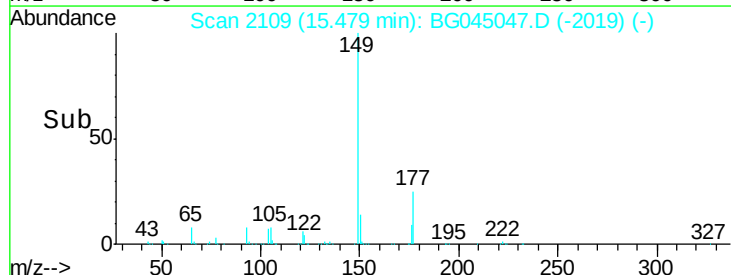
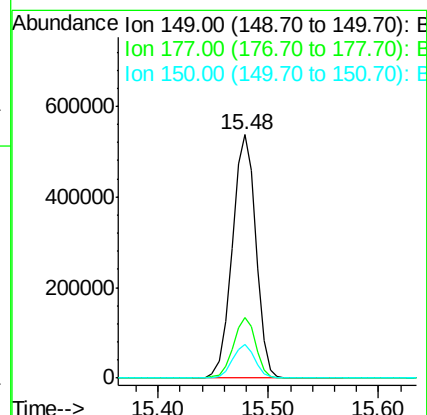
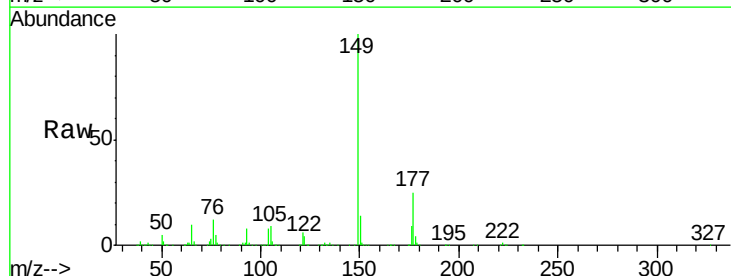
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB128298BSD

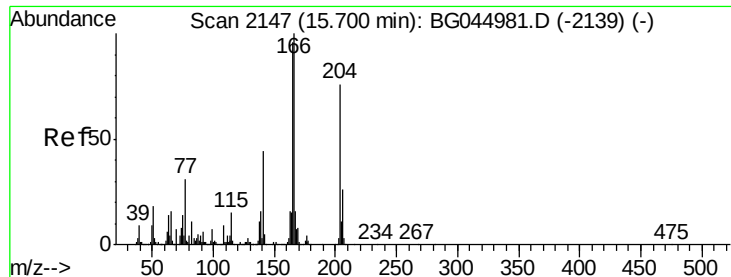
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 232   | Resp: | 240116 |
| Ion      | Ratio | Lower | Upper  |
| 232      | 100   |       |        |
| 131      | 41.2  | 32.2  | 48.2   |
| 130      | 2.7   | 2.2   | 3.2    |
| 166      | 29.3  | 24.2  | 36.4   |



#60  
 Diethylphthalate  
 Concen: 44.080 ng  
 RT: 15.48 min Scan# 2109  
 Delta R.T. -0.00 min  
 Lab File: BG045047.D  
 Acq: 18 Apr 2020 1:47

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 149   | Resp: | 801995 |
| Ion      | Ratio | Lower | Upper  |
| 149      | 100   |       |        |
| 177      | 24.8  | 18.9  | 28.3   |
| 150      | 13.7  | 10.6  | 15.8   |

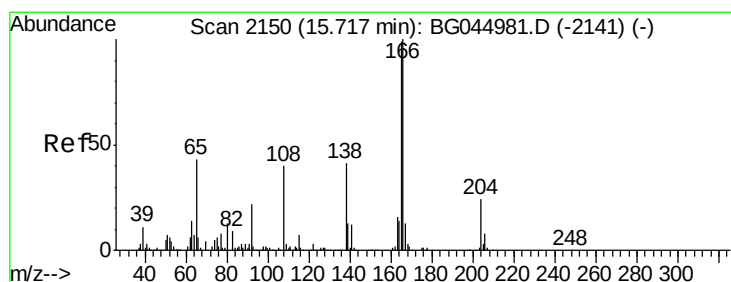
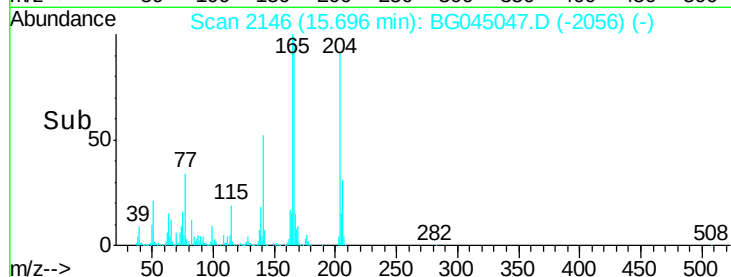
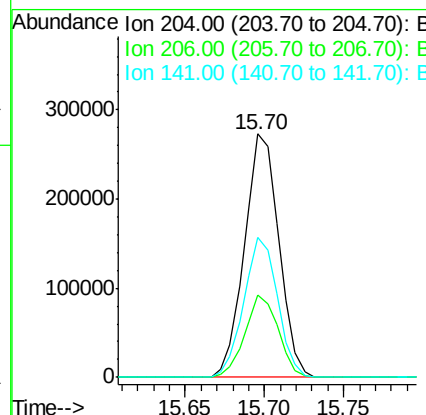
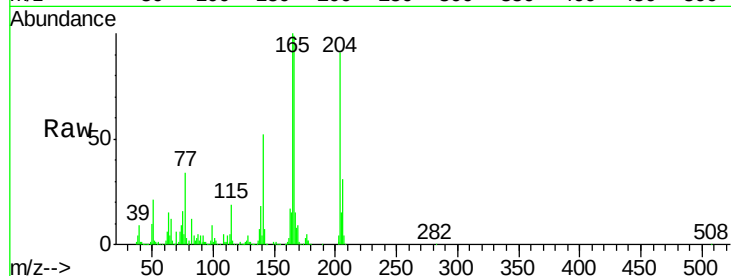




#61  
4-Chlorophenyl-phenylether  
Concen: 43.591 ng  
RT: 15.70 min Scan# 2146  
Delta R.T. -0.00 min  
Lab File: BG045047.D  
Acq: 18 Apr 2020 1:47

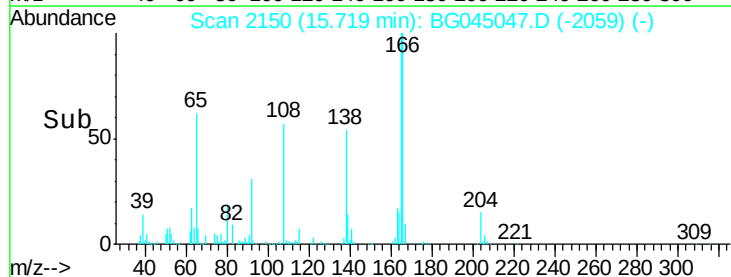
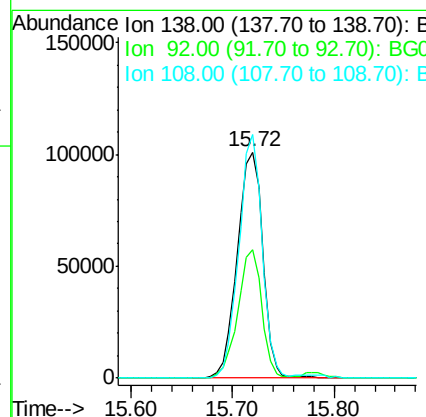
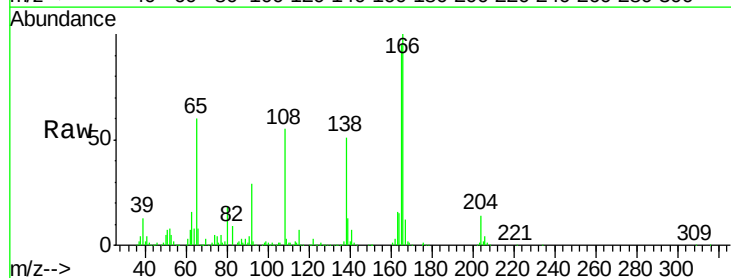
Instrument :  
BNA\_G  
ClientSampleId :  
PB128298BSD

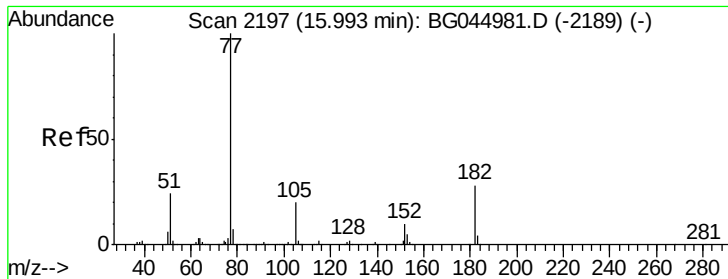
Tot Ion:204 Resp: 409867  
Ion Ratio Lower Upper  
204 100  
206 33.6 26.9 40.3  
141 57.4 46.3 69.5



#62  
4-Nitroaniline  
Concen: 40.079 ng  
RT: 15.72 min Scan# 2150  
Delta R.T. 0.01 min  
Lab File: BG045047.D  
Acq: 18 Apr 2020 1:47

Tgt Ion:138 Resp: 177959  
Ion Ratio Lower Upper  
138 100  
92 56.7 33.6 73.6  
108 107.7 78.2 118.2





#63

Azobenzene

Concen: 45.092 ng

RT: 15.99 min Scan# 2196

Delta R.T. -0.00 min

Lab File: BG045047.D

Acq: 18 Apr 2020 1:47

Instrument :

BNA\_G

ClientSampleId :

PB128298BSD

Tot Ion: 77 Resp: 756385

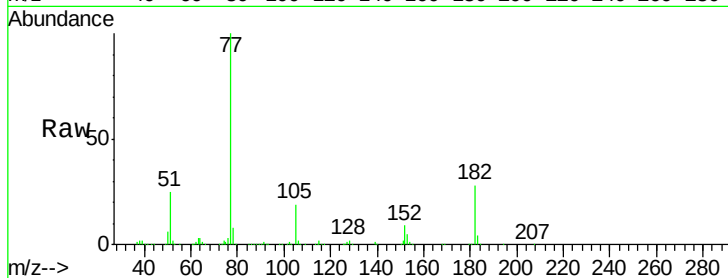
Ion Ratio Lower Upper

77 100

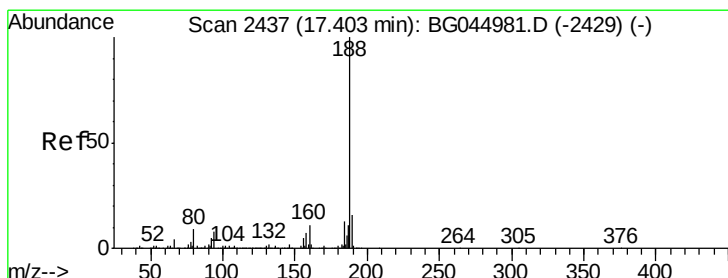
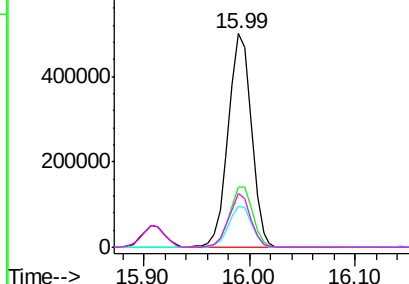
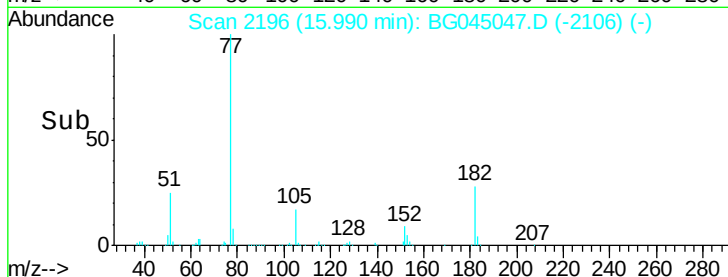
182 28.1 8.4 48.4

105 19.1 0.5 40.5

51 25.2 4.4 44.4



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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.41 min Scan# 2437

Delta R.T. 0.01 min

Lab File: BG045047.D

Acq: 18 Apr 2020 1:47

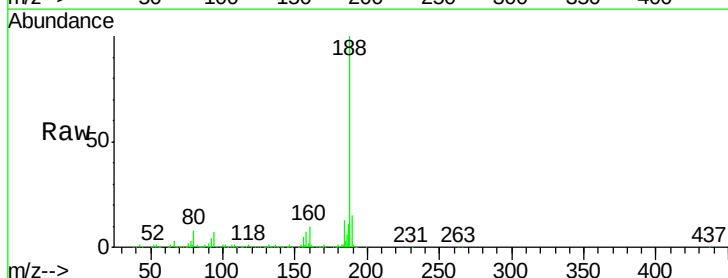
Tgt Ion: 188 Resp: 533949

Ion Ratio Lower Upper

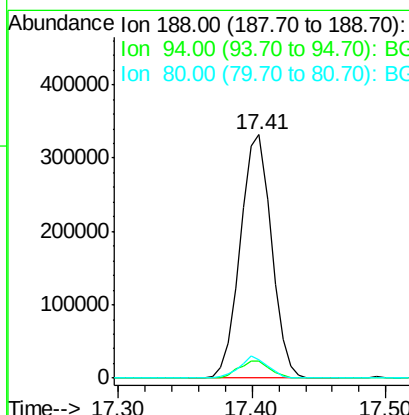
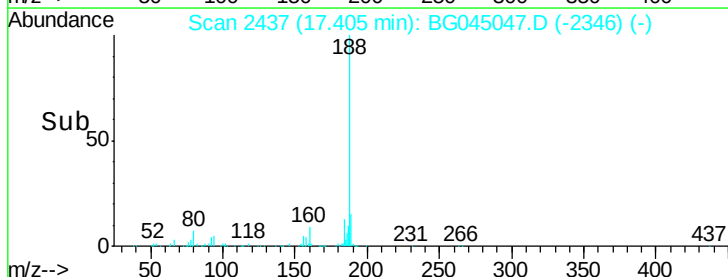
188 100

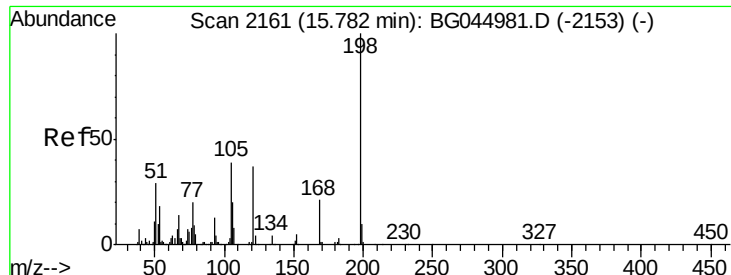
94 6.9 6.2 9.4

80 7.7 7.0 10.6



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

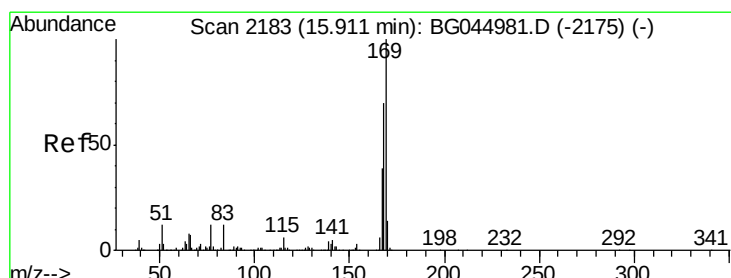
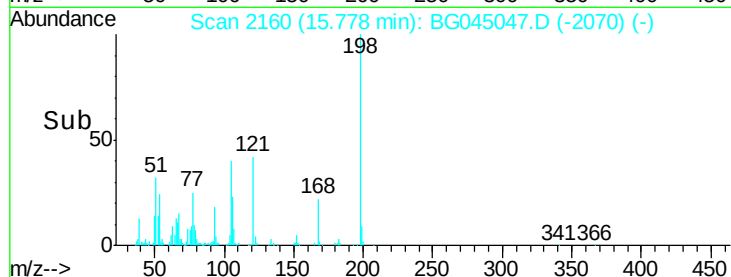
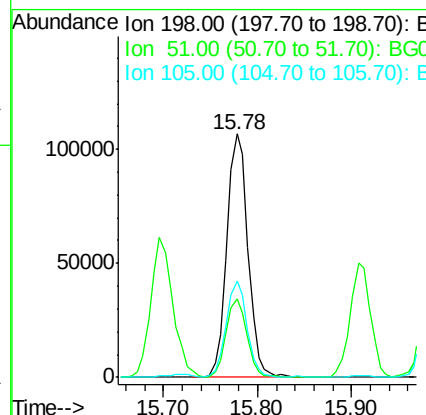
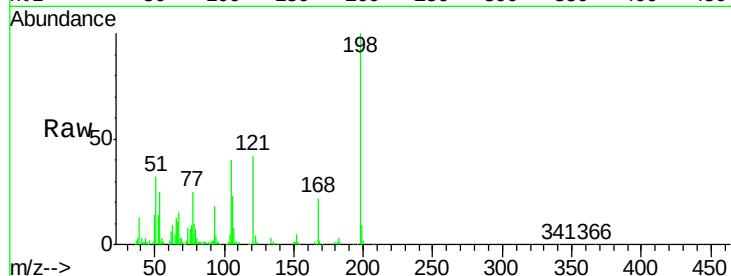




#65  
4,6-Dinitro-2-methylphenol  
Concen: 47.779 ng  
RT: 15.78 min Scan# 2160  
Delta R.T. -0.00 min  
Lab File: BG045047.D  
Acq: 18 Apr 2020 1:47

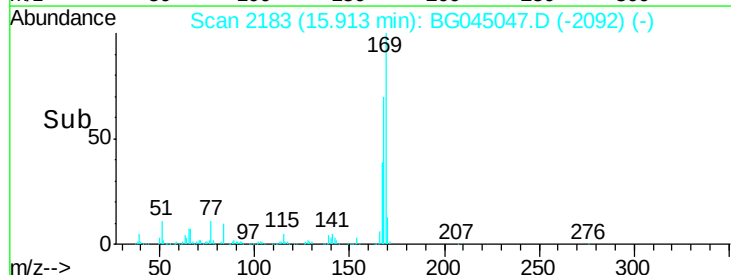
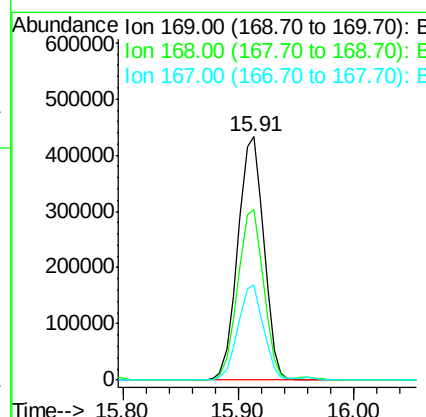
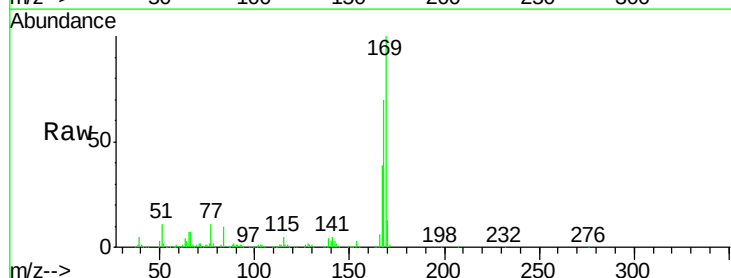
Instrument :  
BNA\_G  
ClientSampleId :  
PB128298BSD

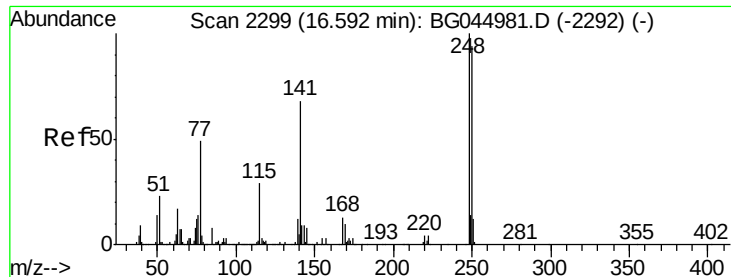
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 198     | 100   |       |       |
| 51      | 32.2  | 10.0  | 50.0  |
| 105     | 39.8  | 18.9  | 58.9  |



#66  
n-Nitrosodiphenylamine  
Concen: 44.040 ng  
RT: 15.91 min Scan# 2183  
Delta R.T. 0.01 min  
Lab File: BG045047.D  
Acq: 18 Apr 2020 1:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 169     | 100   |       |       |
| 168     | 69.9  | 55.8  | 83.8  |
| 167     | 38.8  | 30.8  | 46.2  |

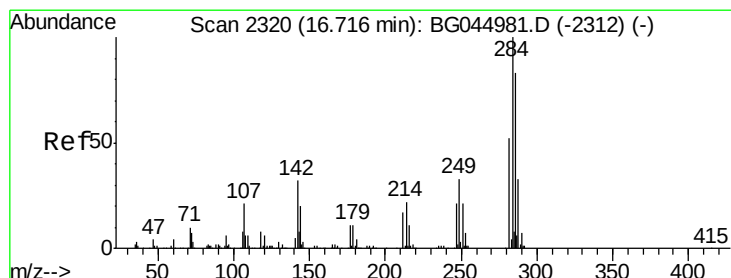
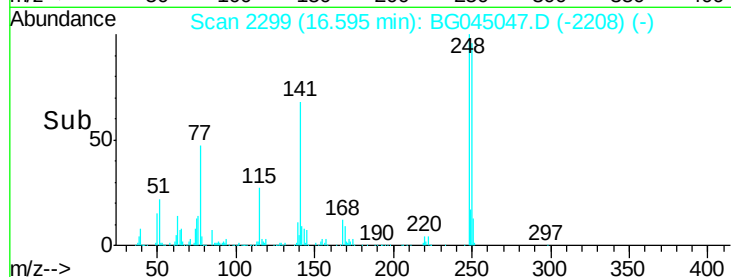
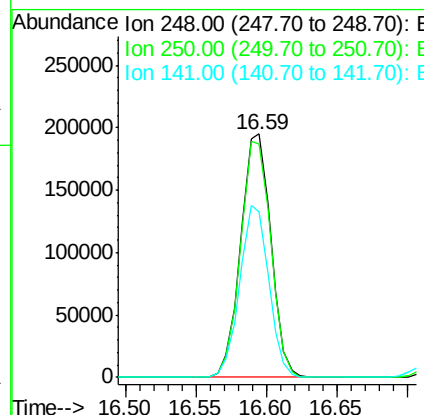
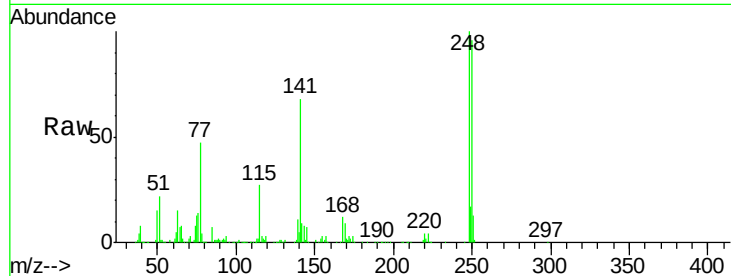




#67  
 4-Bromophenyl-phenylether  
 Concen: 42.143 ng  
 RT: 16.59 min Scan# 2299  
 Delta R.T. 0.01 min  
 Lab File: BG045047.D  
 Acq: 18 Apr 2020 1:47

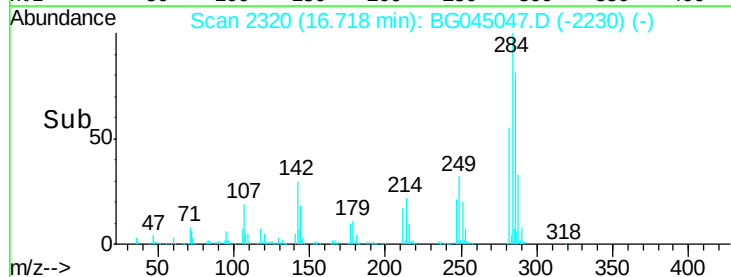
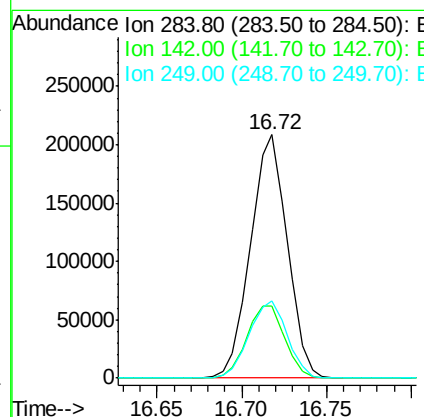
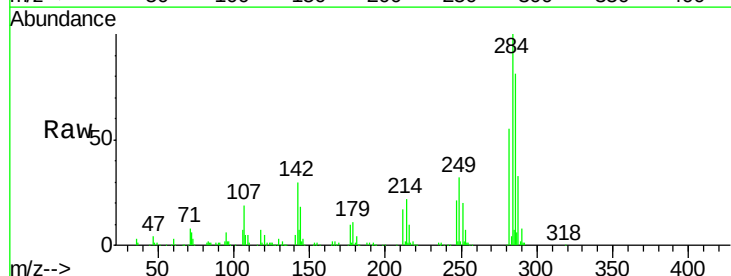
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB128298BSD

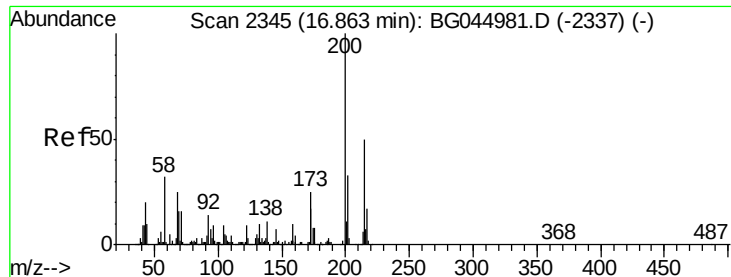
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 95.6  | 75.4  | 113.2 |
| 141     | 67.9  | 54.4  | 81.6  |



#68  
 Hexachlorobenzene  
 Concen: 44.169 ng  
 RT: 16.72 min Scan# 2320  
 Delta R.T. -0.00 min  
 Lab File: BG045047.D  
 Acq: 18 Apr 2020 1:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 29.8  | 25.8  | 38.6  |
| 249     | 31.7  | 26.6  | 39.8  |





#69

Atrazine

Concen: 50.626 ng

RT: 16.86 min Scan# 2344

Delta R.T. -0.00 min

Lab File: BG045047.D

Acq: 18 Apr 2020 1:47

Instrument :

BNA\_G

ClientSampleId :

PB128298BSD

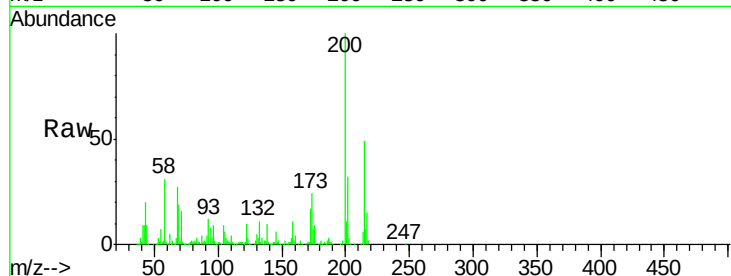
Tot Ion:200 Resp: 279936

Ion Ratio Lower Upper

200 100

173 24.2 4.5 44.5

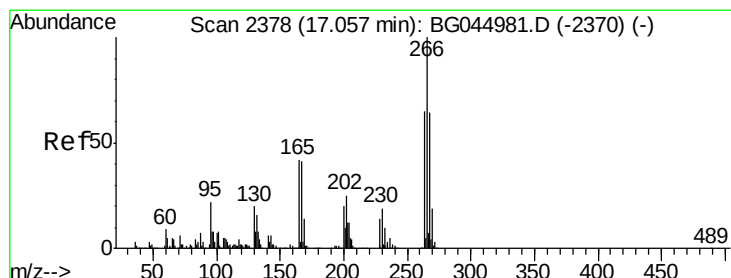
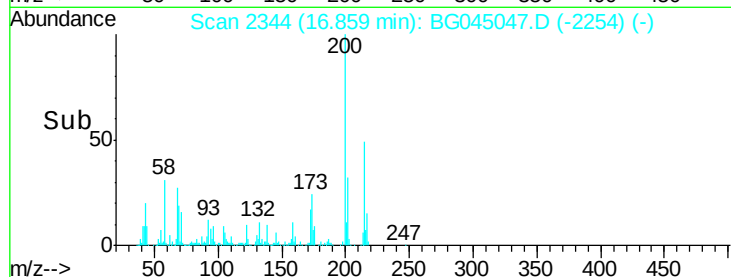
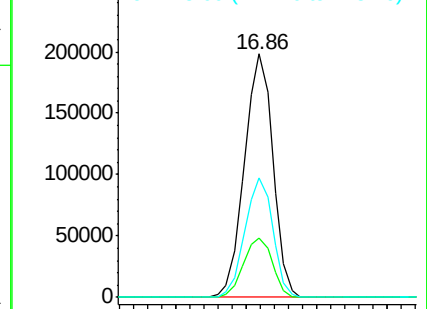
215 49.2 30.0 70.0



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70

Pentachlorophenol

Concen: 90.546 ng

RT: 17.06 min Scan# 2378

Delta R.T. 0.01 min

Lab File: BG045047.D

Acq: 18 Apr 2020 1:47

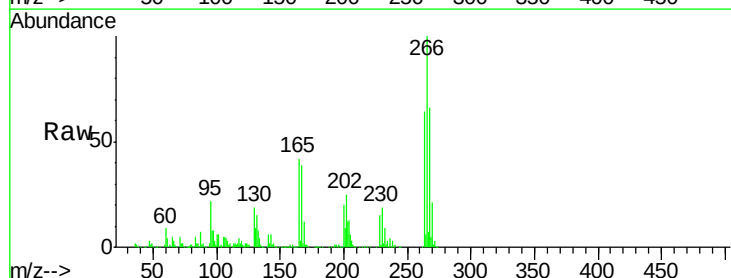
Tgt Ion:266 Resp: 396828

Ion Ratio Lower Upper

266 100

268 66.3 51.5 77.3

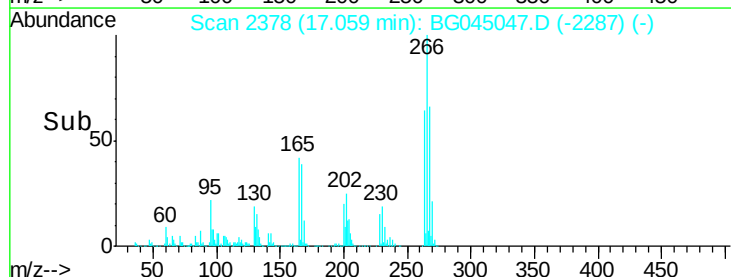
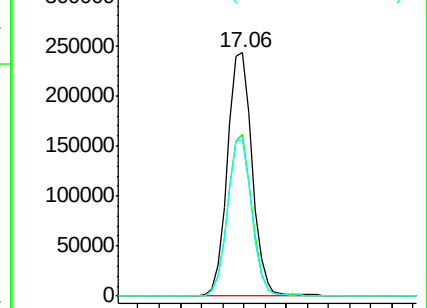
264 64.4 52.2 78.4

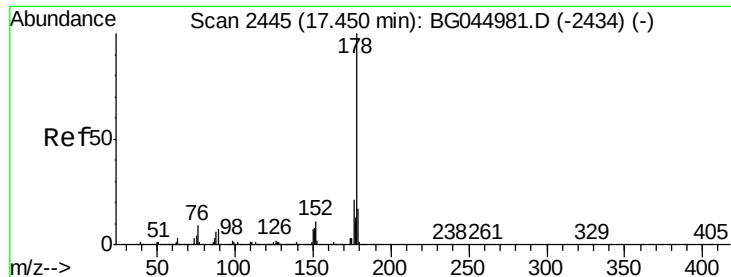


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

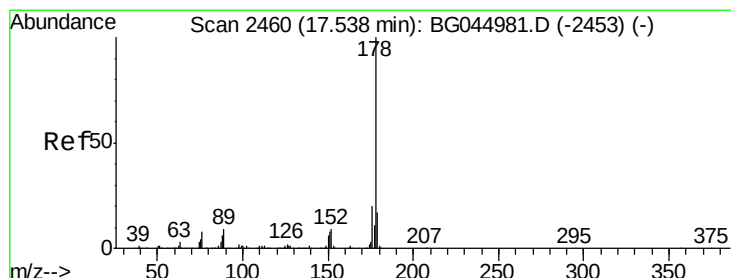
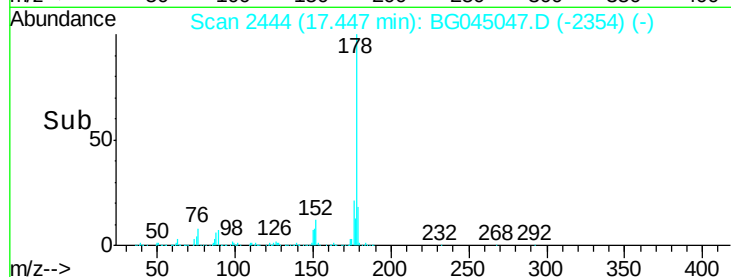
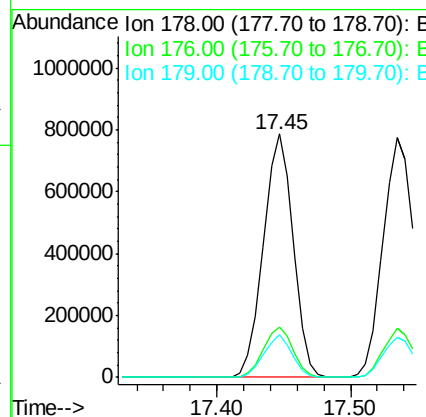
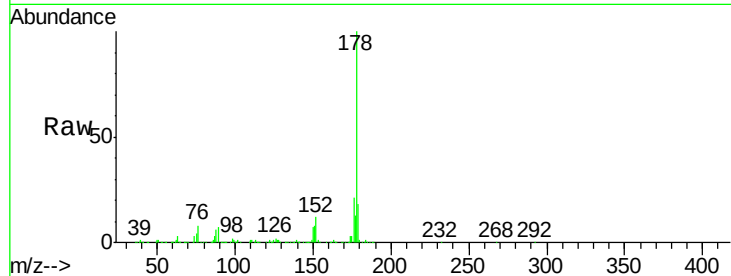




#71  
Phenanthrene  
Concen: 44.041 ng  
RT: 17.45 min Scan# 2444  
Delta R.T. -0.00 min  
Lab File: BG045047.D  
Acq: 18 Apr 2020 1:47

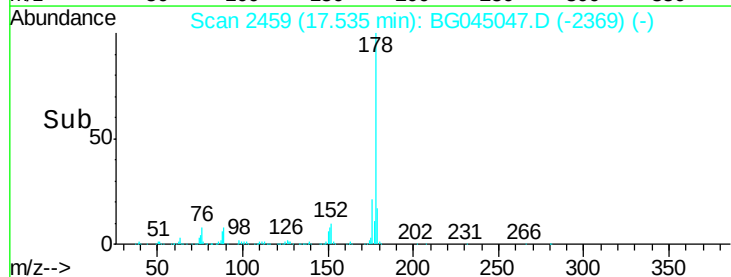
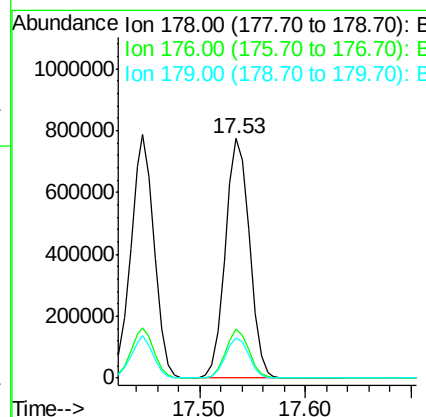
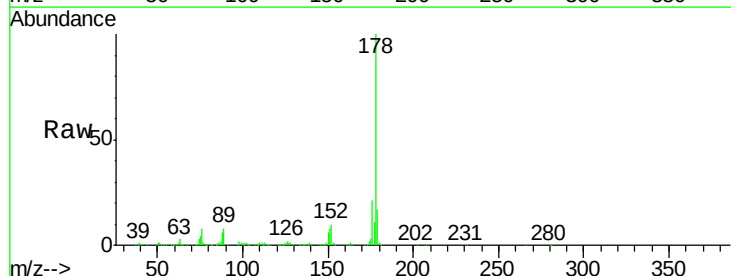
Instrument :  
BNA\_G  
ClientSampleId :  
PB128298BSD

Tot Ion:178 Resp: 1208410  
Ion Ratio Lower Upper  
178 100  
176 20.8 16.8 25.2  
179 17.5 13.2 19.8

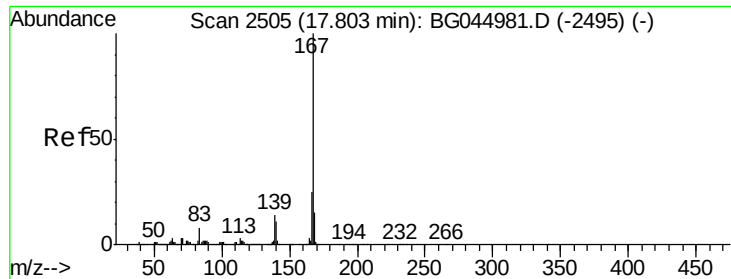


#72  
Anthracene  
Concen: 44.576 ng  
RT: 17.53 min Scan# 2459  
Delta R.T. -0.00 min  
Lab File: BG045047.D  
Acq: 18 Apr 2020 1:47

Tgt Ion:178 Resp: 1226875  
Ion Ratio Lower Upper  
178 100  
176 20.5 16.0 24.0  
179 16.9 13.6 20.4





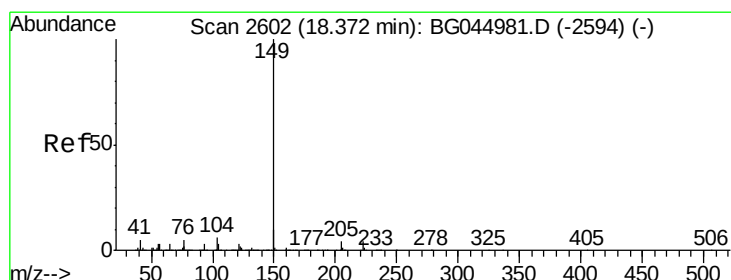
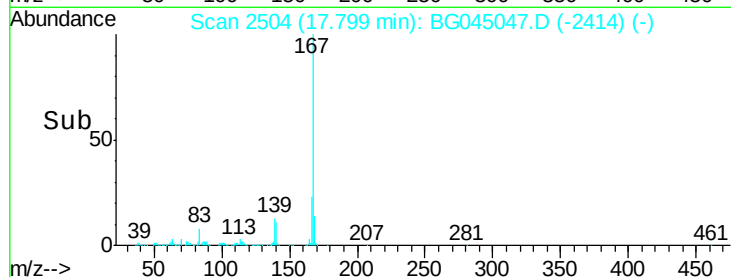
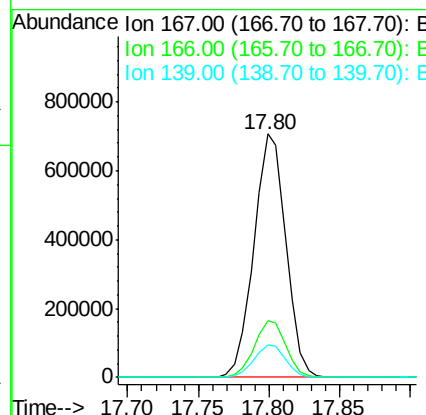
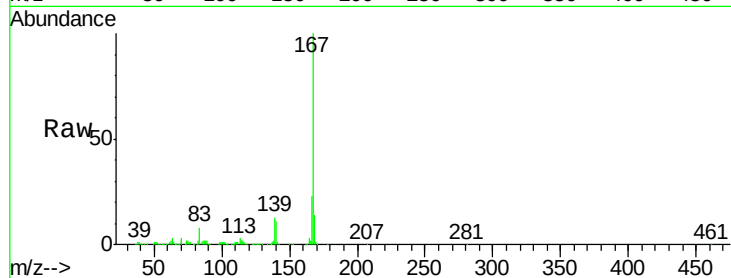


#73  
 Carbazole  
 Concen: 40.310 ng  
 RT: 17.80 min Scan# 2504  
 Delta R.T. -0.00 min  
 Lab File: BG045047.D  
 Acq: 18 Apr 2020 1:47

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB128298BSD

Tot Ion:167 Resp: 1125886  

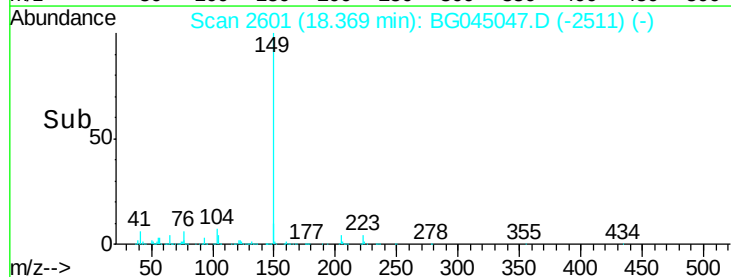
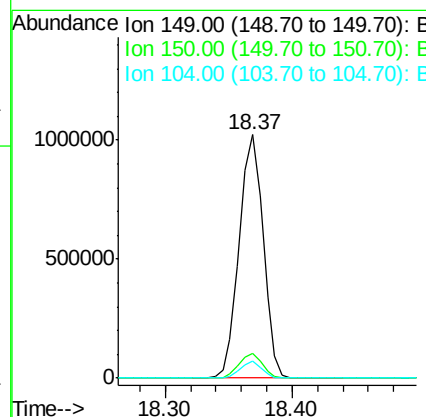
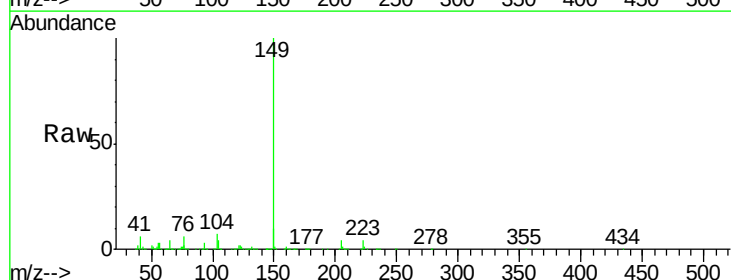
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 167 | 100   |       |       |
| 166 | 23.4  | 19.8  | 29.6  |
| 139 | 13.4  | 10.9  | 16.3  |

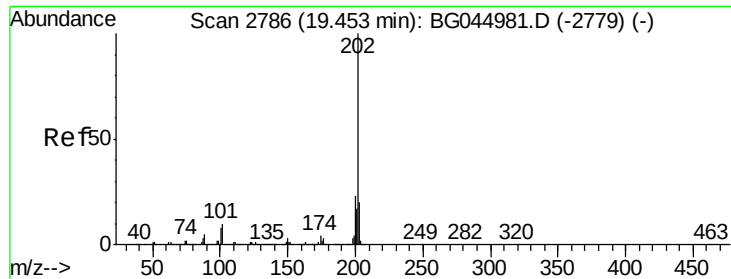


#74  
 Di-n-butylphthalate  
 Concen: 43.704 ng  
 RT: 18.37 min Scan# 2601  
 Delta R.T. -0.00 min  
 Lab File: BG045047.D  
 Acq: 18 Apr 2020 1:47

Tgt Ion:149 Resp: 1334091  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 150 | 10.2  | 8.2   | 12.2  |
| 104 | 6.8   | 4.8   | 7.2   |





#75

Fluoranthene

Concen: 45.351 ng

RT: 19.45 min Scan# 2785

Delta R.T. -0.00 min

Lab File: BG045047.D

Acq: 18 Apr 2020 1:47

Instrument :

BNA\_G

ClientSampleId :

PB128298BSD

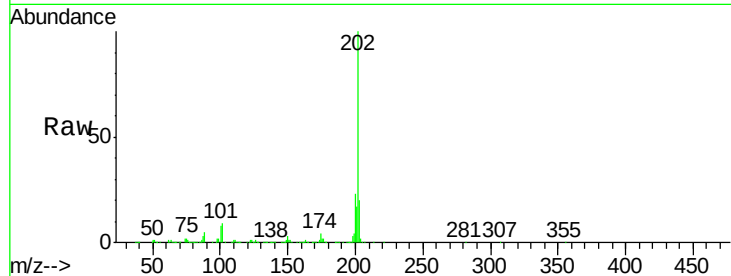
Tot Ion:202 Resp: 1461032

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 101 | 9.0   | 0.0   | 29.6  |
| 203 | 19.7  | 0.0   | 39.7  |

202 100

101 9.0 0.0 29.6

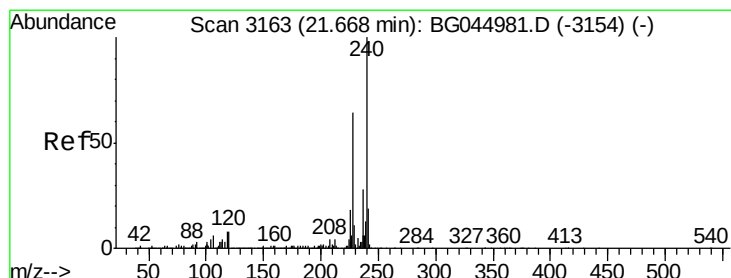
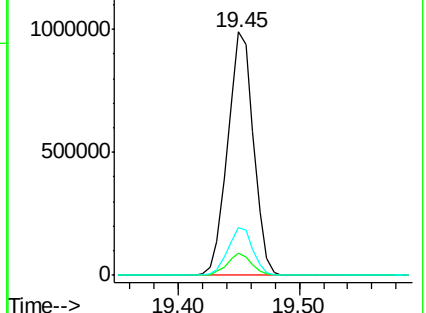
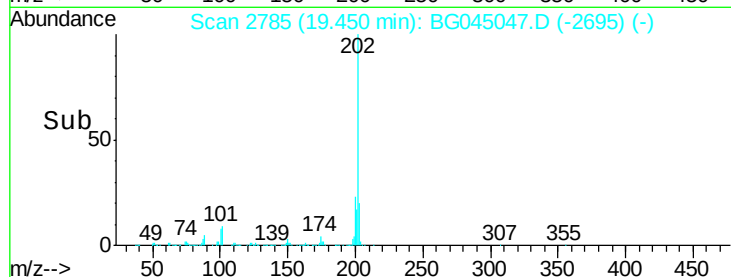
203 19.7 0.0 39.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.67 min Scan# 3163

Delta R.T. 0.01 min

Lab File: BG045047.D

Acq: 18 Apr 2020 1:47

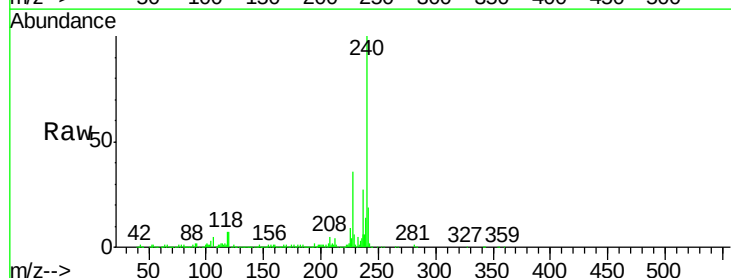
Tgt Ion:240 Resp: 479006

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 240 | 100   |       |       |
| 120 | 6.8   | 6.6   | 10.0  |
| 236 | 26.7  | 22.2  | 33.2  |

240 100

120 6.8 6.6 10.0

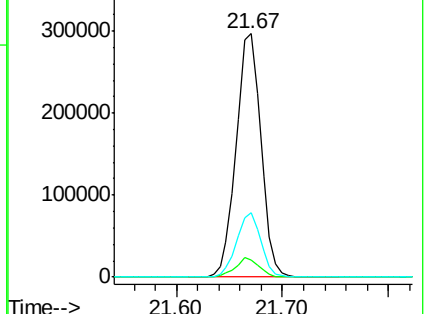
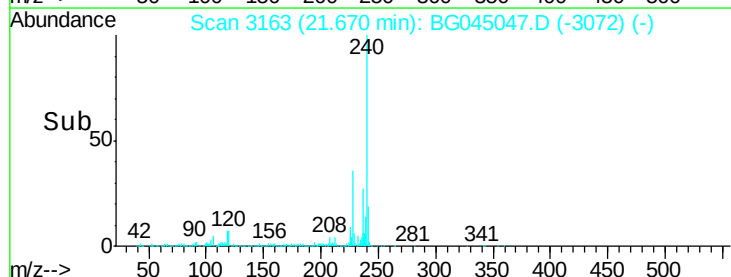
236 26.7 22.2 33.2

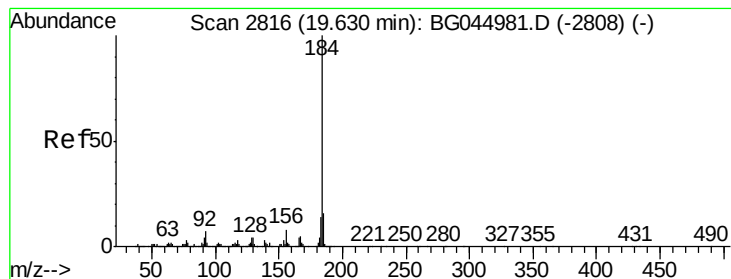


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 49.142 ng

RT: 19.63 min Scan# 2815

Delta R.T. -0.00 min

Lab File: BG045047.D

Acq: 18 Apr 2020 1:47

Instrument :

BNA\_G

ClientSampleId :

PB128298BSD

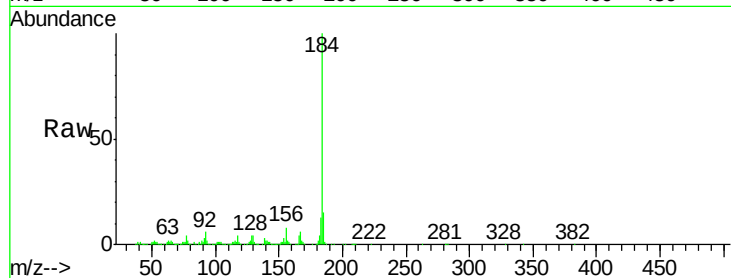
Tot Ion:184 Resp: 674184

Ion Ratio Lower Upper

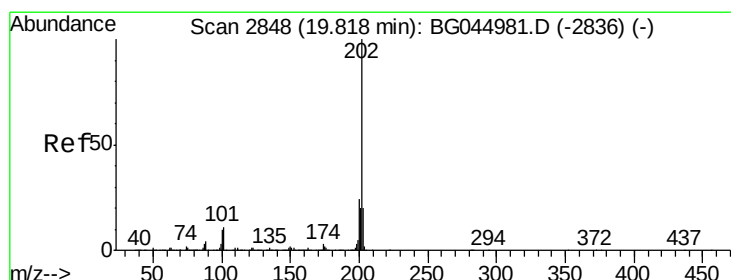
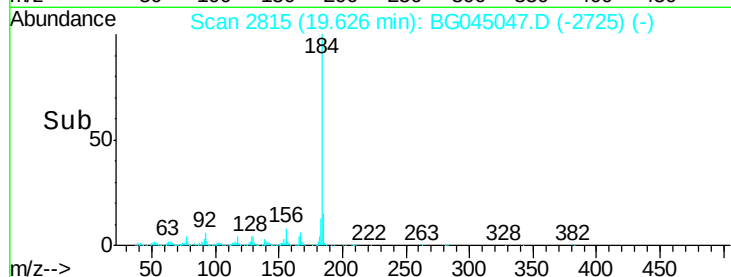
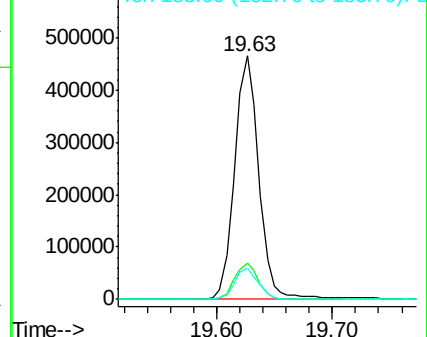
184 100

185 14.8 12.6 19.0

183 12.6 11.3 16.9



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



#78

Pyrene

Concen: 43.382 ng

RT: 19.81 min Scan# 2847

Delta R.T. 0.01 min

Lab File: BG045047.D

Acq: 18 Apr 2020 1:47

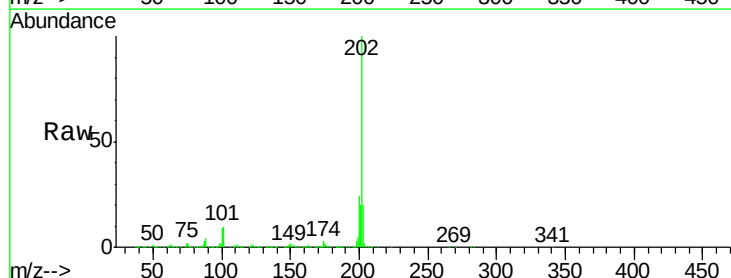
Tgt Ion:202 Resp: 1432586

Ion Ratio Lower Upper

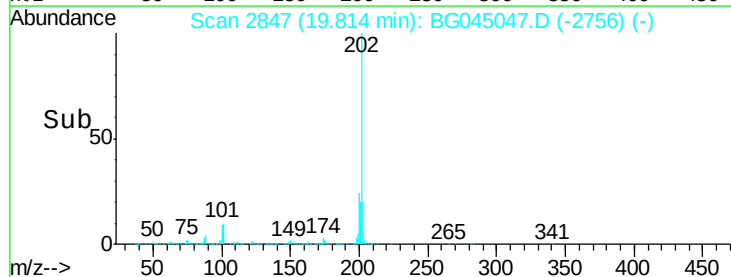
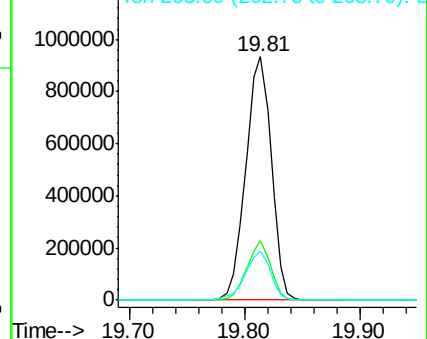
202 100

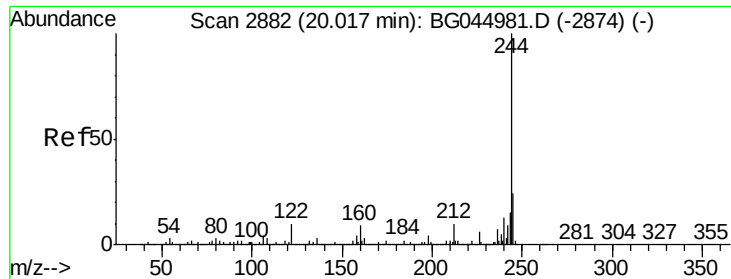
200 24.3 19.0 28.6

203 19.9 16.1 24.1



Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 200.00 (199.70 to 200.70): E  
Ion 203.00 (202.70 to 203.70): E



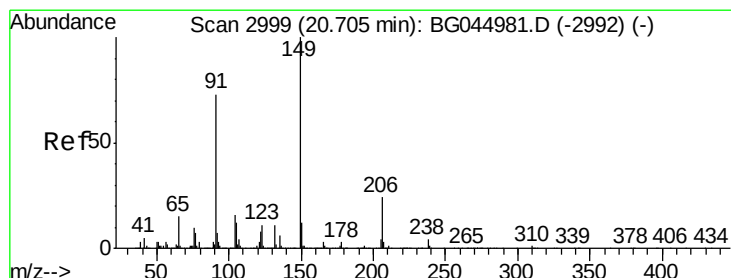
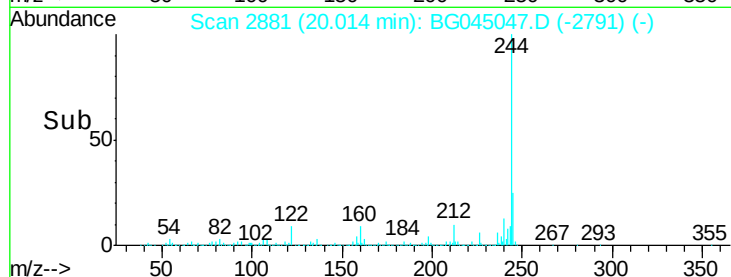
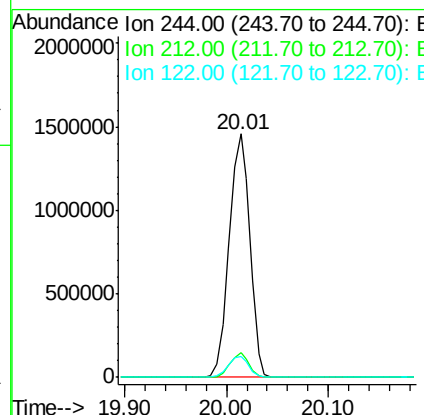
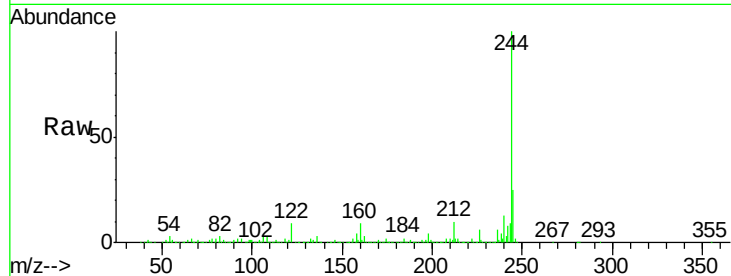


#79  
 Terphenyl-d14  
 Concen: 93.675 ng  
 RT: 20.01 min Scan# 2881  
 Delta R.T. -0.00 min  
 Lab File: BG045047.D  
 Acq: 18 Apr 2020 1:47

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB128298BSD

Tot Ion:244 Resp: 2058702

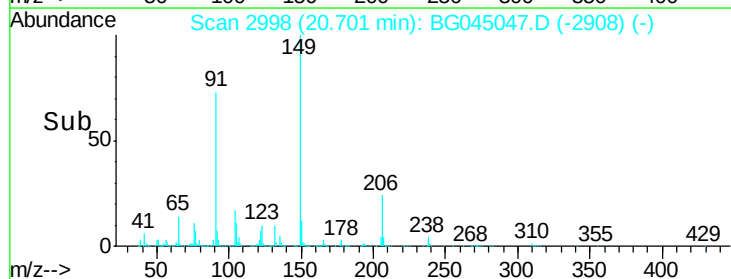
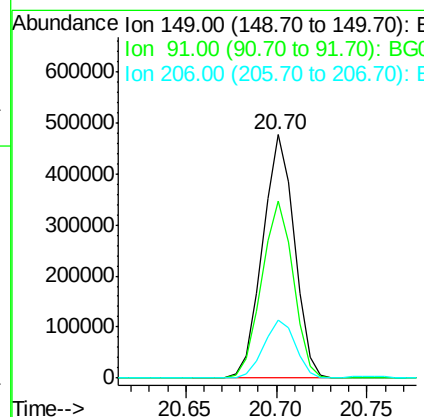
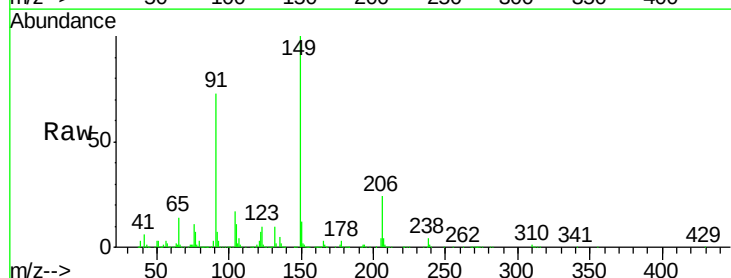
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 9.9   | 7.9   | 11.9  |
| 122 | 8.8   | 7.7   | 11.5  |

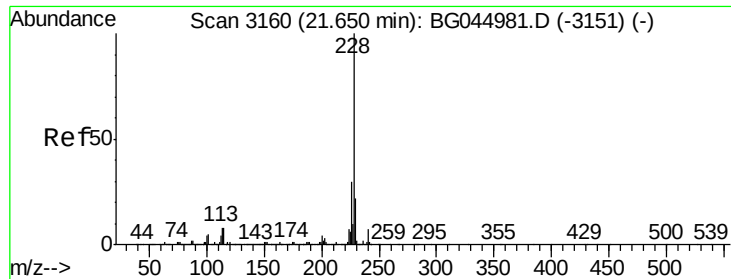


#80  
 Butylbenzylphthalate  
 Concen: 42.380 ng  
 RT: 20.70 min Scan# 2998  
 Delta R.T. -0.00 min  
 Lab File: BG045047.D  
 Acq: 18 Apr 2020 1:47

Tgt Ion:149 Resp: 580115

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 91  | 72.7  | 58.5  | 87.7  |
| 206 | 24.0  | 19.2  | 28.8  |





#81

Benzo(a)anthracene

Concen: 43.887 ng

RT: 21.65 min Scan# 3159

Delta R.T. -0.00 min

Lab File: BG045047.D

Acq: 18 Apr 2020 1:47

Instrument :

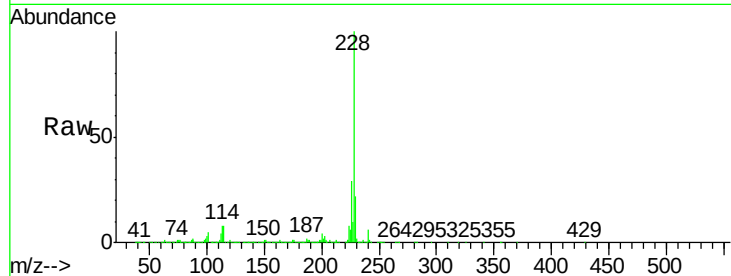
BNA\_G

ClientSampleId :

PB128298BSD

Tot Ion:228 Resp: 1362530

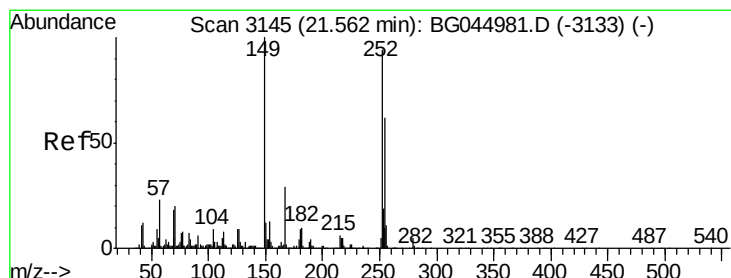
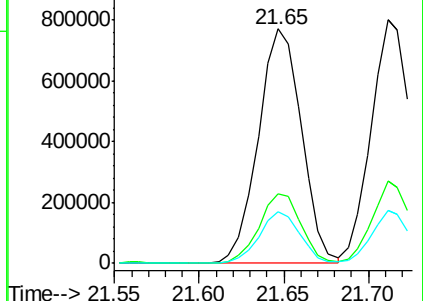
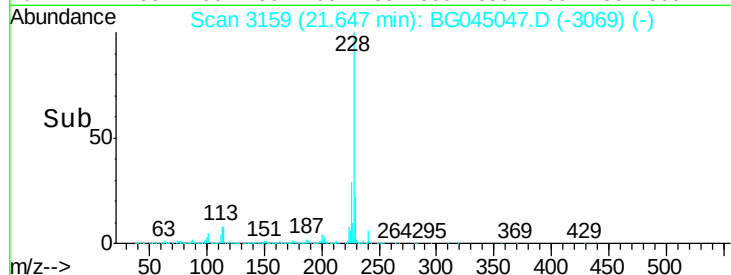
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 29.4  | 24.0  | 36.0  |
| 229 | 22.2  | 17.5  | 26.3  |



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 27.946 ng

RT: 21.56 min Scan# 3144

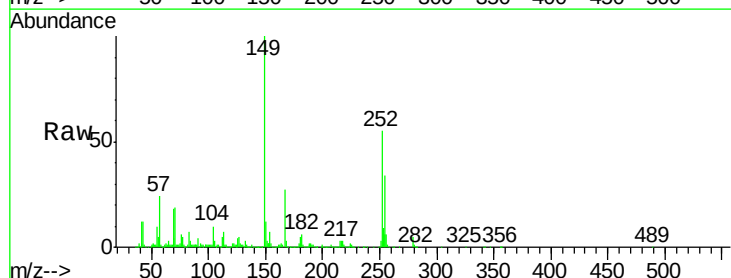
Delta R.T. -0.00 min

Lab File: BG045047.D

Acq: 18 Apr 2020 1:47

Tgt Ion:252 Resp: 345330

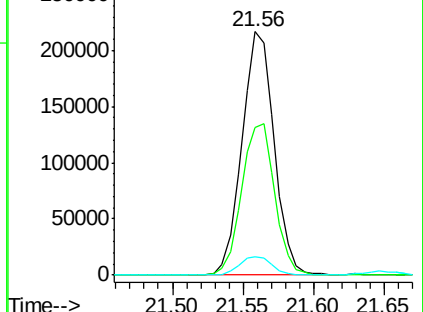
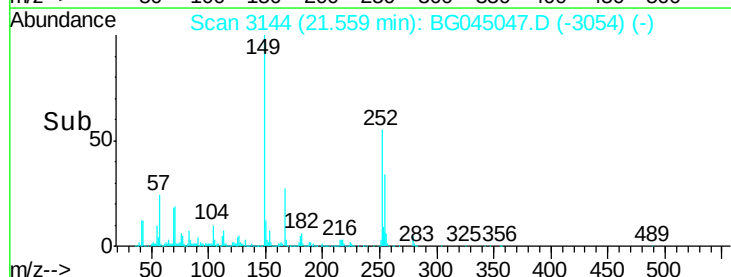
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 254 | 60.6  | 52.6  | 79.0  |
| 126 | 7.3   | 7.5   | 11.3# |

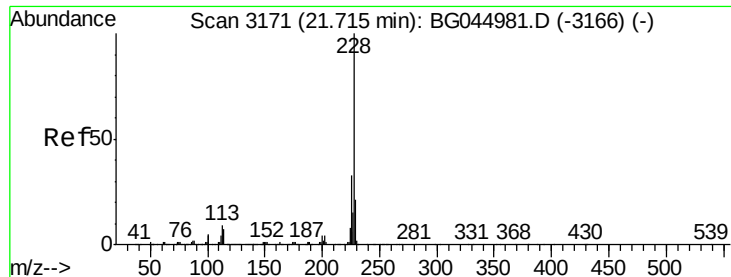


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 43.932 ng

RT: 21.71 min Scan# 3170

Delta R.T. -0.00 min

Lab File: BG045047.D

Acq: 18 Apr 2020 1:47

Instrument :

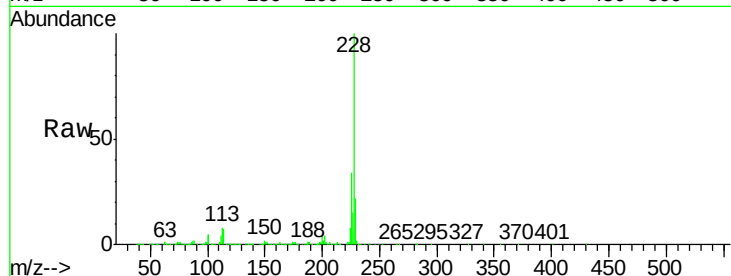
BNA\_G

ClientSampleId :

PB128298BSD

Tot Ion:228 Resp: 1310476

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 33.6  | 26.2  | 39.4  |
| 229 | 22.0  | 17.0  | 25.6  |

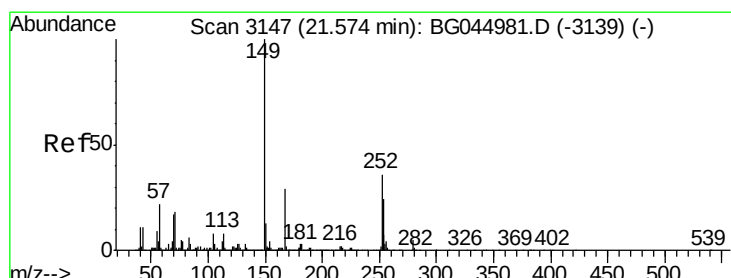
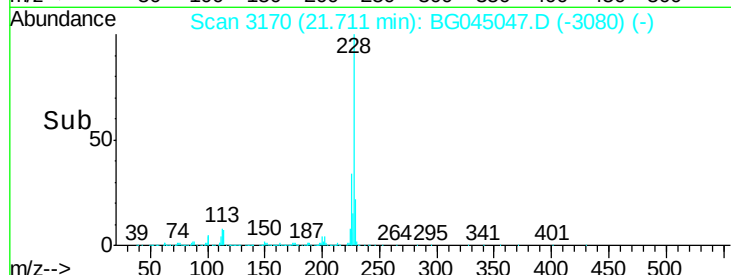
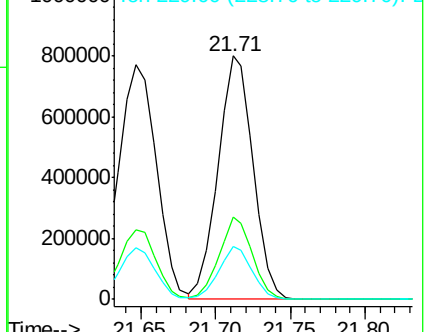


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 43.246 ng

RT: 21.56 min Scan# 3145

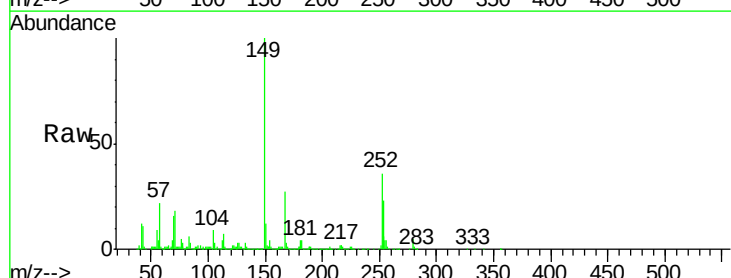
Delta R.T. -0.00 min

Lab File: BG045047.D

Acq: 18 Apr 2020 1:47

Tgt Ion:149 Resp: 814165

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 26.8  | 23.4  | 35.0  |
| 279 | 4.9   | 4.3   | 6.5   |

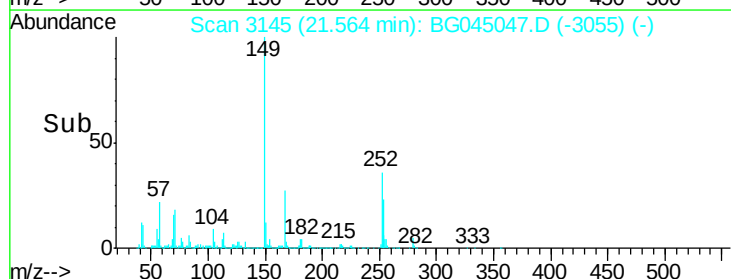
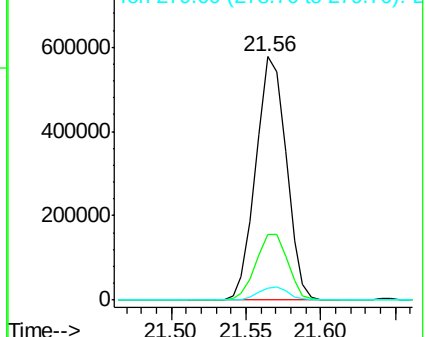


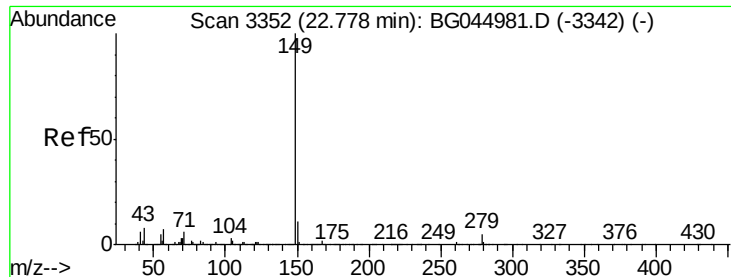
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 42.887 ng

RT: 22.77 min Scan# 3351

Delta R.T. -0.00 min

Lab File: BG045047.D

Acq: 18 Apr 2020 1:47

Instrument :

BNA\_G

ClientSampleId :

PB128298BSD

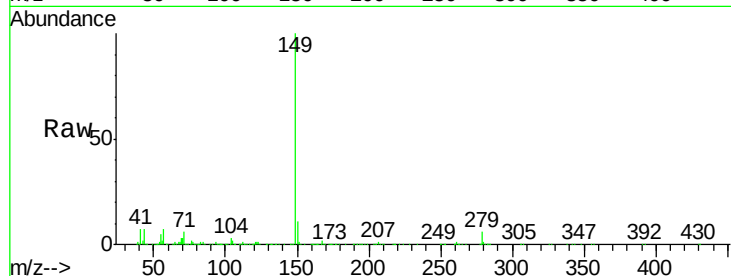
Tot Ion:149 Resp: 1396191

Ion Ratio Lower Upper

149 100

167 1.7 1.4 2.2

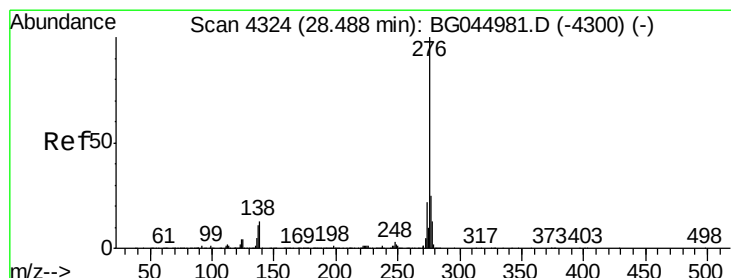
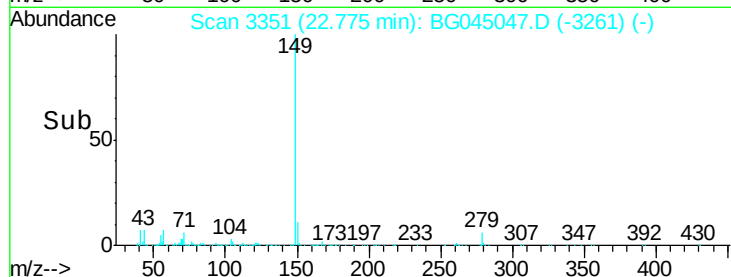
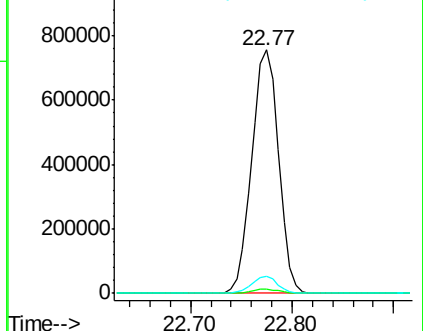
43 7.1 5.7 8.5



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGC



#86

Indeno(1,2,3-cd)pyrene

Concen: 44.523 ng

RT: 28.48 min Scan# 4323

Delta R.T. 0.01 min

Lab File: BG045047.D

Acq: 18 Apr 2020 1:47

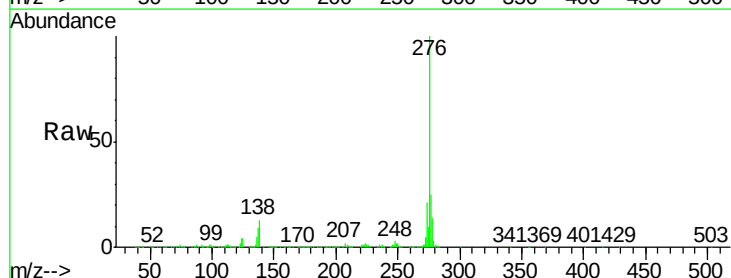
Tgt Ion:276 Resp: 1763331

Ion Ratio Lower Upper

276 100

138 10.9 9.6 14.4

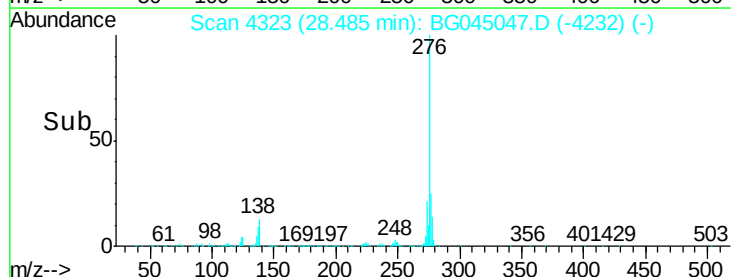
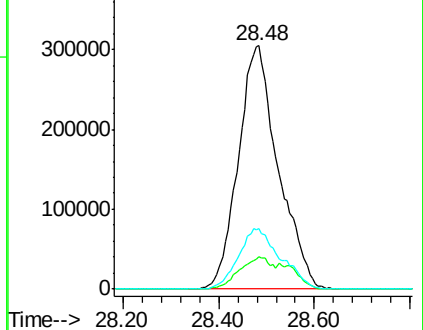
277 26.3 20.6 31.0

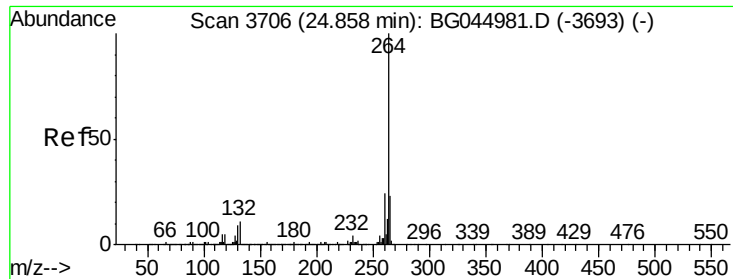


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



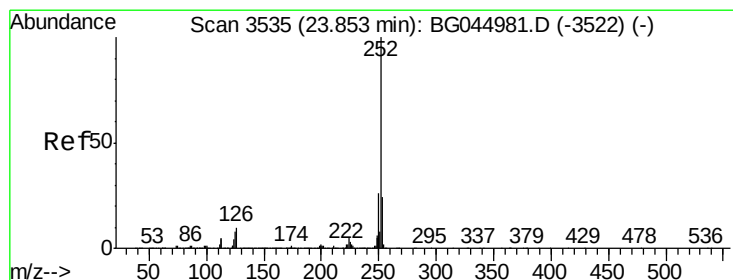
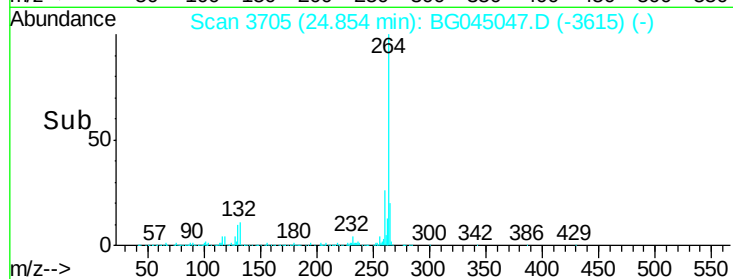
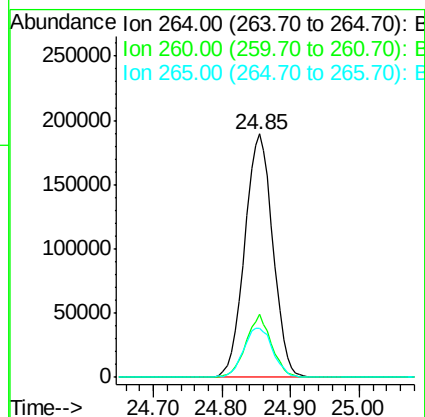
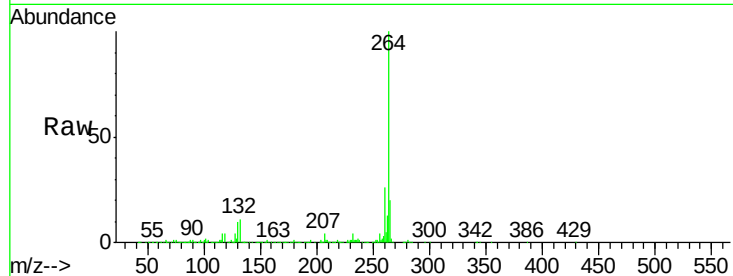


#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 24.85 min Scan# 3705  
Delta R.T. -0.00 min  
Lab File: BG045047.D  
Acq: 18 Apr 2020 1:47

Instrument :  
BNA\_G  
ClientSampleId :  
PB128298BSD

Tot Ion:264 Resp: 537843  

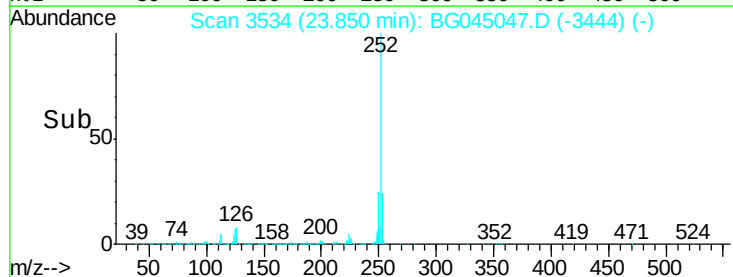
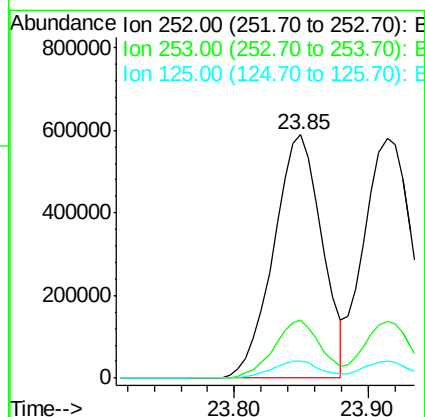
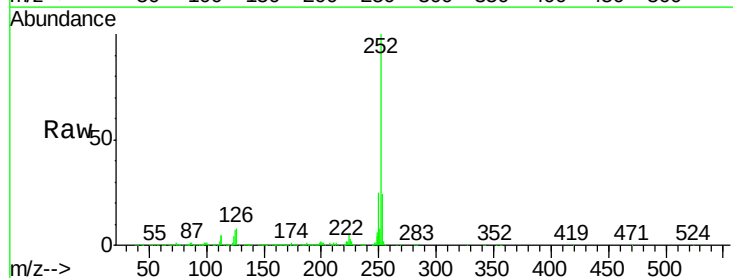
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 25.7  | 19.2  | 28.8  |
| 265 | 20.3  | 19.0  | 28.4  |



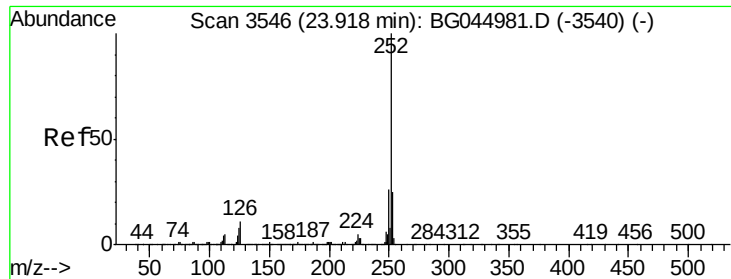
#88  
Benzo(b)fluoranthene  
Concen: 43.973 ng  
RT: 23.85 min Scan# 3534  
Delta R.T. -0.00 min  
Lab File: BG045047.D  
Acq: 18 Apr 2020 1:47

Tgt Ion:252 Resp: 1481445  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 23.7  | 18.8  | 28.2  |
| 125 | 7.0   | 6.2   | 9.4   |







#89

Benzo(k)fluoranthene

Concen: 45.000 ng

RT: 23.91 min Scan# 3545

Delta R.T. -0.00 min

Lab File: BG045047.D

Acq: 18 Apr 2020 1:47

Instrument :

BNA\_G

ClientSampleId :

PB128298BSD

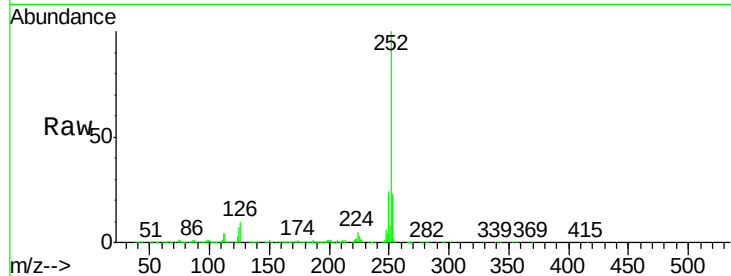
Tot Ion:252 Resp: 1441784

Ion Ratio Lower Upper

252 100

253 23.5 19.2 28.8

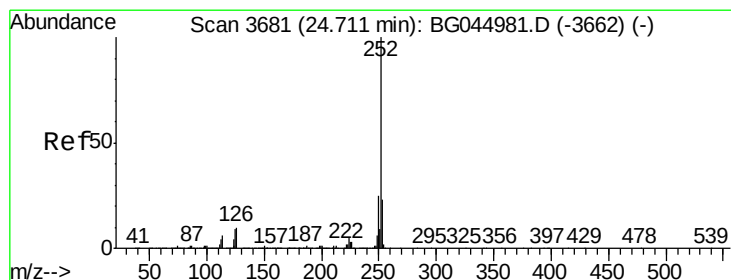
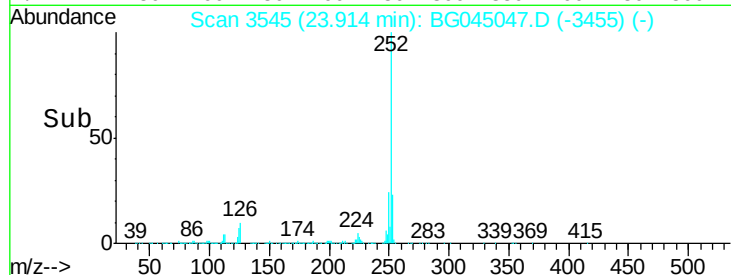
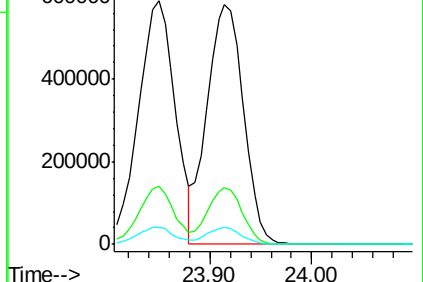
125 6.9 5.9 8.9



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

Benzo(a)pyrene

Concen: 43.209 ng

RT: 24.71 min Scan# 3680

Delta R.T. 0.01 min

Lab File: BG045047.D

Acq: 18 Apr 2020 1:47

Tgt Ion:252 Resp: 1374413

Ion Ratio Lower Upper

252 100

253 22.5 18.3 27.5

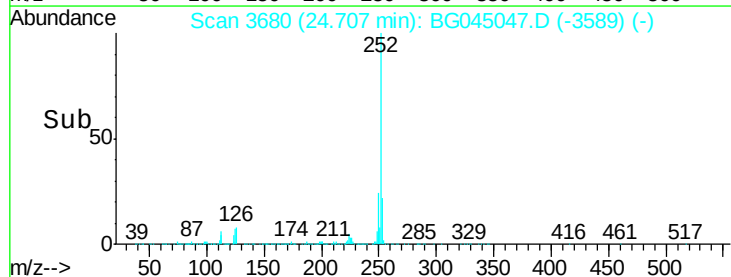
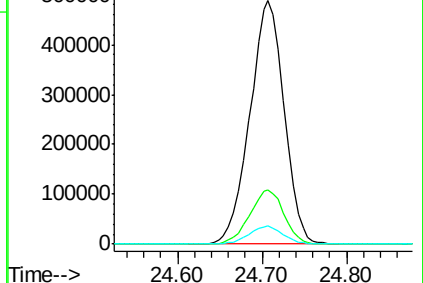
125 7.3 7.0 10.6

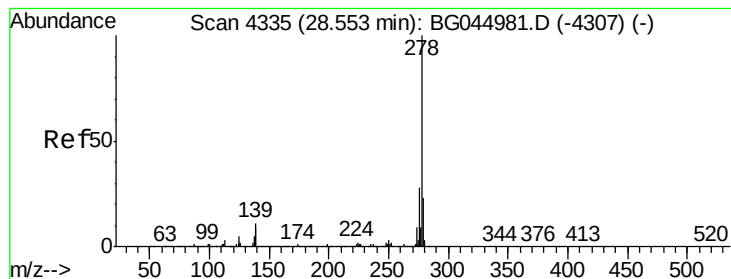


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 44.877 ng

RT: 28.54 min Scan# 4333

Delta R.T. -0.00 min

Lab File: BG045047.D

Acq: 18 Apr 2020 1:47

Instrument :

BNA\_G

ClientSampleId :

PB128298BSD

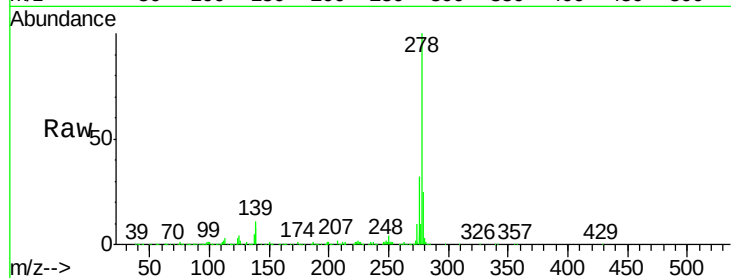
Tot Ion:278 Resp: 1438397

Ion Ratio Lower Upper

278 100

139 10.9 9.0 13.6

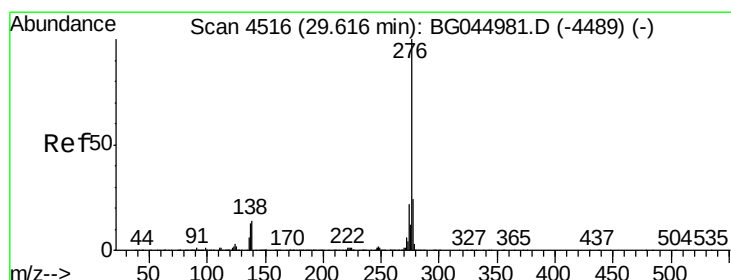
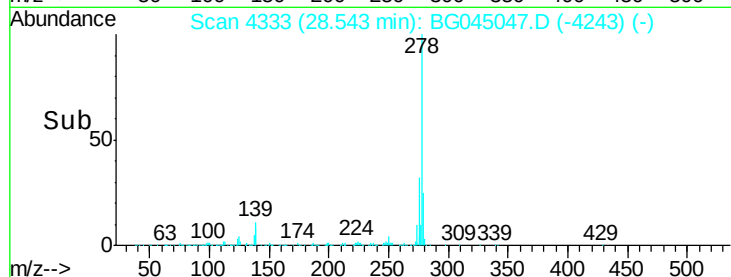
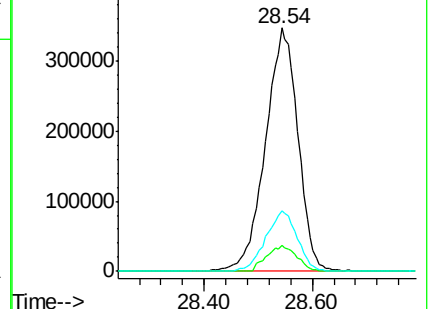
279 24.8 18.4 27.6



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



#92

Benzo(g,h,i)perylene

Concen: 45.418 ng

RT: 29.61 min Scan# 4514

Delta R.T. -0.00 min

Lab File: BG045047.D

Acq: 18 Apr 2020 1:47

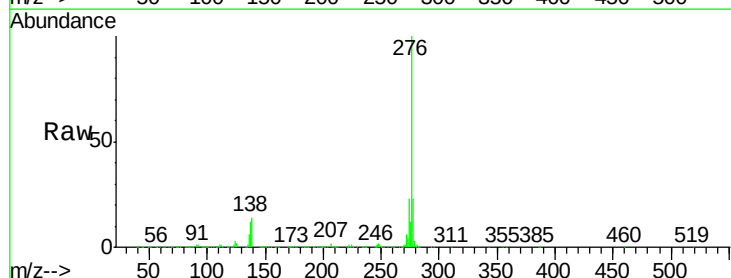
Tgt Ion:276 Resp: 1459449

Ion Ratio Lower Upper

276 100

277 23.0 19.3 28.9

138 14.0 11.4 17.2



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

