

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031618\  
 Data File : BG033228.D  
 Acq On : 17 Mar 2018 11:15  
 Operator : SJ/JU  
 Sample : PB107416BS  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB107416BS

Quant Time: Mar 19 02:27:03 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 14 13:59:34 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.90  | 152  | 34661    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 11.78 | 136  | 141012   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 15.51 | 164  | 112620   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 18.24 | 188  | 309941   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 22.60 | 240  | 322026   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 26.40 | 264  | 347565   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 6.31  | 112 | 269415  | 124.35 | ng | 0.00 |
| 7) Phenol-d6             | 8.00  | 99  | 405056  | 134.13 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 10.09 | 82  | 256463  | 121.41 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.99 | 330 | 225383  | 190.33 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 14.14 | 172 | 632655  | 81.02  | ng | 0.00 |
| 78) Terphenyl-d14        | 20.76 | 244 | 1264088 | 88.19  | ng | 0.00 |

## Target Compounds

|                                |       |     |        |         |    | Qvalue |
|--------------------------------|-------|-----|--------|---------|----|--------|
| 2) 1,4-Dioxane                 | 3.94  | 88  | 29213  | 31.069  | ng | # 82   |
| 3) Pyridine                    | 4.41  | 79  | 81838  | 31.579  | ng | 95     |
| 4) n-Nitrosodimethylamine      | 4.31  | 42  | 44296  | 42.633  | ng | # 85   |
| 6) Aniline                     | 8.19  | 93  | 56307  | 13.775  | ng | 99     |
| 8) 2-Chlorophenol              | 8.44  | 128 | 88333  | 37.250  | ng | 95     |
| 9) Benzaldehyde                | 8.00  | 77  | 37437  | 21.510  | ng | 92     |
| 10) Phenol                     | 8.03  | 94  | 129553 | 42.558  | ng | 89     |
| 11) bis(2-Chloroethyl)ether    | 8.27  | 93  | 85980  | 34.541  | ng | 97     |
| 12) 1,3-Dichlorobenzene        | 8.78  | 146 | 91348  | 32.889  | ng | 96     |
| 13) 1,4-Dichlorobenzene        | 8.93  | 146 | 87962  | 31.462  | ng | 94     |
| 14) 1,2-Dichlorobenzene        | 9.26  | 146 | 86902  | 32.437  | ng | 97     |
| 15) Benzyl Alcohol             | 9.13  | 79  | 95654  | 43.087  | ng | 91     |
| 16) 2,2'-oxybis(1-Chloropropan | 9.41  | 45  | 144295 | 33.720  | ng | 90     |
| 17) 2-Methylphenol             | 9.67  | 107 | 116682 | 51.980  | ng | 88     |
| 18) Hexachloroethane           | 10.01 | 117 | 35585  | 37.383  | ng | 93     |
| 19) n-Nitroso-di-n-propylamine | 9.70  | 70  | 78236  | 36.698  | ng | 96     |
| 20) 3+4-Methylphenols          | 9.67  | 107 | 116682 | 37.384  | ng | 89     |
| 22) Acetophenone               | 9.74  | 105 | 141712 | 39.793  | ng | # 98   |
| 24) Nitrobenzene               | 10.14 | 77  | 124205 | 54.271  | ng | 98     |
| 25) Isophorone                 | 10.66 | 82  | 230908 | 46.653  | ng | 100    |
| 26) 2-Nitrophenol              | 10.87 | 139 | 52392  | 60.370  | ng | # 85   |
| 27) 2,4-Dimethylphenol         | 10.90 | 122 | 88770  | 41.287  | ng | 90     |
| 28) bis(2-Chloroethoxy)methane | 11.14 | 93  | 124936 | 43.330  | ng | 96     |
| 29) 2,4-Dichlorophenol         | 11.41 | 162 | 101172 | 51.845  | ng | 97     |
| 30) 1,2,4-Trichlorobenzene     | 11.63 | 180 | 103000 | 45.028  | ng | 97     |
| 31) Naphthalene                | 11.83 | 128 | 271773 | 36.884  | ng | 99     |
| 32) Benzoic acid               | 11.01 | 122 | 60538  | 46.057  | ng | 92     |
| 33) 4-Chloroaniline            | 11.93 | 127 | 50323  | 15.274  | ng | # 91   |
| 34) Hexachlorobutadiene        | 12.09 | 225 | 71560  | 55.772  | ng | 93     |
| 35) Caprolactam                | 12.67 | 113 | 37330  | 47.775  | ng | 98     |
| 36) 4-Chloro-3-methylphenol    | 12.99 | 107 | 135922 | 59.854  | ng | 94     |
| 37) 2-Methylnaphthalene        | 13.38 | 142 | 212355 | 39.835  | ng | 93     |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.74 | 216 | 140451 | 42.011  | ng | 98     |
| 40) Hexachlorocyclopentadiene  | 13.71 | 237 | 174084 | 102.174 | ng | 95     |

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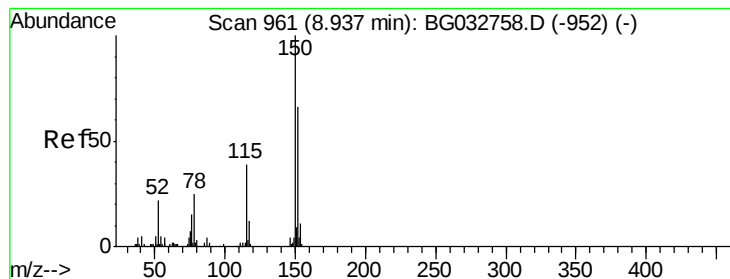
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB107416BS

Quant Time: Mar 19 02:27:03 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 14 13:59:34 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 13.96 | 196  | 100261   | 47.555  | nq    | 97       |
| 43) 2,4,5-Trichlorophenol      | 14.04 | 196  | 108516   | 44.471  | nq    | 97       |
| 45) 1,1'-Biphenyl              | 14.35 | 154  | 306873   | 31.182  | nq    | 97       |
| 46) 2-Chloronaphthalene        | 14.41 | 162  | 239354   | 32.559  | nq    | 100      |
| 47) 2-Nitroaniline             | 14.60 | 65   | 100860   | 53.090  | nq    | 99       |
| 48) Acenaphthylene             | 15.25 | 152  | 401436   | 33.354  | nq    | 98       |
| 49) Dimethylphthalate          | 14.94 | 163  | 366394   | 38.316  | nq    | 99       |
| 50) 2,6-Dinitrotoluene         | 15.07 | 165  | 79180    | 49.651  | nq    | 98       |
| 51) Acenaphthene               | 15.58 | 154  | 298104   | 39.770  | nq    | 96       |
| 52) 3-Nitroaniline             | 15.41 | 138  | 43507    | 26.271  | nq    | # 93     |
| 53) 2,4-Dinitrophenol          | 15.61 | 184  | 83645    | 133.517 | nq    | # 78     |
| 54) Dibenzofuran               | 15.91 | 168  | 402707   | 37.731  | nq    | 92       |
| 55) 4-Nitrophenol              | 15.69 | 139  | 120965   | 77.492  | nq    | # 85     |
| 56) 2,4-Dinitrotoluene         | 15.85 | 165  | 118982   | 60.062  | nq    | 98       |
| 57) Fluorene                   | 16.55 | 166  | 346156   | 39.295  | nq    | 97       |
| 58) 2,3,4,6-Tetrachlorophenol  | 16.12 | 232  | 122738   | 64.786  | nq    | 94       |
| 59) Diethylphthalate           | 16.28 | 149  | 368988   | 36.584  | nq    | 97       |
| 60) 4-Chlorophenyl-phenylether | 16.52 | 204  | 193453   | 44.892  | nq    | 99       |
| 61) 4-Nitroaniline             | 16.56 | 138  | 68819    | 34.873  | nq    | 86       |
| 62) Azobenzene                 | 16.82 | 77   | 370389   | 41.050  | nq    | 99       |
| 64) 4,6-Dinitro-2-methylphenol | 16.61 | 198  | 66964    | 64.952  | nq    | 88       |
| 65) n-Nitrosodiphenylamine     | 16.73 | 169  | 326024   | 32.335  | nq    | 95       |
| 66) 4-Bromophenyl-phenylether  | 17.42 | 248  | 133467   | 40.725  | nq    | 96       |
| 67) Hexachlorobenzene          | 17.54 | 284  | 135017   | 38.123  | nq    | 94       |
| 68) Atrazine                   | 17.66 | 200  | 134799   | 40.616  | nq    | 98       |
| 69) Pentachlorophenol          | 17.88 | 266  | 192919   | 86.479  | nq    | 98       |
| 70) Phenanthrene               | 18.29 | 178  | 603514   | 34.902  | nq    | 99       |
| 71) Anthracene                 | 18.38 | 178  | 616996   | 35.541  | nq    | 98       |
| 72) Carbazole                  | 18.63 | 167  | 540158   | 31.568  | nq    | # 97     |
| 73) Di-n-butylphthalate        | 19.13 | 149  | 624244   | 29.737  | nq    | # 98     |
| 74) Fluoranthene               | 20.24 | 202  | 774750   | 40.561  | nq    | 98       |
| 76) Benzidine                  | 20.40 | 184  | 184074   | 16.769  | nq    | 100      |
| 77) Pyrene                     | 20.60 | 202  | 782050   | 34.437  | nq    | 98       |
| 79) Butylbenzylphthalate       | 21.46 | 149  | 291398   | 28.941  | nq    | 94       |
| 80) Benzo(a)anthracene         | 22.58 | 228  | 774429   | 37.503  | nq    | 100      |
| 81) 3,3'-Dichlorobenzidine     | 22.47 | 252  | 148002   | 19.352  | nq    | 94       |
| 82) Chrysene                   | 22.66 | 228  | 724146   | 36.710  | nq    | 98       |
| 83) Bis(2-ethylhexyl)phthalate | 22.40 | 149  | 391423   | 26.263  | nq    | 97       |
| 84) Di-n-octyl phthalate       | 23.81 | 149  | 677360   | 29.817  | nq    | 98       |
| 85) Indeno(1,2,3-cd)pyrene     | 30.82 | 276  | 858813   | 37.332  | nq    | # 87     |
| 87) Benzo(b)fluoranthene       | 25.18 | 252  | 749678   | 36.480  | nq    | # 96     |
| 88) Benzo(k)fluoranthene       | 25.26 | 252  | 754336   | 36.934  | nq    | # 97     |
| 89) Benzo(a)pyrene             | 26.22 | 252  | 738235   | 37.769  | nq    | # 96     |
| 90) Dibenzo(a,h)anthracene     | 30.90 | 278  | 713348   | 36.257  | nq    | # 95     |
| 91) Benzo(g,h,i)perylene       | 32.22 | 276  | 714247   | 36.827  | nq    | # 94     |

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



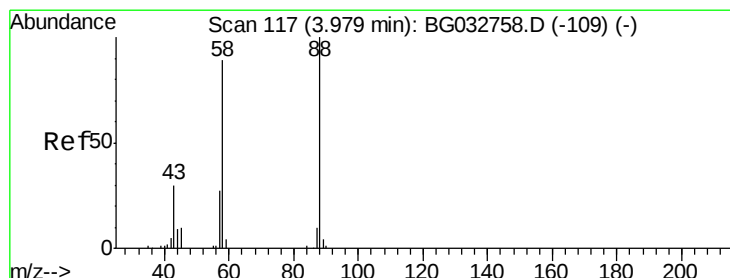
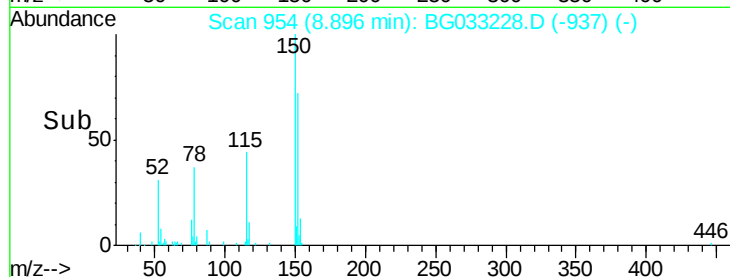
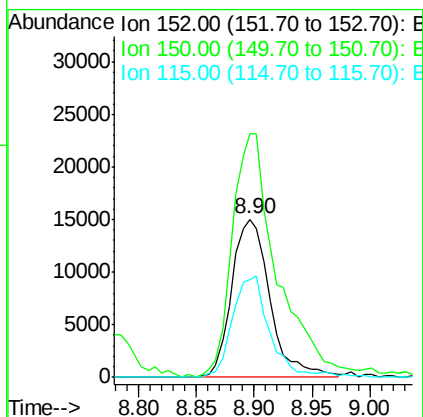
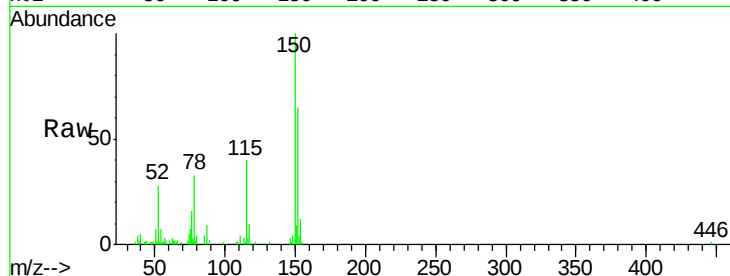


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.90 min Scan# 954  
Delta R.T. -0.00 min  
Lab File: BG033228.D  
Acq: 17 Mar 2018 11:15

Instrument :  
BNA\_G  
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PB107416BS

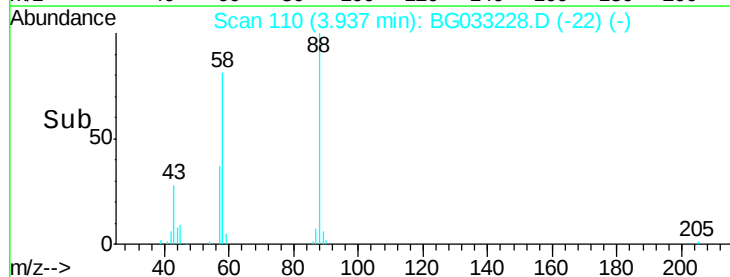
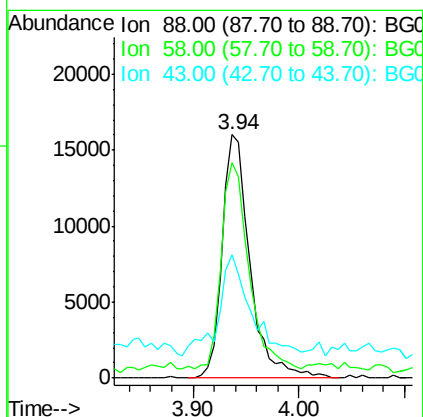
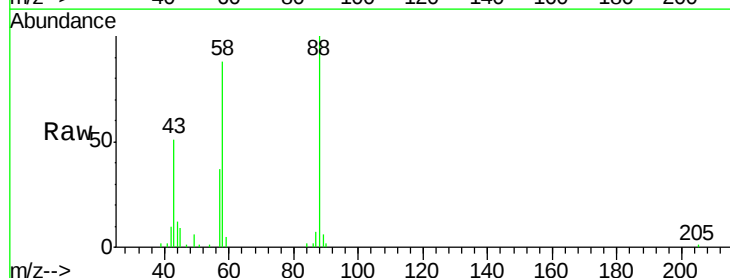
Tot Ion:152 Resp: 34661  
Ion Ratio Lower Upper  
152 100  
150 153.8 126.6 189.8  
115 61.6 53.0 79.4

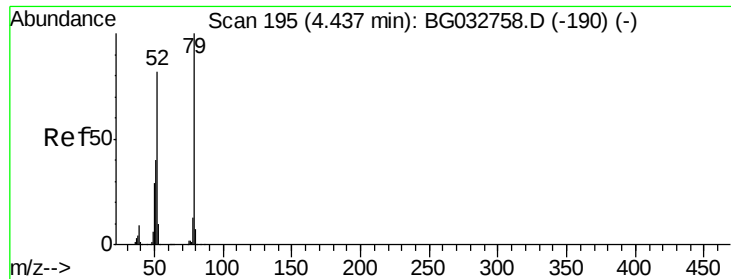


#2

1,4-Dioxane  
Concen: 31.069 ng  
RT: 3.94 min Scan# 110  
Delta R.T. -0.01 min  
Lab File: BG033228.D  
Acq: 17 Mar 2018 11:15

Tgt Ion: 88 Resp: 29213  
Ion Ratio Lower Upper  
88 100  
58 84.3 79.6 119.4  
43 48.2 27.4 41.0#





#3

Pvridine

Concen: 31.579 ng

RT: 4.41 min Scan# 190

Delta R.T. -0.01 min

Lab File: BG033228.D

Acq: 17 Mar 2018 11:15

Instrument :

BNA\_G

ClientSampleId :

PB107416BS

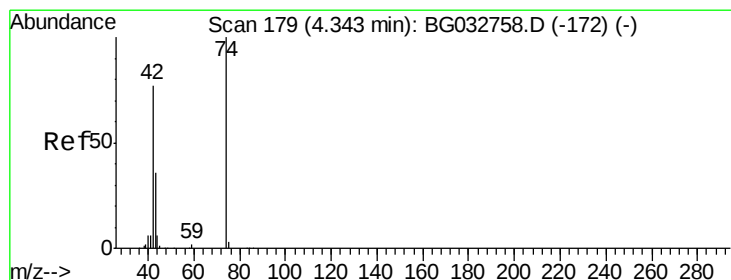
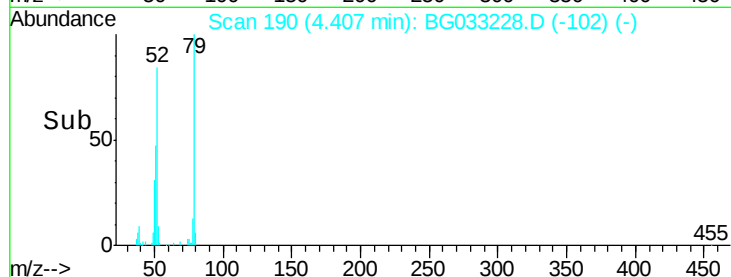
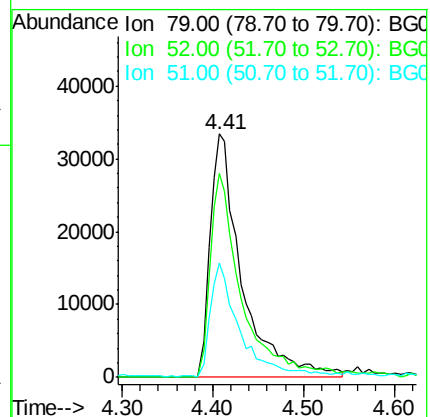
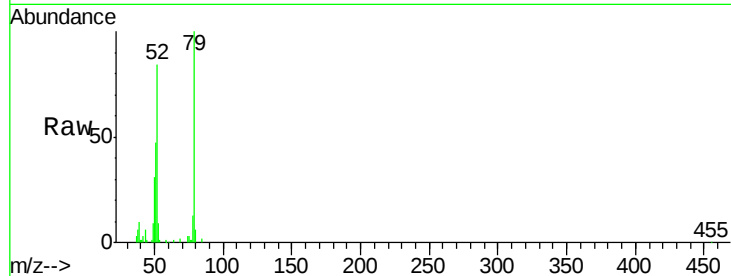
Tot Ion: 79 Resp: 81838

Ion Ratio Lower Upper

79 100

52 83.7 69.9 104.9

51 47.1 34.0 51.0



#4

n-Nitrosodimethylamine

Concen: 42.633 ng

RT: 4.31 min Scan# 174

Delta R.T. -0.01 min

Lab File: BG033228.D

Acq: 17 Mar 2018 11:15

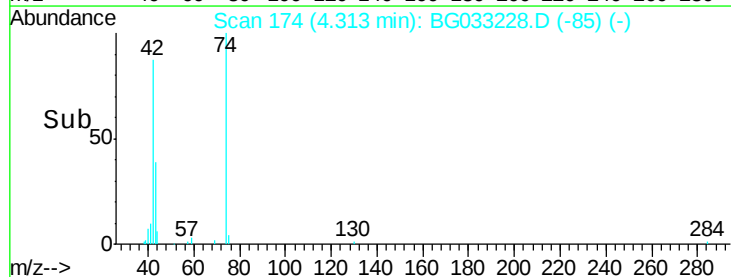
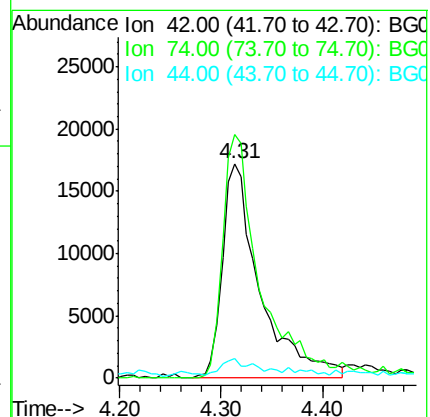
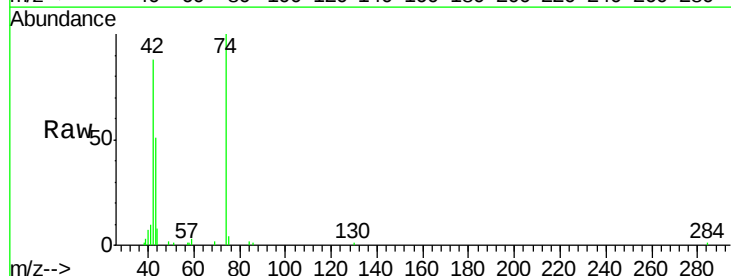
Tgt Ion: 42 Resp: 44296

Ion Ratio Lower Upper

42 100

74 113.5 102.5 153.7

44 9.3 18.9 28.3#





#5

2-Fluorophenol

Concen: 124.354 ng

RT: 6.31 min Scan# 514

Delta R.T. -0.01 min

Lab File: BG033228.D

Acq: 17 Mar 2018 11:15

Instrument :

BNA\_G

ClientSampleId :

PB107416BS

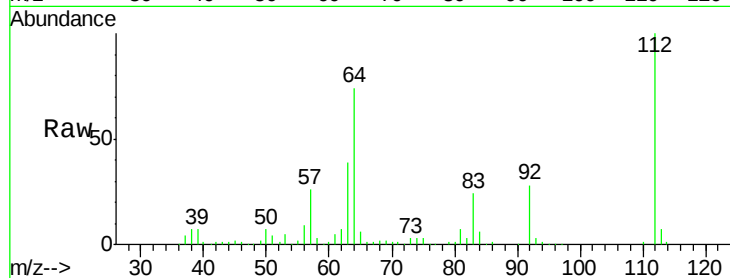
Tot Ion:112 Resp: 269415

Ion Ratio Lower Upper

112 100

64 74.1 56.3 84.5

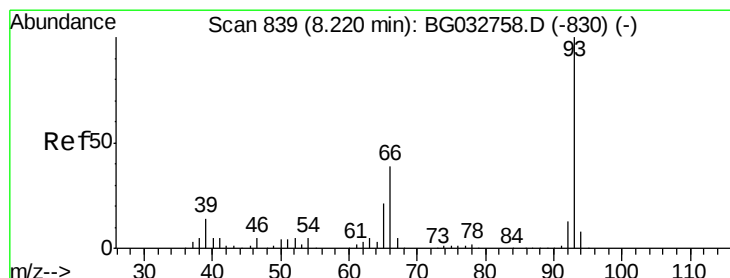
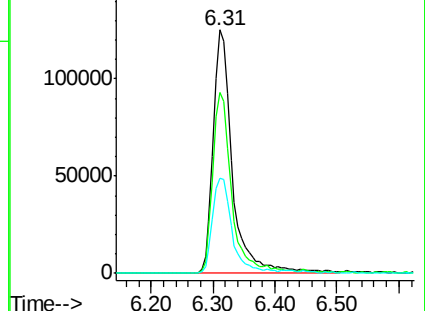
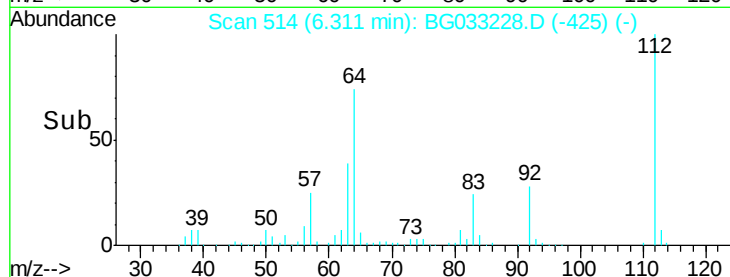
63 39.1 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 13.775 ng

RT: 8.19 min Scan# 834

Delta R.T. -0.00 min

Lab File: BG033228.D

Acq: 17 Mar 2018 11:15

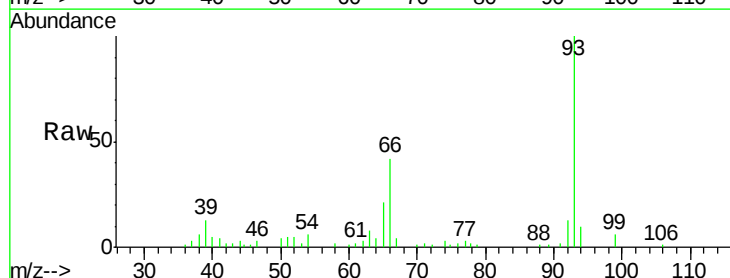
Tgt Ion: 93 Resp: 56307

Ion Ratio Lower Upper

93 100

66 42.1 33.7 50.5

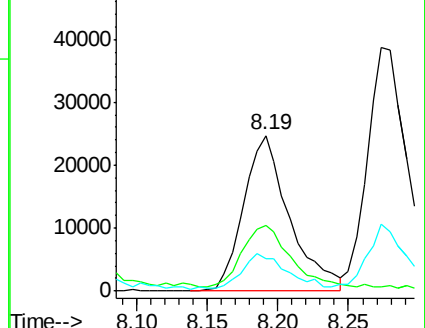
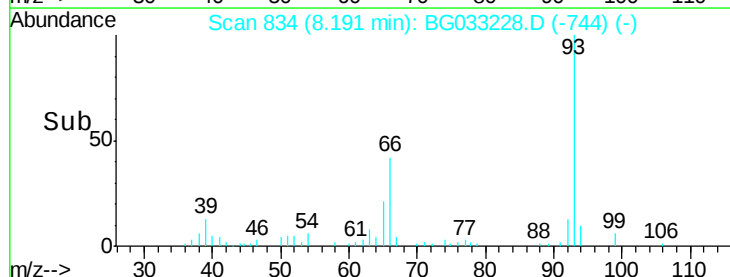
65 21.0 16.1 24.1

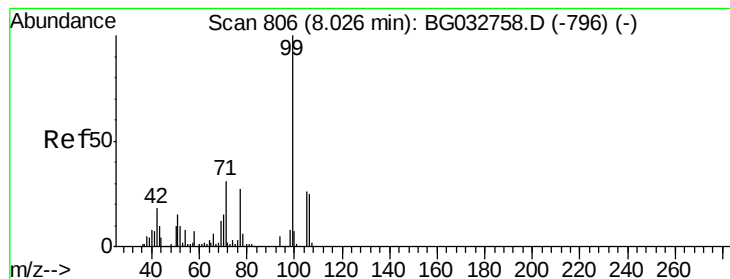


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 134.133 ng

RT: 8.00 min Scan# 802

Delta R.T. -0.01 min

Lab File: BG033228.D

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ClientSampleId :

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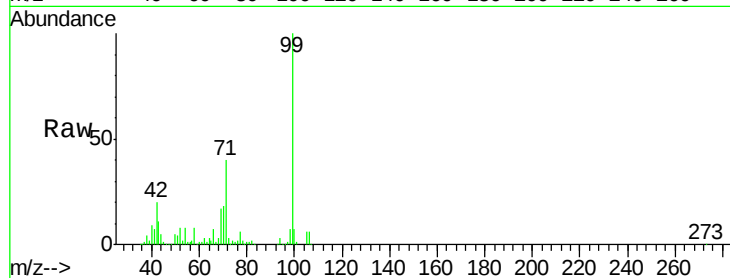
Tot Ion: 99 Resp: 405056

Ion Ratio Lower Upper

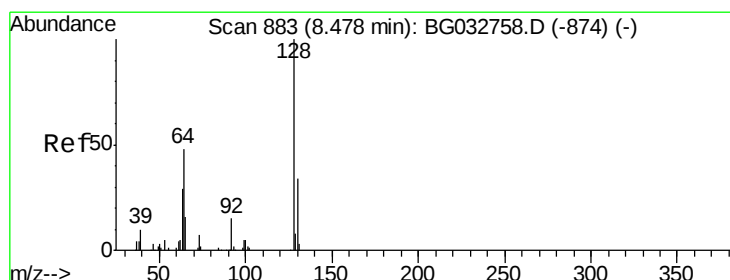
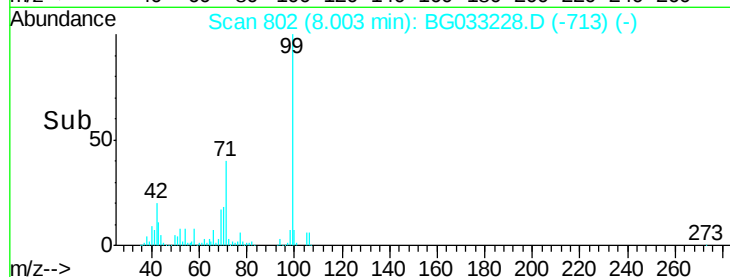
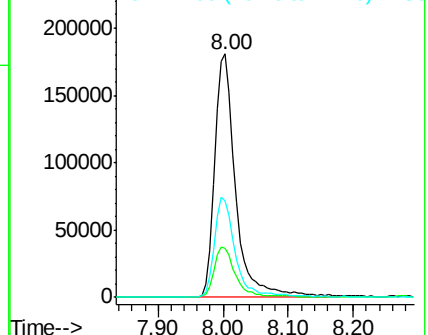
99 100

42 20.2 14.1 21.1

71 39.5 26.1 39.1#



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



#8

2-Chlorophenol

Concen: 37.250 ng

RT: 8.44 min Scan# 876

Delta R.T. -0.01 min

Lab File: BG033228.D

Acq: 17 Mar 2018 11:15

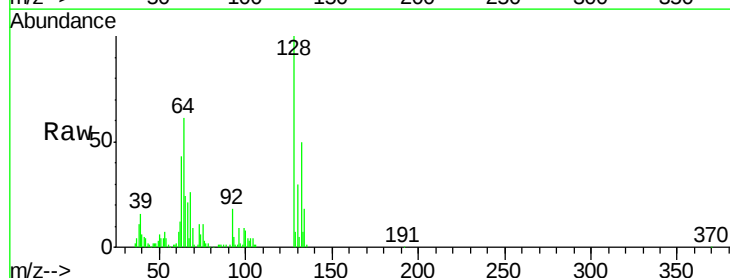
Tgt Ion:128 Resp: 88333

Ion Ratio Lower Upper

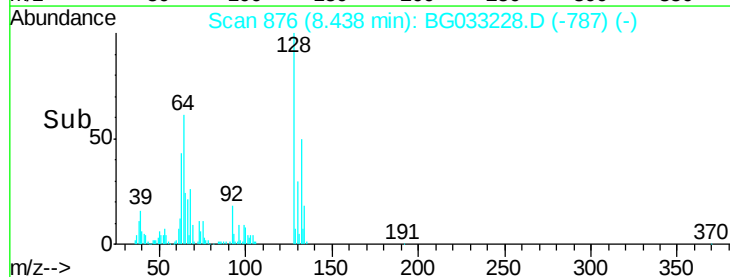
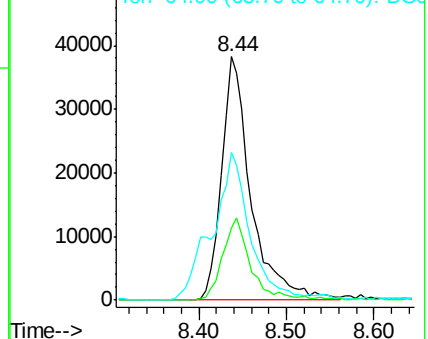
128 100

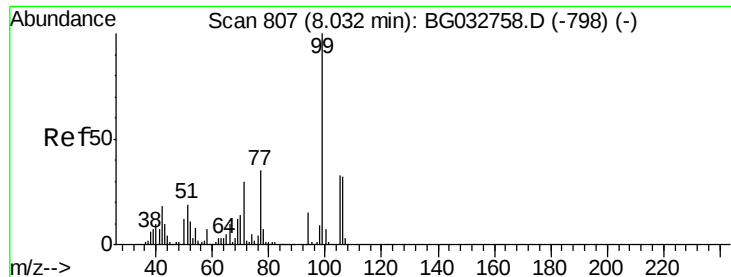
130 29.7 14.0 54.0

64 60.7 37.7 77.7



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





#9

Benzaldehyde

Concen: 21.510 ng

RT: 8.00 min Scan# 801

Delta R.T. -0.00 min

Lab File: BG033228.D

Acq: 17 Mar 2018 11:15

Instrument :

BNA\_G

ClientSampleId :

PB107416BS

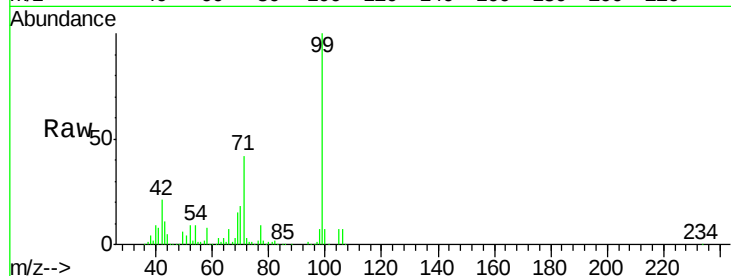
Tot Ion: 77 Resp: 37437

Ion Ratio Lower Upper

77 100

105 82.9 71.3 111.3

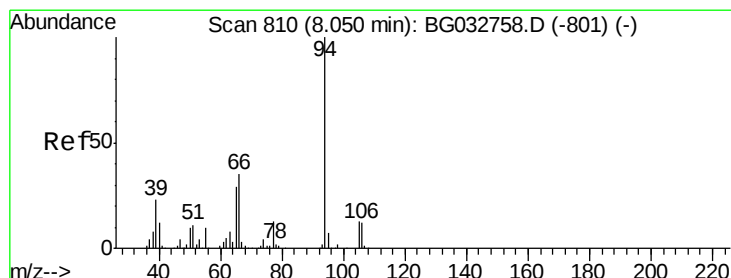
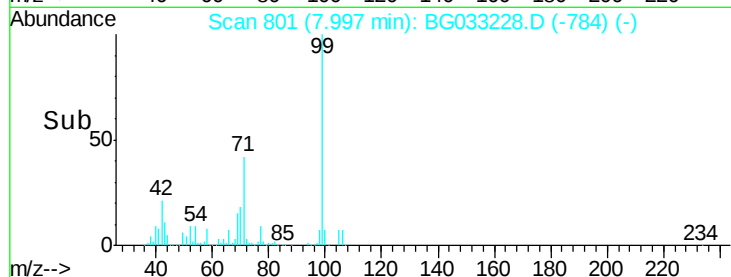
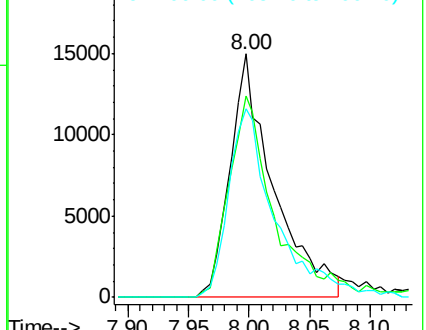
106 77.5 64.2 104.2



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: 42.558 ng

RT: 8.03 min Scan# 806

Delta R.T. -0.01 min

Lab File: BG033228.D

Acq: 17 Mar 2018 11:15

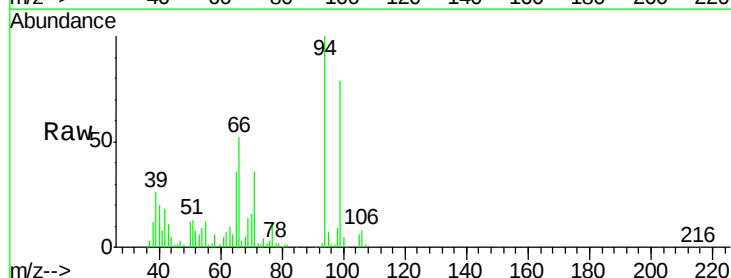
Tgt Ion: 94 Resp: 129553

Ion Ratio Lower Upper

94 100

65 35.7 11.9 51.9

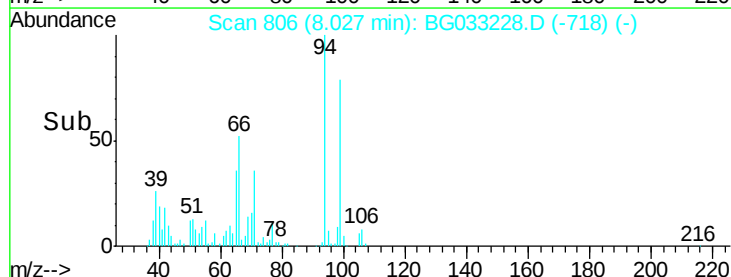
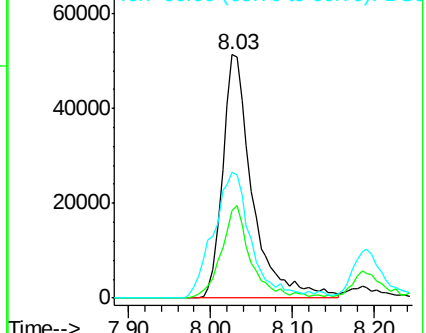
66 51.5 22.2 62.2

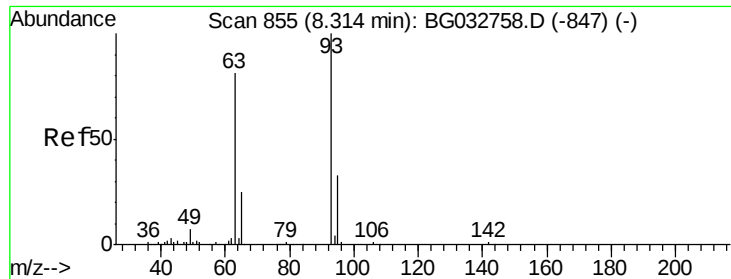


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

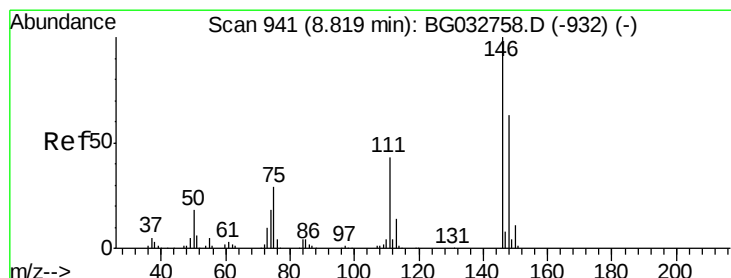
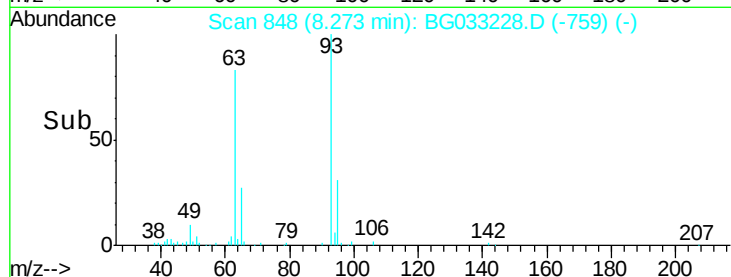
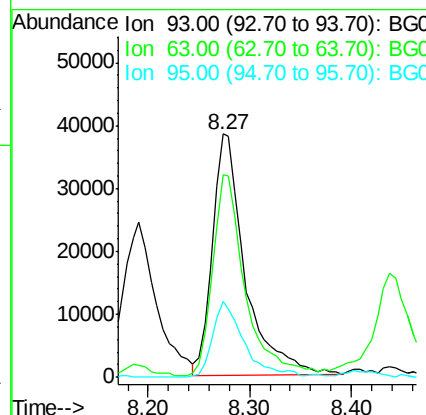
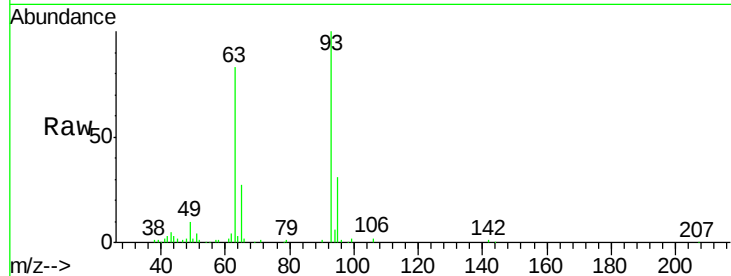




#11  
bis(2-Chloroethyl)ether  
Concen: 34.541 ng  
RT: 8.27 min Scan# 848  
Delta R.T. -0.01 min  
Lab File: BG033228.D  
Acq: 17 Mar 2018 11:15

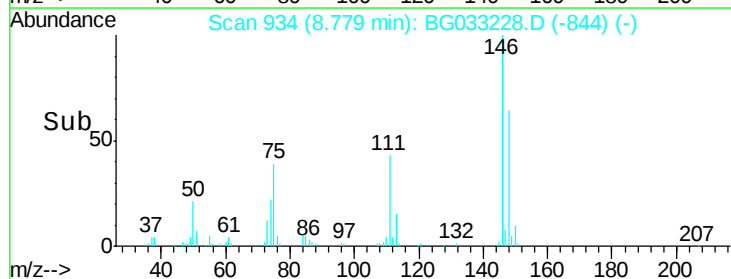
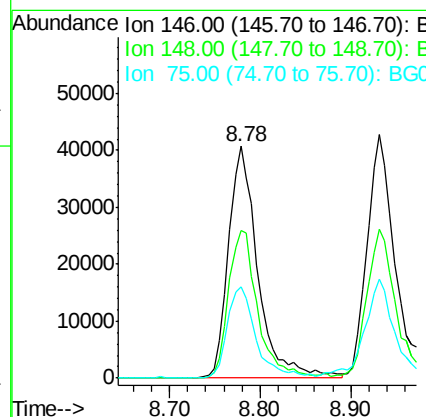
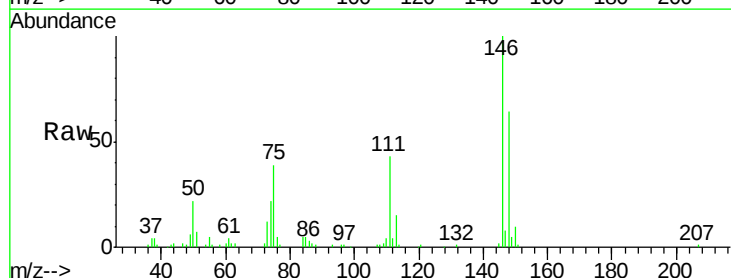
Instrument :  
BNA\_G  
ClientSampleId :  
PB107416BS

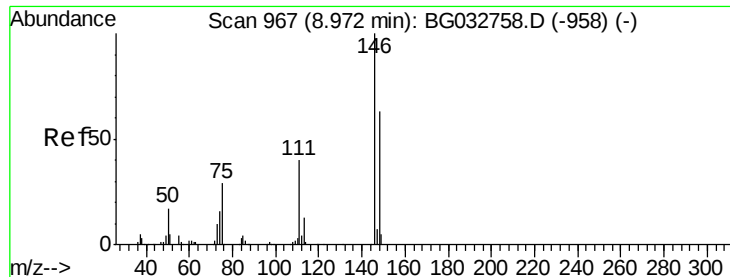
Tot Ion: 93 Resp: 85980  
Ion Ratio Lower Upper  
93 100  
63 83.2 67.1 107.1  
95 31.4 11.5 51.5



#12  
1,3-Dichlorobenzene  
Concen: 32.889 ng  
RT: 8.78 min Scan# 934  
Delta R.T. -0.00 min  
Lab File: BG033228.D  
Acq: 17 Mar 2018 11:15

Tgt Ion: 146 Resp: 91348  
Ion Ratio Lower Upper  
146 100  
148 63.8 51.4 77.2  
75 39.3 26.6 39.8

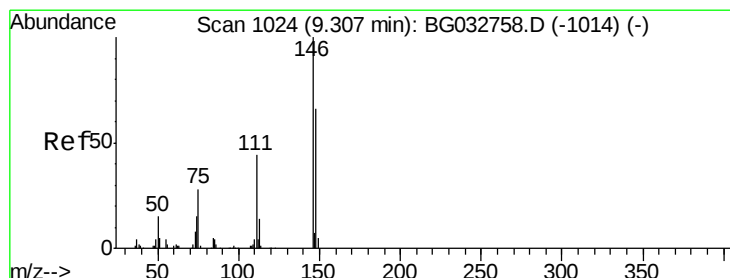
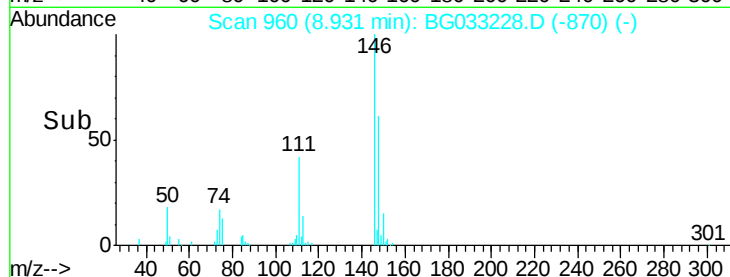
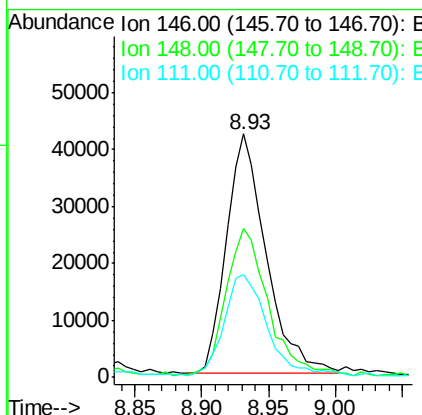
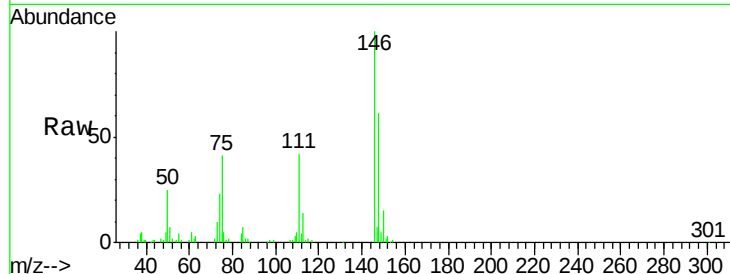




#13  
1,4-Dichlorobenzene  
Concen: 31.462 ng  
RT: 8.93 min Scan# 960  
Delta R.T. -0.00 min  
Lab File: BG033228.D  
Acq: 17 Mar 2018 11:15

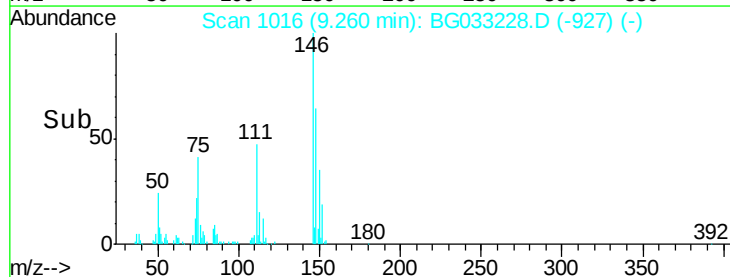
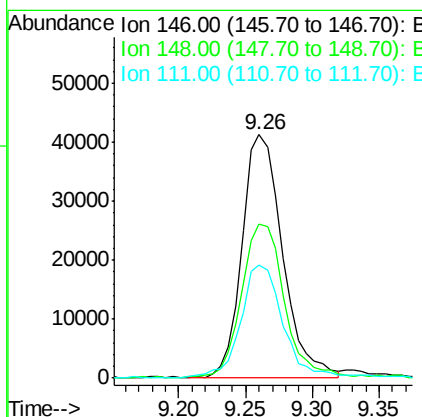
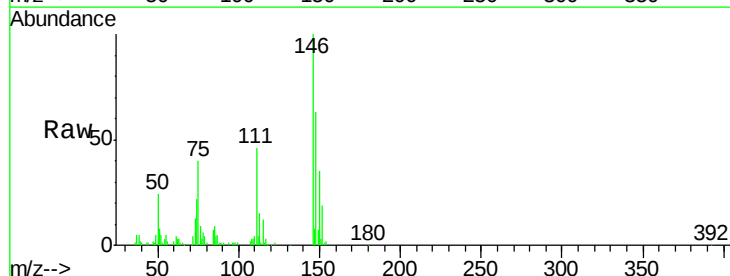
Instrument :  
BNA\_G  
ClientSampleId :  
PB107416BS

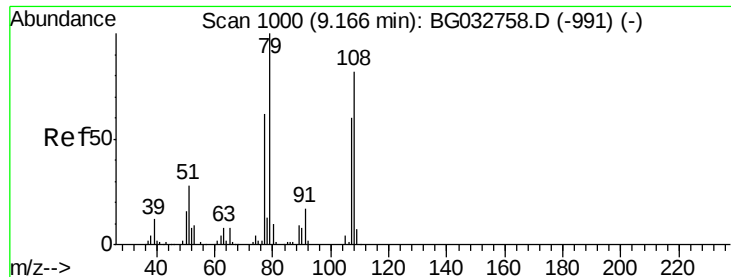
Tot Ion:146 Resp: 87962  
Ion Ratio Lower Upper  
146 100  
148 61.1 53.7 80.5  
111 42.1 35.2 52.8



#14  
1,2-Dichlorobenzene  
Concen: 32.437 ng  
RT: 9.26 min Scan# 1016  
Delta R.T. -0.01 min  
Lab File: BG033228.D  
Acq: 17 Mar 2018 11:15

Tgt Ion:146 Resp: 86902  
Ion Ratio Lower Upper  
146 100  
148 63.3 49.3 73.9  
111 46.3 34.3 51.5





#15

Benzyl Alcohol

Concen: 43.087 ng

RT: 9.13 min Scan# 994

Delta R.T. -0.00 min

Lab File: BG033228.D

Acq: 17 Mar 2018 11:15

Instrument :

BNA\_G

ClientSampleId :

PB107416BS

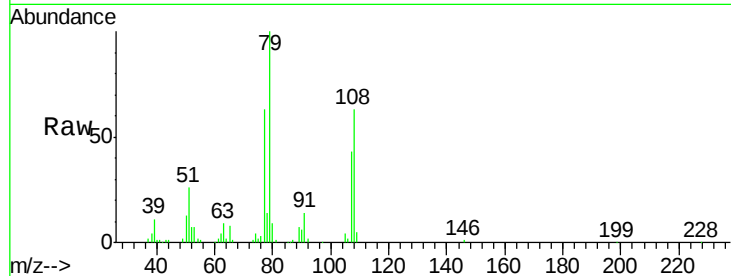
Tot Ion: 79 Resp: 95654

Ion Ratio Lower Upper

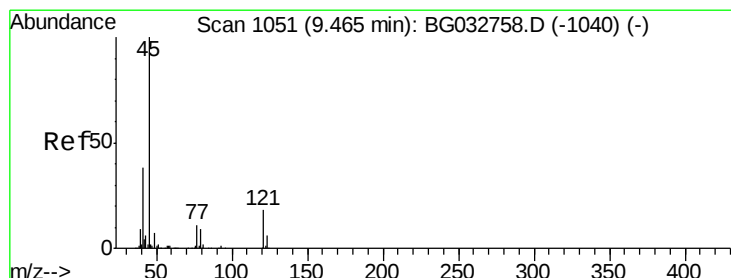
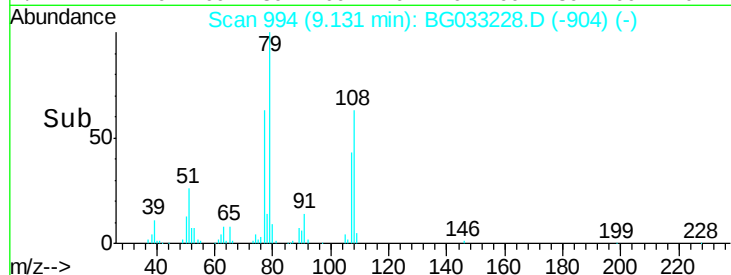
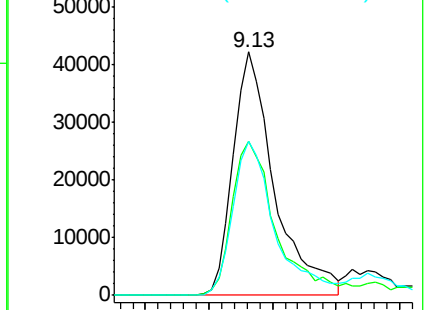
79 100

108 63.5 57.2 85.8

77 63.1 46.1 69.1



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



#16

2,2'-oxybis(1-chloropropane)

Concen: 33.720 ng

RT: 9.41 min Scan# 1042

Delta R.T. -0.01 min

Lab File: BG033228.D

Acq: 17 Mar 2018 11:15

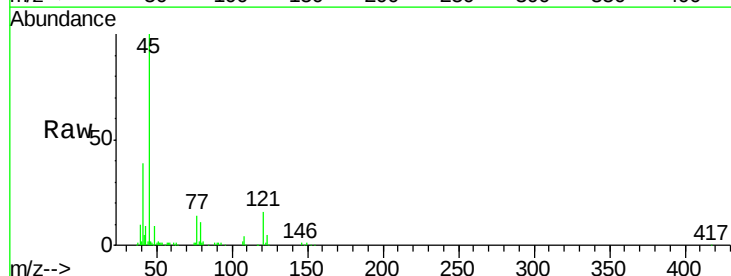
Tgt Ion: 45 Resp: 144295

Ion Ratio Lower Upper

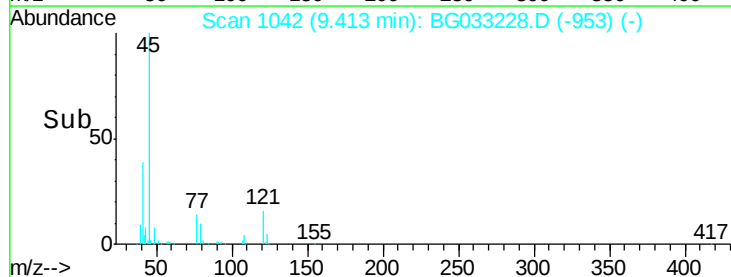
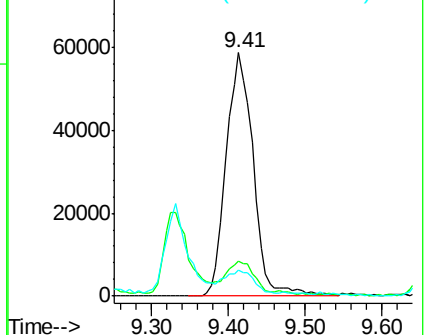
45 100

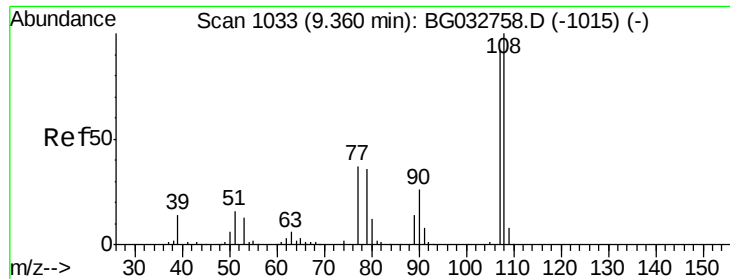
77 14.2 0.0 30.2

79 10.9 0.0 27.9



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

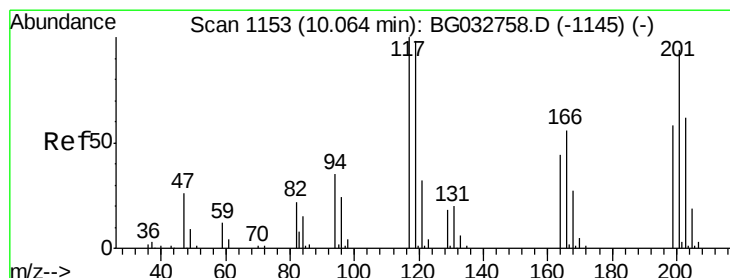
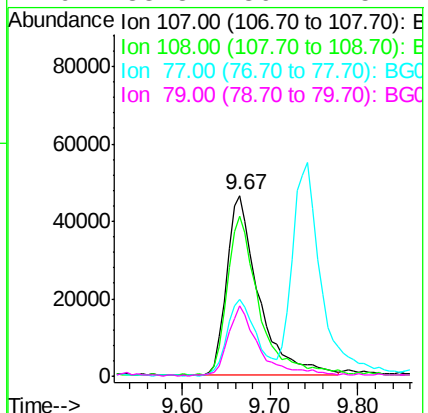
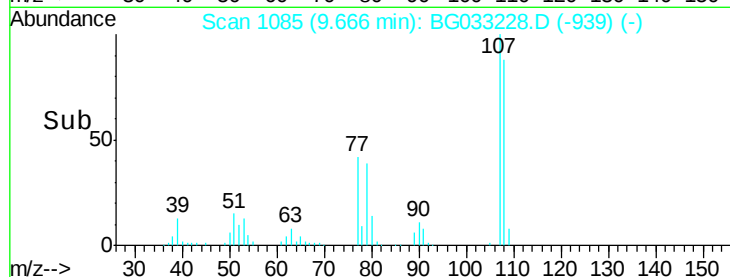
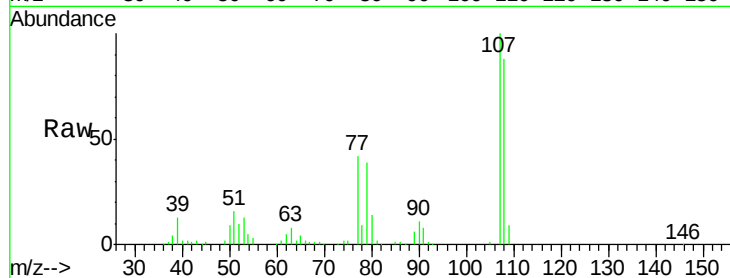




#17  
2-Methylphenol  
Concen: 51.980 ng  
RT: 9.67 min Scan# 1085  
Delta R.T. 0.33 min  
Lab File: BG033228.D  
Acq: 17 Mar 2018 11:15

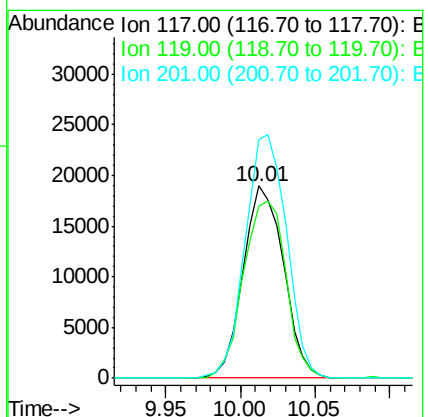
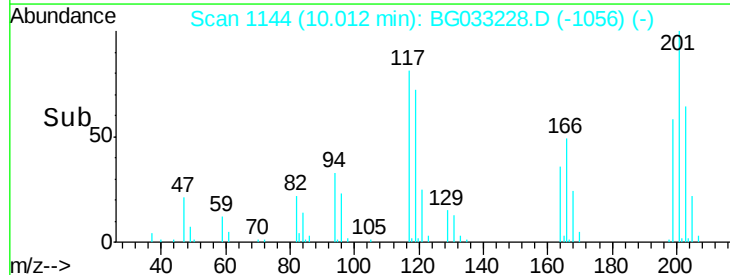
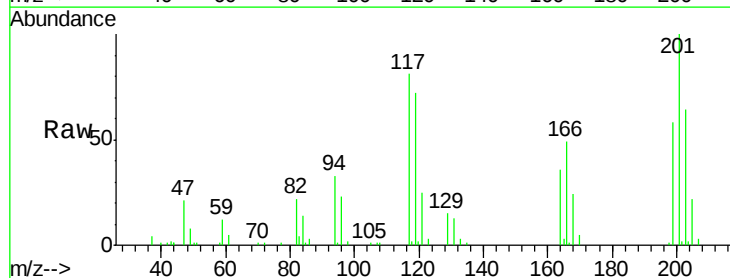
Instrument :  
BNA\_G  
ClientSampleId :  
PB107416BS

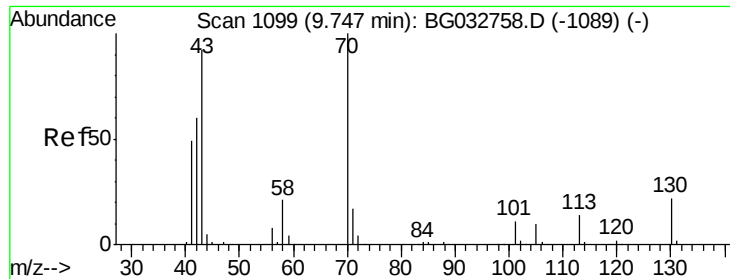
Tot Ion:107 Resp: 116682  
Ion Ratio Lower Upper  
107 100  
108 88.3 83.9 125.9  
77 42.2 37.2 55.8  
79 38.8 36.2 54.2



#18  
Hexachloroethane  
Concen: 37.383 ng  
RT: 10.01 min Scan# 1144  
Delta R.T. -0.01 min  
Lab File: BG033228.D  
Acq: 17 Mar 2018 11:15

Tgt Ion:117 Resp: 35585  
Ion Ratio Lower Upper  
117 100  
119 89.3 76.7 115.1  
201 127.0 95.7 143.5

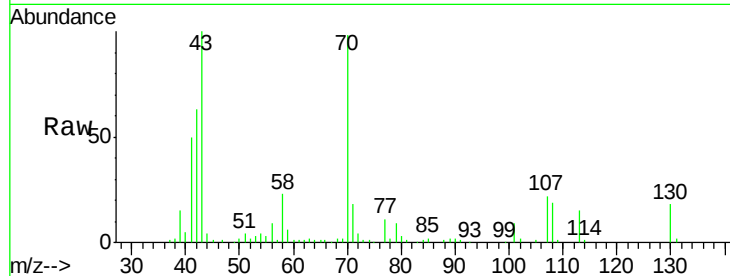




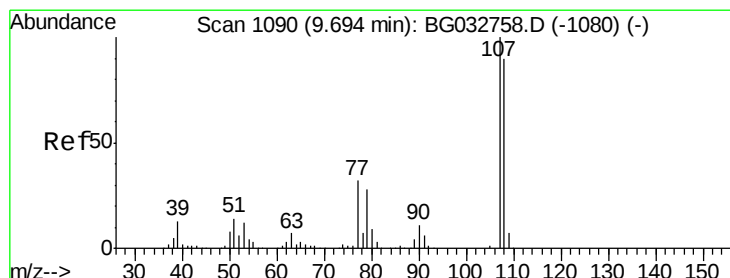
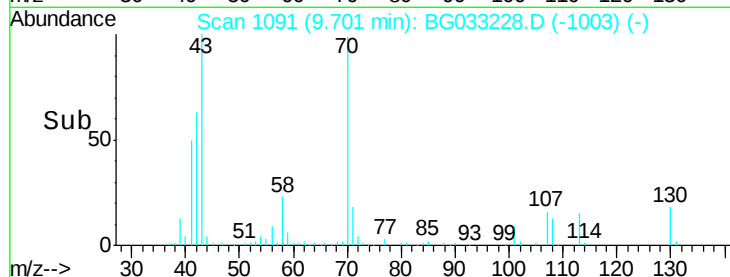
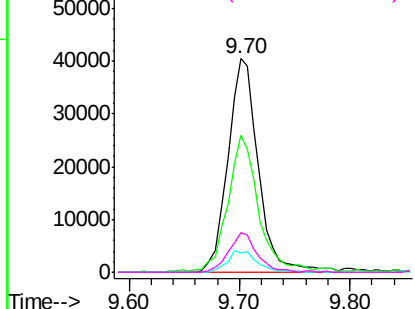
#19  
n-Nitroso-di-n-propylamine  
Concen: 36.698 ng  
RT: 9.70 min Scan# 1091  
Delta R.T. -0.01 min  
Lab File: BG033228.D  
Acq: 17 Mar 2018 11:15

Instrument :  
BNA\_G  
ClientSampleId :  
PB107416BS

Tot Ion: 70 Resp: 78236  
Ion Ratio Lower Upper  
70 100  
42 64.0 49.1 73.7  
101 9.2 8.5 12.7  
130 18.5 13.4 20.0

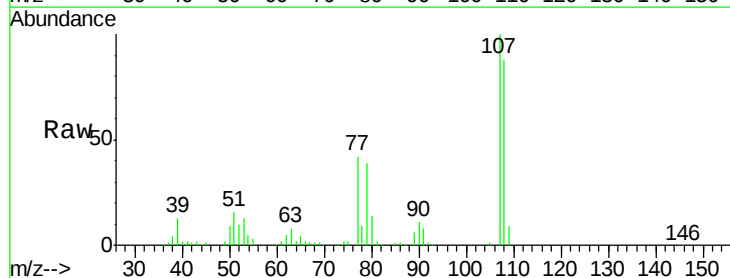


Abundance Ion 70.00 (69.70 to 70.70): BGC  
Ion 42.00 (41.70 to 42.70): BGC  
Ion 101.00 (100.70 to 101.70): BGC  
Ion 130.00 (129.70 to 130.70): BGC

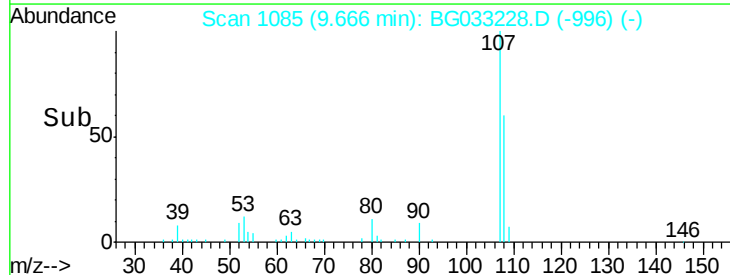
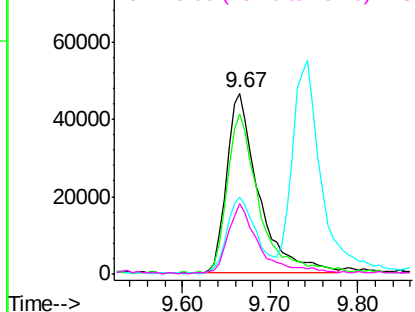


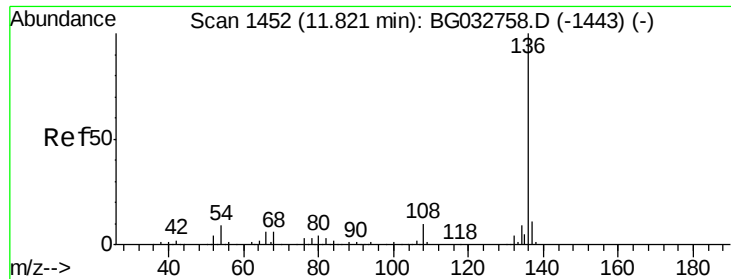
#20  
3+4-Methylphenols  
Concen: 37.384 ng  
RT: 9.67 min Scan# 1085  
Delta R.T. -0.01 min  
Lab File: BG033228.D  
Acq: 17 Mar 2018 11:15

Tgt Ion: 107 Resp: 116682  
Ion Ratio Lower Upper  
107 100  
108 88.3 61.6 101.6  
77 42.2 13.9 53.9  
79 38.8 8.8 48.8



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





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.78 min Scan# 1445

Delta R.T. -0.01 min

Lab File: BG033228.D

Acq: 17 Mar 2018 11:15

Instrument :

BNA\_G

ClientSampleId :

PB107416BS

Tot Ion:136 Resp: 141012

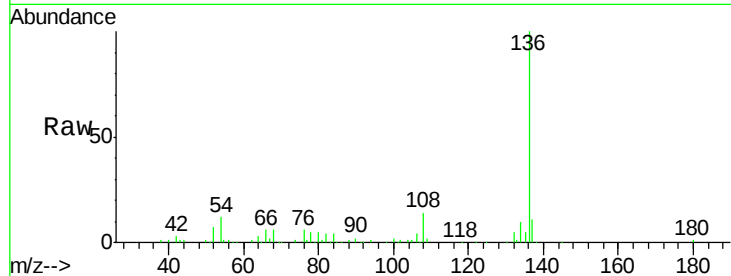
Ion Ratio Lower Upper

136 100

137 10.9 9.2 13.8

54 12.3 10.3 15.5

68 5.7 4.5 6.7

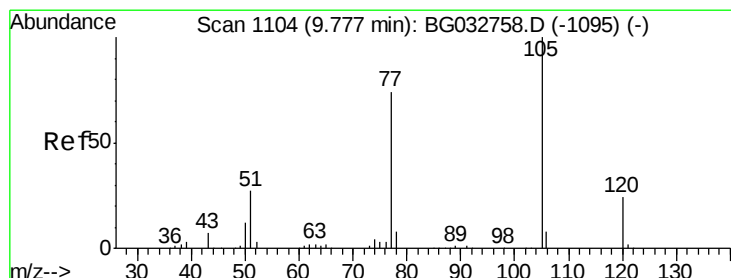
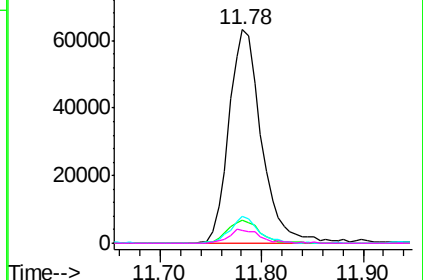
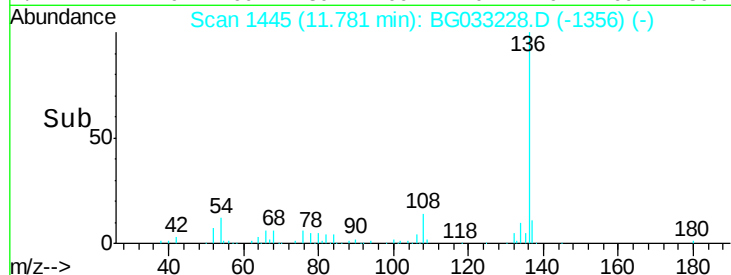


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#22

Acetophenone

Concen: 39.793 ng

RT: 9.74 min Scan# 1097

Delta R.T. -0.01 min

Lab File: BG033228.D

Acq: 17 Mar 2018 11:15

Tgt Ion:105 Resp: 141712

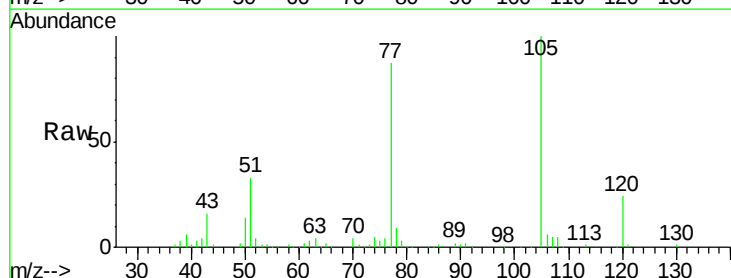
Ion Ratio Lower Upper

105 100

71 0.5 3.0 4.4#

51 33.0 26.1 39.1

120 23.7 17.4 26.2

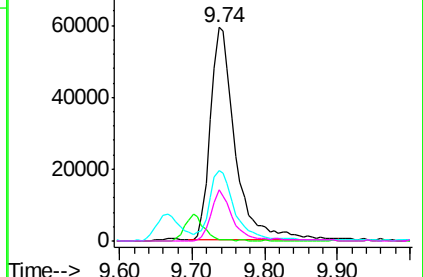
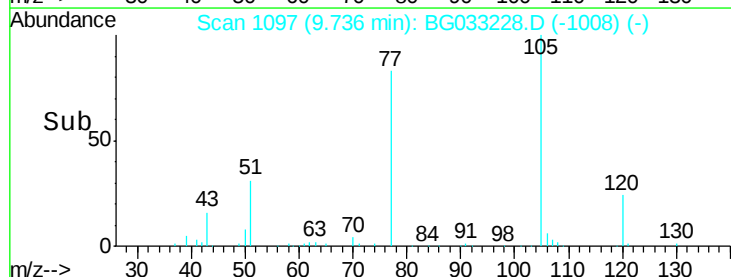


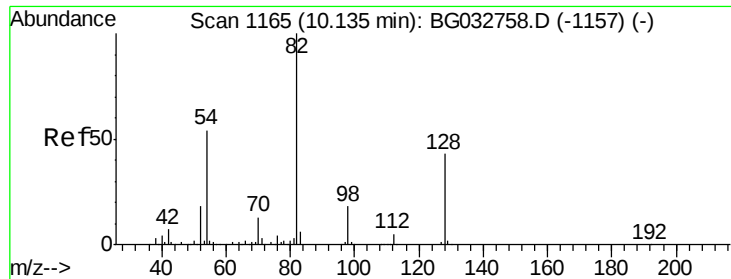
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E

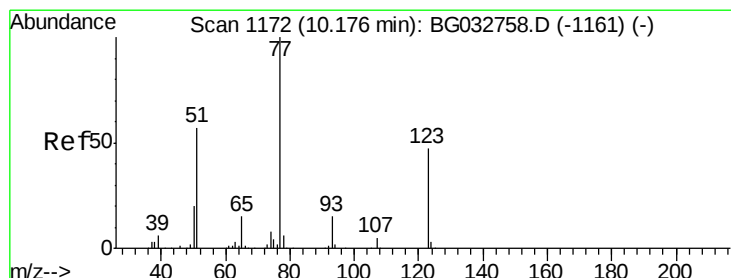
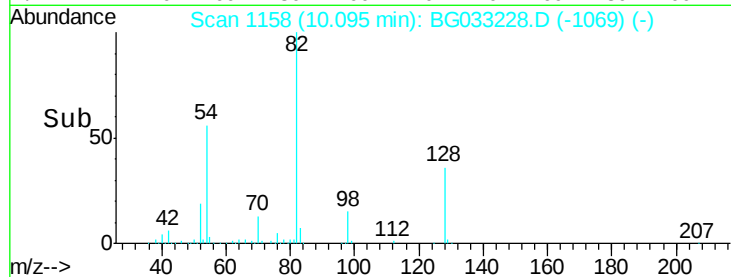
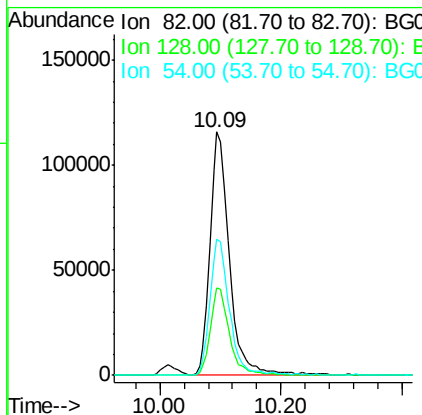
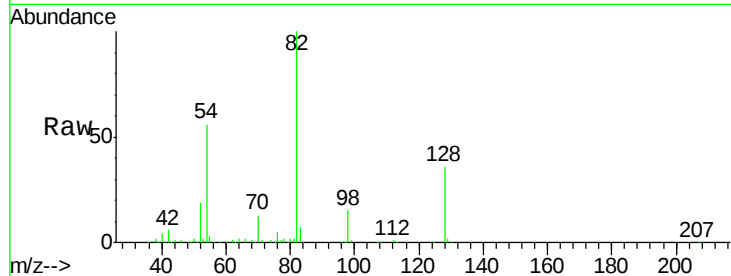




#23  
 Nitrobenzene-d5  
 Concen: 121.405 ng  
 RT: 10.09 min Scan# 1158  
 Delta R.T. -0.01 min  
 Lab File: BG033228.D  
 Acq: 17 Mar 2018 11:15

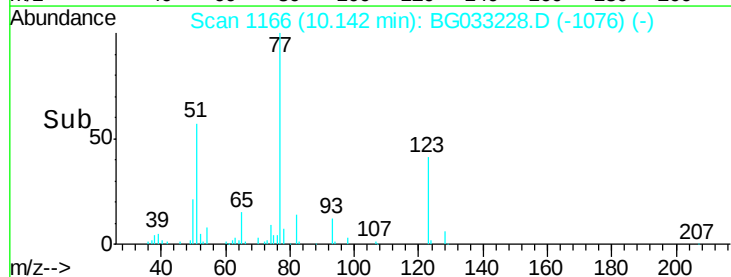
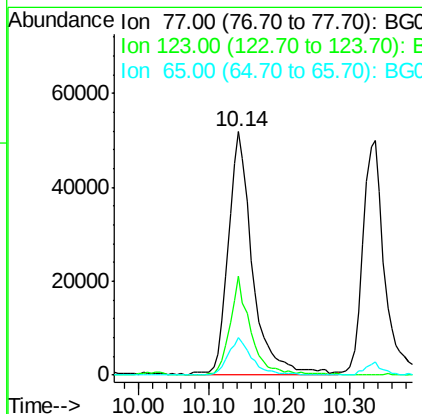
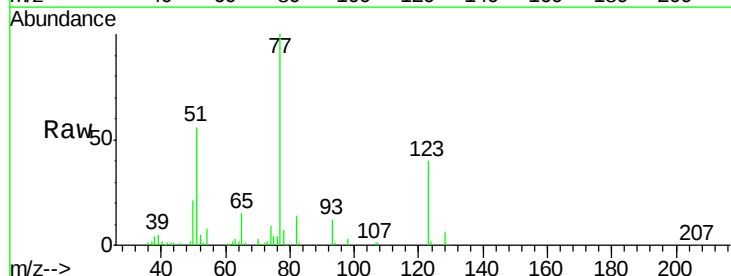
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB107416BS

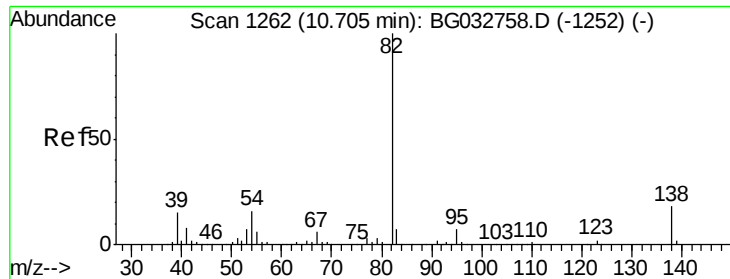
| Tot Ion   | 82    | Resp  | 256463 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 36.2  | 29.7  | 44.5   |
| 54        | 55.8  | 43.1  | 64.7   |



#24  
 Nitrobenzene  
 Concen: 54.271 ng  
 RT: 10.14 min Scan# 1166  
 Delta R.T. -0.00 min  
 Lab File: BG033228.D  
 Acq: 17 Mar 2018 11:15

| Tgt Ion   | 77    | Resp  | 124205 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 77        | 100   |       |        |
| 123       | 40.4  | 33.0  | 49.6   |
| 65        | 15.3  | 13.0  | 19.6   |





#25

Isophorone

Concen: 46.653 ng

RT: 10.66 min Scan# 1254

Delta R.T. -0.01 min

Lab File: BG033228.D

Acq: 17 Mar 2018 11:15

Instrument :

BNA\_G

ClientSampleId :

PB107416BS

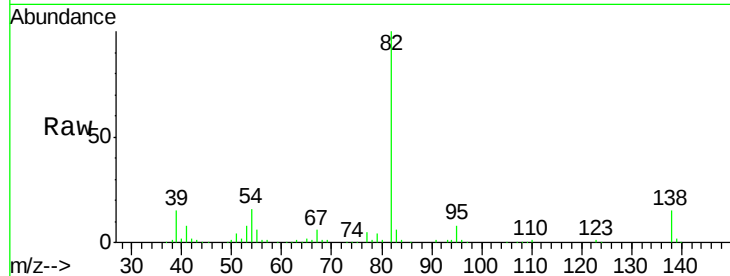
Tot Ion: 82 Resp: 230908

Ion Ratio Lower Upper

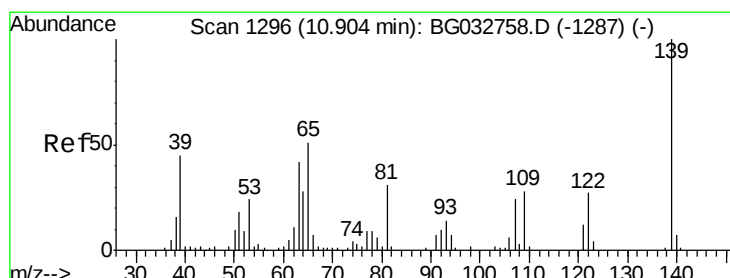
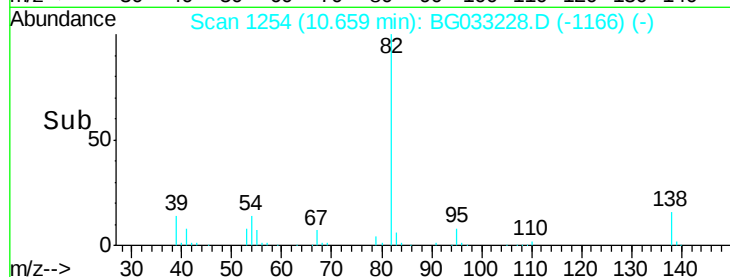
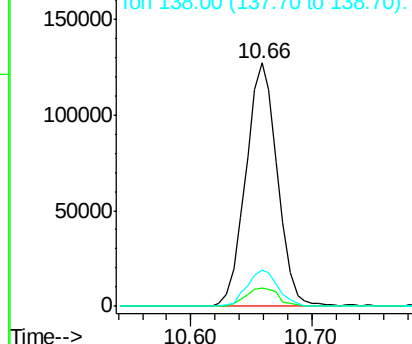
82 100

95 7.8 6.2 9.2

138 14.9 12.1 18.1



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: 60.370 ng

RT: 10.87 min Scan# 1290

Delta R.T. -0.00 min

Lab File: BG033228.D

Acq: 17 Mar 2018 11:15

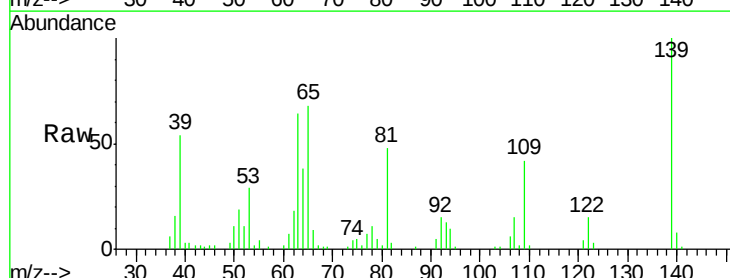
Tgt Ion: 139 Resp: 52392

Ion Ratio Lower Upper

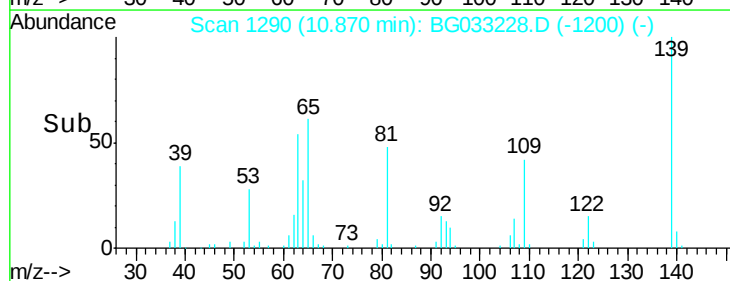
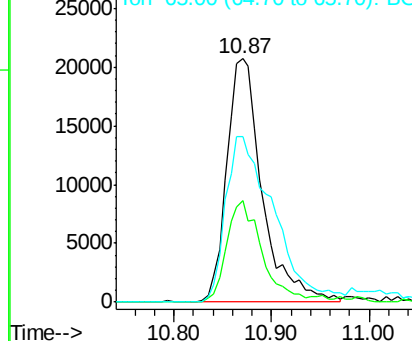
139 100

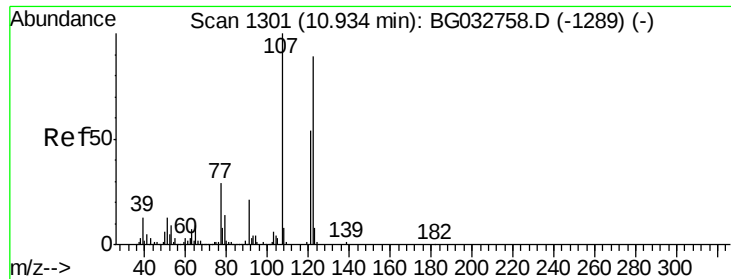
109 41.7 24.2 36.2#

65 68.0 47.4 71.0



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

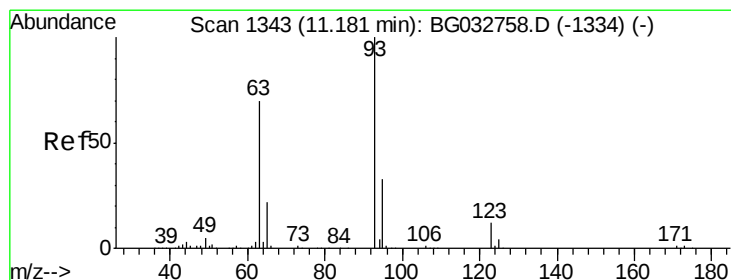
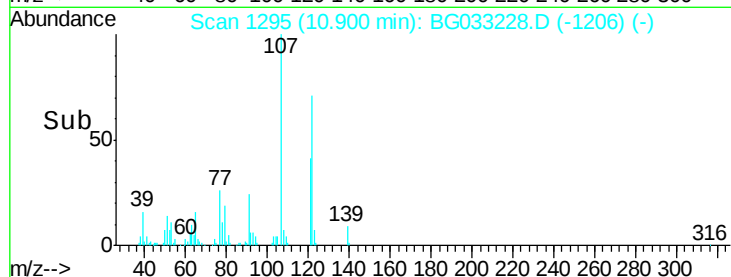
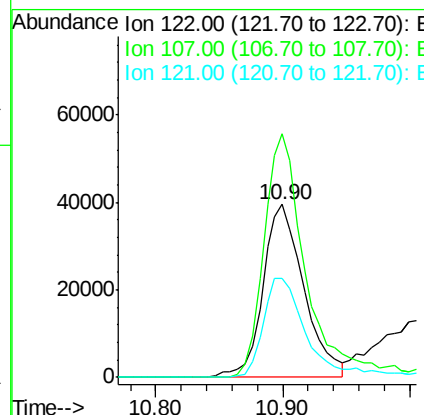
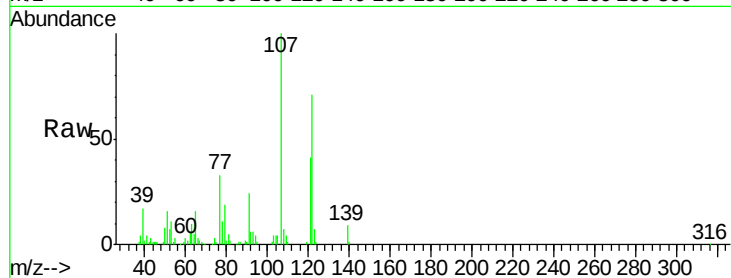




#27  
 2,4-Dimethylphenol  
 Concen: 41.287 ng  
 RT: 10.90 min Scan# 1295  
 Delta R.T. -0.01 min  
 Lab File: BG033228.D  
 Acq: 17 Mar 2018 11:15

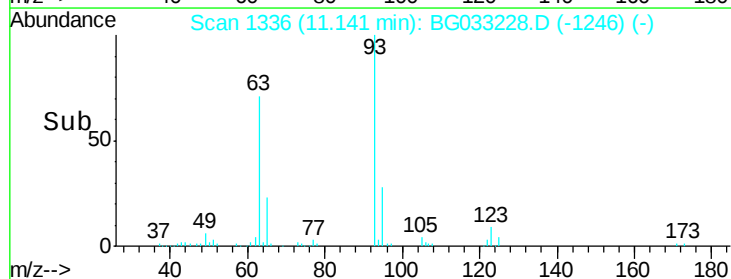
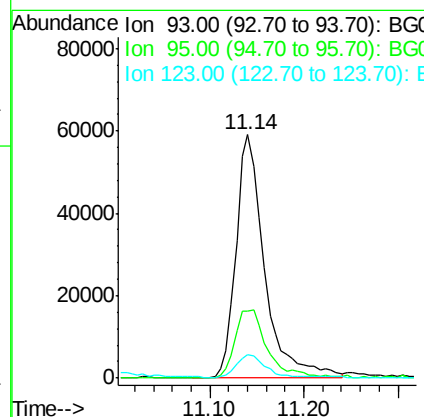
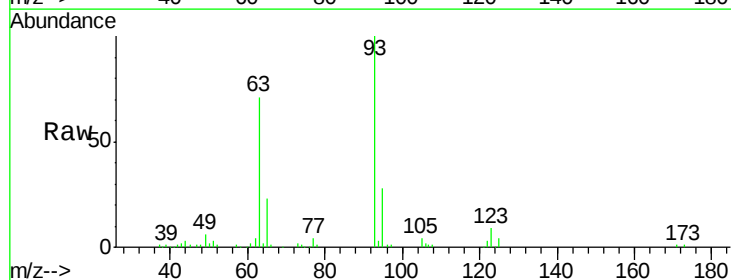
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB107416BS

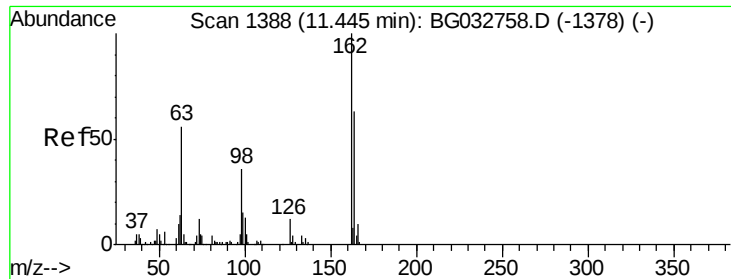
Tot Ion:122 Resp: 88770  
 Ion Ratio Lower Upper  
 122 100  
 107 141.0 100.2 150.2  
 121 57.2 44.4 66.6



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 43.330 ng  
 RT: 11.14 min Scan# 1336  
 Delta R.T. -0.00 min  
 Lab File: BG033228.D  
 Acq: 17 Mar 2018 11:15

Tgt Ion: 93 Resp: 124936  
 Ion Ratio Lower Upper  
 93 100  
 95 27.8 24.3 36.5  
 123 9.5 8.4 12.6

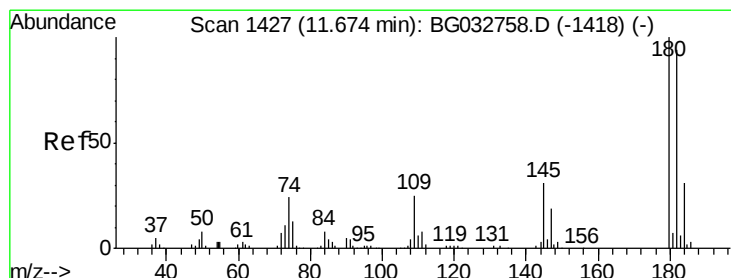
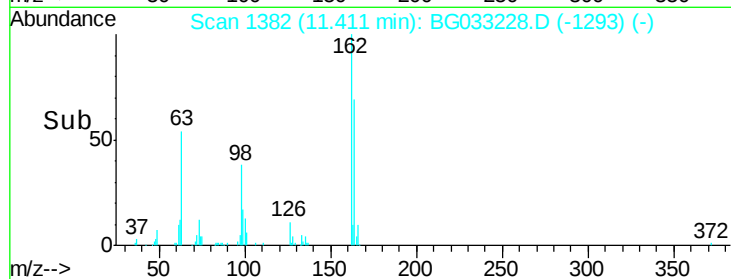
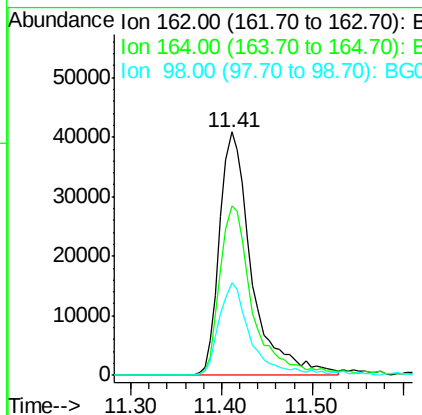
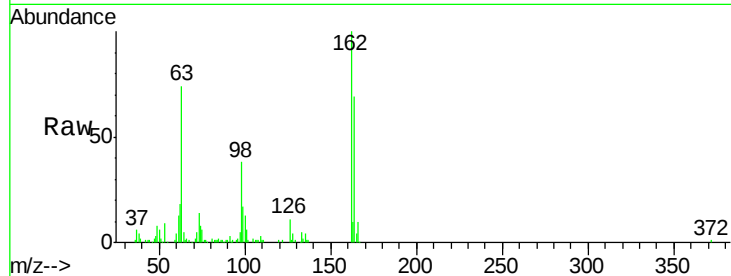




#29  
 2,4-Dichlorophenol  
 Concen: 51.845 ng  
 RT: 11.41 min Scan# 1382  
 Delta R.T. -0.01 min  
 Lab File: BG033228.D  
 Acq: 17 Mar 2018 11:15

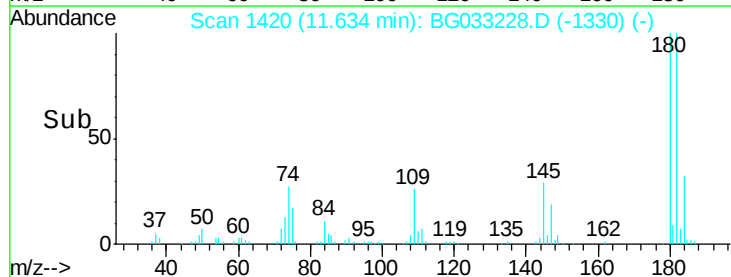
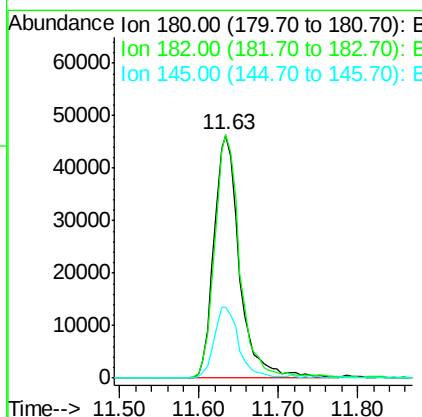
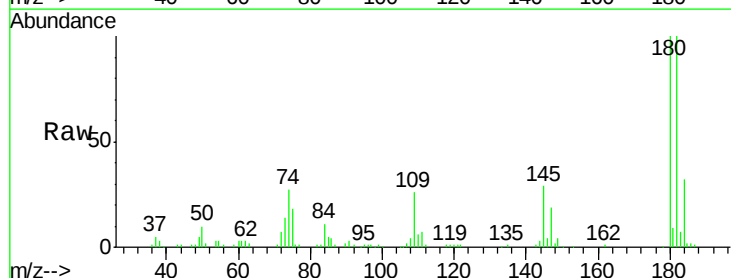
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB107416BS

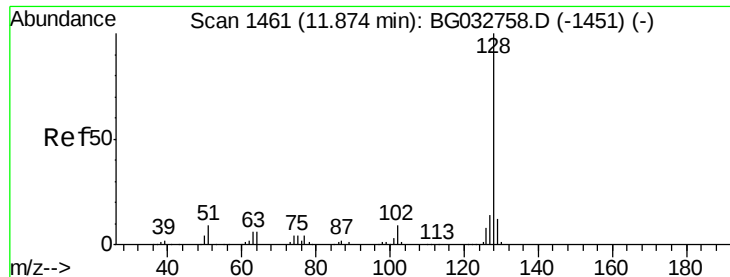
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 69.5  | 48.0  | 88.0  |
| 98      | 37.8  | 21.1  | 61.1  |



#30  
 1,2,4-Trichlorobenzene  
 Concen: 45.028 ng  
 RT: 11.63 min Scan# 1420  
 Delta R.T. -0.00 min  
 Lab File: BG033228.D  
 Acq: 17 Mar 2018 11:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 100.3 | 77.5  | 116.3 |
| 145     | 29.0  | 23.4  | 35.2  |

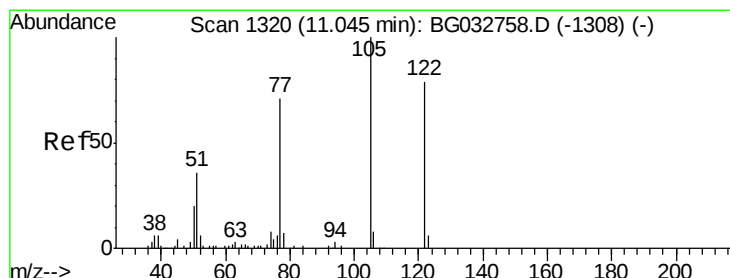
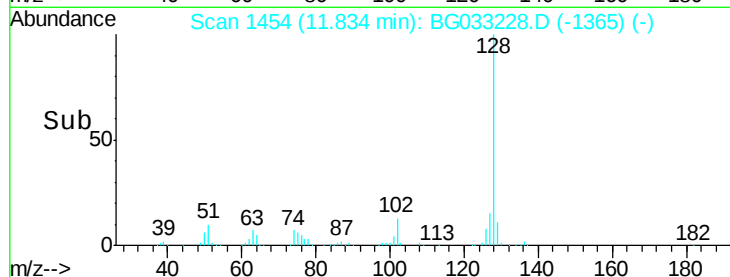
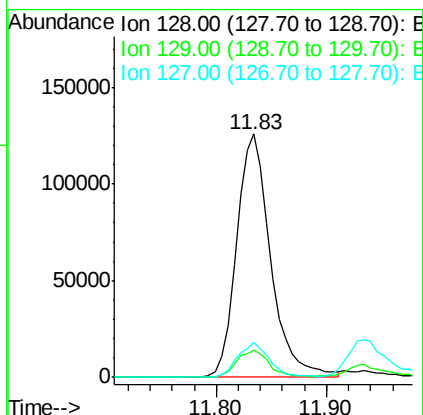
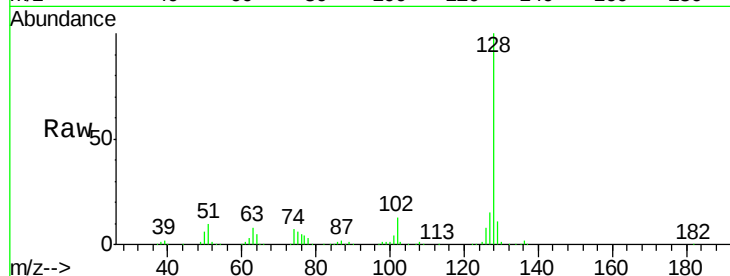




#31  
Naphthalene  
Concen: 36.884 ng  
RT: 11.83 min Scan# 1454  
Delta R.T. -0.01 min  
Lab File: BG033228.D  
Acq: 17 Mar 2018 11:15

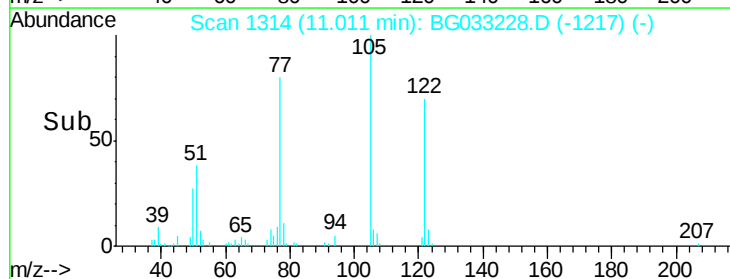
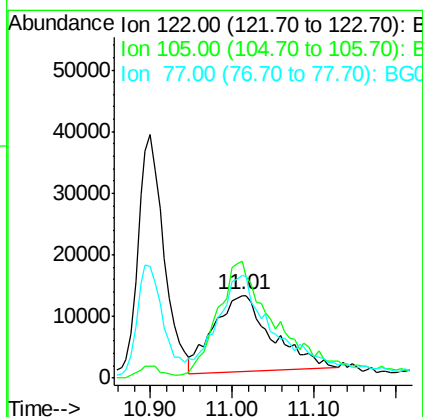
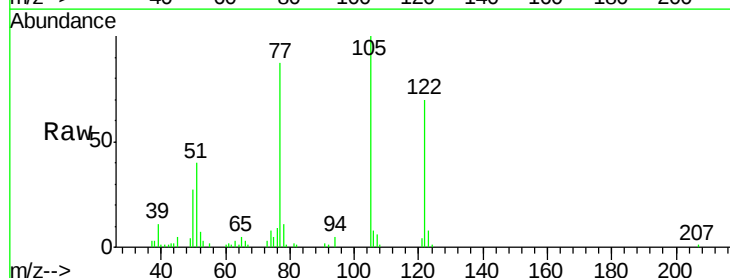
Instrument :  
BNA\_G  
ClientSampleId :  
PB107416BS

Tot Ion:128 Resp: 271773  
Ion Ratio Lower Upper  
128 100  
129 11.4 8.6 12.8  
127 14.5 11.6 17.4



#32  
Benzoic acid  
Concen: 46.057 ng  
RT: 11.01 min Scan# 1314  
Delta R.T. 0.04 min  
Lab File: BG033228.D  
Acq: 17 Mar 2018 11:15

Tgt Ion:122 Resp: 60538  
Ion Ratio Lower Upper  
122 100  
105 142.1 123.5 163.5  
77 124.2 85.7 125.7

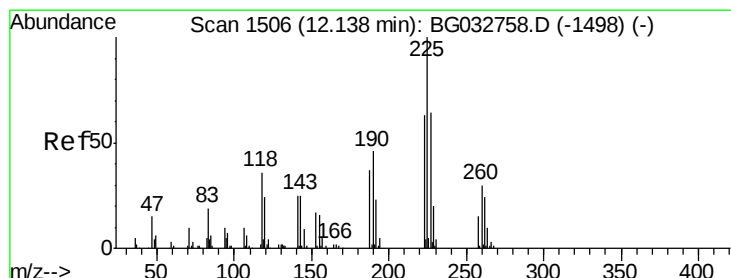
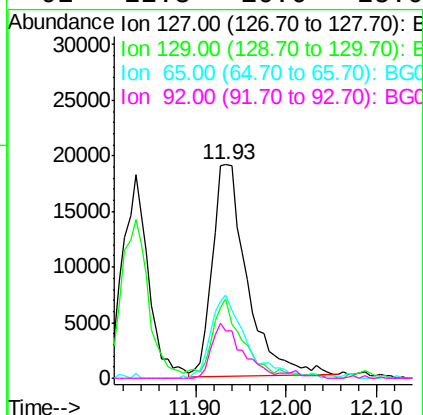
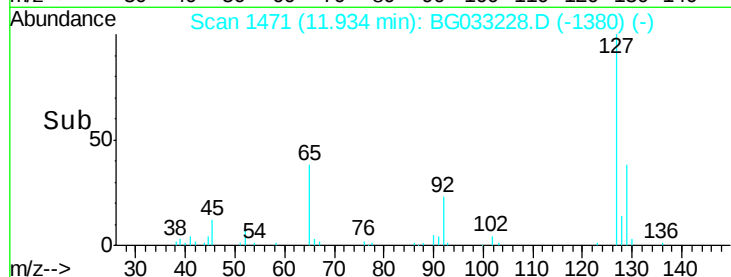
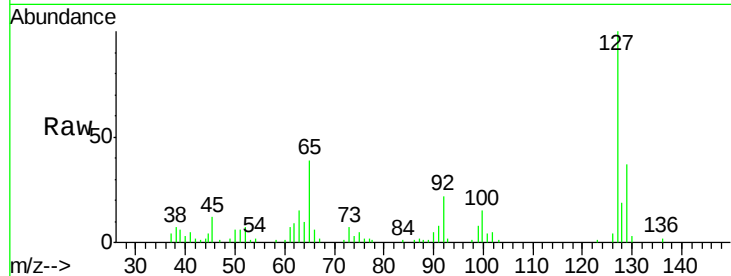




#33  
4-Chloroaniline  
Concen: 15.274 ng  
RT: 11.93 min Scan# 1471  
Delta R.T. 0.01 min  
Lab File: BG033228.D  
Acq: 17 Mar 2018 11:15

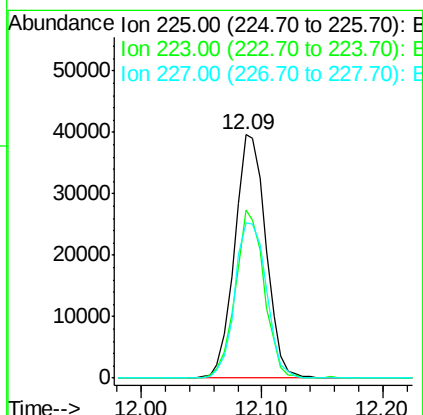
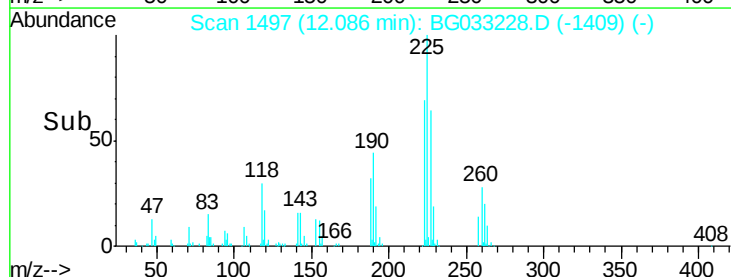
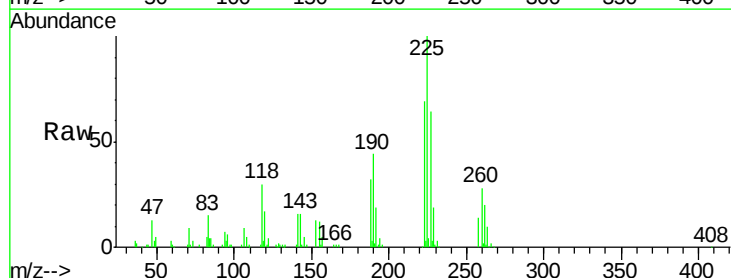
Instrument :  
BNA\_G  
ClientSampleId :  
PB107416BS

Tot Ion:127 Resp: 50323  
Ion Ratio Lower Upper  
127 100  
129 37.1 24.0 36.0#  
65 39.0 27.0 40.4  
92 22.3 16.6 25.0



#34  
Hexachlorobutadiene  
Concen: 55.772 ng  
RT: 12.09 min Scan# 1497  
Delta R.T. -0.01 min  
Lab File: BG033228.D  
Acq: 17 Mar 2018 11:15

Tgt Ion:225 Resp: 71560  
Ion Ratio Lower Upper  
225 100  
223 69.0 49.7 74.5  
227 63.6 48.1 72.1





#35

Caprolactam

Concen: 47.775 ng

RT: 12.67 min Scan# 1597

Delta R.T. -0.02 min

Lab File: BG033228.D

Acq: 17 Mar 2018 11:15

Instrument :

BNA\_G

ClientSampleId :

PB107416BS

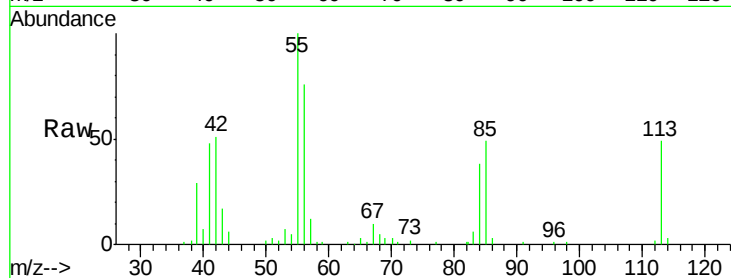
Tot Ion:113 Resp: 37330

Ion Ratio Lower Upper

113 100

55 206.1 186.9 226.9

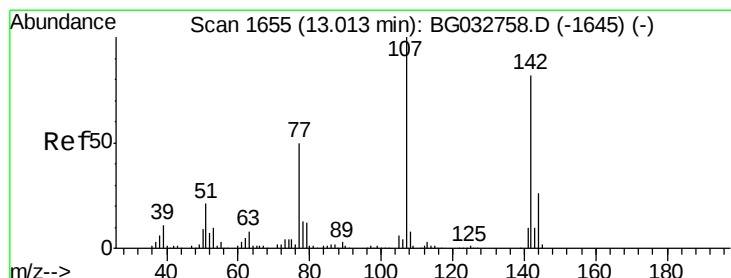
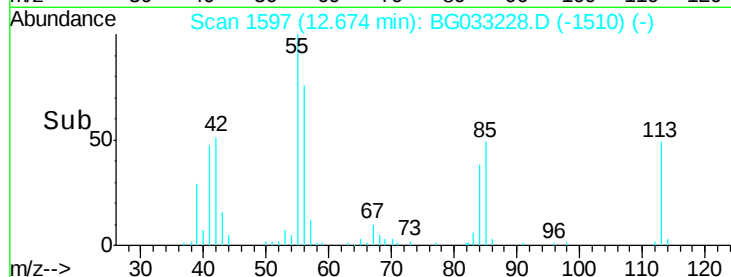
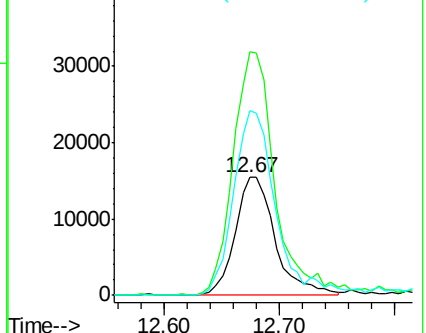
56 156.4 130.9 170.9



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC



#36

4-Chloro-3-methylphenol

Concen: 59.854 ng

RT: 12.99 min Scan# 1651

Delta R.T. -0.01 min

Lab File: BG033228.D

Acq: 17 Mar 2018 11:15

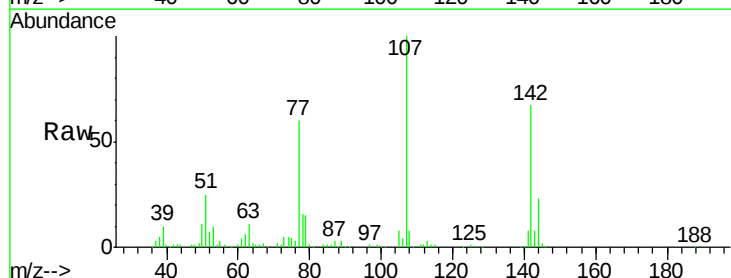
Tgt Ion:107 Resp: 135922

Ion Ratio Lower Upper

107 100

144 23.0 18.2 27.4

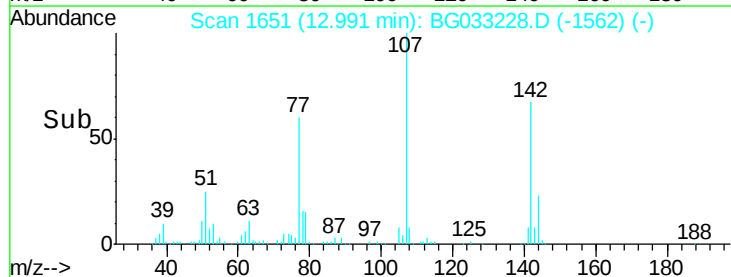
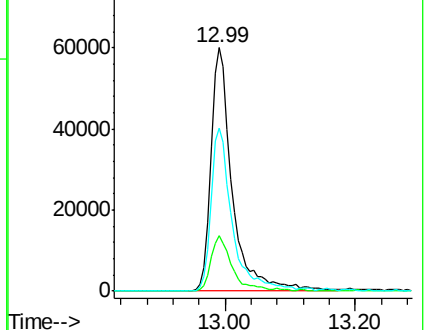
142 67.1 59.0 88.4

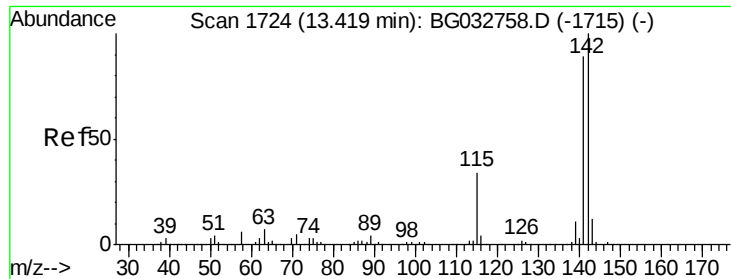


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

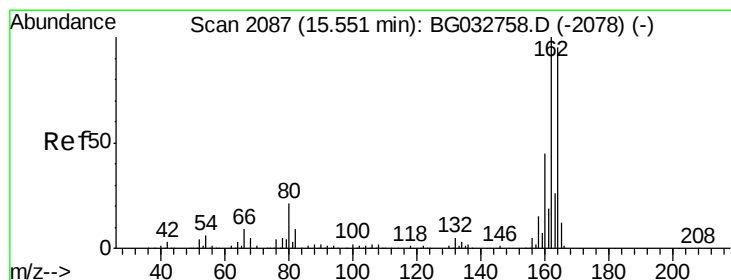
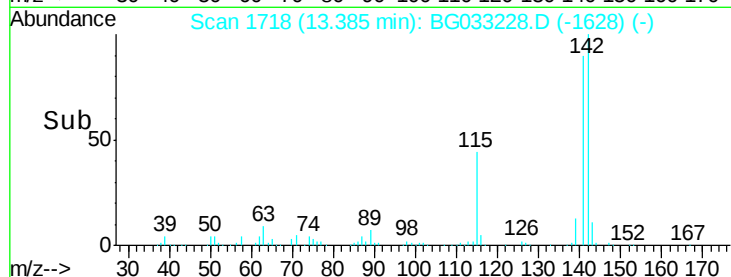
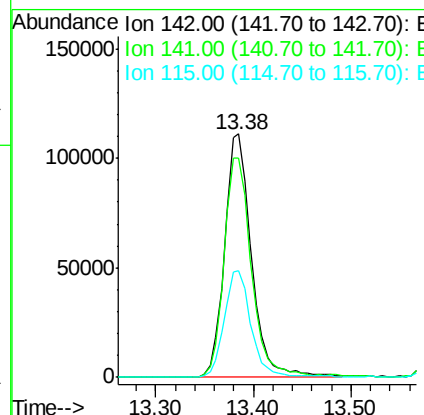
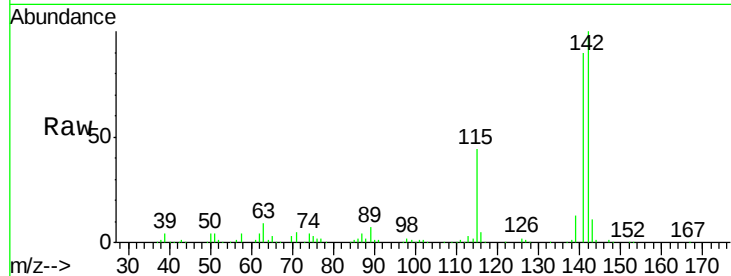




#37  
 2-Methylnaphthalene  
 Concen: 39.835 ng  
 RT: 13.38 min Scan# 1718  
 Delta R.T. -0.00 min  
 Lab File: BG033228.D  
 Acq: 17 Mar 2018 11:15

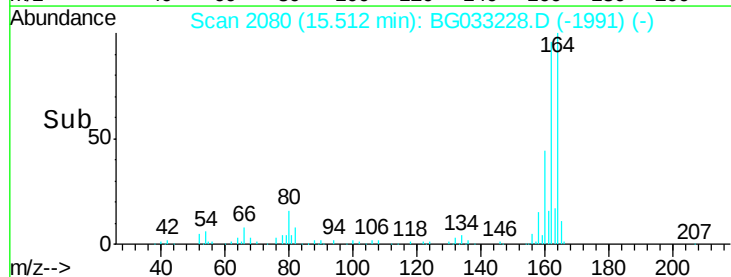
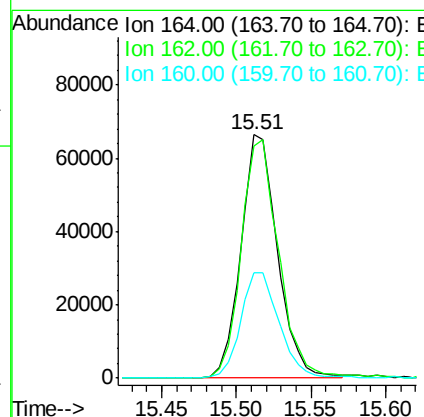
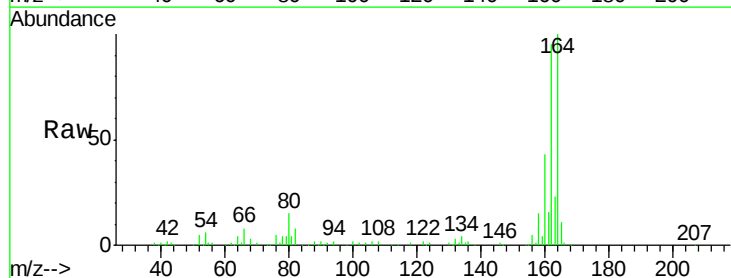
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB107416BS

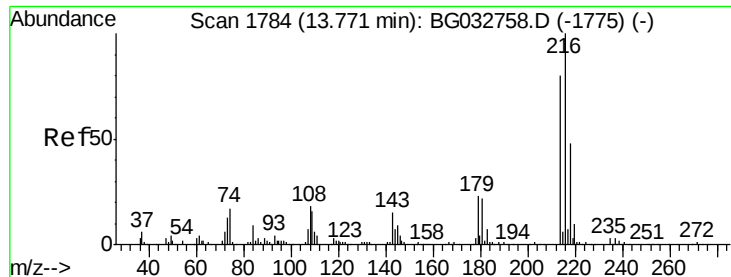
Tot Ion:142 Resp: 212355  
 Ion Ratio Lower Upper  
 142 100  
 141 90.0 67.1 100.7  
 115 43.7 30.7 46.1



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 15.51 min Scan# 2080  
 Delta R.T. -0.01 min  
 Lab File: BG033228.D  
 Acq: 17 Mar 2018 11:15

Tgt Ion:164 Resp: 112620  
 Ion Ratio Lower Upper  
 164 100  
 162 95.2 78.8 118.2  
 160 43.2 35.4 53.0





#39

1,2,4,5-Tetrachlorobenzene

Concen: 42.011 ng

RT: 13.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: BG033228.D

Acq: 17 Mar 2018 11:15

Instrument :

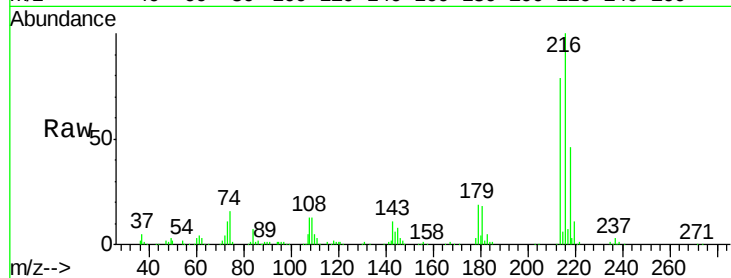
BNA\_G

ClientSampleId :

PB107416BS

Tot Ion:216 Resp: 140451

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 216 | 100   |       |       |
| 214 | 79.4  | 63.0  | 94.4  |
| 179 | 19.8  | 17.0  | 25.6  |
| 108 | 17.3  | 12.8  | 19.2  |

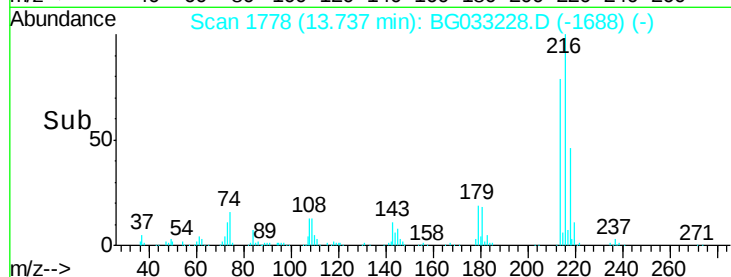


Abundance Ion 216.00 (215.70 to 216.70): E

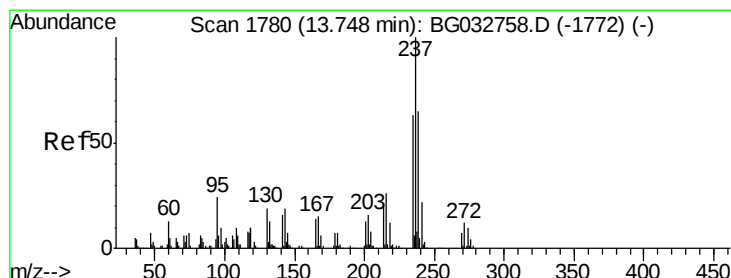
Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



Time--> 13.60 13.70 13.80 13.90



#40

Hexachlorocyclopentadiene

Concen: 102.174 ng

RT: 13.71 min Scan# 1773

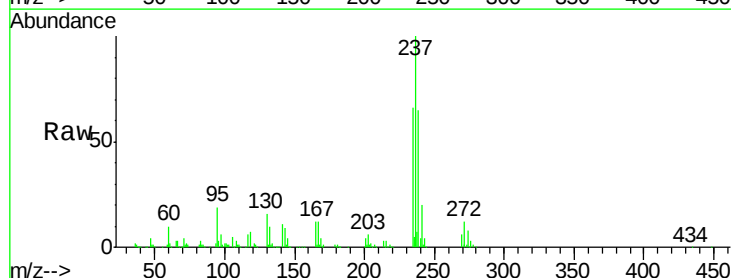
Delta R.T. -0.01 min

Lab File: BG033228.D

Acq: 17 Mar 2018 11:15

Tgt Ion:237 Resp: 174084

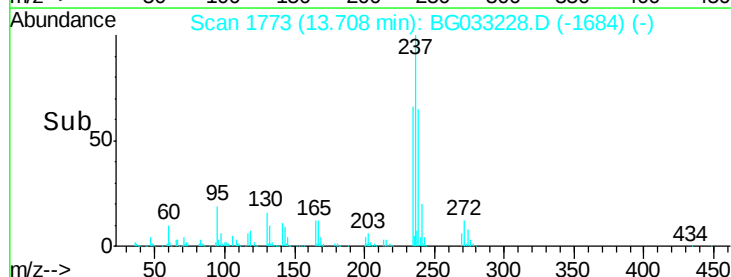
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 237 | 100   |       |       |
| 235 | 65.7  | 50.4  | 90.4  |
| 272 | 12.2  | 0.0   | 31.8  |



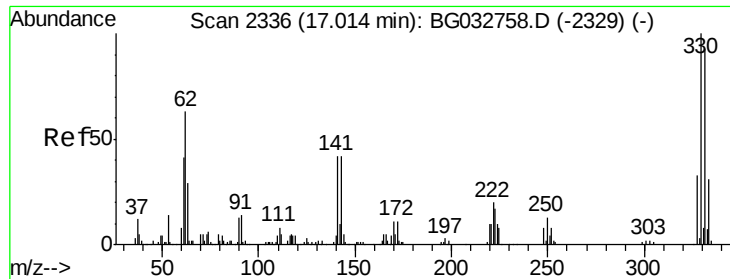
Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



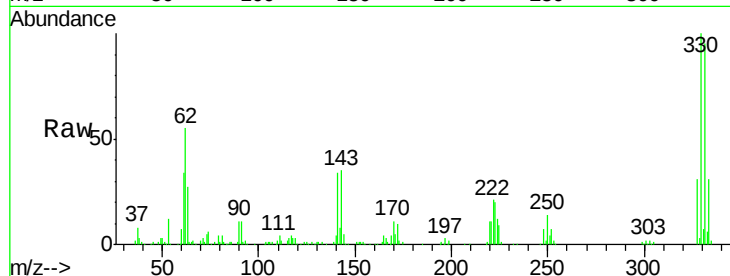
Time--> 13.70 13.80



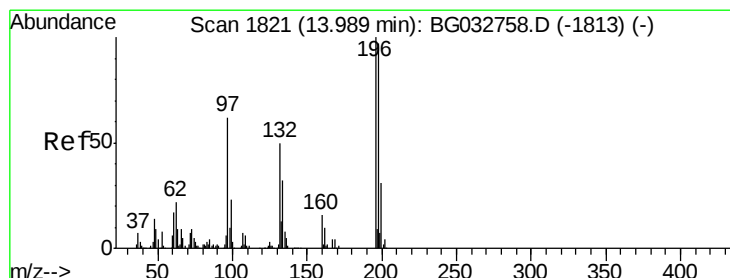
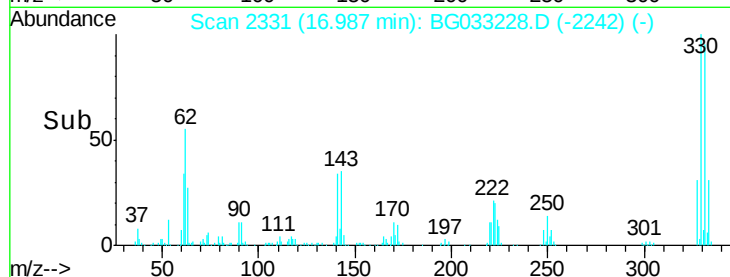
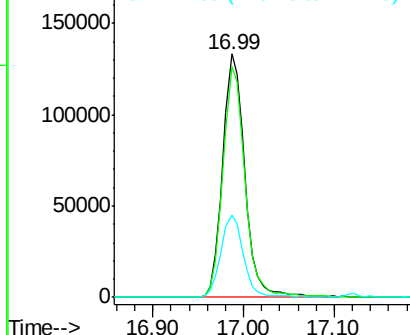
#41  
 2,4,6-Tribromophenol  
 Concen: 190.331 ng  
 RT: 16.99 min Scan# 2331  
 Delta R.T. -0.01 min  
 Lab File: BG033228.D  
 Acq: 17 Mar 2018 11:15

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB107416BS

Tot Ion:330 Resp: 225383  
 Ion Ratio Lower Upper  
 330 100  
 332 94.8 77.0 115.6  
 141 34.4 25.2 37.8

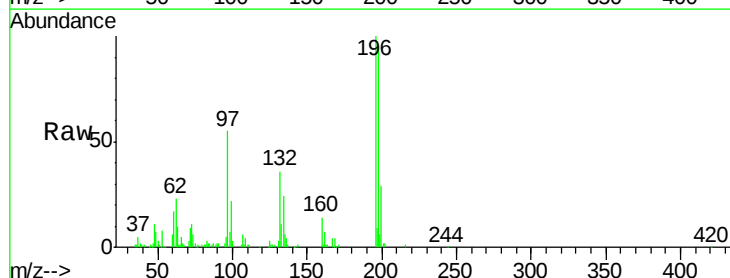


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

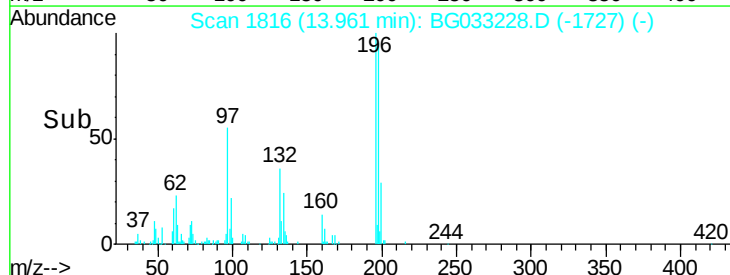
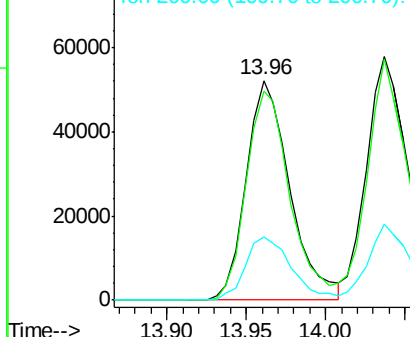


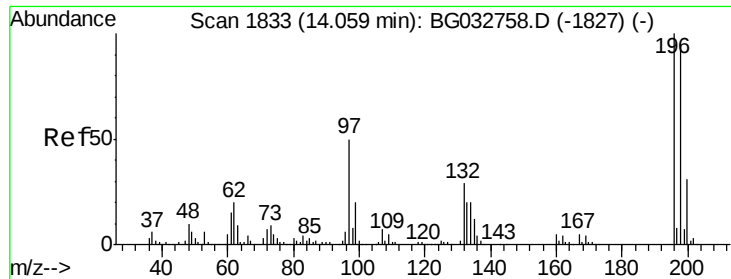
#42  
 2,4,6-Trichlorophenol  
 Concen: 47.555 ng  
 RT: 13.96 min Scan# 1816  
 Delta R.T. -0.01 min  
 Lab File: BG033228.D  
 Acq: 17 Mar 2018 11:15

Tgt Ion:196 Resp: 100261  
 Ion Ratio Lower Upper  
 196 100  
 198 95.1 78.2 117.2  
 200 29.0 24.6 36.8



Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 200.00 (199.70 to 200.70): E

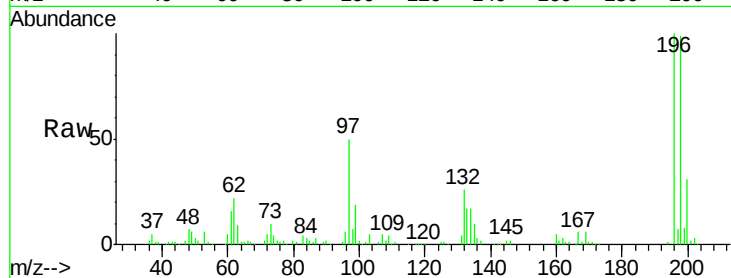




#43  
 2,4,5-Trichlorophenol  
 Concen: 44.471 ng  
 RT: 14.04 min Scan# 1829  
 Delta R.T. -0.01 min  
 Lab File: BG033228.D  
 Acq: 17 Mar 2018 11:15

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB107416BS

| Tot Ion   | 196   | Resp  | 108516 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 196       | 100   |       |        |
| 198       | 99.0  | 76.2  | 114.4  |
| 97        | 50.3  | 38.7  | 58.1   |
| 132       | 25.8  | 20.2  | 30.2   |



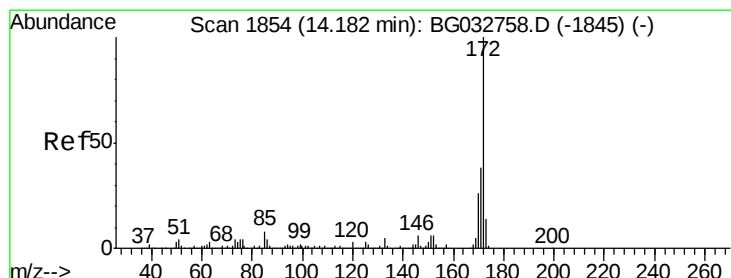
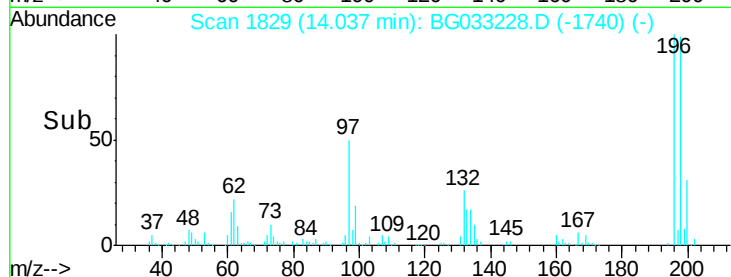
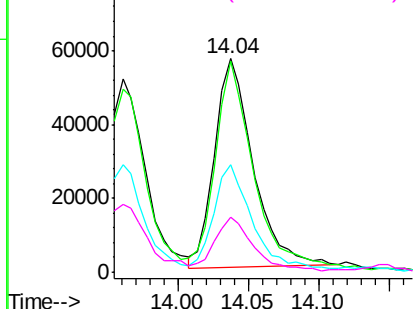
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

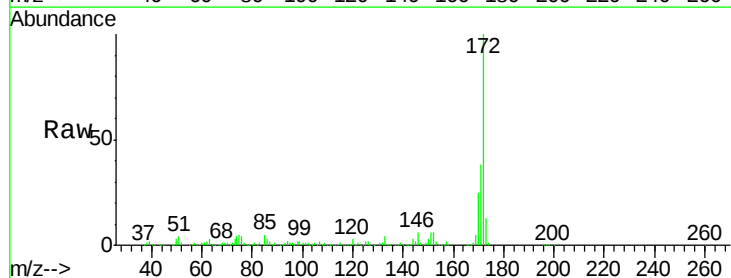
Ion 97.00 (96.70 to 97.70): BG

Ion 132.00 (131.70 to 132.70): E



#44  
 2-Fluorobiphenyl  
 Concen: 81.020 ng  
 RT: 14.14 min Scan# 1847  
 Delta R.T. -0.00 min  
 Lab File: BG033228.D  
 Acq: 17 Mar 2018 11:15

| Tgt Ion   | 172   | Resp  | 632655 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 172       | 100   |       |        |
| 171       | 37.6  | 30.0  | 45.0   |
| 170       | 25.1  | 19.5  | 29.3   |

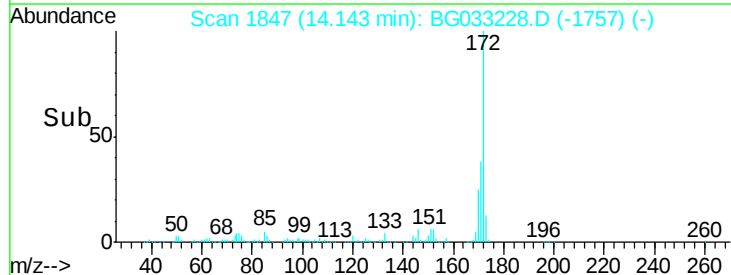
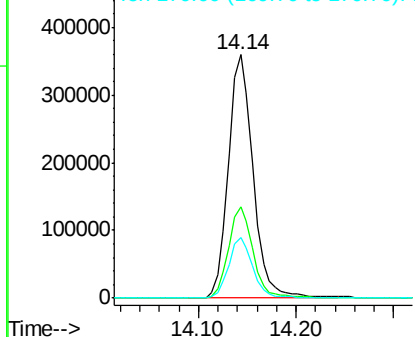


Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

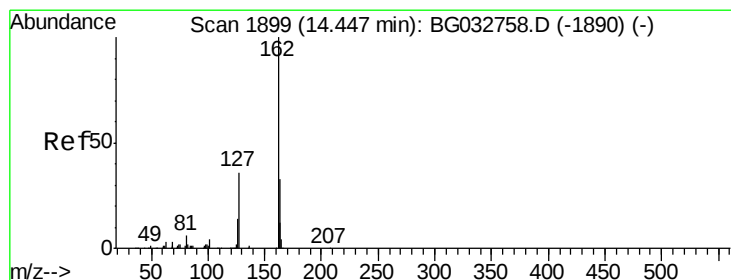
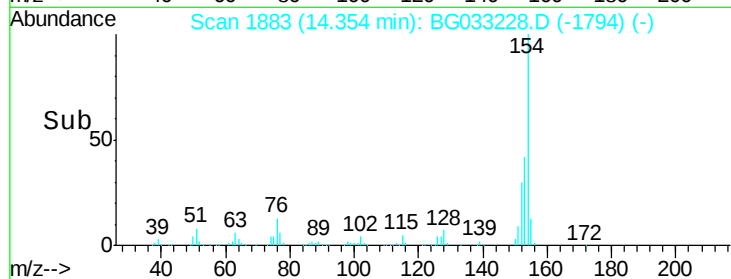
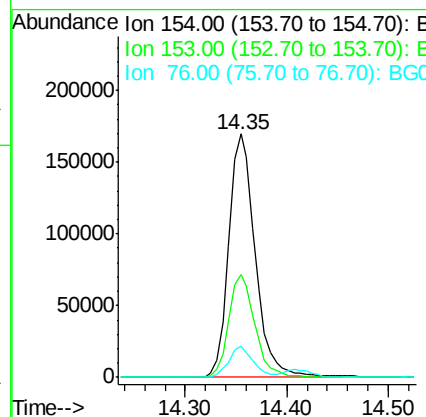
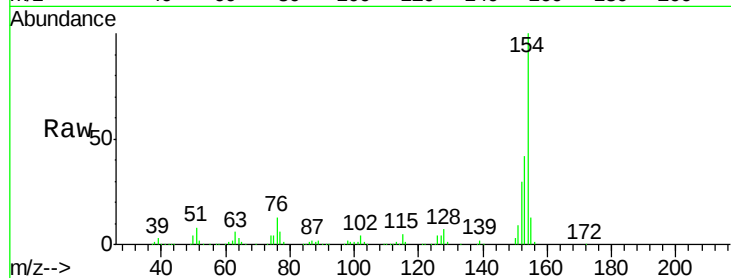




#45  
 1,1'-Biphenyl  
 Concen: 31.182 ng  
 RT: 14.35 min Scan# 1883  
 Delta R.T. -0.01 min  
 Lab File: BG033228.D  
 Acq: 17 Mar 2018 11:15

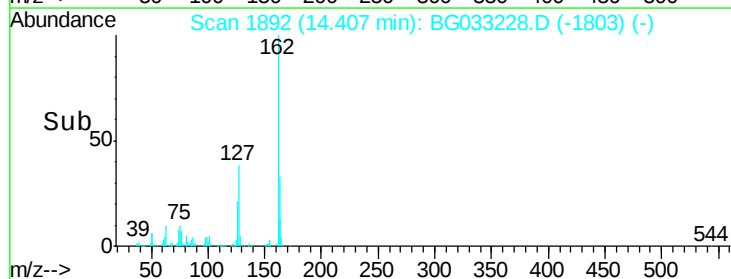
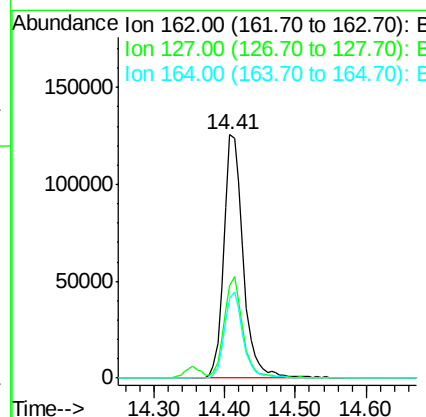
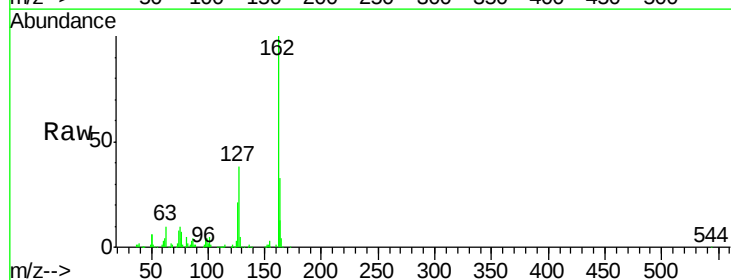
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB107416BS

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 154   | Resp: | 306873 |
| Ion      | Ratio | Lower | Upper  |
| 154      | 100   |       |        |
| 153      | 42.1  | 19.8  | 59.8   |
| 76       | 12.6  | 0.0   | 31.9   |



#46  
 2-Chloronaphthalene  
 Concen: 32.559 ng  
 RT: 14.41 min Scan# 1892  
 Delta R.T. -0.01 min  
 Lab File: BG033228.D  
 Acq: 17 Mar 2018 11:15

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 162   | Resp: | 239354 |
| Ion      | Ratio | Lower | Upper  |
| 162      | 100   |       |        |
| 127      | 38.1  | 30.7  | 46.1   |
| 164      | 32.6  | 26.0  | 39.0   |

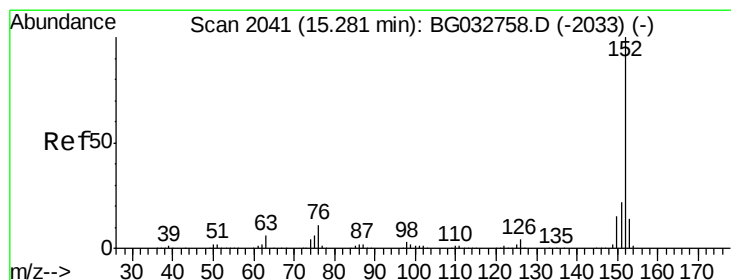
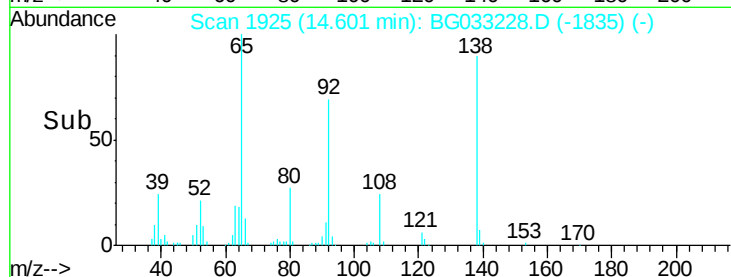
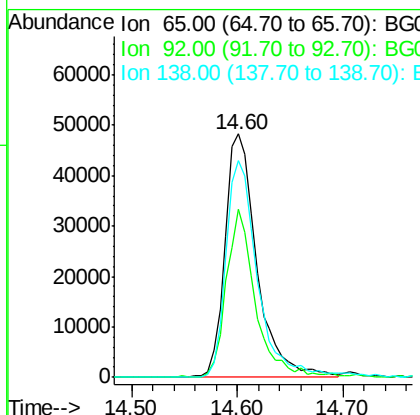
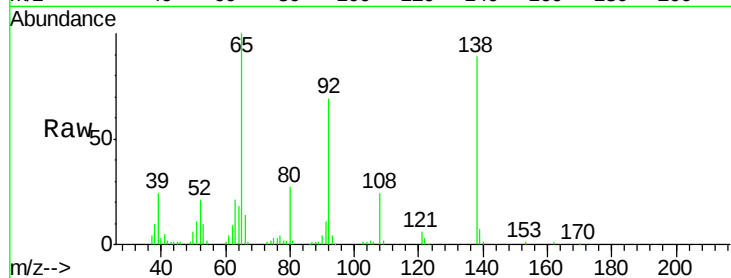




#47  
2-Nitroaniline  
Concen: 53.090 ng  
RT: 14.60 min Scan# 1925  
Delta R.T. -0.00 min  
Lab File: BG033228.D  
Acq: 17 Mar 2018 11:15

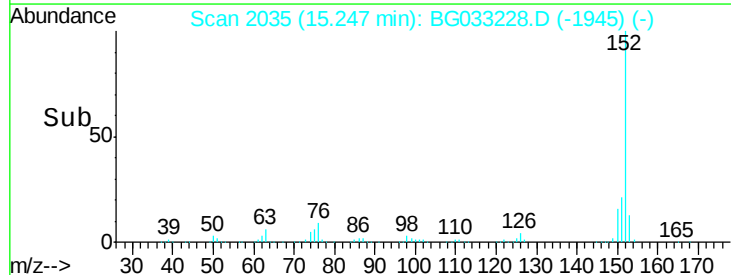
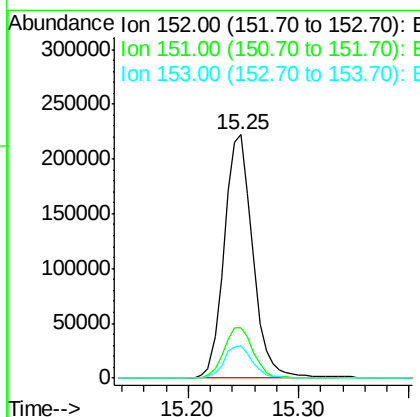
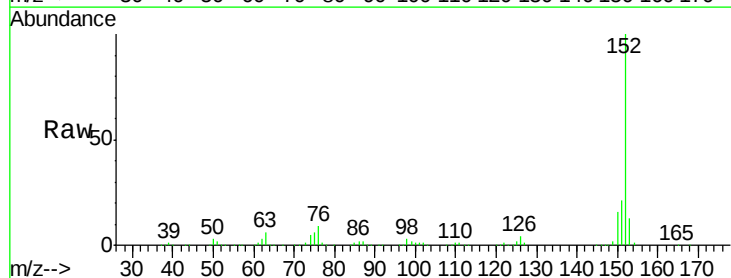
Instrument :  
BNA\_G  
ClientSampleId :  
PB107416BS

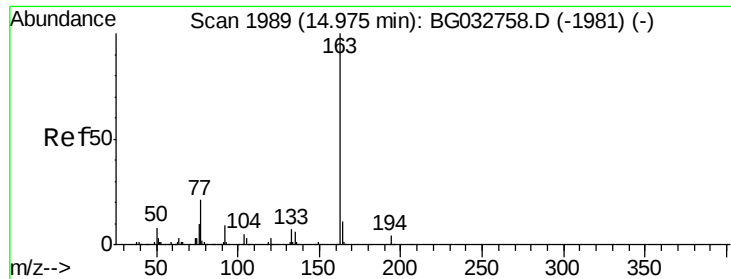
Tot Ion: 65 Resp: 100860  
Ion Ratio Lower Upper  
65 100  
92 69.0 54.6 82.0  
138 89.2 72.9 109.3



#48  
Acenaphthylene  
Concen: 33.354 ng  
RT: 15.25 min Scan# 2035  
Delta R.T. -0.00 min  
Lab File: BG033228.D  
Acq: 17 Mar 2018 11:15

Tgt Ion: 152 Resp: 401436  
Ion Ratio Lower Upper  
152 100  
151 20.5 17.2 25.8  
153 13.2 10.2 15.4

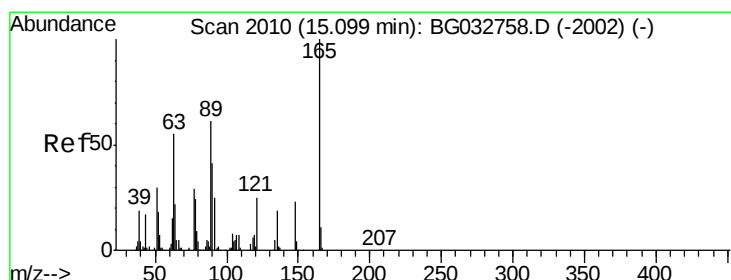
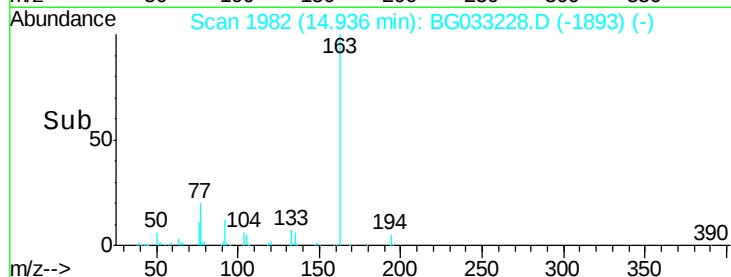
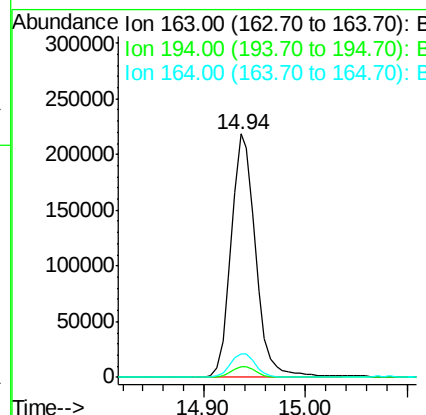
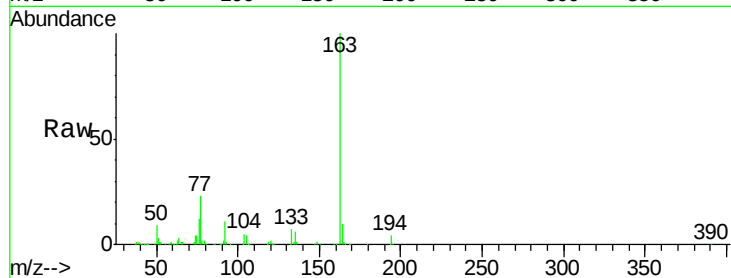




#49  
Dimethylphthalate  
Concen: 38.316 ng  
RT: 14.94 min Scan# 1982  
Delta R.T. -0.01 min  
Lab File: BG033228.D  
Acq: 17 Mar 2018 11:15

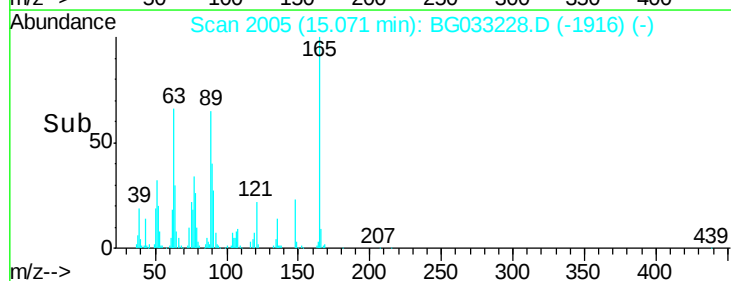
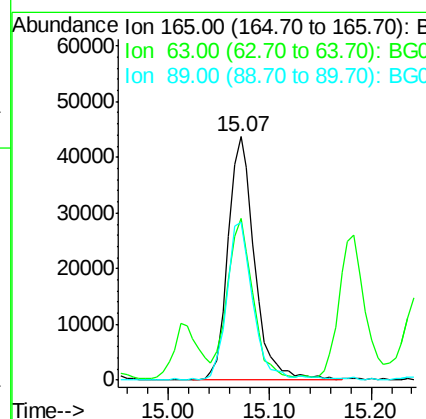
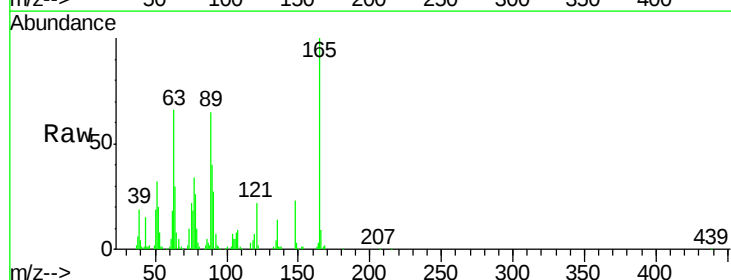
Instrument :  
BNA\_G  
ClientSampleId :  
PB107416BS

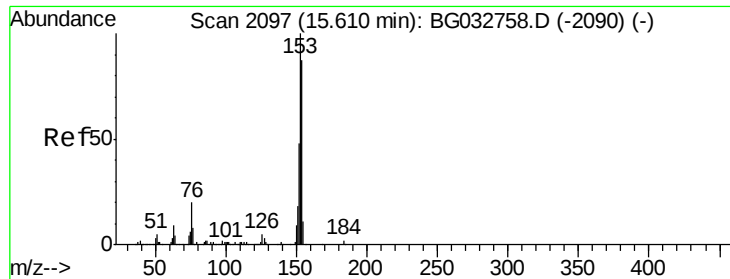
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 4.2   | 3.4   | 5.2   |
| 164     | 9.8   | 8.2   | 12.4  |



#50  
2,6-Dinitrotoluene  
Concen: 49.651 ng  
RT: 15.07 min Scan# 2005  
Delta R.T. -0.01 min  
Lab File: BG033228.D  
Acq: 17 Mar 2018 11:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 66.5  | 52.7  | 79.1  |
| 89      | 64.8  | 49.2  | 73.8  |





#51

Acenaphthene

Concen: 39.770 ng

RT: 15.58 min Scan# 2091

Delta R.T. -0.01 min

Lab File: BG033228.D

Acq: 17 Mar 2018 11:15

Instrument :

BNA\_G

ClientSampleId :

PB107416BS

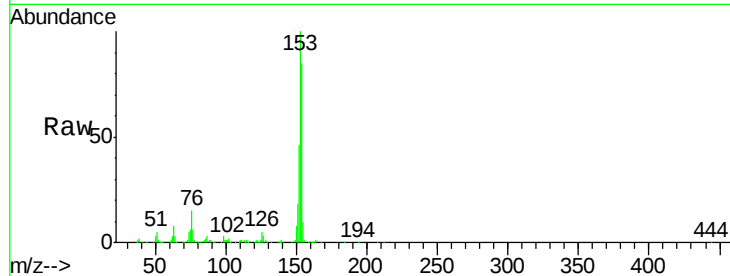
Tot Ion:154 Resp: 298104

Ion Ratio Lower Upper

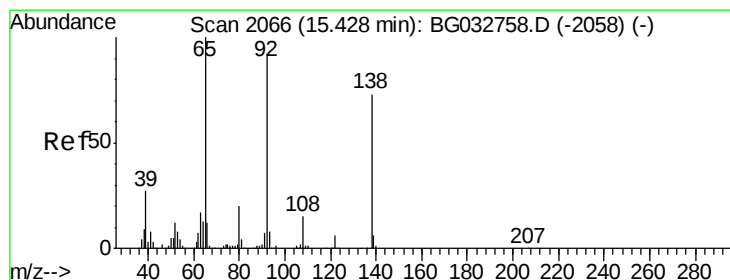
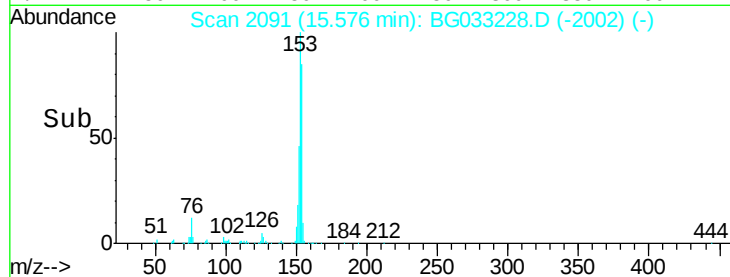
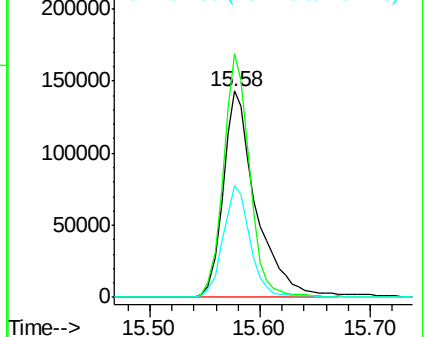
154 100

153 118.2 90.4 135.6

152 54.6 41.6 62.4



Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 26.271 ng

RT: 15.41 min Scan# 2062

Delta R.T. -0.01 min

Lab File: BG033228.D

Acq: 17 Mar 2018 11:15

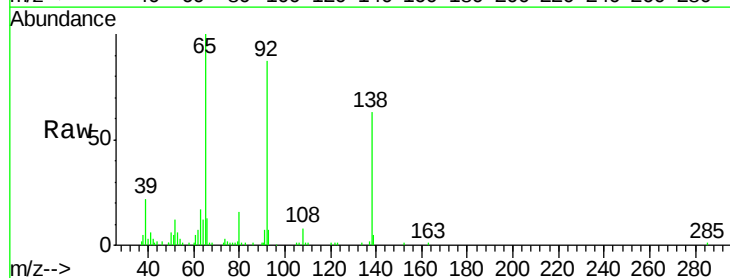
Tgt Ion:138 Resp: 43507

Ion Ratio Lower Upper

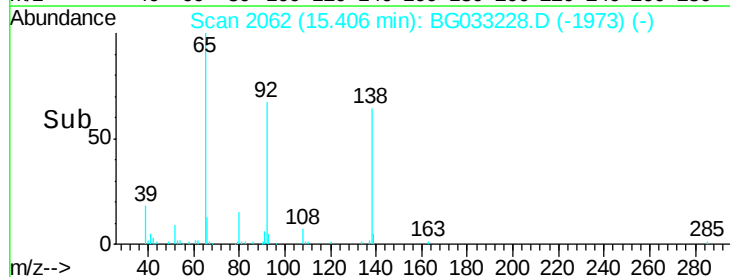
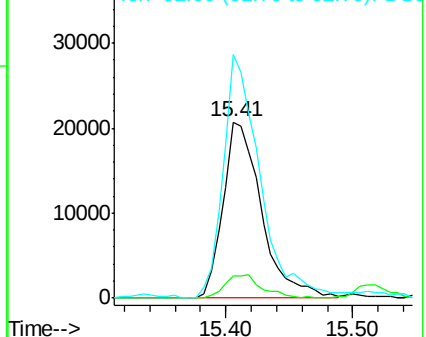
138 100

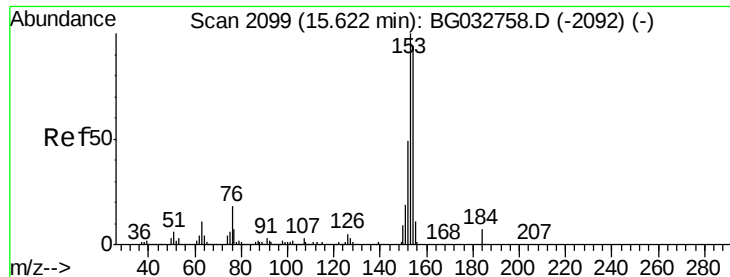
108 12.6 17.5 26.3#

92 138.0 105.8 158.8



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

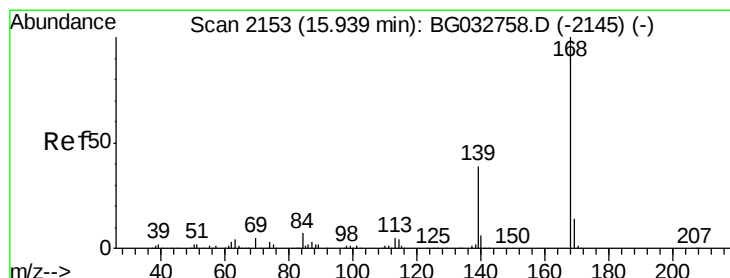
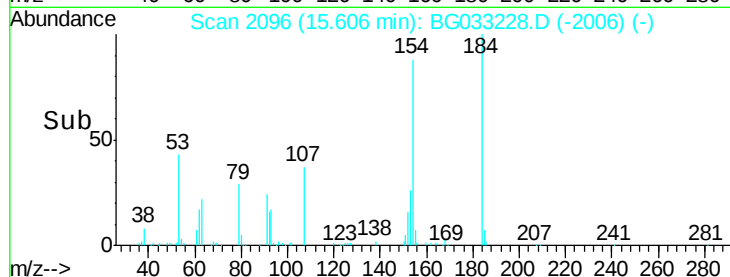
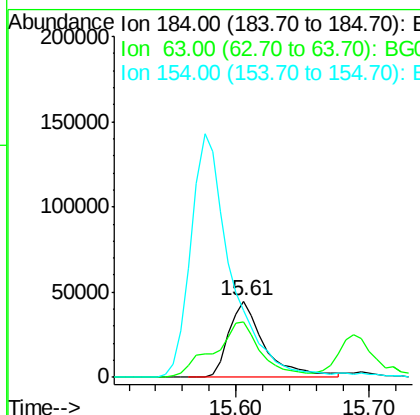
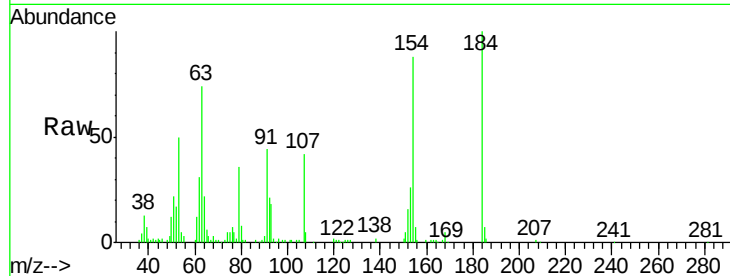




#53  
2,4-Dinitrophenol  
Concen: 133.517 ng  
RT: 15.61 min Scan# 2096  
Delta R.T. -0.00 min  
Lab File: BG033228.D  
Acq: 17 Mar 2018 11:15

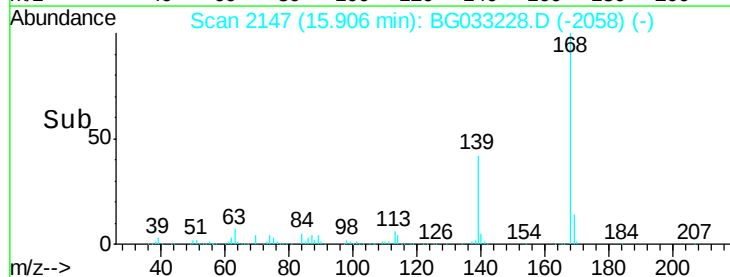
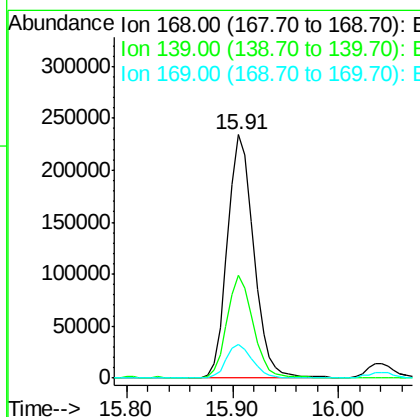
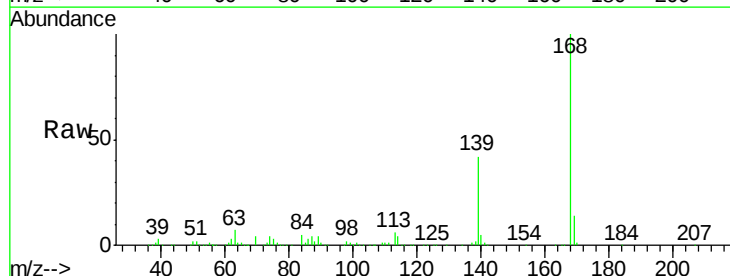
Instrument :  
BNA\_G  
ClientSampleId :  
PB107416BS

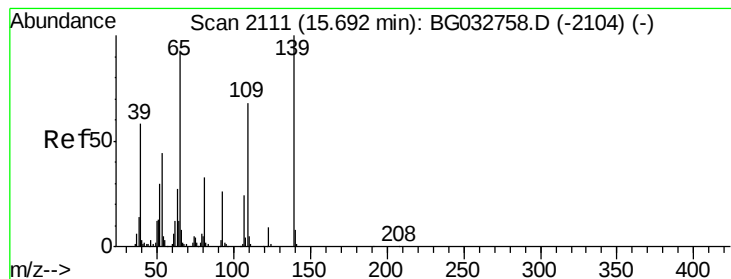
Tot Ion:184 Resp: 83645  
Ion Ratio Lower Upper  
184 100  
63 73.7 59.8 89.8  
154 88.1 101.8 152.8#



#54  
Dibenzofuran  
Concen: 37.731 ng  
RT: 15.91 min Scan# 2147  
Delta R.T. -0.01 min  
Lab File: BG033228.D  
Acq: 17 Mar 2018 11:15

Tgt Ion:168 Resp: 402707  
Ion Ratio Lower Upper  
168 100  
139 42.4 28.6 43.0  
169 13.9 11.2 16.8





#55

4-Nitrophenol

Concen: 77.492 ng

RT: 15.69 min Scan# 2110

Delta R.T. -0.01 min

Lab File: BG033228.D

Acq: 17 Mar 2018 11:15

Instrument :

BNA\_G

ClientSampleId :

PB107416BS

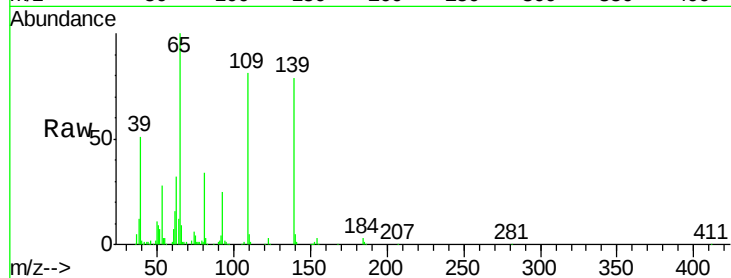
Tot Ion:139 Resp: 120965

Ion Ratio Lower Upper

139 100

109 103.0 62.2 102.2#

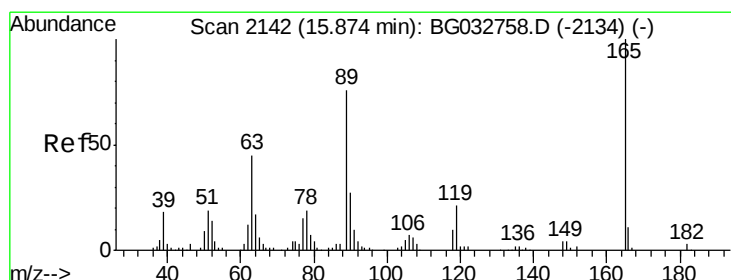
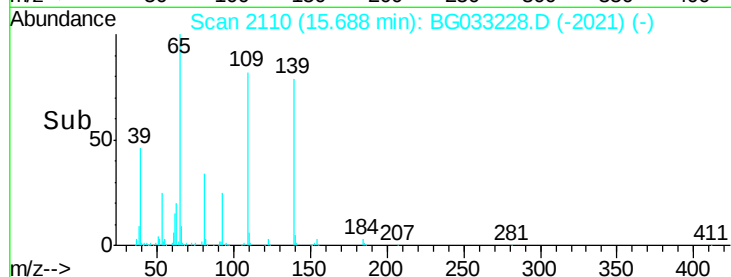
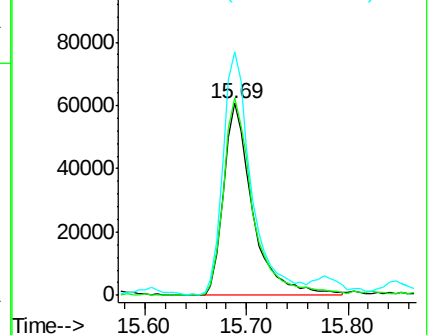
65 126.7 97.2 137.2



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC



#56

2,4-Dinitrotoluene

Concen: 60.062 ng

RT: 15.85 min Scan# 2137

Delta R.T. -0.01 min

Lab File: BG033228.D

Acq: 17 Mar 2018 11:15

Tgt Ion:165 Resp: 118982

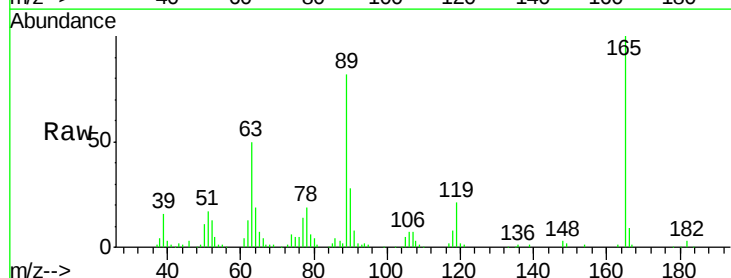
Ion Ratio Lower Upper

165 100

63 49.8 42.0 63.0

89 82.1 66.9 100.3

182 3.5 2.6 3.8

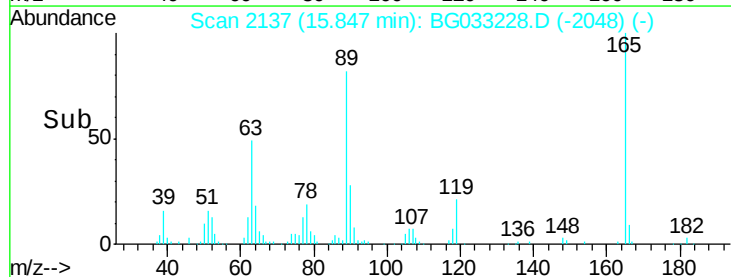
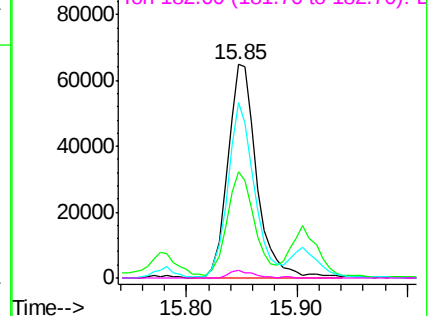


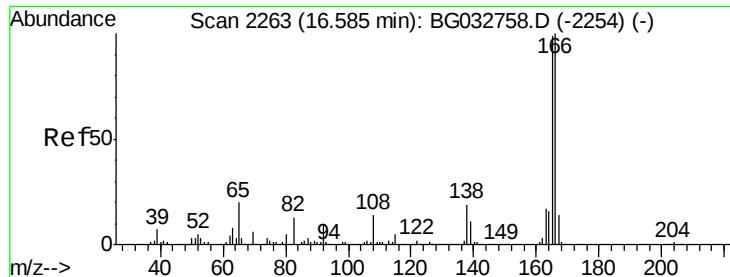
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 39.295 ng

RT: 16.55 min Scan# 2257

Delta R.T. 0.00 min

Lab File: BG033228.D

Acq: 17 Mar 2018 11:15

Instrument :

BNA\_G

ClientSampleId :

PB107416BS

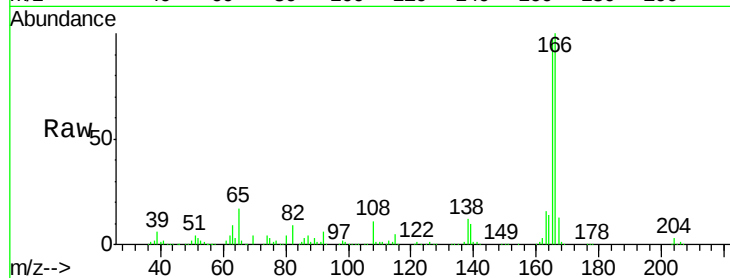
Tot Ion:166 Resp: 346156

Ion Ratio Lower Upper

166 100

165 97.4 80.6 121.0

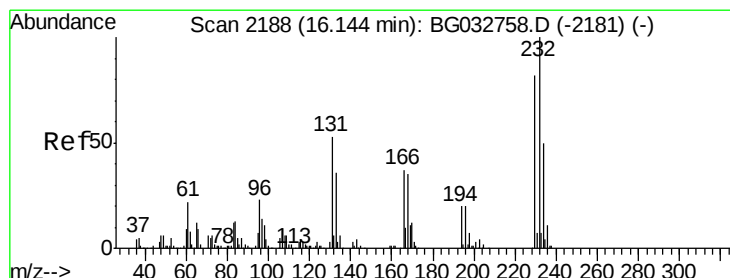
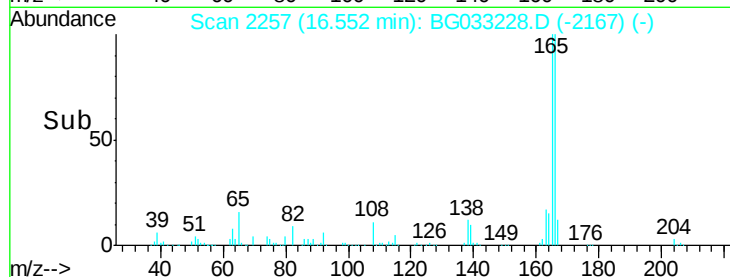
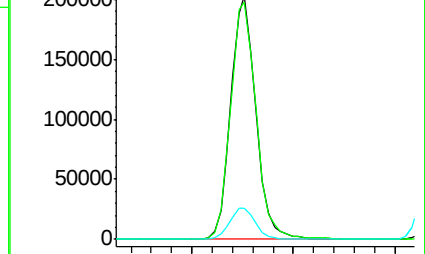
167 13.0 10.4 15.6



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 64.786 ng

RT: 16.12 min Scan# 2184

Delta R.T. -0.00 min

Lab File: BG033228.D

Acq: 17 Mar 2018 11:15

Tgt Ion:232 Resp: 122738

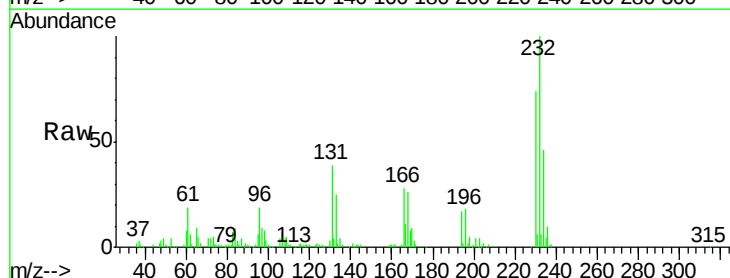
Ion Ratio Lower Upper

232 100

131 37.6 33.5 50.3

130 2.5 2.2 3.2

166 28.4 24.8 37.2

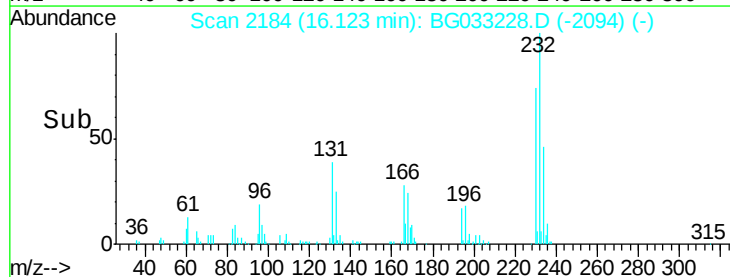
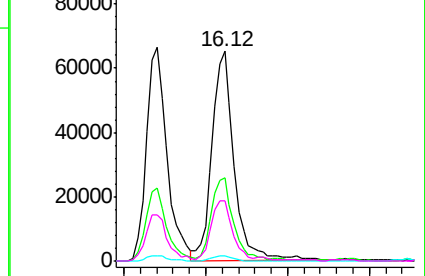


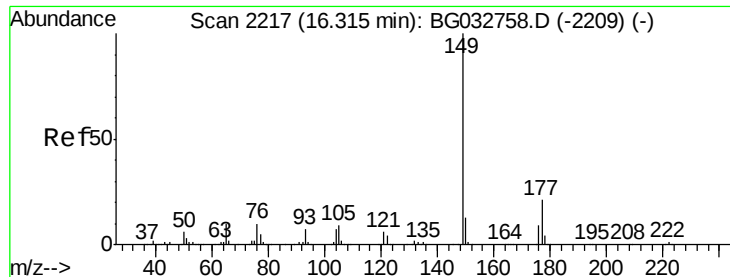
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E

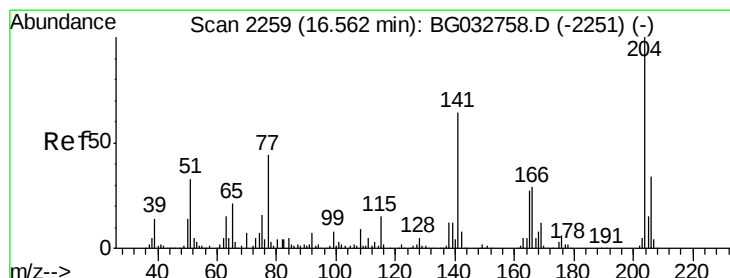
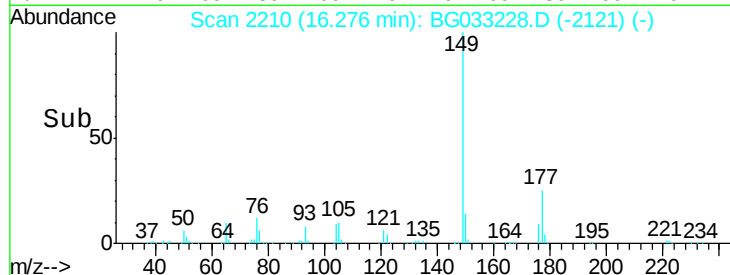
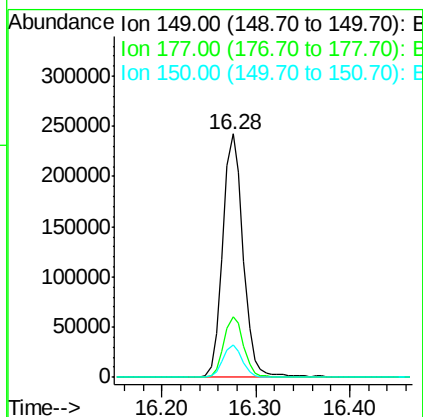
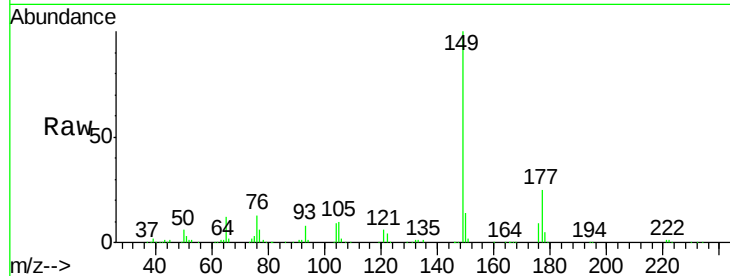




#59  
Diethylphthalate  
Concen: 36.584 ng  
RT: 16.28 min Scan# 2210  
Delta R.T. -0.01 min  
Lab File: BG033228.D  
Acq: 17 Mar 2018 11:15

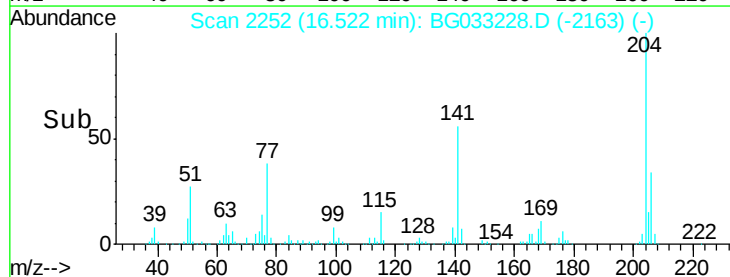
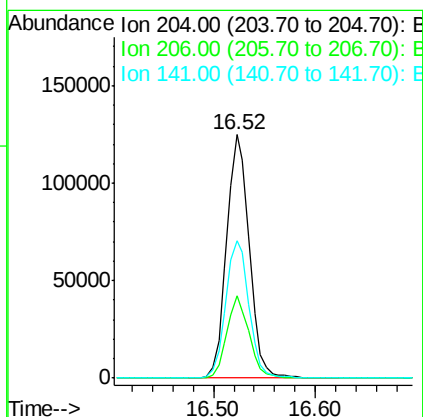
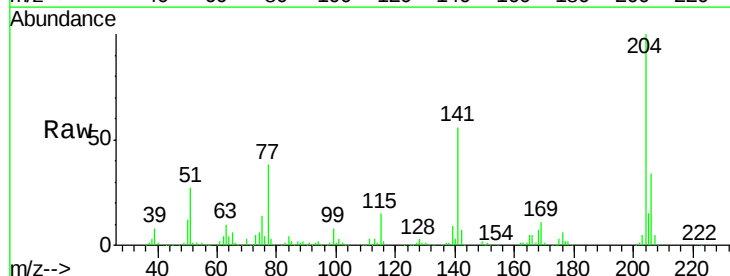
Instrument :  
BNA\_G  
ClientSampleId :  
PB107416BS

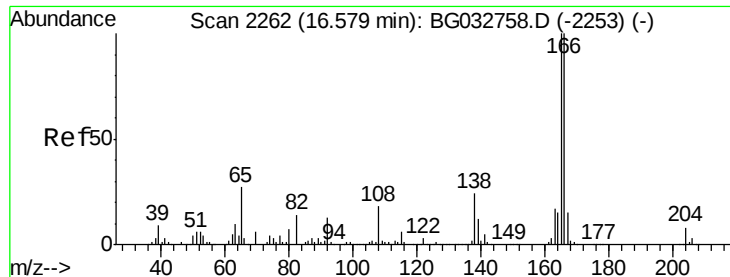
Tot Ion:149 Resp: 368988  
Ion Ratio Lower Upper  
149 100  
177 25.1 18.5 27.7  
150 13.6 10.2 15.2



#60  
4-Chlorophenyl-phenylether  
Concen: 44.892 ng  
RT: 16.52 min Scan# 2252  
Delta R.T. -0.01 min  
Lab File: BG033228.D  
Acq: 17 Mar 2018 11:15

Tgt Ion:204 Resp: 193453  
Ion Ratio Lower Upper  
204 100  
206 33.6 26.2 39.2  
141 56.4 45.8 68.6

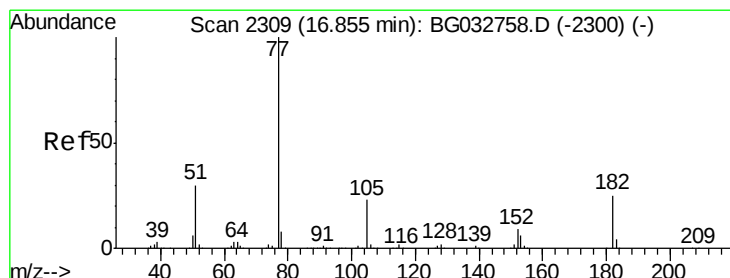
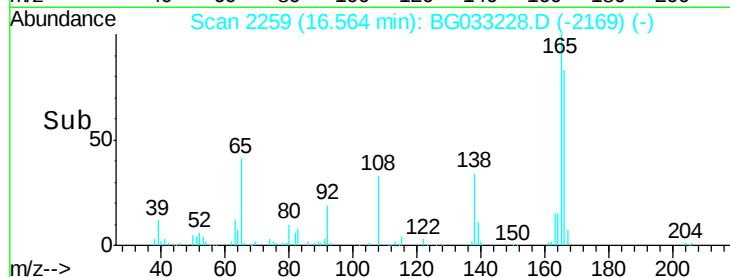
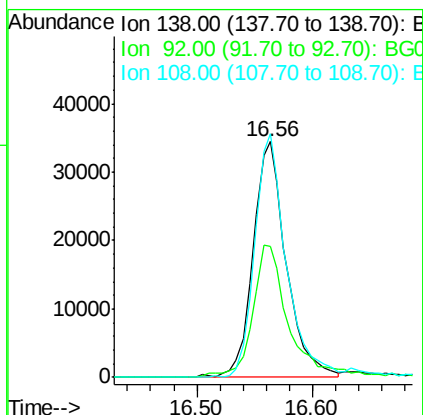
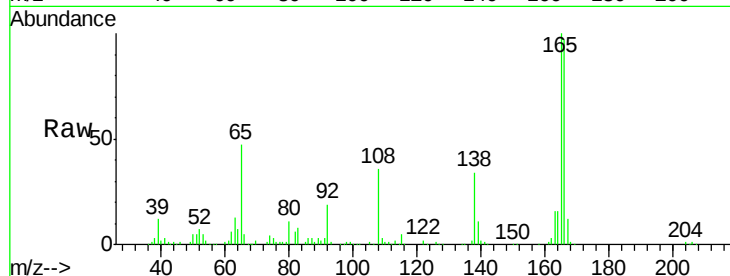




#61  
4-Nitroaniline  
Concen: 34.873 ng  
RT: 16.56 min Scan# 2259  
Delta R.T. 0.00 min  
Lab File: BG033228.D  
Acq: 17 Mar 2018 11:15

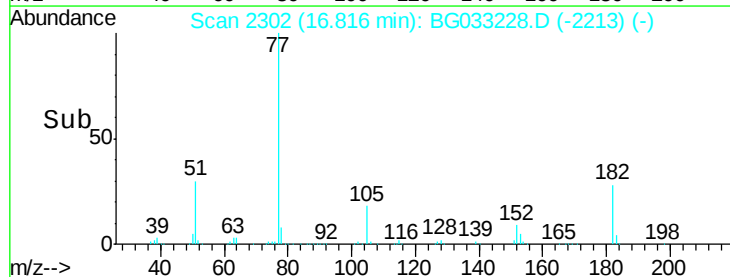
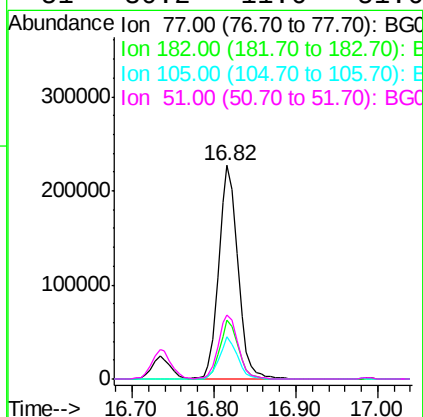
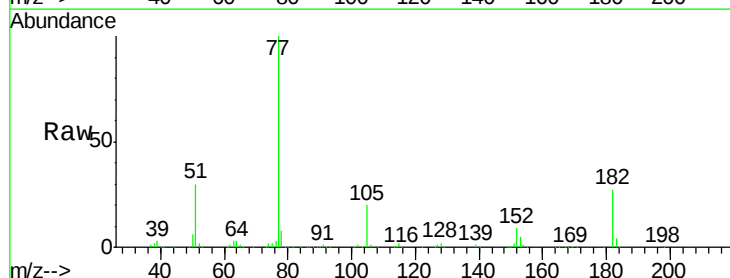
Instrument :  
BNA\_G  
ClientSampleId :  
PB107416BS

Tot Ion:138 Resp: 68819  
Ion Ratio Lower Upper  
138 100  
92 55.6 40.1 80.1  
108 103.4 65.4 105.4



#62  
Azobenzene  
Concen: 41.050 ng  
RT: 16.82 min Scan# 2302  
Delta R.T. -0.01 min  
Lab File: BG033228.D  
Acq: 17 Mar 2018 11:15

Tgt Ion: 77 Resp: 370389  
Ion Ratio Lower Upper  
77 100  
182 27.5 7.4 47.4  
105 19.7 0.3 40.3  
51 30.2 11.6 51.6





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.24 min Scan# 2545

Delta R.T. -0.01 min

Lab File: BG033228.D

Acq: 17 Mar 2018 11:15

Instrument :

BNA\_G

ClientSampleId :

PB107416BS

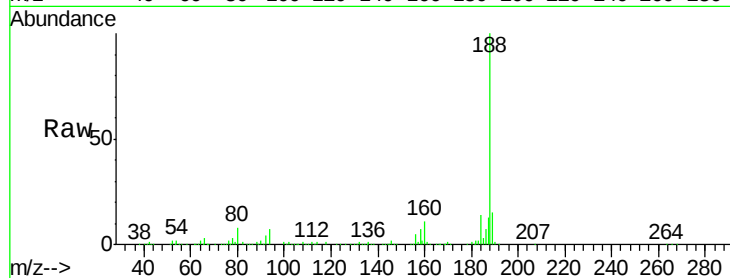
Tot Ion:188 Resp: 309941

Ion Ratio Lower Upper

188 100

94 6.9 6.9 10.3

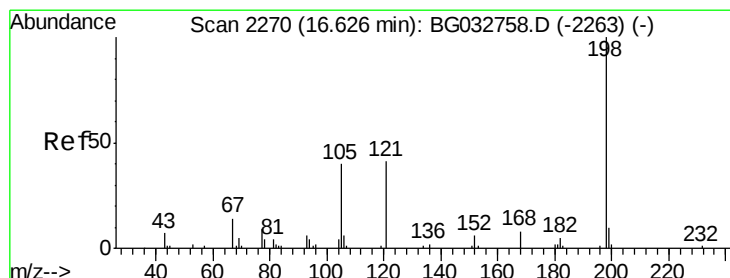
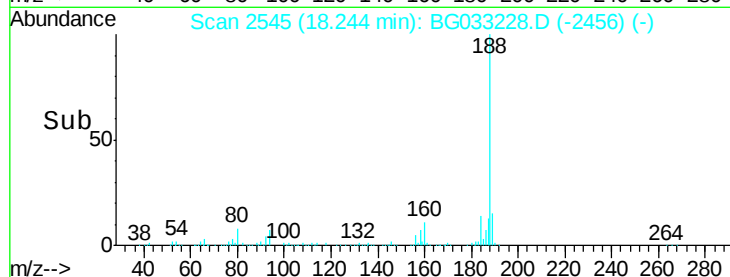
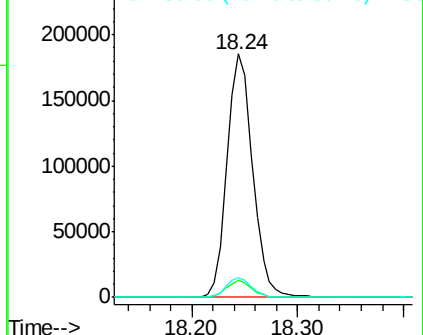
80 8.3 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#64

4,6-Dinitro-2-methylphenol

Concen: 64.952 ng

RT: 16.61 min Scan# 2267

Delta R.T. 0.00 min

Lab File: BG033228.D

Acq: 17 Mar 2018 11:15

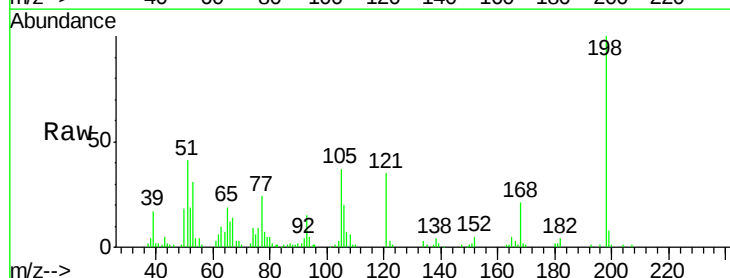
Tgt Ion:198 Resp: 66964

Ion Ratio Lower Upper

198 100

51 41.1 30.6 70.6

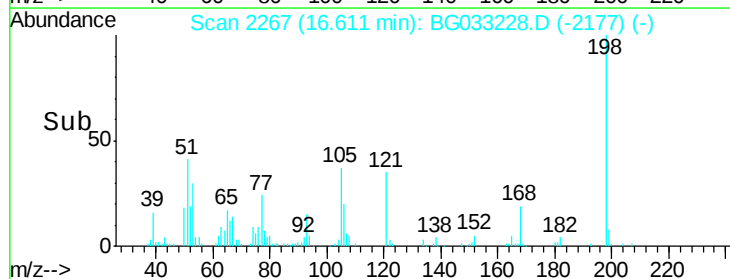
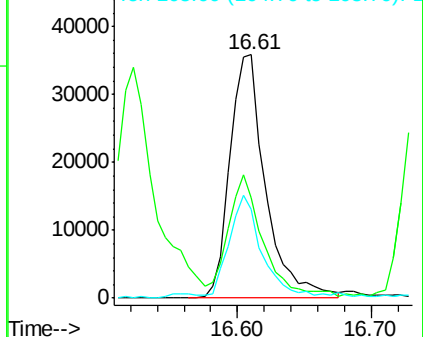
105 36.6 23.8 63.8

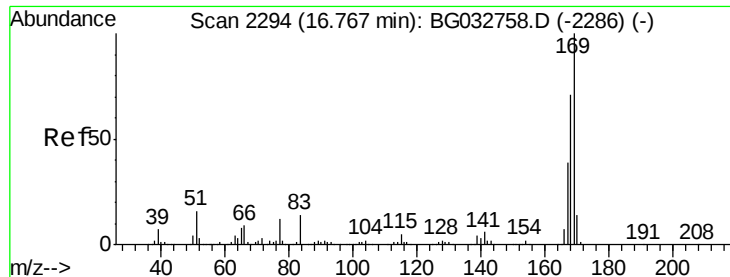


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

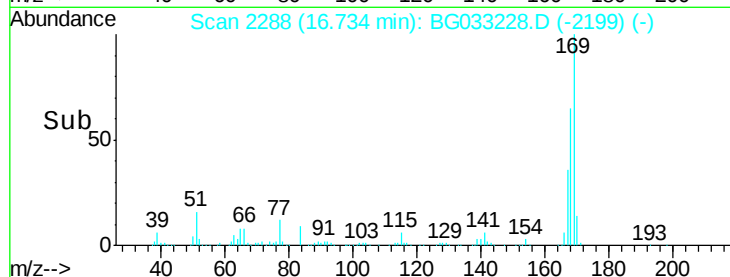
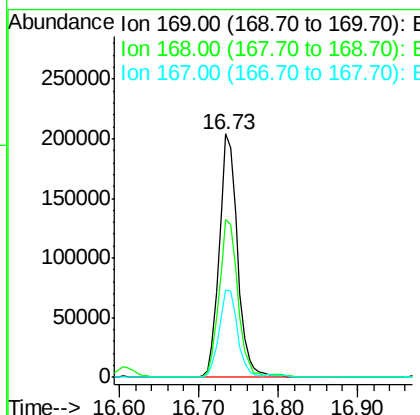
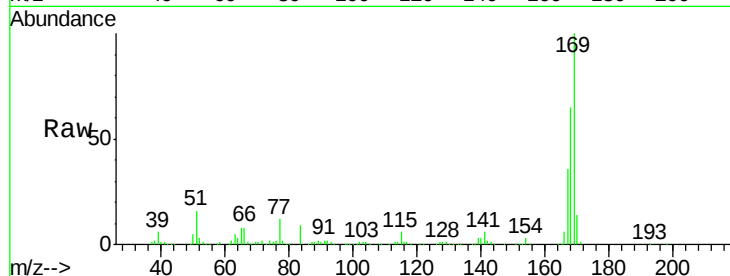




#65  
n-Nitrosodiphenylamine  
Concen: 32.335 ng  
RT: 16.73 min Scan# 2288  
Delta R.T. -0.01 min  
Lab File: BG033228.D  
Acq: 17 Mar 2018 11:15

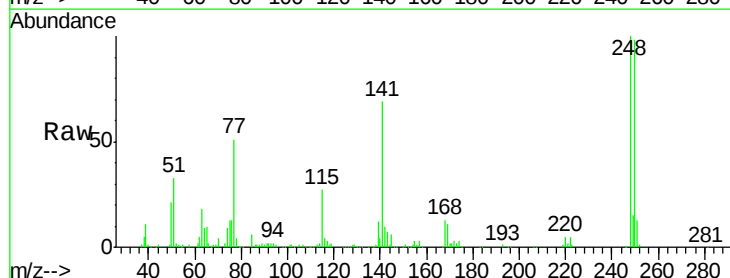
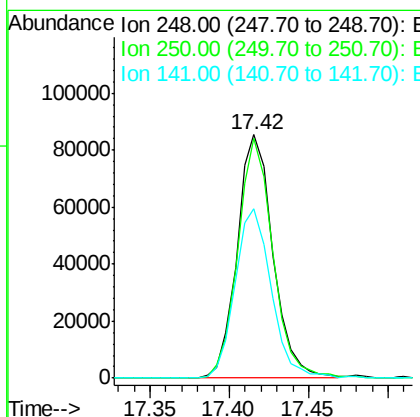
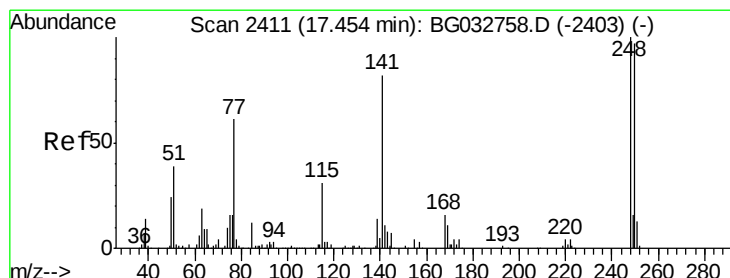
Instrument :  
BNA\_G  
ClientSampleId :  
PB107416BS

Tot Ion:169 Resp: 326024  
Ion Ratio Lower Upper  
169 100  
168 64.8 55.7 83.5  
167 35.8 30.1 45.1



#66  
4-Bromophenyl-phenylether  
Concen: 40.725 ng  
RT: 17.42 min Scan# 2404  
Delta R.T. -0.01 min  
Lab File: BG033228.D  
Acq: 17 Mar 2018 11:15

Tgt Ion:248 Resp: 133467  
Ion Ratio Lower Upper  
248 100  
250 98.4 77.1 115.7  
141 69.4 50.8 76.2

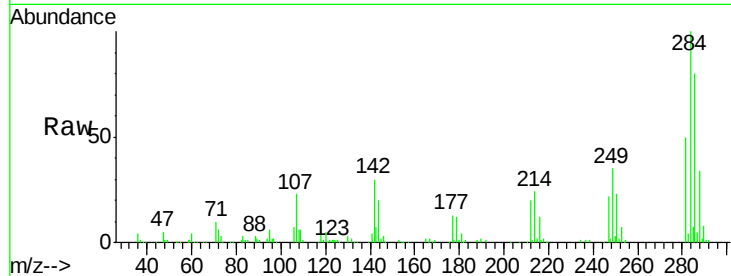




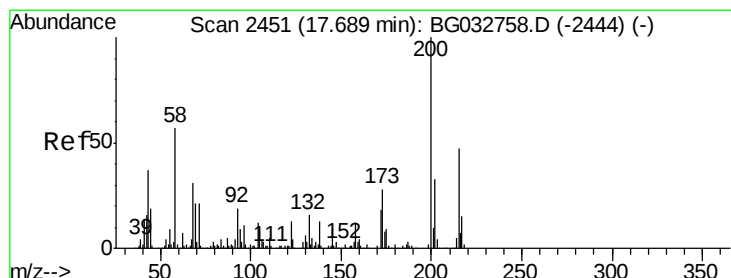
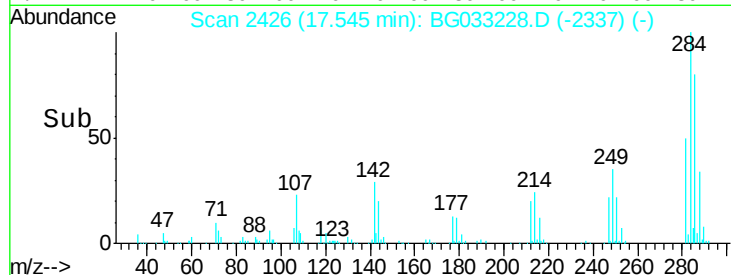
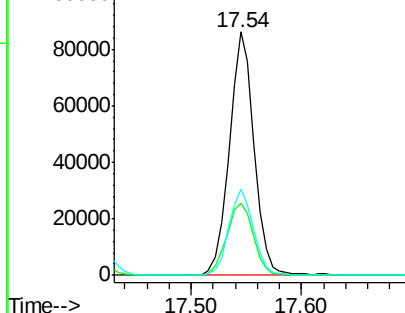
#67  
Hexachlorobenzene  
Concen: 38.123 ng  
RT: 17.54 min Scan# 2426  
Delta R.T. -0.01 min  
Lab File: BG033228.D  
Acq: 17 Mar 2018 11:15

Instrument :  
BNA\_G  
ClientSampleId :  
PB107416BS

Tot Ion:284 Resp: 135017  
Ion Ratio Lower Upper  
284 100  
142 29.7 26.8 40.2  
249 35.4 26.3 39.5

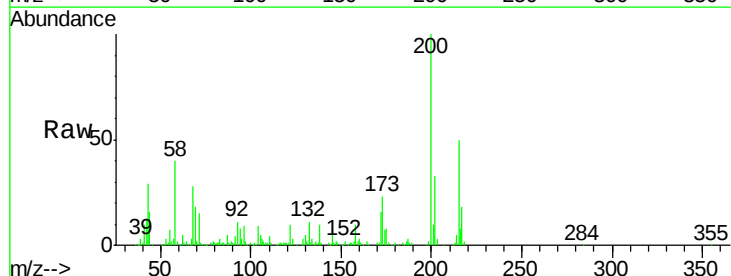


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

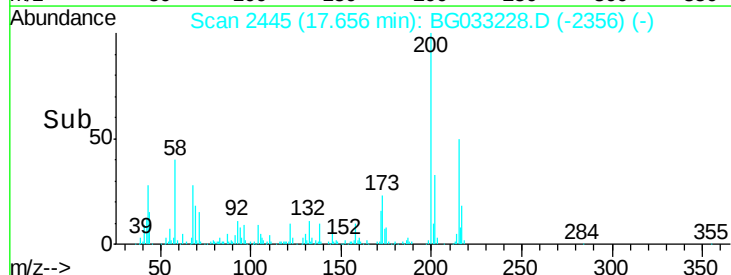
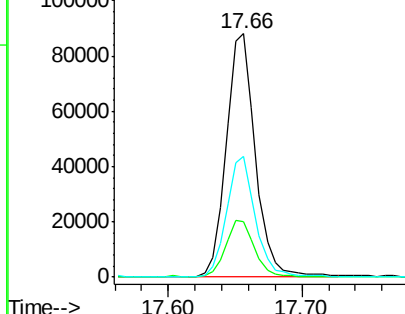


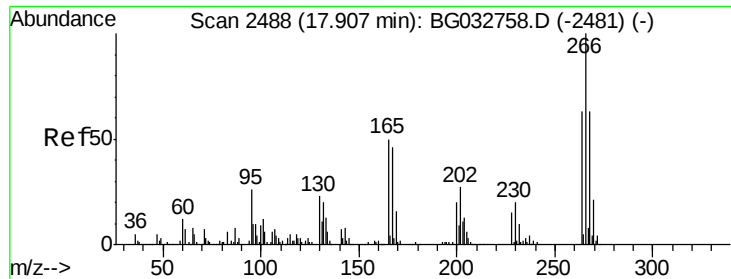
#68  
Atrazine  
Concen: 40.616 ng  
RT: 17.66 min Scan# 2445  
Delta R.T. -0.01 min  
Lab File: BG033228.D  
Acq: 17 Mar 2018 11:15

Tgt Ion:200 Resp: 134799  
Ion Ratio Lower Upper  
200 100  
173 23.0 5.2 45.2  
215 49.6 30.4 70.4



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

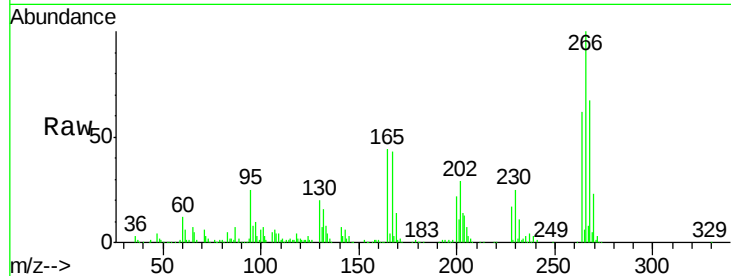




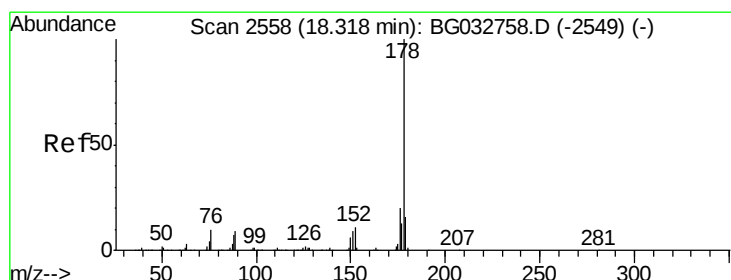
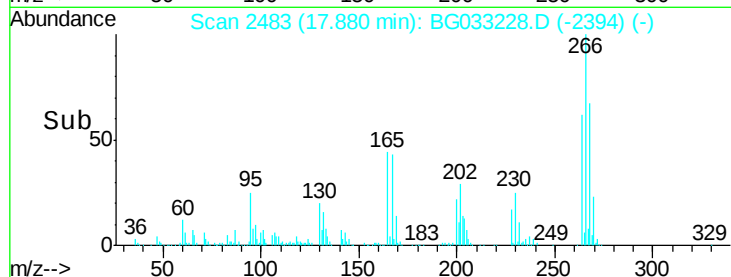
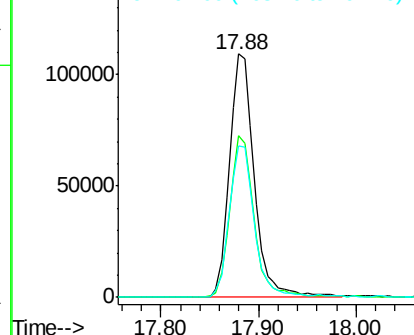
#69  
 Pentachlorophenol  
 Concen: 86.479 ng  
 RT: 17.88 min Scan# 2483  
 Delta R.T. -0.01 min  
 Lab File: BG033228.D  
 Acq: 17 Mar 2018 11:15

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB107416BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 66.6  | 51.1  | 76.7  |
| 264     | 62.0  | 49.6  | 74.4  |

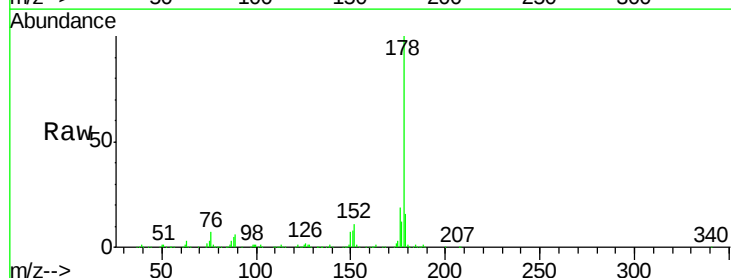


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

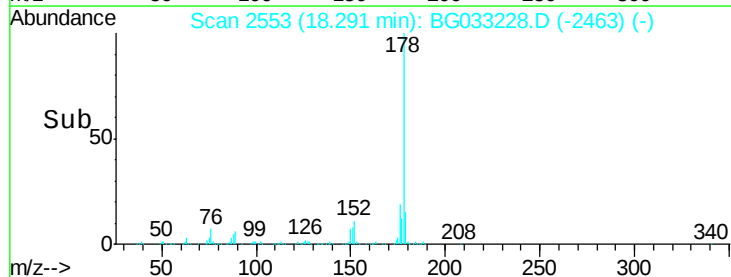
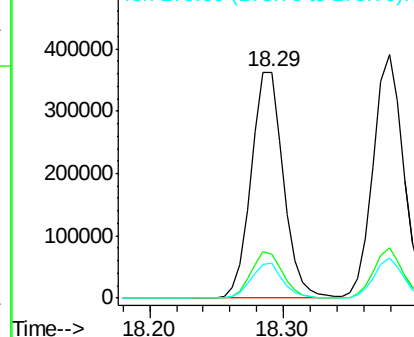


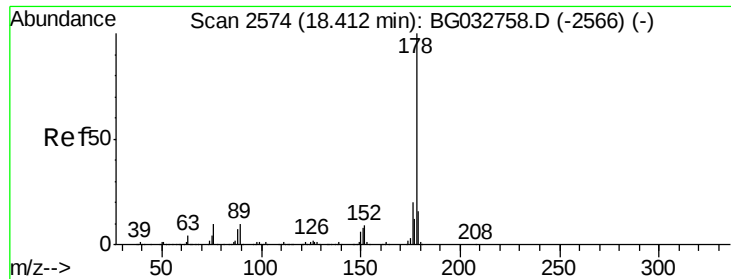
#70  
 Phenanthrene  
 Concen: 34.902 ng  
 RT: 18.29 min Scan# 2553  
 Delta R.T. 0.00 min  
 Lab File: BG033228.D  
 Acq: 17 Mar 2018 11:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.2  | 15.7  | 23.5  |
| 179     | 15.6  | 12.5  | 18.7  |



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

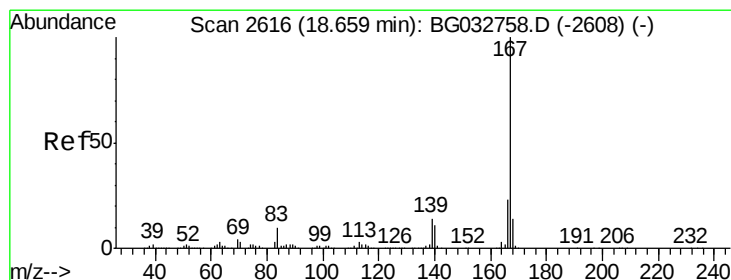
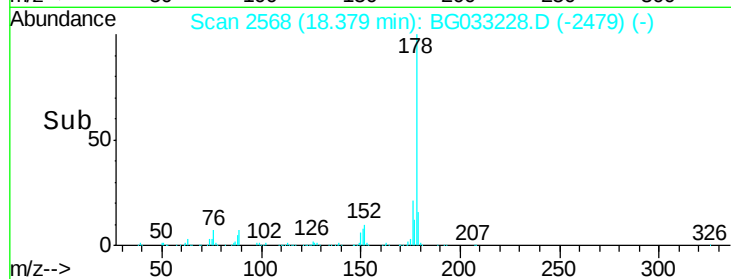
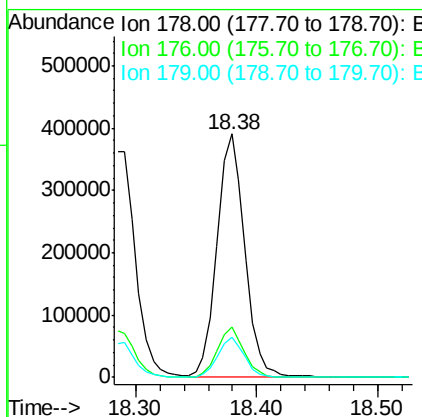
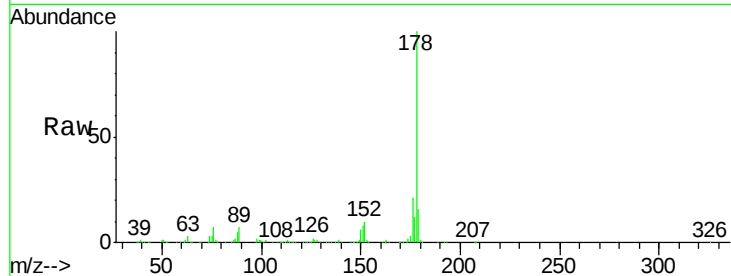




#71  
 Anthracene  
 Concen: 35.541 ng  
 RT: 18.38 min Scan# 2568  
 Delta R.T. -0.01 min  
 Lab File: BG033228.D  
 Acq: 17 Mar 2018 11:15

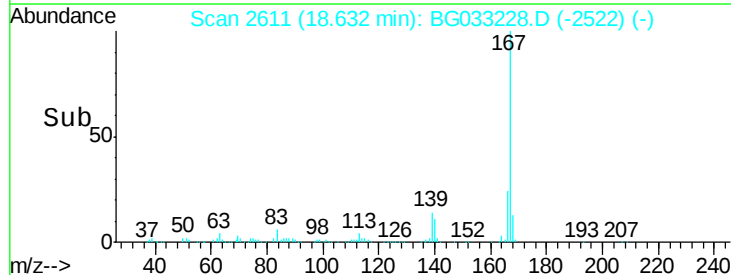
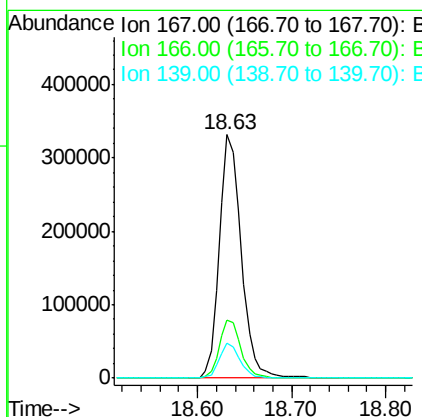
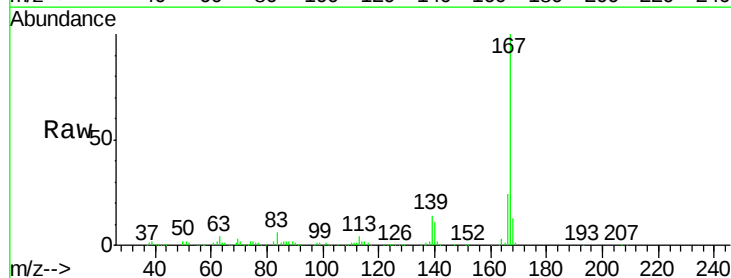
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB107416BS

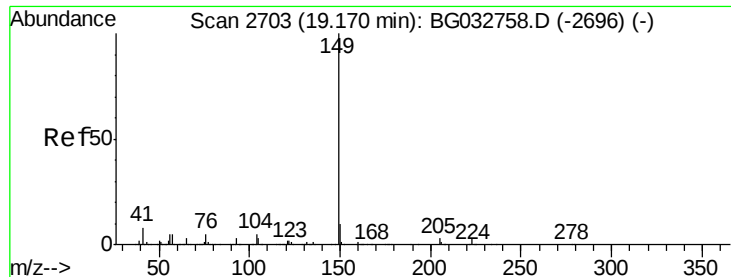
Tot Ion:178 Resp: 616996  
 Ion Ratio Lower Upper  
 178 100  
 176 20.7 16.0 24.0  
 179 16.3 12.5 18.7



#72  
 Carbazole  
 Concen: 31.568 ng  
 RT: 18.63 min Scan# 2611  
 Delta R.T. -0.01 min  
 Lab File: BG033228.D  
 Acq: 17 Mar 2018 11:15

Tgt Ion:167 Resp: 540158  
 Ion Ratio Lower Upper  
 167 100  
 166 23.6 18.2 27.4  
 139 14.3 9.4 14.2#





#73

Di-n-butylphthalate

Concen: 29.737 ng

RT: 19.13 min Scan# 2695

Delta R.T. -0.01 min

Lab File: BG033228.D

Acq: 17 Mar 2018 11:15

Instrument :

BNA\_G

ClientSampleId :

PB107416BS

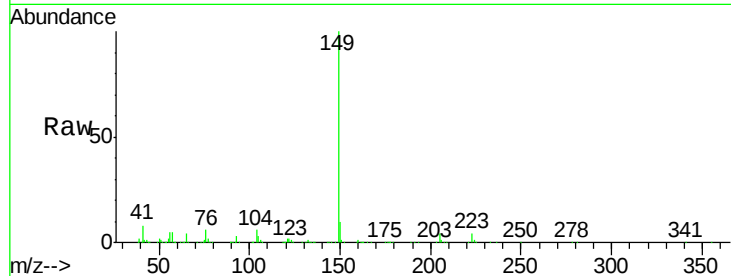
Tot Ion:149 Resp: 624244

Ion Ratio Lower Upper

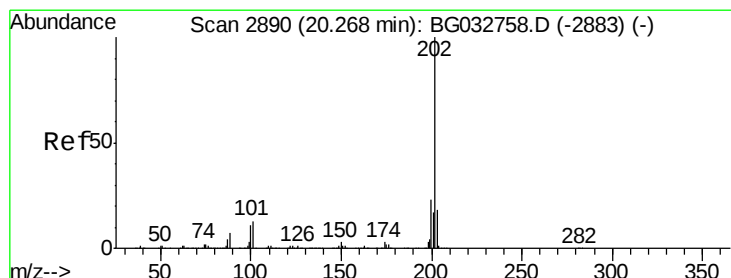
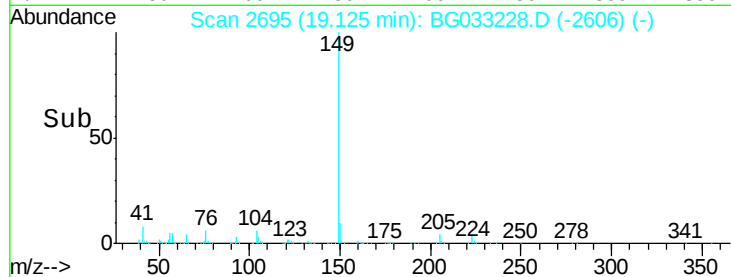
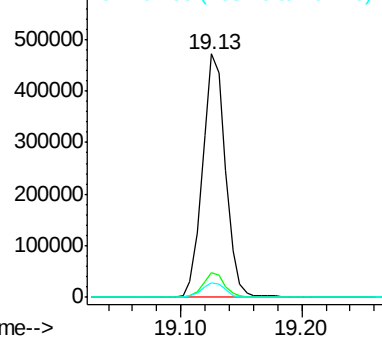
149 100

150 10.3 7.8 11.6

104 6.0 3.9 5.9#



Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 40.561 ng

RT: 20.24 min Scan# 2885

Delta R.T. 0.00 min

Lab File: BG033228.D

Acq: 17 Mar 2018 11:15

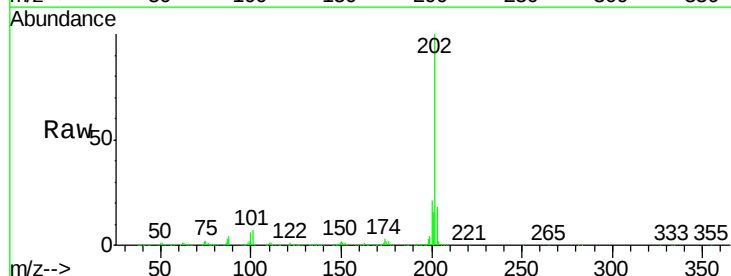
Tgt Ion:202 Resp: 774750

Ion Ratio Lower Upper

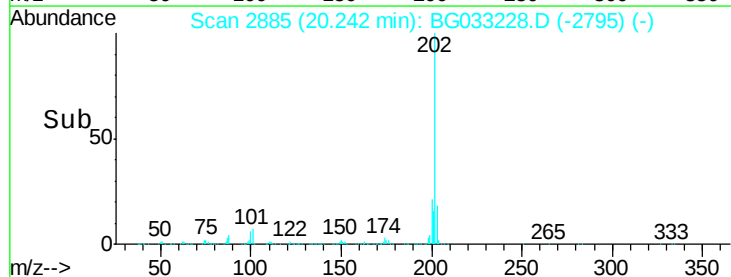
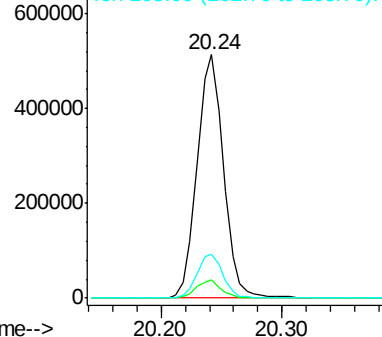
202 100

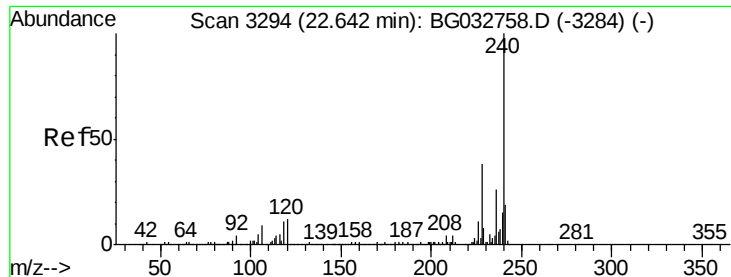
101 7.3 0.0 28.9

203 18.1 0.0 37.5



Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 101.00 (100.70 to 101.70): E  
Ion 203.00 (202.70 to 203.70): E

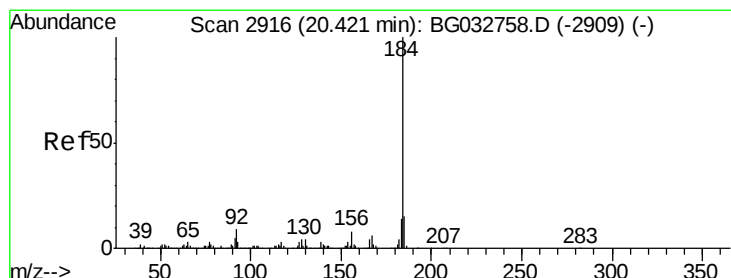
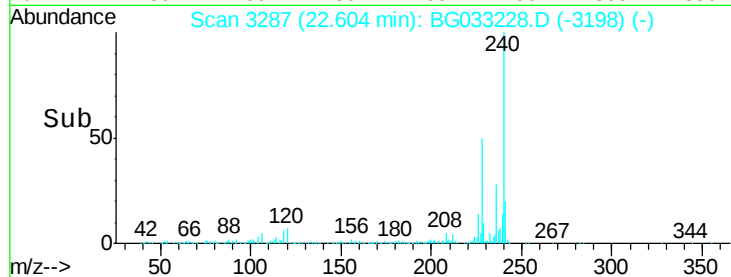
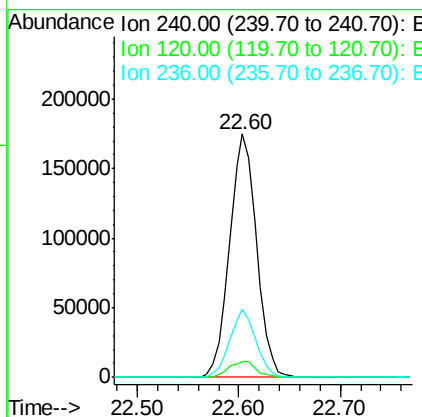
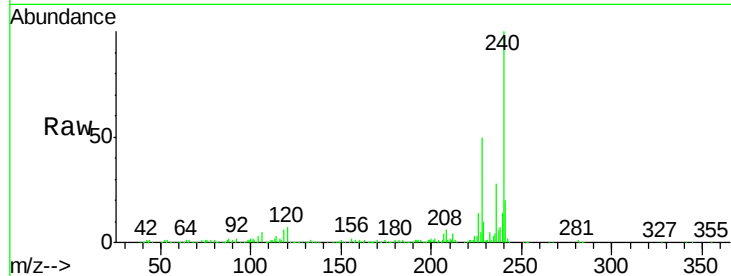




#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 22.60 min Scan# 3287  
Delta R.T. -0.00 min  
Lab File: BG033228.D  
Acq: 17 Mar 2018 11:15

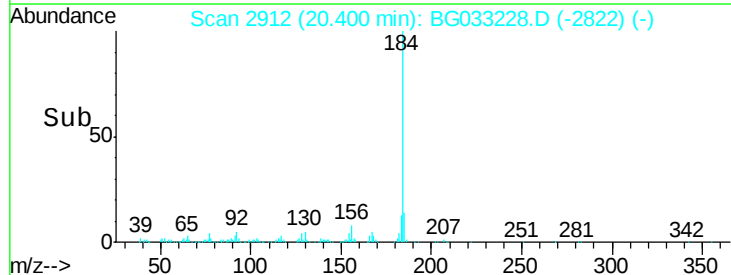
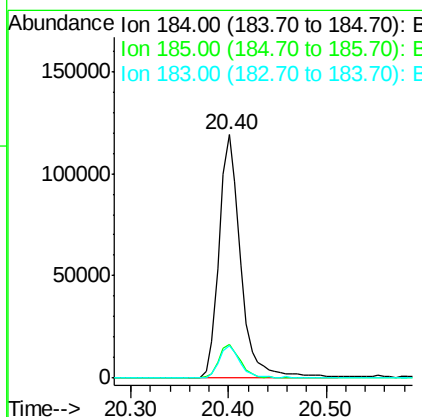
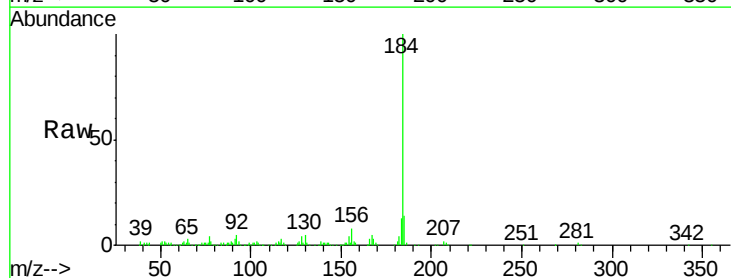
Instrument :  
BNA\_G  
ClientSampleId :  
PB107416BS

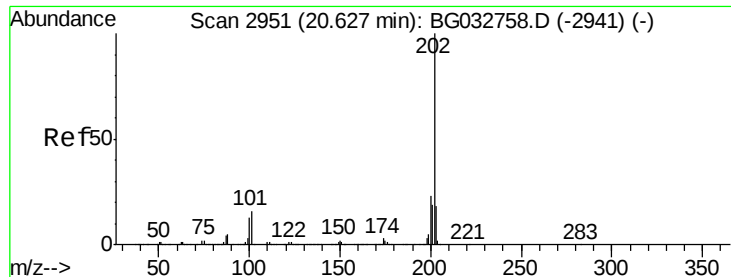
Tot Ion:240 Resp: 322026  
Ion Ratio Lower Upper  
240 100  
120 6.6 6.8 10.2#  
236 27.8 20.9 31.3



#76  
Benzidine  
Concen: 16.769 ng  
RT: 20.40 min Scan# 2912  
Delta R.T. 0.00 min  
Lab File: BG033228.D  
Acq: 17 Mar 2018 11:15

Tgt Ion:184 Resp: 184074  
Ion Ratio Lower Upper  
184 100  
185 13.8 11.1 16.7  
183 13.1 10.6 16.0





#77

Pvrene

Concen: 34.437 ng

RT: 20.60 min Scan# 2946

Delta R.T. 0.00 min

Lab File: BG033228.D

Acq: 17 Mar 2018 11:15

Instrument :

BNA\_G

ClientSampleId :

PB107416BS

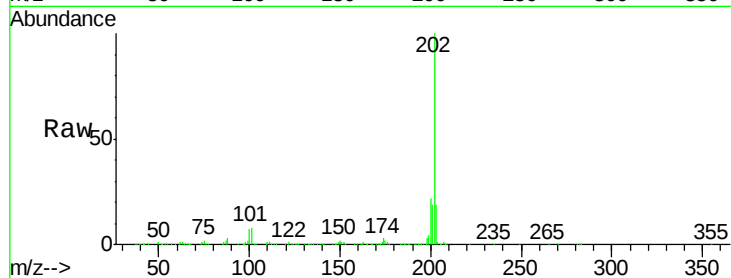
Tot Ion:202 Resp: 782050

Ion Ratio Lower Upper

202 100

200 21.5 16.9 25.3

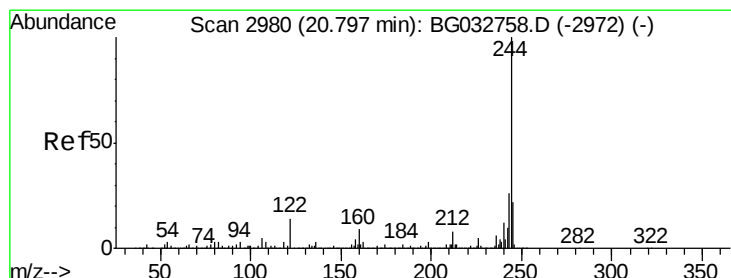
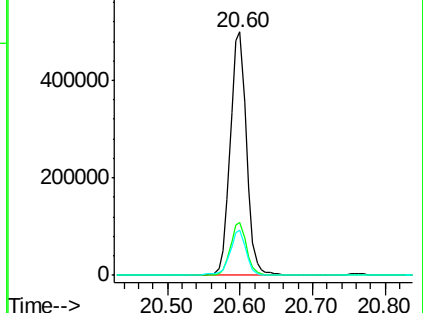
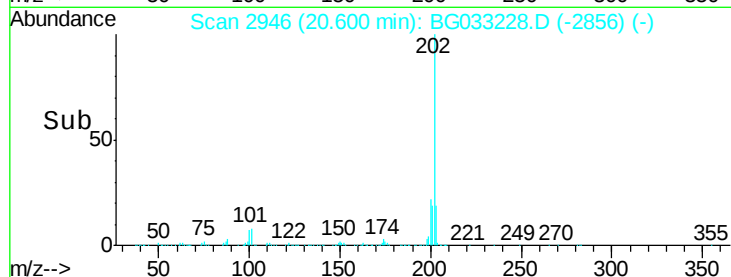
203 18.6 13.9 20.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 88.194 ng

RT: 20.76 min Scan# 2974

Delta R.T. 0.00 min

Lab File: BG033228.D

Acq: 17 Mar 2018 11:15

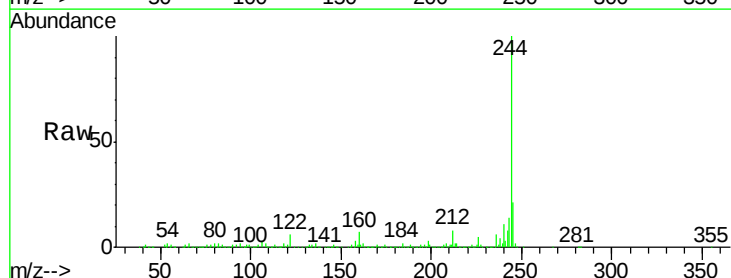
Tgt Ion:244 Resp: 1264088

Ion Ratio Lower Upper

244 100

212 8.4 5.8 8.8

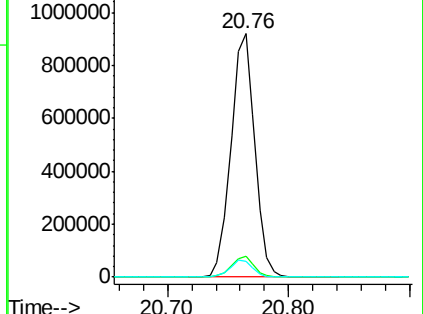
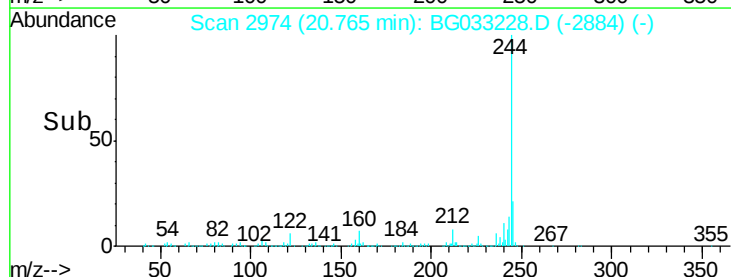
122 6.4 7.0 10.4#

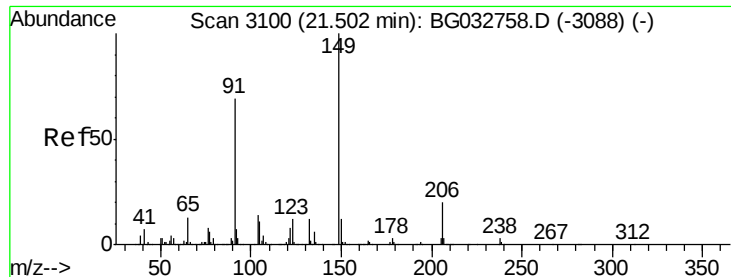


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

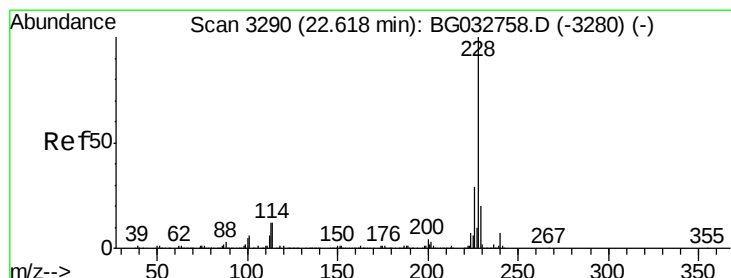
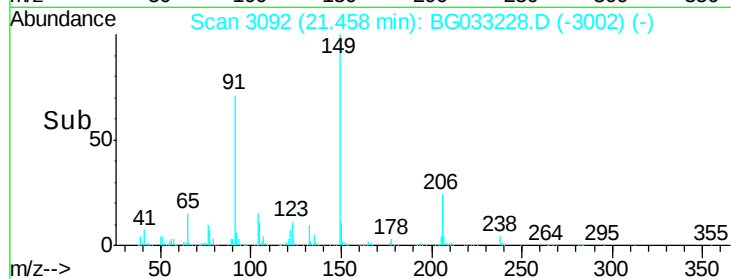
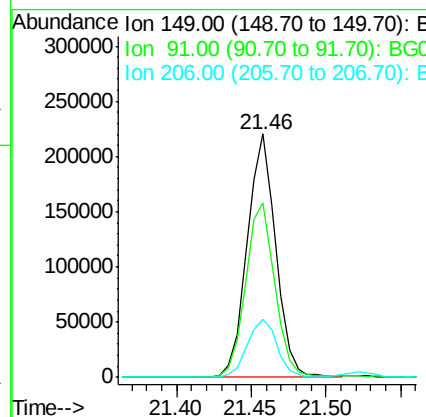
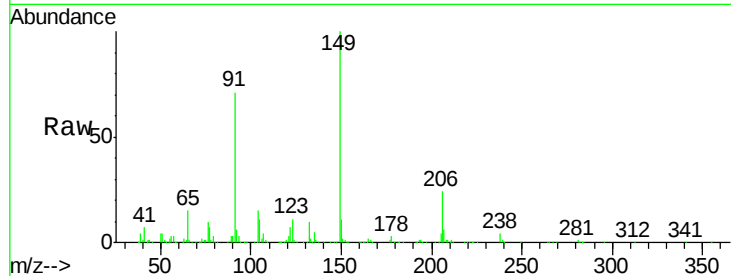




#79  
Butylbenzylphthalate  
Concen: 28.941 ng  
RT: 21.46 min Scan# 3092  
Delta R.T. 0.00 min  
Lab File: BG033228.D  
Acq: 17 Mar 2018 11:15

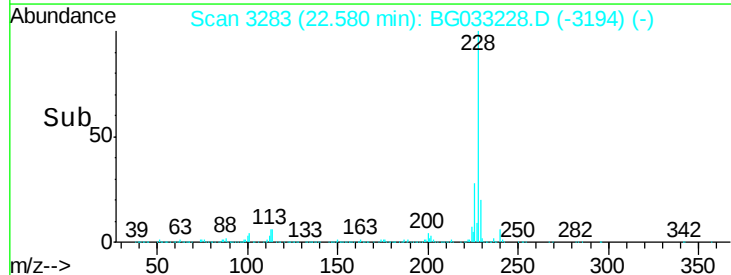
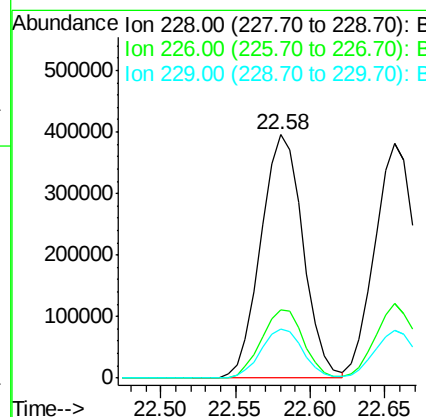
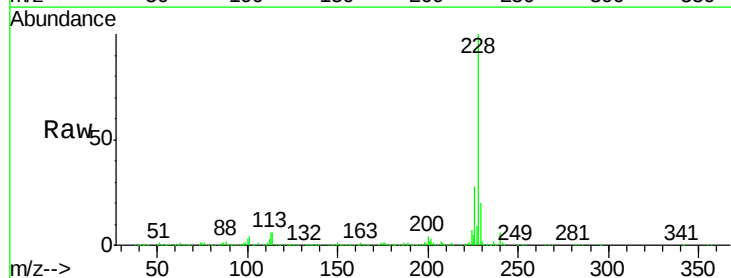
Instrument :  
BNA\_G  
ClientSampleId :  
PB107416BS

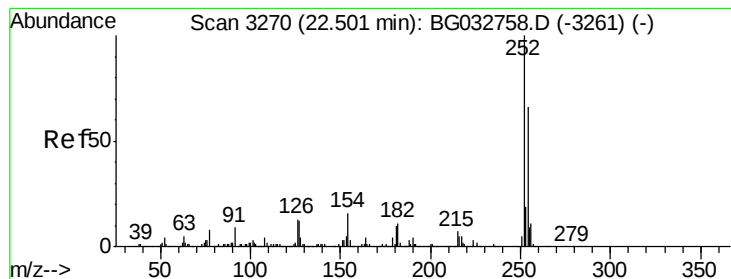
Tot Ion:149 Resp: 291398  
Ion Ratio Lower Upper  
149 100  
91 71.5 62.2 93.2  
206 23.8 18.6 27.8



#80  
Benzo(a)anthracene  
Concen: 37.503 ng  
RT: 22.58 min Scan# 3283  
Delta R.T. -0.00 min  
Lab File: BG033228.D  
Acq: 17 Mar 2018 11:15

Tgt Ion:228 Resp: 774429  
Ion Ratio Lower Upper  
228 100  
226 28.3 22.7 34.1  
229 20.4 16.2 24.2





#81

3,3'-Dichlorobenzidine

Concen: 19.352 ng

RT: 22.47 min Scan# 3264

Delta R.T. 0.00 min

Lab File: BG033228.D

Acq: 17 Mar 2018 11:15

Instrument :

BNA\_G

ClientSampleId :

PB107416BS

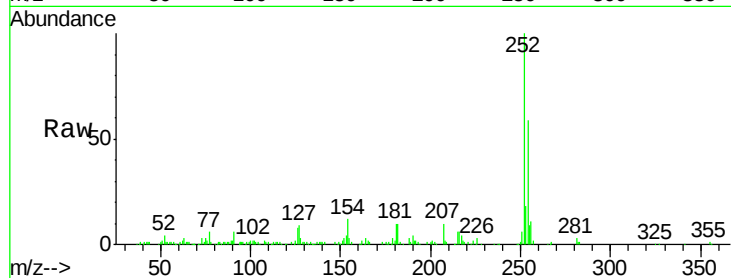
Tot Ion:252 Resp: 148002

Ion Ratio Lower Upper

252 100

254 58.7 50.8 76.2

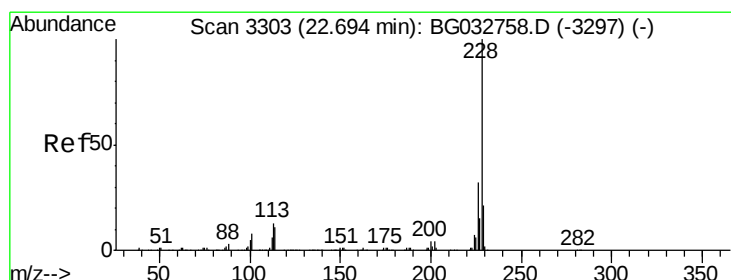
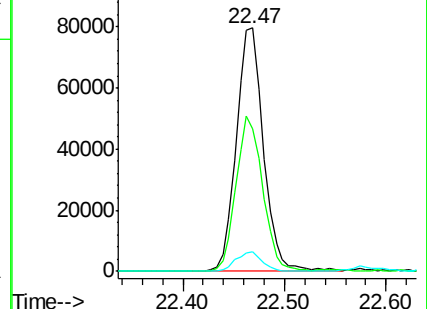
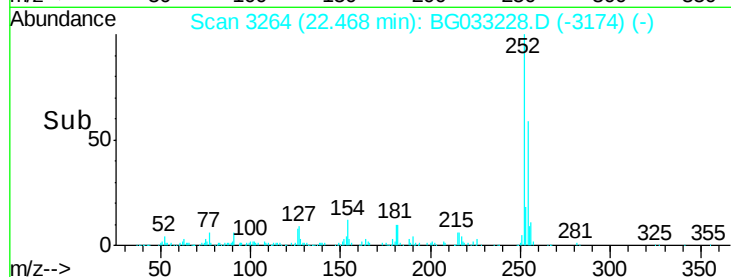
126 7.9 7.4 11.2



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



#82

Chrysene

Concen: 36.710 ng

RT: 22.66 min Scan# 3296

Delta R.T. -0.00 min

Lab File: BG033228.D

Acq: 17 Mar 2018 11:15

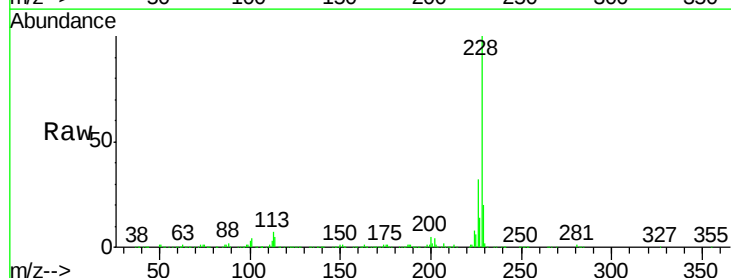
Tgt Ion:228 Resp: 724146

Ion Ratio Lower Upper

228 100

226 31.8 24.9 37.3

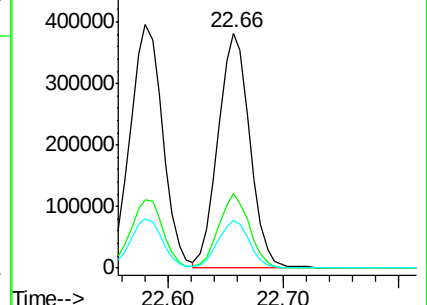
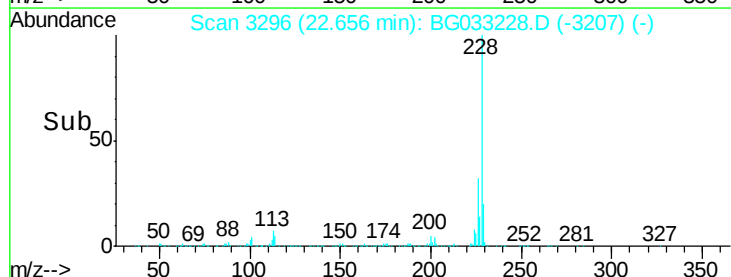
229 20.3 15.0 22.4

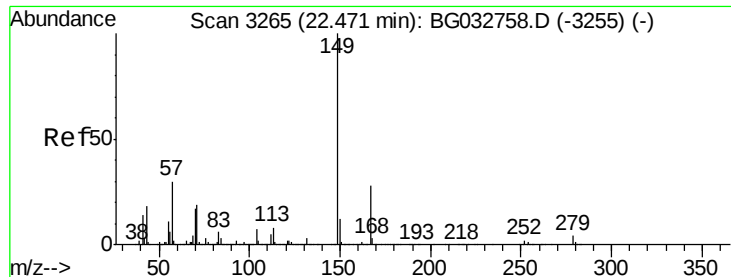


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

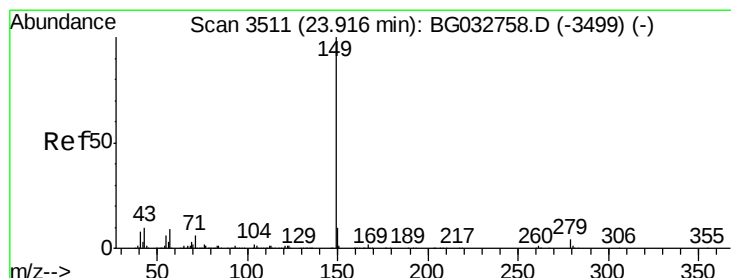
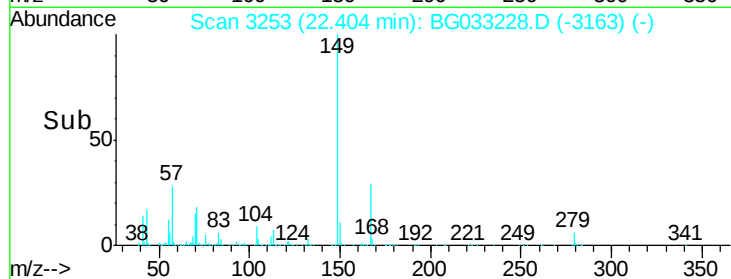
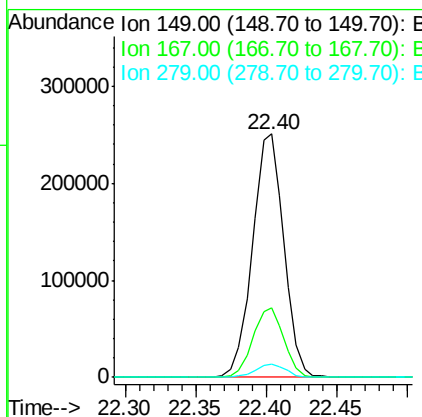
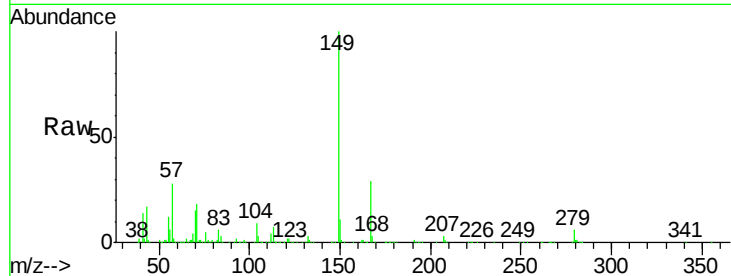




#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 26.263 ng  
 RT: 22.40 min Scan# 3253  
 Delta R.T. 0.00 min  
 Lab File: BG033228.D  
 Acq: 17 Mar 2018 11:15

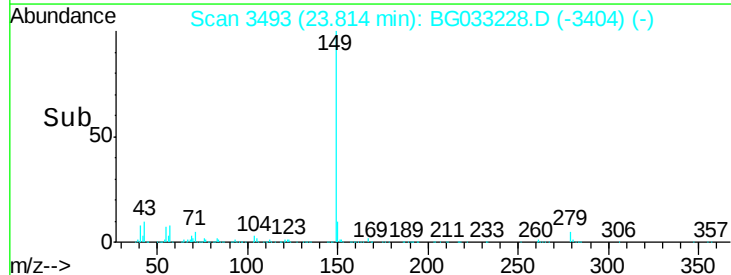
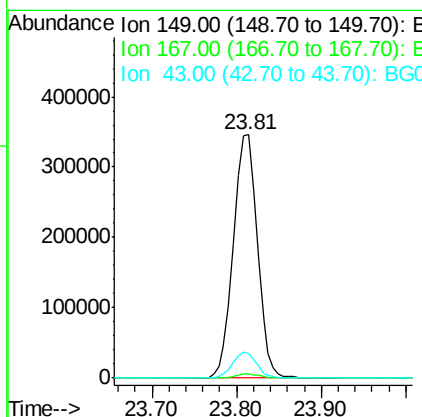
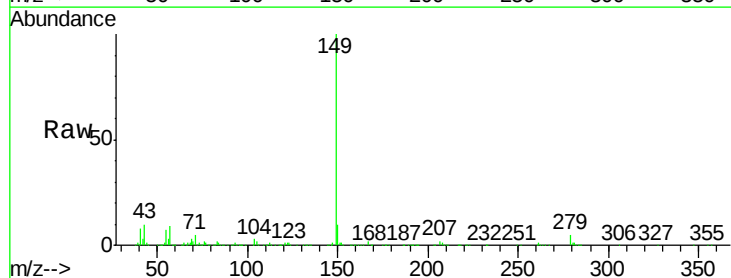
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB107416BS

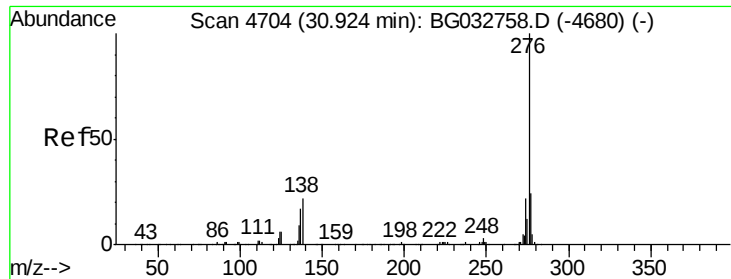
Tot Ion:149 Resp: 391423  
 Ion Ratio Lower Upper  
 149 100  
 167 28.8 24.3 36.5  
 279 5.7 4.0 6.0



#84  
 Di-n-octyl phthalate  
 Concen: 29.817 ng  
 RT: 23.81 min Scan# 3493  
 Delta R.T. -0.00 min  
 Lab File: BG033228.D  
 Acq: 17 Mar 2018 11:15

Tgt Ion:149 Resp: 677360  
 Ion Ratio Lower Upper  
 149 100  
 167 1.8 1.4 2.0  
 43 10.4 8.9 13.3

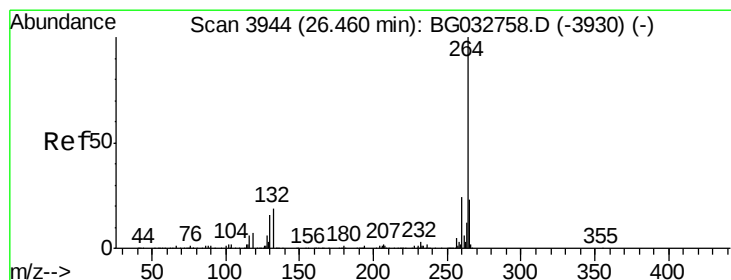
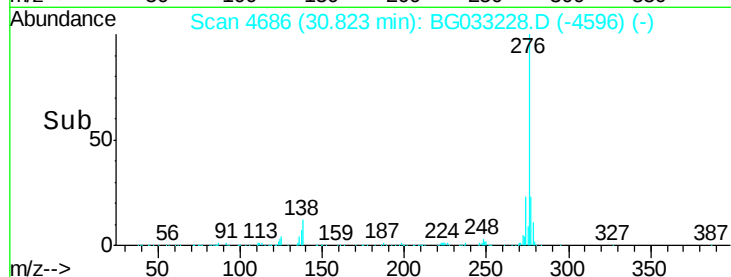
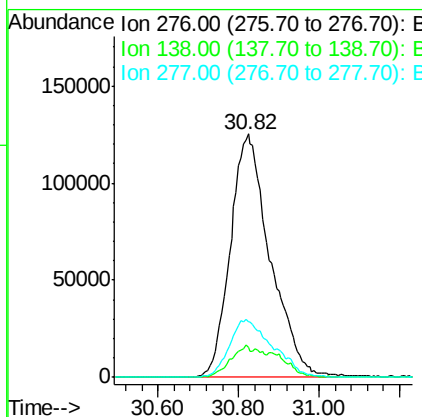
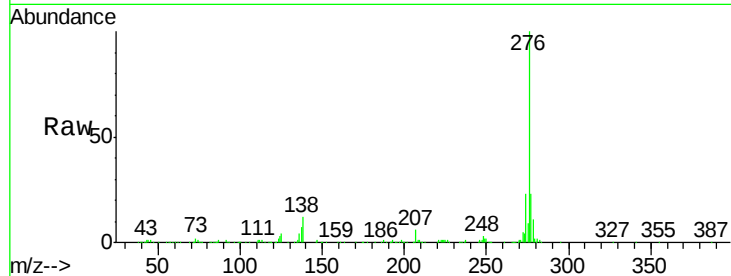




#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 37.332 ng  
 RT: 30.82 min Scan# 4686  
 Delta R.T. -0.00 min  
 Lab File: BG033228.D  
 Acq: 17 Mar 2018 11:15

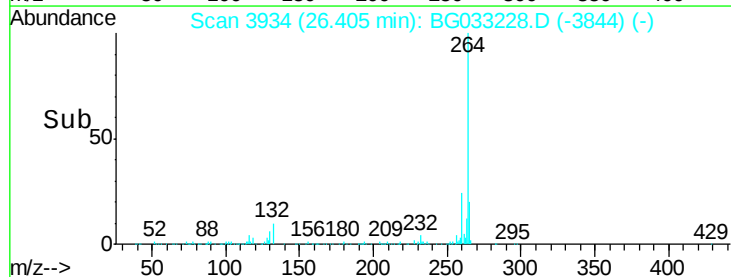
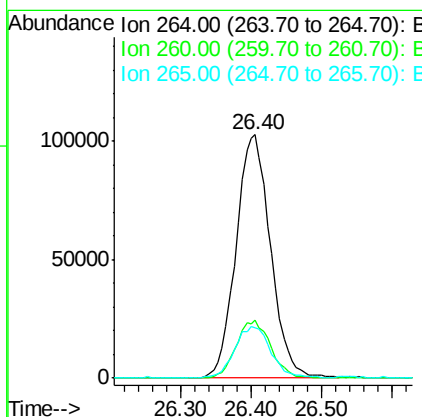
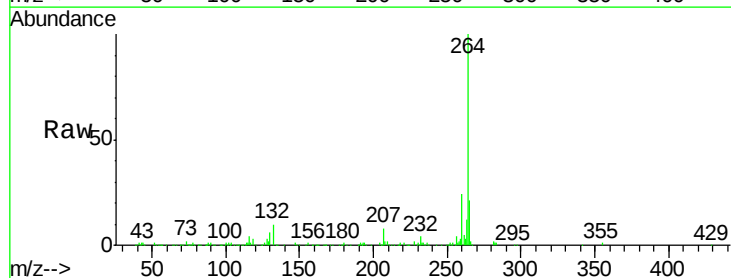
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB107416BS

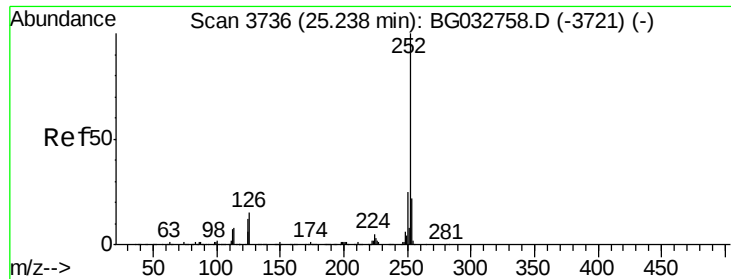
Tot Ion:276 Resp: 858813  
 Ion Ratio Lower Upper  
 276 100  
 138 7.0 16.0 24.0#  
 277 25.7 20.0 30.0



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 26.40 min Scan# 3934  
 Delta R.T. -0.00 min  
 Lab File: BG033228.D  
 Acq: 17 Mar 2018 11:15

Tgt Ion:264 Resp: 347565  
 Ion Ratio Lower Upper  
 264 100  
 260 23.8 17.4 26.0  
 265 20.7 17.7 26.5





#87

Benzo(b)fluoranthene

Concen: 36.480 ng

RT: 25.18 min Scan# 3726

Delta R.T. -0.00 min

Lab File: BG033228.D

Acq: 17 Mar 2018 11:15

Instrument :

BNA\_G

ClientSampleId :

PB107416BS

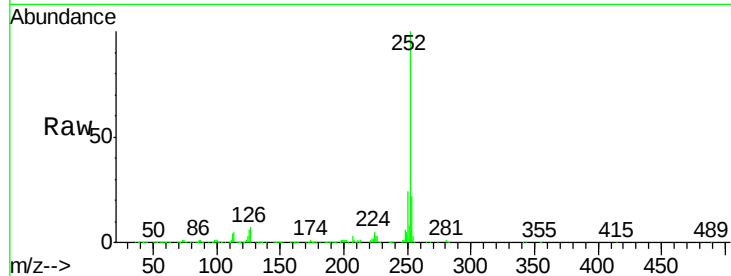
Tot Ion:252 Resp: 749678

Ion Ratio Lower Upper

252 100

253 21.5 18.2 27.4

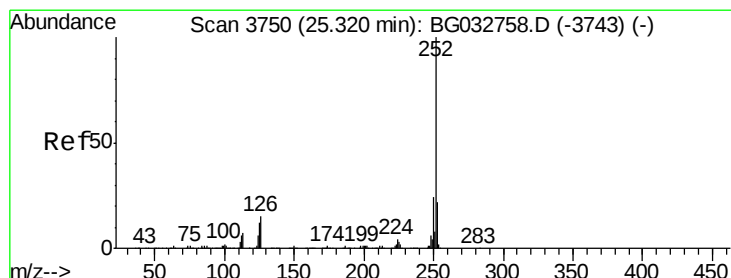
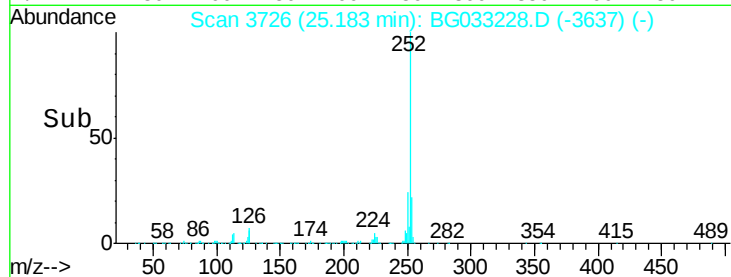
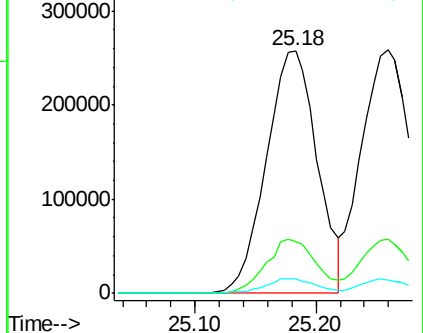
125 5.9 7.2 10.8#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 36.934 ng

RT: 25.26 min Scan# 3739

Delta R.T. -0.01 min

Lab File: BG033228.D

Acq: 17 Mar 2018 11:15

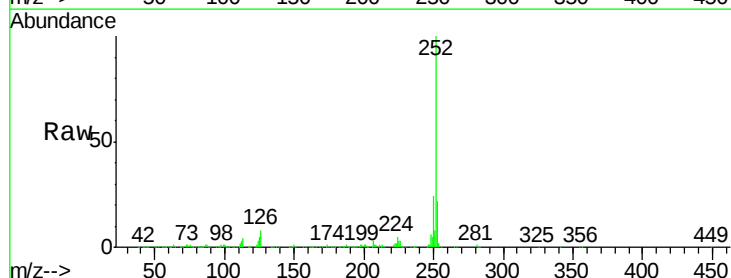
Tgt Ion:252 Resp: 754336

Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.2

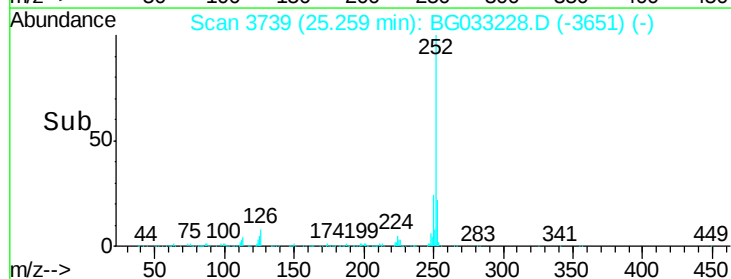
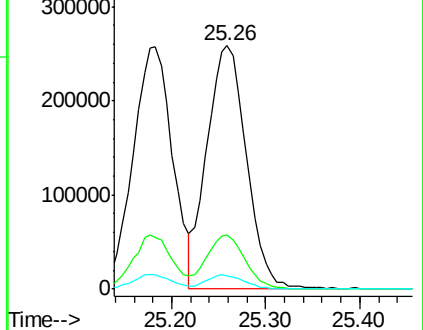
125 5.5 6.6 9.8#

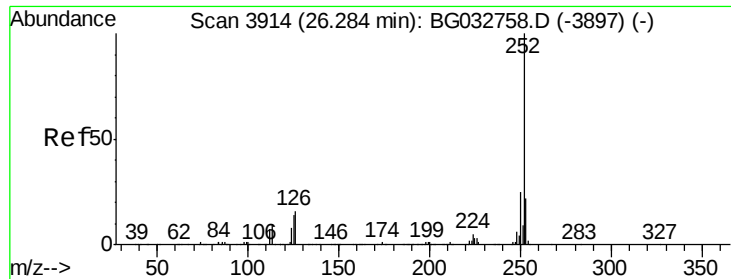


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 37.769 ng

RT: 26.22 min Scan# 3903

Delta R.T. -0.00 min

Lab File: BG033228.D

Acq: 17 Mar 2018 11:15

Instrument :

BNA\_G

ClientSampleId :

PB107416BS

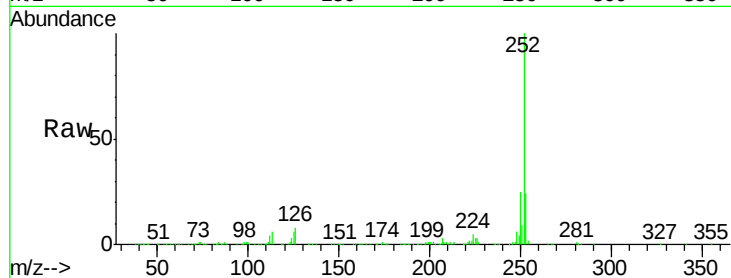
Tot Ion:252 Resp: 738235

Ion Ratio Lower Upper

252 100

253 24.4 18.3 27.5

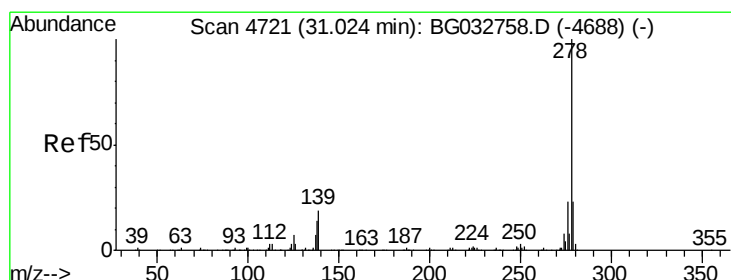
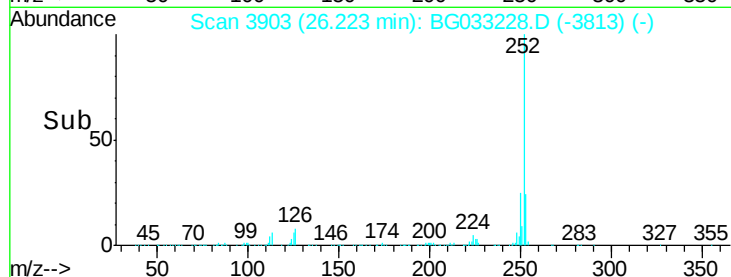
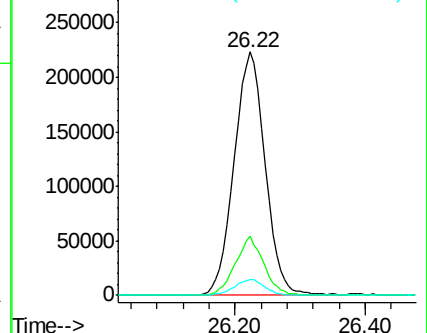
125 6.5 7.3 10.9#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 36.257 ng

RT: 30.90 min Scan# 4699

Delta R.T. -0.02 min

Lab File: BG033228.D

Acq: 17 Mar 2018 11:15

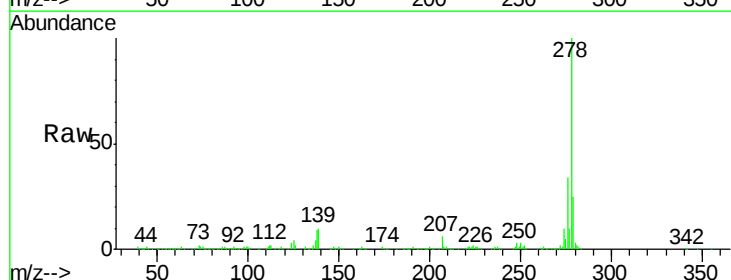
Tgt Ion:278 Resp: 713348

Ion Ratio Lower Upper

278 100

139 9.5 9.8 14.6#

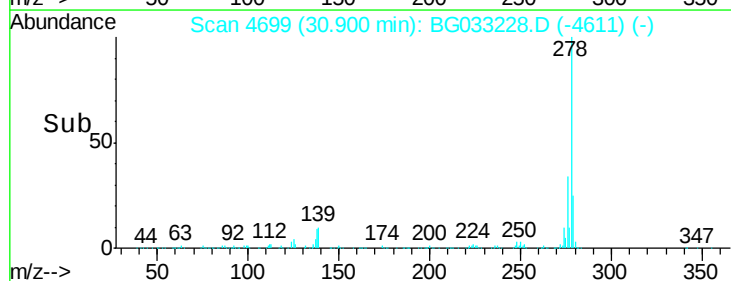
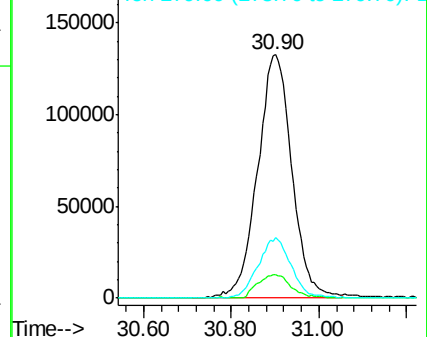
279 24.9 18.4 27.6

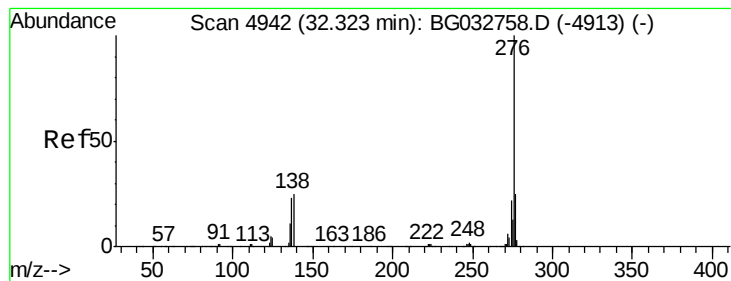


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 36.827 ng

RT: 32.22 min Scan# 4923

Delta R.T. -0.02 min

Lab File: BG033228.D

Acq: 17 Mar 2018 11:15

Instrument :

BNA\_G

ClientSampleId :

PB107416BS

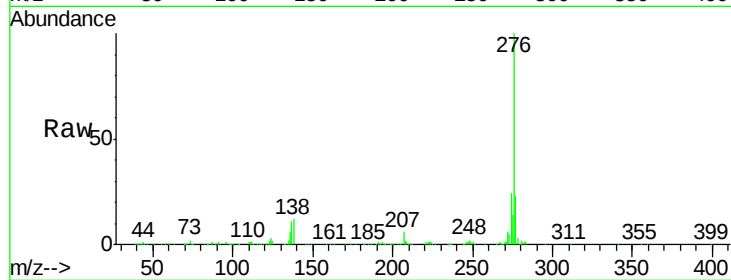
Tot Ion: 276 Resp: 714247

Ion Ratio Lower Upper

276 100

277 23.1 18.3 27.5

138 11.8 13.9 20.9#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

