

Data File : BG043944.D  
Acq On : 6 Jan 2020 23:28  
Operator : JU  
Sample : IDOC-W-03-CG  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
IDOC-W-03-CG

Quant Time: Jan 07 04:55:07 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG123019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Dec 31 13:32:23 2019  
Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.96  | 152  | 110673   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.76 | 136  | 491779   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 14.59 | 164  | 326120   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 17.34 | 188  | 722652   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.59 | 240  | 629536   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 24.71 | 264  | 705741   | 20.00 | ng    | -0.01    |

|                             |       |     |         |        |    |      |
|-----------------------------|-------|-----|---------|--------|----|------|
| System Monitoring Compounds |       |     |         |        |    |      |
| 5) 2-Fluorophenol           | 5.54  | 112 | 822682  | 136.49 | ng | 0.00 |
| 7) Phenol-d6                | 7.13  | 99  | 1098502 | 130.38 | ng | 0.00 |
| 23) Nitrobenzene-d5         | 9.12  | 82  | 702194  | 76.38  | ng | 0.00 |
| 42) 2,4,6-Tribromophenol    | 16.08 | 330 | 423861  | 124.20 | ng | 0.00 |
| 45) 2-Fluorobiphenyl        | 13.22 | 172 | 1522007 | 84.56  | ng | 0.00 |
| 79) Terphenyl-d14           | 19.95 | 244 | 2177137 | 82.81  | ng | 0.00 |

|                                |       |     |         |           |        |
|--------------------------------|-------|-----|---------|-----------|--------|
| Target Compounds               |       |     |         |           | Qvalue |
| 2) 1,4-Dioxane                 | 3.43  | 88  | 111975  | 42.606 ng | 98     |
| 3) Pyridine                    | 3.82  | 79  | 283463  | 36.510 ng | 96     |
| 4) n-Nitrosodimethylamine      | 3.74  | 42  | 151093  | 43.711 ng | 98     |
| 6) Aniline                     | 7.28  | 93  | 376398  | 34.012 ng | 98     |
| 8) 2-Chlorophenol              | 7.53  | 128 | 354295  | 50.069 ng | 99     |
| 9) Benzaldehyde                | 7.09  | 77  | 207709  | 38.518 ng | 99     |
| 10) Phenol                     | 7.15  | 94  | 442477  | 50.972 ng | 99     |
| 11) bis(2-Chloroethyl)ether    | 7.38  | 93  | 334552  | 44.647 ng | 99     |
| 12) 1,3-Dichlorobenzene        | 7.85  | 146 | 362258  | 43.748 ng | 99     |
| 13) 1,4-Dichlorobenzene        | 7.99  | 146 | 364012  | 44.553 ng | 99     |
| 14) 1,2-Dichlorobenzene        | 8.32  | 146 | 344461  | 43.924 ng | 99     |
| 15) Benzyl Alcohol             | 8.19  | 79  | 309106  | 46.485 ng | 97     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.49  | 45  | 471184  | 40.644 ng | 99     |
| 17) 2-Methylphenol             | 8.40  | 107 | 307833  | 49.003 ng | 97     |
| 18) Hexachloroethane           | 9.04  | 117 | 136934  | 43.072 ng | 98     |
| 19) n-Nitroso-di-n-propylamine | 8.77  | 70  | 266884  | 42.535 ng | 97     |
| 20) 3+4-Methylphenols          | 8.73  | 107 | 431987  | 49.294 ng | 96     |
| 22) Acetophenone               | 8.78  | 105 | 495504  | 40.529 ng | # 98   |
| 24) Nitrobenzene               | 9.16  | 77  | 378515  | 41.573 ng | 99     |
| 25) Isophorone                 | 9.69  | 82  | 727055  | 42.156 ng | 98     |
| 26) 2-Nitrophenol              | 9.87  | 139 | 198833  | 46.158 ng | 100    |
| 27) 2,4-Dimethylphenol         | 9.94  | 122 | 347040  | 53.520 ng | 99     |
| 28) bis(2-Chloroethoxy)methane | 10.17 | 93  | 467784  | 40.684 ng | 99     |
| 29) 2,4-Dichlorophenol         | 10.41 | 162 | 355611  | 45.977 ng | 99     |
| 30) 1,2,4-Trichlorobenzene     | 10.63 | 180 | 356514  | 41.109 ng | 99     |
| 31) Naphthalene                | 10.81 | 128 | 1040340 | 43.716 ng | 99     |
| 32) Benzoic acid               | 10.06 | 122 | 137887  | 28.968 ng | 93     |
| 33) 4-Chloroaniline            | 10.91 | 127 | 279807  | 24.651 ng | 99     |
| 34) Hexachlorobutadiene        | 11.11 | 225 | 209519  | 39.569 ng | 95     |
| 35) Caprolactam                | 11.68 | 113 | 93092   | 32.331 ng | 98     |
| 36) 4-Chloro-3-methylphenol    | 12.04 | 107 | 385306  | 46.795 ng | 99     |
| 37) 2-Methylnaphthalene        | 12.42 | 142 | 786480  | 43.897 ng | 97     |
| 38) 1-Methylnaphthalene        | 12.63 | 142 | 751766  | 44.272 ng | 98     |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.79 | 216 | 376228  | 39.360 ng | 99     |

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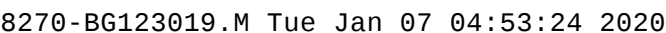
Instrument :  
BNA\_G  
ClientSampleId :  
IDOC-W-03-CG

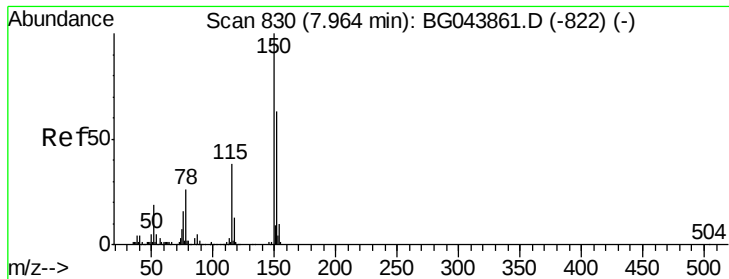
Quant Time: Jan 07 04:55:07 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG123019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Dec 31 13:32:23 2019  
Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 12.78 | 237  | 495968   | 100.084 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol      | 13.02 | 196  | 284773   | 43.298  | ng    | 98       |
| 44) 2,4,5-Trichlorophenol      | 13.10 | 196  | 311084   | 45.859  | ng    | 98       |
| 46) 1,1'-Biphenyl              | 13.43 | 154  | 1001403  | 42.827  | ng    | 99       |
| 47) 2-Chloronaphthalene        | 13.47 | 162  | 778679   | 41.212  | ng    | 99       |
| 48) 2-Nitroaniline             | 13.66 | 65   | 251017   | 41.301  | ng    | 97       |
| 49) Acenaphthylene             | 14.32 | 152  | 1225211  | 45.116  | ng    | 98       |
| 50) Dimethylphthalate          | 14.04 | 163  | 1001620  | 43.256  | ng    | 99       |
| 51) 2,6-Dinitrotoluene         | 14.16 | 165  | 232972   | 44.513  | ng    | 98       |
| 52) Acenaphthene               | 14.66 | 154  | 790993   | 41.533  | ng    | 99       |
| 53) 3-Nitroaniline             | 14.49 | 138  | 183636   | 30.898  | ng    | 98       |
| 54) 2,4-Dinitrophenol          | 14.69 | 184  | 203477   | 76.566  | ng    | 99       |
| 55) Dibenzofuran               | 14.99 | 168  | 1178991  | 44.970  | ng    | 100      |
| 56) 4-Nitrophenol              | 14.80 | 139  | 443629   | 97.406  | ng    | 98       |
| 57) 2,4-Dinitrotoluene         | 14.94 | 165  | 327403   | 45.974  | ng    | 96       |
| 58) Fluorene                   | 15.64 | 166  | 935980   | 45.043  | ng    | 97       |
| 59) 2,3,4,6-Tetrachlorophenol  | 15.22 | 232  | 271131   | 46.482  | ng    | 97       |
| 60) Diethylphthalate           | 15.41 | 149  | 1024049  | 44.216  | ng    | 99       |
| 61) 4-Chlorophenyl-phenylether | 15.63 | 204  | 486402   | 43.108  | ng    | 100      |
| 62) 4-Nitroaniline             | 15.65 | 138  | 252581   | 43.035  | ng    | 98       |
| 63) Azobenzene                 | 15.92 | 77   | 960049   | 44.698  | ng    | 99       |
| 65) 4,6-Dinitro-2-methylphenol | 15.71 | 198  | 166906   | 45.118  | ng    | 98       |
| 66) n-Nitrosodiphenylamine     | 15.85 | 169  | 896091   | 42.107  | ng    | 98       |
| 67) 4-Bromophenyl-phenylether  | 16.52 | 248  | 316841   | 38.983  | ng    | 99       |
| 68) Hexachlorobenzene          | 16.65 | 284  | 343825   | 39.259  | ng    | 99       |
| 69) Atrazine                   | 16.79 | 200  | 347538   | 50.240  | ng    | 99       |
| 70) Pentachlorophenol          | 16.99 | 266  | 379316   | 78.570  | ng    | 98       |
| 71) Phenanthrene               | 17.38 | 178  | 1484971  | 42.841  | ng    | 100      |
| 72) Anthracene                 | 17.47 | 178  | 1545274  | 45.110  | ng    | 99       |
| 73) Carbazole                  | 17.73 | 167  | 1400700  | 44.266  | ng    | 100      |
| 74) Di-n-butylphthalate        | 18.30 | 149  | 1715952  | 42.474  | ng    | 99       |
| 75) Fluoranthene               | 19.39 | 202  | 1711920  | 43.186  | ng    | 99       |
| 77) Benzidine                  | 19.56 | 184  | 844795   | 53.388  | ng    | 99       |
| 78) Pyrene                     | 19.74 | 202  | 1722628  | 41.921  | ng    | 99       |
| 80) Butylbenzylphthalate       | 20.64 | 149  | 809811   | 41.394  | ng    | 99       |
| 81) Benzo(a)anthracene         | 21.57 | 228  | 1665862  | 42.675  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine     | 21.48 | 252  | 517077   | 33.528  | ng    | 99       |
| 83) Chrysene                   | 21.63 | 228  | 1574614  | 42.452  | ng    | 100      |
| 84) Bis(2-ethylhexyl)phthalate | 21.49 | 149  | 1144006  | 42.380  | ng    | 99       |
| 85) Di-n-octyl phthalate       | 22.68 | 149  | 1966818  | 43.340  | ng    | 99       |
| 86) Indeno(1,2,3-cd)pyrene     | 28.26 | 276  | 2008617  | 39.848  | ng    | # 89     |
| 88) Benzo(b)fluoranthene       | 23.72 | 252  | 1776943  | 42.590  | ng    | 99       |
| 89) Benzo(k)fluoranthene       | 23.79 | 252  | 1712474  | 43.163  | ng    | 100      |
| 90) Benzo(a)pyrene             | 24.57 | 252  | 1646395  | 41.810  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene     | 28.32 | 278  | 1682364  | 42.541  | ng    | 97       |
| 92) Benzo(g,h,i)perylene       | 29.36 | 276  | 1665075  | 42.387  | ng    | 97       |

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

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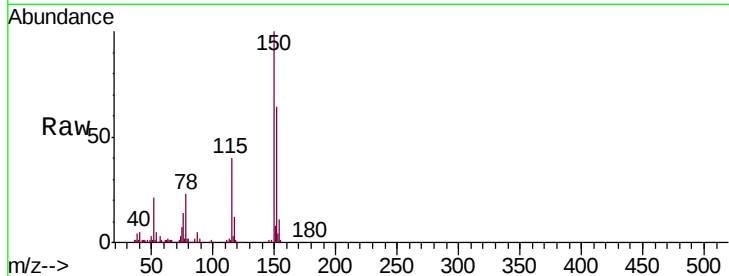


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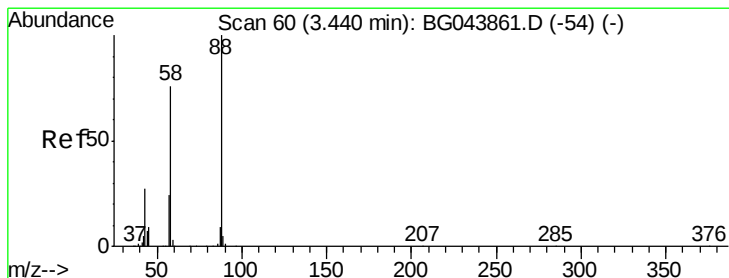
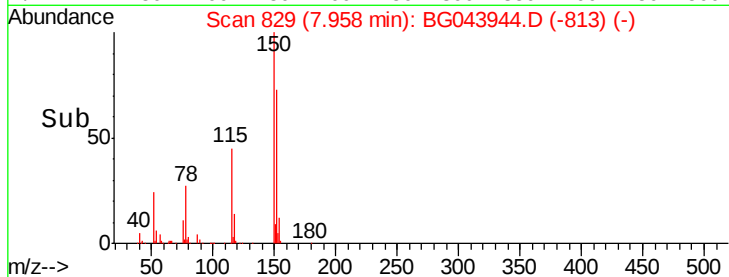
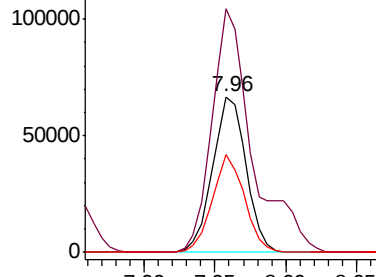
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.96 min Scan# 829  
Delta R.T. -0.01 min  
Lab File: BG043944.D  
Acq: 6 Jan 2020 23:28

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BNA\_G  
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Tgt Ion:152 Resp: 110673  
Ion Ratio Lower Upper  
152 100  
150 156.2 127.0 190.4  
115 62.4 47.8 71.8



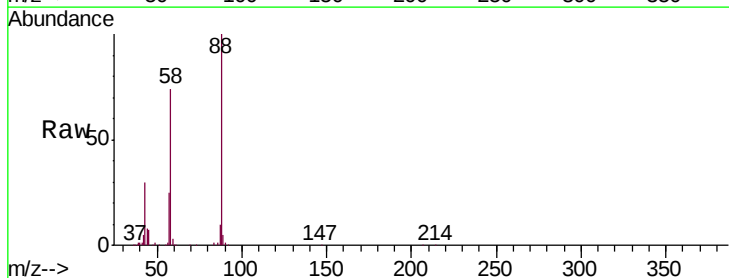
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



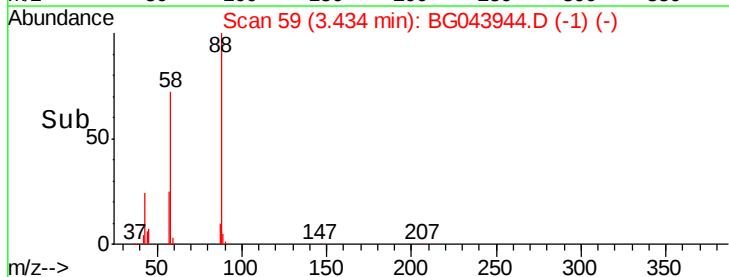
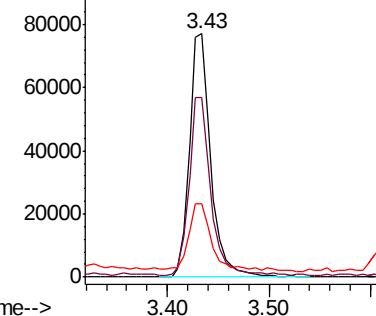
#2

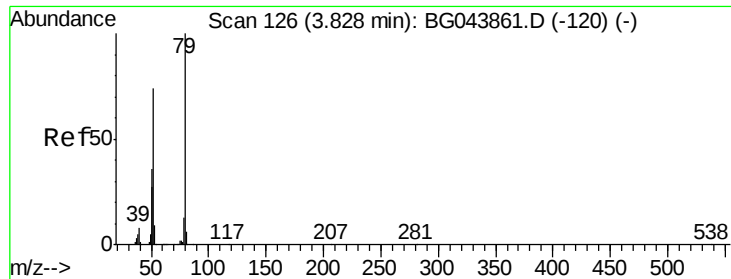
1,4-Dioxane  
Concen: 42.606 ng  
RT: 3.43 min Scan# 59  
Delta R.T. -0.01 min  
Lab File: BG043944.D  
Acq: 6 Jan 2020 23:28

Tgt Ion: 88 Resp: 111975  
Ion Ratio Lower Upper  
88 100  
58 73.5 59.8 89.8  
43 27.8 22.9 34.3



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





#3

Pyridine

Concen: 36.510 ng

RT: 3.82 min Scan# 125

Delta R.T. -0.01 min

Lab File: BG043944.D

Acq: 6 Jan 2020 23:28

Instrument :

BNA\_G

ClientSampleId :

IDOC-W-03-CG

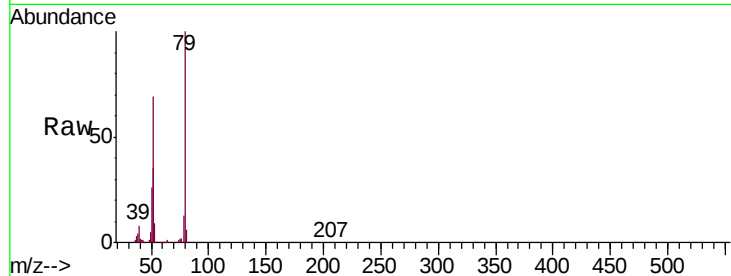
Tgt Ion: 79 Resp: 283463

Ion Ratio Lower Upper

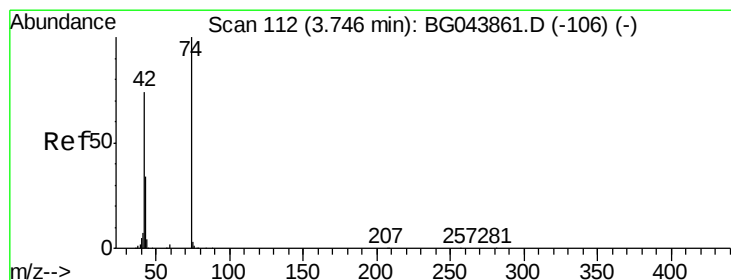
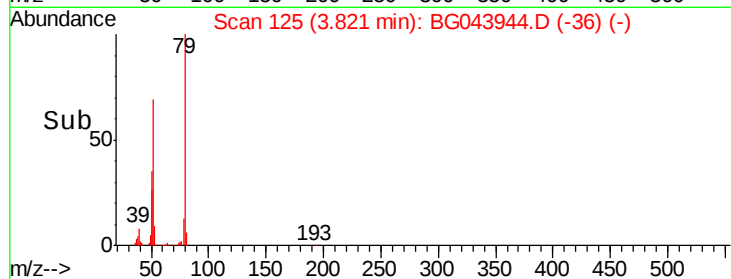
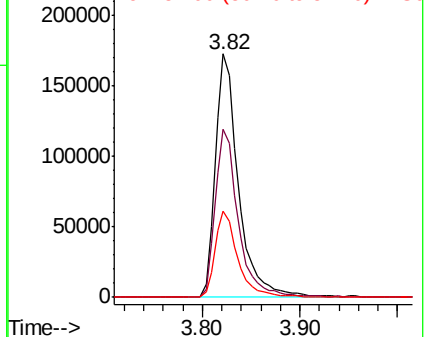
79 100

52 69.0 58.9 88.3

51 35.4 28.6 43.0



Abundance Ion 79.00 (78.70 to 79.70): BGC  
Ion 52.00 (51.70 to 52.70): BGC  
Ion 51.00 (50.70 to 51.70): BGC



#4

n-Nitrosodimethylamine

Concen: 43.711 ng

RT: 3.74 min Scan# 111

Delta R.T. -0.01 min

Lab File: BG043944.D

Acq: 6 Jan 2020 23:28

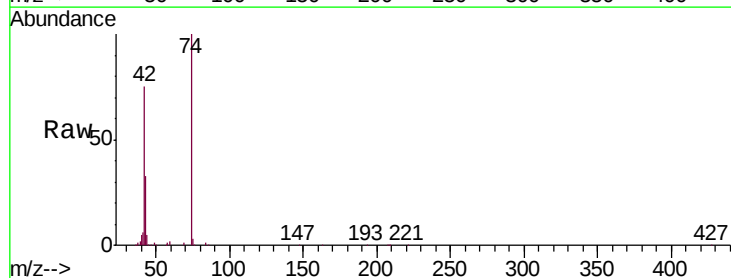
Tgt Ion: 42 Resp: 151093

Ion Ratio Lower Upper

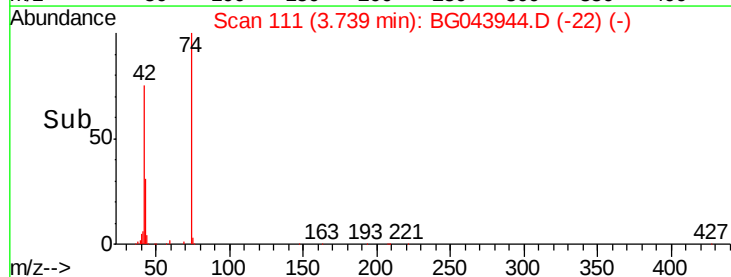
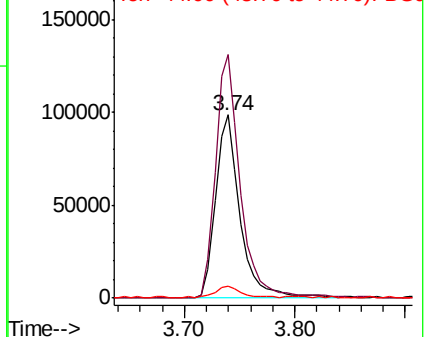
42 100

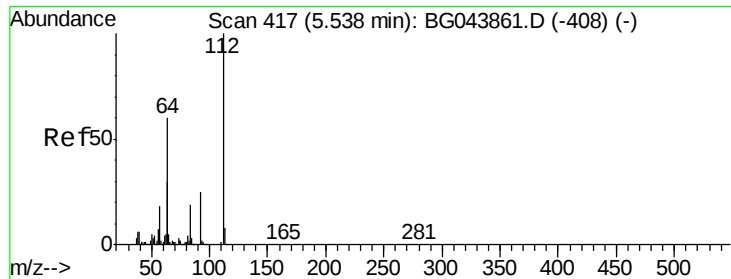
74 132.8 108.6 162.8

44 6.9 5.0 7.6



Abundance Ion 42.00 (41.70 to 42.70): BGC  
Ion 74.00 (73.70 to 74.70): BGC  
Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 136.487 ng

RT: 5.54 min Scan# 417

Delta R.T. -0.00 min

Lab File: BG043944.D

Acq: 6 Jan 2020 23:28

Instrument :

BNA\_G

ClientSampleId :

IDOC-W-03-CG

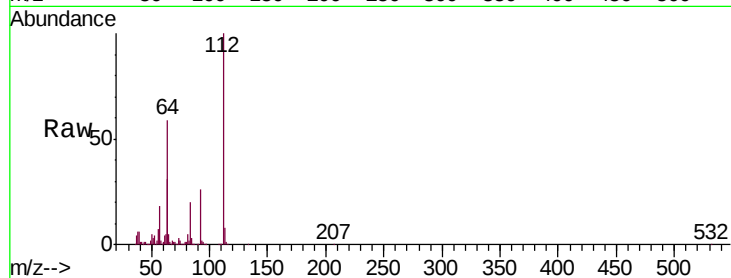
Tgt Ion: 112 Resp: 822682

Ion Ratio Lower Upper

112 100

64 59.1 47.8 71.6

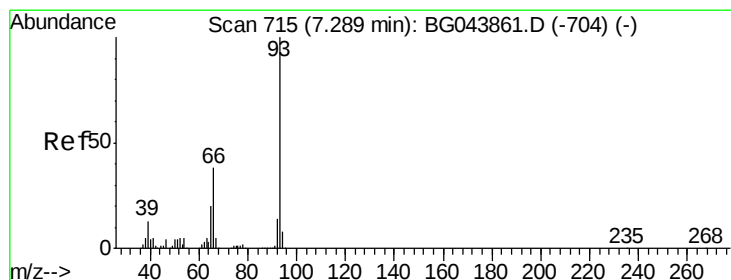
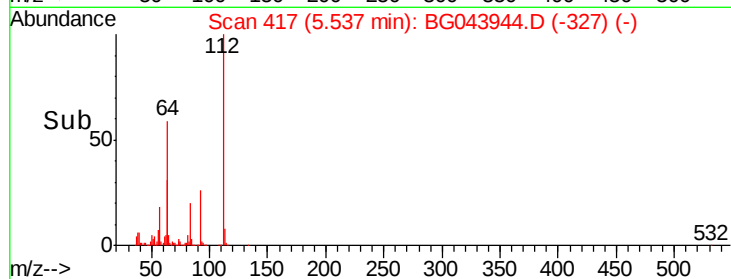
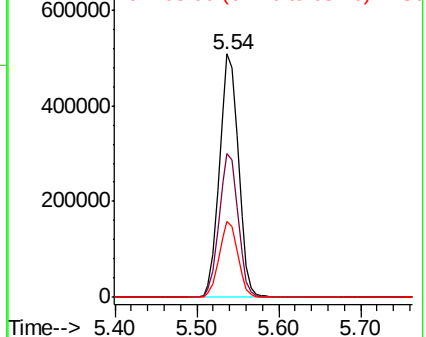
63 31.2 24.3 36.5



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 34.012 ng

RT: 7.28 min Scan# 714

Delta R.T. -0.01 min

Lab File: BG043944.D

Acq: 6 Jan 2020 23:28

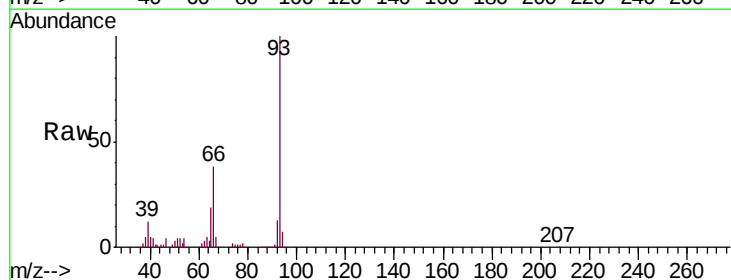
Tgt Ion: 93 Resp: 376398

Ion Ratio Lower Upper

93 100

66 37.6 30.8 46.2

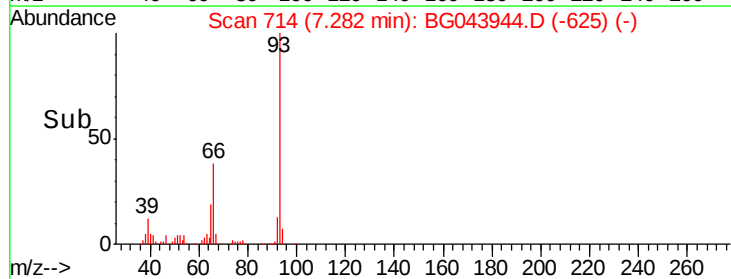
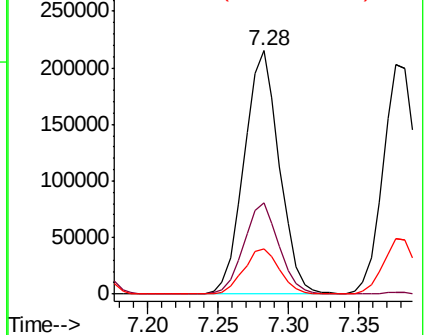
65 18.7 16.0 24.0

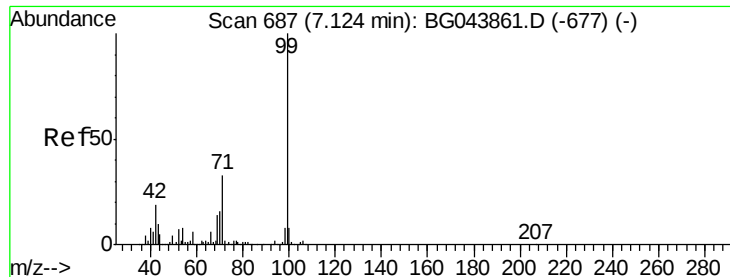


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 130.380 ng

RT: 7.13 min Scan# 688

Delta R.T. 0.01 min

Lab File: BG043944.D

Acq: 6 Jan 2020 23:28

Instrument :

BNA\_G

ClientSampleId :

IDOC-W-03-CG

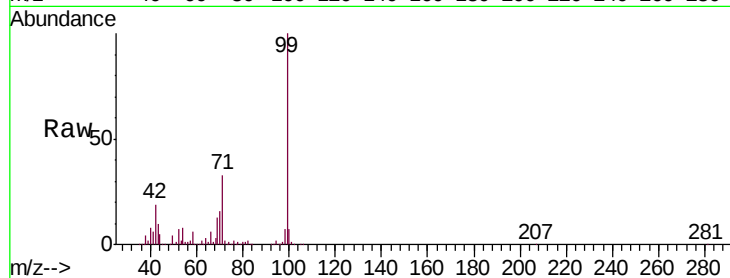
Tgt Ion: 99 Resp: 1098502

Ion Ratio Lower Upper

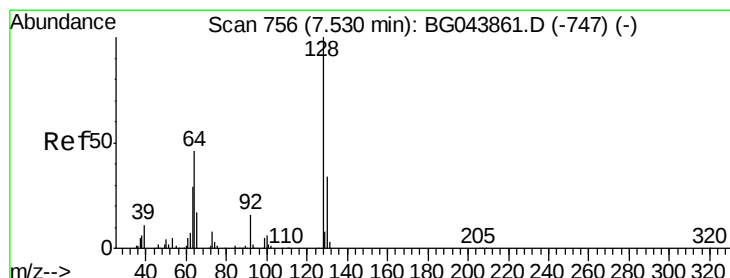
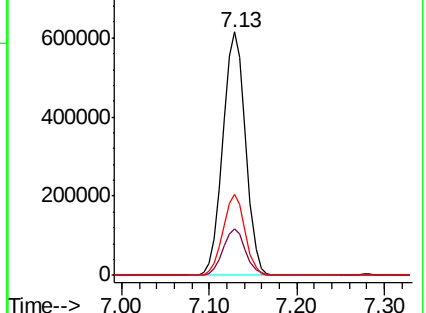
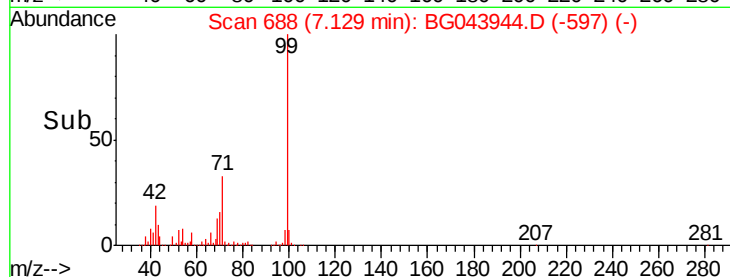
99 100

42 19.2 14.9 22.3

71 33.5 26.4 39.6



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: 50.069 ng

RT: 7.53 min Scan# 756

Delta R.T. -0.00 min

Lab File: BG043944.D

Acq: 6 Jan 2020 23:28

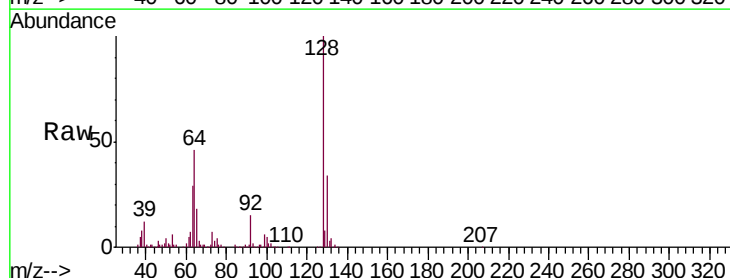
Tgt Ion: 128 Resp: 354295

Ion Ratio Lower Upper

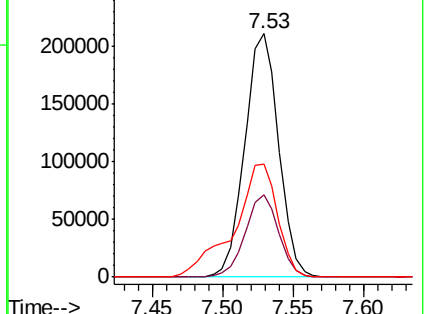
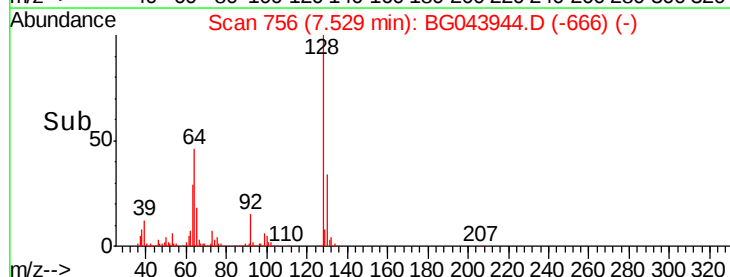
128 100

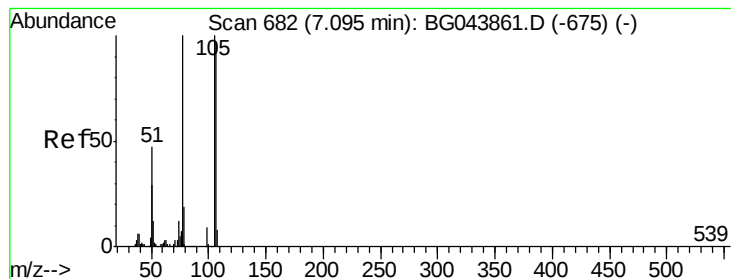
130 33.8 13.8 53.8

64 46.3 27.6 67.6



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





#9

Benzaldehyde

Concen: 38.518 ng

RT: 7.09 min Scan# 682

Delta R.T. -0.00 min

Lab File: BG043944.D

Acq: 6 Jan 2020 23:28

Instrument :

BNA\_G

ClientSampleId :

IDOC-W-03-CG

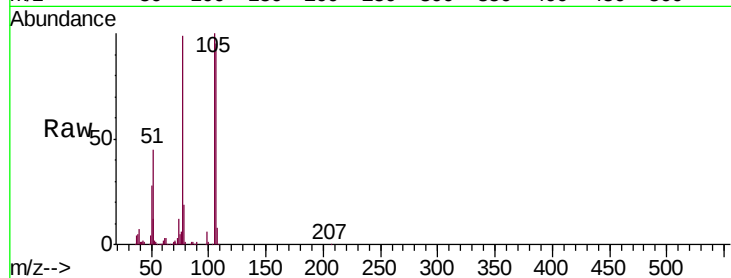
Tgt Ion: 77 Resp: 207709

Ion Ratio Lower Upper

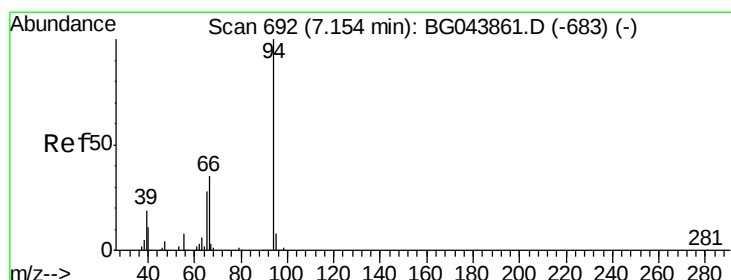
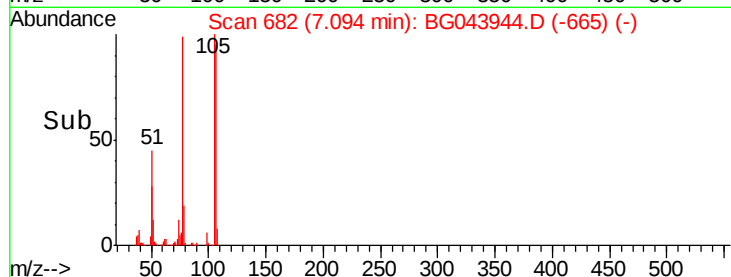
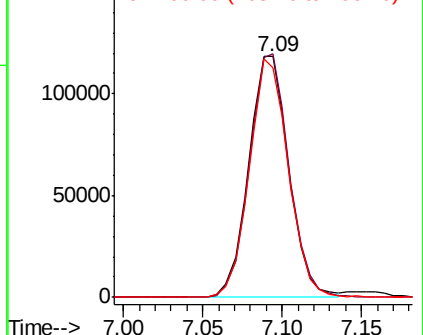
77 100

105 101.1 80.2 120.2

106 95.6 77.2 117.2



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: 50.972 ng

RT: 7.15 min Scan# 692

Delta R.T. -0.00 min

Lab File: BG043944.D

Acq: 6 Jan 2020 23:28

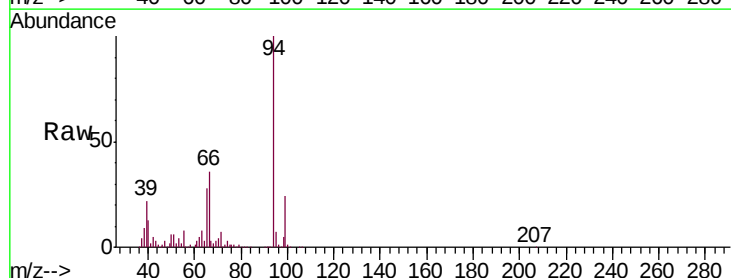
Tgt Ion: 94 Resp: 442477

Ion Ratio Lower Upper

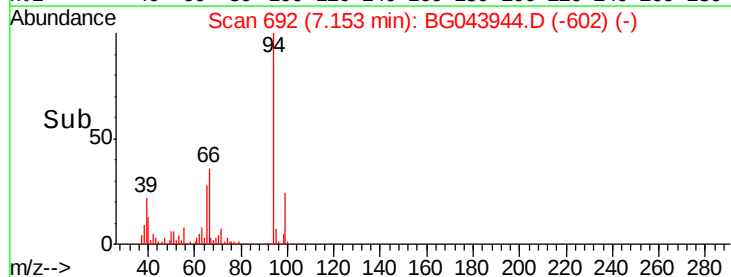
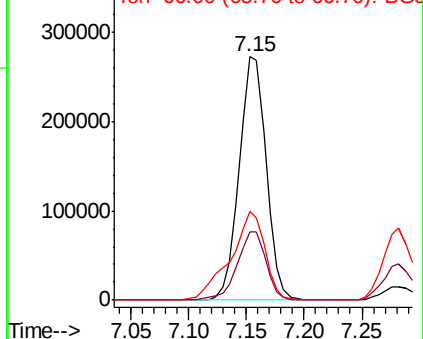
94 100

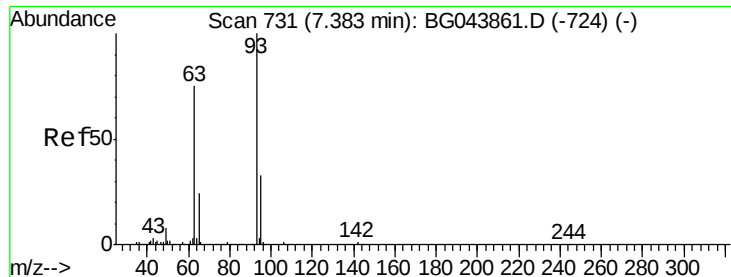
65 28.2 8.1 48.1

66 36.3 15.6 55.6



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

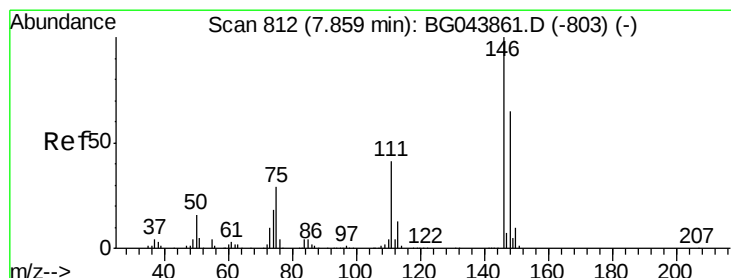
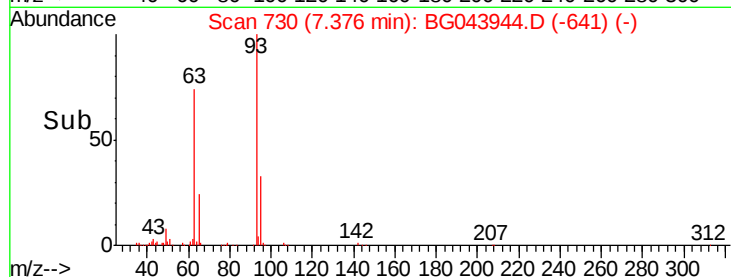
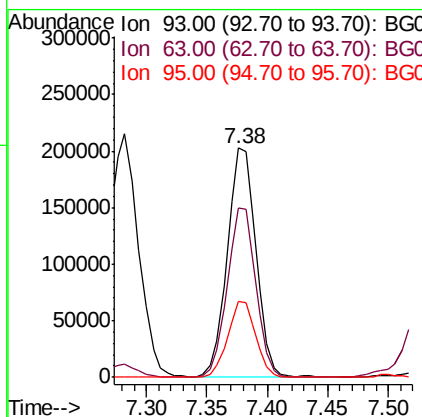
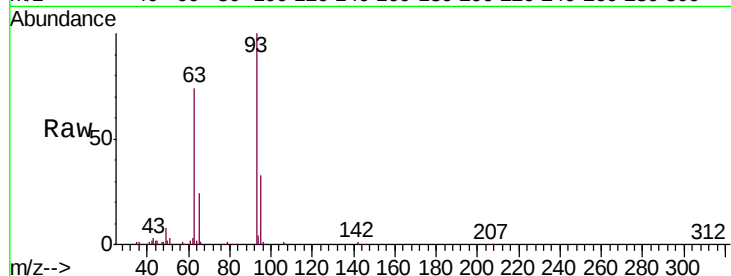




#11  
bis(2-Chloroethyl)ether  
Concen: 44.647 ng  
RT: 7.38 min Scan# 730  
Delta R.T. -0.01 min  
Lab File: BG043944.D  
Acq: 6 Jan 2020 23:28

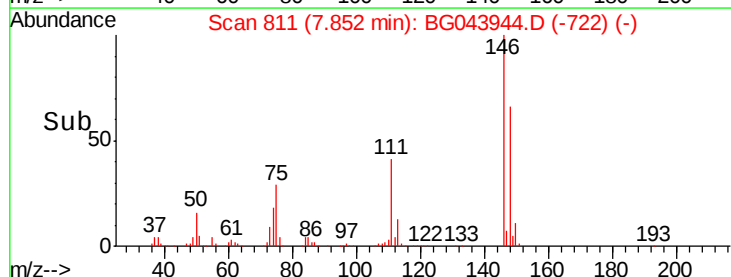
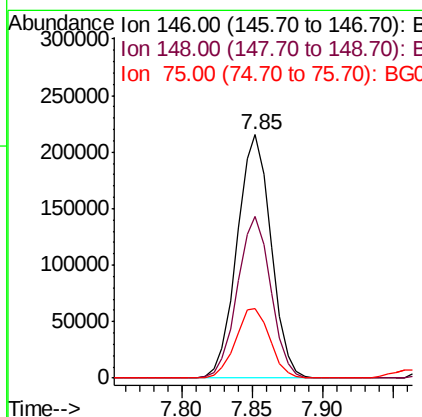
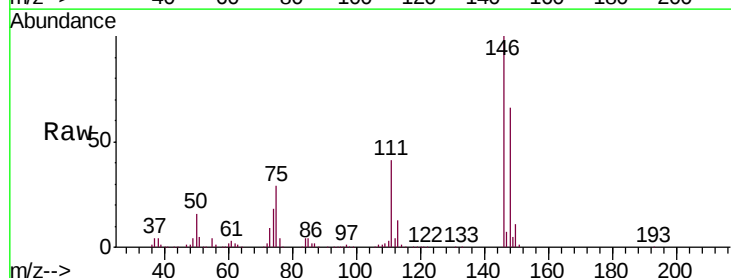
Instrument :  
BNA\_G  
ClientSampleId :  
IDOC-W-03-CG

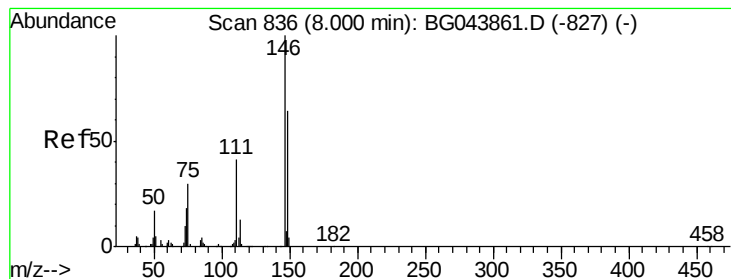
Tgt Ion: 93 Resp: 334552  
Ion Ratio Lower Upper  
93 100  
63 74.0 55.0 95.0  
95 33.3 13.3 53.3



#12  
1,3-Dichlorobenzene  
Concen: 43.748 ng  
RT: 7.85 min Scan# 811  
Delta R.T. -0.01 min  
Lab File: BG043944.D  
Acq: 6 Jan 2020 23:28

Tgt Ion: 146 Resp: 362258  
Ion Ratio Lower Upper  
146 100  
148 66.2 52.1 78.1  
75 28.7 23.0 34.4





#13

1,4-Dichlorobenzene

Concen: 44.553 ng

RT: 7.99 min Scan# 835

Delta R.T. -0.01 min

Lab File: BG043944.D

Acq: 6 Jan 2020 23:28

Instrument :

BNA\_G

ClientSampleId :

IDOC-W-03-CG

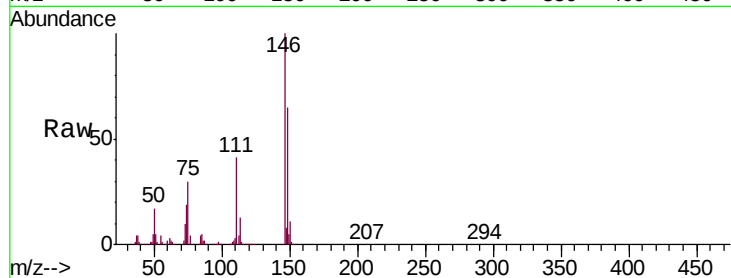
Tgt Ion:146 Resp: 364012

Ion Ratio Lower Upper

146 100

148 64.7 51.2 76.8

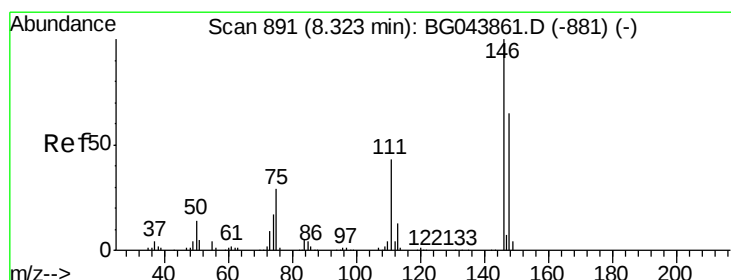
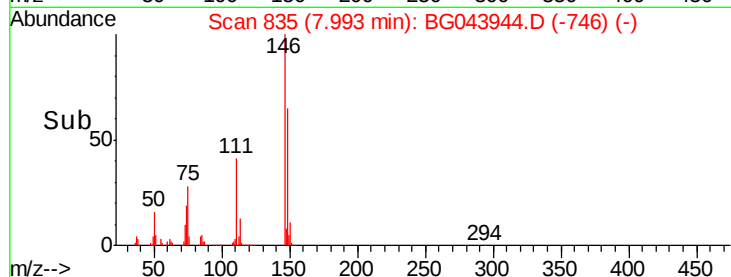
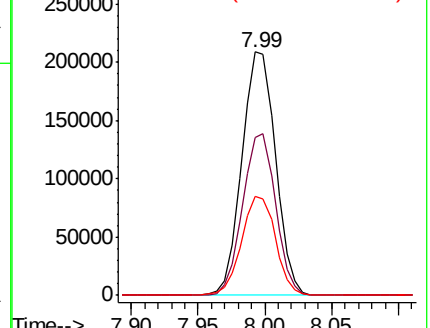
111 40.6 33.1 49.7



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 43.924 ng

RT: 8.32 min Scan# 890

Delta R.T. -0.01 min

Lab File: BG043944.D

Acq: 6 Jan 2020 23:28

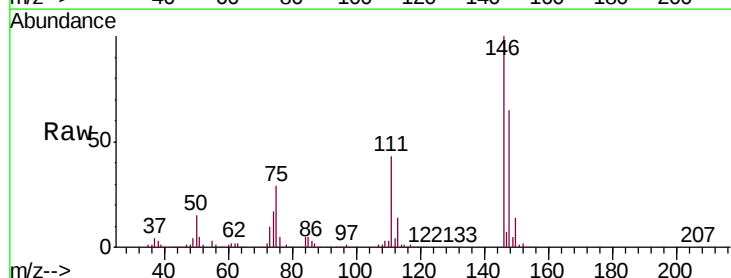
Tgt Ion:146 Resp: 344461

Ion Ratio Lower Upper

146 100

148 65.3 51.7 77.5

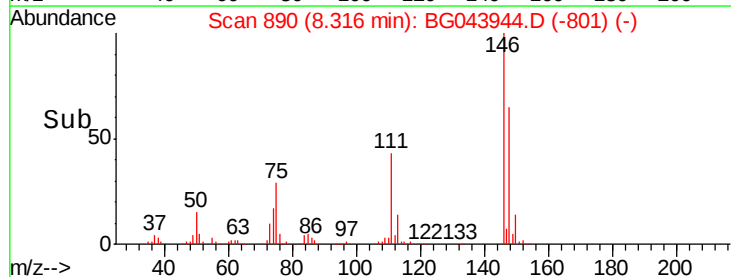
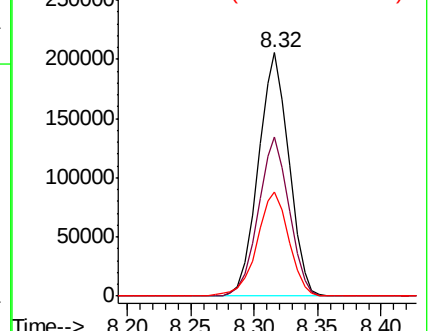
111 42.6 34.4 51.6

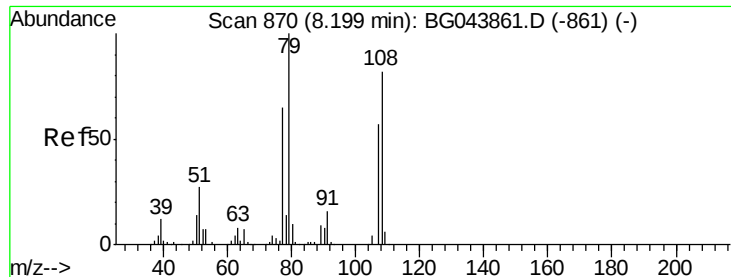


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 46.485 ng

RT: 8.19 min Scan# 869

Delta R.T. -0.01 min

Lab File: BG043944.D

Acq: 6 Jan 2020 23:28

Instrument :

BNA\_G

ClientSampleId :

IDOC-W-03-CG

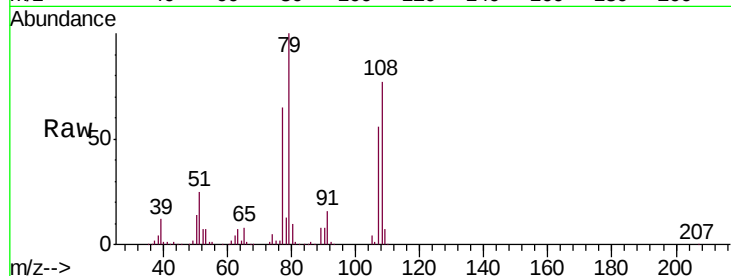
Tgt Ion: 79 Resp: 309106

Ion Ratio Lower Upper

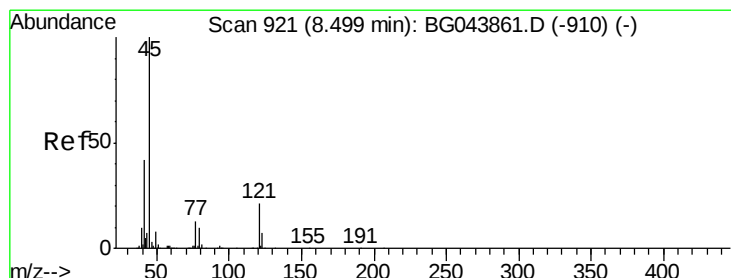
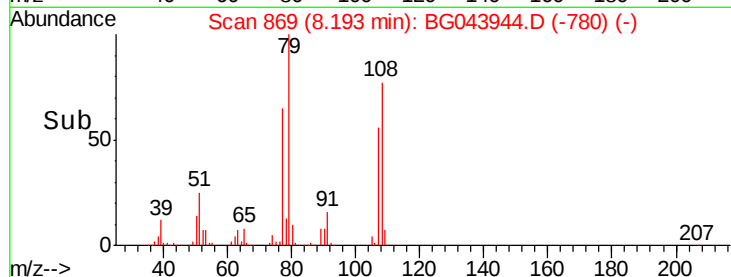
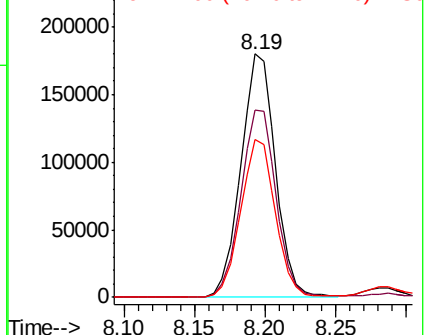
79 100

108 77.0 65.6 98.4

77 64.8 52.0 78.0



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: 40.644 ng

RT: 8.49 min Scan# 920

Delta R.T. -0.01 min

Lab File: BG043944.D

Acq: 6 Jan 2020 23:28

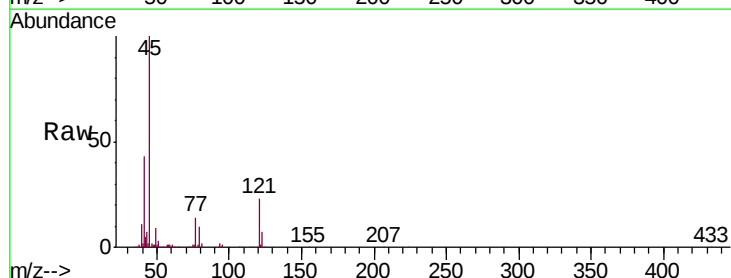
Tgt Ion: 45 Resp: 471184

Ion Ratio Lower Upper

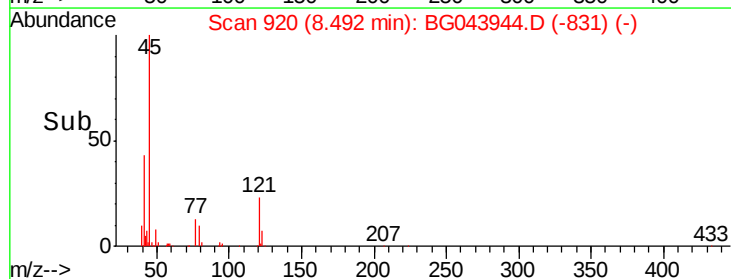
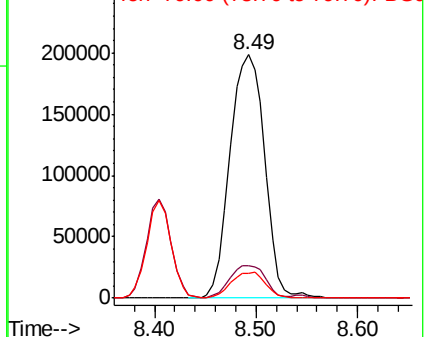
45 100

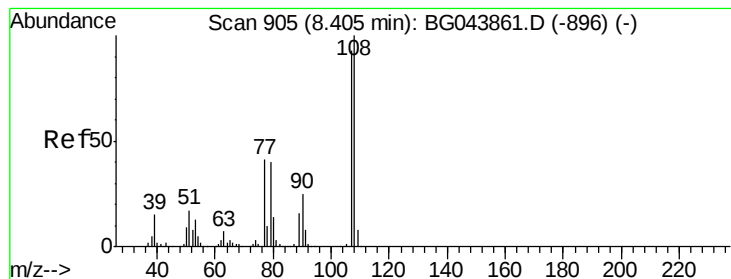
77 13.5 0.0 33.8

79 10.4 0.0 31.0



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: 49.003 ng

RT: 8.40 min Scan# 905

Delta R.T. -0.00 min

Lab File: BG043944.D

Acq: 6 Jan 2020 23:28

Instrument :

BNA\_G

ClientSampleId :

IDOC-W-03-CG

Tgt Ion:107 Resp: 307833

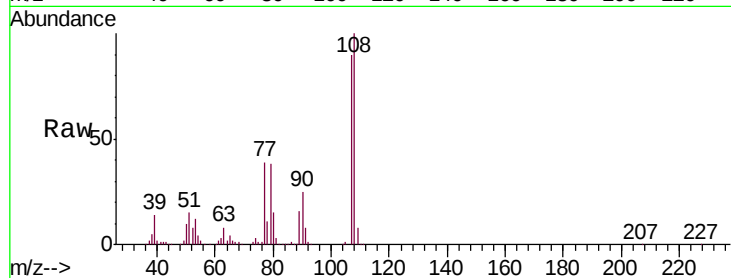
Ion Ratio Lower Upper

107 100

108 111.6 86.1 129.1

77 43.6 35.4 53.0

79 43.0 34.8 52.2

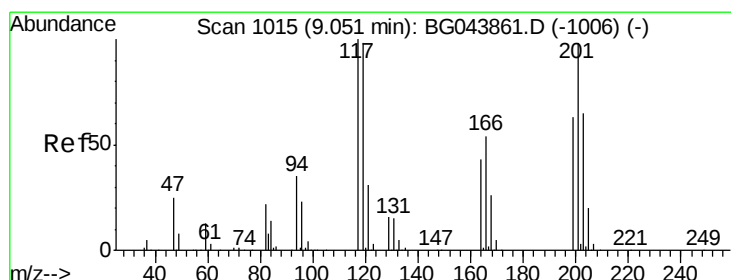
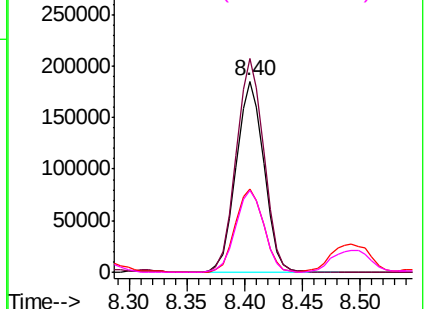
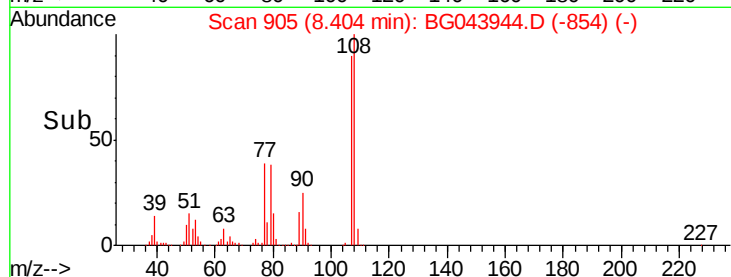


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



#18

Hexachloroethane

Concen: 43.072 ng

RT: 9.04 min Scan# 1014

Delta R.T. -0.01 min

Lab File: BG043944.D

Acq: 6 Jan 2020 23:28

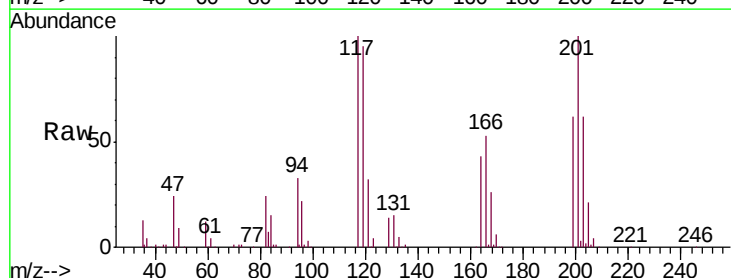
Tgt Ion:117 Resp: 136934

Ion Ratio Lower Upper

117 100

119 95.2 78.1 117.1

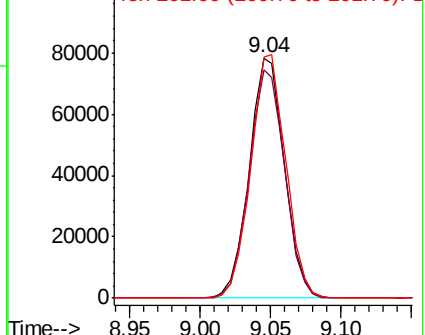
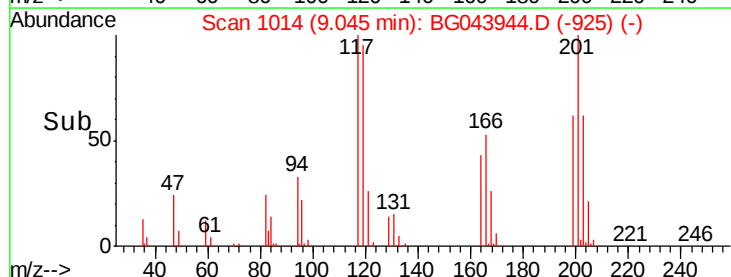
201 100.4 78.6 117.8

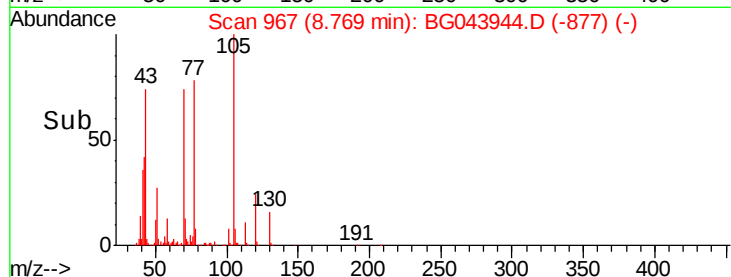
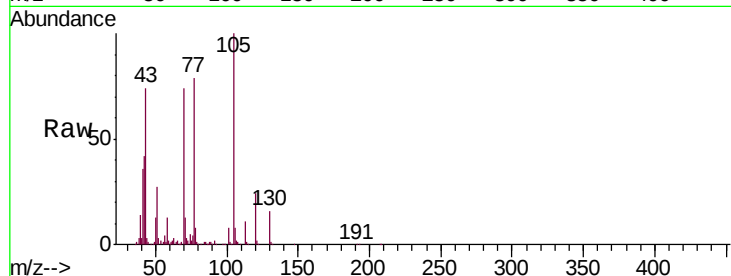
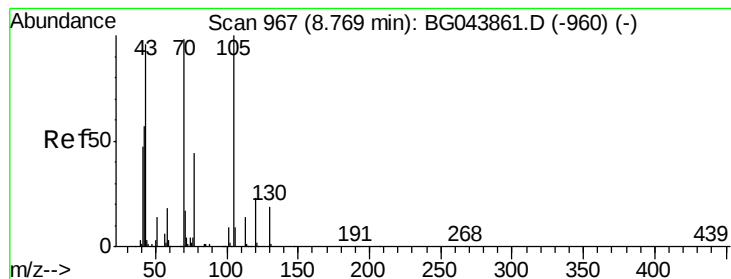


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 42.535 ng

RT: 8.77 min Scan# 967

Delta R.T. -0.00 min

Lab File: BG043944.D

Acq: 6 Jan 2020 23:28

Instrument :

BNA\_G

ClientSampleId :

IDOC-W-03-CG

Tgt Ion: 70 Resp: 266884

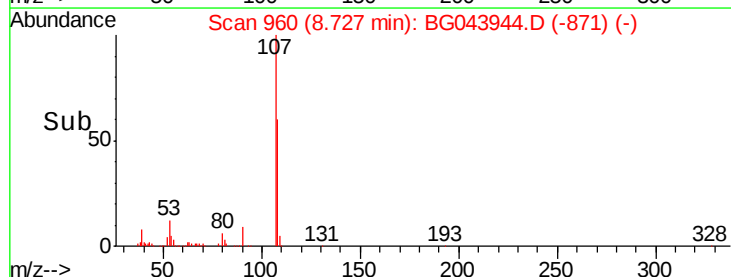
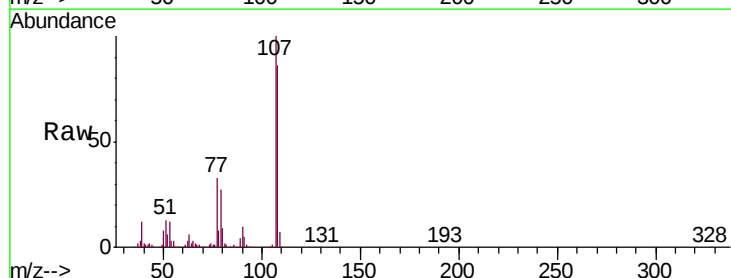
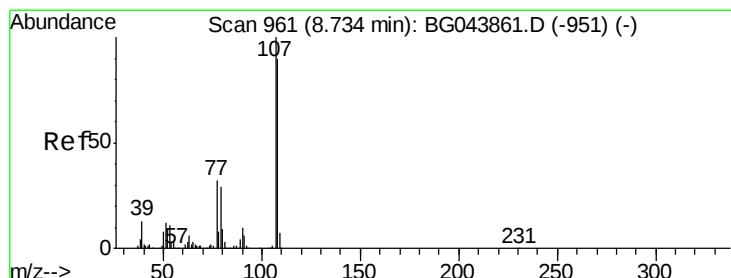
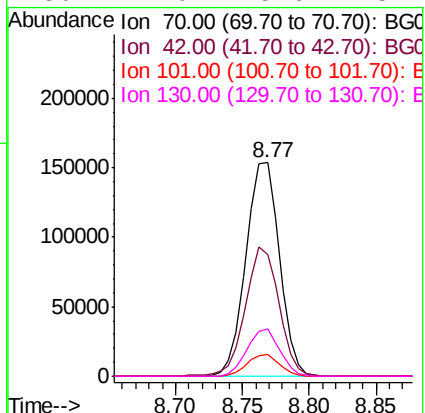
Ion Ratio Lower Upper

70 100

42 56.7 47.0 70.4

101 10.1 7.2 10.8

130 22.0 15.6 23.4



#20

3+4-Methylphenols

Concen: 49.294 ng

RT: 8.73 min Scan# 960

Delta R.T. -0.01 min

Lab File: BG043944.D

Acq: 6 Jan 2020 23:28

Tgt Ion: 107 Resp: 431987

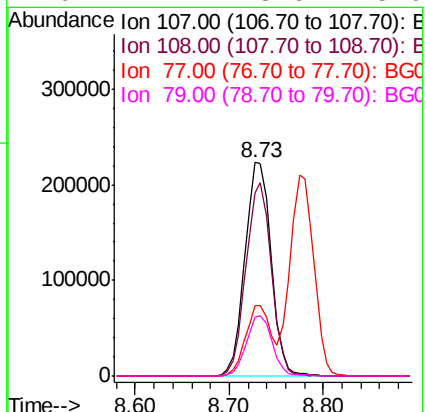
Ion Ratio Lower Upper

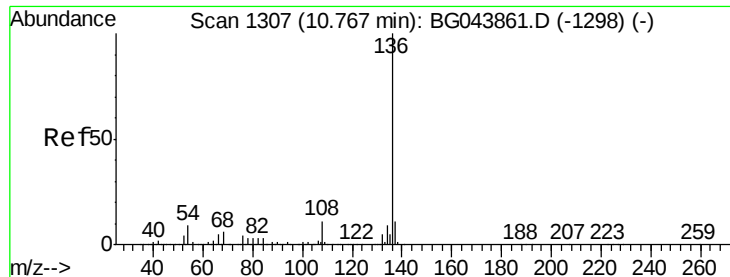
107 100

108 85.6 70.3 110.3

77 32.7 12.4 52.4

79 27.4 8.6 48.6

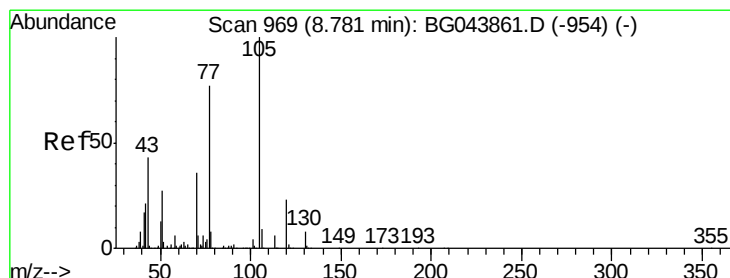
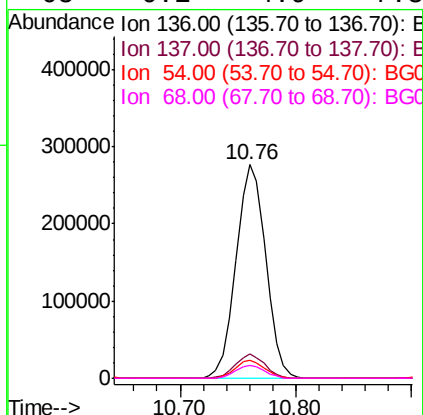
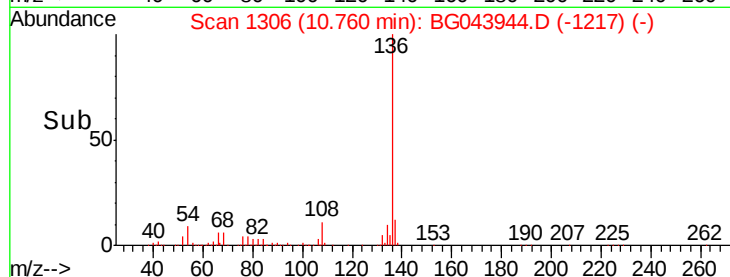
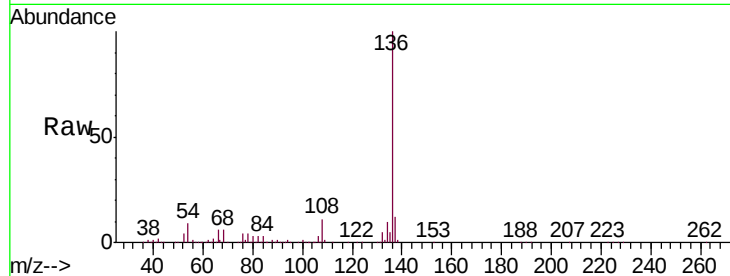




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.76 min Scan# 1306  
Delta R.T. -0.01 min  
Lab File: BG043944.D  
Acq: 6 Jan 2020 23:28

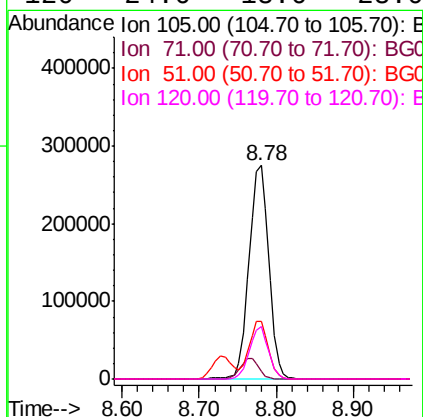
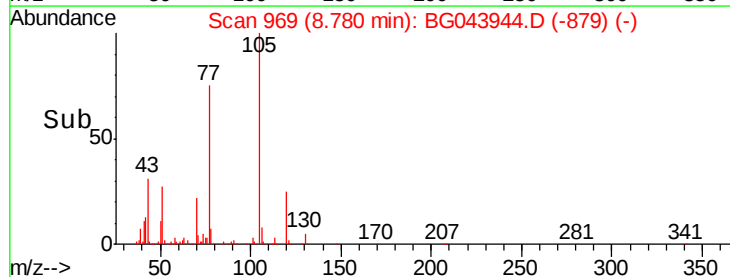
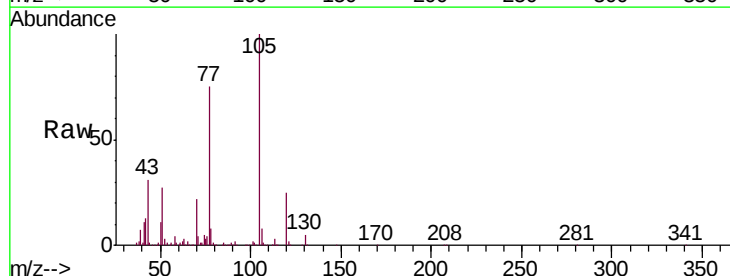
Instrument :  
BNA\_G  
ClientSampleId :  
IDOC-W-03-CG

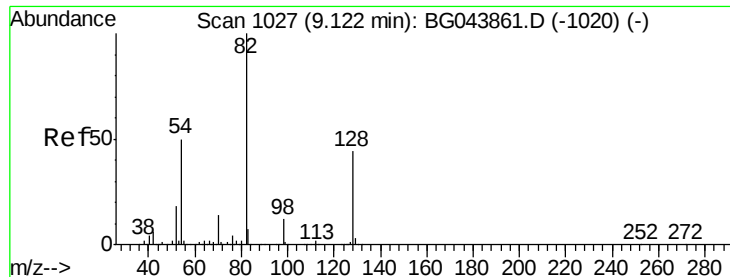
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 491779 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.6  | 8.8   | 13.2   |
| 54       | 8.7   | 7.0   | 10.4   |
| 68       | 6.1   | 4.9   | 7.3    |



#22  
Acetophenone  
Concen: 40.529 ng  
RT: 8.78 min Scan# 969  
Delta R.T. -0.00 min  
Lab File: BG043944.D  
Acq: 6 Jan 2020 23:28

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 105   | Resp: | 495504 |
| Ion      | Ratio | Lower | Upper  |
| 105      | 100   |       |        |
| 71       | 3.6   | 4.8   | 7.2#   |
| 51       | 26.9  | 21.4  | 32.0   |
| 120      | 24.6  | 18.6  | 28.0   |

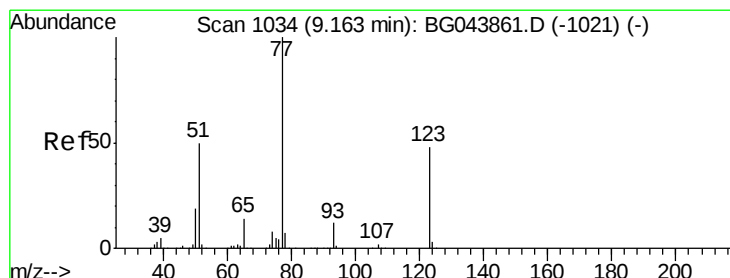
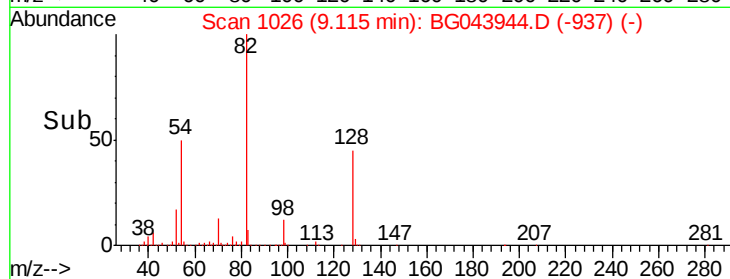
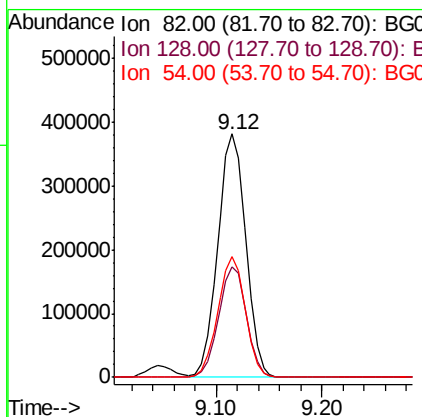
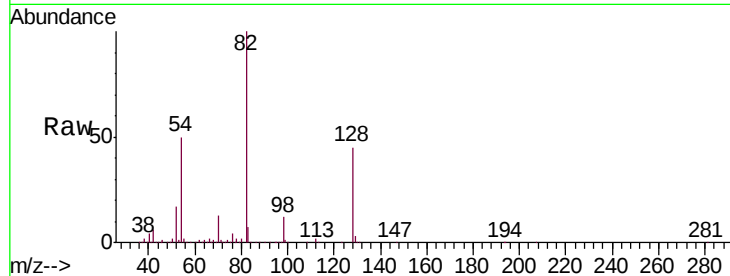




#23  
 Nitrobenzene-d5  
 Concen: 76.385 ng  
 RT: 9.12 min Scan# 1026  
 Delta R.T. -0.01 min  
 Lab File: BG043944.D  
 Acq: 6 Jan 2020 23:28

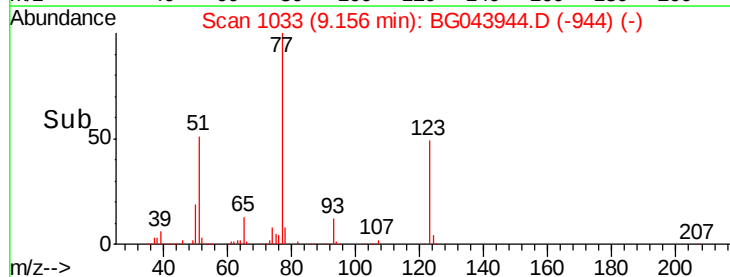
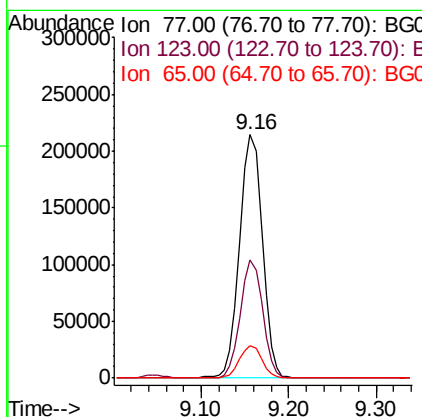
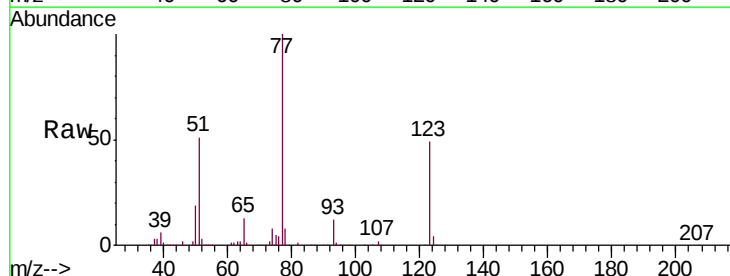
Instrument :  
 BNA\_G  
 ClientSampleId :  
 IDOC-W-03-CG

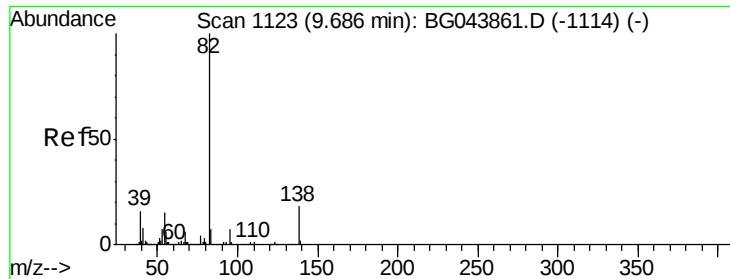
Tgt Ion: 82 Resp: 702194  
 Ion Ratio Lower Upper  
 82 100  
 128 45.2 35.1 52.7  
 54 49.6 40.1 60.1



#24  
 Nitrobenzene  
 Concen: 41.573 ng  
 RT: 9.16 min Scan# 1033  
 Delta R.T. -0.01 min  
 Lab File: BG043944.D  
 Acq: 6 Jan 2020 23:28

Tgt Ion: 77 Resp: 378515  
 Ion Ratio Lower Upper  
 77 100  
 123 48.6 38.7 58.1  
 65 13.2 11.1 16.7

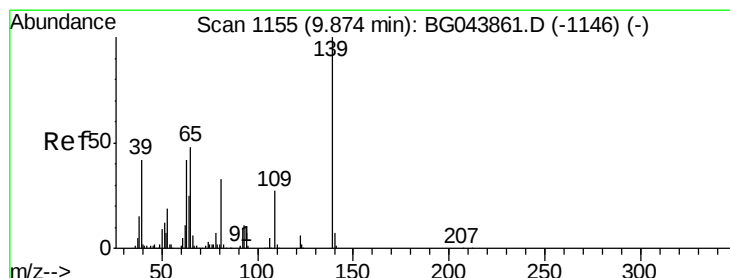
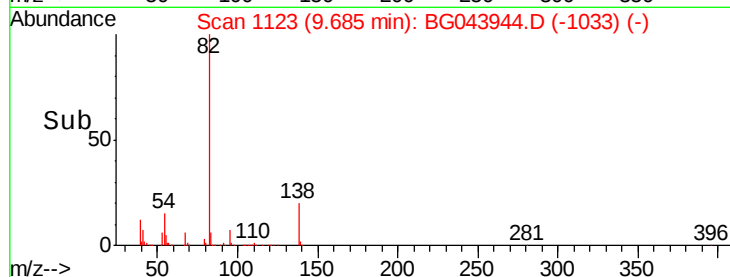
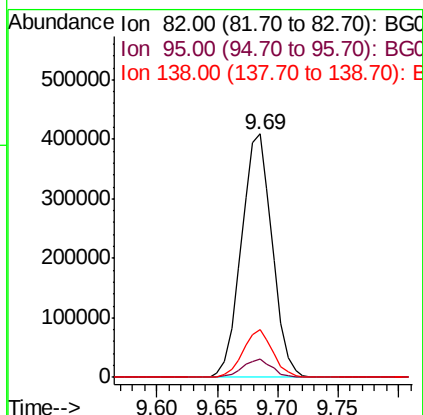
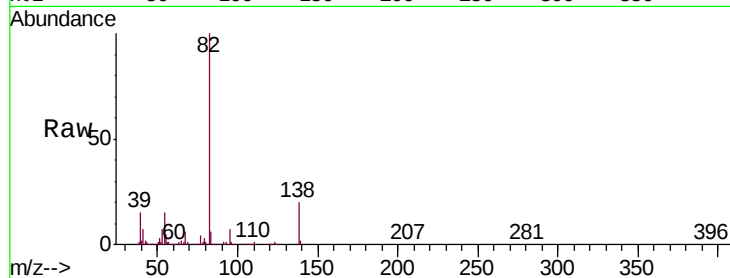




#25  
Isophorone  
Concen: 42.156 ng  
RT: 9.69 min Scan# 1123  
Delta R.T. -0.00 min  
Lab File: BG043944.D  
Acq: 6 Jan 2020 23:28

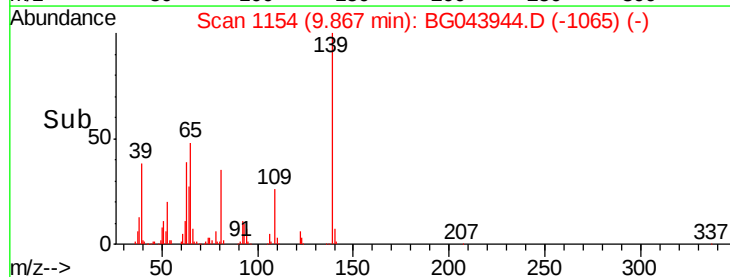
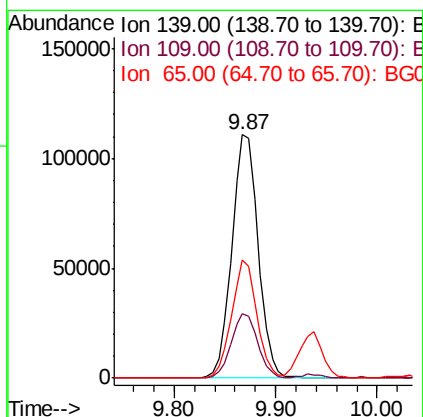
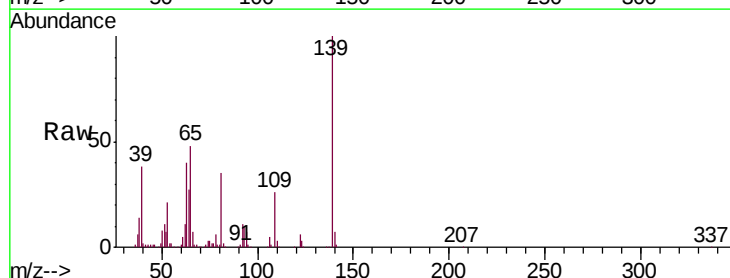
Instrument :  
BNA\_G  
ClientSampleId :  
IDOC-W-03-CG

Tgt Ion: 82 Resp: 727055  
Ion Ratio Lower Upper  
82 100  
95 7.4 5.8 8.6  
138 19.5 14.6 22.0



#26  
2-Nitrophenol  
Concen: 46.158 ng  
RT: 9.87 min Scan# 1154  
Delta R.T. -0.01 min  
Lab File: BG043944.D  
Acq: 6 Jan 2020 23:28

Tgt Ion: 139 Resp: 198833  
Ion Ratio Lower Upper  
139 100  
109 26.5 21.3 31.9  
65 48.3 38.6 57.8

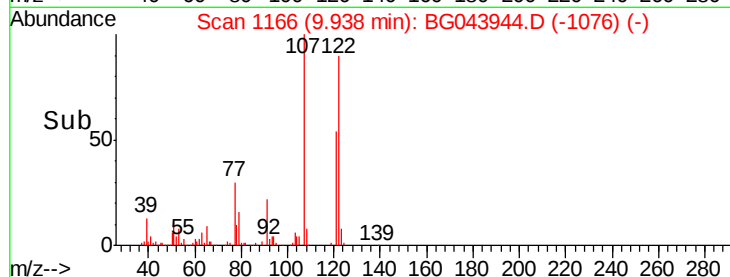
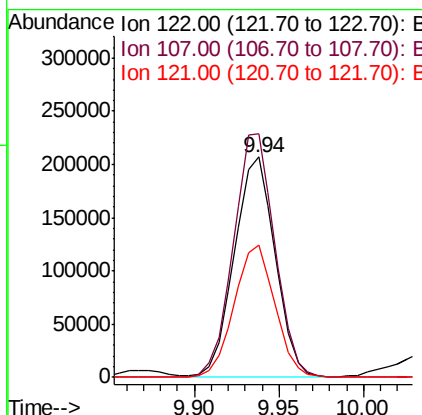
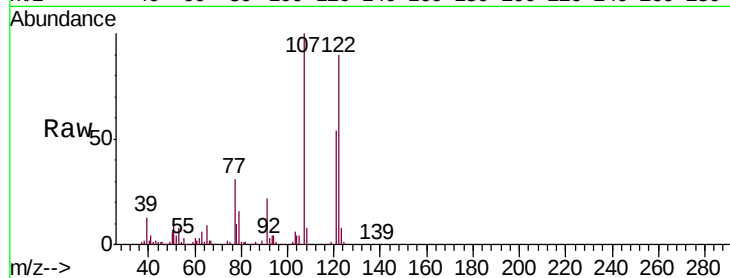




#27  
 2,4-Dimethylphenol  
 Concen: 53.520 ng  
 RT: 9.94 min Scan# 1166  
 Delta R.T. -0.00 min  
 Lab File: BG043944.D  
 Acq: 6 Jan 2020 23:28

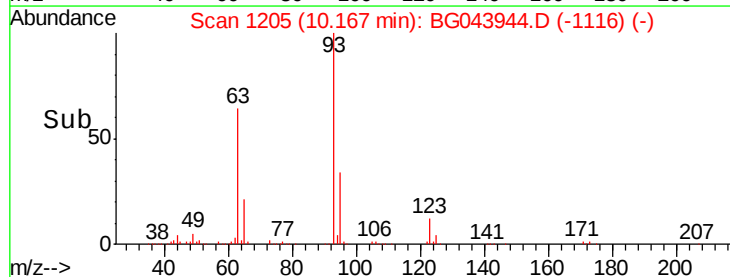
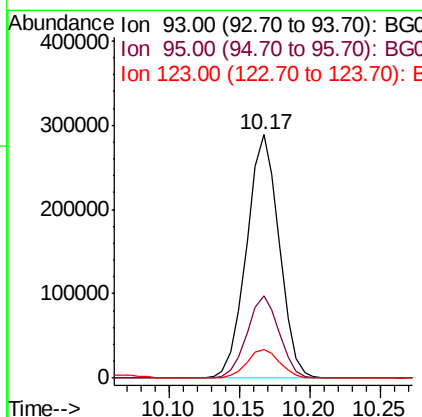
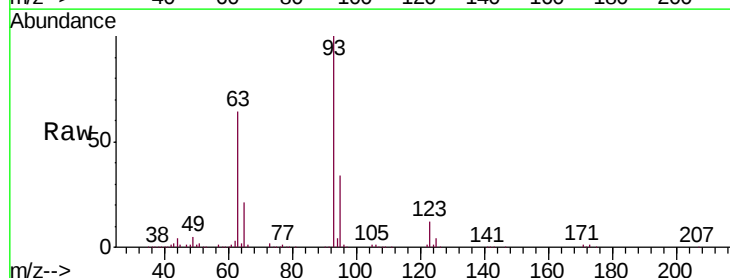
Instrument :  
 BNA\_G  
 ClientSampleId :  
 IDOC-W-03-CG

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 110.5 | 88.0  | 132.0 |
| 121     | 60.2  | 49.0  | 73.4  |



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 40.684 ng  
 RT: 10.17 min Scan# 1205  
 Delta R.T. -0.01 min  
 Lab File: BG043944.D  
 Acq: 6 Jan 2020 23:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 33.6  | 27.2  | 40.8  |
| 123     | 11.6  | 9.7   | 14.5  |

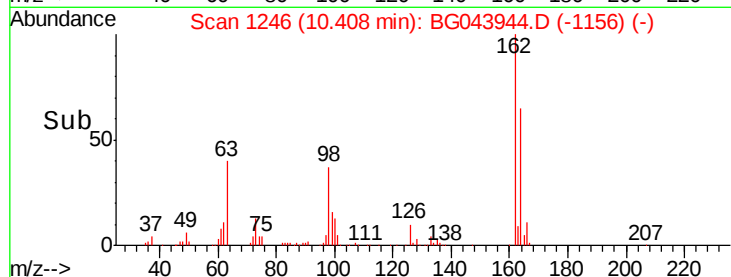
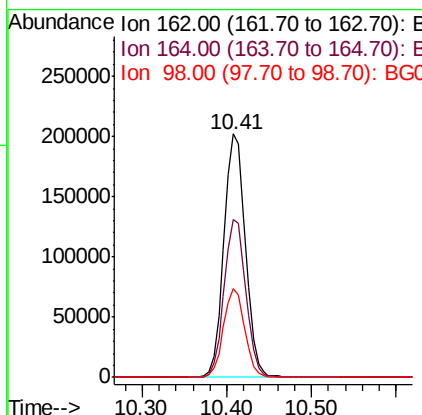
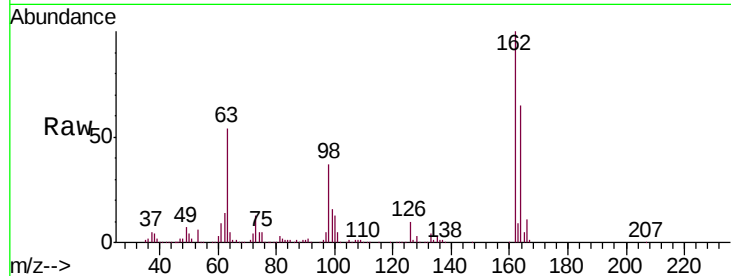




#29  
 2,4-Dichlorophenol  
 Concen: 45.977 ng  
 RT: 10.41 min Scan# 1246  
 Delta R.T. -0.00 min  
 Lab File: BG043944.D  
 Acq: 6 Jan 2020 23:28

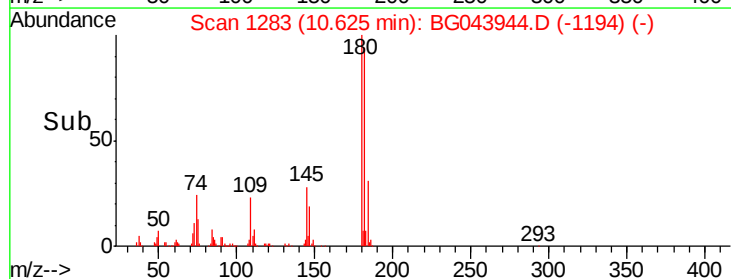
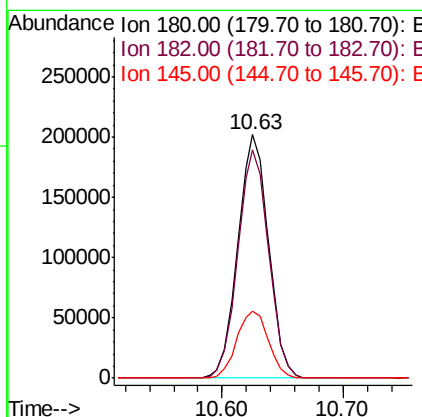
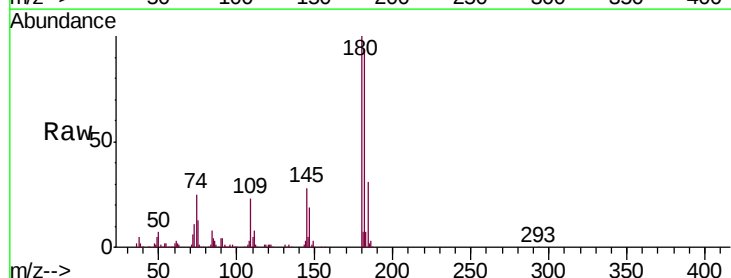
Instrument :  
 BNA\_G  
 ClientSampleId :  
 IDOC-W-03-CG

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 162   | Resp: | 355611 |
| Ion      | Ratio | Lower | Upper  |
| 162      | 100   |       |        |
| 164      | 65.0  | 46.3  | 86.3   |
| 98       | 36.6  | 17.3  | 57.3   |



#30  
 1,2,4-Trichlorobenzene  
 Concen: 41.109 ng  
 RT: 10.63 min Scan# 1283  
 Delta R.T. -0.01 min  
 Lab File: BG043944.D  
 Acq: 6 Jan 2020 23:28

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 180   | Resp: | 356514 |
| Ion      | Ratio | Lower | Upper  |
| 180      | 100   |       |        |
| 182      | 93.9  | 75.0  | 112.4  |
| 145      | 27.7  | 24.2  | 36.4   |

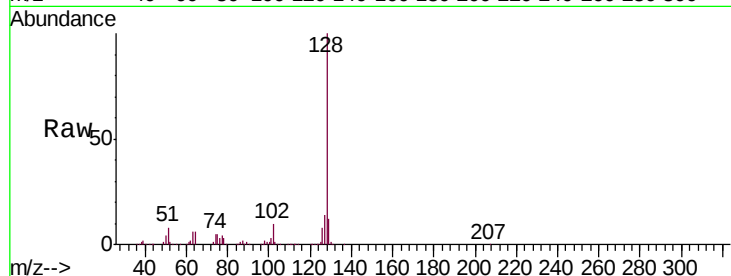




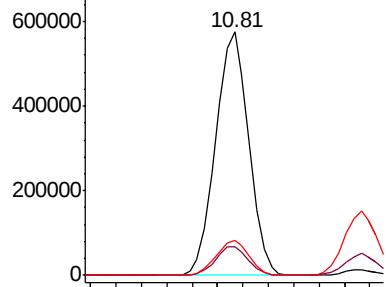
#31  
Naphthalene  
Concen: 43.716 ng  
RT: 10.81 min Scan# 1315  
Delta R.T. -0.00 min  
Lab File: BG043944.D  
Acq: 6 Jan 2020 23:28

Instrument :  
BNA\_G  
ClientSampleId :  
IDOC-W-03-CG

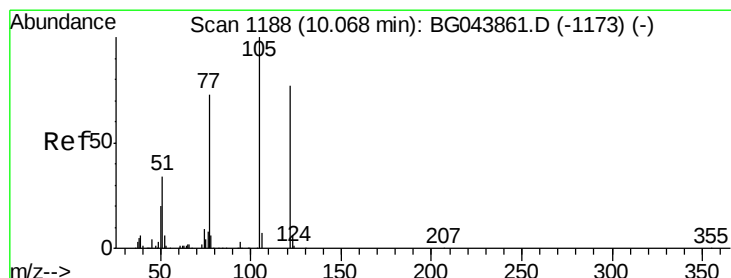
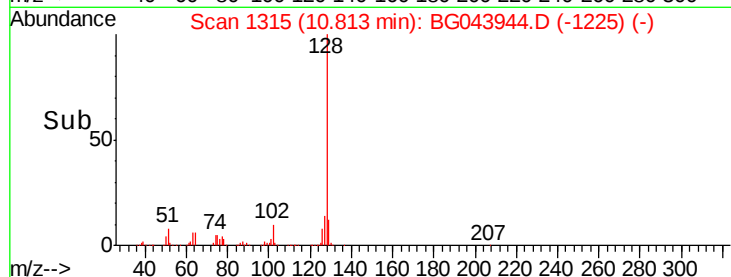
Tgt Ion:128 Resp: 1040340  
Ion Ratio Lower Upper  
128 100  
129 11.9 9.8 14.6  
127 14.3 12.0 18.0



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

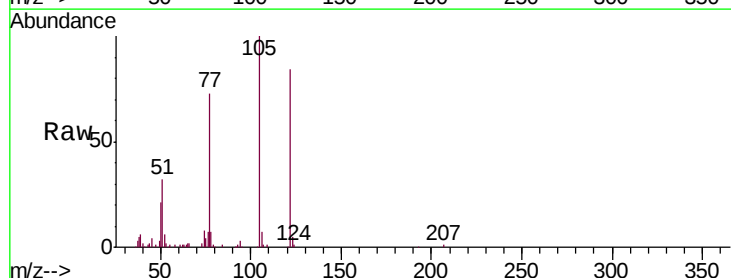


Time--> 10.70 10.80 10.90

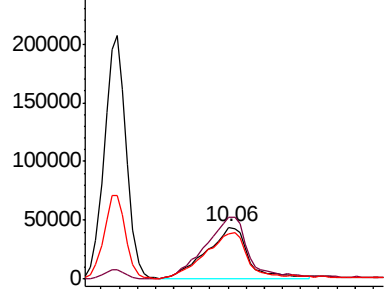


#32  
Benzoic acid  
Concen: 28.968 ng  
RT: 10.06 min Scan# 1187  
Delta R.T. -0.01 min  
Lab File: BG043944.D  
Acq: 6 Jan 2020 23:28

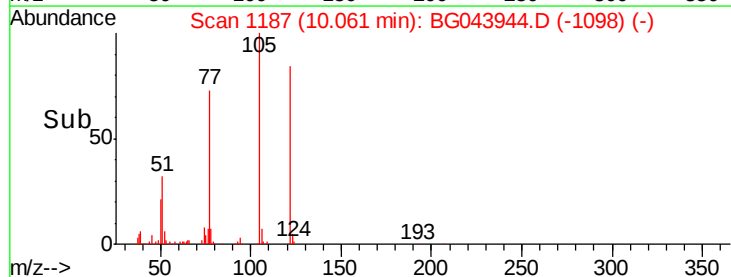
Tgt Ion:122 Resp: 137887  
Ion Ratio Lower Upper  
122 100  
105 118.7 106.4 146.4  
77 86.6 74.6 114.6



Abundance Ion 122.00 (121.70 to 122.70): E  
Ion 105.00 (104.70 to 105.70): E  
Ion 77.00 (76.70 to 77.70): BG



Time--> 10.00 10.10 10.20

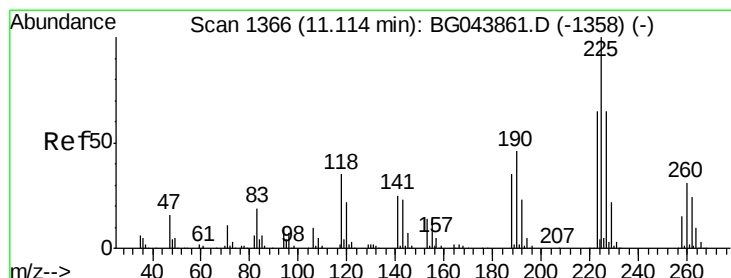
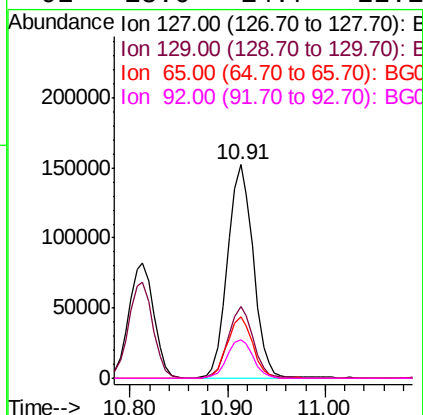
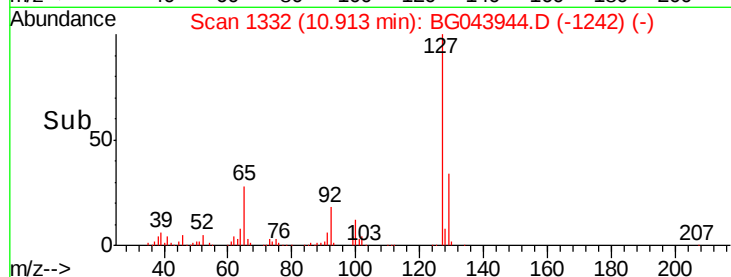
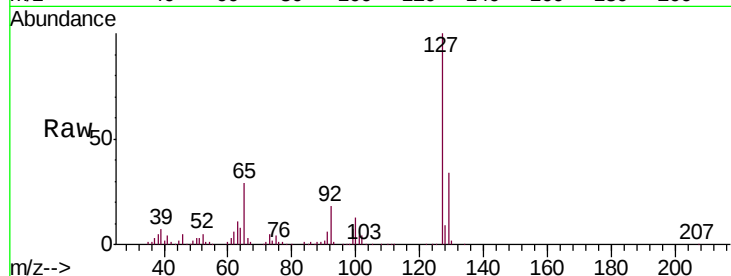




#33  
4-Chloroaniline  
Concen: 24.651 ng  
RT: 10.91 min Scan# 1332  
Delta R.T. -0.00 min  
Lab File: BG043944.D  
Acq: 6 Jan 2020 23:28

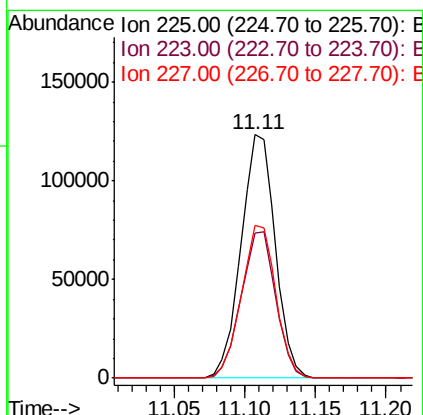
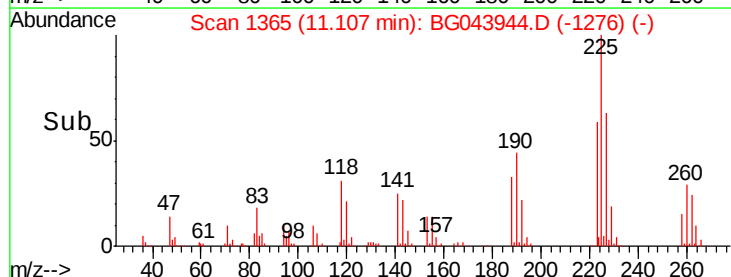
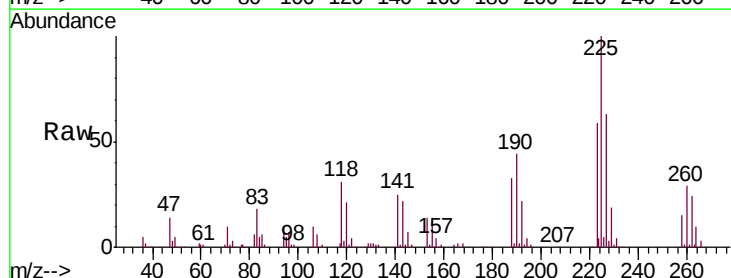
Instrument :  
BNA\_G  
ClientSampleId :  
IDOC-W-03-CG

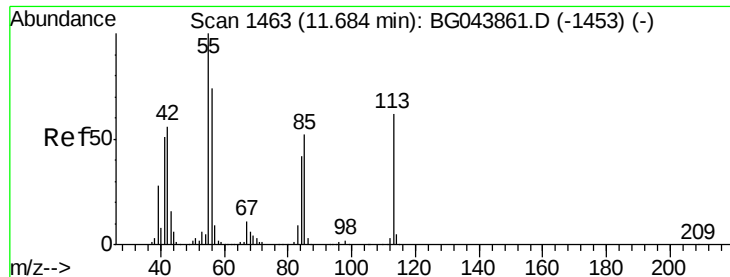
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 127   | Resp: | 279807 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 33.6  | 26.6  | 40.0   |
| 65       | 28.6  | 23.3  | 34.9   |
| 92       | 18.0  | 14.7  | 22.1   |



#34  
Hexachlorobutadiene  
Concen: 39.569 ng  
RT: 11.11 min Scan# 1365  
Delta R.T. -0.01 min  
Lab File: BG043944.D  
Acq: 6 Jan 2020 23:28

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 209519 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 59.3  | 52.2  | 78.4   |
| 227      | 62.7  | 52.1  | 78.1   |

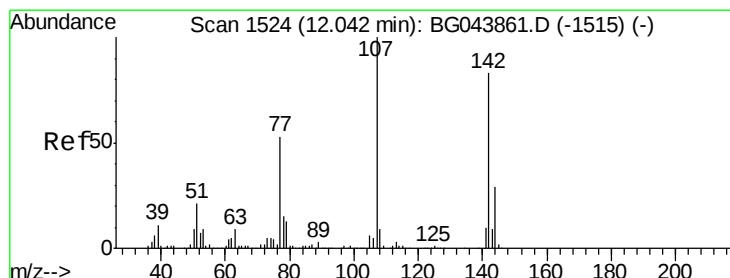
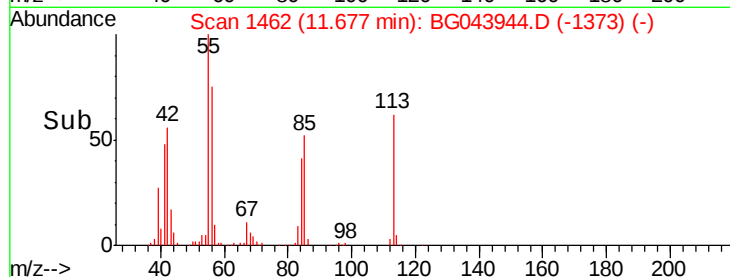
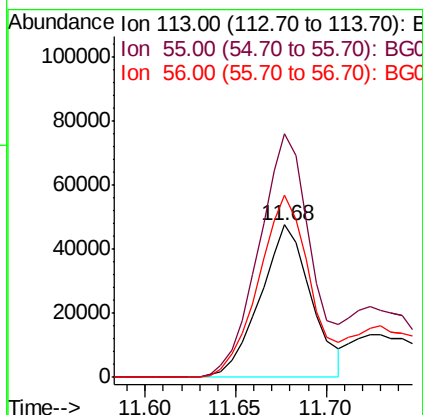
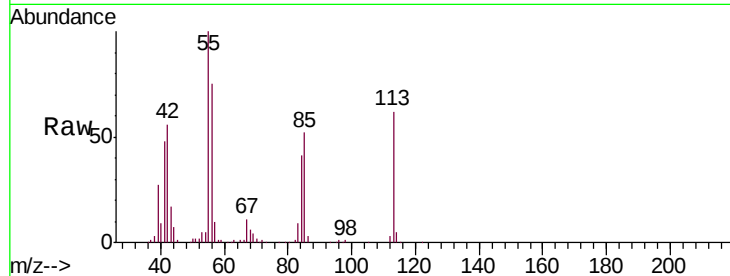




#35  
 Caprolactam  
 Concen: 32.331 ng  
 RT: 11.68 min Scan# 1462  
 Delta R.T. -0.01 min  
 Lab File: BG043944.D  
 Acq: 6 Jan 2020 23:28

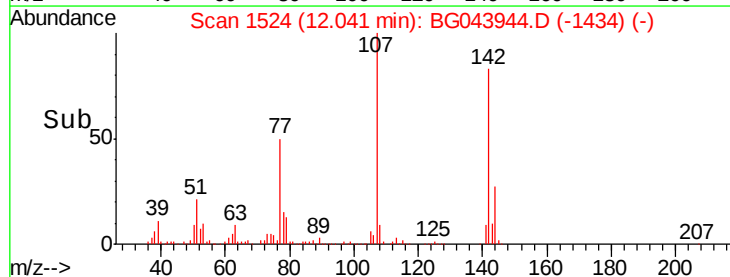
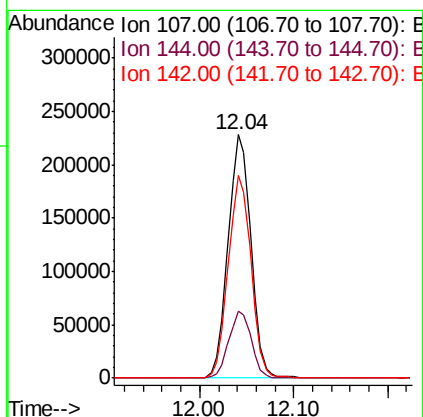
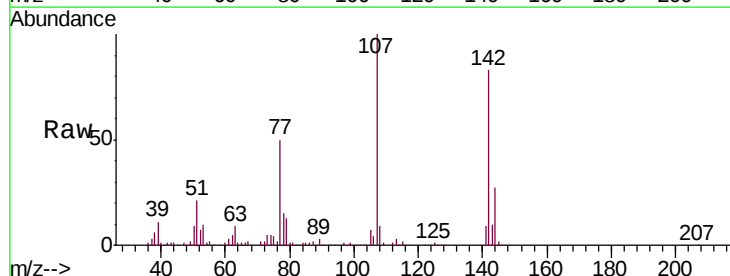
Instrument :  
 BNA\_G  
 ClientSampleId :  
 IDOC-W-03-CG

Tgt Ion:113 Resp: 93092  
 Ion Ratio Lower Upper  
 113 100  
 55 160.0 142.5 182.5  
 56 119.4 101.4 141.4



#36  
 4-Chloro-3-methylphenol  
 Concen: 46.795 ng  
 RT: 12.04 min Scan# 1524  
 Delta R.T. -0.00 min  
 Lab File: BG043944.D  
 Acq: 6 Jan 2020 23:28

Tgt Ion:107 Resp: 385306  
 Ion Ratio Lower Upper  
 107 100  
 144 27.3 23.4 35.2  
 142 83.4 66.3 99.5





#37

2-Methylnaphthalene

Concen: 43.897 ng

RT: 12.42 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BG043944.D

Acq: 6 Jan 2020 23:28

Instrument :

BNA\_G

ClientSampleId :

IDOC-W-03-CG

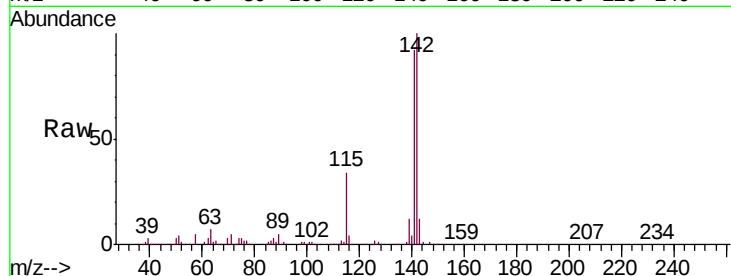
Tgt Ion:142 Resp: 786480

Ion Ratio Lower Upper

142 100

141 91.7 75.8 113.8

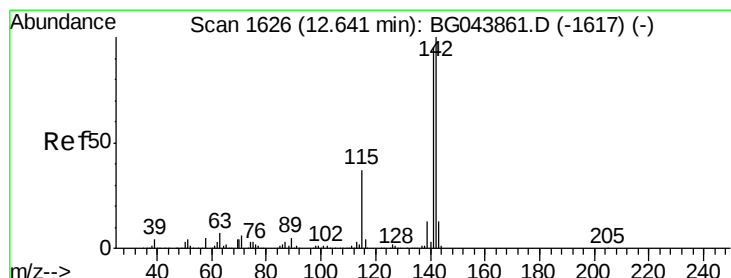
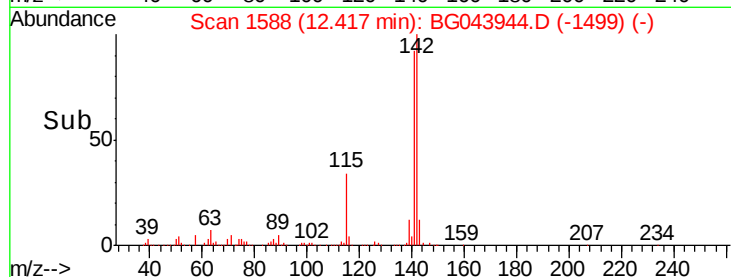
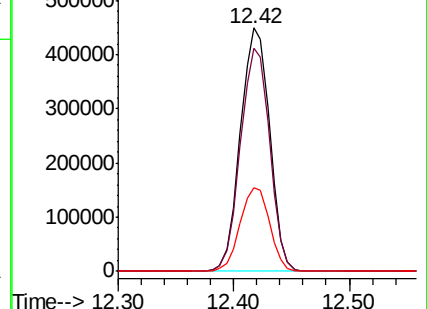
115 34.3 28.6 42.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 44.272 ng

RT: 12.63 min Scan# 1625

Delta R.T. -0.01 min

Lab File: BG043944.D

Acq: 6 Jan 2020 23:28

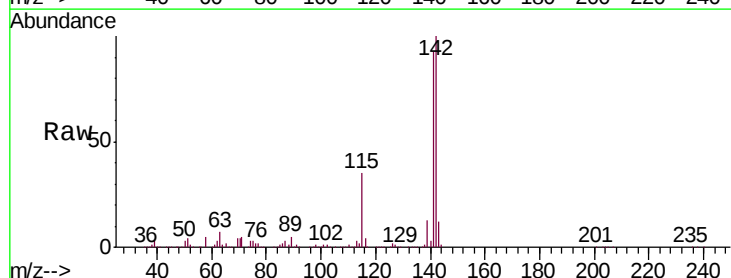
Tgt Ion:142 Resp: 751766

Ion Ratio Lower Upper

142 100

141 93.3 76.0 114.0

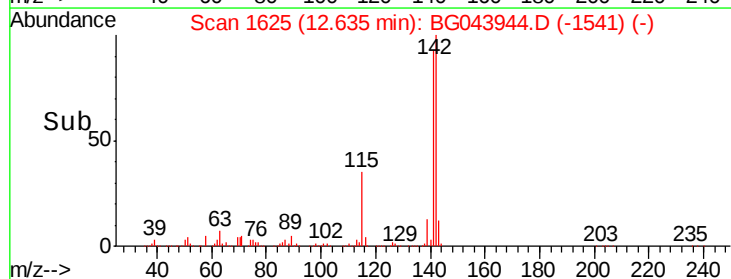
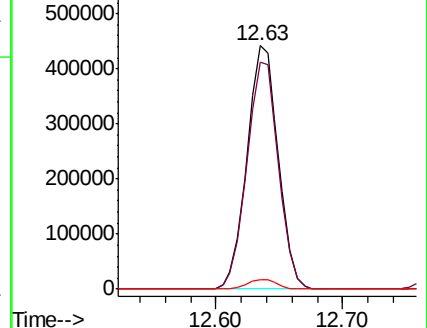
116 4.1 3.1 4.7

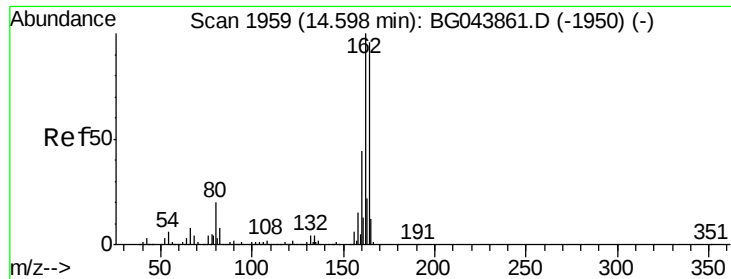


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.59 min Scan# 1958

Delta R.T. -0.01 min

Lab File: BG043944.D

Acq: 6 Jan 2020 23:28

Instrument :

BNA\_G

ClientSampleId :

IDOC-W-03-CG

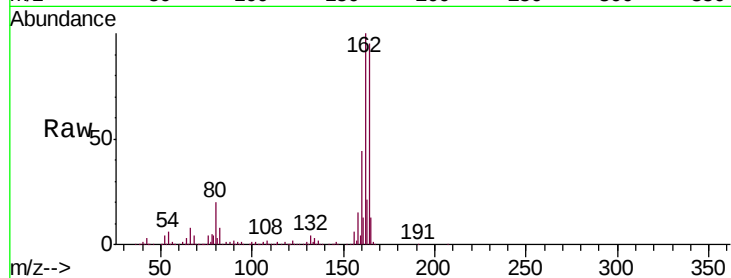
Tgt Ion:164 Resp: 326120

Ion Ratio Lower Upper

164 100

162 105.7 83.0 124.4

160 46.4 36.1 54.1

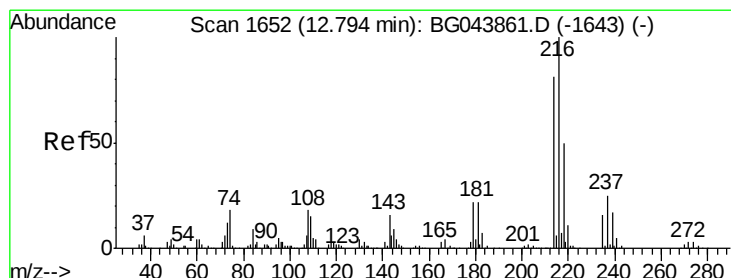
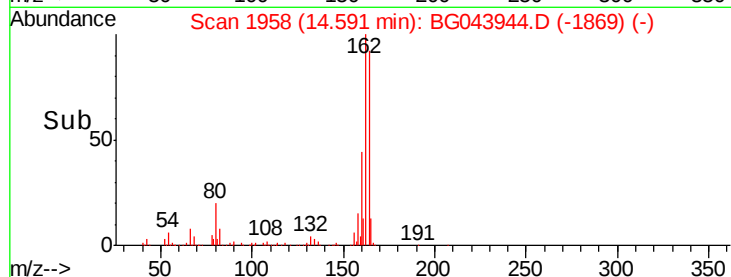
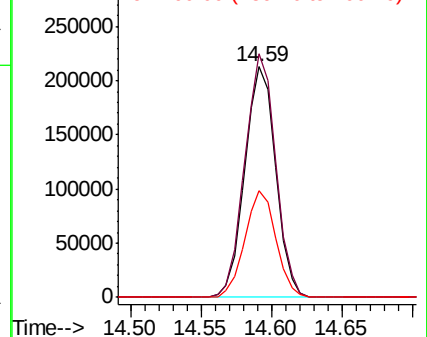


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 39.360 ng

RT: 12.79 min Scan# 1651

Delta R.T. -0.01 min

Lab File: BG043944.D

Acq: 6 Jan 2020 23:28

Tgt Ion:216 Resp: 376228

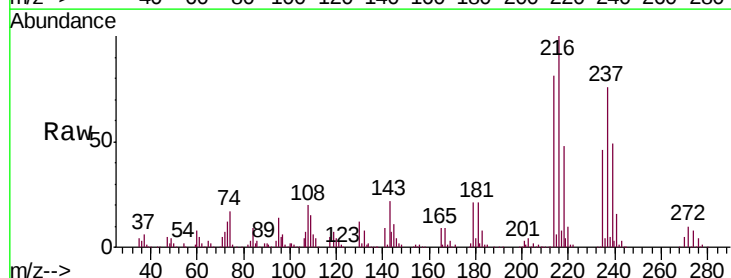
Ion Ratio Lower Upper

216 100

214 79.9 63.8 95.8

179 21.8 17.3 25.9

108 20.9 15.3 22.9



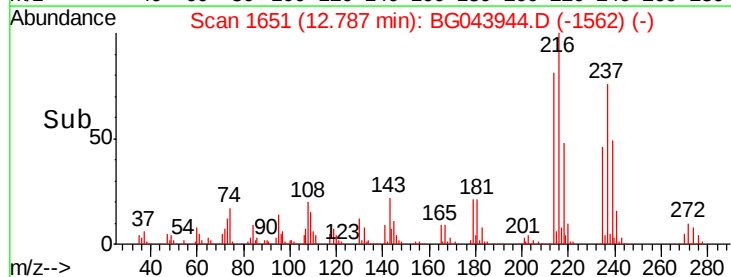
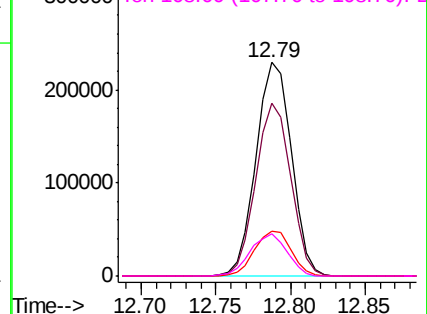
Abundance

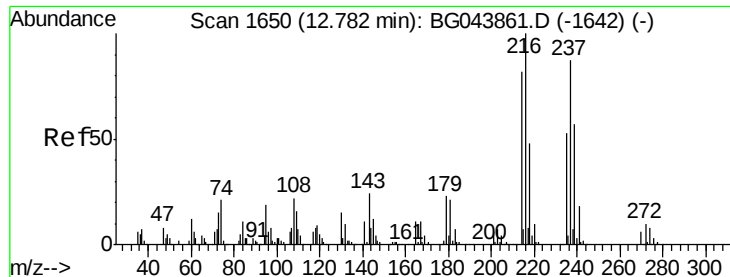
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 100.084 ng

RT: 12.78 min Scan# 1649

Delta R.T. -0.01 min

Lab File: BG043944.D

Acq: 6 Jan 2020 23:28

Instrument :

BNA\_G

ClientSampleId :

IDOC-W-03-CG

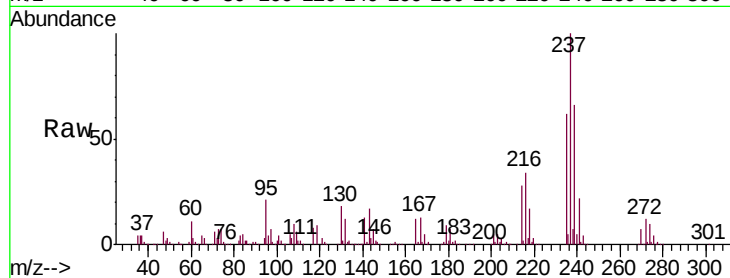
Tgt Ion:237 Resp: 495968

Ion Ratio Lower Upper

237 100

235 62.0 41.1 81.1

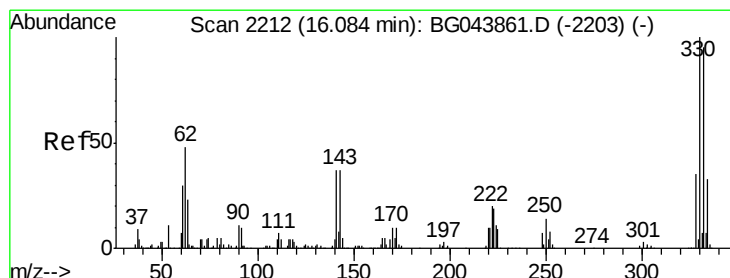
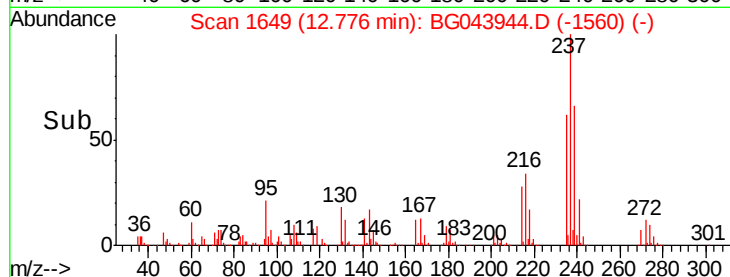
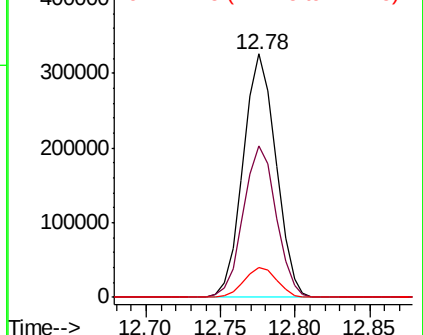
272 12.2 0.0 31.7



Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 124.198 ng

RT: 16.08 min Scan# 2211

Delta R.T. -0.01 min

Lab File: BG043944.D

Acq: 6 Jan 2020 23:28

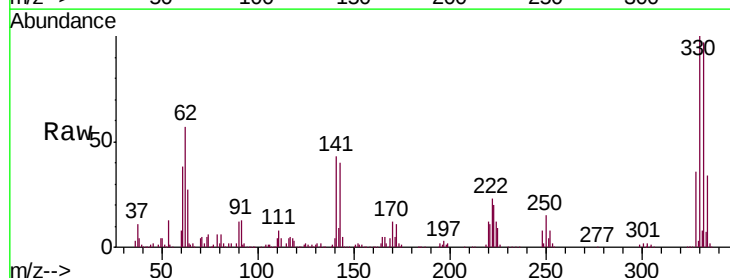
Tgt Ion:330 Resp: 423861

Ion Ratio Lower Upper

330 100

332 96.5 77.2 115.8

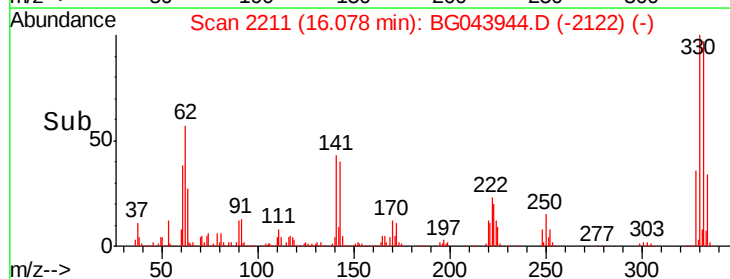
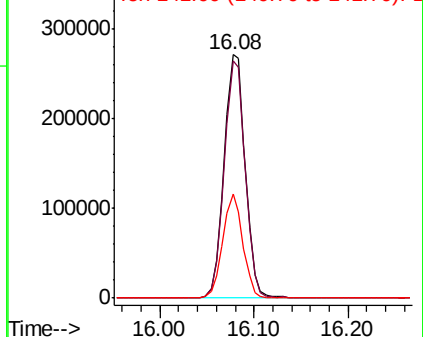
141 40.8 33.1 49.7



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

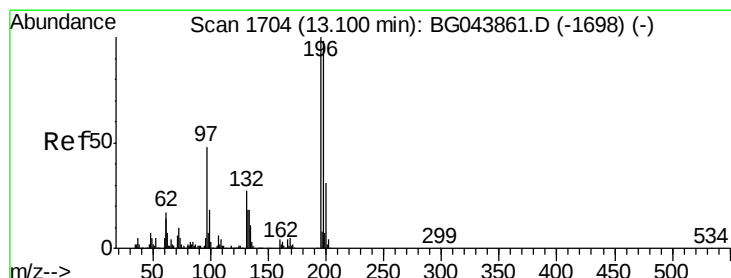
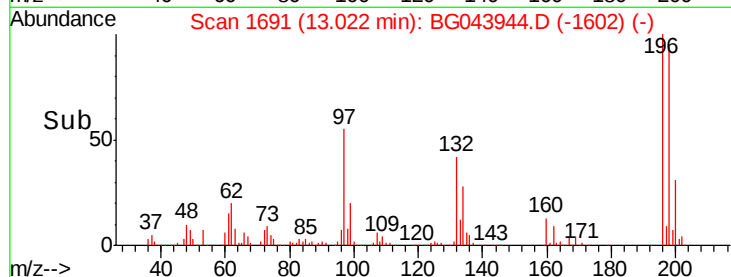
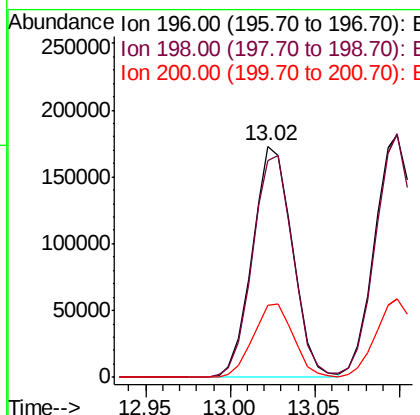
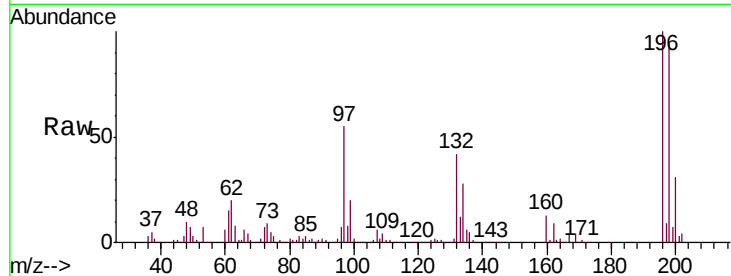




#43  
 2,4,6-Trichlorophenol  
 Concen: 43.298 ng  
 RT: 13.02 min Scan# 1691  
 Delta R.T. -0.01 min  
 Lab File: BG043944.D  
 Acq: 6 Jan 2020 23:28

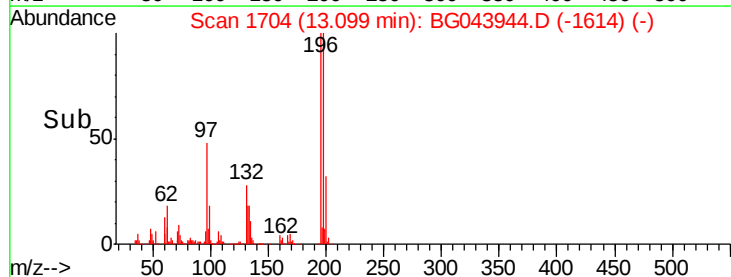
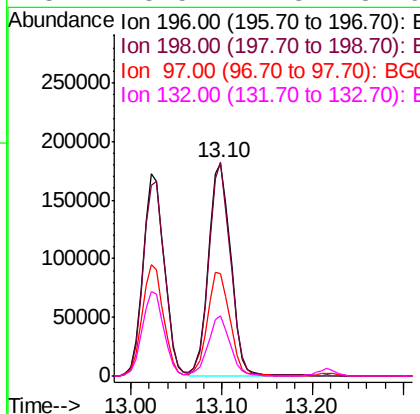
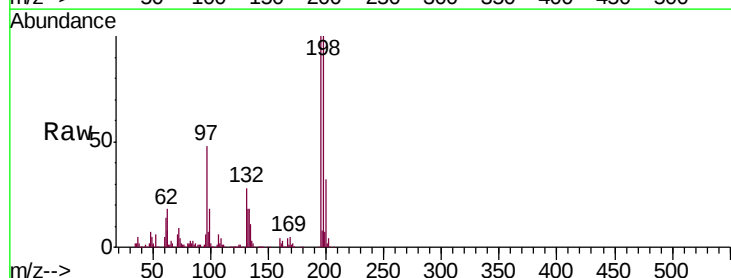
Instrument :  
 BNA\_G  
 ClientSampleId :  
 IDOC-W-03-CG

Tgt Ion:196 Resp: 284773  
 Ion Ratio Lower Upper  
 196 100  
 198 93.9 76.6 115.0  
 200 31.1 24.6 37.0



#44  
 2,4,5-Trichlorophenol  
 Concen: 45.859 ng  
 RT: 13.10 min Scan# 1704  
 Delta R.T. -0.00 min  
 Lab File: BG043944.D  
 Acq: 6 Jan 2020 23:28

Tgt Ion:196 Resp: 311084  
 Ion Ratio Lower Upper  
 196 100  
 198 100.5 78.3 117.5  
 97 48.1 38.8 58.2  
 132 28.5 21.3 31.9

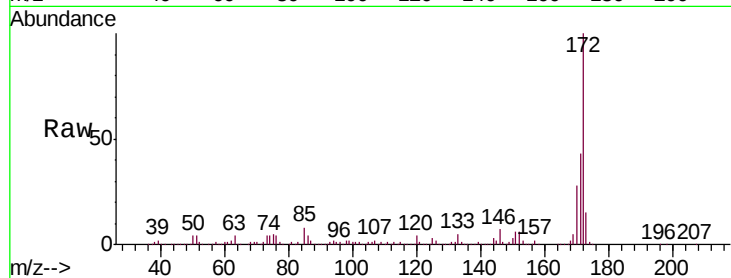




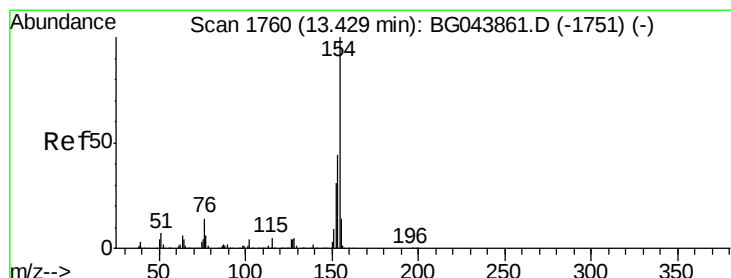
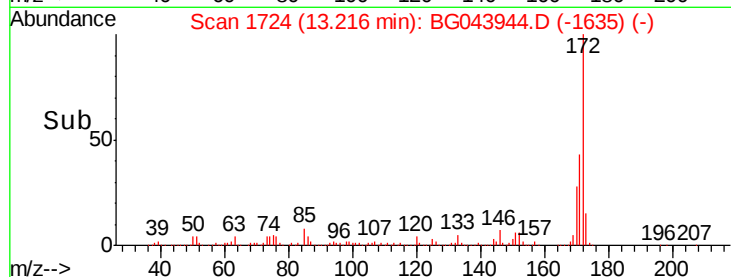
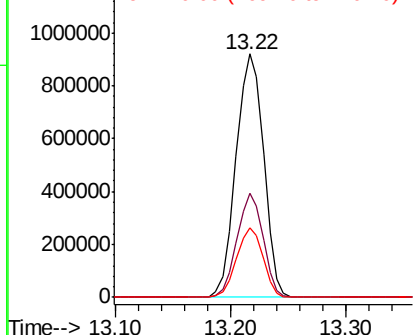
#45  
2-Fluorobiphenyl  
Concen: 84.556 ng  
RT: 13.22 min Scan# 1724  
Delta R.T. -0.01 min  
Lab File: BG043944.D  
Acq: 6 Jan 2020 23:28

Instrument :  
BNA\_G  
ClientSampleId :  
IDOC-W-03-CG

Tgt Ion:172 Resp: 1522007  
Ion Ratio Lower Upper  
172 100  
171 42.6 35.8 53.8  
170 28.3 24.2 36.4

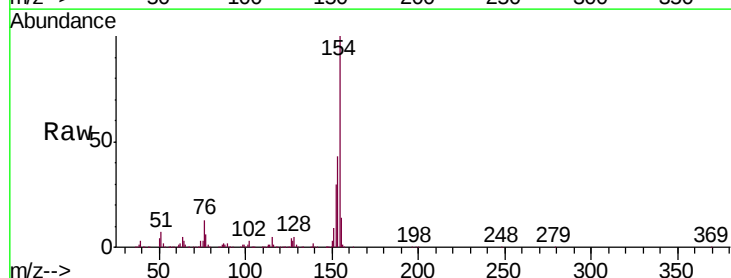


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

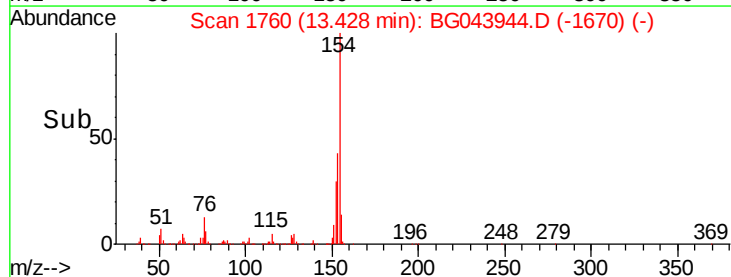
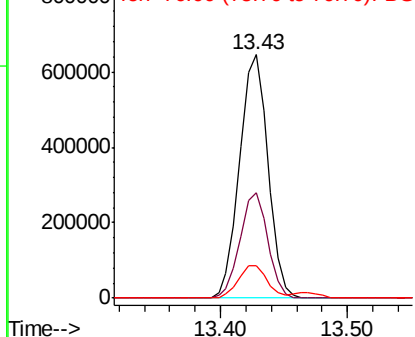


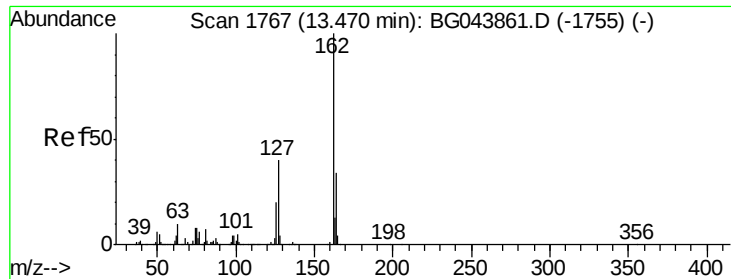
#46  
1,1'-Biphenyl  
Concen: 42.827 ng  
RT: 13.43 min Scan# 1760  
Delta R.T. -0.00 min  
Lab File: BG043944.D  
Acq: 6 Jan 2020 23:28

Tgt Ion:154 Resp: 1001403  
Ion Ratio Lower Upper  
154 100  
153 43.0 23.6 63.6  
76 13.1 0.0 34.4



Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 76.00 (75.70 to 76.70): BG

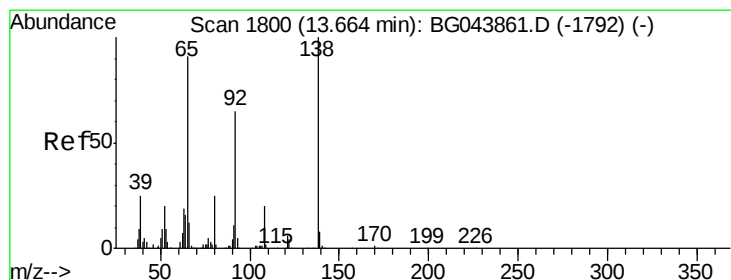
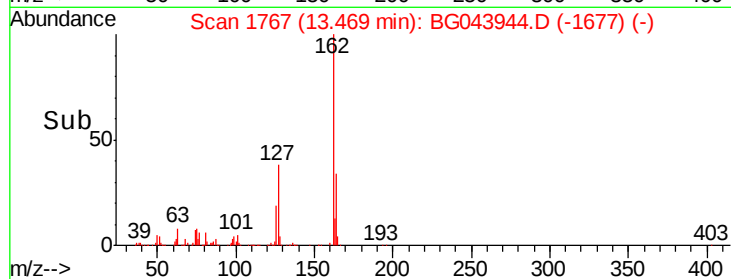
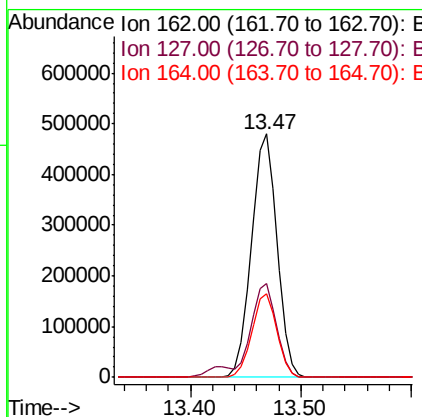
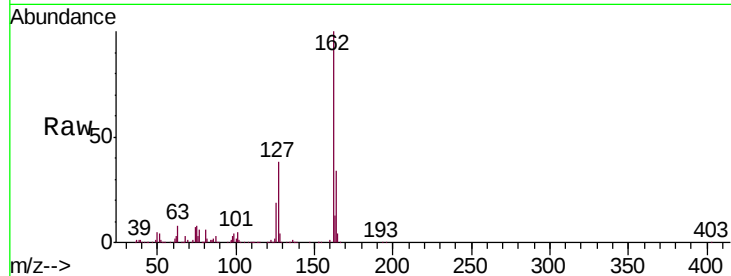




#47  
 2-Chloronaphthalene  
 Concen: 41.212 ng  
 RT: 13.47 min Scan# 1767  
 Delta R.T. -0.00 min  
 Lab File: BG043944.D  
 Acq: 6 Jan 2020 23:28

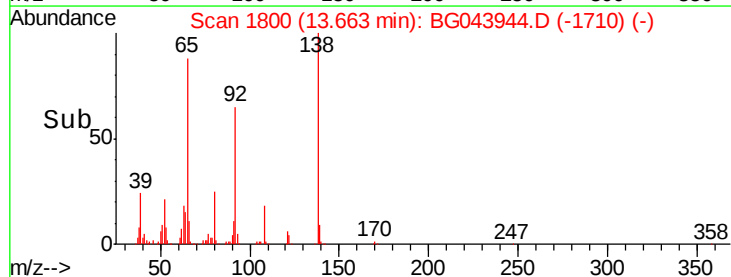
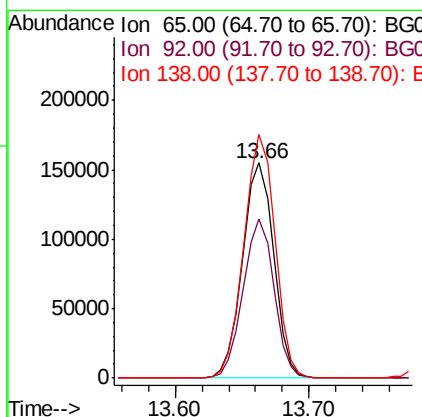
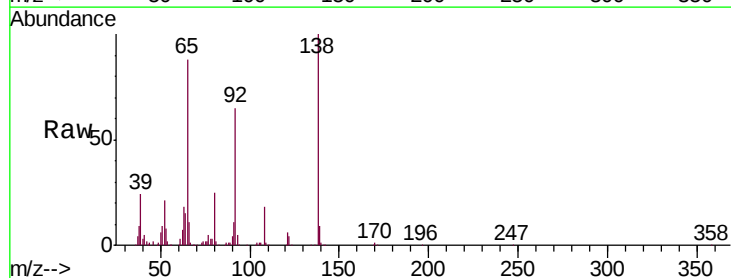
Instrument :  
 BNA\_G  
 ClientSampleId :  
 IDOC-W-03-CG

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 38.5  | 32.1  | 48.1  |
| 164     | 34.4  | 27.5  | 41.3  |



#48  
 2-Nitroaniline  
 Concen: 41.301 ng  
 RT: 13.66 min Scan# 1800  
 Delta R.T. -0.00 min  
 Lab File: BG043944.D  
 Acq: 6 Jan 2020 23:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 73.9  | 57.4  | 86.2  |
| 138     | 113.3 | 88.2  | 132.4 |





#49

Acenaphthylene

Concen: 45.116 ng

RT: 14.32 min Scan# 1911

Delta R.T. -0.00 min

Lab File: BG043944.D

Acq: 6 Jan 2020 23:28

Instrument :

BNA\_G

ClientSampleId :

IDOC-W-03-CG

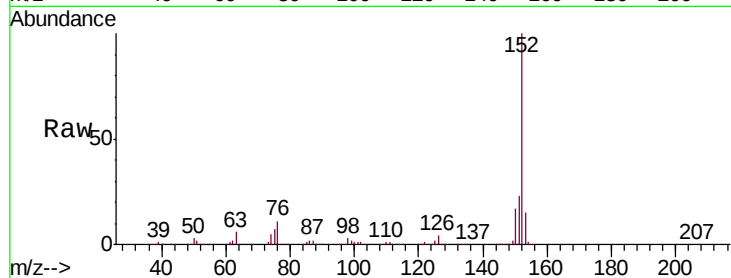
Tgt Ion:152 Resp: 1225211

Ion Ratio Lower Upper

152 100

151 23.0 19.4 29.2

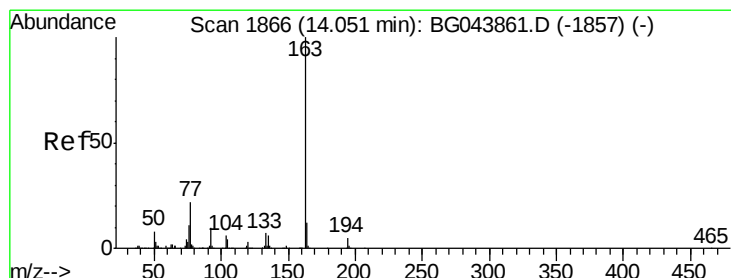
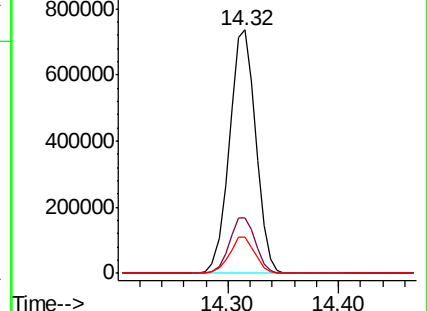
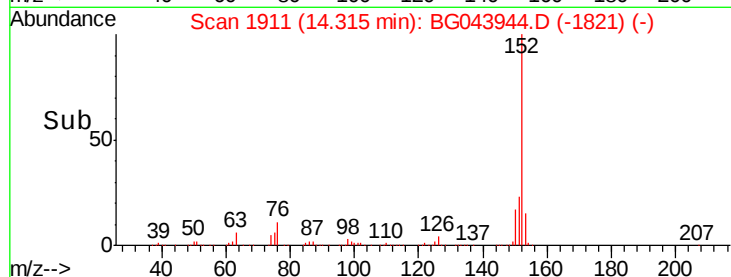
153 14.7 12.0 18.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 43.256 ng

RT: 14.04 min Scan# 1865

Delta R.T. -0.01 min

Lab File: BG043944.D

Acq: 6 Jan 2020 23:28

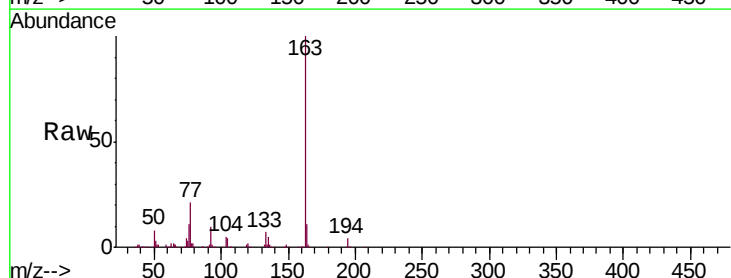
Tgt Ion:163 Resp: 1001620

Ion Ratio Lower Upper

163 100

194 4.2 3.7 5.5

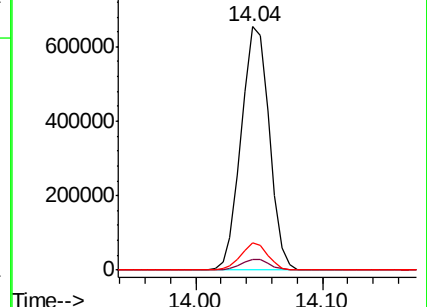
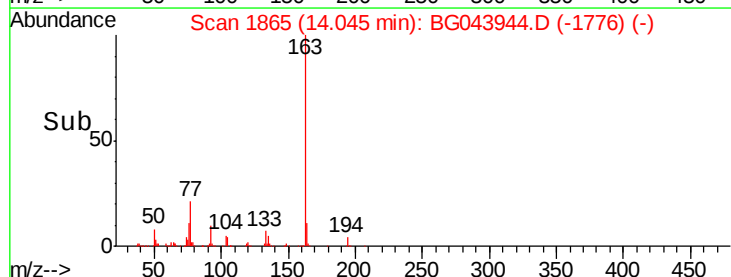
164 11.3 9.3 13.9



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

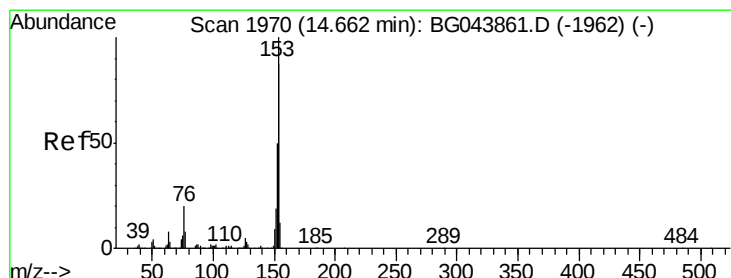
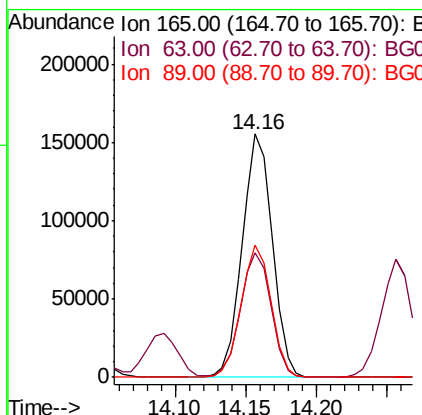
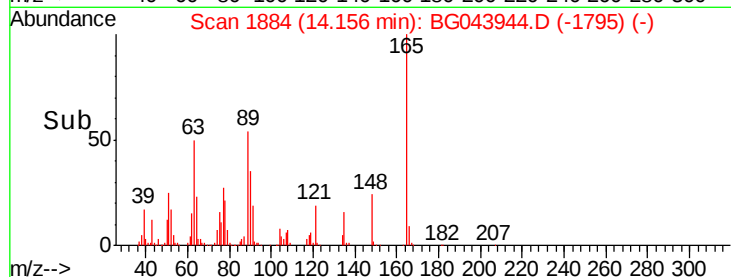
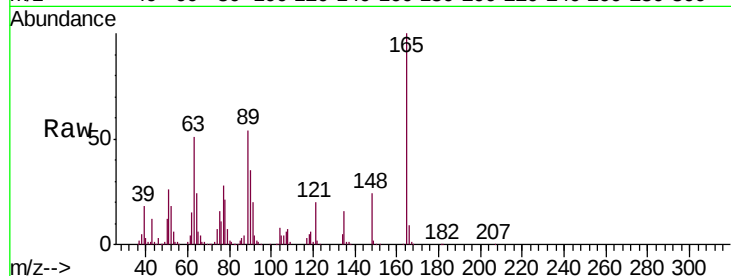




#51  
2,6-Dinitrotoluene  
Concen: 44.513 ng  
RT: 14.16 min Scan# 1884  
Delta R.T. -0.01 min  
Lab File: BG043944.D  
Acq: 6 Jan 2020 23:28

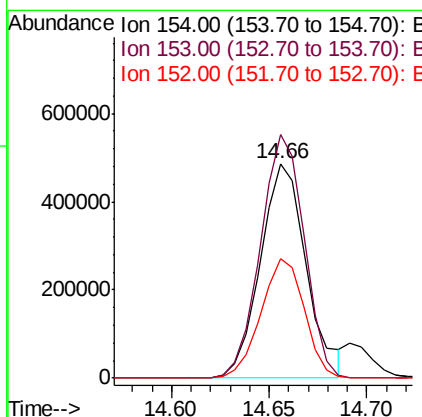
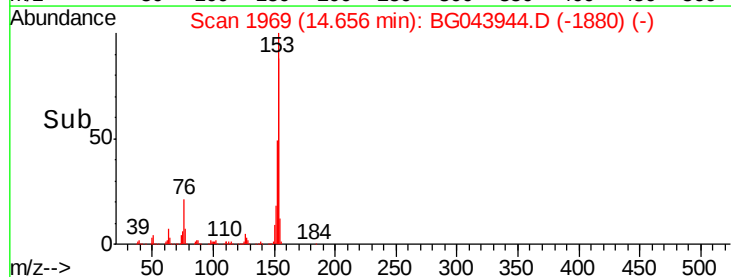
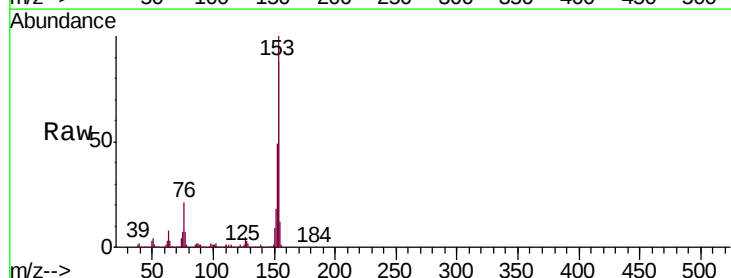
Instrument :  
BNA\_G  
ClientSampleId :  
IDOC-W-03-CG

Tgt Ion:165 Resp: 232972  
Ion Ratio Lower Upper  
165 100  
63 51.0 43.1 64.7  
89 54.3 43.8 65.6



#52  
Acenaphthene  
Concen: 41.533 ng  
RT: 14.66 min Scan# 1969  
Delta R.T. -0.01 min  
Lab File: BG043944.D  
Acq: 6 Jan 2020 23:28

Tgt Ion:154 Resp: 790993  
Ion Ratio Lower Upper  
154 100  
153 113.5 91.6 137.4  
152 55.8 45.4 68.0

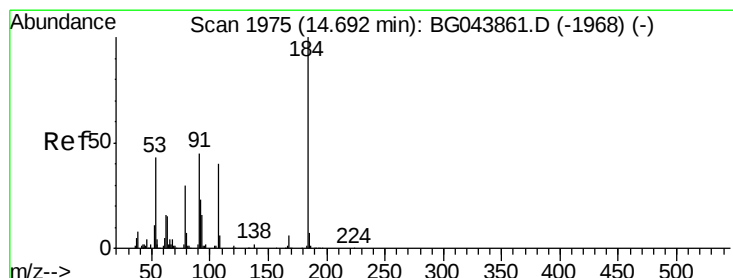
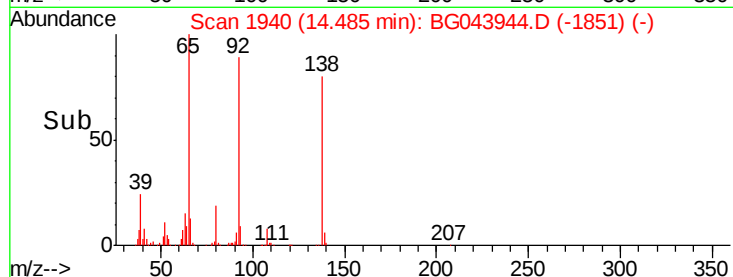
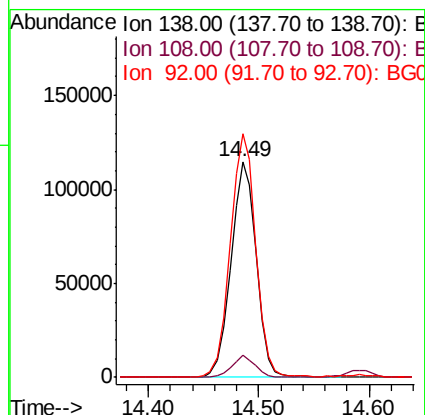
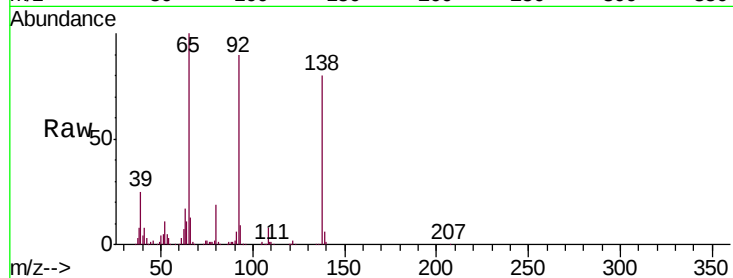




#53  
3-Nitroaniline  
Concen: 30.898 ng  
RT: 14.49 min Scan# 1940  
Delta R.T. -0.01 min  
Lab File: BG043944.D  
Acq: 6 Jan 2020 23:28

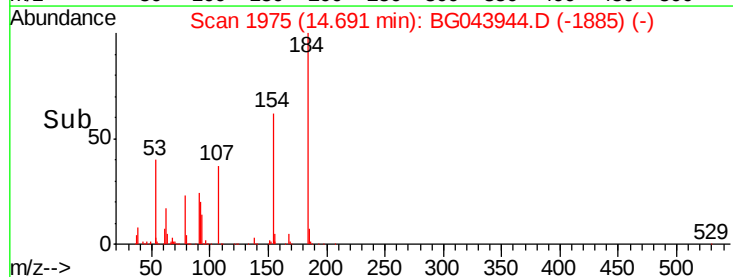
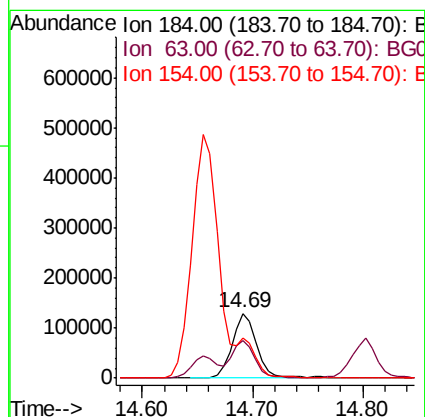
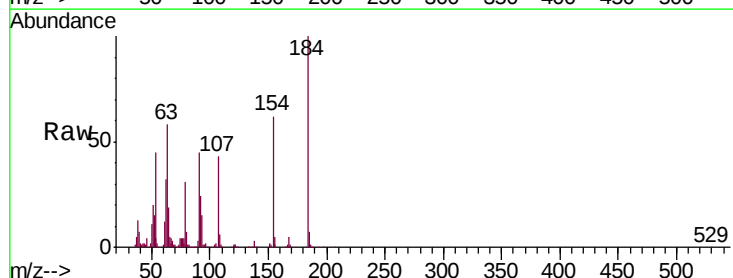
Instrument :  
BNA\_G  
ClientSampleId :  
IDOC-W-03-CG

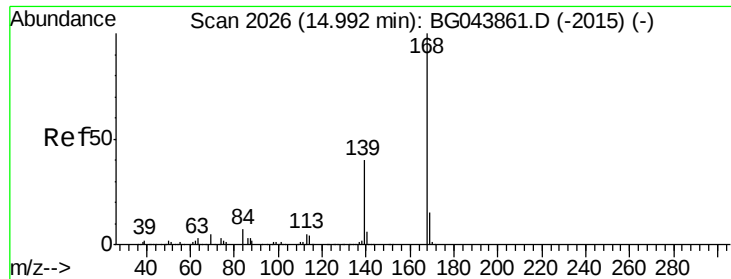
Tgt Ion:138 Resp: 183636  
Ion Ratio Lower Upper  
138 100  
108 10.2 7.4 11.2  
92 113.0 92.1 138.1



#54  
2,4-Dinitrophenol  
Concen: 76.566 ng  
RT: 14.69 min Scan# 1975  
Delta R.T. 0.00 min  
Lab File: BG043944.D  
Acq: 6 Jan 2020 23:28

Tgt Ion:184 Resp: 203477  
Ion Ratio Lower Upper  
184 100  
63 58.4 46.6 70.0  
154 61.7 50.2 75.4

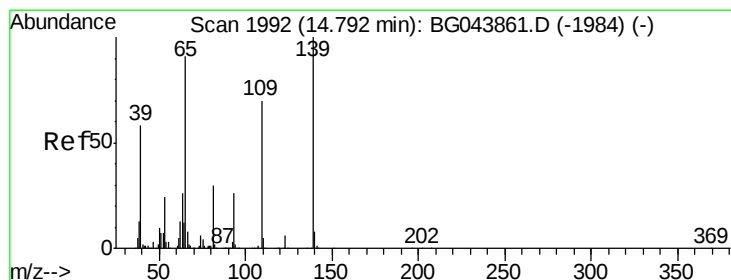
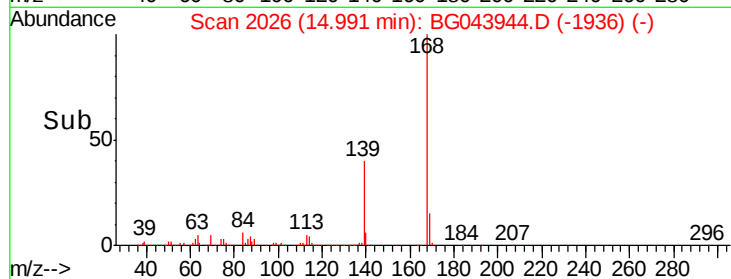
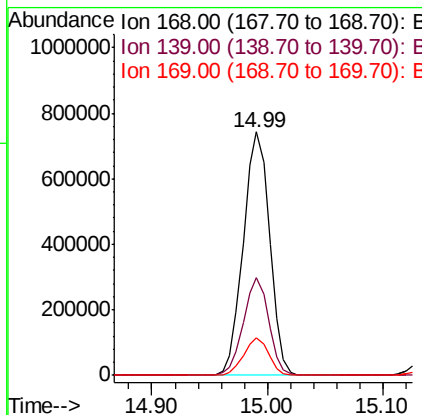
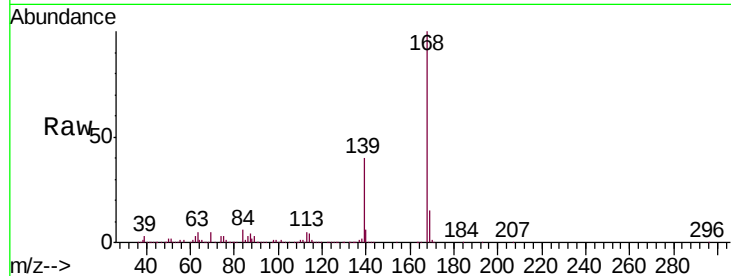




#55  
Dibenzenofuran  
Concen: 44.970 ng  
RT: 14.99 min Scan# 2026  
Delta R.T. -0.00 min  
Lab File: BG043944.D  
Acq: 6 Jan 2020 23:28

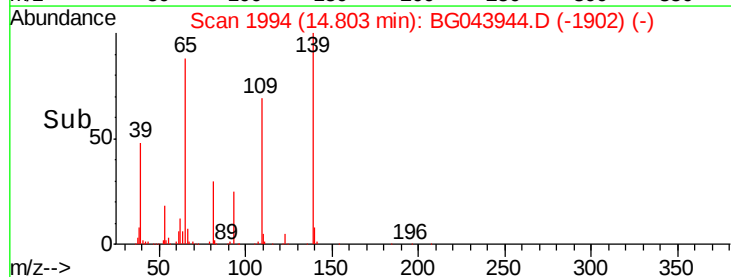
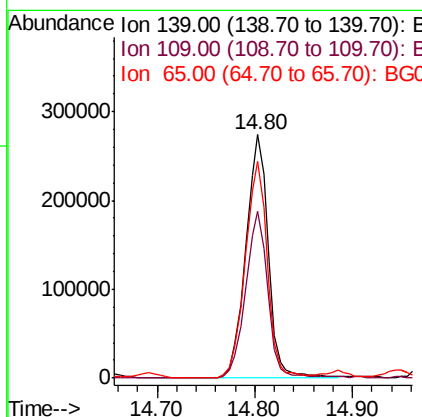
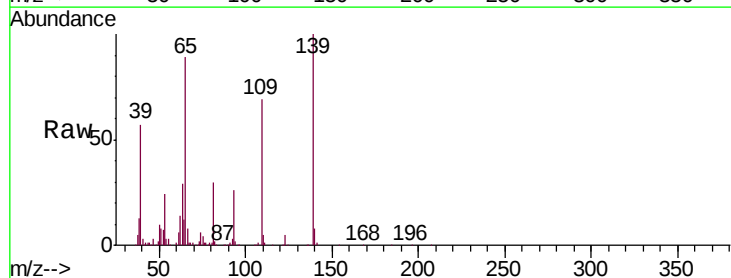
Instrument :  
BNA\_G  
ClientSampleId :  
IDOC-W-03-CG

Tgt Ion:168 Resp: 1178991  
Ion Ratio Lower Upper  
168 100  
139 40.4 32.2 48.2  
169 15.5 12.2 18.2



#56  
4-Nitrophenol  
Concen: 97.406 ng  
RT: 14.80 min Scan# 1994  
Delta R.T. 0.01 min  
Lab File: BG043944.D  
Acq: 6 Jan 2020 23:28

Tgt Ion:139 Resp: 443629  
Ion Ratio Lower Upper  
139 100  
109 68.7 50.4 90.4  
65 89.2 71.4 111.4

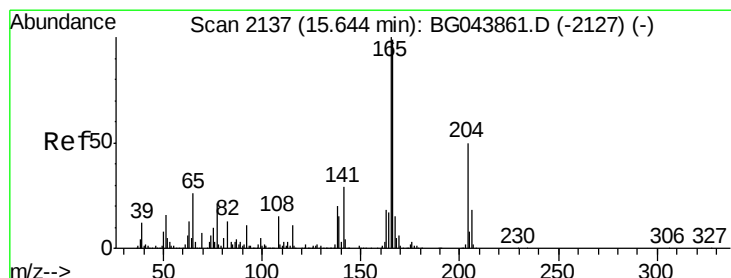
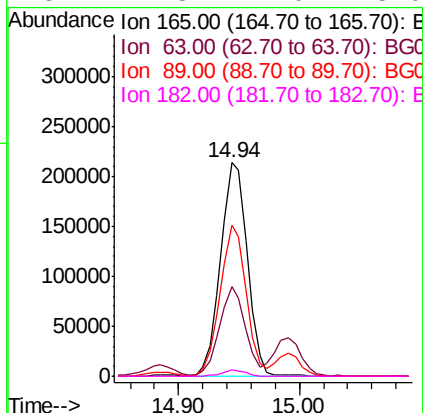
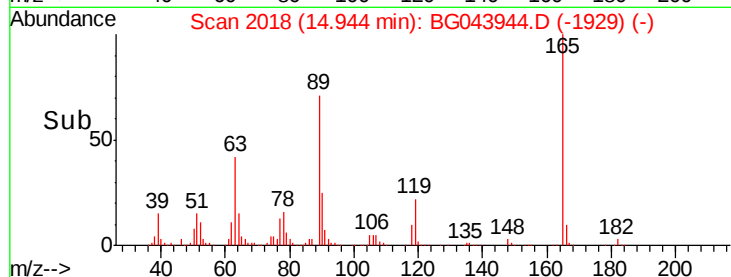
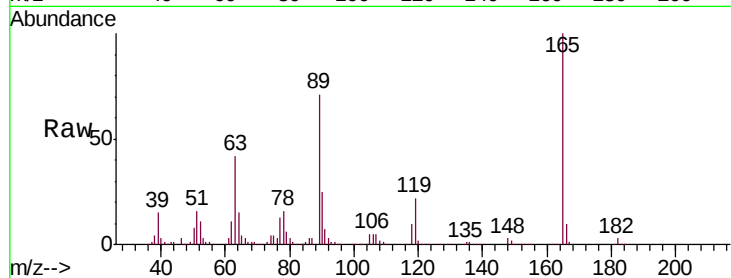




#57  
2,4-Dinitrotoluene  
Concen: 45.974 ng  
RT: 14.94 min Scan# 2018  
Delta R.T. -0.01 min  
Lab File: BG043944.D  
Acq: 6 Jan 2020 23:28

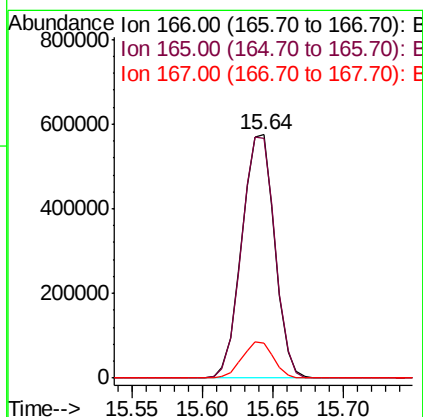
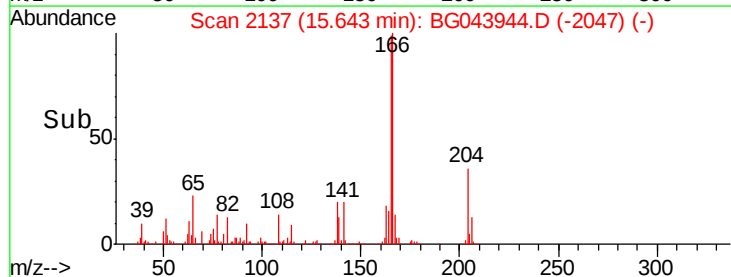
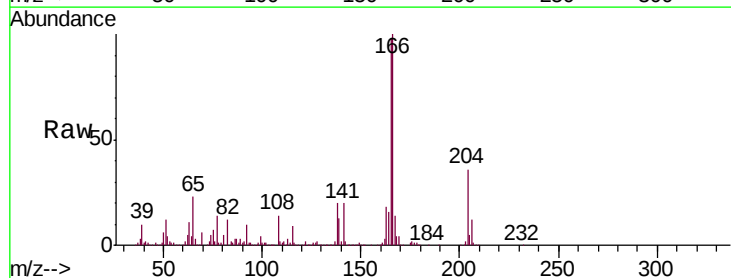
Instrument :  
BNA\_G  
ClientSampleId :  
IDOC-W-03-CG

Tgt Ion:165 Resp: 327403  
Ion Ratio Lower Upper  
165 100  
63 41.9 31.9 47.9  
89 70.9 53.8 80.6  
182 2.8 2.0 3.0



#58  
Fluorene  
Concen: 45.043 ng  
RT: 15.64 min Scan# 2137  
Delta R.T. -0.00 min  
Lab File: BG043944.D  
Acq: 6 Jan 2020 23:28

Tgt Ion:166 Resp: 935980  
Ion Ratio Lower Upper  
166 100  
165 98.3 80.8 121.2  
167 14.3 12.1 18.1

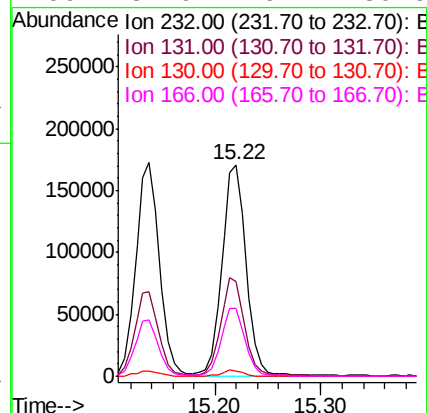
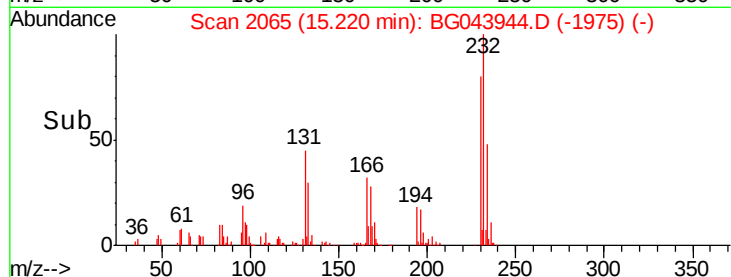
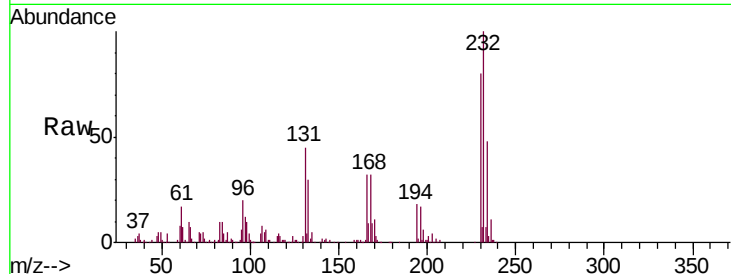




#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 46.482 ng  
 RT: 15.22 min Scan# 2065  
 Delta R.T. -0.00 min  
 Lab File: BG043944.D  
 Acq: 6 Jan 2020 23:28

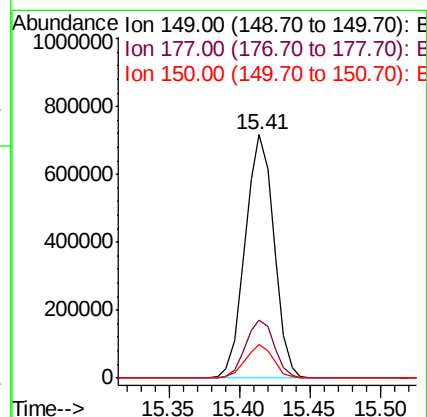
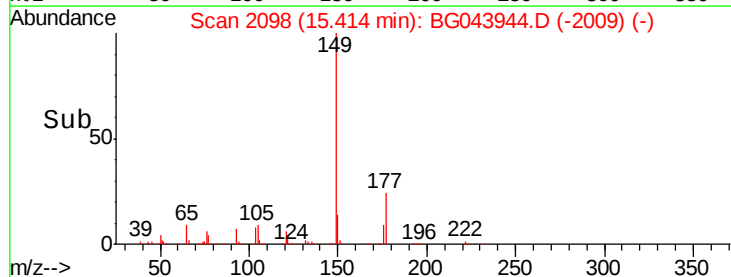
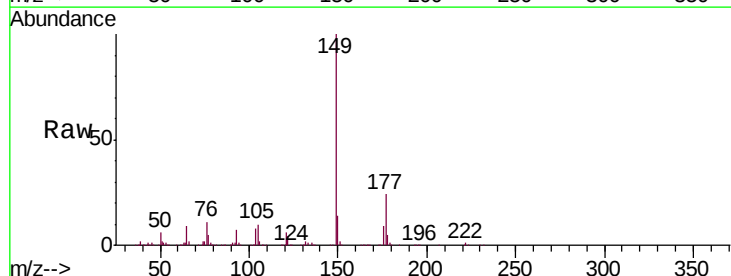
Instrument :  
 BNA\_G  
 ClientSampleId :  
 IDOC-W-03-CG

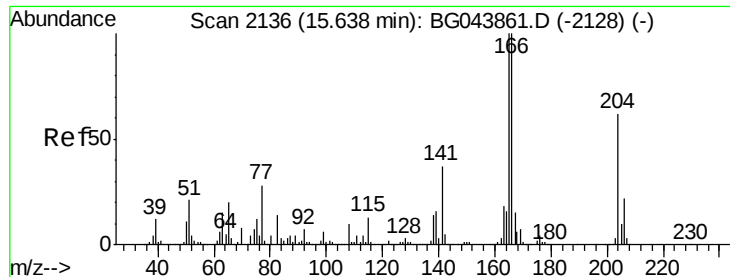
Tgt Ion:232 Resp: 271131  
 Ion Ratio Lower Upper  
 232 100  
 131 45.1 38.2 57.2  
 130 2.6 2.2 3.2  
 166 31.9 26.4 39.6



#60  
 Diethylphthalate  
 Concen: 44.216 ng  
 RT: 15.41 min Scan# 2098  
 Delta R.T. -0.01 min  
 Lab File: BG043944.D  
 Acq: 6 Jan 2020 23:28

Tgt Ion:149 Resp: 1024049  
 Ion Ratio Lower Upper  
 149 100  
 177 24.1 20.0 30.0  
 150 13.8 11.1 16.7





#61

4-Chlorophenyl-phenylether

Concen: 43.108 ng

RT: 15.63 min Scan# 2135

Delta R.T. -0.01 min

Lab File: BG043944.D

Acq: 6 Jan 2020 23:28

Instrument :

BNA\_G

ClientSampleId :

IDOC-W-03-CG

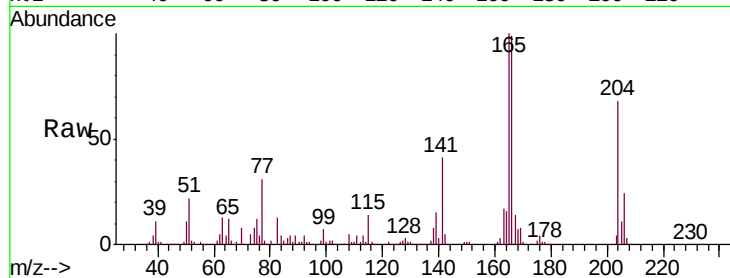
Tgt Ion:204 Resp: 486402

Ion Ratio Lower Upper

204 100

206 34.9 28.2 42.2

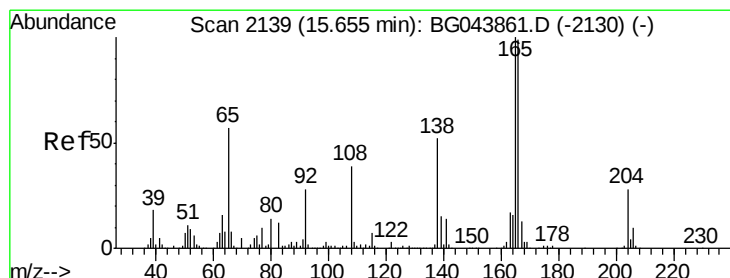
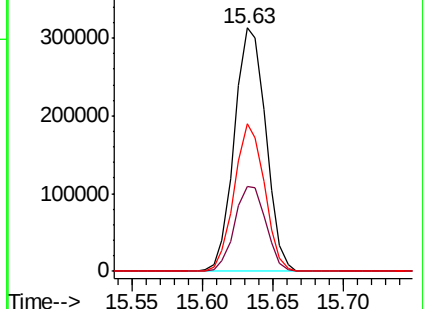
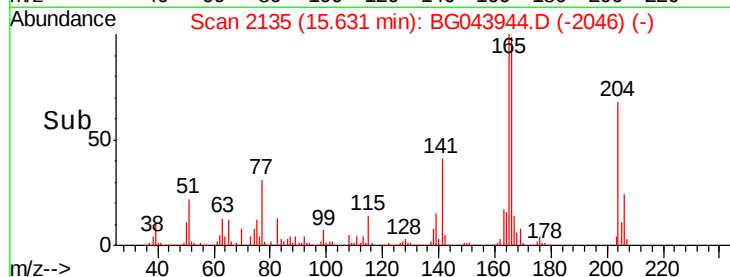
141 60.4 48.2 72.2



Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#62

4-Nitroaniline

Concen: 43.035 ng

RT: 15.65 min Scan# 2139

Delta R.T. -0.00 min

Lab File: BG043944.D

Acq: 6 Jan 2020 23:28

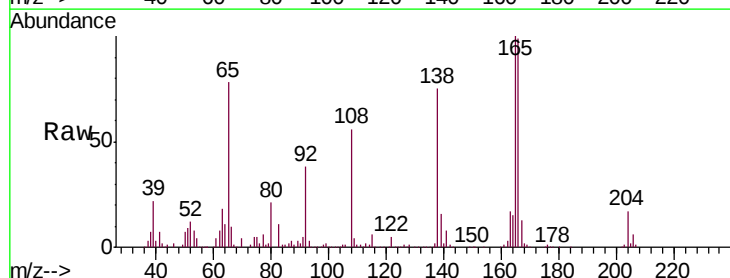
Tgt Ion:138 Resp: 252581

Ion Ratio Lower Upper

138 100

92 51.4 34.3 74.3

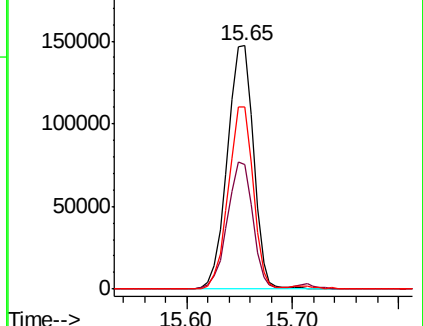
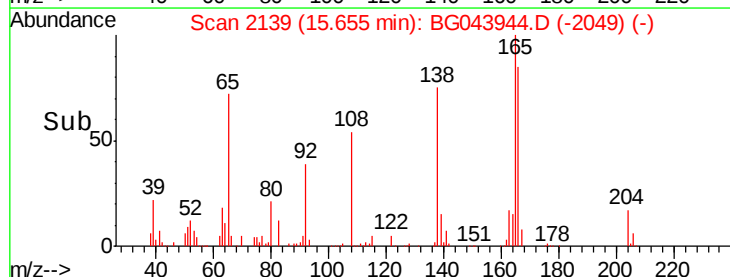
108 74.8 55.0 95.0



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG

Ion 108.00 (107.70 to 108.70): E





#63

Azobenzene

Concen: 44.698 ng

RT: 15.92 min Scan# 2185

Delta R.T. -0.01 min

Lab File: BG043944.D

Acq: 6 Jan 2020 23:28

Instrument :

BNA\_G

ClientSampleId :

IDOC-W-03-CG

Tgt Ion: 77 Resp: 960049

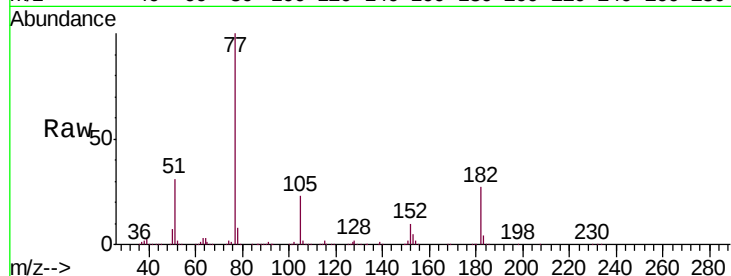
Ion Ratio Lower Upper

77 100

182 26.7 7.3 47.3

105 23.2 3.2 43.2

51 30.8 10.6 50.6

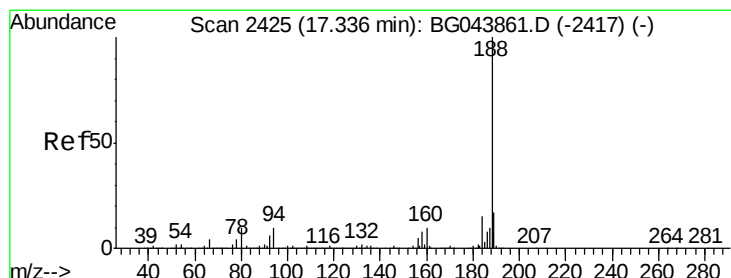
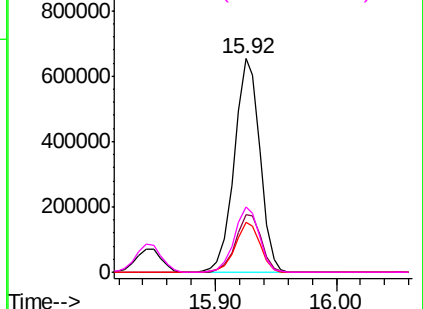
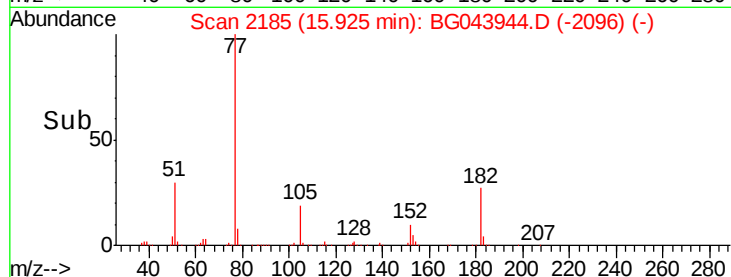


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.34 min Scan# 2425

Delta R.T. -0.00 min

Lab File: BG043944.D

Acq: 6 Jan 2020 23:28

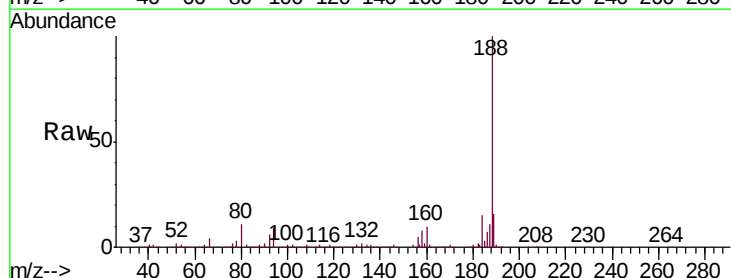
Tgt Ion: 188 Resp: 722652

Ion Ratio Lower Upper

188 100

94 9.2 7.9 11.9

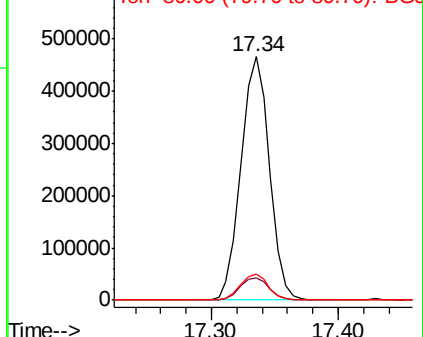
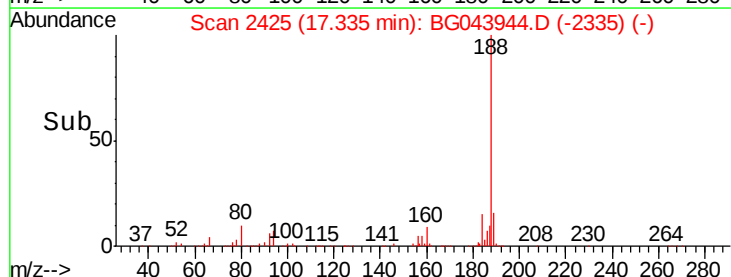
80 10.5 8.2 12.4

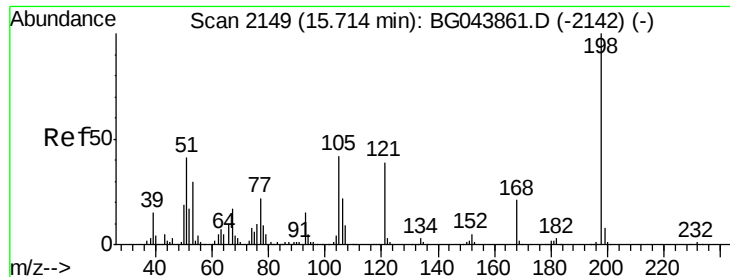


Abundance Ion 188.00 (187.70 to 188.70): BGC

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#65

4,6-Dinitro-2-methylphenol

Concen: 45.118 ng

RT: 15.71 min Scan# 2149

Delta R.T. -0.00 min

Lab File: BG043944.D

Acq: 6 Jan 2020 23:28

Instrument :

BNA\_G

ClientSampleId :

IDOC-W-03-CG

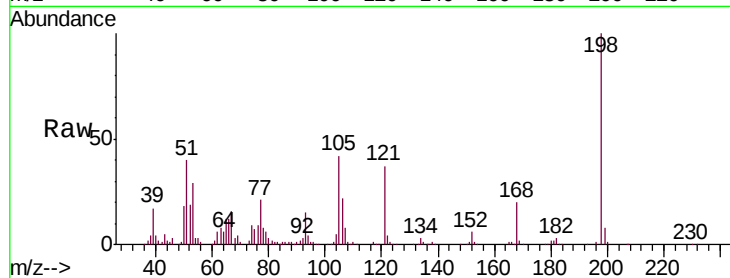
Tgt Ion:198 Resp: 166906

Ion Ratio Lower Upper

198 100

51 40.2 22.5 62.5

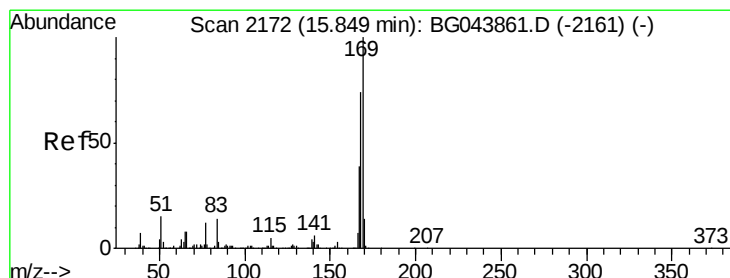
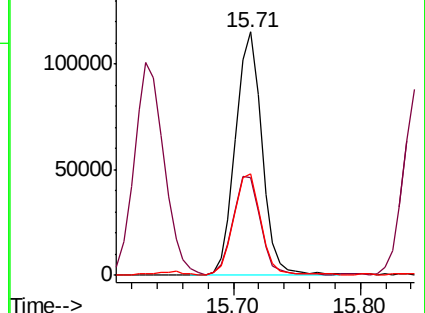
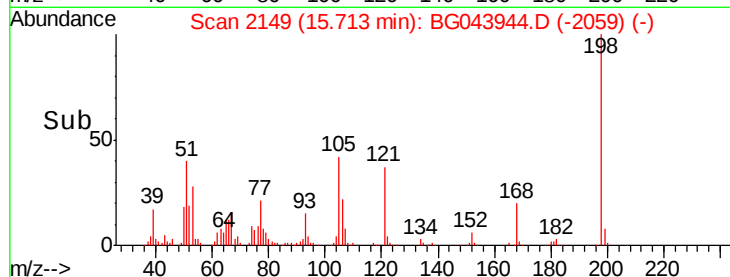
105 41.8 22.3 62.3



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 42.107 ng

RT: 15.85 min Scan# 2172

Delta R.T. -0.00 min

Lab File: BG043944.D

Acq: 6 Jan 2020 23:28

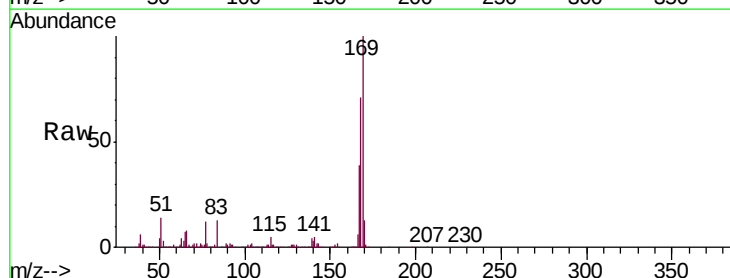
Tgt Ion:169 Resp: 896091

Ion Ratio Lower Upper

169 100

168 71.4 59.0 88.6

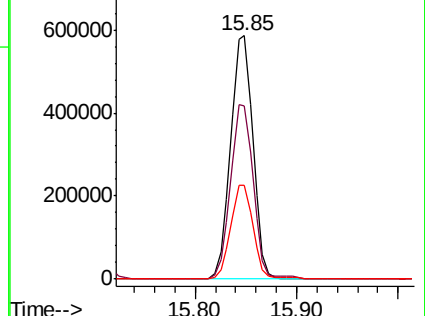
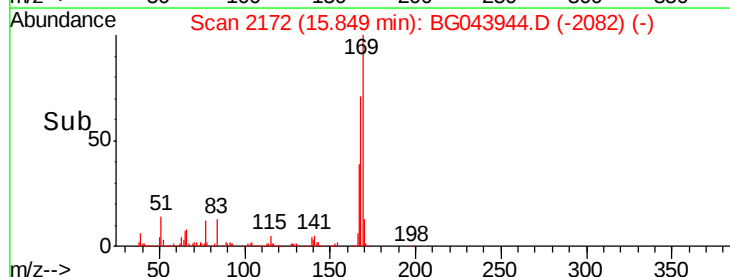
167 38.8 31.4 47.0

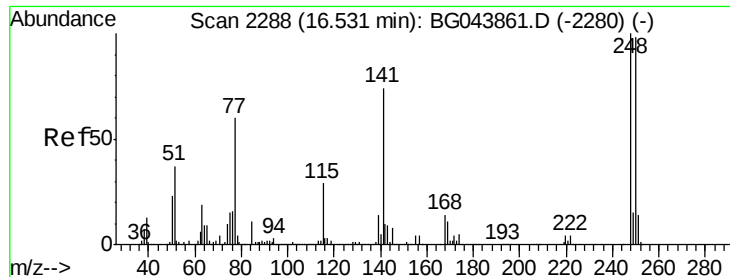


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

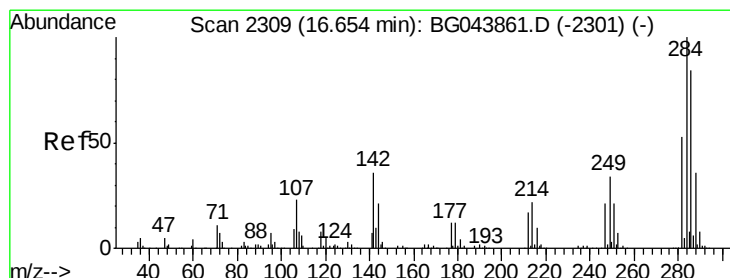
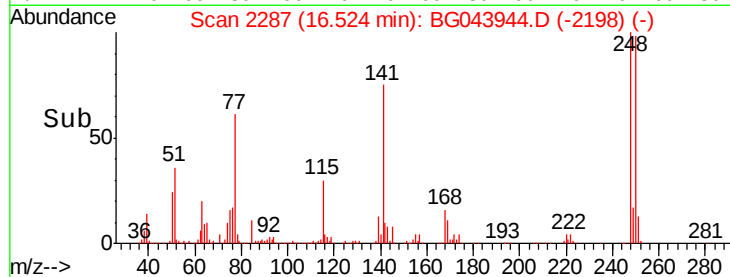
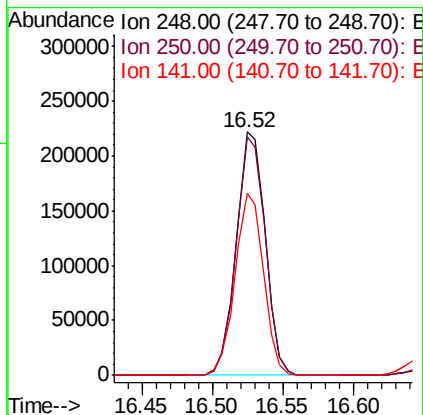
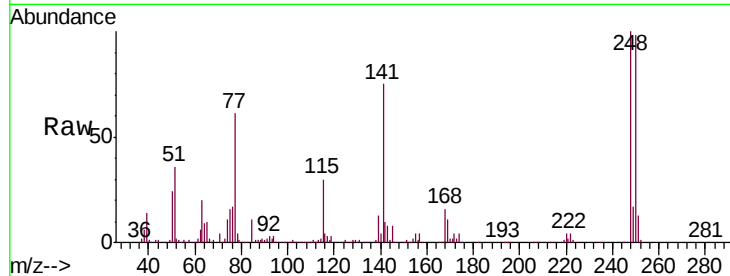




#67  
 4-Bromophenyl-phenylether  
 Concen: 38.983 ng  
 RT: 16.52 min Scan# 2287  
 Delta R.T. -0.01 min  
 Lab File: BG043944.D  
 Acq: 6 Jan 2020 23:28

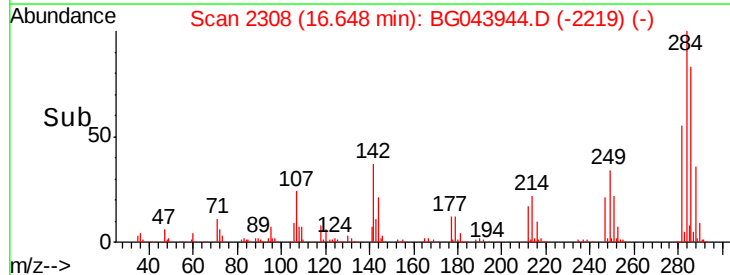
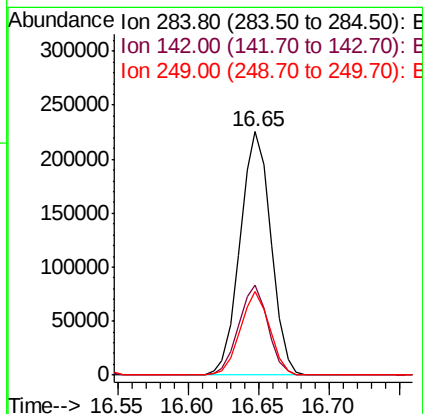
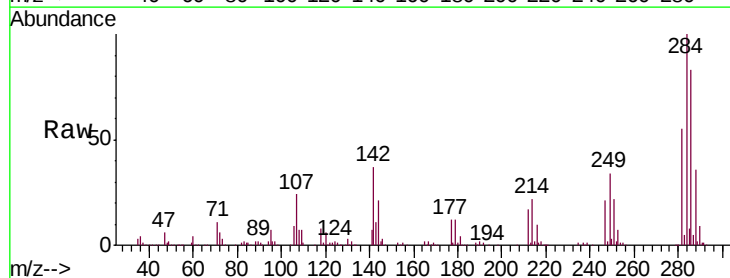
Instrument :  
 BNA\_G  
 ClientSampleId :  
 IDOC-W-03-CG

Tgt Ion:248 Resp: 316841  
 Ion Ratio Lower Upper  
 248 100  
 250 98.0 78.2 117.2  
 141 74.9 59.3 88.9



#68  
 Hexachlorobenzene  
 Concen: 39.259 ng  
 RT: 16.65 min Scan# 2308  
 Delta R.T. -0.01 min  
 Lab File: BG043944.D  
 Acq: 6 Jan 2020 23:28

Tgt Ion:284 Resp: 343825  
 Ion Ratio Lower Upper  
 284 100  
 142 36.9 28.6 43.0  
 249 34.2 27.0 40.6





#69

Atrazine

Concen: 50.240 ng

RT: 16.79 min Scan# 2333

Delta R.T. -0.00 min

Lab File: BG043944.D

Acq: 6 Jan 2020 23:28

Instrument :

BNA\_G

ClientSampleId :

IDOC-W-03-CG

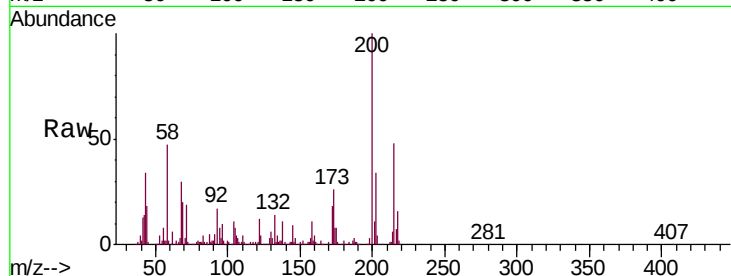
Tgt Ion:200 Resp: 347538

Ion Ratio Lower Upper

200 100

173 26.1 6.6 46.6

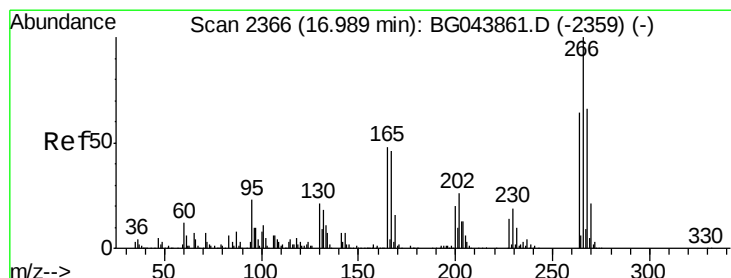
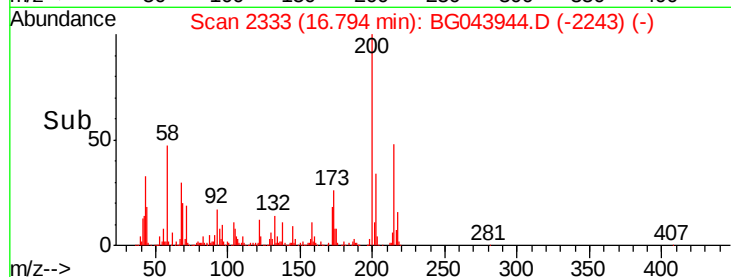
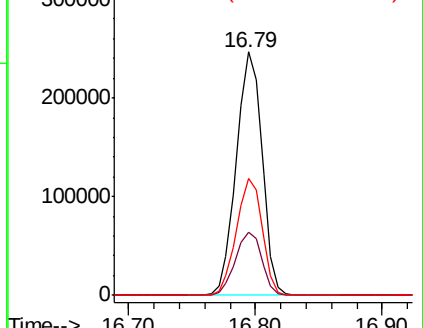
215 48.0 28.6 68.6



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70

Pentachlorophenol

Concen: 78.570 ng

RT: 16.99 min Scan# 2366

Delta R.T. -0.00 min

Lab File: BG043944.D

Acq: 6 Jan 2020 23:28

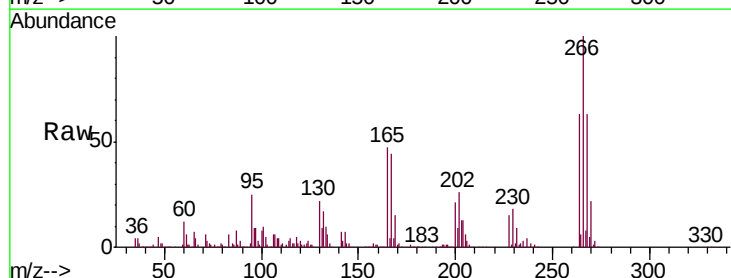
Tgt Ion:266 Resp: 379316

Ion Ratio Lower Upper

266 100

268 63.4 52.6 79.0

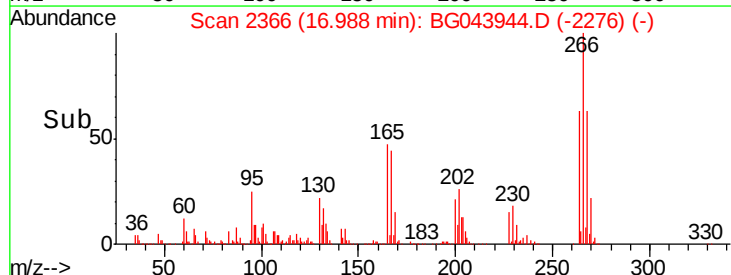
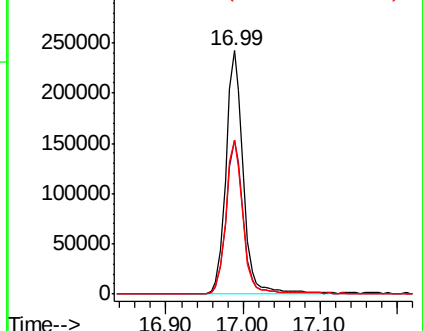
264 63.1 50.8 76.2



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

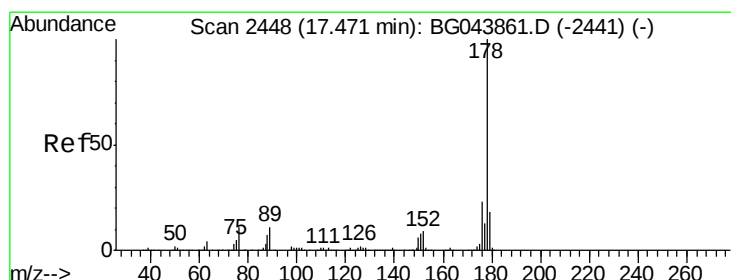
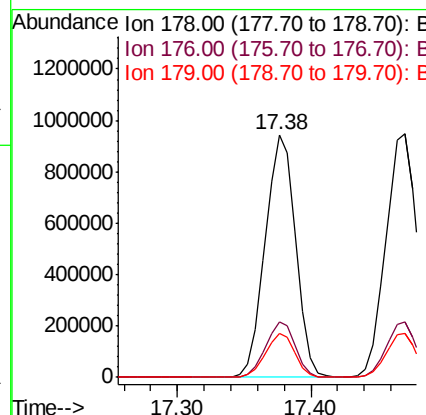
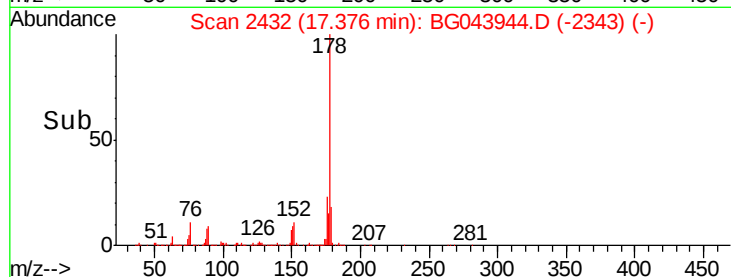
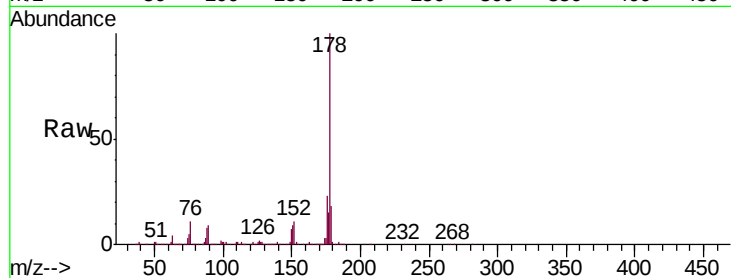




#71  
Phenanthrene  
Concen: 42.841 ng  
RT: 17.38 min Scan# 2432  
Delta R.T. -0.01 min  
Lab File: BG043944.D  
Acq: 6 Jan 2020 23:28

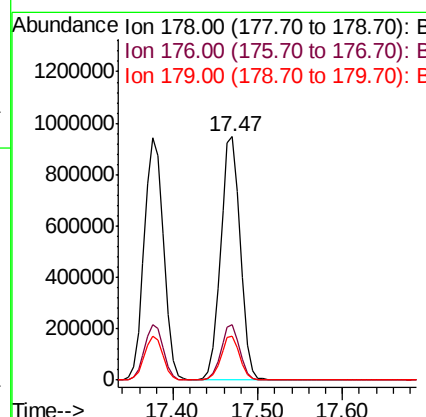
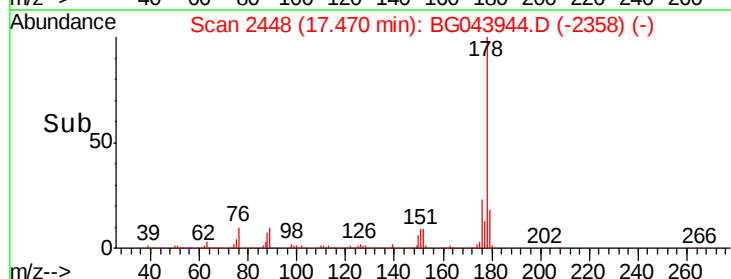
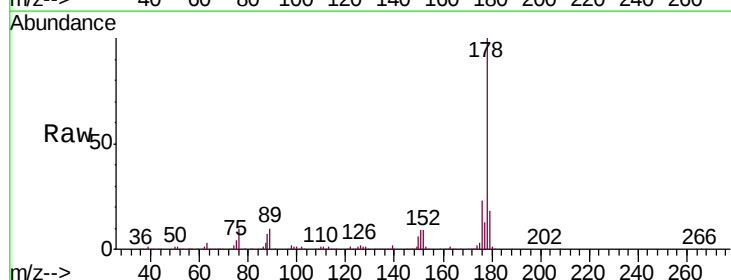
Instrument :  
BNA\_G  
ClientSampleId :  
IDOC-W-03-CG

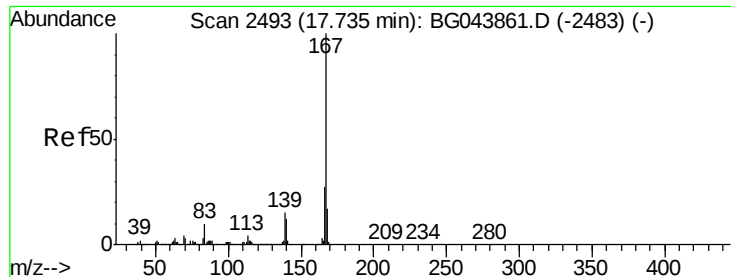
Tgt Ion:178 Resp: 1484971  
Ion Ratio Lower Upper  
178 100  
176 22.9 18.6 28.0  
179 18.0 14.4 21.6



#72  
Anthracene  
Concen: 45.110 ng  
RT: 17.47 min Scan# 2448  
Delta R.T. -0.00 min  
Lab File: BG043944.D  
Acq: 6 Jan 2020 23:28

Tgt Ion:178 Resp: 1545274  
Ion Ratio Lower Upper  
178 100  
176 22.7 18.3 27.5  
179 18.0 14.6 22.0





#73

Carbazole

Concen: 44.266 ng

RT: 17.73 min Scan# 2493

Delta R.T. -0.00 min

Lab File: BG043944.D

Acq: 6 Jan 2020 23:28

Instrument :

BNA\_G

ClientSampleId :

IDOC-W-03-CG

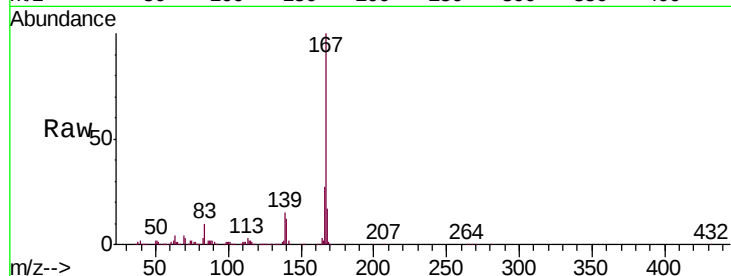
Tgt Ion:167 Resp: 1400700

Ion Ratio Lower Upper

167 100

166 26.9 21.6 32.4

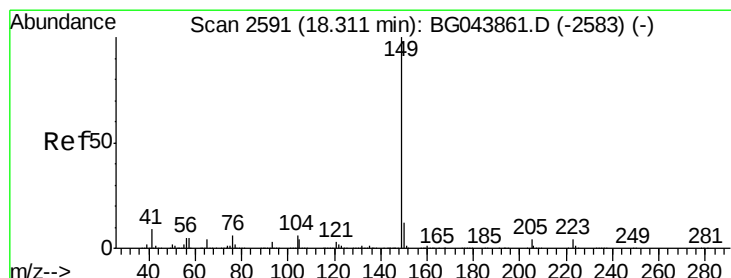
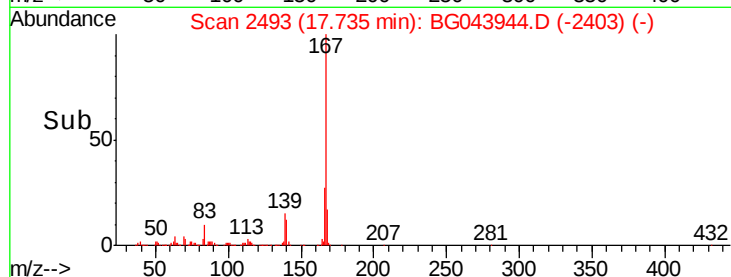
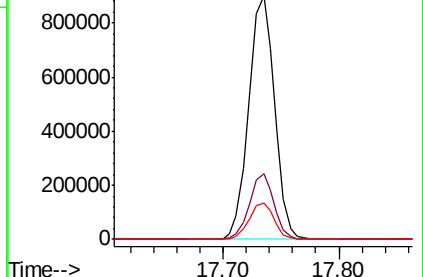
139 15.1 12.1 18.1



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 42.474 ng

RT: 18.30 min Scan# 2590

Delta R.T. -0.01 min

Lab File: BG043944.D

Acq: 6 Jan 2020 23:28

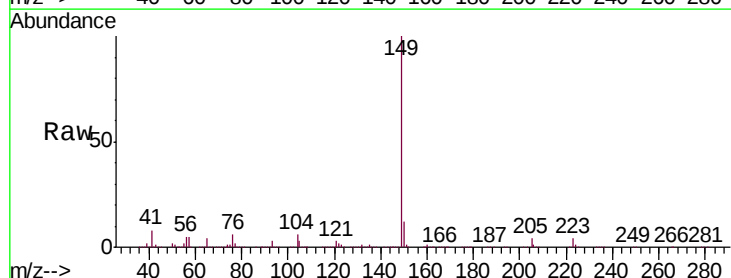
Tgt Ion:149 Resp: 1715952

Ion Ratio Lower Upper

149 100

150 11.7 9.7 14.5

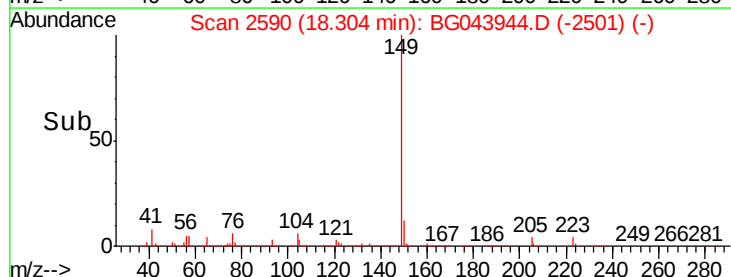
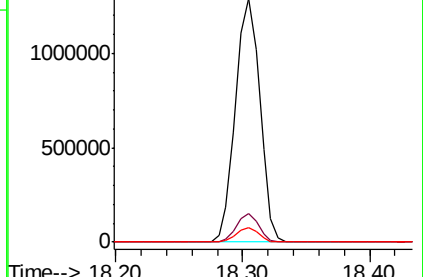
104 6.1 5.0 7.4



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





#75

Fluoranthene

Concen: 43.186 ng

RT: 19.39 min Scan# 2774

Delta R.T. -0.00 min

Lab File: BG043944.D

Acq: 6 Jan 2020 23:28

Instrument :

BNA\_G

ClientSampleId :

IDOC-W-03-CG

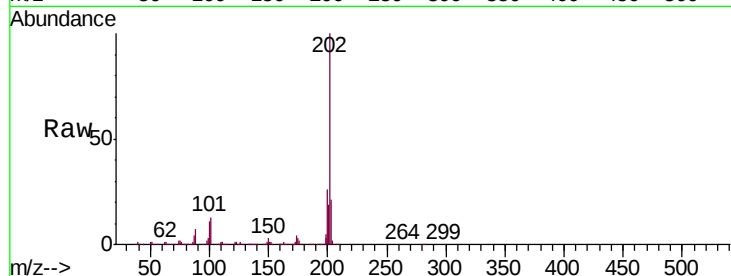
Tgt Ion:202 Resp: 1711920

Ion Ratio Lower Upper

202 100

101 13.4 0.0 33.3

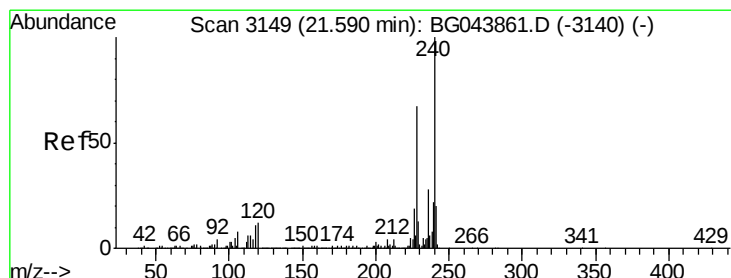
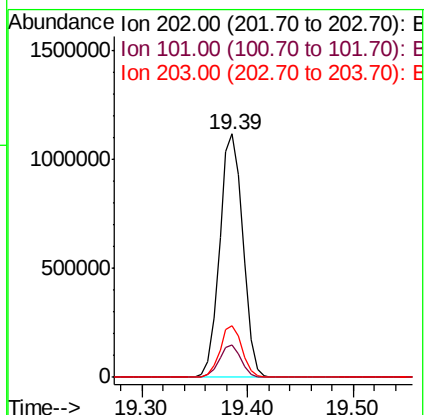
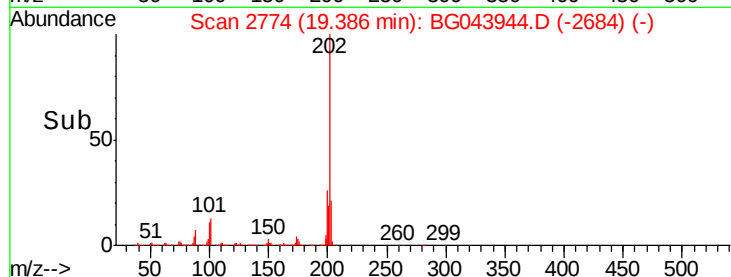
203 21.3 1.6 41.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.59 min Scan# 3149

Delta R.T. -0.00 min

Lab File: BG043944.D

Acq: 6 Jan 2020 23:28

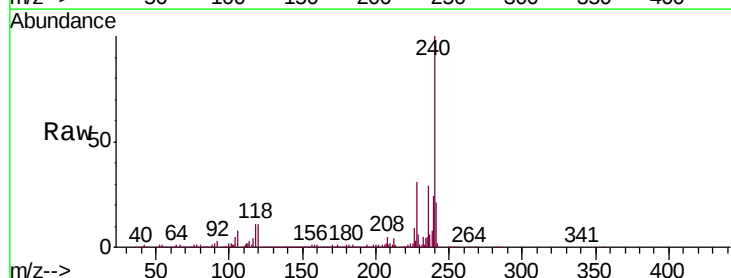
Tgt Ion:240 Resp: 629536

Ion Ratio Lower Upper

240 100

120 10.7 9.6 14.4

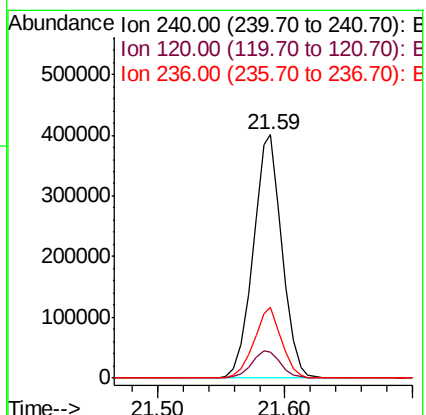
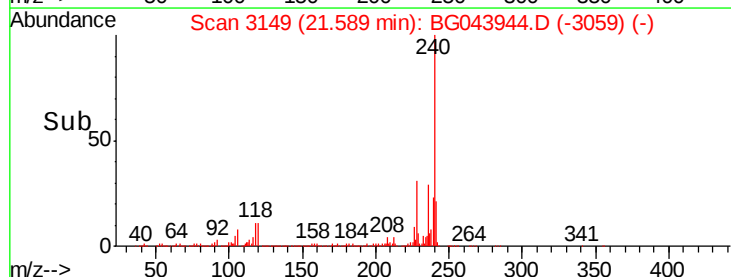
236 28.9 22.2 33.2

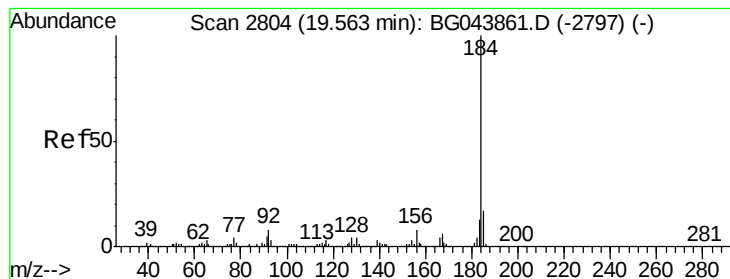


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 53.388 ng

RT: 19.56 min Scan# 2804

Delta R.T. -0.00 min

Lab File: BG043944.D

Acq: 6 Jan 2020 23:28

Instrument :

BNA\_G

ClientSampleId :

IDOC-W-03-CG

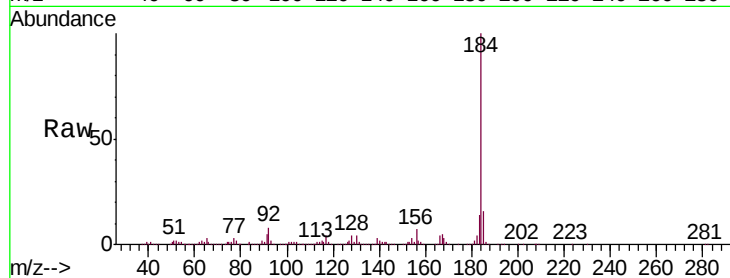
Tgt Ion:184 Resp: 844795

Ion Ratio Lower Upper

184 100

185 16.4 13.4 20.0

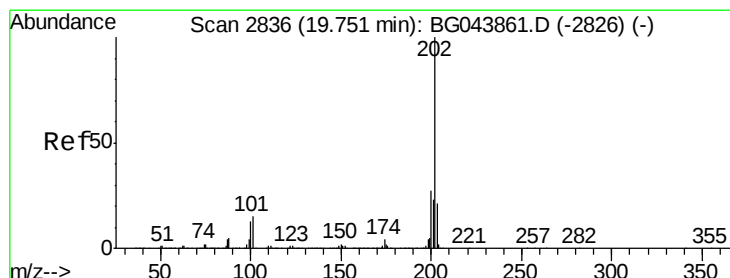
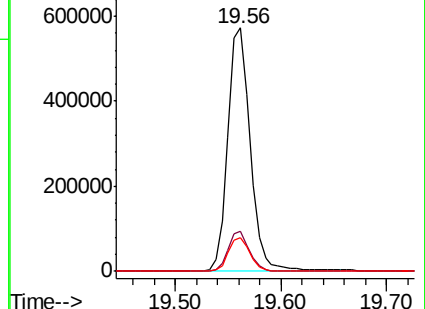
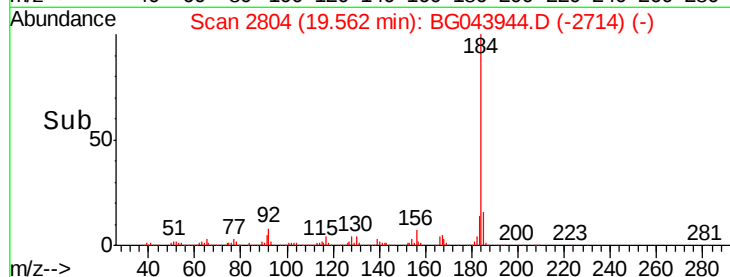
183 14.0 10.6 15.8



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 41.921 ng

RT: 19.74 min Scan# 2835

Delta R.T. -0.01 min

Lab File: BG043944.D

Acq: 6 Jan 2020 23:28

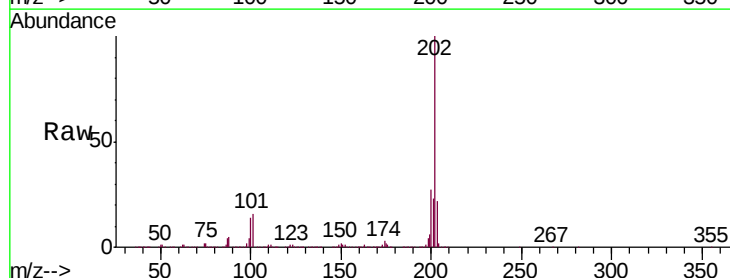
Tgt Ion:202 Resp: 1722628

Ion Ratio Lower Upper

202 100

200 27.3 21.7 32.5

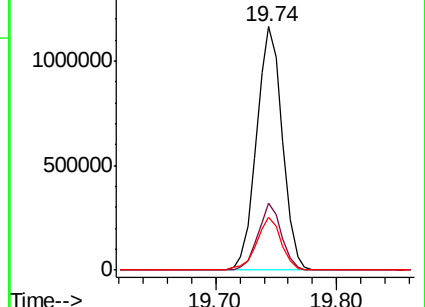
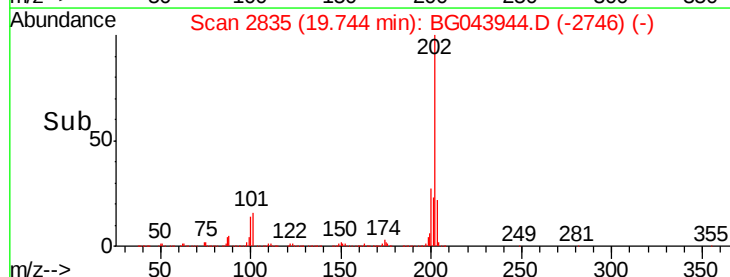
203 21.8 17.0 25.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

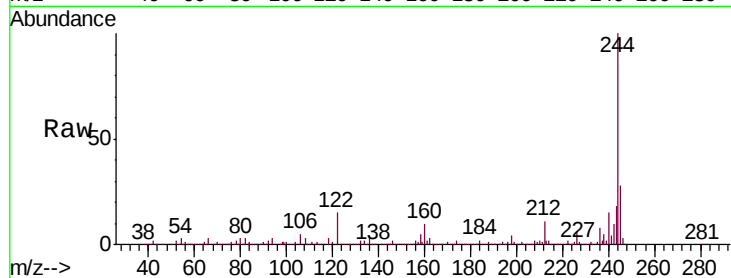




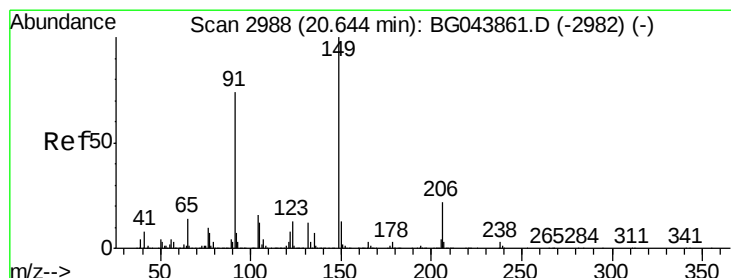
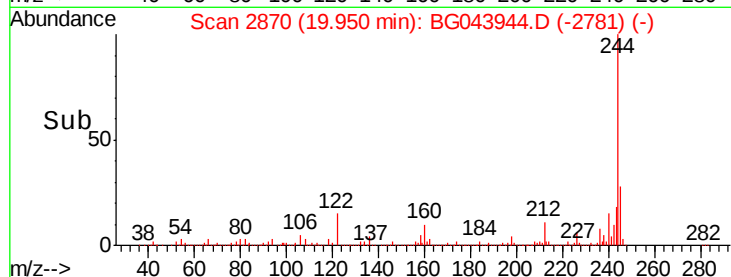
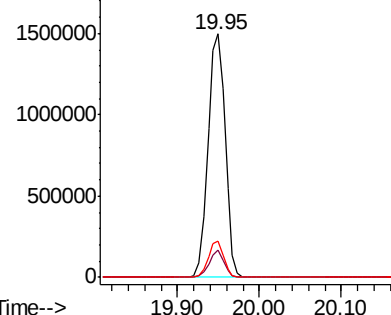
#79  
 Terphenyl-d14  
 Concen: 82.813 ng  
 RT: 19.95 min Scan# 2870  
 Delta R.T. -0.01 min  
 Lab File: BG043944.D  
 Acq: 6 Jan 2020 23:28

Instrument :  
 BNA\_G  
 ClientSampleId :  
 IDOC-W-03-CG

Tgt Ion:244 Resp: 2177137  
 Ion Ratio Lower Upper  
 244 100  
 212 11.0 8.6 13.0  
 122 14.7 11.9 17.9

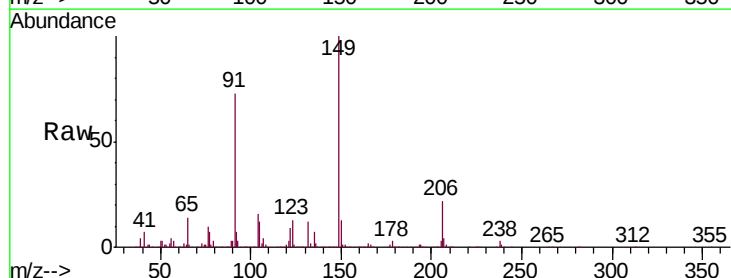


Abundance Ion 244.00 (243.70 to 244.70): E  
 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E

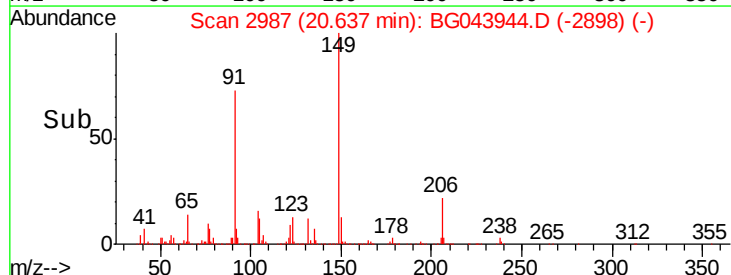
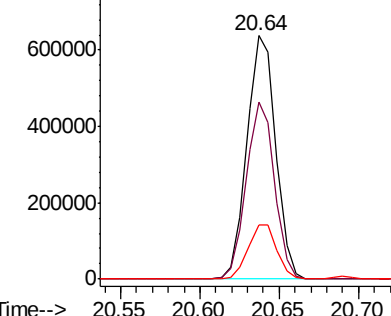


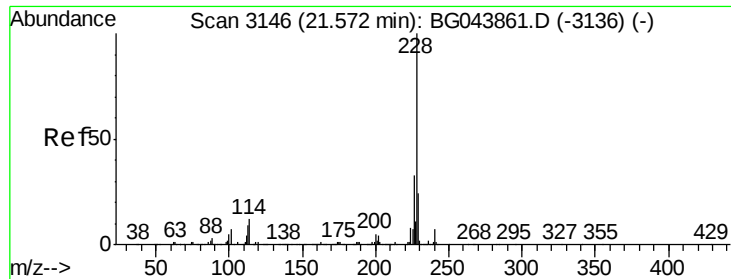
#80  
 Butylbenzylphthalate  
 Concen: 41.394 ng  
 RT: 20.64 min Scan# 2987  
 Delta R.T. -0.01 min  
 Lab File: BG043944.D  
 Acq: 6 Jan 2020 23:28

Tgt Ion:149 Resp: 809811  
 Ion Ratio Lower Upper  
 149 100  
 91 72.9 59.5 89.3  
 206 22.1 17.8 26.6



Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 91.00 (90.70 to 91.70): BG  
 Ion 206.00 (205.70 to 206.70): E

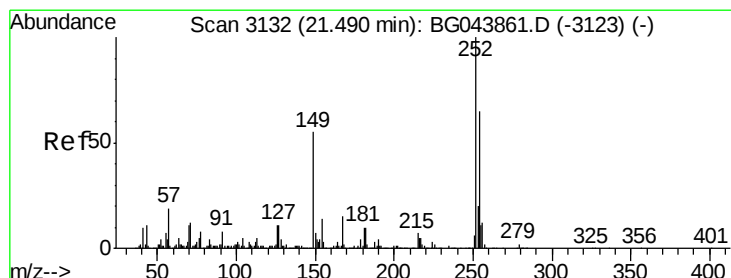
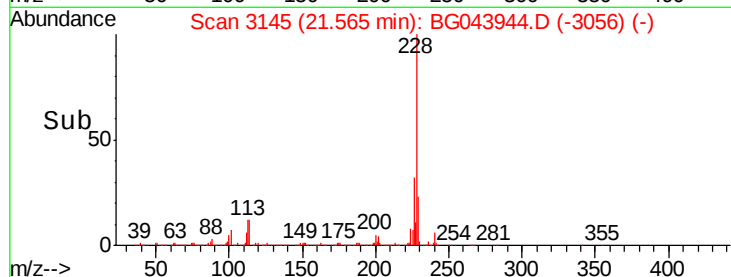
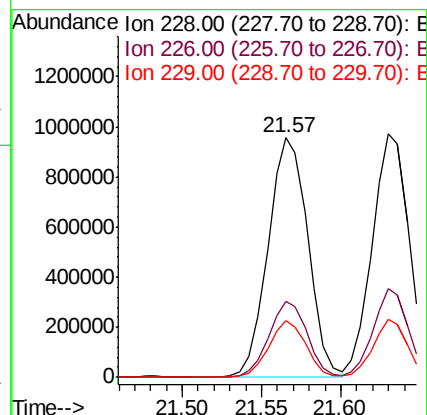
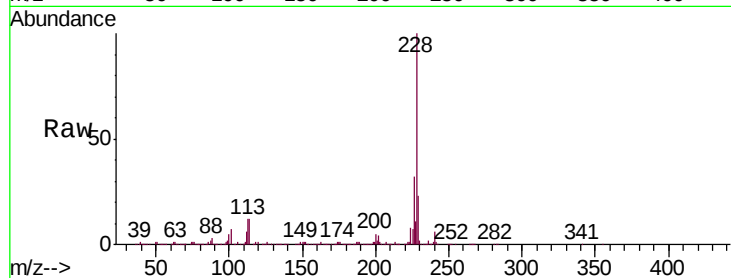




#81  
Benzo(a)anthracene  
Concen: 42.675 ng  
RT: 21.57 min Scan# 3145  
Delta R.T. -0.01 min  
Lab File: BG043944.D  
Acq: 6 Jan 2020 23:28

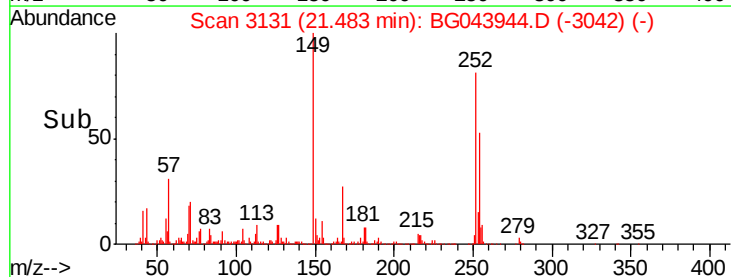
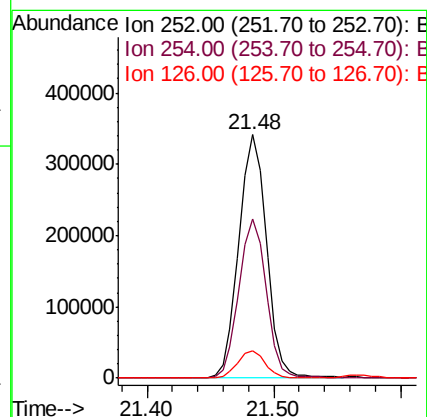
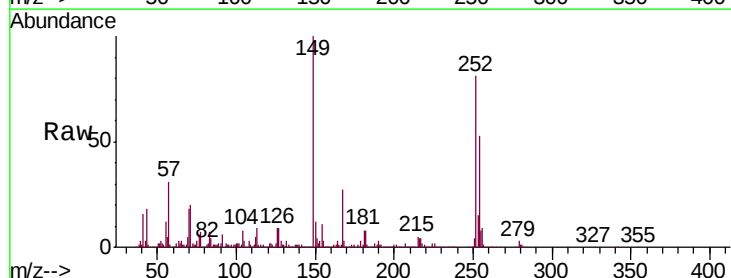
Instrument :  
BNA\_G  
ClientSampleId :  
IDOC-W-03-CG

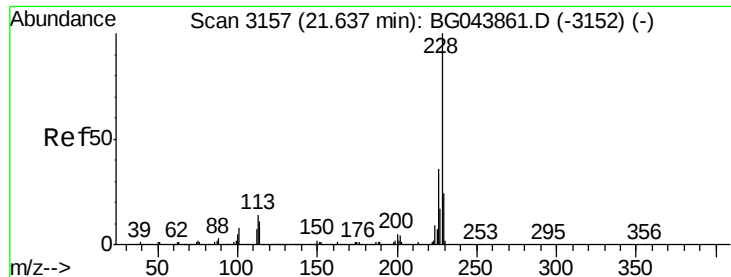
Tgt Ion:228 Resp: 1665862  
Ion Ratio Lower Upper  
228 100  
226 32.0 26.2 39.4  
229 23.5 18.9 28.3



#82  
3,3'-Dichlorobenzidine  
Concen: 33.528 ng  
RT: 21.48 min Scan# 3131  
Delta R.T. -0.01 min  
Lab File: BG043944.D  
Acq: 6 Jan 2020 23:28

Tgt Ion:252 Resp: 517077  
Ion Ratio Lower Upper  
252 100  
254 65.5 52.1 78.1  
126 11.1 9.1 13.7





#83

Chrysene

Concen: 42.452 ng

RT: 21.63 min Scan# 3156

Delta R.T. -0.01 min

Lab File: BG043944.D

Acq: 6 Jan 2020 23:28

Instrument :

BNA\_G

ClientSampleId :

IDOC-W-03-CG

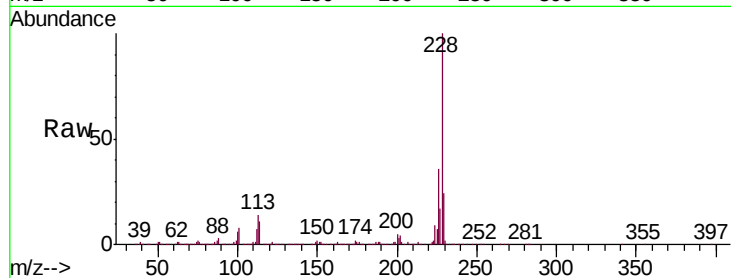
Tgt Ion:228 Resp: 1574614

Ion Ratio Lower Upper

228 100

226 36.2 28.8 43.2

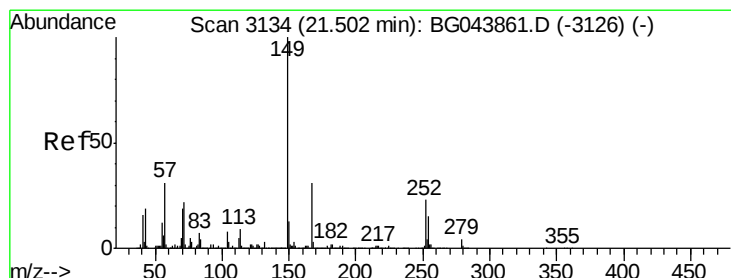
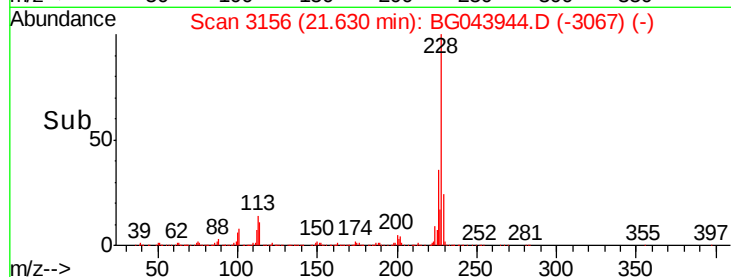
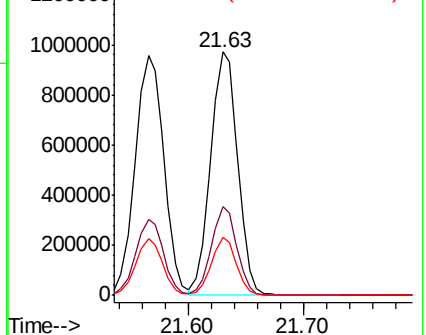
229 23.6 19.0 28.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 42.380 ng

RT: 21.49 min Scan# 3133

Delta R.T. -0.01 min

Lab File: BG043944.D

Acq: 6 Jan 2020 23:28

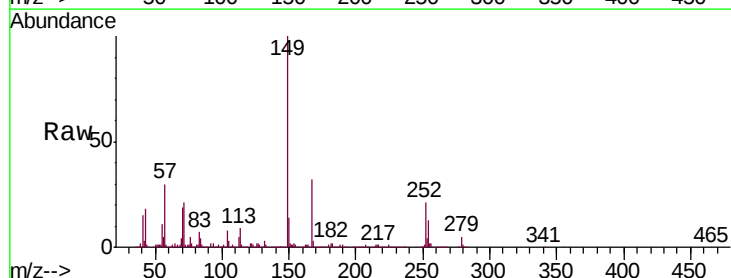
Tgt Ion:149 Resp: 1144006

Ion Ratio Lower Upper

149 100

167 31.6 24.7 37.1

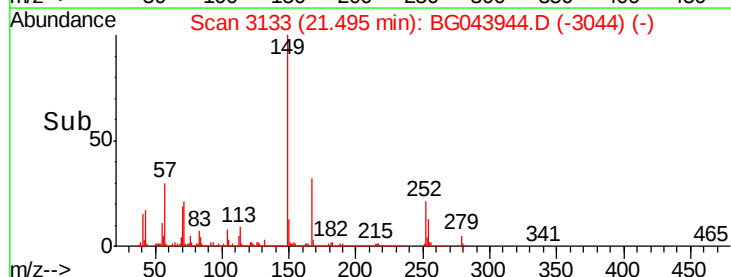
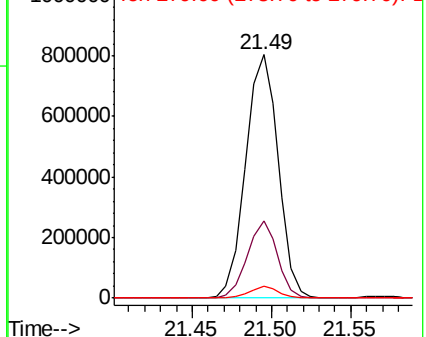
279 4.7 3.3 4.9



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 43.340 ng

RT: 22.68 min Scan# 3334

Delta R.T. -0.01 min

Lab File: BG043944.D

Acq: 6 Jan 2020 23:28

Instrument :

BNA\_G

ClientSampleId :

IDOC-W-03-CG

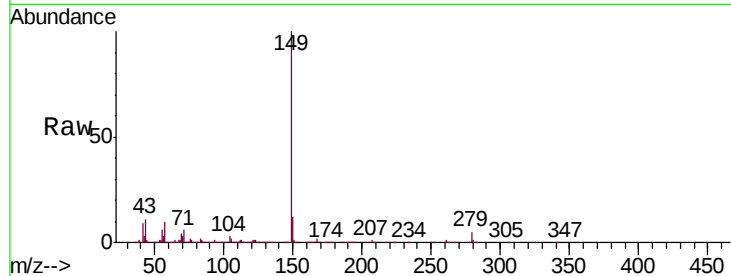
Tgt Ion:149 Resp: 1966818

Ion Ratio Lower Upper

149 100

167 1.8 1.4 2.0

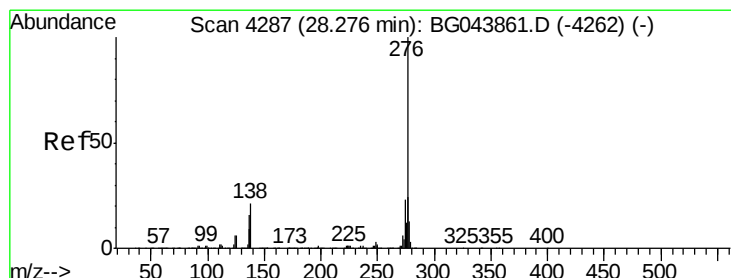
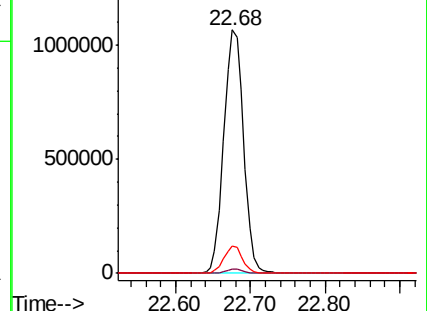
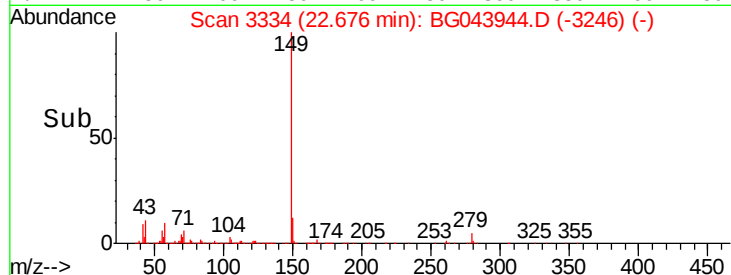
43 10.4 8.8 13.2



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGC



#86

Indeno(1,2,3-cd)pyrene

Concen: 39.848 ng

RT: 28.26 min Scan# 4284

Delta R.T. -0.02 min

Lab File: BG043944.D

Acq: 6 Jan 2020 23:28

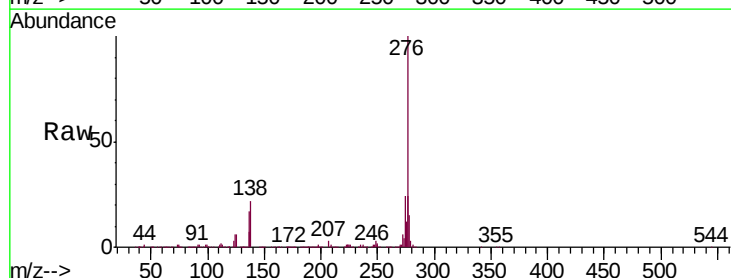
Tgt Ion:276 Resp: 2008617

Ion Ratio Lower Upper

276 100

138 14.9 21.0 31.4#

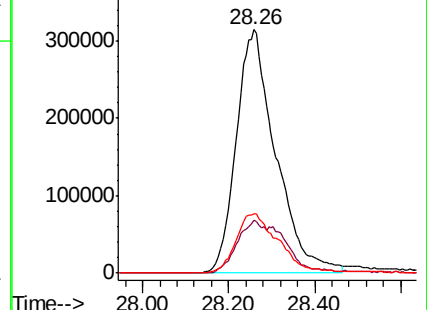
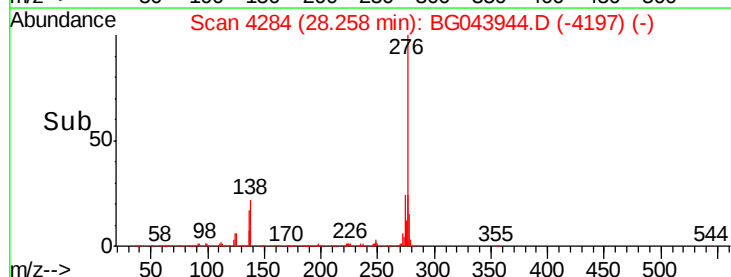
277 26.4 21.1 31.7

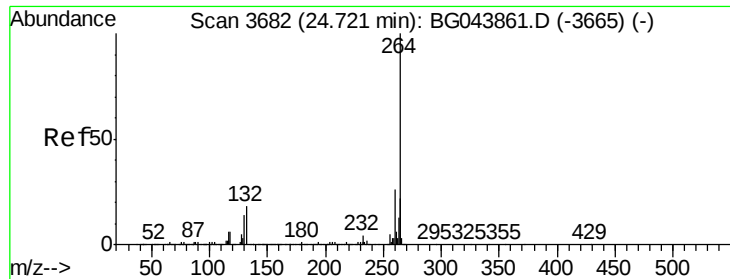


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

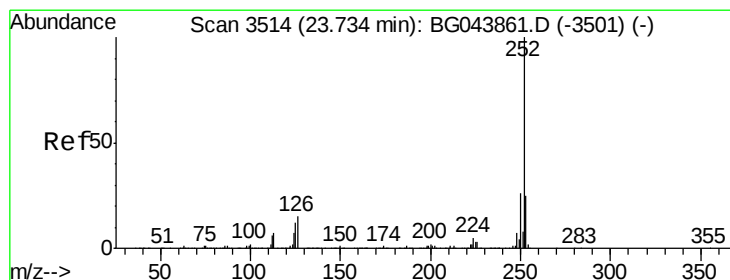
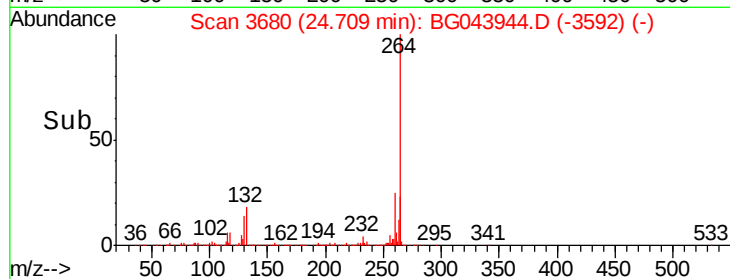
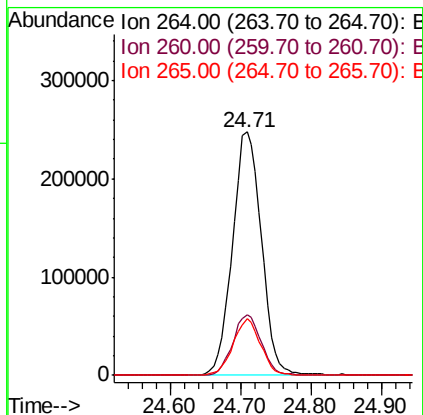
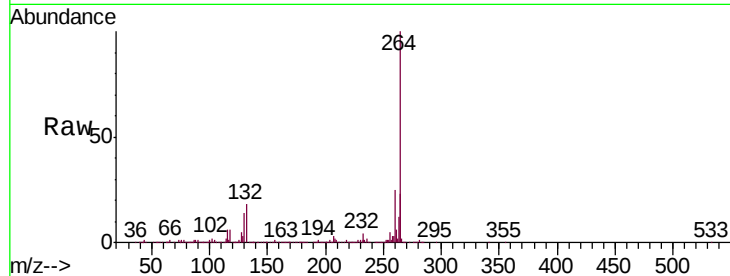




#87  
Perylene-d12  
Concen: 20.000 ng  
RT: 24.71 min Scan# 3680  
Delta R.T. -0.01 min  
Lab File: BG043944.D  
Acq: 6 Jan 2020 23:28

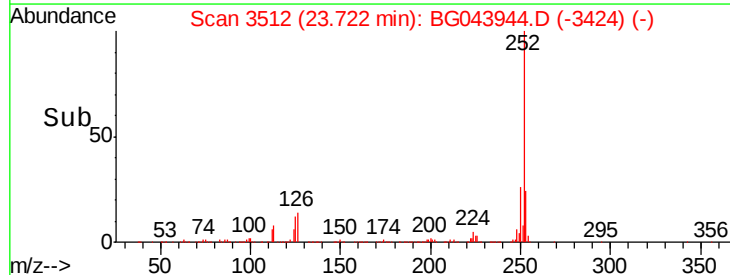
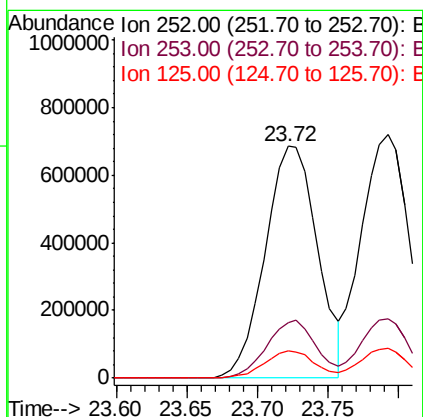
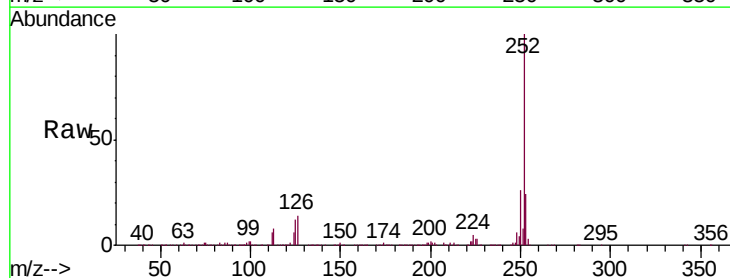
Instrument :  
BNA\_G  
ClientSampleId :  
IDOC-W-03-CG

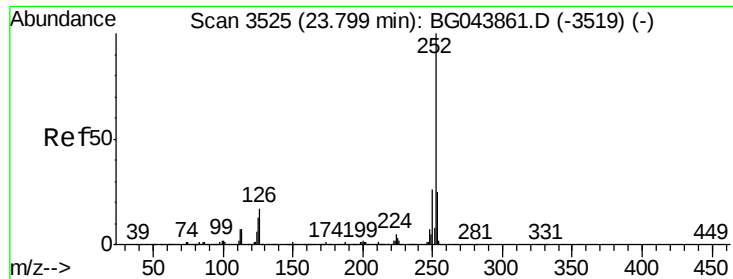
Tgt Ion:264 Resp: 705741  
Ion Ratio Lower Upper  
264 100  
260 25.0 20.4 30.6  
265 23.2 17.4 26.2



#88  
Benzo(b)fluoranthene  
Concen: 42.590 ng  
RT: 23.72 min Scan# 3512  
Delta R.T. -0.01 min  
Lab File: BG043944.D  
Acq: 6 Jan 2020 23:28

Tgt Ion:252 Resp: 1776943  
Ion Ratio Lower Upper  
252 100  
253 23.8 19.7 29.5  
125 11.6 9.4 14.2

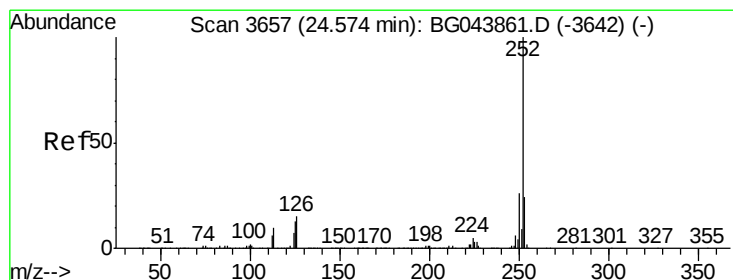
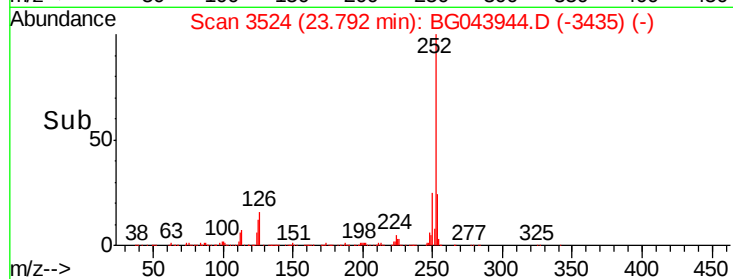
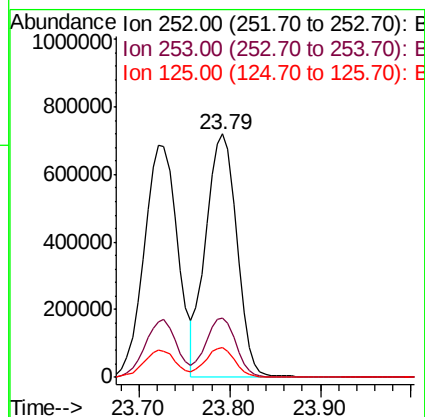
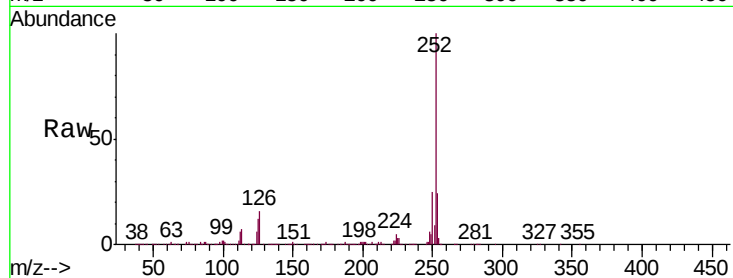




#89  
Benzo(k)fluoranthene  
Concen: 43.163 ng  
RT: 23.79 min Scan# 3524  
Delta R.T. -0.01 min  
Lab File: BG043944.D  
Acq: 6 Jan 2020 23:28

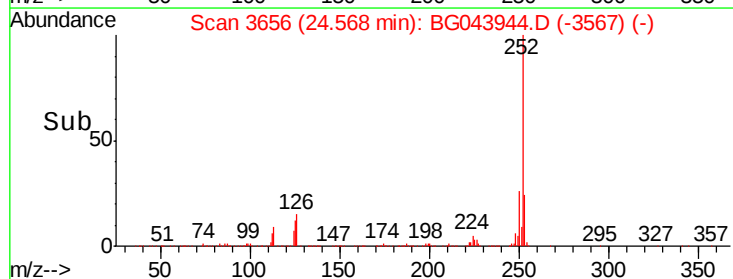
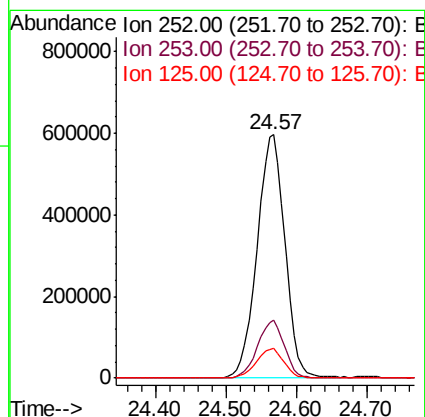
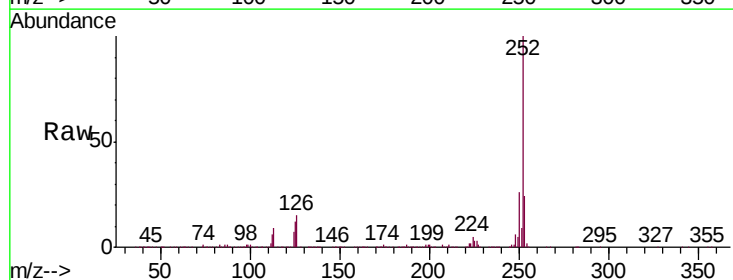
Instrument :  
BNA\_G  
ClientSampleId :  
IDOC-W-03-CG

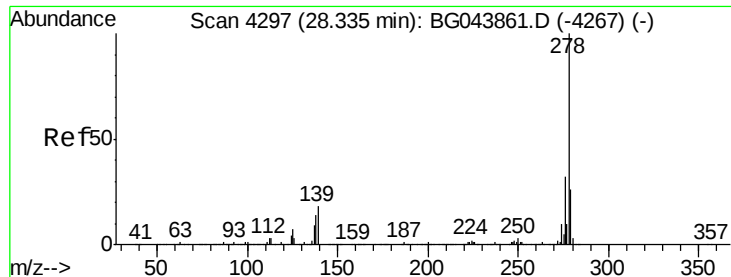
Tgt Ion:252 Resp: 1712474  
Ion Ratio Lower Upper  
252 100  
253 24.3 19.4 29.2  
125 12.0 9.9 14.9



#90  
Benzo(a)pyrene  
Concen: 41.810 ng  
RT: 24.57 min Scan# 3656  
Delta R.T. -0.01 min  
Lab File: BG043944.D  
Acq: 6 Jan 2020 23:28

Tgt Ion:252 Resp: 1646395  
Ion Ratio Lower Upper  
252 100  
253 23.7 19.3 28.9  
125 12.4 10.4 15.6





#91

Dibenzo(a,h)anthracene

Concen: 42.541 ng

RT: 28.32 min Scan# 4295

Delta R.T. -0.01 min

Lab File: BG043944.D

Acq: 6 Jan 2020 23:28

Instrument :

BNA\_G

ClientSampleId :

IDOC-W-03-CG

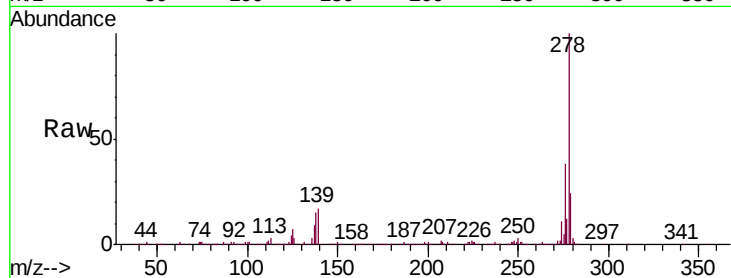
Tgt Ion:278 Resp: 1682364

Ion Ratio Lower Upper

278 100

139 16.7 14.2 21.4

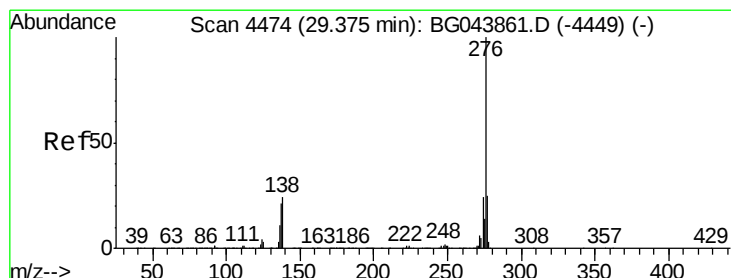
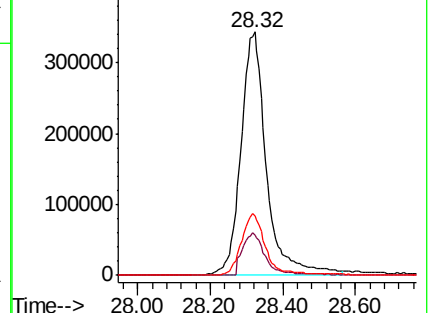
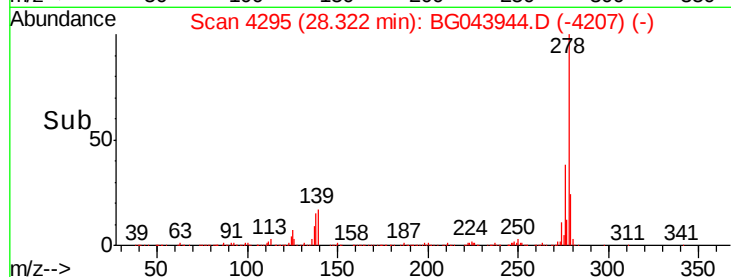
279 24.2 20.6 30.8



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 42.387 ng

RT: 29.36 min Scan# 4471

Delta R.T. -0.02 min

Lab File: BG043944.D

Acq: 6 Jan 2020 23:28

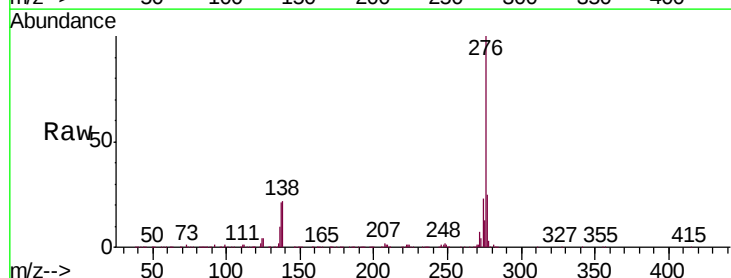
Tgt Ion:276 Resp: 1665075

Ion Ratio Lower Upper

276 100

277 24.6 20.2 30.4

138 21.6 19.0 28.6



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

