

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG022119\  
 Data File : BG039575.D  
 Acq On : 21 Feb 2019 17:31  
 Operator : JU/SJ  
 Sample : K1349-10MS  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 OR-02-021919-AMS

Quant Time: Feb 21 22:03:11 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG012919.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jan 29 15:41:51 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.17  | 152  | 48910    | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8        | 10.99 | 136  | 215891   | 20.00 | ng    | -0.02    |
| 39) Acenaphthene-d10      | 14.80 | 164  | 149218   | 20.00 | ng    | -0.02    |
| 64) Phenanthrene-d10      | 17.54 | 188  | 358714   | 20.00 | ng    | -0.02    |
| 76) Chrysene-d12          | 21.83 | 240  | 358285   | 20.00 | ng    | -0.02    |
| 87) Perylene-d12          | 25.20 | 264  | 353730   | 20.00 | ng    | -0.04    |

|                             |       |     |         |        |    |       |
|-----------------------------|-------|-----|---------|--------|----|-------|
| System Monitoring Compounds |       |     |         |        |    |       |
| 5) 2-Fluorophenol           | 5.72  | 112 | 374761  | 131.14 | ng | 0.00  |
| 7) Phenol-d6                | 7.32  | 99  | 485039  | 115.31 | ng | 0.00  |
| 23) Nitrobenzene-d5         | 9.35  | 82  | 373880  | 108.19 | ng | -0.01 |
| 42) 2,4,6-Tribromophenol    | 16.28 | 330 | 236731  | 147.33 | ng | 0.00  |
| 45) 2-Fluorobiphenyl        | 13.41 | 172 | 879698  | 84.57  | ng | -0.02 |
| 79) Terphenyl-d14           | 20.13 | 244 | 1391924 | 82.23  | ng | -0.02 |

|                                |       |     |        |        |    |      |
|--------------------------------|-------|-----|--------|--------|----|------|
| Target Compounds               |       |     |        | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.61  | 88  | 42456  | 33.964 | ng | # 1  |
| 3) Pyridine                    | 4.02  | 79  | 115557 | 34.916 | ng | 97   |
| 4) n-Nitrosodimethylamine      | 3.93  | 42  | 65515  | 39.582 | ng | 88   |
| 6) Aniline                     | 7.49  | 93  | 51990  | 9.867  | ng | 98   |
| 8) 2-Chlorophenol              | 7.73  | 128 | 144097 | 46.130 | ng | 95   |
| 9) Benzaldehyde                | 7.31  | 77  | 109859 | 60.536 | ng | 93   |
| 10) Phenol                     | 7.35  | 94  | 161707 | 36.878 | ng | 93   |
| 11) bis(2-Chloroethyl)ether    | 7.59  | 93  | 143048 | 41.285 | ng | 98   |
| 12) 1,3-Dichlorobenzene        | 8.06  | 146 | 151152 | 39.943 | ng | 99   |
| 13) 1,4-Dichlorobenzene        | 8.20  | 146 | 155495 | 41.226 | ng | 99   |
| 14) 1,2-Dichlorobenzene        | 8.52  | 146 | 149058 | 40.823 | ng | 98   |
| 15) Benzyl Alcohol             | 8.41  | 79  | 141571 | 42.869 | ng | 98   |
| 16) 2,2'-oxybis(1-Chloropropan | 8.68  | 45  | 274299 | 35.056 | ng | 99   |
| 17) 2-Methylphenol             | 8.60  | 107 | 127094 | 44.789 | ng | 93   |
| 18) Hexachloroethane           | 9.26  | 117 | 54058  | 41.659 | ng | 99   |
| 19) n-Nitroso-di-n-propylamine | 8.97  | 70  | 120199 | 40.260 | ng | 92   |
| 20) 3+4-Methylphenols          | 8.93  | 107 | 170201 | 43.557 | ng | 97   |
| 22) Acetophenone               | 9.00  | 105 | 230088 | 39.676 | ng | # 96 |
| 24) Nitrobenzene               | 9.39  | 77  | 177228 | 47.471 | ng | 97   |
| 25) Isophorone                 | 9.90  | 82  | 336543 | 43.946 | ng | 98   |
| 26) 2-Nitrophenol              | 10.10 | 139 | 84516  | 55.122 | ng | 96   |
| 27) 2,4-Dimethylphenol         | 10.14 | 122 | 148591 | 47.965 | ng | 93   |
| 28) bis(2-Chloroethoxy)methane | 10.38 | 93  | 203663 | 43.177 | ng | 97   |
| 29) 2,4-Dichlorophenol         | 10.63 | 162 | 164047 | 48.452 | ng | 96   |
| 30) 1,2,4-Trichlorobenzene     | 10.85 | 180 | 160047 | 42.104 | ng | 98   |
| 31) Naphthalene                | 11.04 | 128 | 476900 | 44.528 | ng | 98   |
| 32) Benzoic acid               | 10.25 | 122 | 67848  | 36.181 | ng | 99   |
| 33) 4-Chloroaniline            | 11.16 | 127 | 13787  | 2.776  | ng | # 94 |
| 34) Hexachlorobutadiene        | 11.31 | 225 | 101123 | 40.002 | ng | 96   |
| 35) Caprolactam                | 11.93 | 113 | 38162  | 27.238 | ng | 92   |
| 36) 4-Chloro-3-methylphenol    | 12.26 | 107 | 180069 | 45.987 | ng | 96   |
| 37) 2-Methylnaphthalene        | 12.63 | 142 | 361280 | 45.544 | ng | 99   |
| 38) 1-Methylnaphthalene        | 12.85 | 142 | 343078 | 44.867 | ng | 99   |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.99 | 216 | 193530 | 40.763 | ng | 98   |

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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 12.96 | 237  | 218830   | 84.586 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol      | 13.23 | 196  | 137780   | 47.199 | ng    | 99       |
| 44) 2,4,5-Trichlorophenol      | 13.30 | 196  | 149727   | 48.939 | ng    | 98       |
| 46) 1,1'-Biphenyl              | 13.63 | 154  | 482606   | 38.872 | ng    | 99       |
| 47) 2-Chloronaphthalene        | 13.68 | 162  | 377255   | 40.392 | ng    | 99       |
| 48) 2-Nitroaniline             | 13.88 | 65   | 132002   | 48.993 | ng    | 93       |
| 49) Acenaphthylene             | 14.52 | 152  | 614258   | 43.586 | ng    | 99       |
| 50) Dimethylphthalate          | 14.24 | 163  | 502700   | 41.713 | ng    | 99       |
| 51) 2,6-Dinitrotoluene         | 14.37 | 165  | 112796   | 49.795 | ng    | 97       |
| 52) Acenaphthene               | 14.86 | 154  | 374509   | 40.939 | ng    | 98       |
| 53) 3-Nitroaniline             | 14.71 | 138  | 13250    | 10.587 | ng    | # 92     |
| 54) 2,4-Dinitrophenol          | 14.90 | 184  | 42619    | 51.856 | ng    | 98       |
| 55) Dibenzofuran               | 15.19 | 168  | 617422   | 42.095 | ng    | 99       |
| 56) 4-Nitrophenol              | 15.00 | 139  | 135421   | 63.441 | ng    | 90       |
| 57) 2,4-Dinitrotoluene         | 15.15 | 165  | 160210   | 54.302 | ng    | 88       |
| 58) Fluorene                   | 15.83 | 166  | 491181   | 44.923 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol  | 15.41 | 232  | 137474   | 47.990 | ng    | 97       |
| 60) Diethylphthalate           | 15.59 | 149  | 512113   | 41.100 | ng    | 97       |
| 61) 4-Chlorophenyl-phenylether | 15.82 | 204  | 259163   | 41.861 | ng    | 97       |
| 62) 4-Nitroaniline             | 15.87 | 138  | 112307   | 44.752 | ng    | 94       |
| 63) Azobenzene                 | 16.12 | 77   | 464377   | 38.130 | ng    | 97       |
| 65) 4,6-Dinitro-2-methylphenol | 15.91 | 198  | 54529    | 41.079 | ng    | 96       |
| 66) n-Nitrosodiphenylamine     | 16.04 | 169  | 445535   | 40.848 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether  | 16.72 | 248  | 169371   | 42.561 | ng    | 95       |
| 68) Hexachlorobenzene          | 16.83 | 284  | 168979   | 42.322 | ng    | 99       |
| 69) Atrazine                   | 16.98 | 200  | 162583   | 40.789 | ng    | 96       |
| 70) Pentachlorophenol          | 17.18 | 266  | 158547   | 57.135 | ng    | 98       |
| 71) Phenanthrene               | 17.58 | 178  | 807967   | 43.519 | ng    | 99       |
| 72) Anthracene                 | 17.67 | 178  | 819993   | 44.839 | ng    | 99       |
| 73) Carbazole                  | 17.94 | 167  | 720142   | 39.458 | ng    | 99       |
| 74) Di-n-butylphthalate        | 18.47 | 149  | 875572   | 41.122 | ng    | 100      |
| 75) Fluoranthene               | 19.58 | 202  | 952692   | 44.210 | ng    | 99       |
| 77) Benzidine                  | 19.76 | 184  | 104050   | 8.858  | ng    | 99       |
| 78) Pyrene                     | 19.94 | 202  | 961135   | 43.092 | ng    | 100      |
| 80) Butylbenzylphthalate       | 20.81 | 149  | 405257   | 43.072 | ng    | 94       |
| 81) Benzo(a)anthracene         | 21.81 | 228  | 934713   | 44.151 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine     | 21.72 | 252  | 83105    | 10.587 | ng    | 99       |
| 83) Chrysene                   | 21.87 | 228  | 870684   | 43.203 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 21.67 | 149  | 548579   | 40.869 | ng    | 99       |
| 85) Di-n-octyl phthalate       | 22.94 | 149  | 941818   | 42.470 | ng    | 96       |
| 86) Indeno(1,2,3-cd)pyrene     | 29.09 | 276  | 835139   | 38.623 | ng    | # 97     |
| 88) Benzo(b)fluoranthene       | 24.12 | 252  | 863878   | 44.782 | ng    | 99       |
| 89) Benzo(k)fluoranthene       | 24.20 | 252  | 892928   | 46.104 | ng    | 99       |
| 90) Benzo(a)pyrene             | 25.05 | 252  | 858915   | 46.232 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene     | 29.16 | 278  | 646812   | 37.176 | ng    | 99       |
| 92) Benzo(g,h,i)perylene       | 30.32 | 276  | 672645   | 38.787 | ng    | 98       |

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



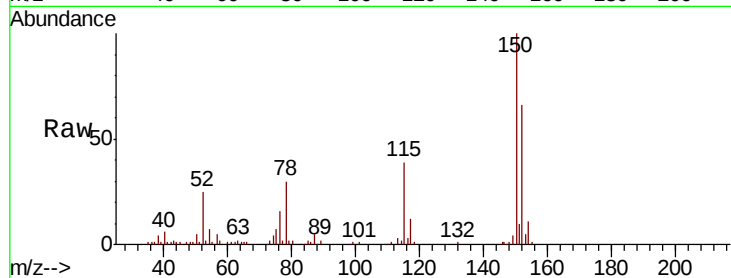


#1

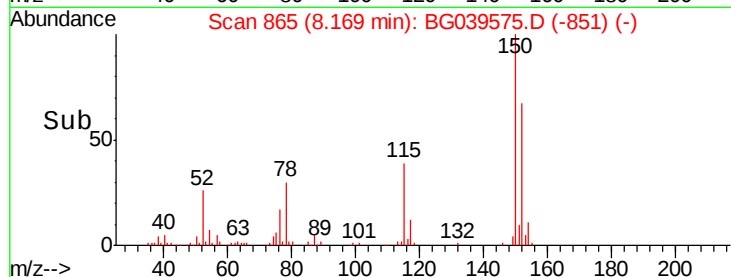
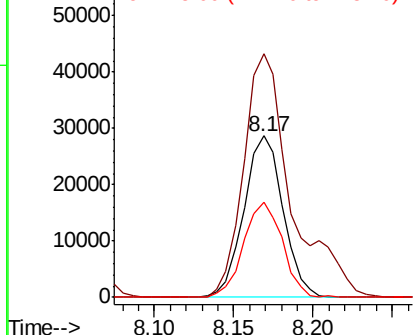
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.17 min Scan# 865  
Delta R.T. -0.02 min  
Lab File: BG039575.D  
Acq: 21 Feb 2019 17:31

Instrument :  
BNA\_G  
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OR-02-021919-AMS

Tot Ion:152 Resp: 48910  
Ion Ratio Lower Upper  
152 100  
150 150.8 123.7 185.5  
115 59.0 45.9 68.9



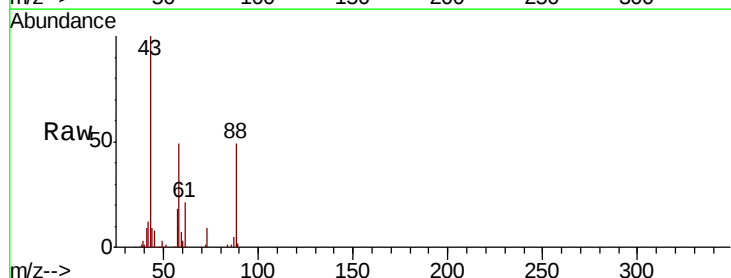
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



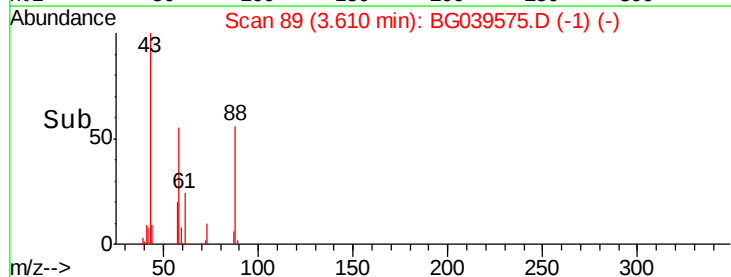
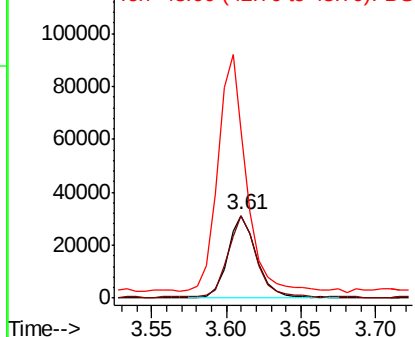
#2

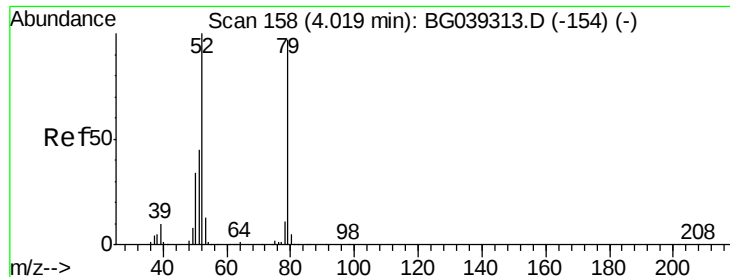
1,4-Dioxane  
Concen: 33.964 ng  
RT: 3.61 min Scan# 89  
Delta R.T. -0.01 min  
Lab File: BG039575.D  
Acq: 21 Feb 2019 17:31

Tgt Ion: 88 Resp: 42456  
Ion Ratio Lower Upper  
88 100  
58 97.8 81.1 121.7  
43 276.2 31.4 47.0#



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





#3

Pvridine

Concen: 34.916 ng

RT: 4.02 min Scan# 158

Delta R.T. -0.00 min

Lab File: BG039575.D

Acq: 21 Feb 2019 17:31

Instrument :

BNA\_G

ClientSampleId :

OR-02-021919-AMS

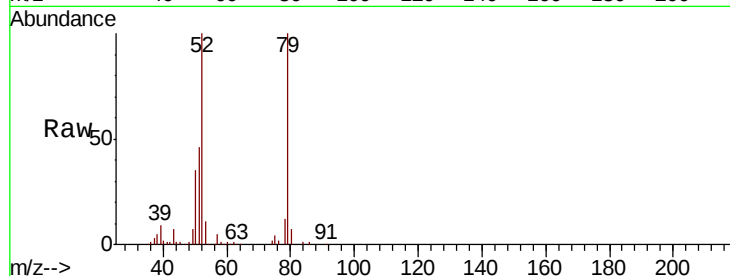
Tot Ion: 79 Resp: 115557

Ion Ratio Lower Upper

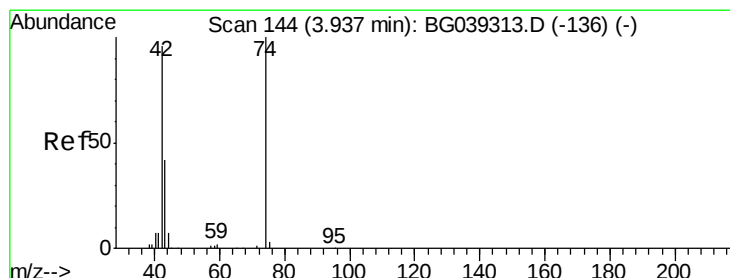
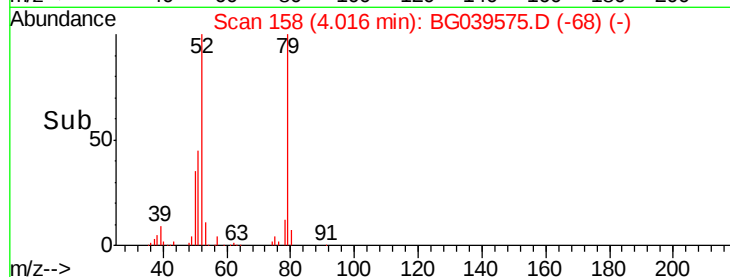
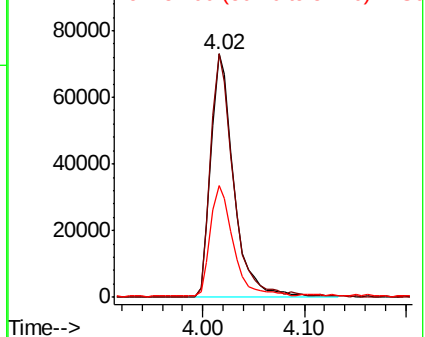
79 100

52 99.9 82.6 124.0

51 46.1 37.5 56.3



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: 39.582 ng

RT: 3.93 min Scan# 143

Delta R.T. -0.01 min

Lab File: BG039575.D

Acq: 21 Feb 2019 17:31

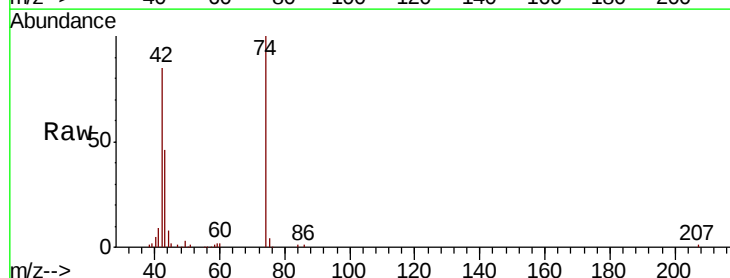
Tgt Ion: 42 Resp: 65515

Ion Ratio Lower Upper

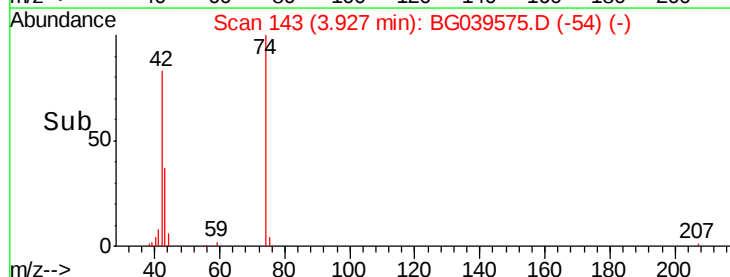
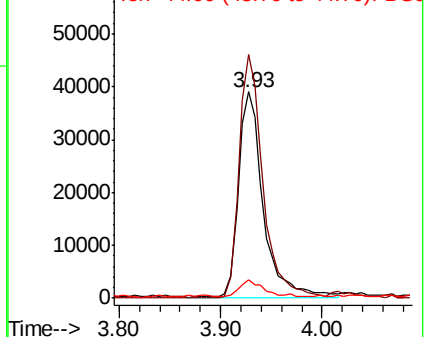
42 100

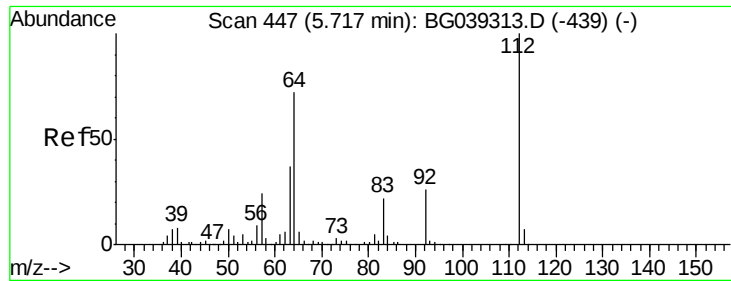
74 118.1 83.6 125.4

44 9.1 6.9 10.3



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: 131.140 ng

RT: 5.72 min Scan# 448

Delta R.T. 0.00 min

Lab File: BG039575.D

Acq: 21 Feb 2019 17:31

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ClientSampleId :

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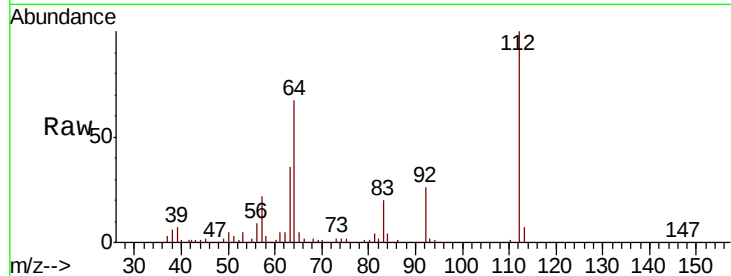
Tot Ion:112 Resp: 374761

Ion Ratio Lower Upper

112 100

64 66.7 57.8 86.8

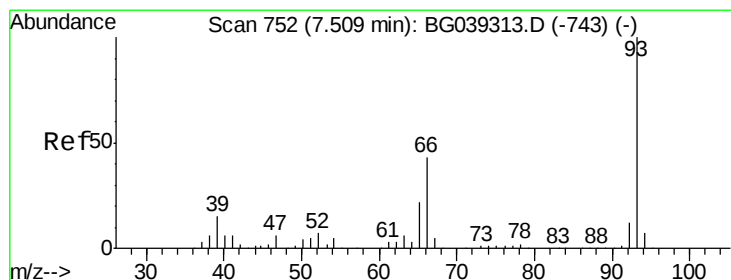
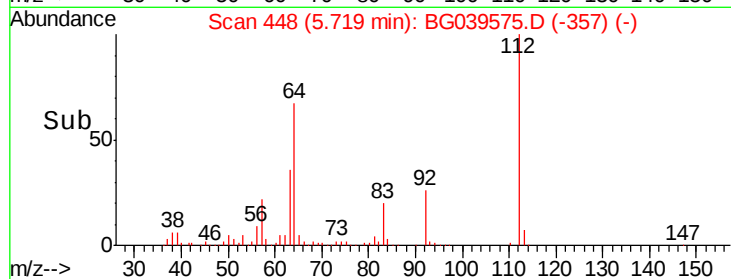
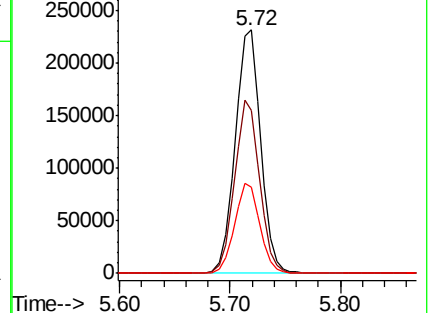
63 35.5 29.8 44.6



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 9.867 ng

RT: 7.49 min Scan# 750

Delta R.T. -0.02 min

Lab File: BG039575.D

Acq: 21 Feb 2019 17:31

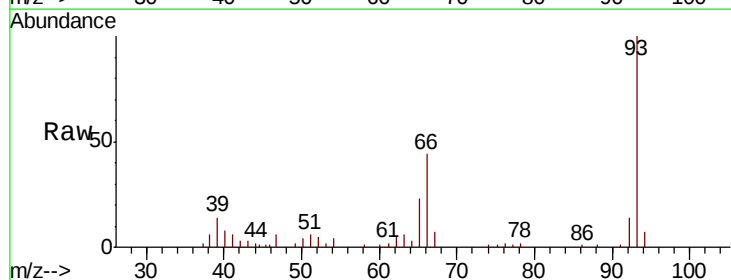
Tgt Ion: 93 Resp: 51990

Ion Ratio Lower Upper

93 100

66 43.9 34.2 51.4

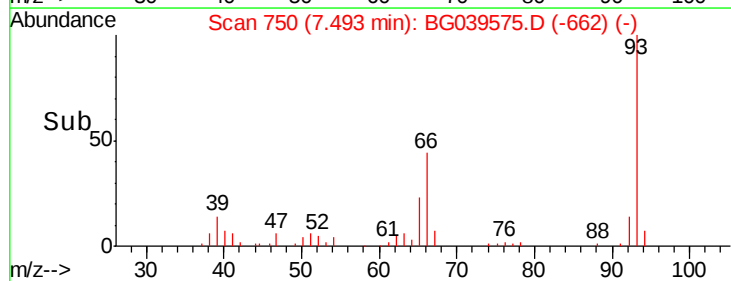
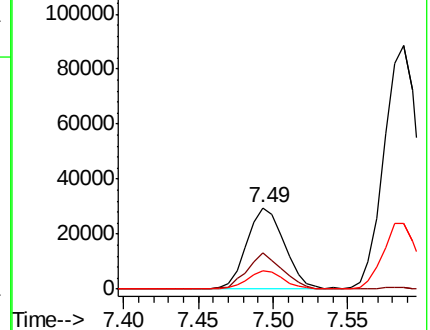
65 23.1 17.7 26.5

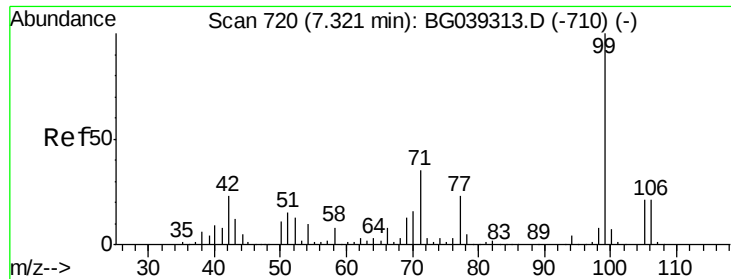


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 115.308 ng

RT: 7.32 min Scan# 720

Delta R.T. -0.00 min

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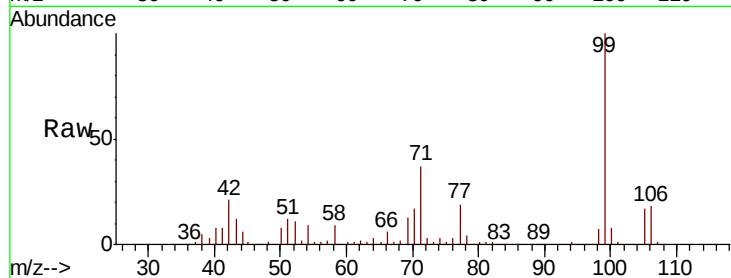
Tot Ion: 99 Resp: 485039

Ion Ratio Lower Upper

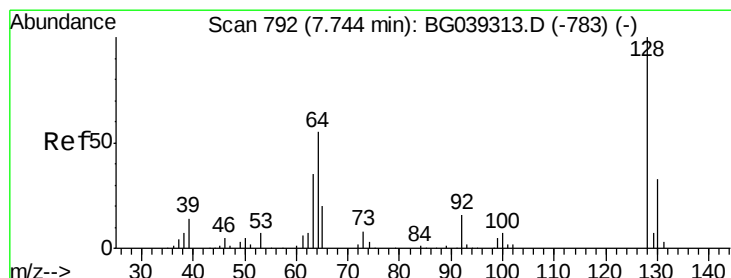
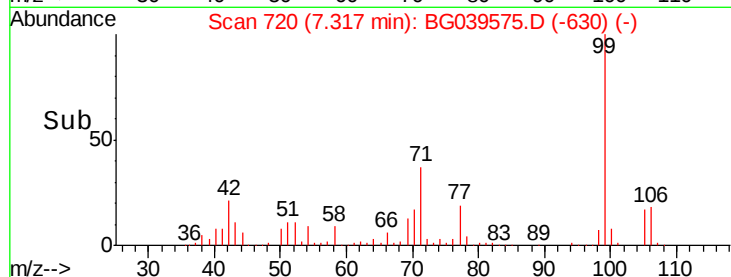
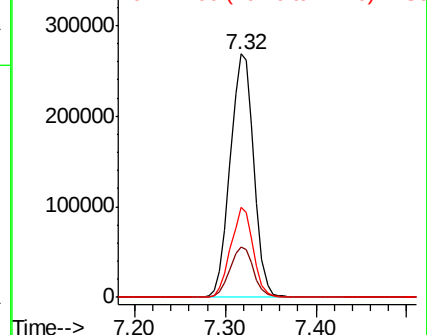
99 100

42 20.8 18.2 27.2

71 37.1 28.0 42.0



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



#8

2-Chlorophenol

Concen: 46.130 ng

RT: 7.73 min Scan# 791

Delta R.T. -0.01 min

Lab File: BG039575.D

Acq: 21 Feb 2019 17:31

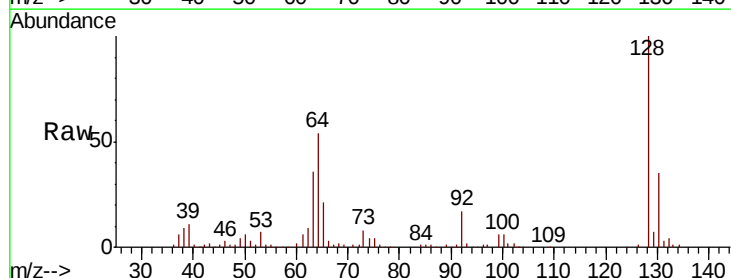
Tgt Ion: 128 Resp: 144097

Ion Ratio Lower Upper

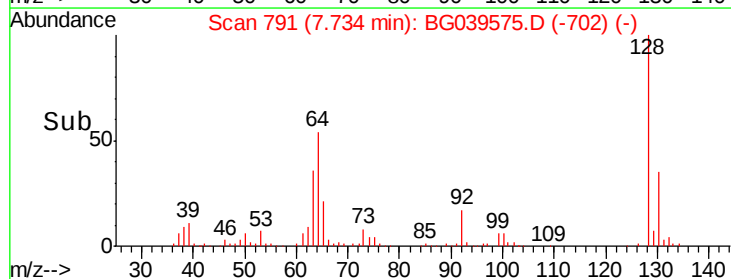
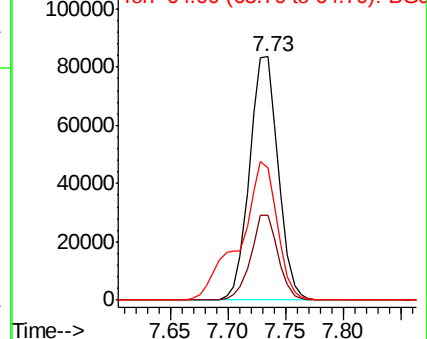
128 100

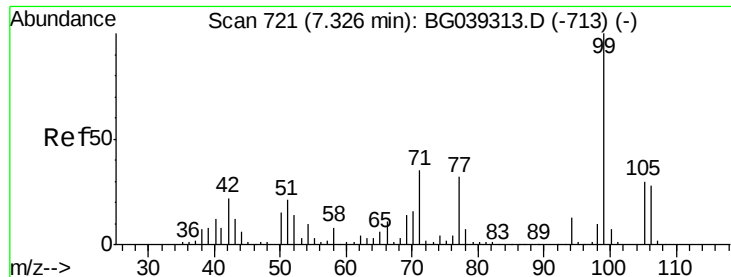
130 34.6 12.9 52.9

64 54.4 38.7 78.7



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





#9

Benzaldehyde

Concen: 60.536 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039575.D

Acq: 21 Feb 2019 17:31

Instrument :

BNA\_G

ClientSampleId :

OR-02-021919-AMS

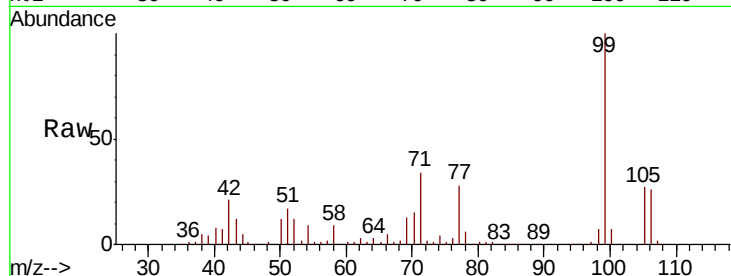
Tot Ion: 77 Resp: 109859

Ion Ratio Lower Upper

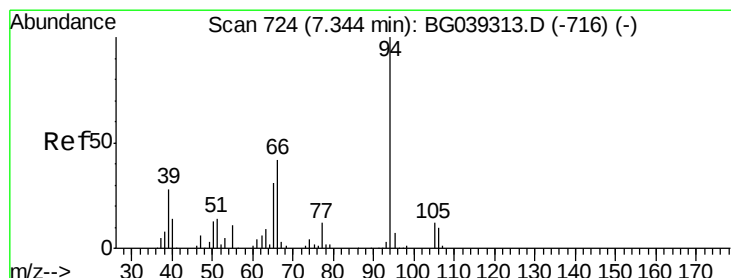
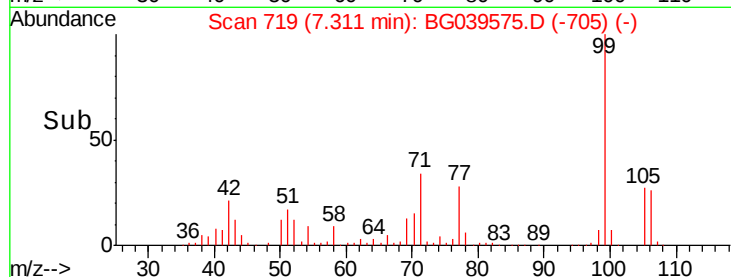
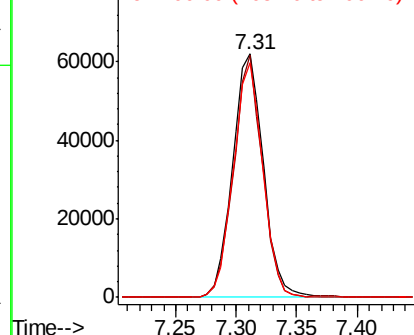
77 100

105 99.6 74.5 114.5

106 96.1 68.0 108.0



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: 36.878 ng

RT: 7.35 min Scan# 725

Delta R.T. 0.00 min

Lab File: BG039575.D

Acq: 21 Feb 2019 17:31

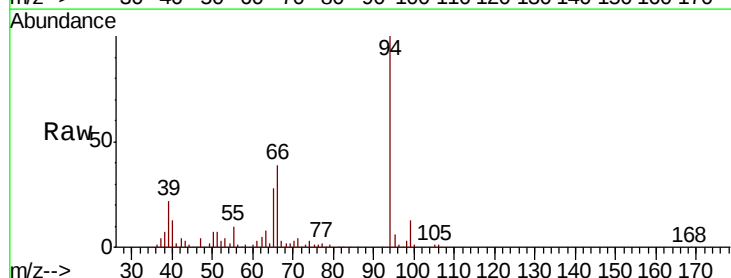
Tgt Ion: 94 Resp: 161707

Ion Ratio Lower Upper

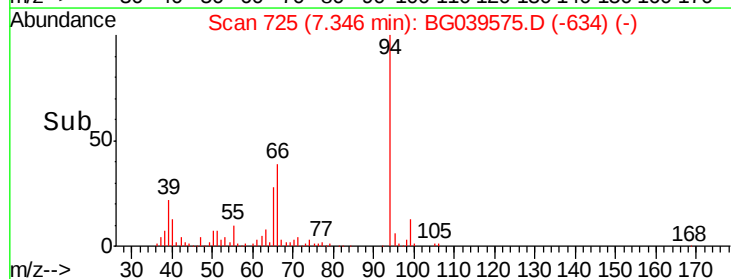
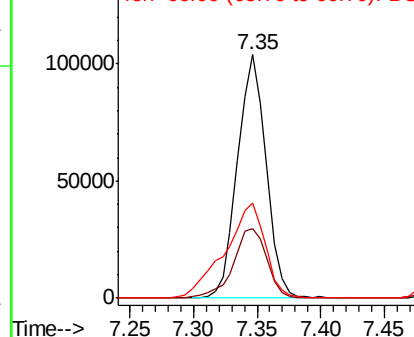
94 100

65 28.5 11.7 51.7

66 38.9 23.7 63.7



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: 41.285 ng

RT: 7.59 min Scan# 766

Delta R.T. -0.02 min

Lab File: BG039575.D

Acq: 21 Feb 2019 17:31

Instrument :

BNA\_G

ClientSampleId :

OR-02-021919-AMS

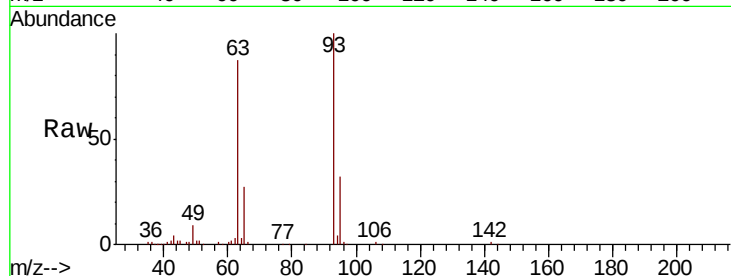
Tot Ion: 93 Resp: 143048

Ion Ratio Lower Upper

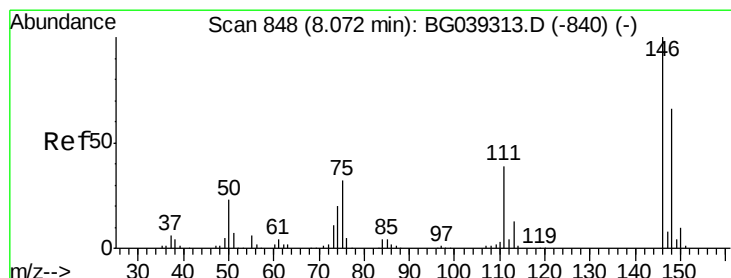
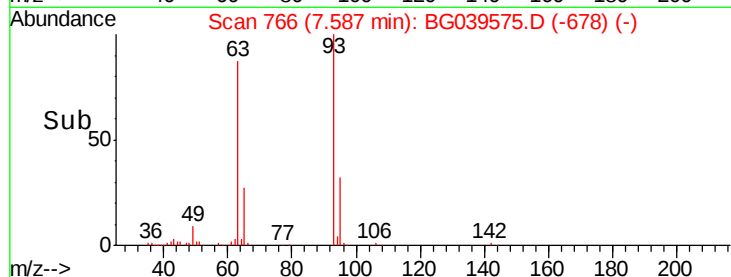
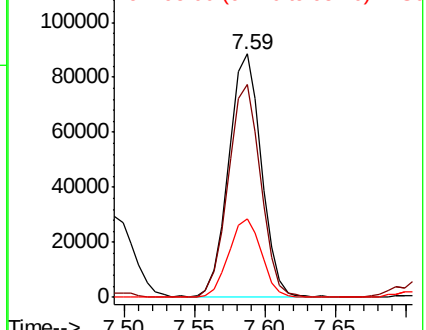
93 100

63 87.4 69.5 109.5

95 32.4 12.7 52.7



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



#12

1,3-Dichlorobenzene

Concen: 39.943 ng

RT: 8.06 min Scan# 846

Delta R.T. -0.02 min

Lab File: BG039575.D

Acq: 21 Feb 2019 17:31

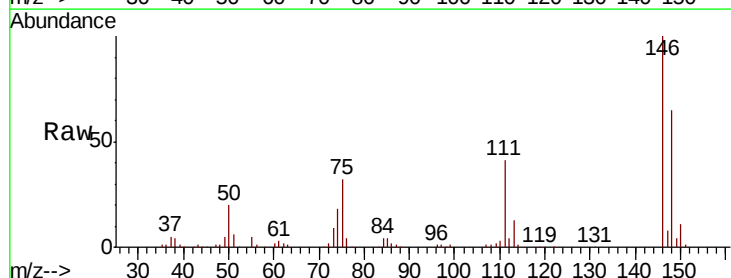
Tgt Ion: 146 Resp: 151152

Ion Ratio Lower Upper

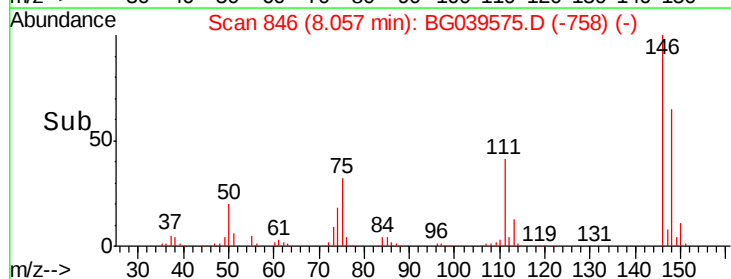
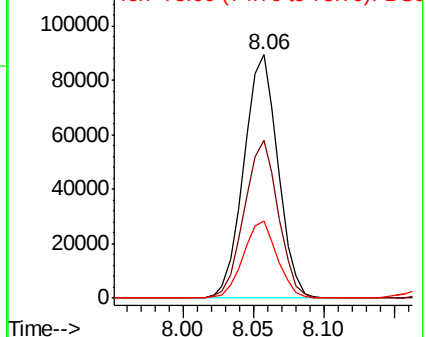
146 100

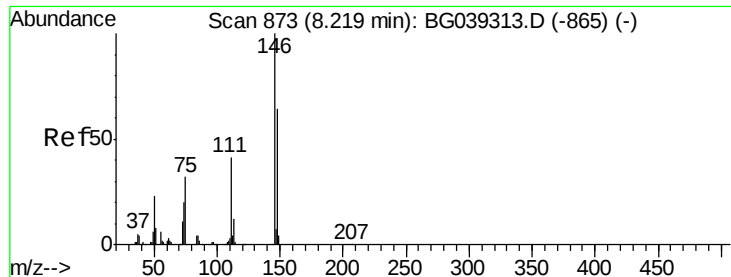
148 64.9 52.6 79.0

75 31.6 25.8 38.6



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





#13

1,4-Dichlorobenzene

Concen: 41.226 ng

RT: 8.20 min Scan# 871

Delta R.T. -0.02 min

Lab File: BG039575.D

Acq: 21 Feb 2019 17:31

Instrument :

BNA\_G

ClientSampleId :

OR-02-021919-AMS

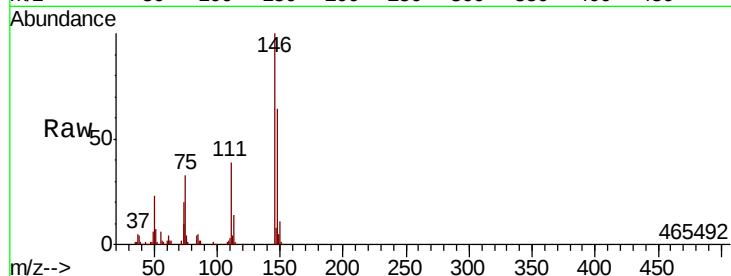
Tot Ion:146 Resp: 155495

Ion Ratio Lower Upper

146 100

148 64.4 51.1 76.7

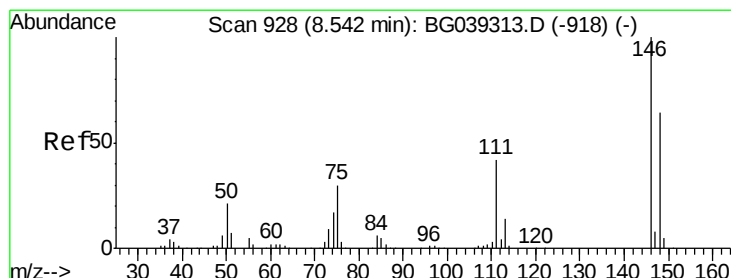
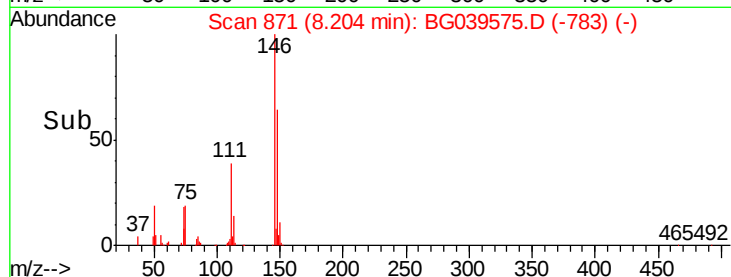
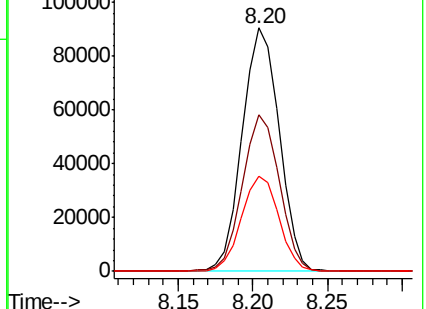
111 39.2 32.6 48.8



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 40.823 ng

RT: 8.52 min Scan# 925

Delta R.T. -0.02 min

Lab File: BG039575.D

Acq: 21 Feb 2019 17:31

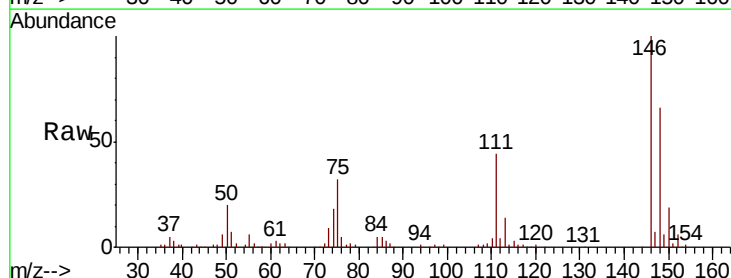
Tgt Ion:146 Resp: 149058

Ion Ratio Lower Upper

146 100

148 65.6 51.5 77.3

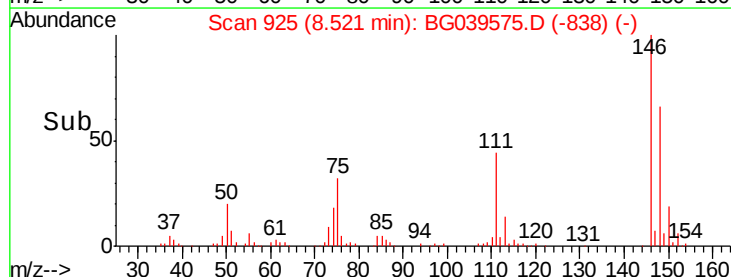
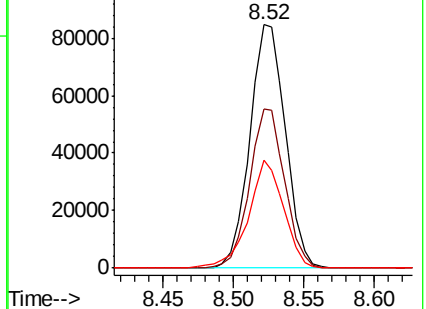
111 44.3 33.8 50.6

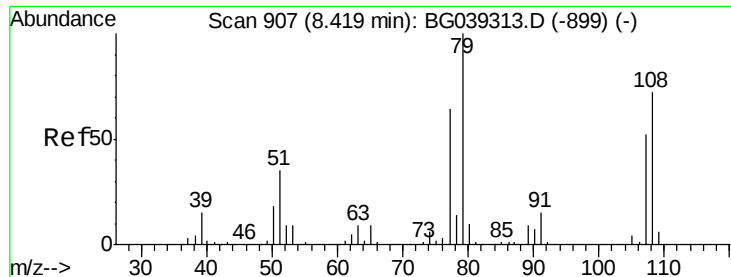


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 42.869 ng

RT: 8.41 min Scan# 906

Delta R.T. -0.01 min

Lab File: BG039575.D

Acq: 21 Feb 2019 17:31

Instrument :

BNA\_G

ClientSampleId :

OR-02-021919-AMS

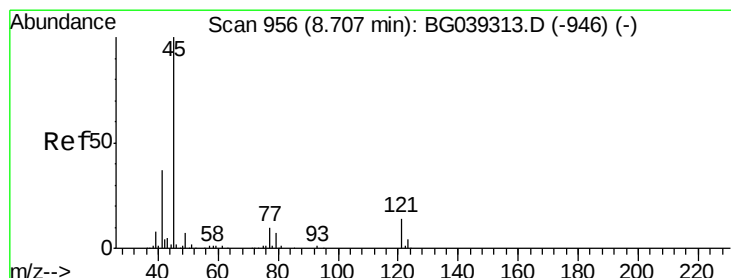
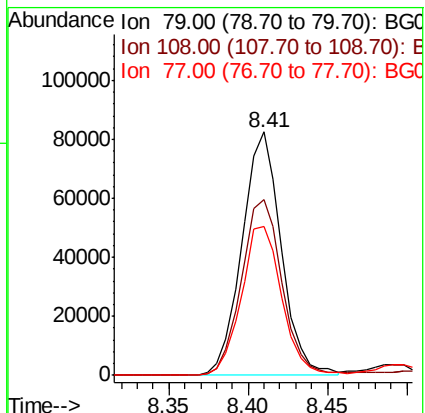
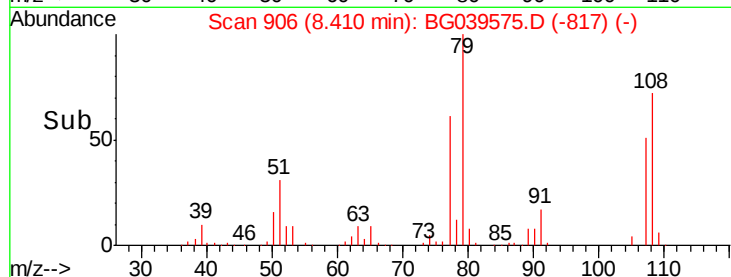
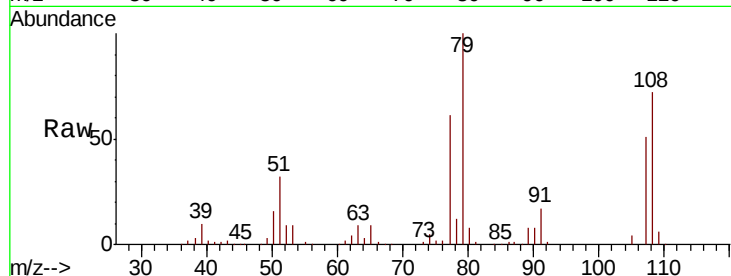
Tot Ion: 79 Resp: 141571

Ion Ratio Lower Upper

79 100

108 72.3 57.8 86.6

77 61.2 51.1 76.7



#16

2,2'-oxybis(1-Chloropropane)

Concen: 35.056 ng

RT: 8.68 min Scan# 952

Delta R.T. -0.03 min

Lab File: BG039575.D

Acq: 21 Feb 2019 17:31

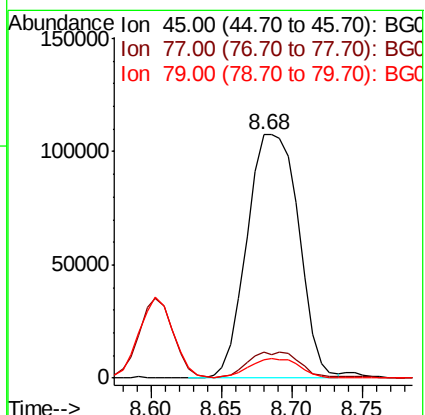
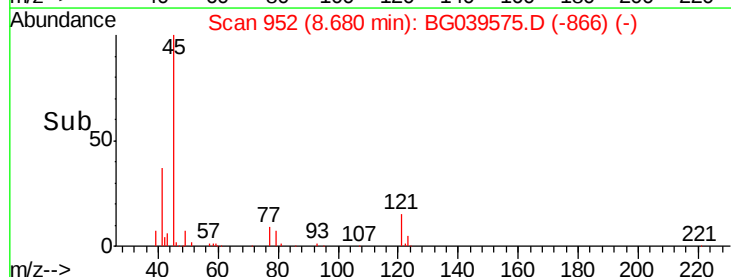
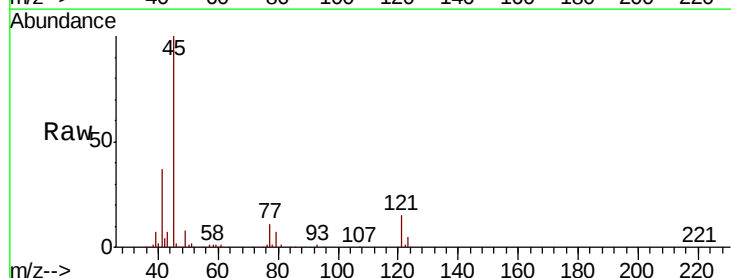
Tgt Ion: 45 Resp: 274299

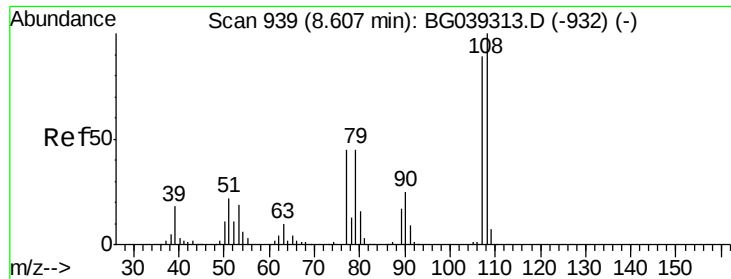
Ion Ratio Lower Upper

45 100

77 10.6 0.0 30.0

79 7.3 0.0 27.5

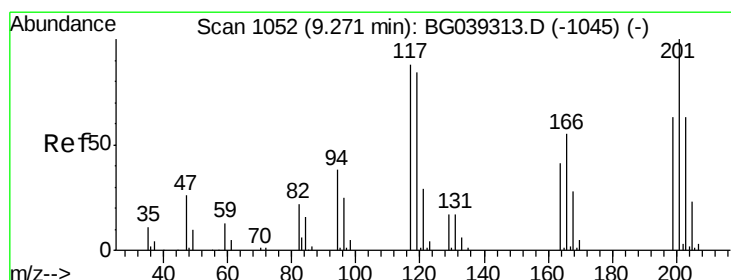
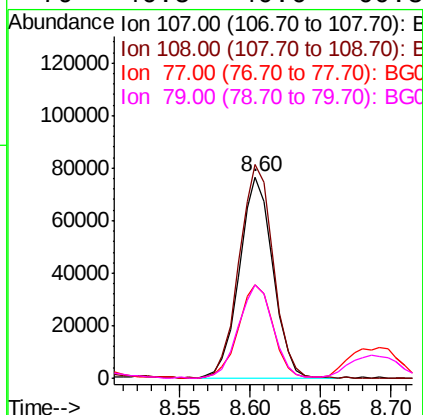
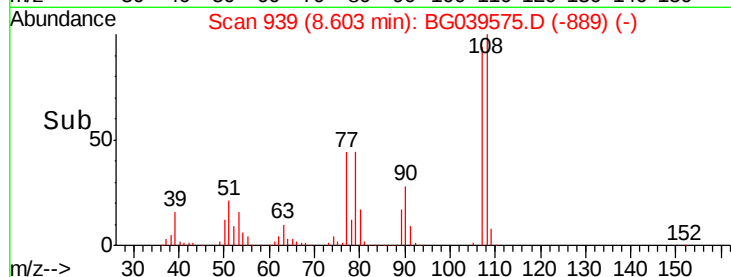
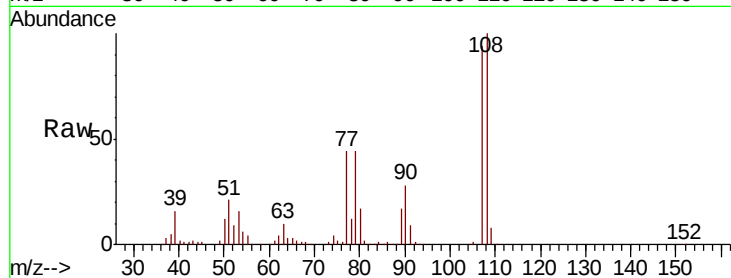




#17  
2-Methylphenol  
Concen: 44.789 ng  
RT: 8.60 min Scan# 939  
Delta R.T. -0.00 min  
Lab File: BG039575.D  
Acq: 21 Feb 2019 17:31

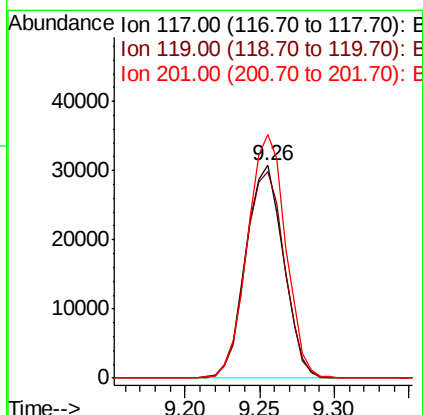
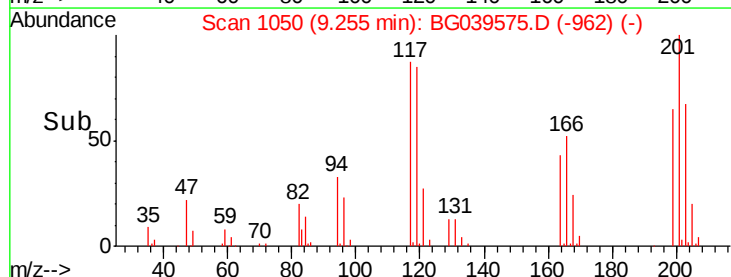
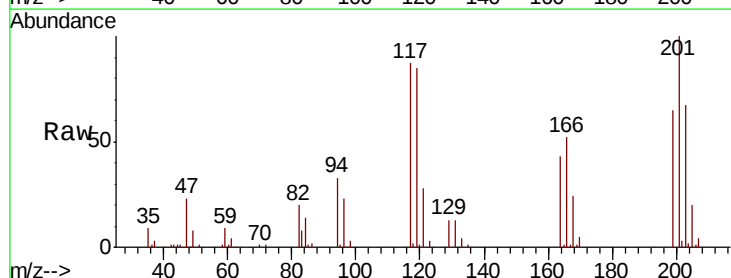
Instrument :  
BNA\_G  
ClientSampleId :  
OR-02-021919-AMS

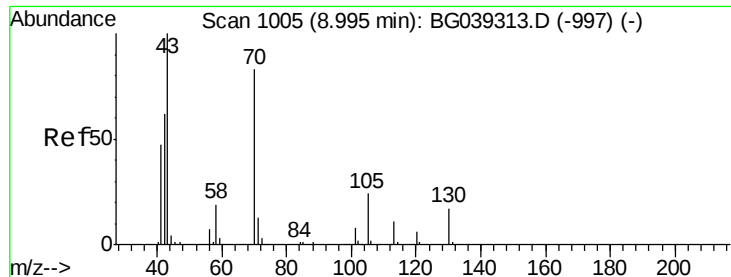
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 107   | Resp: | 127094 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 106.3 | 90.8  | 136.2  |
| 77       | 46.2  | 40.7  | 61.1   |
| 79       | 46.5  | 40.6  | 60.8   |



#18  
Hexachloroethane  
Concen: 41.659 ng  
RT: 9.26 min Scan# 1050  
Delta R.T. -0.02 min  
Lab File: BG039575.D  
Acq: 21 Feb 2019 17:31

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 54058 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 96.8  | 76.3  | 114.5 |
| 201      | 114.5 | 91.1  | 136.7 |

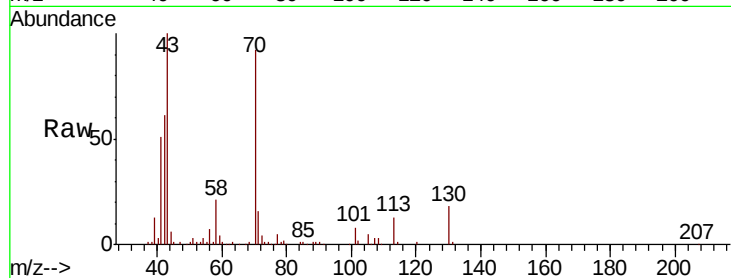




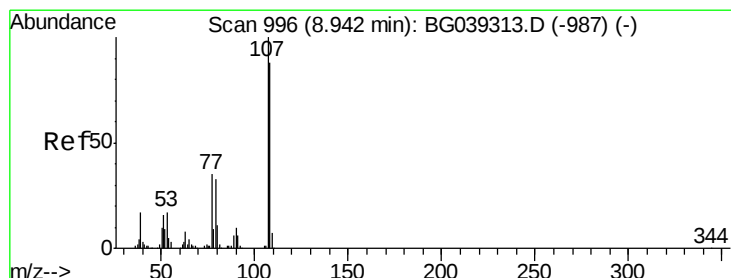
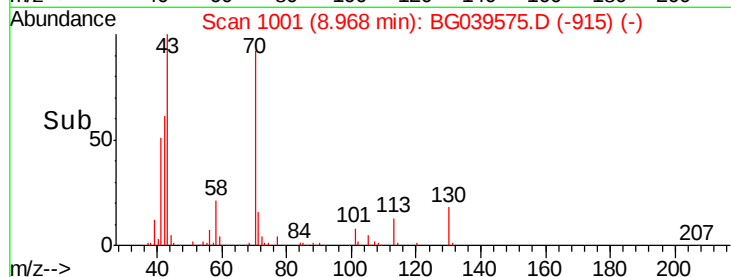
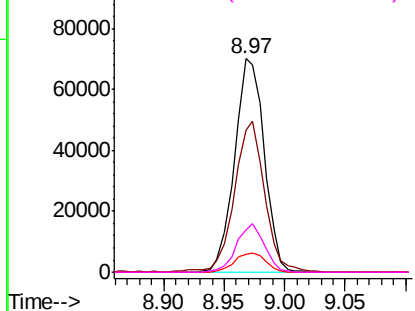
#19  
n-Nitroso-di-n-propylamine  
Concen: 40.260 ng  
RT: 8.97 min Scan# 1001  
Delta R.T. -0.03 min  
Lab File: BG039575.D  
Acq: 21 Feb 2019 17:31

Instrument :  
BNA\_G  
ClientSampleId :  
OR-02-021919-AMS

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 70    | Resp: | 120199 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 66.8  | 60.4  | 90.6   |
| 101      | 8.6   | 7.5   | 11.3   |
| 130      | 19.9  | 16.9  | 25.3   |

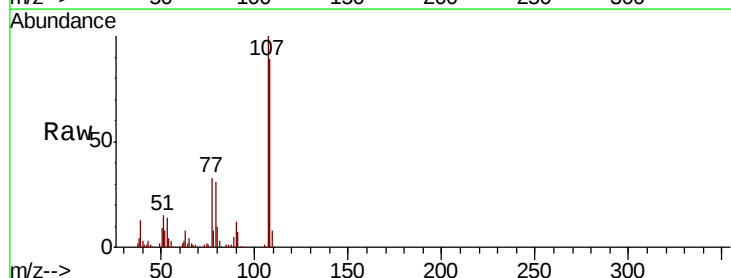


Abundance Ion 70.00 (69.70 to 70.70): BGC  
Ion 42.00 (41.70 to 42.70): BGC  
Ion 101.00 (100.70 to 101.70): BGC  
Ion 130.00 (129.70 to 130.70): BGC

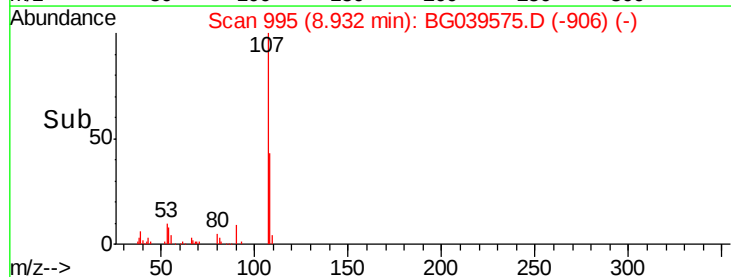
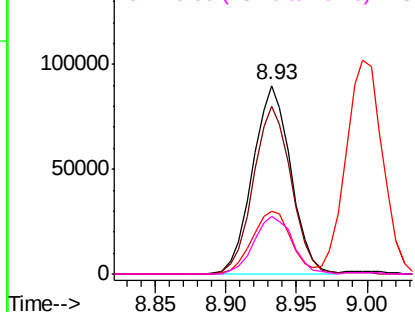


#20  
3+4-Methylphenols  
Concen: 43.557 ng  
RT: 8.93 min Scan# 995  
Delta R.T. -0.01 min  
Lab File: BG039575.D  
Acq: 21 Feb 2019 17:31

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 170201 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 89.2  | 67.9  | 107.9  |
| 77       | 33.0  | 15.4  | 55.4   |
| 79       | 30.6  | 13.7  | 53.7   |



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

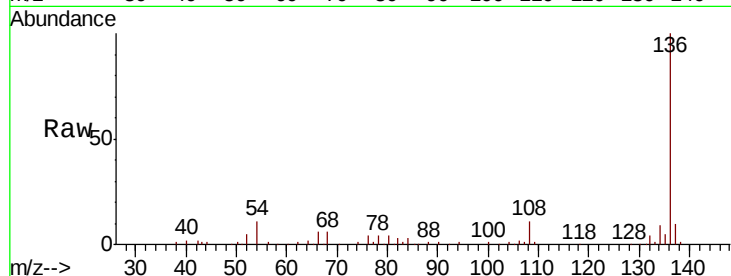




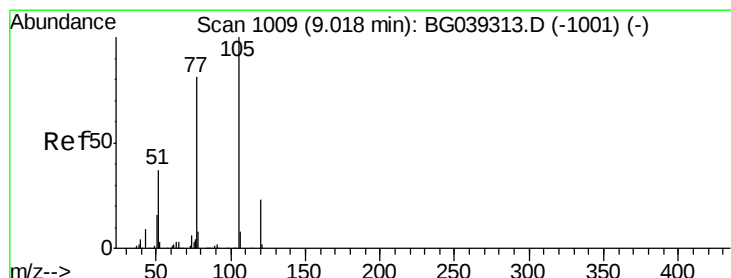
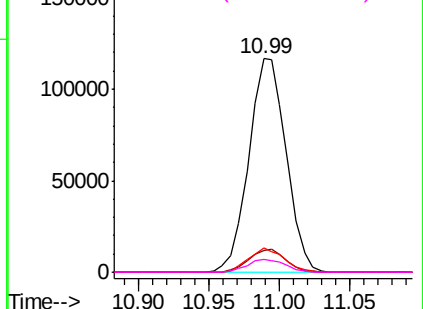
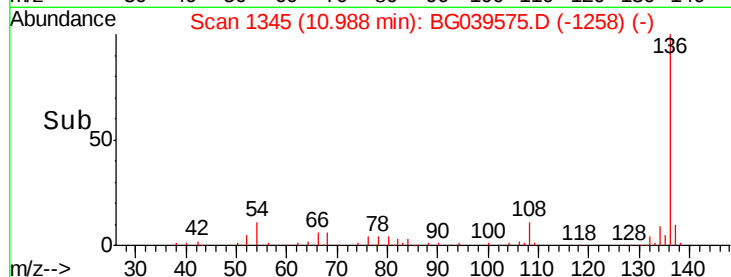
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.99 min Scan# 1345  
Delta R.T. -0.02 min  
Lab File: BG039575.D  
Acq: 21 Feb 2019 17:31

Instrument :  
BNA\_G  
ClientSampleId :  
OR-02-021919-AMS

|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 215891   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 10.5  | 9.1 13.7 |
| 54          | 11.4  | 9.4 14.2 |
| 68          | 6.0   | 4.2 6.4  |

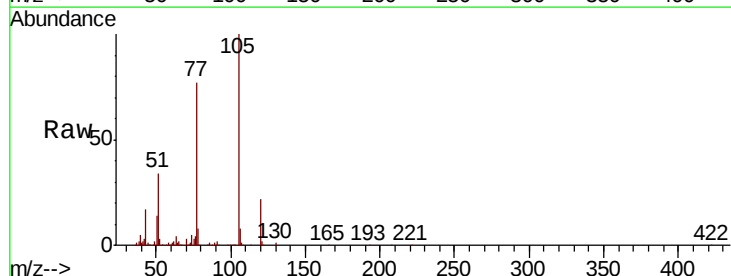


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

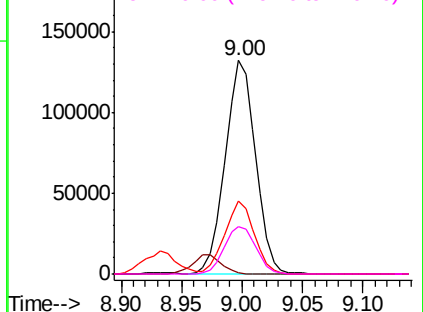
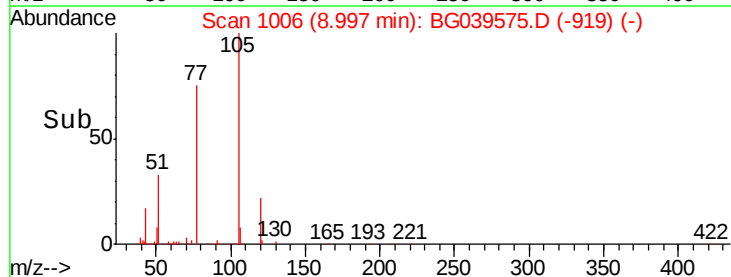


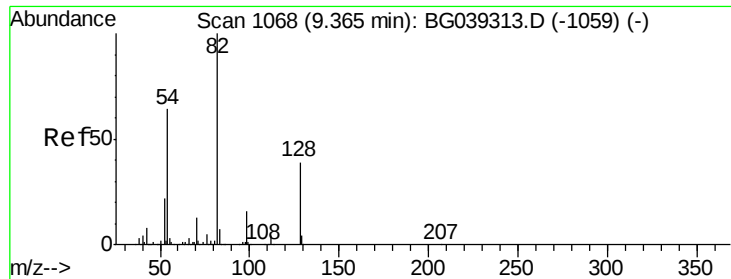
#22  
Acetophenone  
Concen: 39.676 ng  
RT: 9.00 min Scan# 1006  
Delta R.T. -0.02 min  
Lab File: BG039575.D  
Acq: 21 Feb 2019 17:31

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:105 | Resp: | 230088    |
| Ion Ratio   | Lower | Upper     |
| 105         | 100   |           |
| 71          | 0.4   | 0.8 1.2#  |
| 51          | 34.0  | 30.2 45.2 |
| 120         | 21.9  | 18.0 27.0 |



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

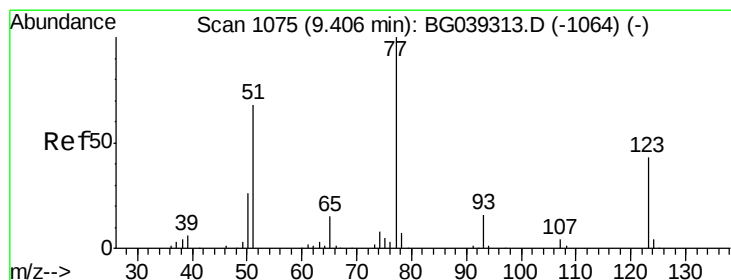
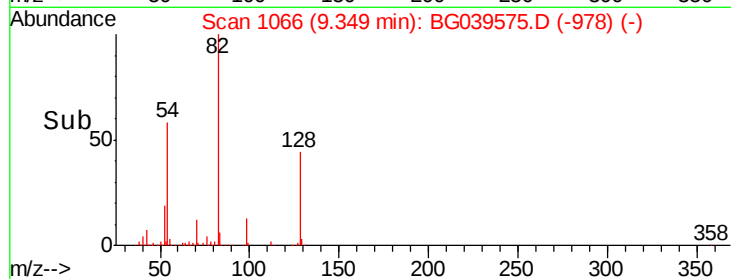
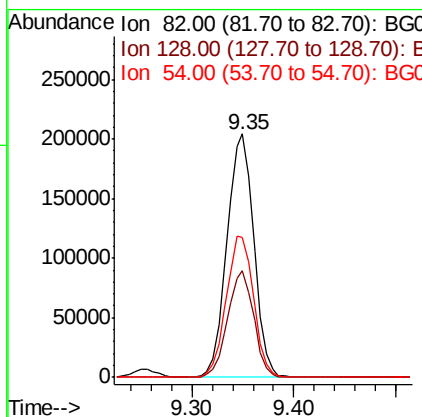
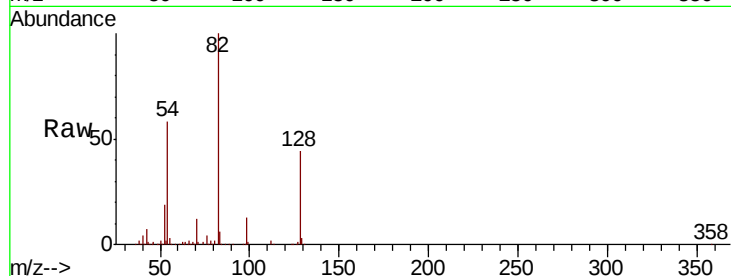




#23  
Nitrobenzene-d5  
Concen: 108.188 ng  
RT: 9.35 min Scan# 1066  
Delta R.T. -0.01 min  
Lab File: BG039575.D  
Acq: 21 Feb 2019 17:31

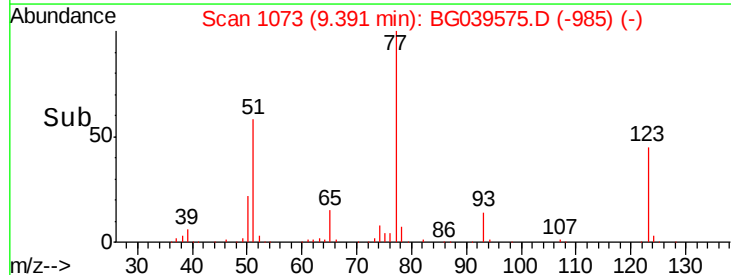
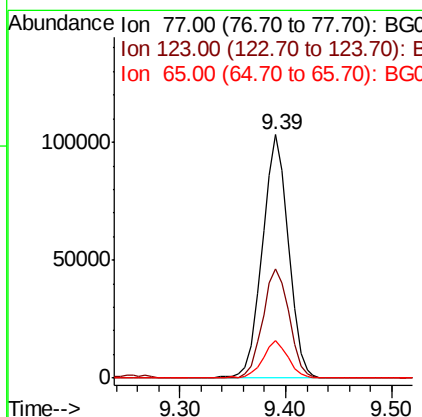
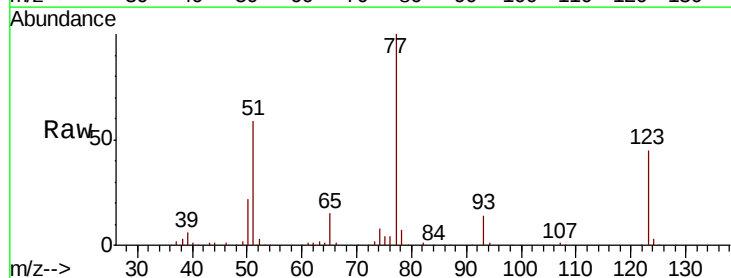
Instrument :  
BNA\_G  
ClientSampleId :  
OR-02-021919-AMS

| Tot Ion   | 82    | Resp  | 373880 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 43.7  | 31.3  | 46.9   |
| 54        | 57.7  | 50.9  | 76.3   |



#24  
Nitrobenzene  
Concen: 47.471 ng  
RT: 9.39 min Scan# 1073  
Delta R.T. -0.01 min  
Lab File: BG039575.D  
Acq: 21 Feb 2019 17:31

| Tgt Ion   | 77    | Resp  | 177228 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 77        | 100   |       |        |
| 123       | 44.8  | 34.1  | 51.1   |
| 65        | 15.4  | 12.3  | 18.5   |





#25

Isophorone

Concen: 43.946 ng

RT: 9.90 min Scan# 1160

Delta R.T. -0.02 min

Lab File: BG039575.D

Acq: 21 Feb 2019 17:31

Instrument :

BNA\_G

ClientSampleId :

OR-02-021919-AMS

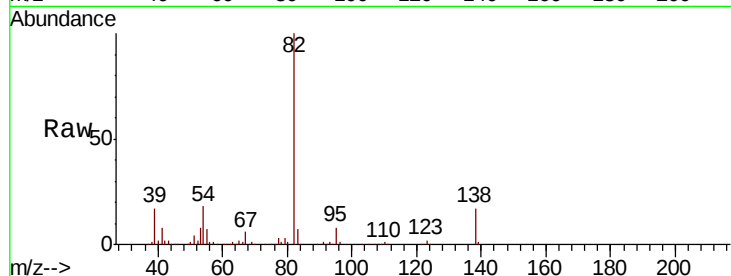
Tot Ion: 82 Resp: 336543

Ion Ratio Lower Upper

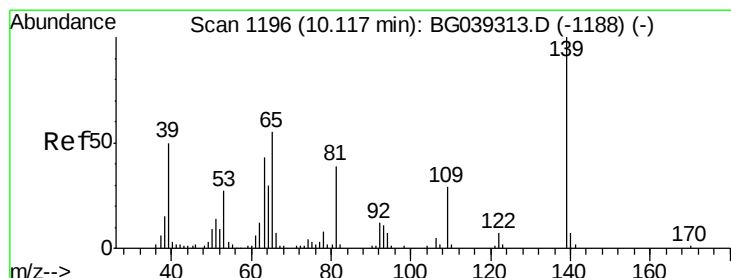
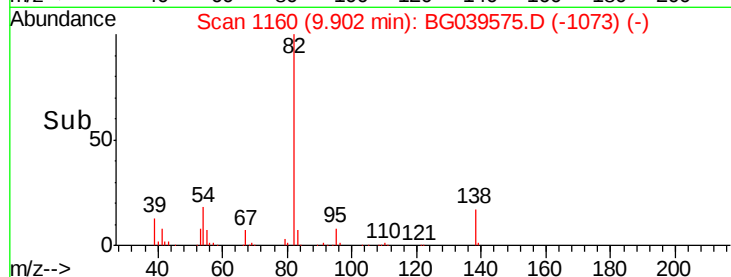
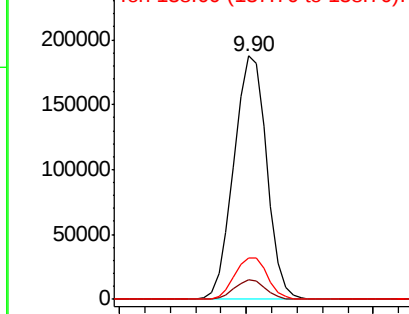
82 100

95 8.2 6.2 9.2

138 17.1 13.0 19.4



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



#26

2-Nitrophenol

Concen: 55.122 ng

RT: 10.10 min Scan# 1194

Delta R.T. -0.01 min

Lab File: BG039575.D

Acq: 21 Feb 2019 17:31

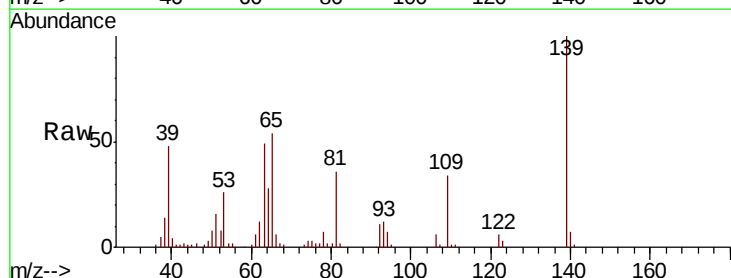
Tgt Ion: 139 Resp: 84516

Ion Ratio Lower Upper

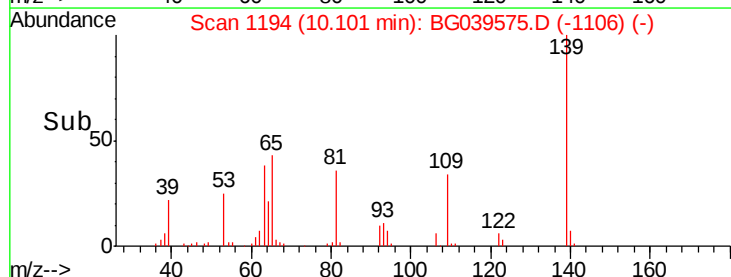
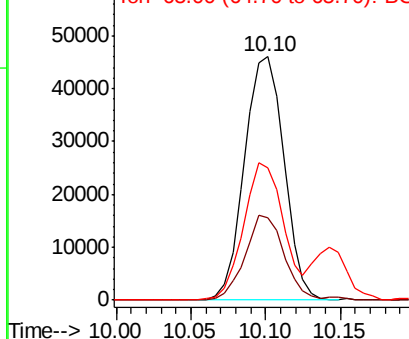
139 100

109 33.7 23.4 35.0

65 54.1 44.3 66.5



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

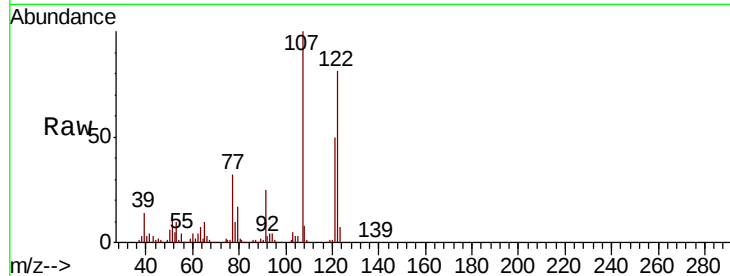




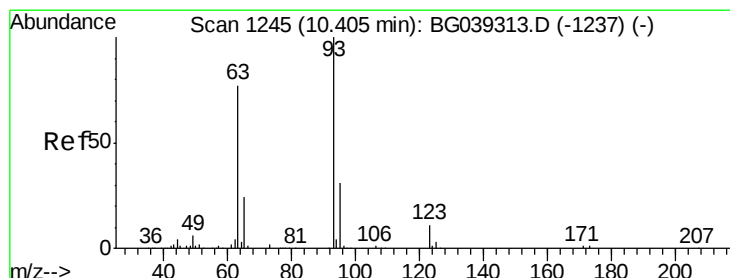
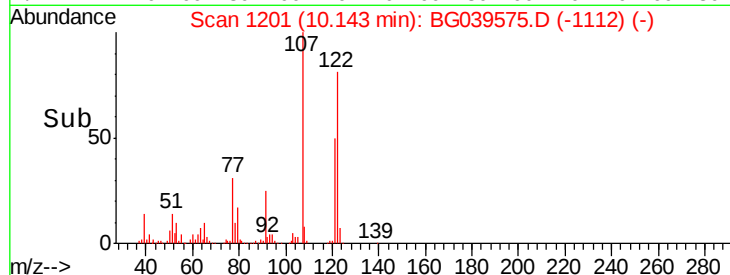
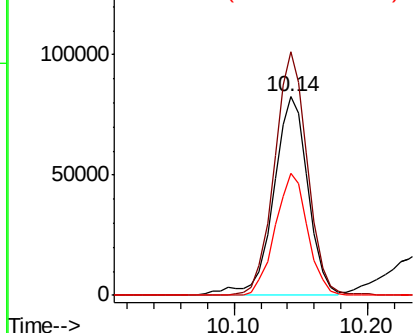
#27  
2,4-Dimethylphenol  
Concen: 47.965 ng  
RT: 10.14 min Scan# 1201  
Delta R.T. -0.01 min  
Lab File: BG039575.D  
Acq: 21 Feb 2019 17:31

Instrument :  
BNA\_G  
ClientSampleId :  
OR-02-021919-AMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 122.8 | 91.7  | 137.5 |
| 121     | 61.5  | 46.4  | 69.6  |

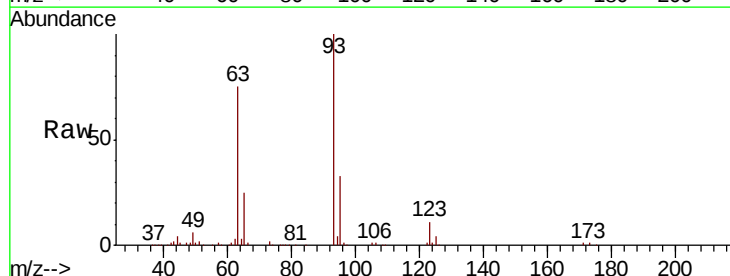


Abundance Ion 122.00 (121.70 to 122.70): E  
Ion 107.00 (106.70 to 107.70): E  
Ion 121.00 (120.70 to 121.70): E

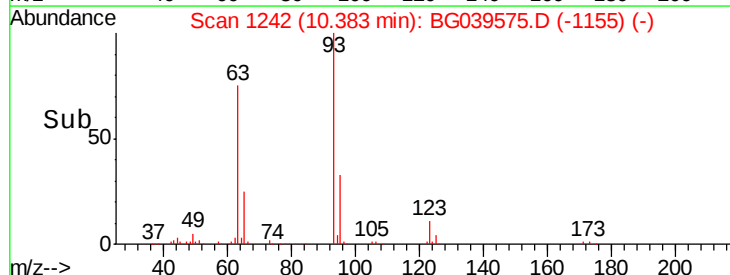
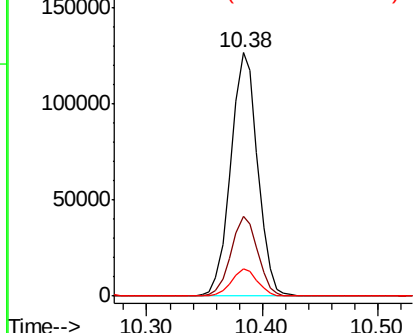


#28  
bis(2-Chloroethoxy)methane  
Concen: 43.177 ng  
RT: 10.38 min Scan# 1242  
Delta R.T. -0.02 min  
Lab File: BG039575.D  
Acq: 21 Feb 2019 17:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 33.0  | 25.0  | 37.4  |
| 123     | 11.1  | 8.6   | 12.8  |



Abundance Ion 93.00 (92.70 to 93.70): BGC  
Ion 95.00 (94.70 to 95.70): BGC  
Ion 123.00 (122.70 to 123.70): E

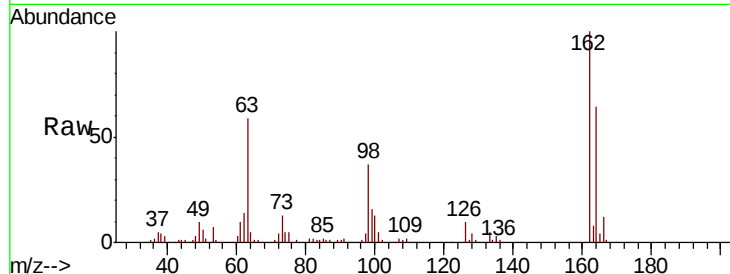




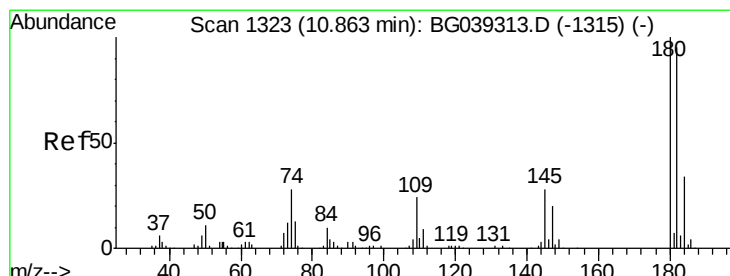
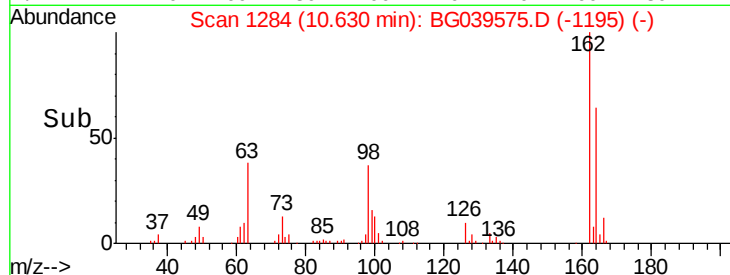
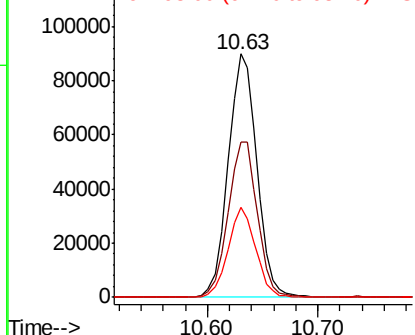
#29  
 2,4-Dichlorophenol  
 Concen: 48.452 ng  
 RT: 10.63 min Scan# 1284  
 Delta R.T. -0.01 min  
 Lab File: BG039575.D  
 Acq: 21 Feb 2019 17:31

Instrument :  
 BNA\_G  
 ClientSampleId :  
 OR-02-021919-AMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 63.9  | 48.1  | 88.1  |
| 98      | 36.9  | 18.1  | 58.1  |

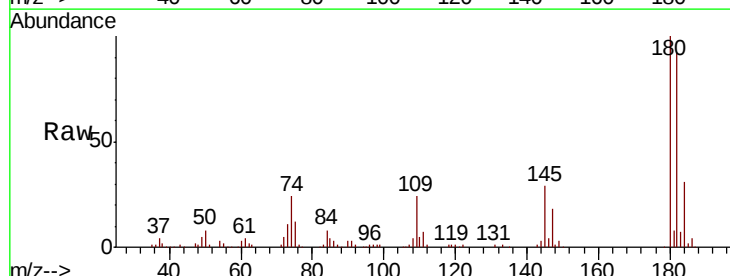


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 164.00 (163.70 to 164.70): E  
 Ion 98.00 (97.70 to 98.70): BGC

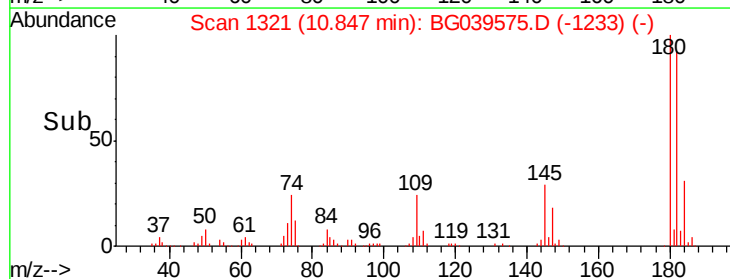
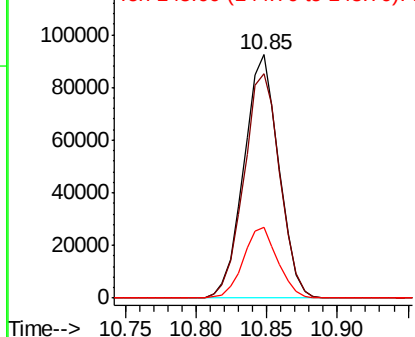


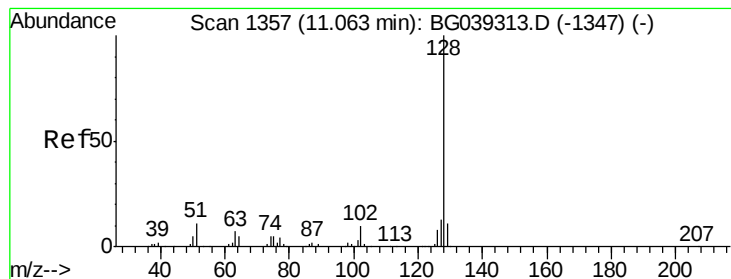
#30  
 1,2,4-Trichlorobenzene  
 Concen: 42.104 ng  
 RT: 10.85 min Scan# 1321  
 Delta R.T. -0.02 min  
 Lab File: BG039575.D  
 Acq: 21 Feb 2019 17:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 92.3  | 76.0  | 114.0 |
| 145     | 29.0  | 22.7  | 34.1  |



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





#31

Naphthalene

Concen: 44.528 ng

RT: 11.04 min Scan# 1354

Delta R.T. -0.02 min

Lab File: BG039575.D

Acq: 21 Feb 2019 17:31

Instrument :

BNA\_G

ClientSampleId :

OR-02-021919-AMS

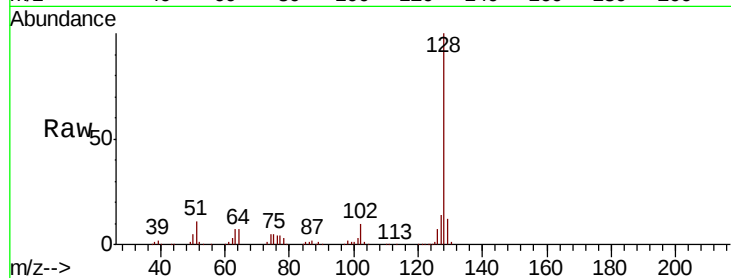
Tot Ion:128 Resp: 476900

Ion Ratio Lower Upper

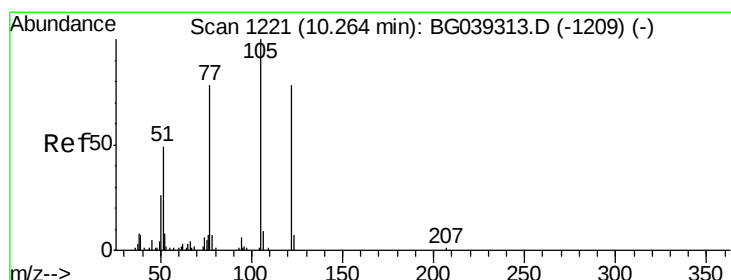
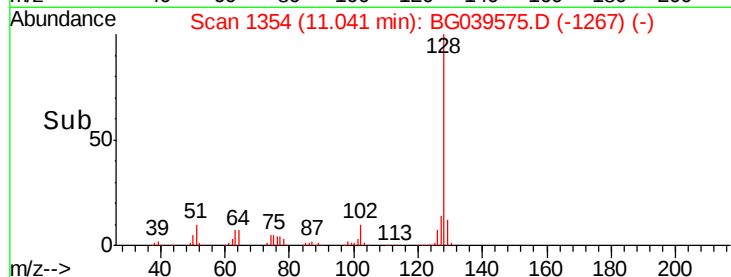
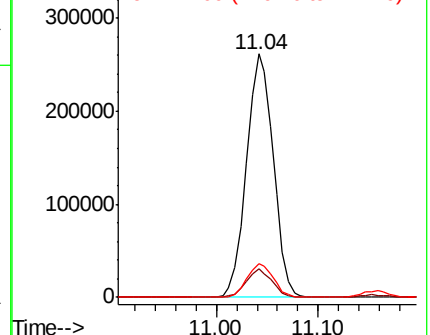
128 100

129 11.9 8.7 13.1

127 14.0 10.8 16.2



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



#32

Benzoic acid

Concen: 36.181 ng

RT: 10.25 min Scan# 1220

Delta R.T. -0.01 min

Lab File: BG039575.D

Acq: 21 Feb 2019 17:31

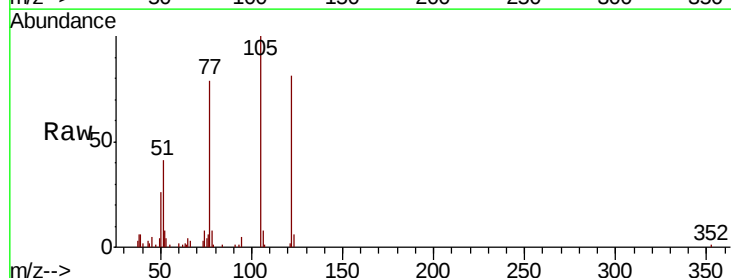
Tgt Ion:122 Resp: 67848

Ion Ratio Lower Upper

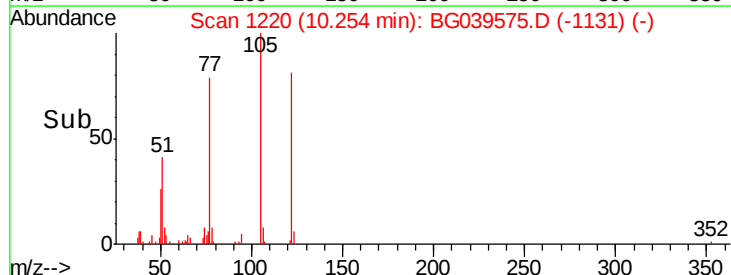
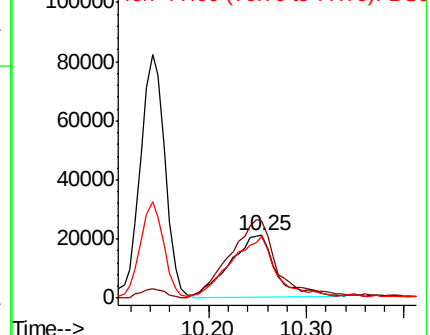
122 100

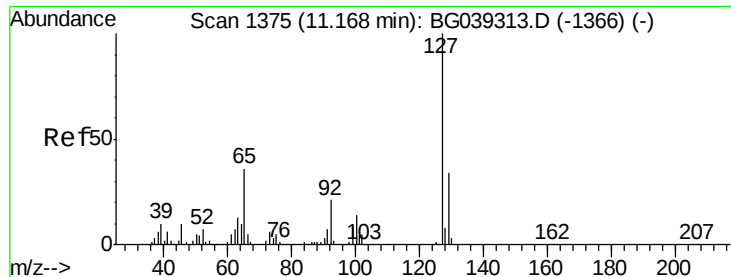
105 122.7 101.8 141.8

77 97.2 76.3 116.3



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

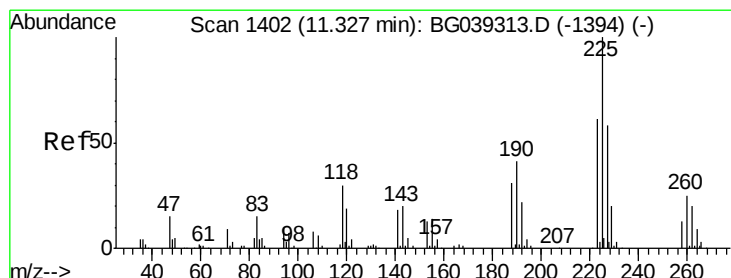
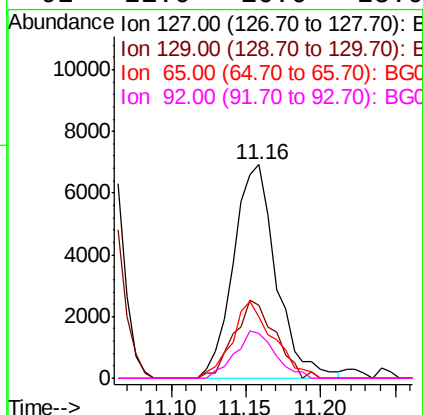
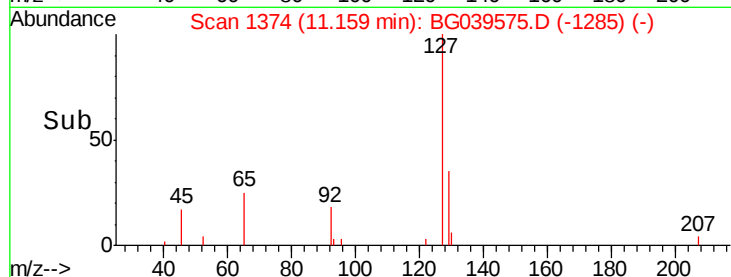
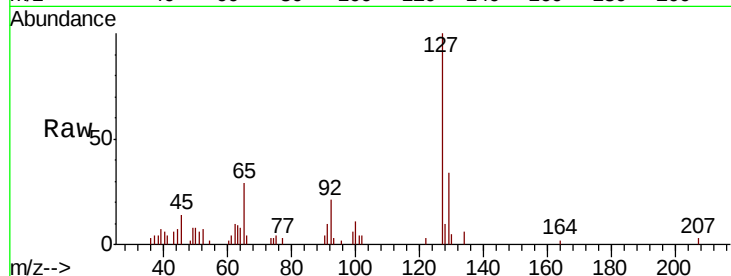




#33  
4-Chloroaniline  
Concen: 2.776 ng  
RT: 11.16 min Scan# 1374  
Delta R.T. -0.01 min  
Lab File: BG039575.D  
Acq: 21 Feb 2019 17:31

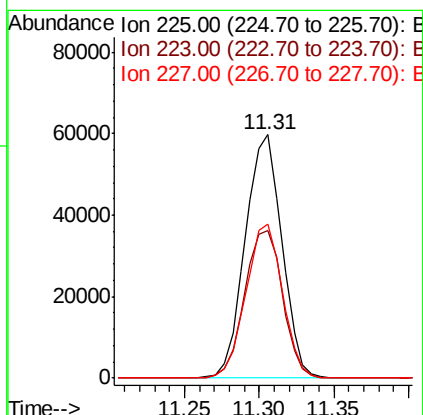
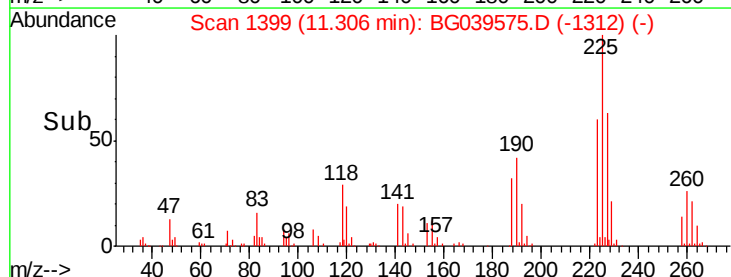
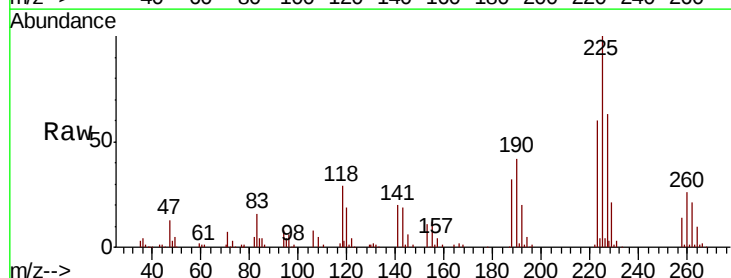
Instrument :  
BNA\_G  
ClientSampleId :  
OR-02-021919-AMS

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 127   | Resp: | 13787 |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 34.4  | 27.0  | 40.4  |
| 65       | 28.7  | 28.8  | 43.2# |
| 92       | 21.0  | 16.6  | 25.0  |



#34  
Hexachlorobutadiene  
Concen: 40.002 ng  
RT: 11.31 min Scan# 1399  
Delta R.T. -0.02 min  
Lab File: BG039575.D  
Acq: 21 Feb 2019 17:31

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 101123 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 60.5  | 49.0  | 73.6   |
| 227      | 63.4  | 46.3  | 69.5   |





#35

Caprolactam

Concen: 27.238 ng

RT: 11.93 min Scan# 1506

Delta R.T. -0.03 min

Lab File: BG039575.D

Acq: 21 Feb 2019 17:31

Instrument :

BNA\_G

ClientSampleId :

OR-02-021919-AMS

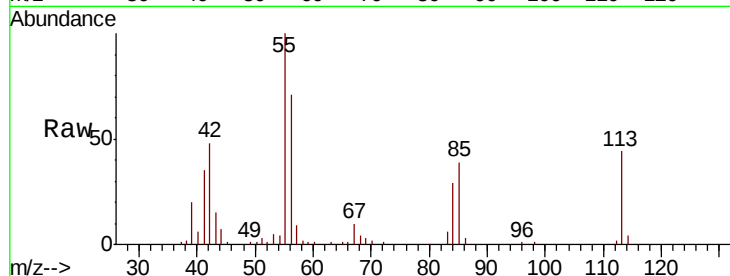
Tot Ion:113 Resp: 38162

Ion Ratio Lower Upper

113 100

55 224.9 216.9 256.9

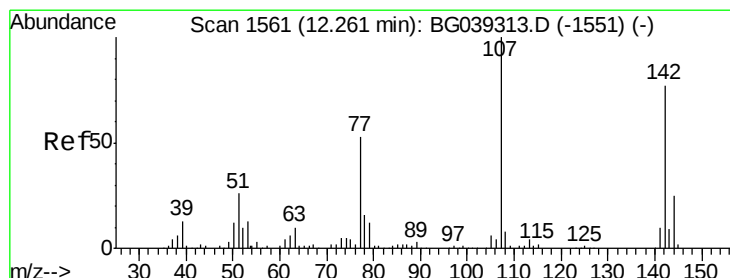
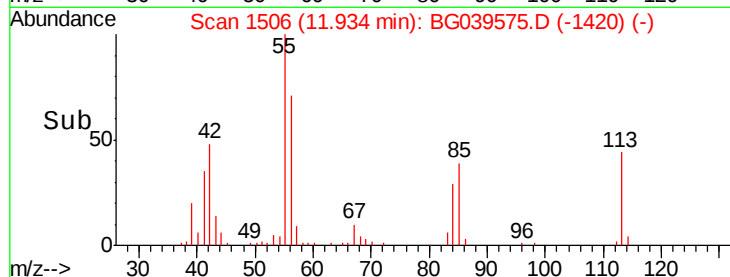
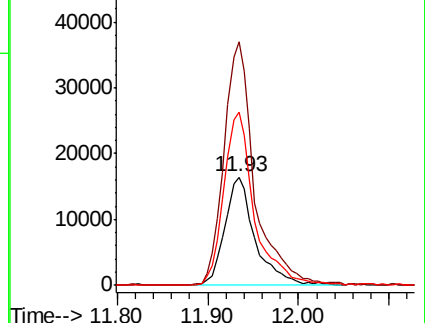
56 160.4 152.6 192.6



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG

Ion 56.00 (55.70 to 56.70): BG



#36

4-Chloro-3-methylphenol

Concen: 45.987 ng

RT: 12.26 min Scan# 1561

Delta R.T. -0.00 min

Lab File: BG039575.D

Acq: 21 Feb 2019 17:31

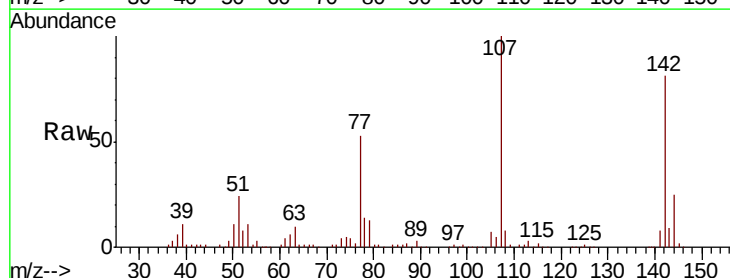
Tgt Ion:107 Resp: 180069

Ion Ratio Lower Upper

107 100

144 25.4 20.2 30.2

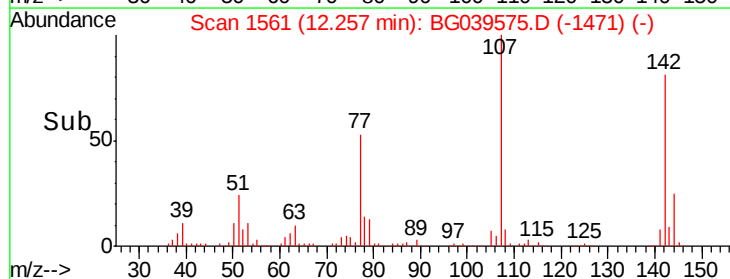
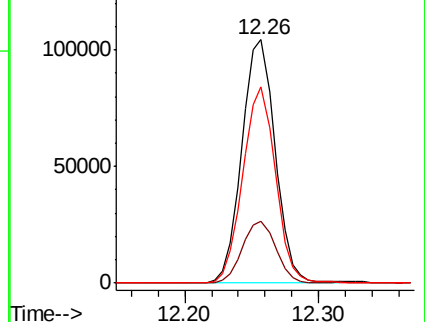
142 80.7 61.4 92.2

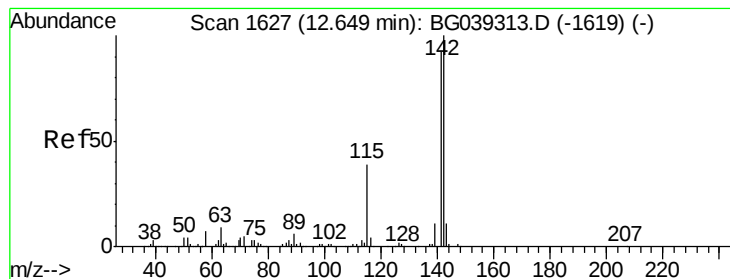


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 45.544 ng

RT: 12.63 min Scan# 1625

Delta R.T. -0.02 min

Lab File: BG039575.D

Acq: 21 Feb 2019 17:31

Instrument :

BNA\_G

ClientSampleId :

OR-02-021919-AMS

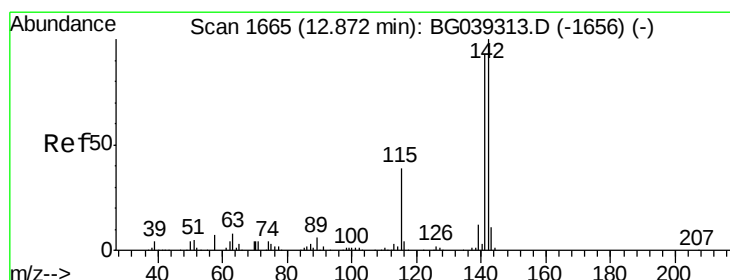
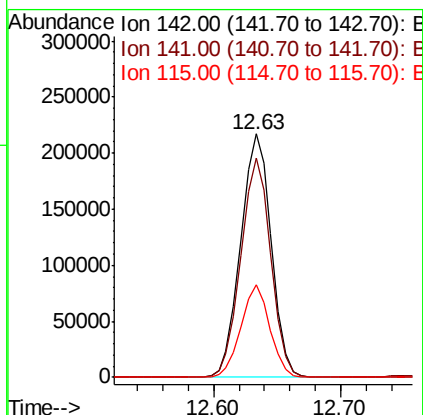
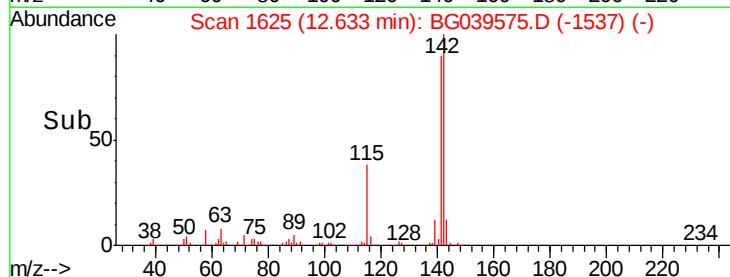
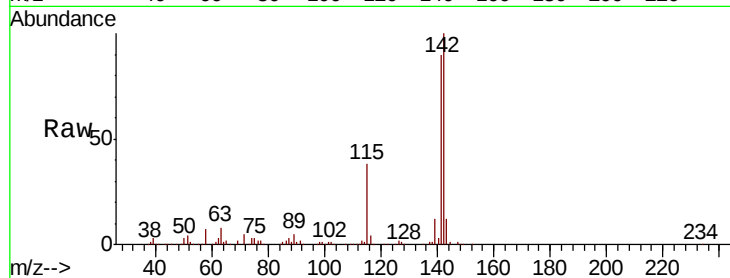
Tot Ion:142 Resp: 361280

Ion Ratio Lower Upper

142 100

141 90.2 73.5 110.3

115 38.2 30.8 46.2



#38

1-Methylnaphthalene

Concen: 44.867 ng

RT: 12.85 min Scan# 1662

Delta R.T. -0.02 min

Lab File: BG039575.D

Acq: 21 Feb 2019 17:31

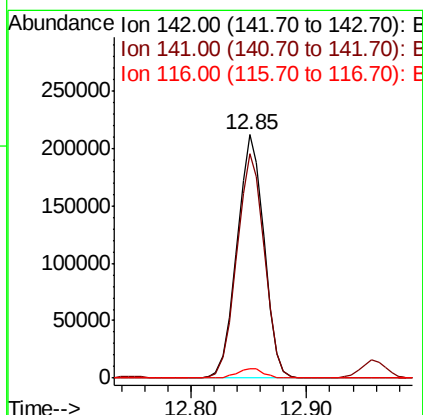
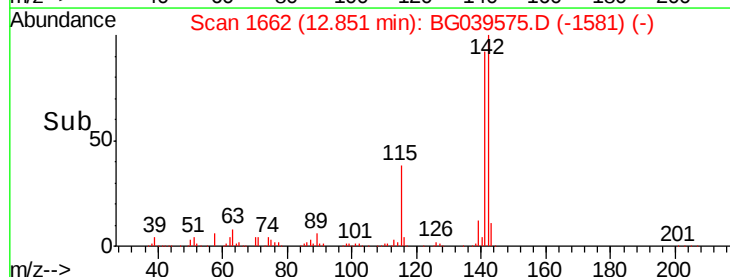
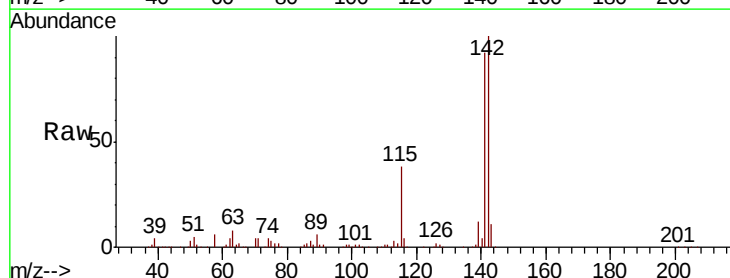
Tgt Ion:142 Resp: 343078

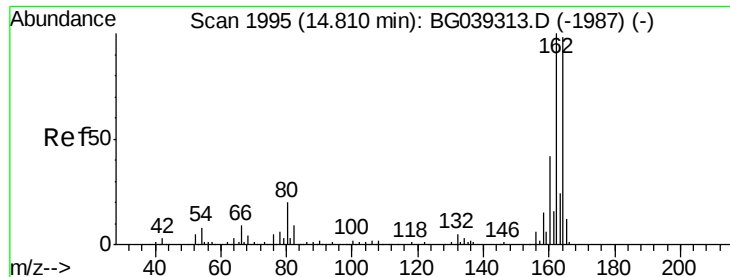
Ion Ratio Lower Upper

142 100

141 91.9 74.2 111.4

116 3.7 3.0 4.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.80 min Scan# 1993

Delta R.T. -0.02 min

Lab File: BG039575.D

Acq: 21 Feb 2019 17:31

Instrument :

BNA\_G

ClientSampleId :

OR-02-021919-AMS

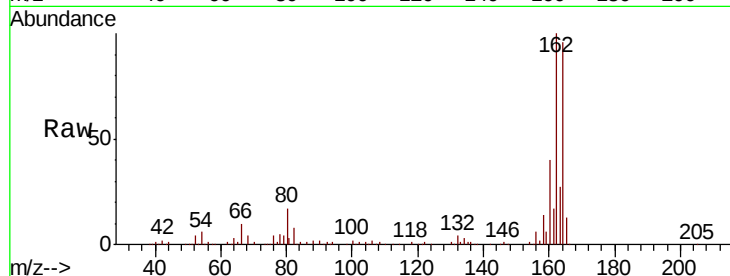
Tot Ion:164 Resp: 149218

Ion Ratio Lower Upper

164 100

162 103.7 81.6 122.4

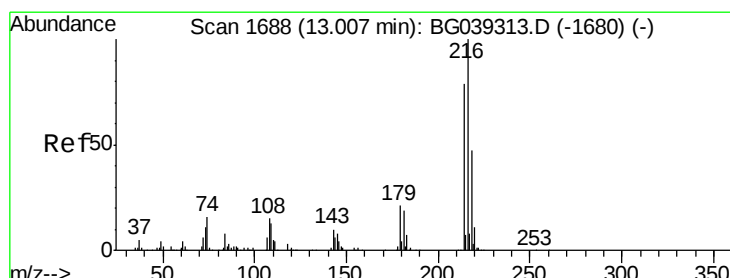
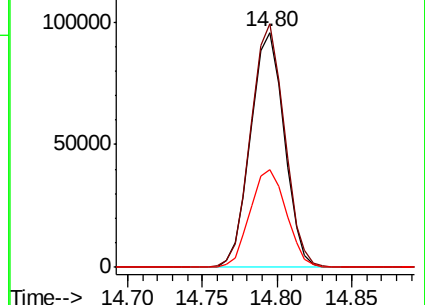
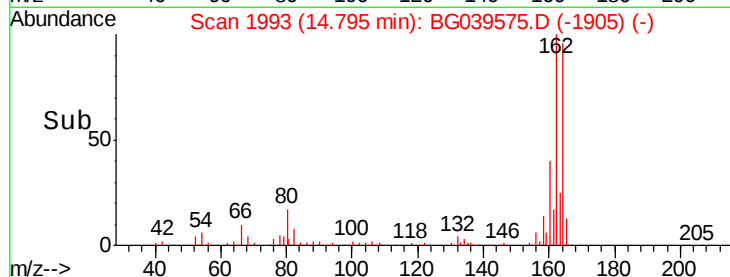
160 41.6 34.2 51.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 40.763 ng

RT: 12.99 min Scan# 1686

Delta R.T. -0.02 min

Lab File: BG039575.D

Acq: 21 Feb 2019 17:31

Tgt Ion:216 Resp: 193530

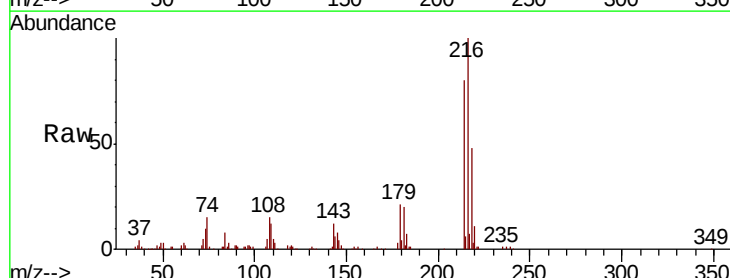
Ion Ratio Lower Upper

216 100

214 80.3 62.6 94.0

179 21.1 16.6 25.0

108 18.2 14.0 21.0

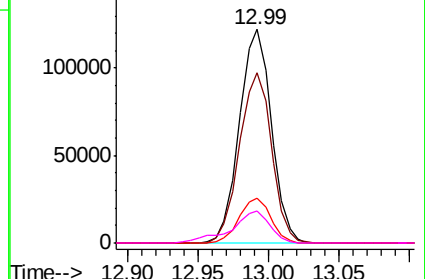
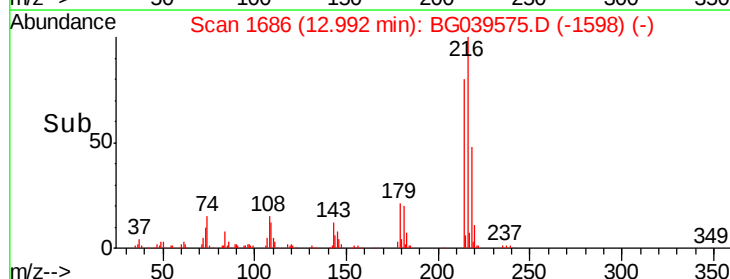


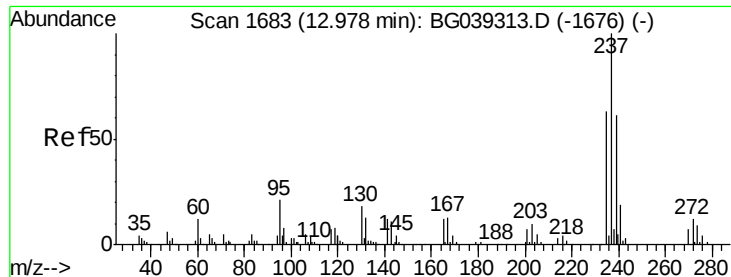
Abundance Ion 216.00 (215.70 to 216.70): E

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: 84.586 ng

RT: 12.96 min Scan# 1680

Delta R.T. -0.02 min

Lab File: BG039575.D

Acq: 21 Feb 2019 17:31

Instrument :

BNA\_G

ClientSampleId :

OR-02-021919-AMS

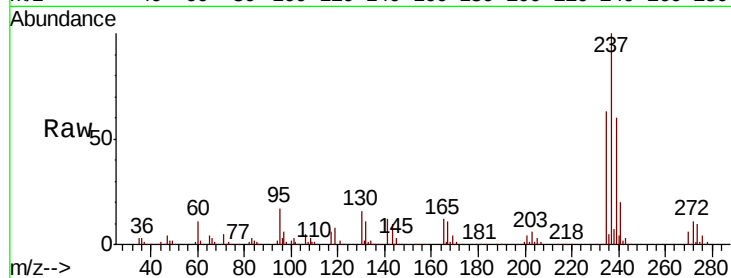
Tot Ion:237 Resp: 218830

Ion Ratio Lower Upper

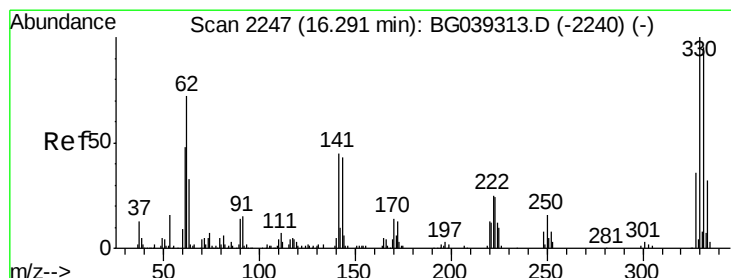
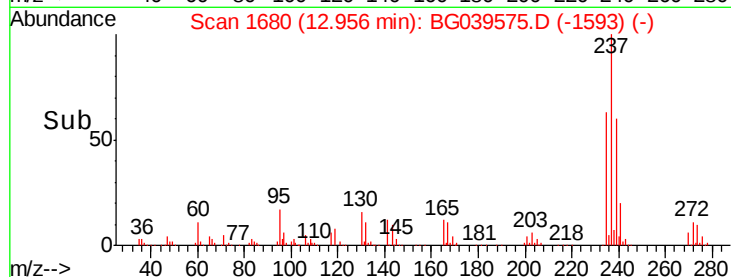
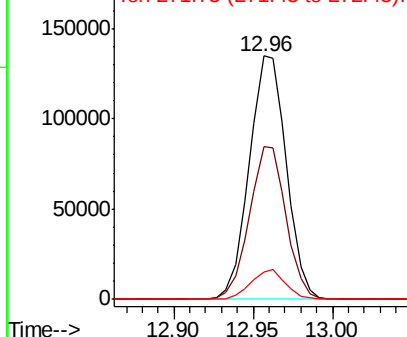
237 100

235 62.9 43.3 83.3

272 11.4 0.0 32.3



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: 147.329 ng

RT: 16.28 min Scan# 2246

Delta R.T. -0.01 min

Lab File: BG039575.D

Acq: 21 Feb 2019 17:31

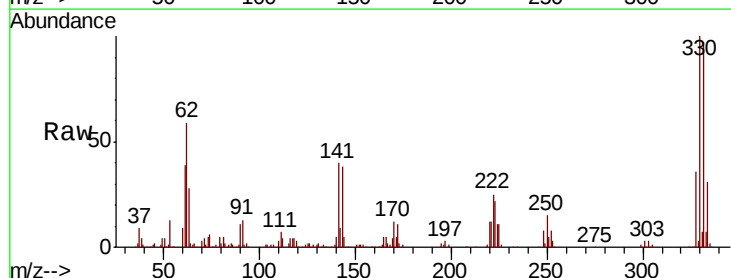
Tgt Ion:330 Resp: 236731

Ion Ratio Lower Upper

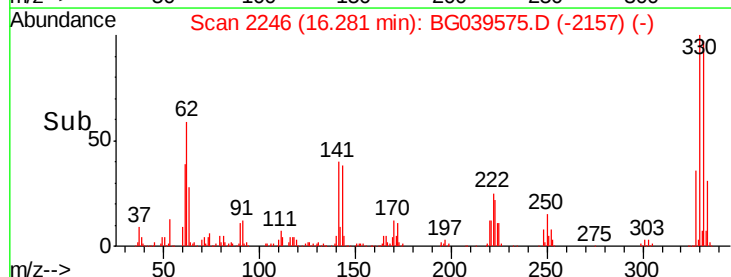
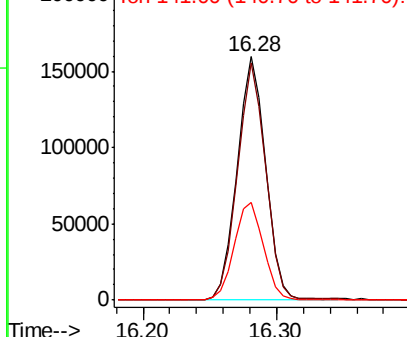
330 100

332 96.2 75.7 113.5

141 41.3 35.6 53.4



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

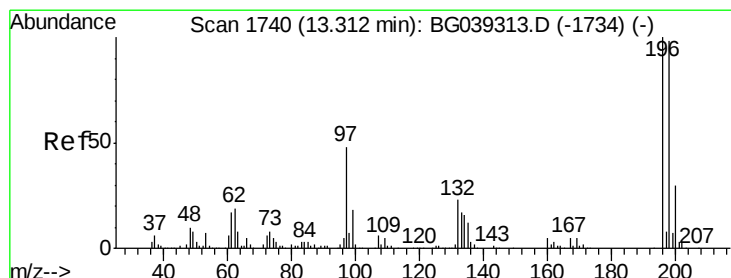
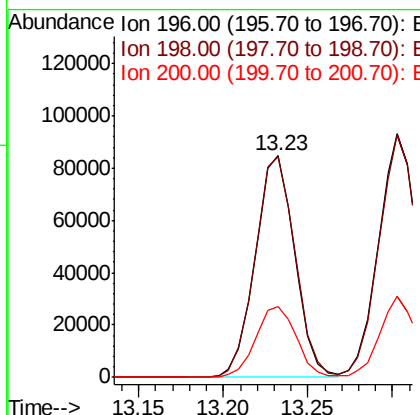
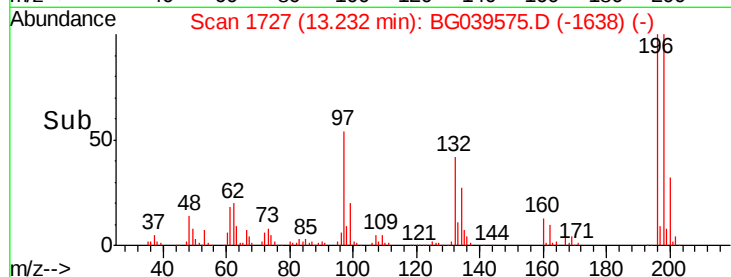
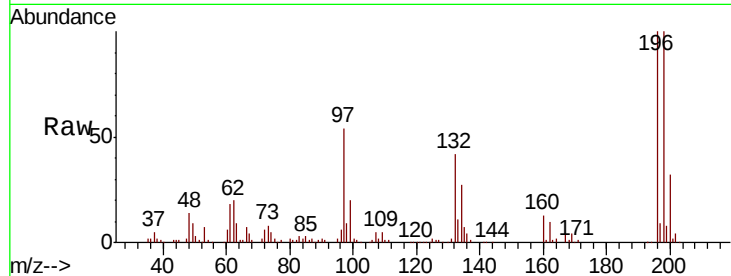




#43  
 2,4,6-Trichlorophenol  
 Concen: 47.199 ng  
 RT: 13.23 min Scan# 1727  
 Delta R.T. -0.01 min  
 Lab File: BG039575.D  
 Acq: 21 Feb 2019 17:31

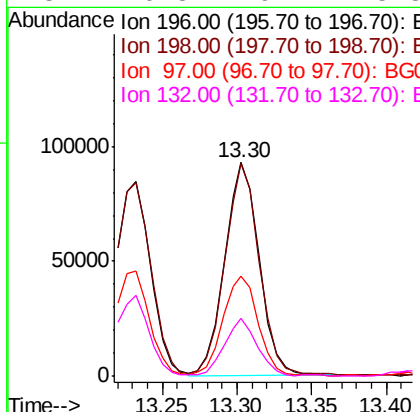
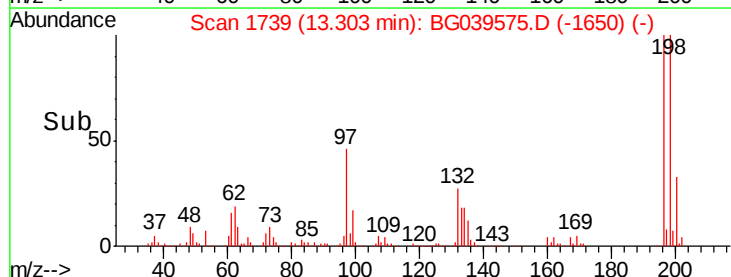
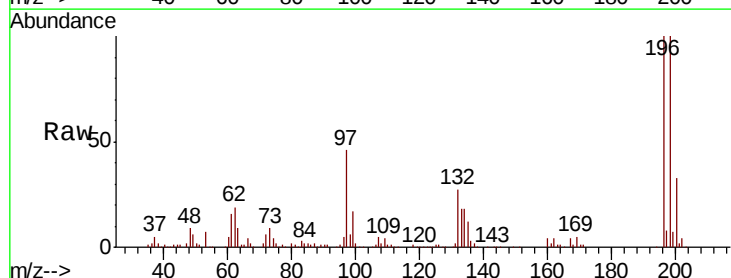
Instrument :  
 BNA\_G  
 ClientSampleId :  
 OR-02-021919-AMS

Tot Ion:196 Resp: 137780  
 Ion Ratio Lower Upper  
 196 100  
 198 99.8 80.6 121.0  
 200 31.9 26.1 39.1



#44  
 2,4,5-Trichlorophenol  
 Concen: 48.939 ng  
 RT: 13.30 min Scan# 1739  
 Delta R.T. -0.01 min  
 Lab File: BG039575.D  
 Acq: 21 Feb 2019 17:31

Tgt Ion:196 Resp: 149727  
 Ion Ratio Lower Upper  
 196 100  
 198 99.5 78.5 117.7  
 97 46.5 38.4 57.6  
 132 26.8 19.2 28.8

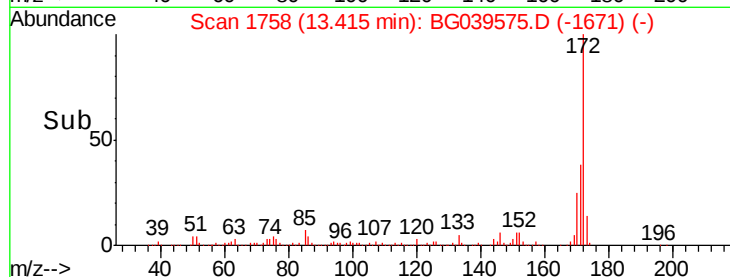
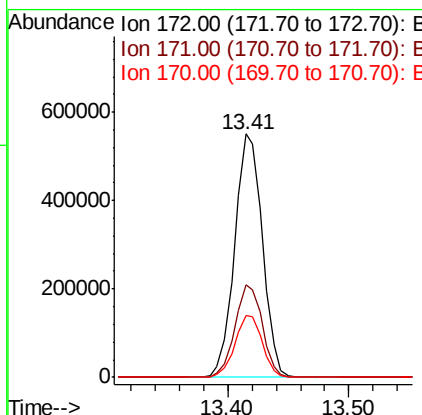
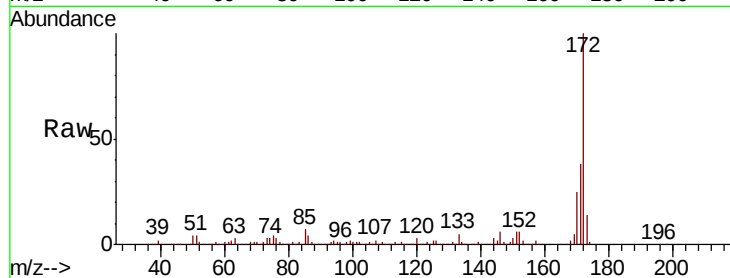




#45  
 2-Fluorobiphenyl  
 Concen: 84.572 ng  
 RT: 13.41 min Scan# 1758  
 Delta R.T. -0.02 min  
 Lab File: BG039575.D  
 Acq: 21 Feb 2019 17:31

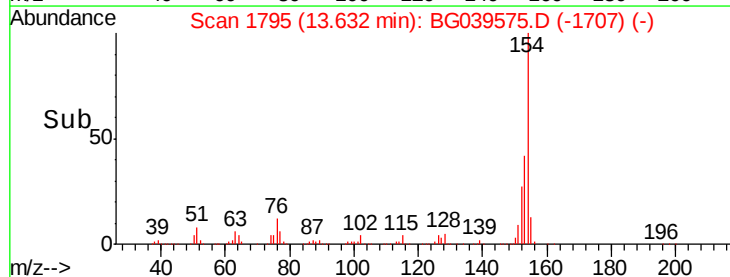
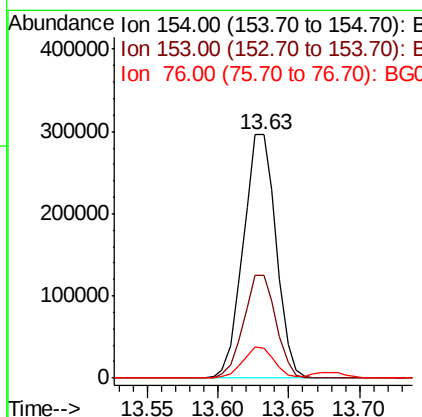
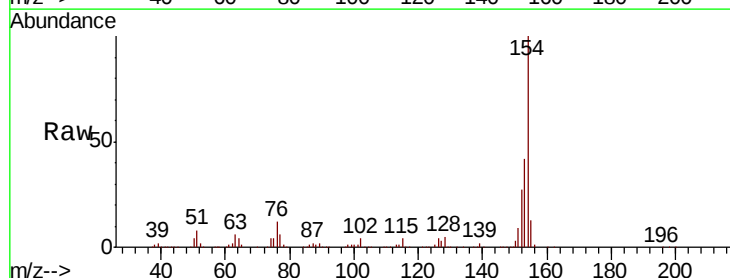
Instrument :  
 BNA\_G  
 ClientSampleId :  
 OR-02-021919-AMS

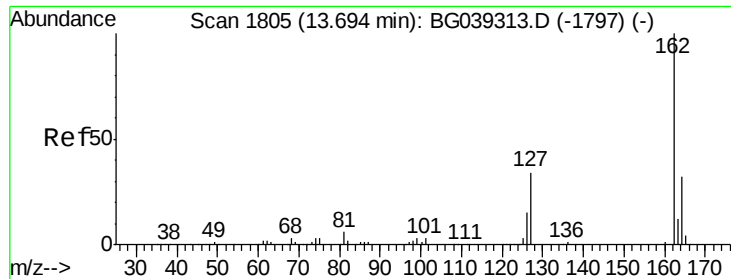
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.9  | 30.8  | 46.2  |
| 170     | 25.3  | 20.2  | 30.4  |



#46  
 1,1'-Biphenyl  
 Concen: 38.872 ng  
 RT: 13.63 min Scan# 1795  
 Delta R.T. -0.02 min  
 Lab File: BG039575.D  
 Acq: 21 Feb 2019 17:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 42.5  | 22.1  | 62.1  |
| 76      | 12.0  | 0.0   | 32.4  |

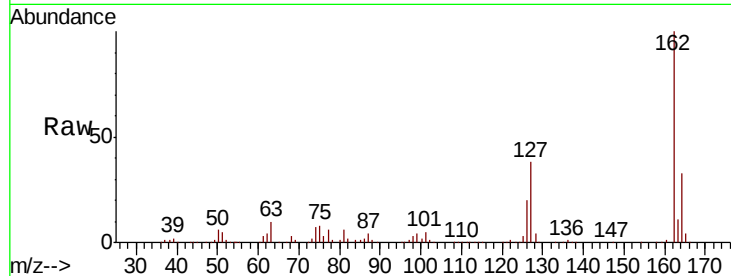




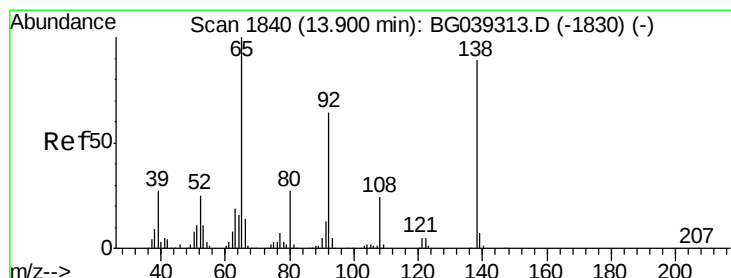
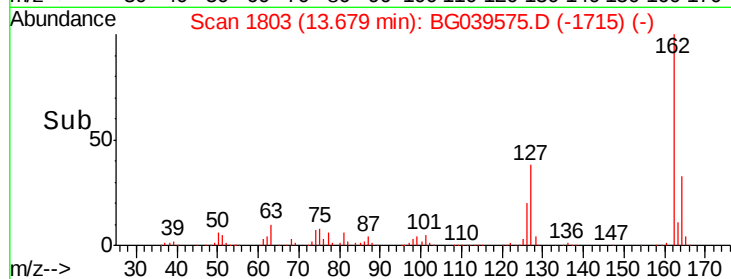
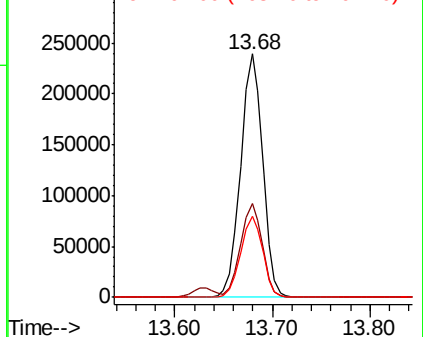
#47  
 2-Chloronaphthalene  
 Concen: 40.392 ng  
 RT: 13.68 min Scan# 1803  
 Delta R.T. -0.02 min  
 Lab File: BG039575.D  
 Acq: 21 Feb 2019 17:31

Instrument :  
 BNA\_G  
 ClientSampleId :  
 OR-02-021919-AMS

Tot Ion:162 Resp: 377255  
 Ion Ratio Lower Upper  
 162 100  
 127 38.5 31.0 46.6  
 164 33.1 25.7 38.5

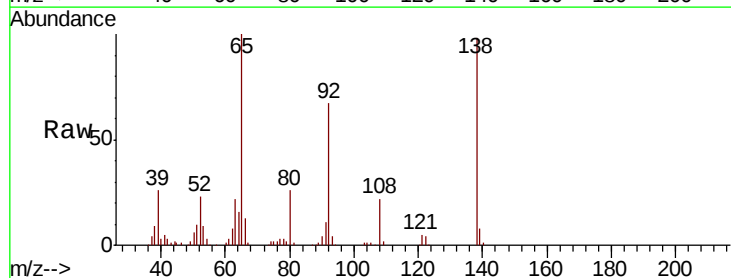


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 127.00 (126.70 to 127.70): E  
 Ion 164.00 (163.70 to 164.70): E

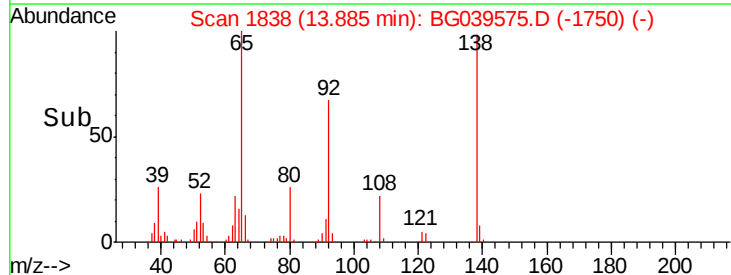
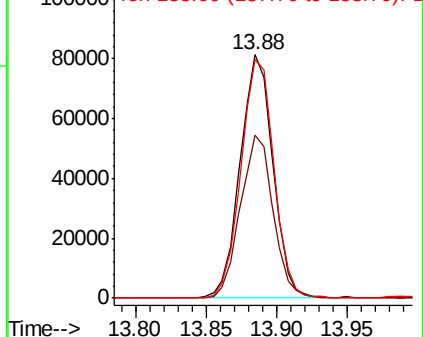


#48  
 2-Nitroaniline  
 Concen: 48.993 ng  
 RT: 13.88 min Scan# 1838  
 Delta R.T. -0.01 min  
 Lab File: BG039575.D  
 Acq: 21 Feb 2019 17:31

Tgt Ion: 65 Resp: 132002  
 Ion Ratio Lower Upper  
 65 100  
 92 67.0 51.4 77.2  
 138 97.7 71.4 107.2



Abundance Ion 65.00 (64.70 to 65.70): BGC  
 Ion 92.00 (91.70 to 92.70): BGC  
 Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 43.586 ng

RT: 14.52 min Scan# 1946

Delta R.T. -0.02 min

Lab File: BG039575.D

Acq: 21 Feb 2019 17:31

Instrument :

BNA\_G

ClientSampleId :

OR-02-021919-AMS

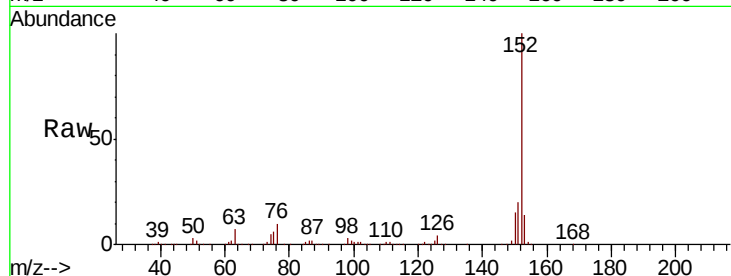
Tot Ion:152 Resp: 614258

Ion Ratio Lower Upper

152 100

151 20.5 16.8 25.2

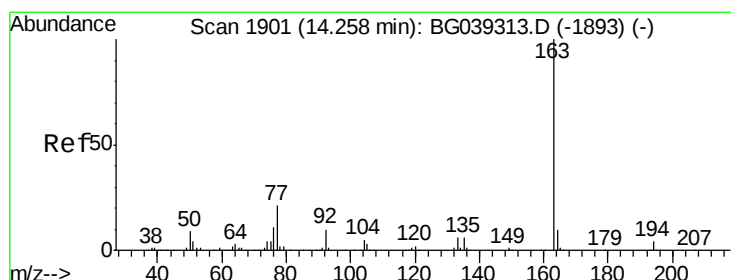
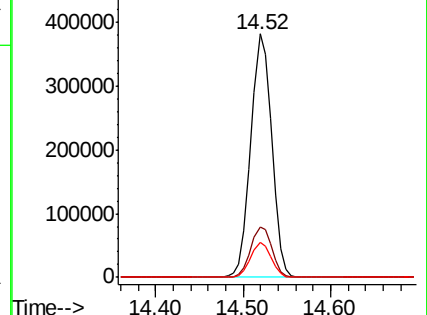
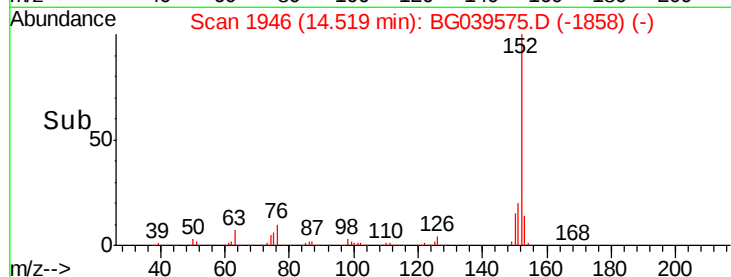
153 14.4 11.7 17.5



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: 41.713 ng

RT: 14.24 min Scan# 1899

Delta R.T. -0.02 min

Lab File: BG039575.D

Acq: 21 Feb 2019 17:31

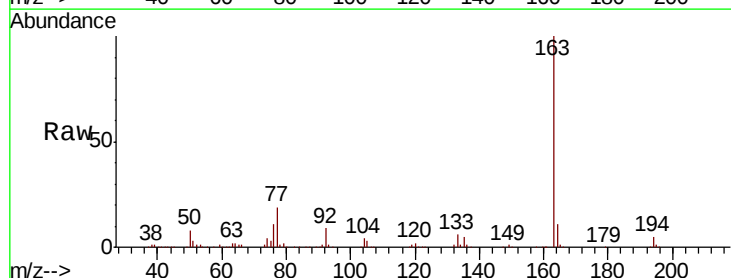
Tgt Ion:163 Resp: 502700

Ion Ratio Lower Upper

163 100

194 4.5 3.6 5.4

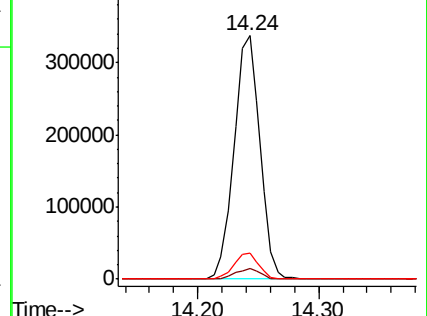
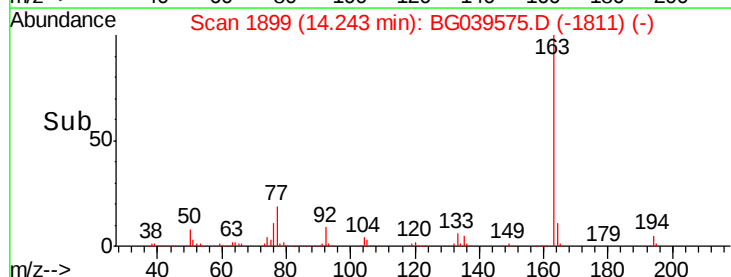
164 10.8 8.4 12.6



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: 49.795 ng

RT: 14.37 min Scan# 1921

Delta R.T. -0.01 min

Lab File: BG039575.D

Acq: 21 Feb 2019 17:31

Instrument :

BNA\_G

ClientSampleId :

OR-02-021919-AMS

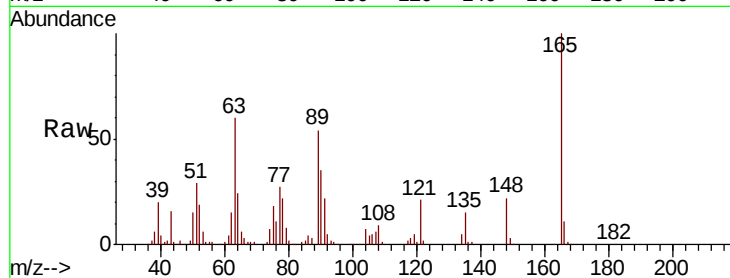
Tot Ion:165 Resp: 112796

Ion Ratio Lower Upper

165 100

63 60.1 47.0 70.6

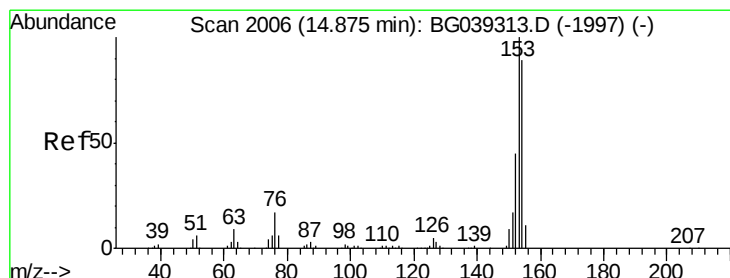
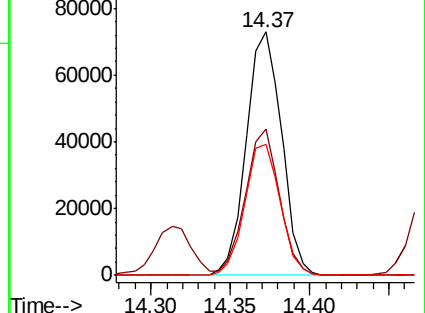
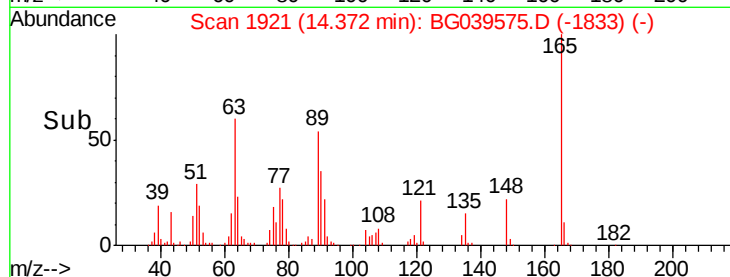
89 53.8 45.8 68.8



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



#52

Acenaphthene

Concen: 40.939 ng

RT: 14.86 min Scan# 2004

Delta R.T. -0.02 min

Lab File: BG039575.D

Acq: 21 Feb 2019 17:31

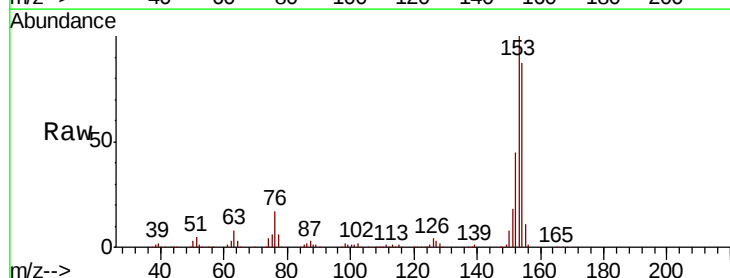
Tgt Ion:154 Resp: 374509

Ion Ratio Lower Upper

154 100

153 115.1 90.1 135.1

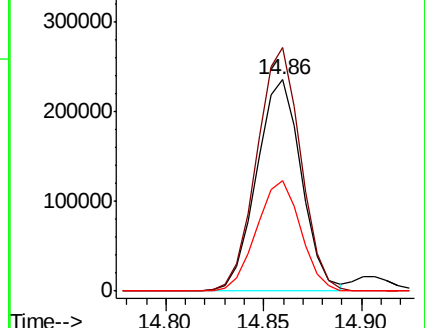
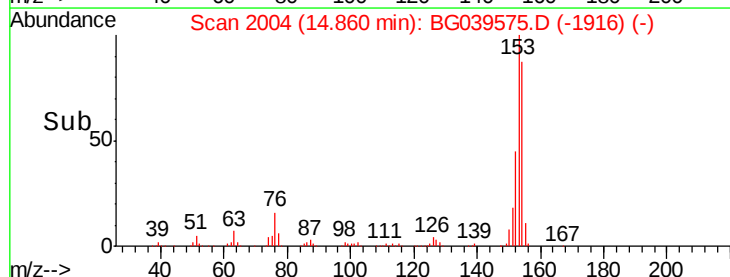
152 52.2 40.9 61.3



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

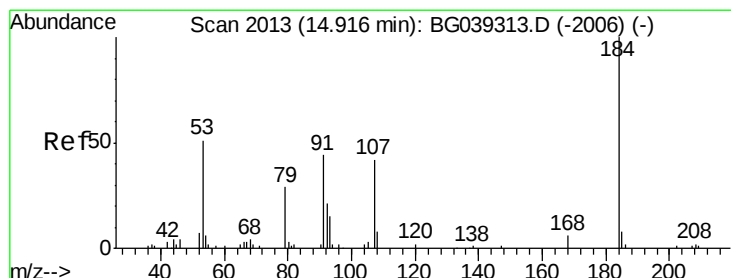
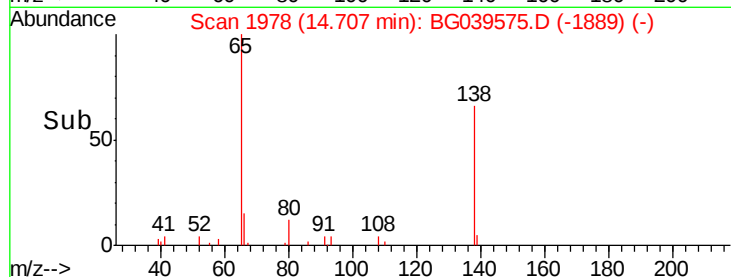
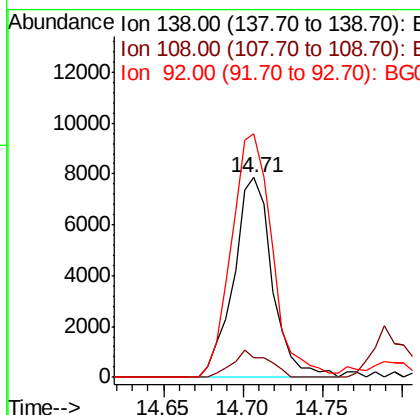
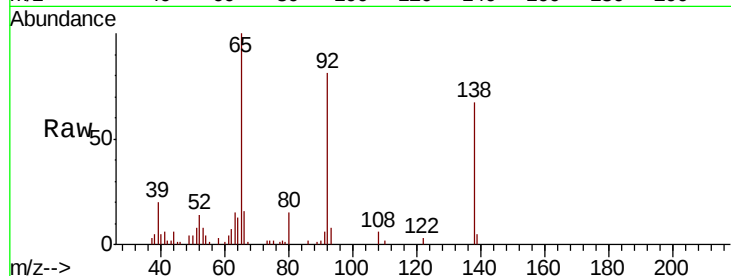




#53  
3-Nitroaniline  
Concen: 10.587 ng  
RT: 14.71 min Scan# 1978  
Delta R.T. -0.01 min  
Lab File: BG039575.D  
Acq: 21 Feb 2019 17:31

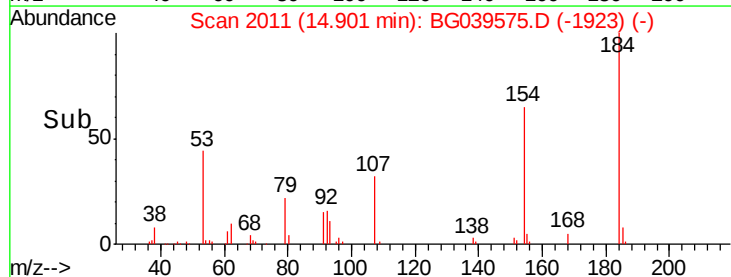
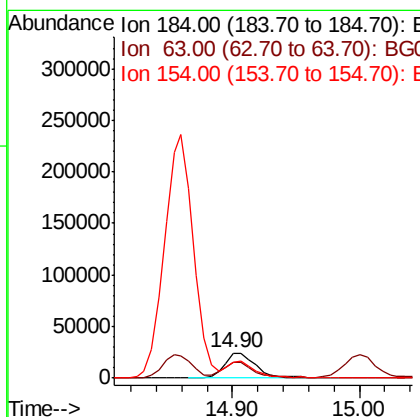
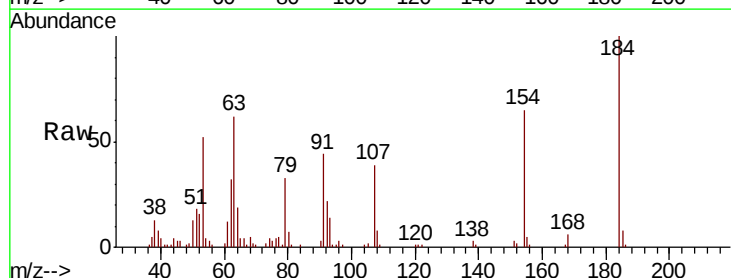
Instrument :  
BNA\_G  
ClientSampleId :  
OR-02-021919-AMS

Tot Ion:138 Resp: 13250  
Ion Ratio Lower Upper  
138 100  
108 9.6 13.8 20.8#  
92 121.9 103.7 155.5



#54  
2,4-Dinitrophenol  
Concen: 51.856 ng  
RT: 14.90 min Scan# 2011  
Delta R.T. -0.02 min  
Lab File: BG039575.D  
Acq: 21 Feb 2019 17:31

Tgt Ion:184 Resp: 42619  
Ion Ratio Lower Upper  
184 100  
63 62.2 50.9 76.3  
154 64.8 53.0 79.6

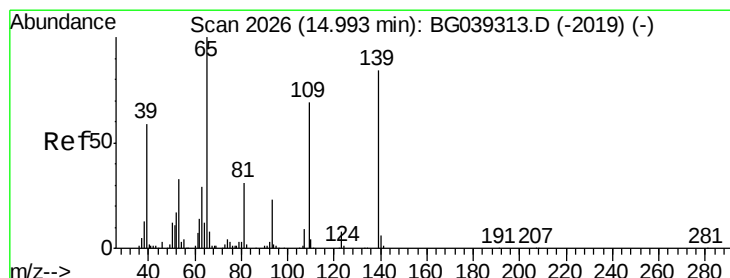
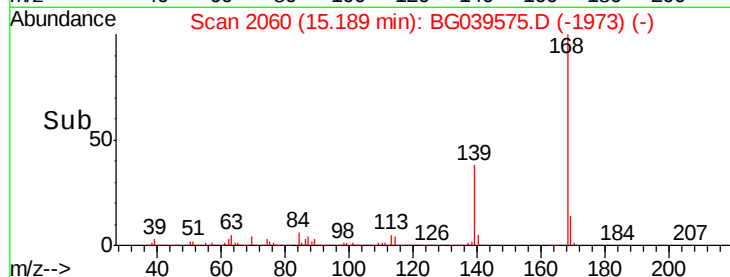
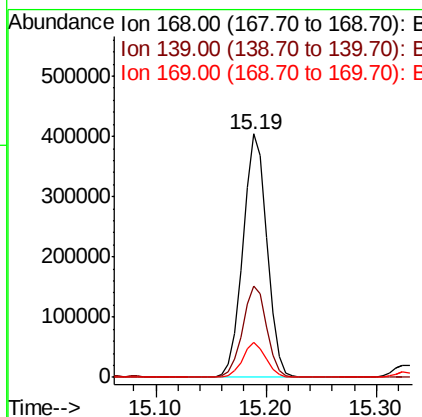
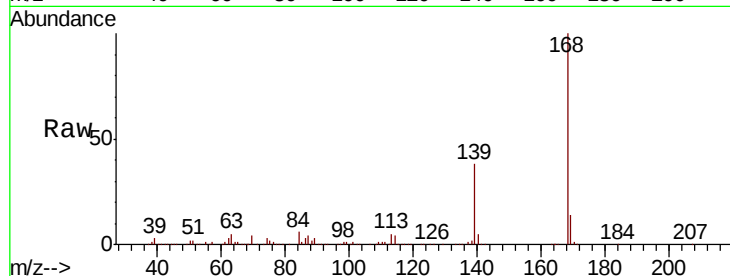




#55  
Dibenzofuran  
Concen: 42.095 ng  
RT: 15.19 min Scan# 2060  
Delta R.T. -0.02 min  
Lab File: BG039575.D  
Acq: 21 Feb 2019 17:31

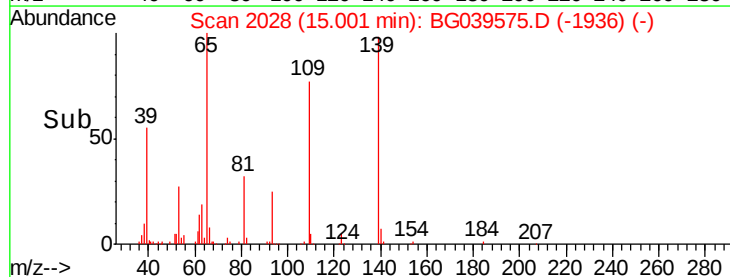
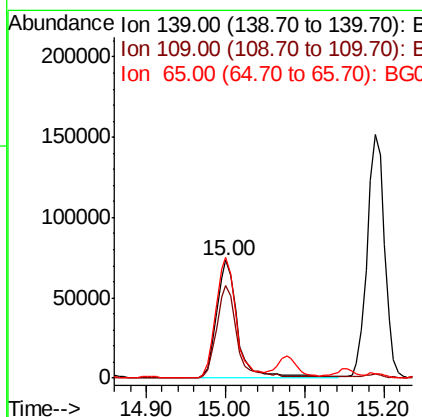
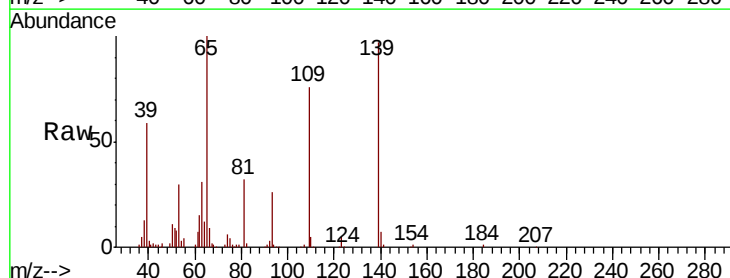
Instrument :  
BNA\_G  
ClientSampleId :  
OR-02-021919-AMS

Tot Ion:168 Resp: 617422  
Ion Ratio Lower Upper  
168 100  
139 37.5 30.1 45.1  
169 14.4 10.6 16.0



#56  
4-Nitrophenol  
Concen: 63.441 ng  
RT: 15.00 min Scan# 2028  
Delta R.T. 0.01 min  
Lab File: BG039575.D  
Acq: 21 Feb 2019 17:31

Tgt Ion:139 Resp: 135421  
Ion Ratio Lower Upper  
139 100  
109 78.5 61.9 101.9  
65 102.7 99.1 139.1





#57

2,4-Dinitrotoluene

Concen: 54.302 ng

RT: 15.15 min Scan# 2054

Delta R.T. -0.01 min

Lab File: BG039575.D

Acq: 21 Feb 2019 17:31

Instrument :

BNA\_G

ClientSampleId :

OR-02-021919-AMS

Tot Ion:165 Resp: 160210

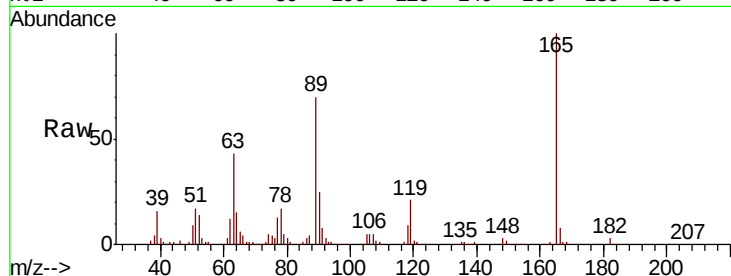
Ion Ratio Lower Upper

165 100

63 42.9 41.0 61.6

89 70.0 64.6 96.8

182 2.9 2.0 3.0

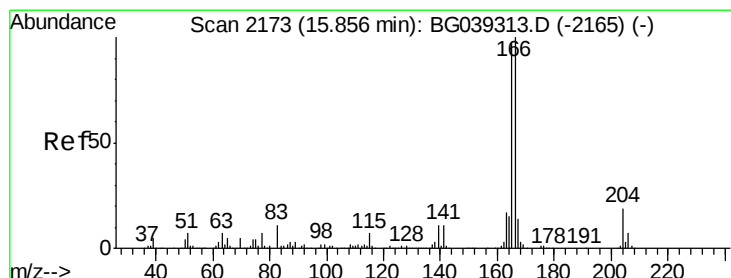
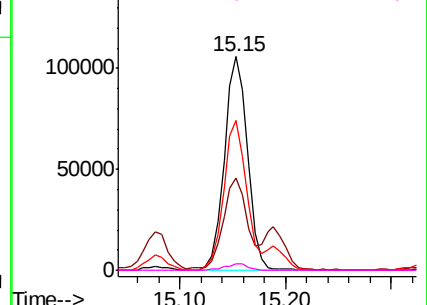
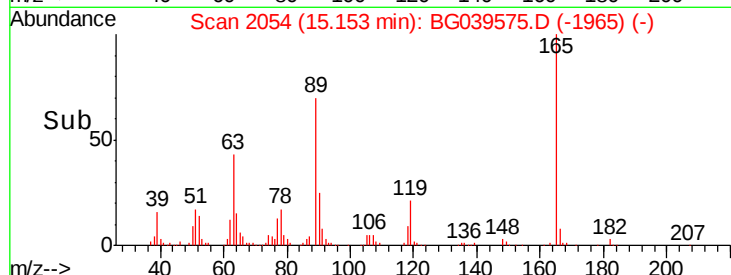


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 89.00 (88.70 to 89.70): BG

Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 44.923 ng

RT: 15.83 min Scan# 2170

Delta R.T. -0.02 min

Lab File: BG039575.D

Acq: 21 Feb 2019 17:31

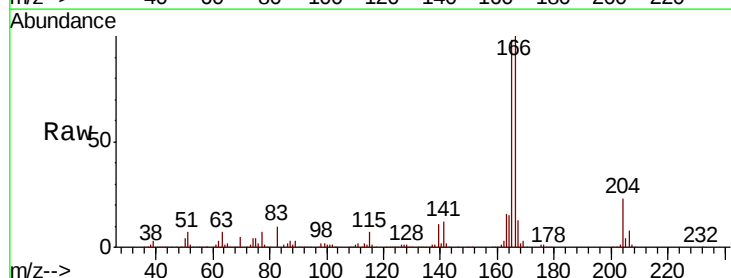
Tgt Ion:166 Resp: 491181

Ion Ratio Lower Upper

166 100

165 97.8 77.9 116.9

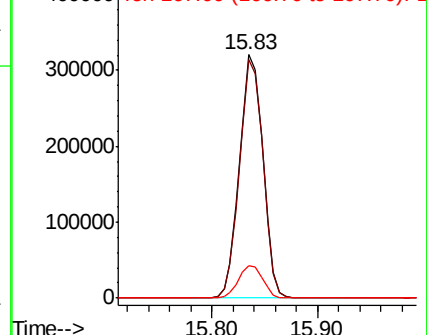
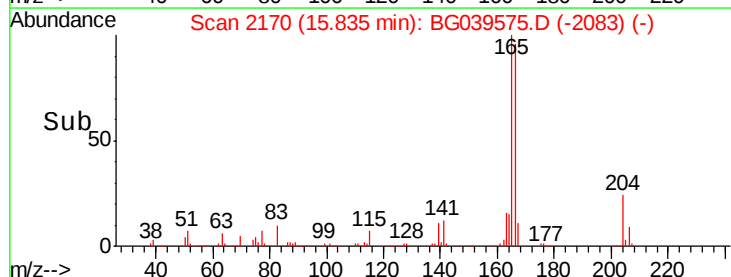
167 13.3 10.8 16.2



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

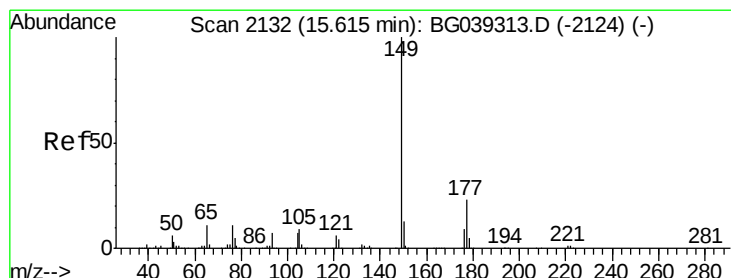
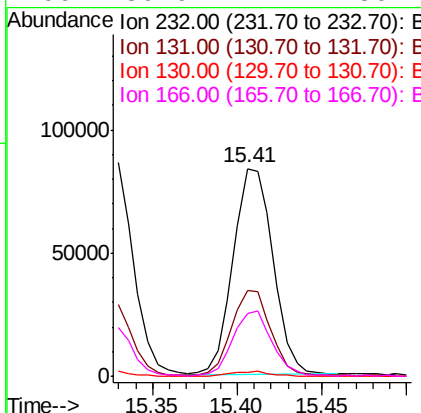
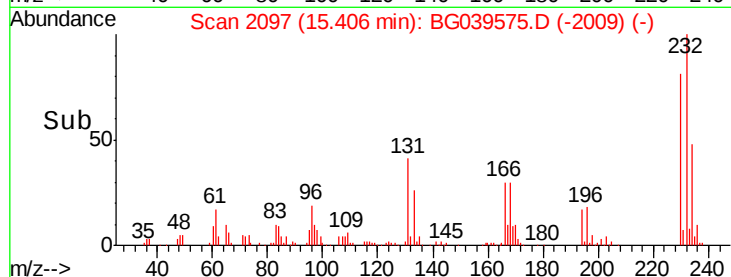
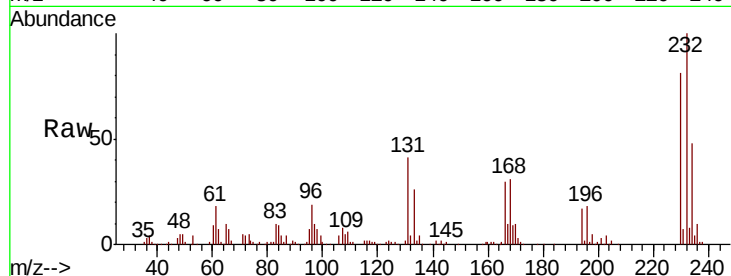




#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 47.990 ng  
 RT: 15.41 min Scan# 2097  
 Delta R.T. -0.02 min  
 Lab File: BG039575.D  
 Acq: 21 Feb 2019 17:31

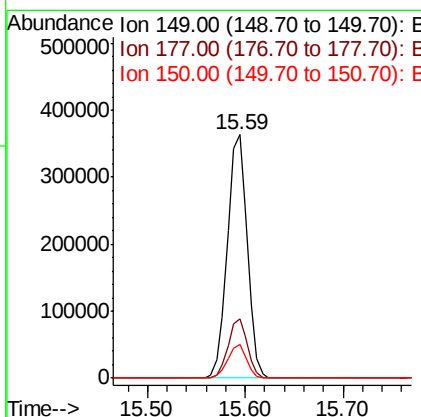
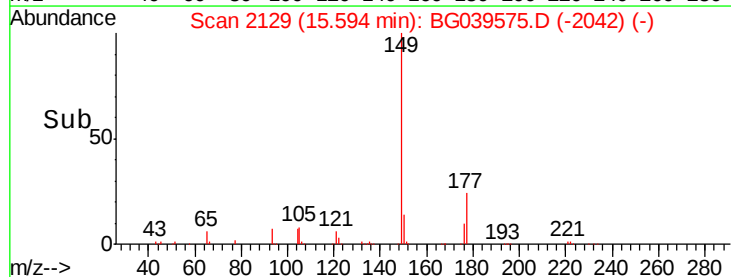
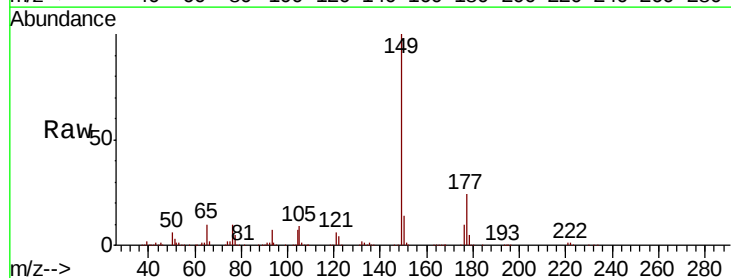
Instrument :  
 BNA\_G  
 ClientSampleId :  
 OR-02-021919-AMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 232     | 100   |       |       |
| 131     | 41.2  | 34.9  | 52.3  |
| 130     | 2.4   | 2.0   | 3.0   |
| 166     | 30.6  | 24.1  | 36.1  |



#60  
 Diethylphthalate  
 Concen: 41.100 ng  
 RT: 15.59 min Scan# 2129  
 Delta R.T. -0.02 min  
 Lab File: BG039575.D  
 Acq: 21 Feb 2019 17:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 24.2  | 18.3  | 27.5  |
| 150     | 13.8  | 10.2  | 15.2  |

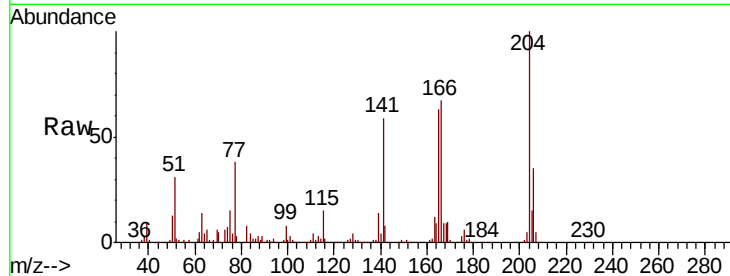




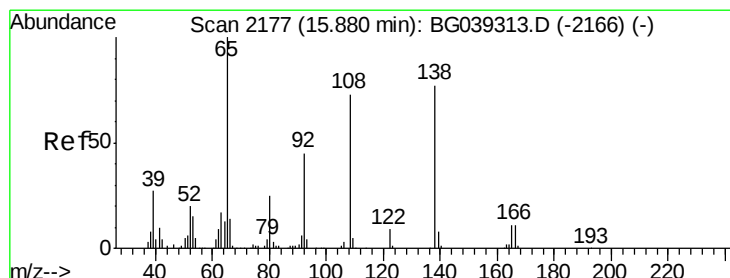
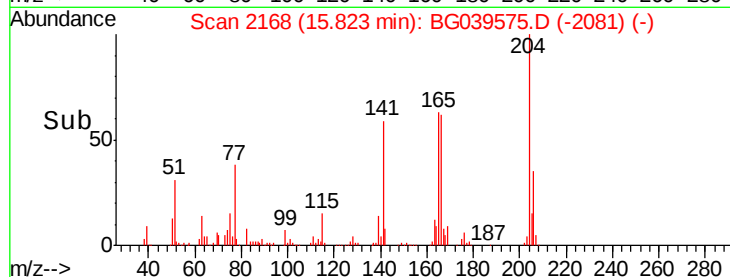
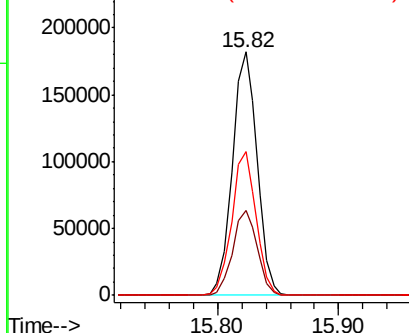
#61  
4-Chlorophenyl-phenylether  
Concen: 41.861 ng  
RT: 15.82 min Scan# 2168  
Delta R.T. -0.02 min  
Lab File: BG039575.D  
Acq: 21 Feb 2019 17:31

Instrument :  
BNA\_G  
ClientSampleId :  
OR-02-021919-AMS

Tot Ion:204 Resp: 259163  
Ion Ratio Lower Upper  
204 100  
206 35.0 29.2 43.8  
141 59.1 49.0 73.4

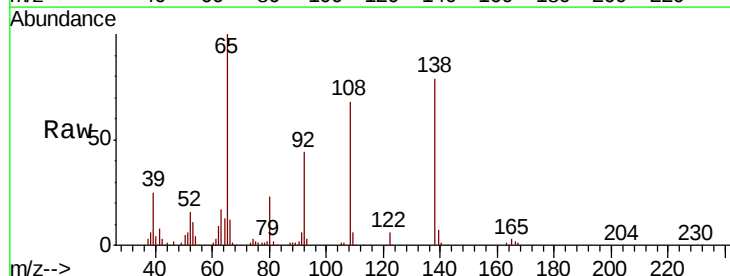


Abundance Ion 204.00 (203.70 to 204.70): E  
Ion 206.00 (205.70 to 206.70): E  
Ion 141.00 (140.70 to 141.70): E

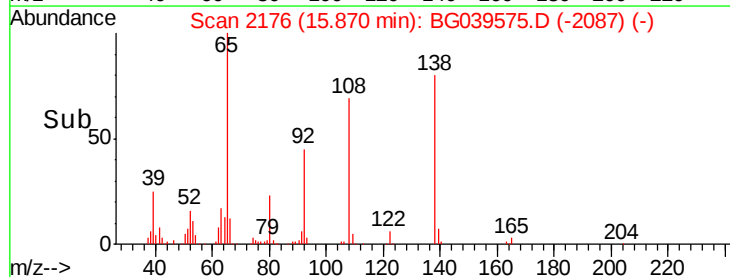
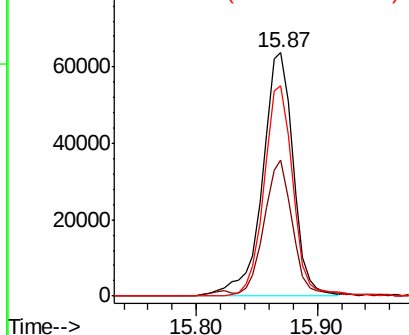


#62  
4-Nitroaniline  
Concen: 44.752 ng  
RT: 15.87 min Scan# 2176  
Delta R.T. -0.01 min  
Lab File: BG039575.D  
Acq: 21 Feb 2019 17:31

Tgt Ion:138 Resp: 112307  
Ion Ratio Lower Upper  
138 100  
92 55.9 38.7 78.7  
108 86.6 74.6 114.6



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

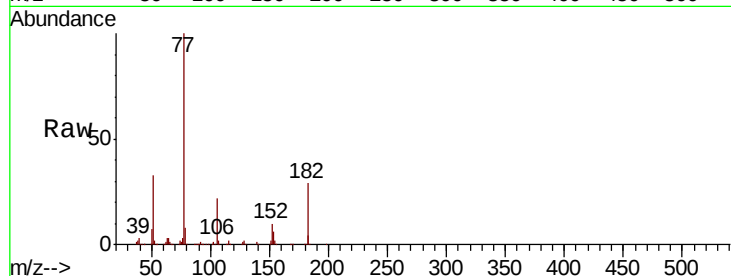




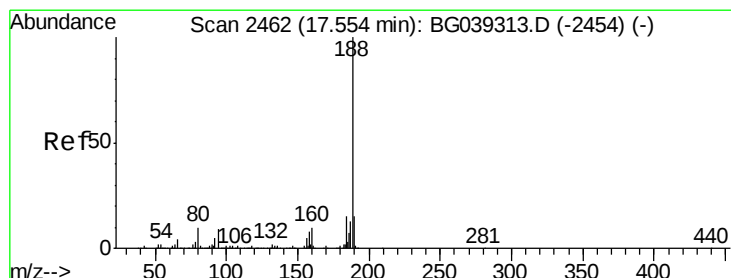
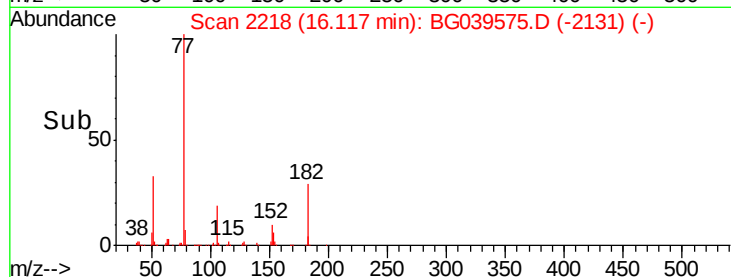
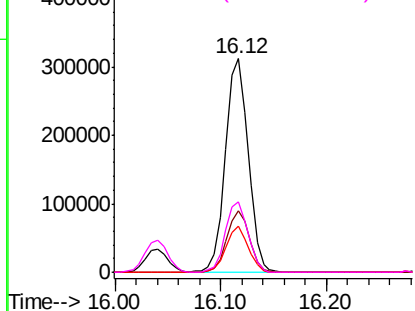
#63  
Azobenzene  
Concen: 38.130 ng  
RT: 16.12 min Scan# 2218  
Delta R.T. -0.02 min  
Lab File: BG039575.D  
Acq: 21 Feb 2019 17:31

Instrument :  
BNA\_G  
ClientSampleId :  
OR-02-021919-AMS

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 77    | Resp: | 464377 |
| Ion      | Ratio | Lower | Upper  |
| 77       | 100   |       |        |
| 182      | 28.9  | 6.4   | 46.4   |
| 105      | 21.6  | 0.0   | 39.8   |
| 51       | 33.2  | 14.1  | 54.1   |

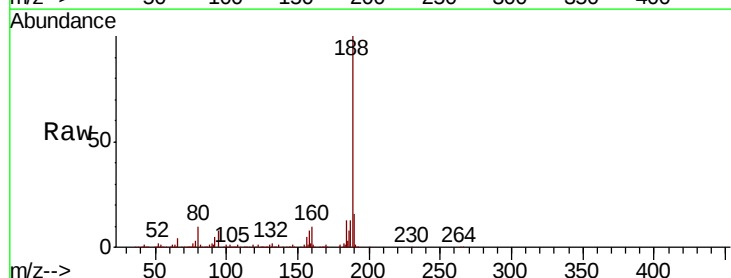


Abundance Ion 77.00 (76.70 to 77.70): BGC  
Ion 182.00 (181.70 to 182.70): BGC  
Ion 105.00 (104.70 to 105.70): BGC  
Ion 51.00 (50.70 to 51.70): BGC

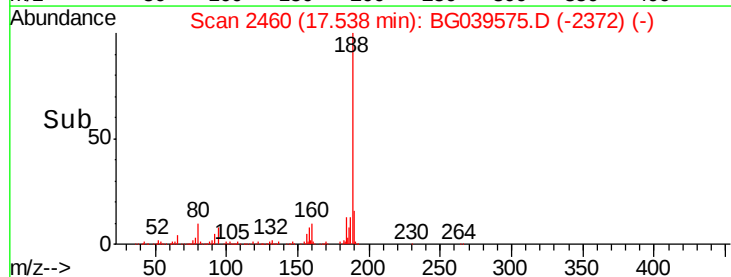
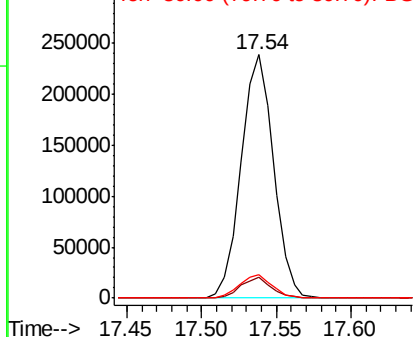


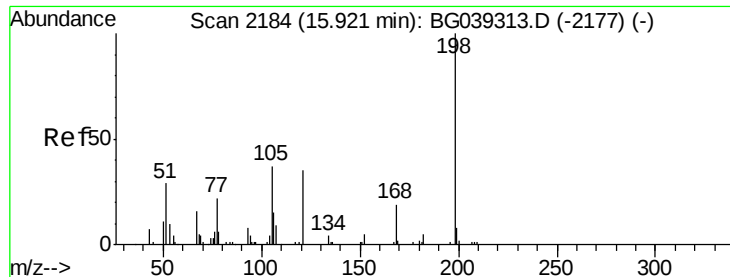
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.54 min Scan# 2460  
Delta R.T. -0.02 min  
Lab File: BG039575.D  
Acq: 21 Feb 2019 17:31

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 188   | Resp: | 358714 |
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 8.3   | 6.9   | 10.3   |
| 80       | 9.7   | 8.1   | 12.1   |



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

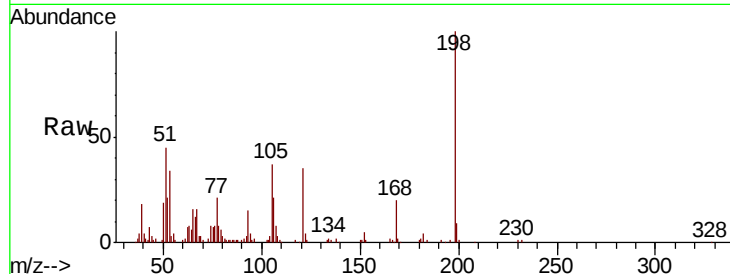




#65  
 4,6-Dinitro-2-methylphenol  
 Concen: 41.079 ng  
 RT: 15.91 min Scan# 2183  
 Delta R.T. -0.01 min  
 Lab File: BG039575.D  
 Acq: 21 Feb 2019 17:31

Instrument :  
 BNA\_G  
 ClientSampleId :  
 OR-02-021919-AMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 198     | 100   |       |       |
| 51      | 44.7  | 27.4  | 67.4  |
| 105     | 37.4  | 19.7  | 59.7  |

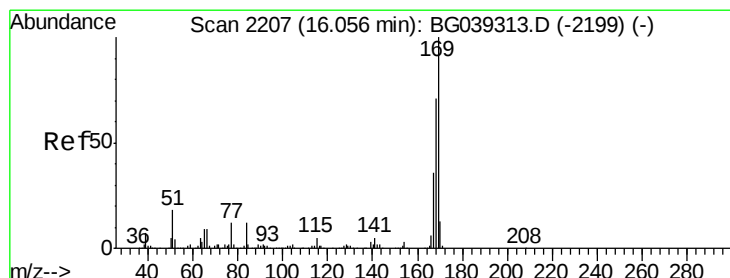
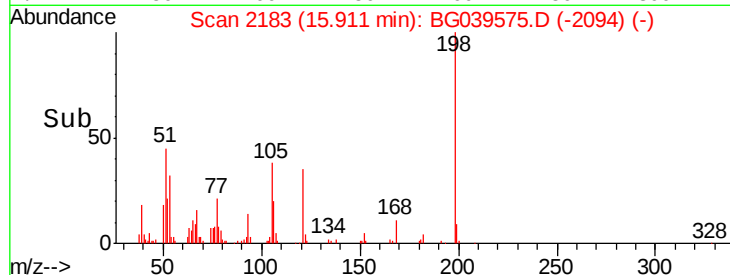
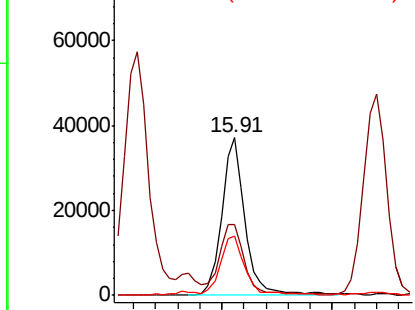


Abundance

Ion 198.00 (197.70 to 198.70): E

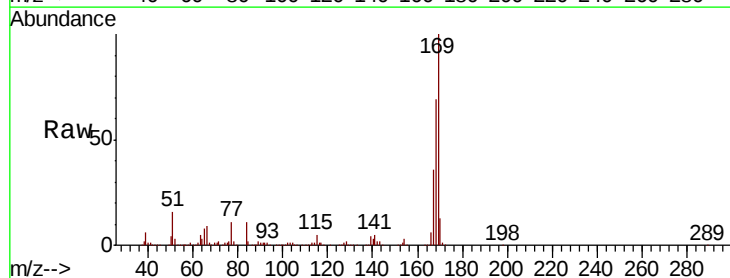
Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#66  
 n-Nitrosodiphenylamine  
 Concen: 40.848 ng  
 RT: 16.04 min Scan# 2205  
 Delta R.T. -0.02 min  
 Lab File: BG039575.D  
 Acq: 21 Feb 2019 17:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 169     | 100   |       |       |
| 168     | 69.1  | 56.6  | 85.0  |
| 167     | 36.0  | 28.8  | 43.2  |

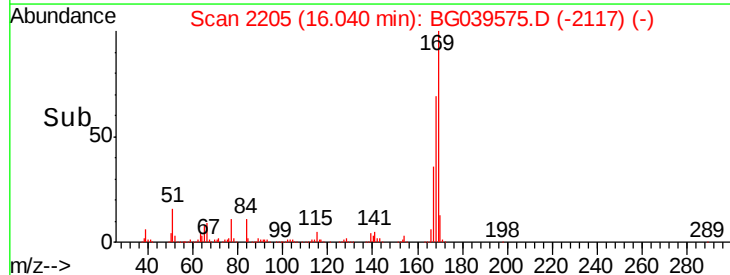
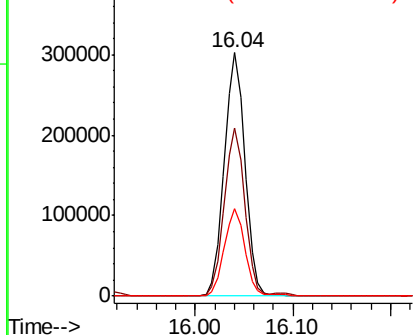


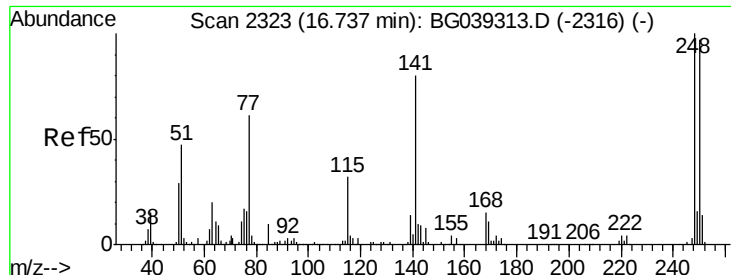
Abundance

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

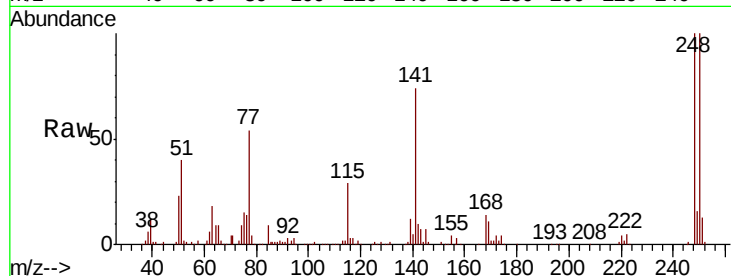




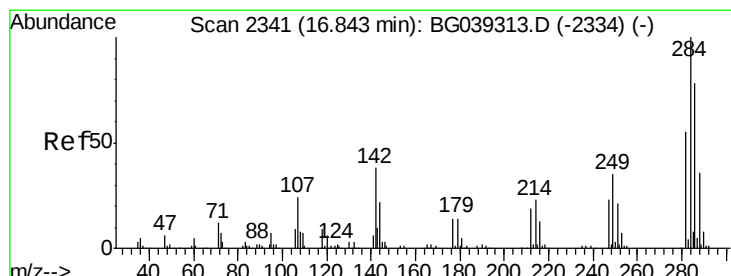
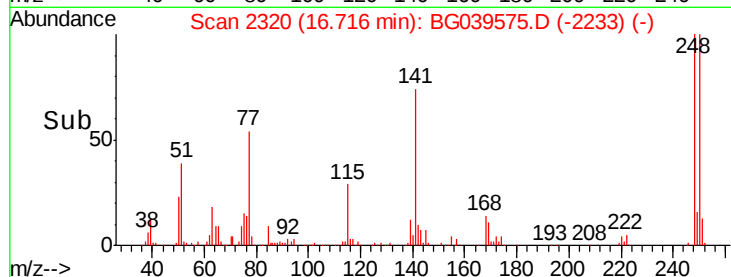
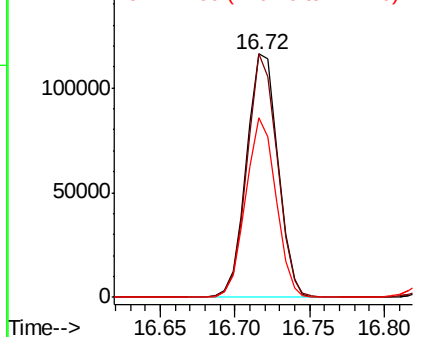
#67  
4-Bromophenyl-phenylether  
Concen: 42.561 ng  
RT: 16.72 min Scan# 2320  
Delta R.T. -0.02 min  
Lab File: BG039575.D  
Acq: 21 Feb 2019 17:31

Instrument :  
BNA\_G  
ClientSampleId :  
OR-02-021919-AMS

Tot Ion:248 Resp: 169371  
Ion Ratio Lower Upper  
248 100  
250 99.8 77.6 116.4  
141 73.7 63.9 95.9

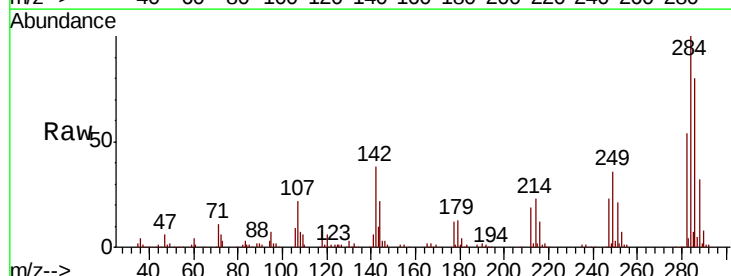


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

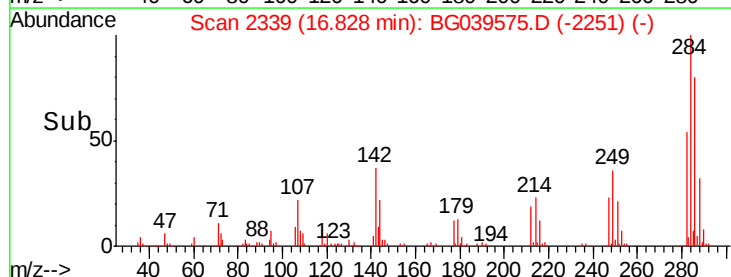
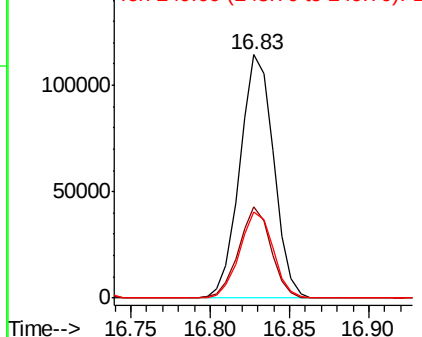


#68  
Hexachlorobenzene  
Concen: 42.322 ng  
RT: 16.83 min Scan# 2339  
Delta R.T. -0.02 min  
Lab File: BG039575.D  
Acq: 21 Feb 2019 17:31

Tgt Ion:284 Resp: 168979  
Ion Ratio Lower Upper  
284 100  
142 37.6 30.6 45.8  
249 35.5 28.2 42.2



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





#69

Atrazine

Concen: 40.789 ng

RT: 16.98 min Scan# 2365

Delta R.T. -0.02 min

Lab File: BG039575.D

Acq: 21 Feb 2019 17:31

Instrument :

BNA\_G

ClientSampleId :

OR-02-021919-AMS

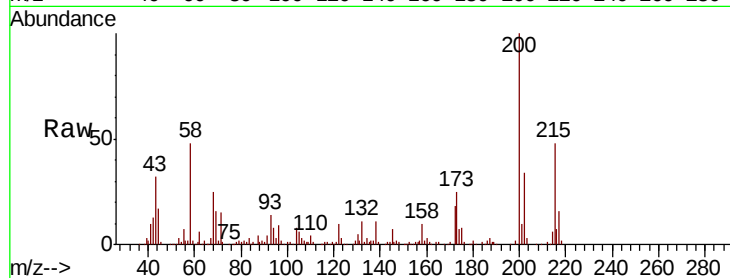
Tot Ion:200 Resp: 162583

Ion Ratio Lower Upper

200 100

173 25.4 3.9 43.9

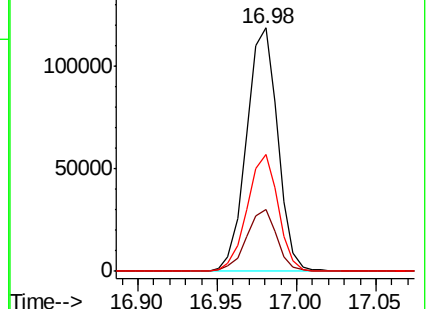
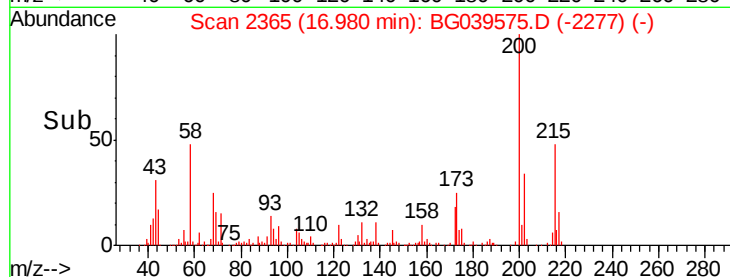
215 48.1 30.9 70.9



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: 57.135 ng

RT: 17.18 min Scan# 2399

Delta R.T. -0.01 min

Lab File: BG039575.D

Acq: 21 Feb 2019 17:31

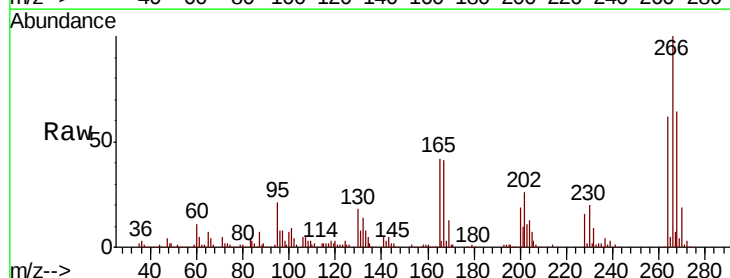
Tgt Ion:266 Resp: 158547

Ion Ratio Lower Upper

266 100

268 64.4 51.1 76.7

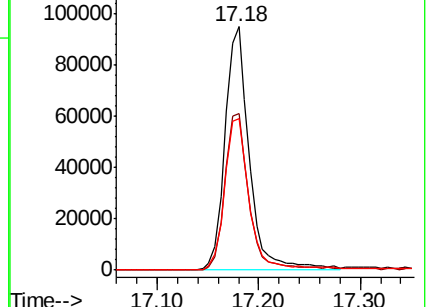
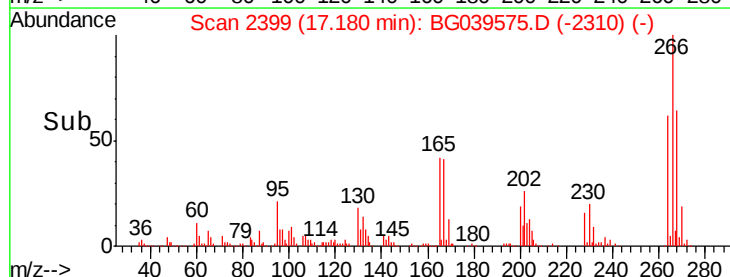
264 62.0 52.1 78.1



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

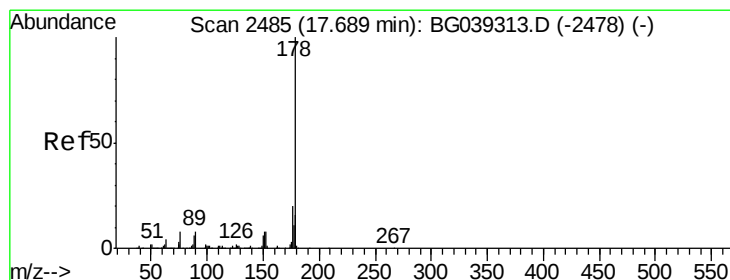
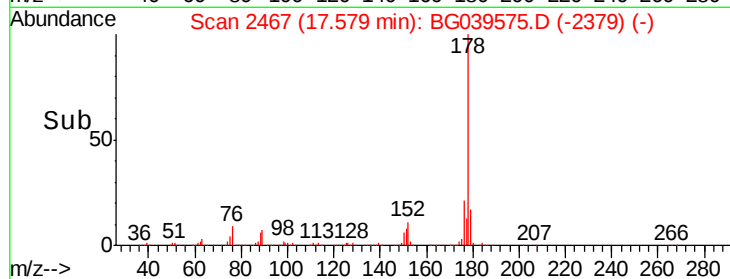
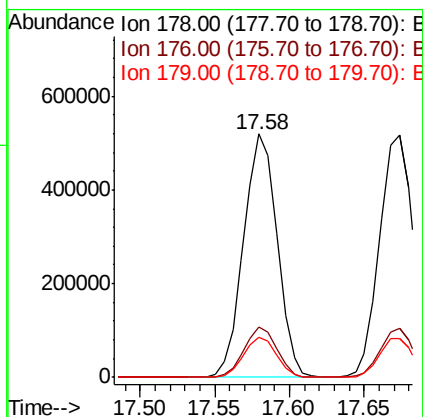
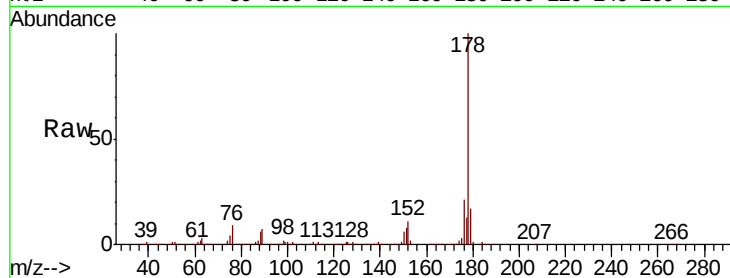




#71  
Phenanthrene  
Concen: 43.519 ng  
RT: 17.58 min Scan# 2467  
Delta R.T. -0.02 min  
Lab File: BG039575.D  
Acq: 21 Feb 2019 17:31

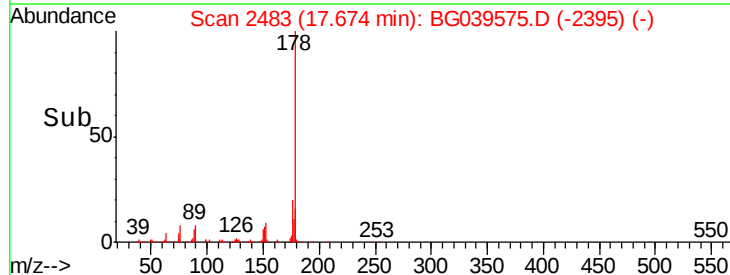
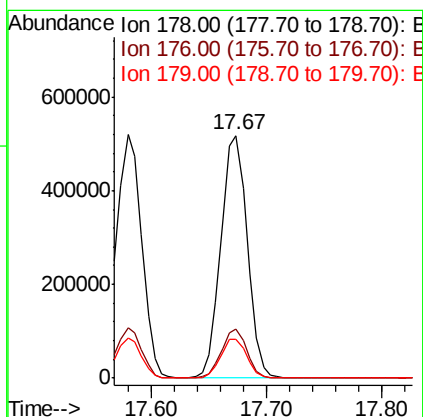
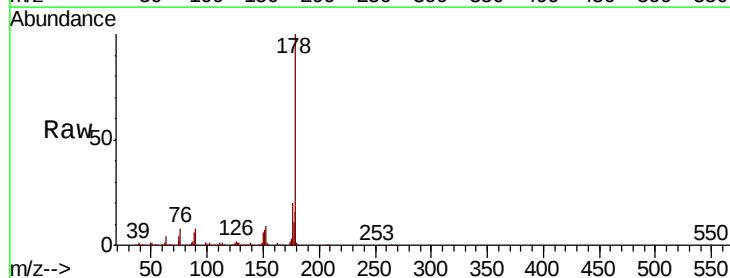
Instrument :  
BNA\_G  
ClientSampleId :  
OR-02-021919-AMS

Tot Ion:178 Resp: 807967  
Ion Ratio Lower Upper  
178 100  
176 20.7 16.2 24.4  
179 16.6 12.6 19.0



#72  
Anthracene  
Concen: 44.839 ng  
RT: 17.67 min Scan# 2483  
Delta R.T. -0.02 min  
Lab File: BG039575.D  
Acq: 21 Feb 2019 17:31

Tgt Ion:178 Resp: 819993  
Ion Ratio Lower Upper  
178 100  
176 20.3 15.8 23.6  
179 15.9 12.5 18.7





#73

Carbazole

Concen: 39.458 ng

RT: 17.94 min Scan# 2529

Delta R.T. -0.02 min

Lab File: BG039575.D

Acq: 21 Feb 2019 17:31

Instrument :

BNA\_G

ClientSampleId :

OR-02-021919-AMS

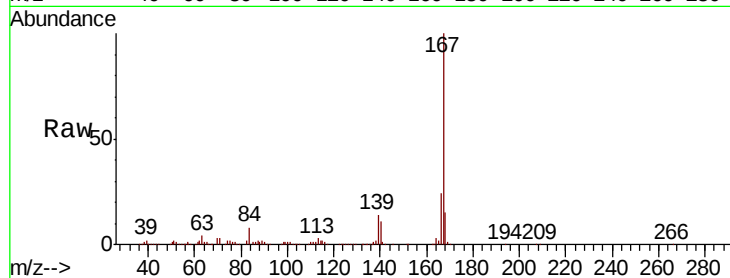
Tot Ion:167 Resp: 720142

Ion Ratio Lower Upper

167 100

166 24.1 19.4 29.2

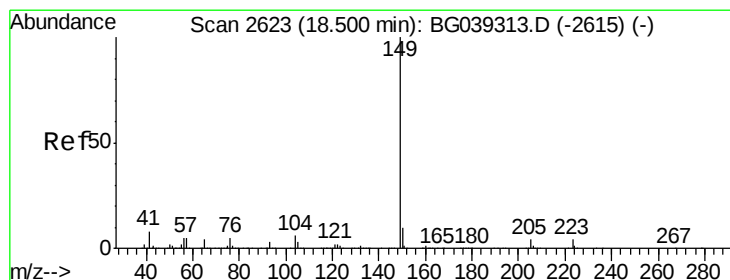
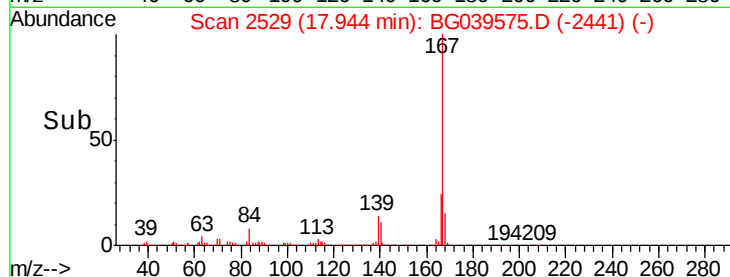
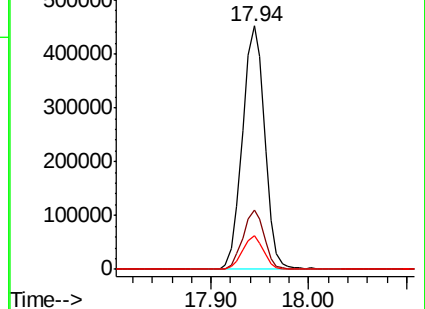
139 14.0 10.8 16.2



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: 41.122 ng

RT: 18.47 min Scan# 2619

Delta R.T. -0.03 min

Lab File: BG039575.D

Acq: 21 Feb 2019 17:31

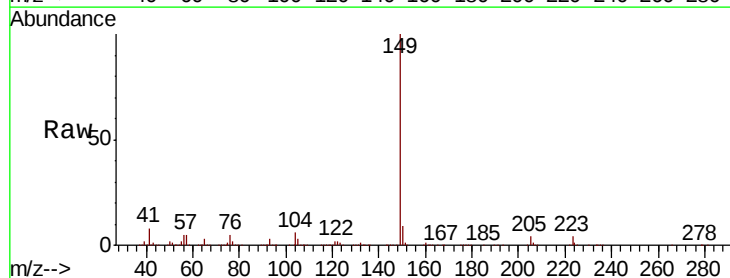
Tgt Ion:149 Resp: 875572

Ion Ratio Lower Upper

149 100

150 9.4 7.7 11.5

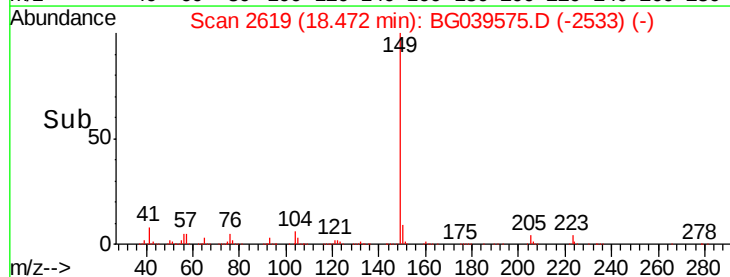
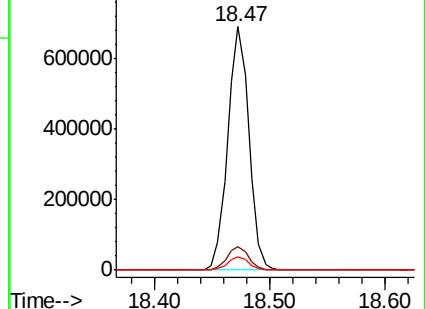
104 5.5 4.5 6.7

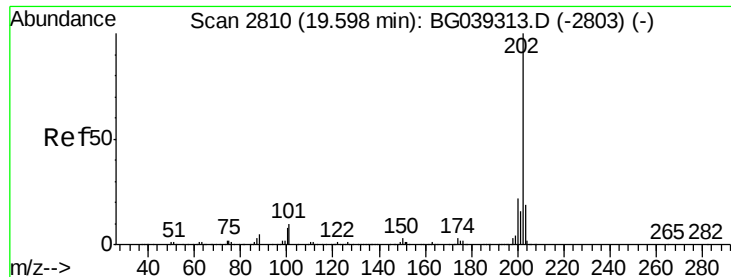


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 44.210 ng

RT: 19.58 min Scan# 2808

Delta R.T. -0.02 min

Lab File: BG039575.D

Acq: 21 Feb 2019 17:31

Instrument :

BNA\_G

ClientSampleId :

OR-02-021919-AMS

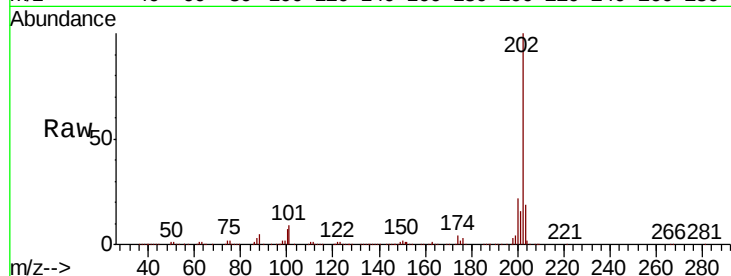
Tot Ion:202 Resp: 952692

Ion Ratio Lower Upper

202 100

101 9.2 0.0 30.0

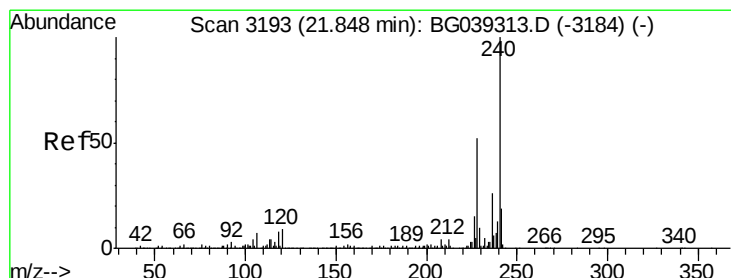
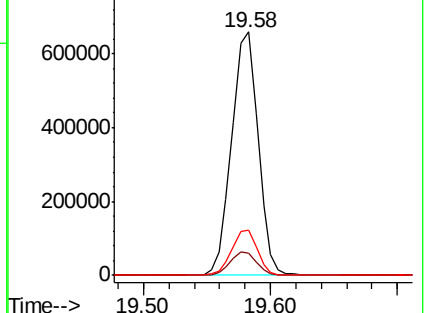
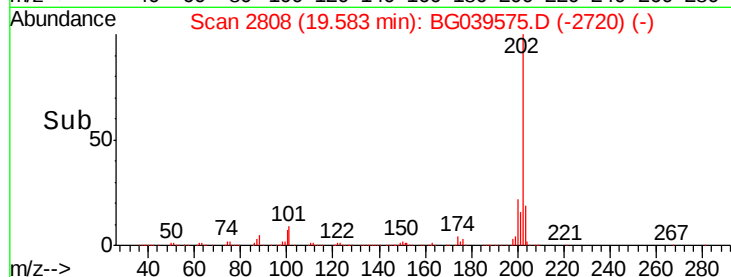
203 18.5 0.0 38.9



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: 21.83 min Scan# 3190

Delta R.T. -0.02 min

Lab File: BG039575.D

Acq: 21 Feb 2019 17:31

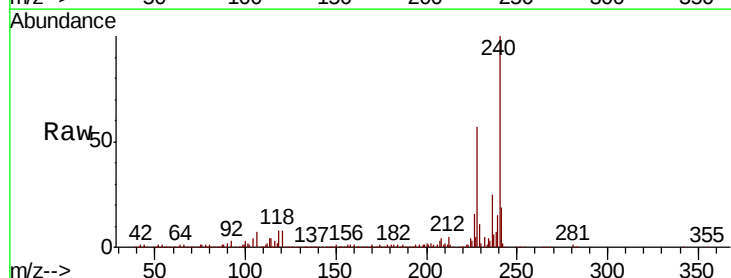
Tgt Ion:240 Resp: 358285

Ion Ratio Lower Upper

240 100

120 8.1 7.0 10.6

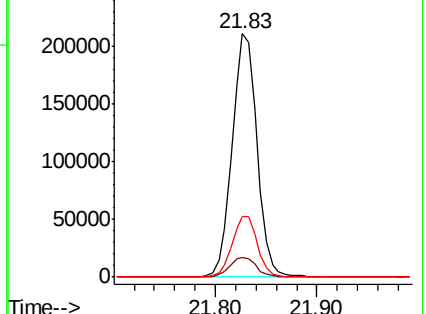
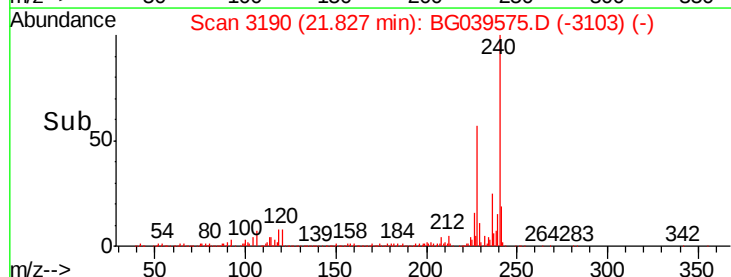
236 25.1 21.0 31.4

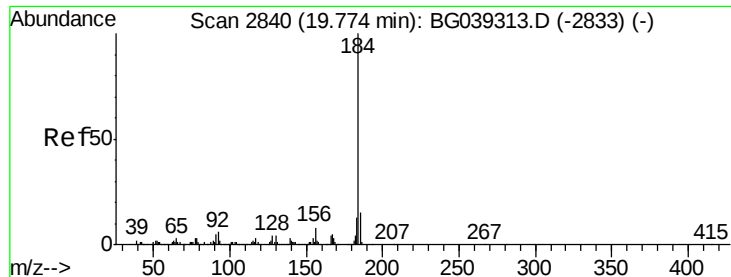


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 8.858 ng

RT: 19.76 min Scan# 2838

Delta R.T. -0.02 min

Lab File: BG039575.D

Acq: 21 Feb 2019 17:31

Instrument :

BNA\_G

ClientSampleId :

OR-02-021919-AMS

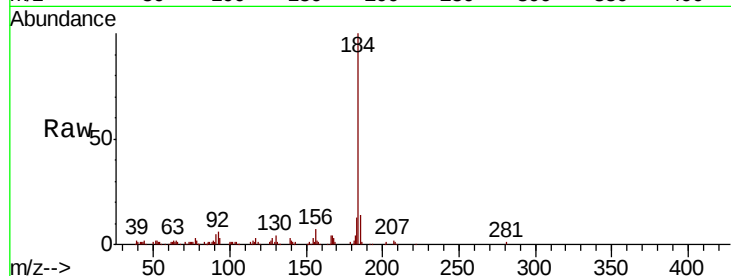
Tot Ion:184 Resp: 104050

Ion Ratio Lower Upper

184 100

185 14.5 12.2 18.2

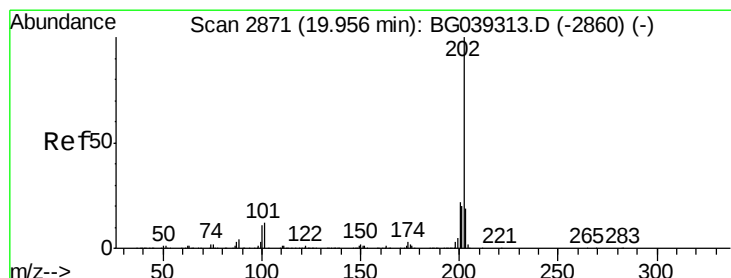
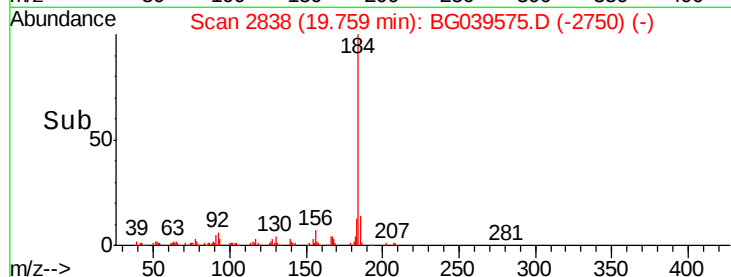
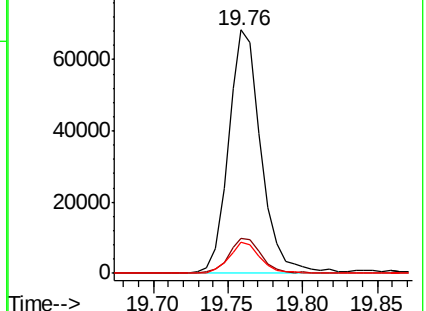
183 13.1 10.6 15.8



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: 43.092 ng

RT: 19.94 min Scan# 2869

Delta R.T. -0.02 min

Lab File: BG039575.D

Acq: 21 Feb 2019 17:31

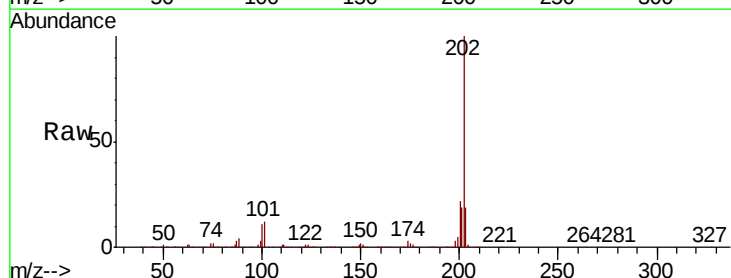
Tgt Ion:202 Resp: 961135

Ion Ratio Lower Upper

202 100

200 22.3 17.8 26.8

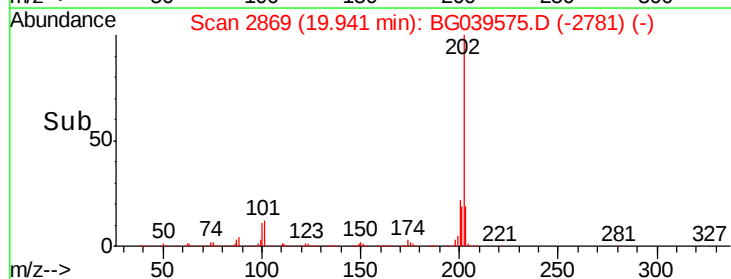
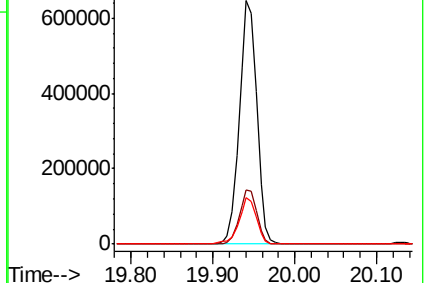
203 19.2 15.3 22.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 82.233 ng

RT: 20.13 min Scan# 2901

Delta R.T. -0.02 min

Lab File: BG039575.D

Acq: 21 Feb 2019 17:31

Instrument :

BNA\_G

ClientSampleId :

OR-02-021919-AMS

Tot Ion:244 Resp: 1391924

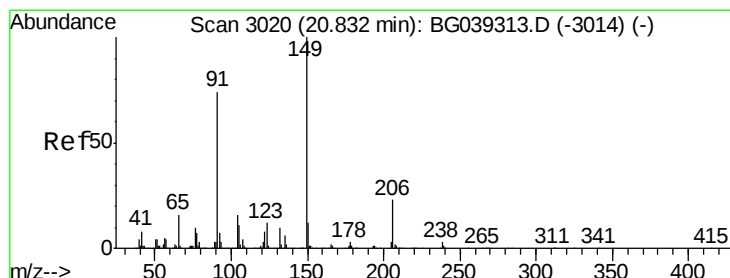
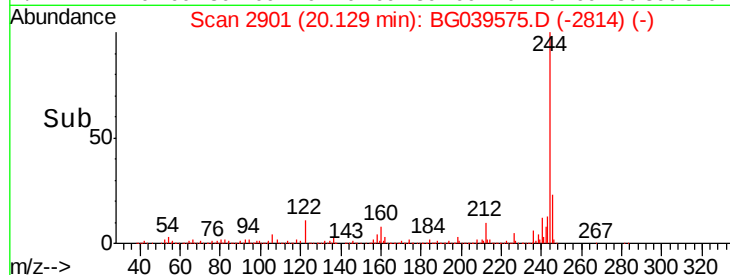
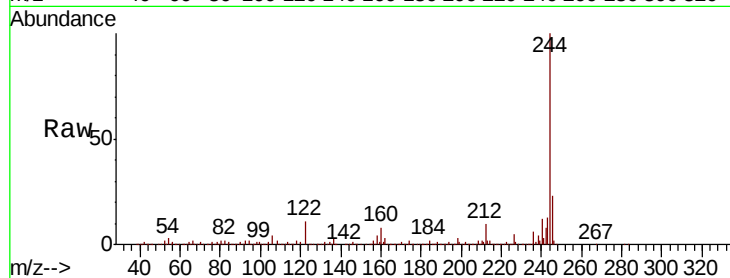
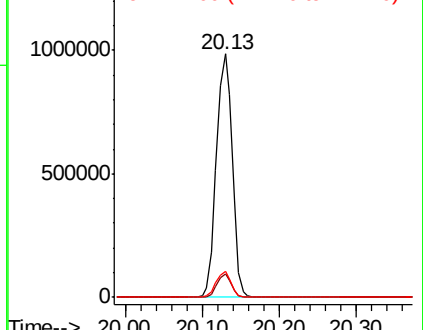
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 9.7   | 7.3   | 10.9  |
| 122 | 10.5  | 8.4   | 12.6  |

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: 43.072 ng

RT: 20.81 min Scan# 3017

Delta R.T. -0.02 min

Lab File: BG039575.D

Acq: 21 Feb 2019 17:31

Tgt Ion:149 Resp: 405257

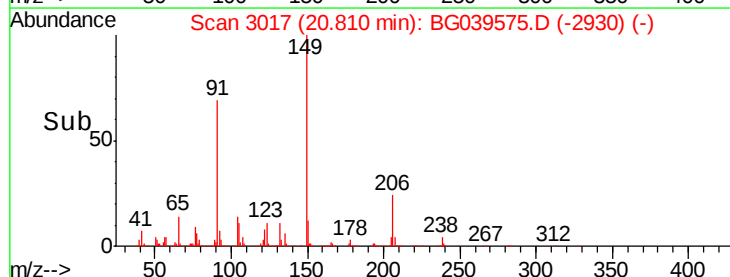
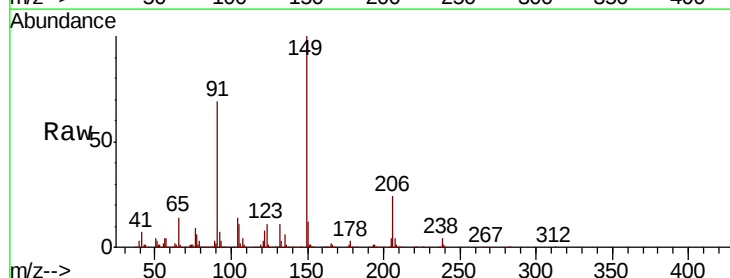
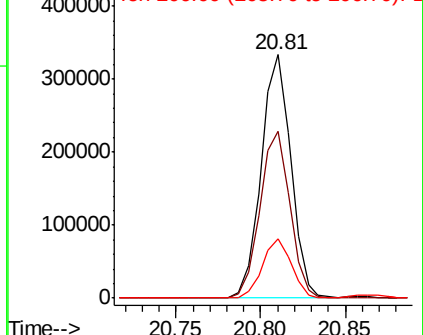
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 91  | 68.7  | 59.5  | 89.3  |
| 206 | 24.1  | 18.6  | 27.8  |

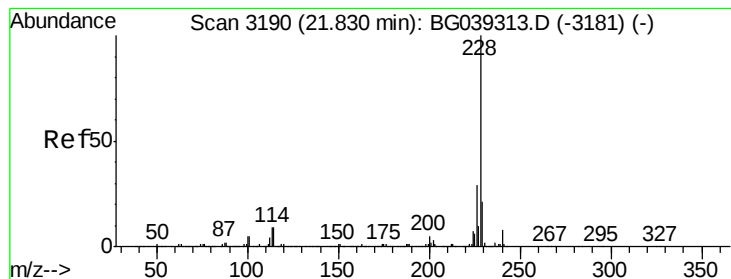
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 44.151 ng

RT: 21.81 min Scan# 3187

Delta R.T. -0.02 min

Lab File: BG039575.D

Acq: 21 Feb 2019 17:31

Instrument :

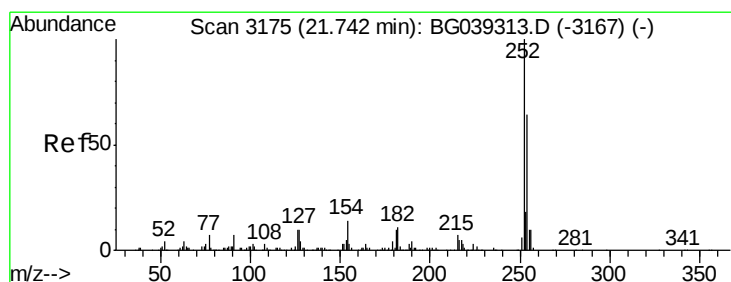
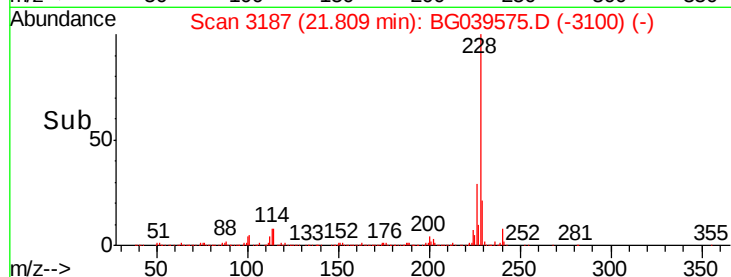
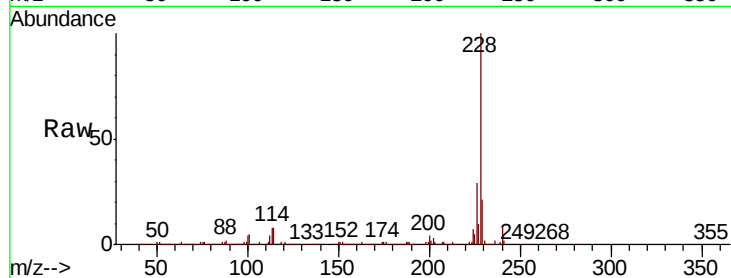
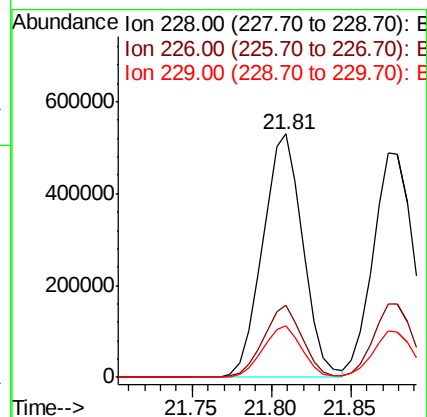
BNA\_G

ClientSampleId :

OR-02-021919-AMS

Tot Ion:228 Resp: 934713

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 29.5  | 23.0  | 34.6  |
| 229 | 20.9  | 16.9  | 25.3  |



#82

3,3'-Dichlorobenzidine

Concen: 10.587 ng

RT: 21.72 min Scan# 3172

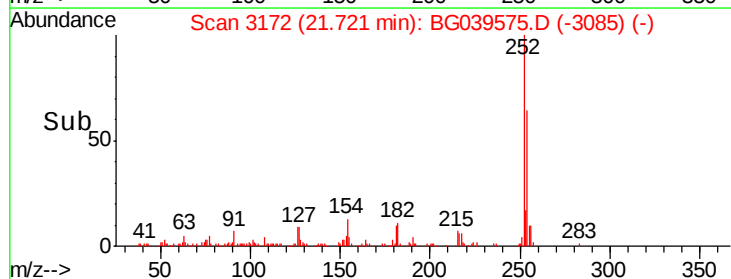
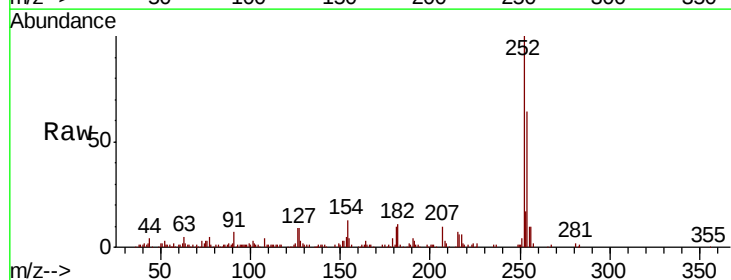
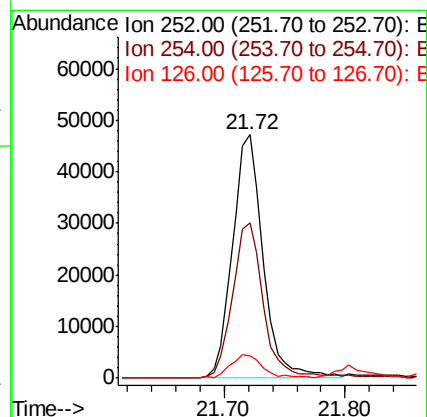
Delta R.T. -0.02 min

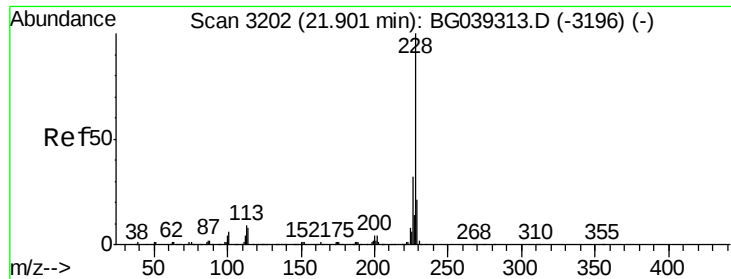
Lab File: BG039575.D

Acq: 21 Feb 2019 17:31

Tgt Ion:252 Resp: 83105

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 254 | 63.6  | 51.3  | 76.9  |
| 126 | 9.0   | 8.0   | 12.0  |





#83

Chrysene

Concen: 43.203 ng

RT: 21.87 min Scan# 3198

Delta R.T. -0.03 min

Lab File: BG039575.D

Acq: 21 Feb 2019 17:31

Instrument :

BNA\_G

ClientSampleId :

OR-02-021919-AMS

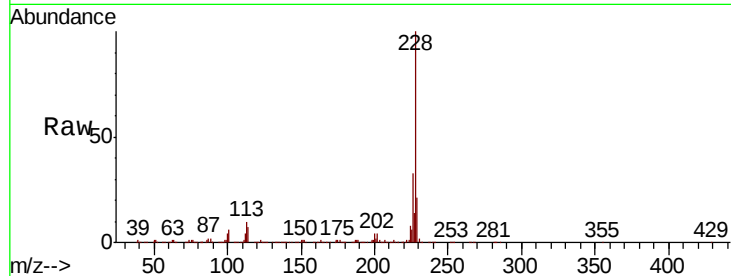
Tot Ion:228 Resp: 870684

Ion Ratio Lower Upper

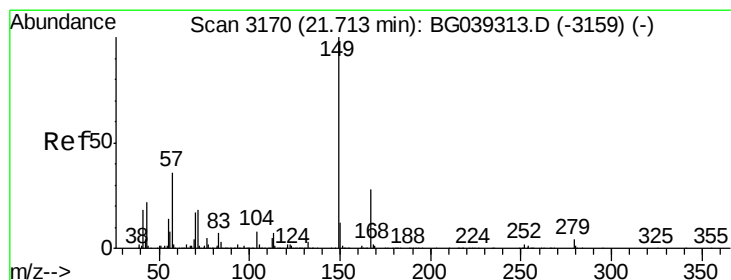
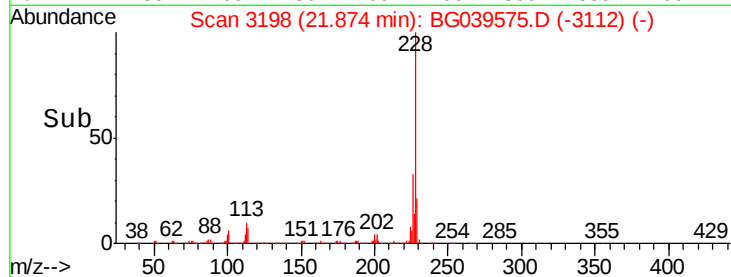
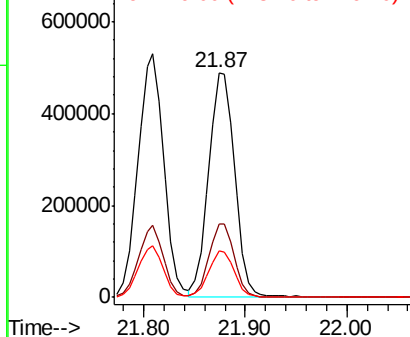
228 100

226 32.8 25.8 38.6

229 20.7 16.6 25.0



Abundance Ion 228.00 (227.70 to 228.70): E  
Ion 226.00 (225.70 to 226.70): E  
Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 40.869 ng

RT: 21.67 min Scan# 3164

Delta R.T. -0.04 min

Lab File: BG039575.D

Acq: 21 Feb 2019 17:31

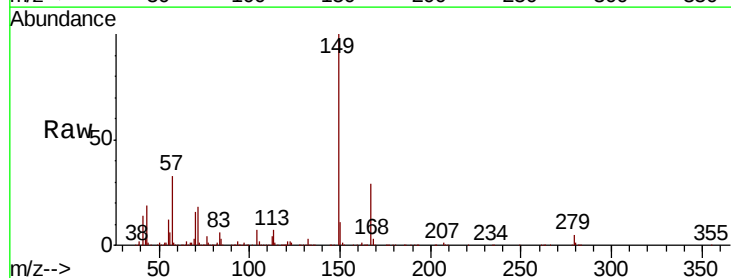
Tgt Ion:149 Resp: 548579

Ion Ratio Lower Upper

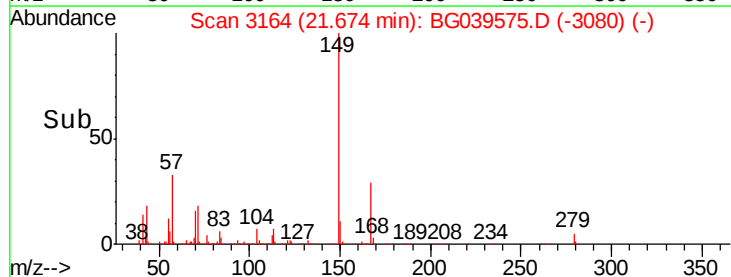
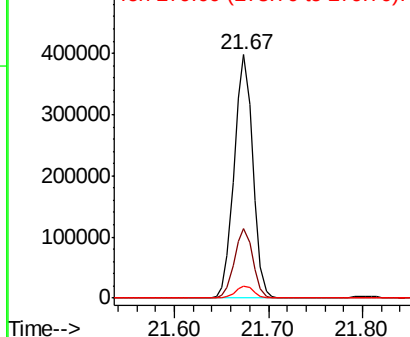
149 100

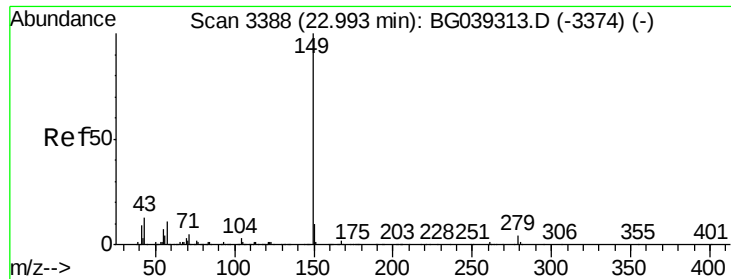
167 28.6 22.6 34.0

279 4.9 3.5 5.3



Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 167.00 (166.70 to 167.70): E  
Ion 279.00 (278.70 to 279.70): E

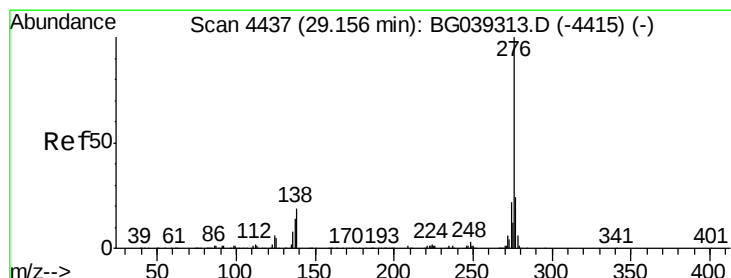
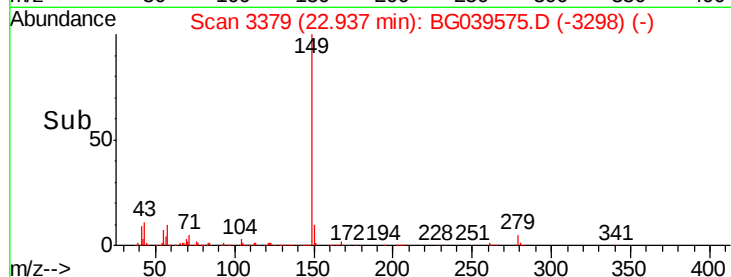
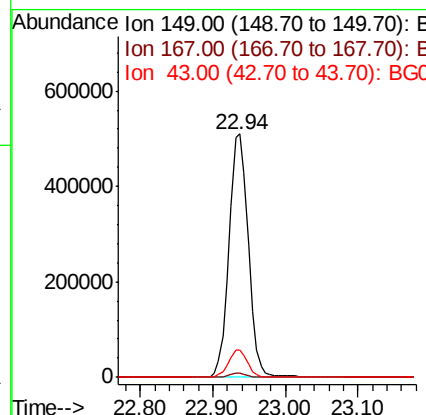
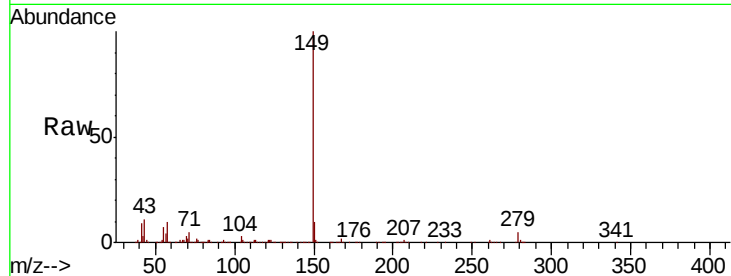




#85  
Di-n-octyl phthalate  
Concen: 42.470 ng  
RT: 22.94 min Scan# 3379  
Delta R.T. -0.06 min  
Lab File: BG039575.D  
Acq: 21 Feb 2019 17:31

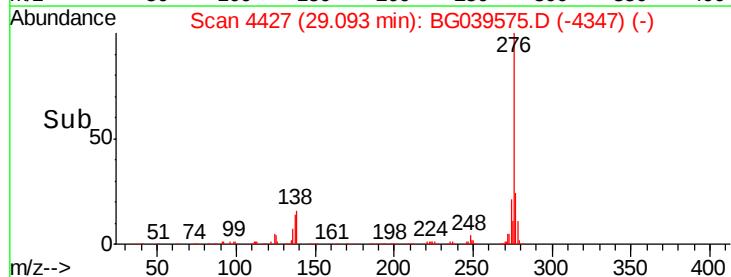
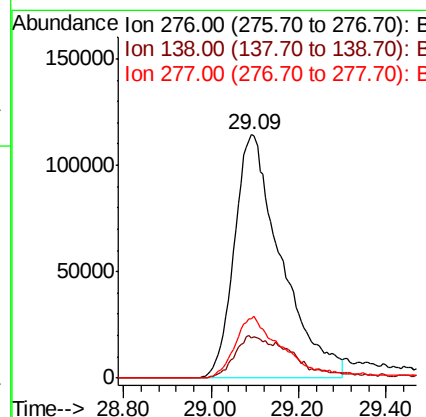
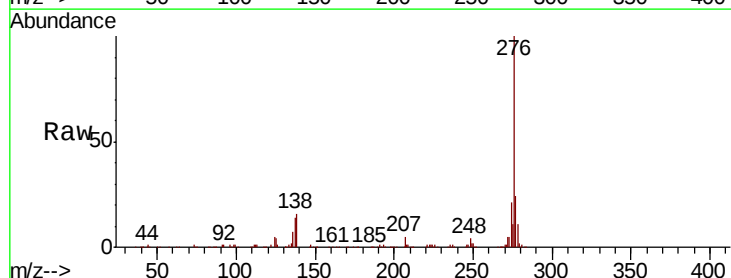
Instrument :  
BNA\_G  
ClientSampleId :  
OR-02-021919-AMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 1.7   | 1.3   | 1.9   |
| 43      | 10.8  | 10.2  | 15.4  |



#86  
Indeno(1,2,3-cd)pyrene  
Concen: 38.623 ng  
RT: 29.09 min Scan# 4427  
Delta R.T. -0.06 min  
Lab File: BG039575.D  
Acq: 21 Feb 2019 17:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 12.5  | 12.6  | 19.0# |
| 277     | 25.8  | 20.8  | 31.2  |

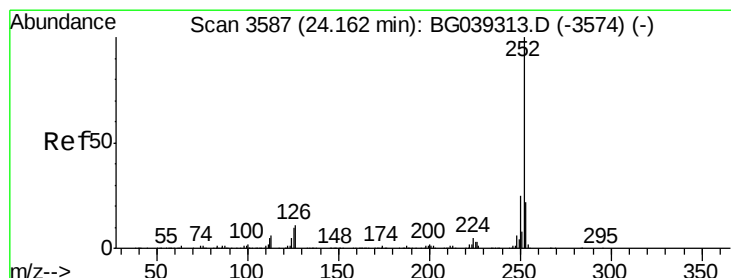
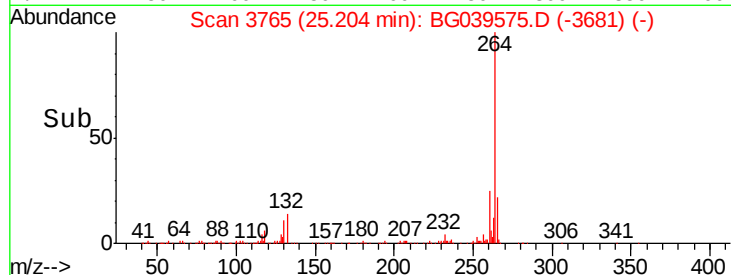
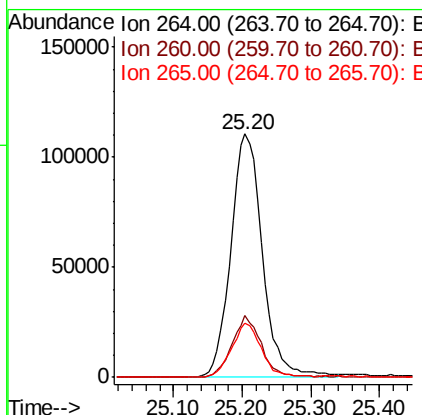
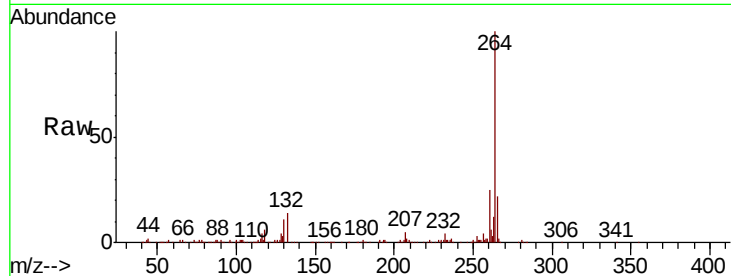




#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 25.20 min Scan# 3765  
Delta R.T. -0.04 min  
Lab File: BG039575.D  
Acq: 21 Feb 2019 17:31

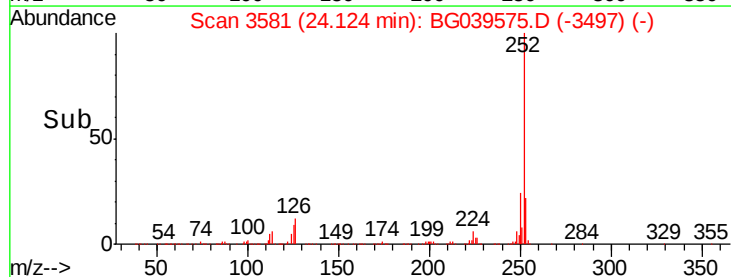
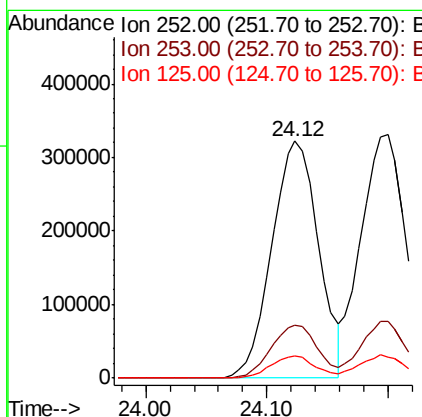
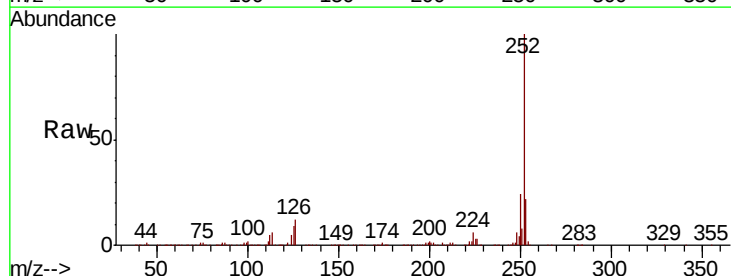
Instrument :  
BNA\_G  
ClientSampleId :  
OR-02-021919-AMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 25.4  | 18.2  | 27.4  |
| 265     | 22.1  | 18.5  | 27.7  |



#88  
Benzo(b)fluoranthene  
Concen: 44.782 ng  
RT: 24.12 min Scan# 3581  
Delta R.T. -0.04 min  
Lab File: BG039575.D  
Acq: 21 Feb 2019 17:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.2  | 17.8  | 26.8  |
| 125     | 9.1   | 7.8   | 11.6  |





#89

Benzo(k)fluoranthene

Concen: 46.104 ng

RT: 24.20 min Scan# 3594

Delta R.T. -0.03 min

Lab File: BG039575.D

Acq: 21 Feb 2019 17:31

Instrument :

BNA\_G

ClientSampleId :

OR-02-021919-AMS

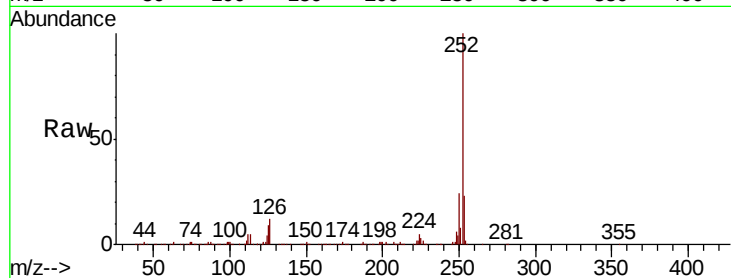
Tot Ion:252 Resp: 892928

Ion Ratio Lower Upper

252 100

253 23.1 18.2 27.2

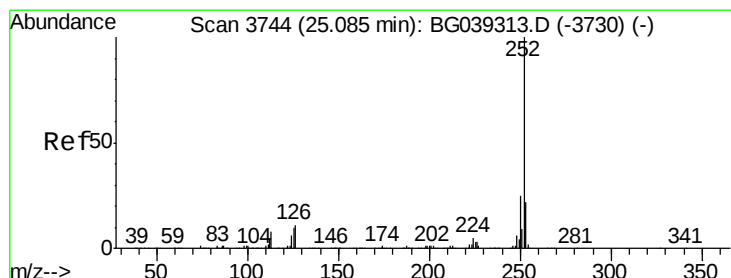
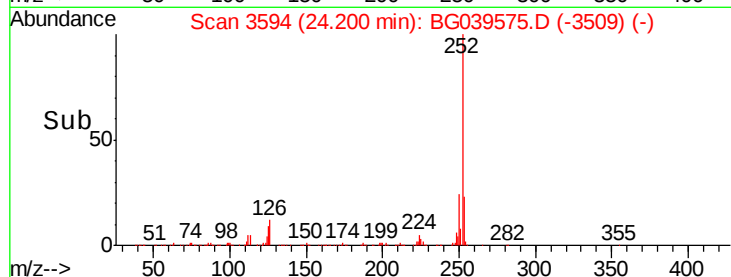
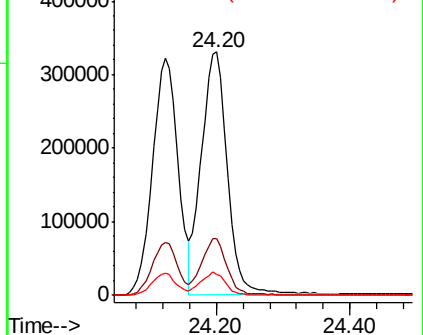
125 8.6 7.4 11.2



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 46.232 ng

RT: 25.05 min Scan# 3738

Delta R.T. -0.04 min

Lab File: BG039575.D

Acq: 21 Feb 2019 17:31

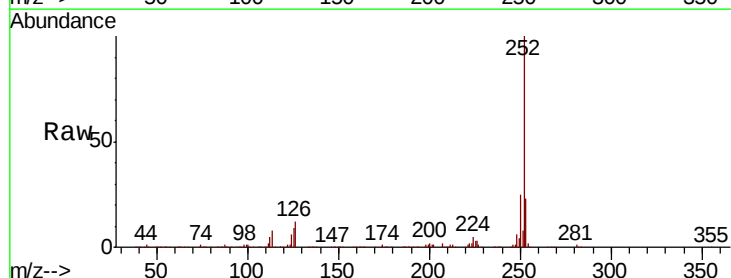
Tgt Ion:252 Resp: 858915

Ion Ratio Lower Upper

252 100

253 23.0 17.9 26.9

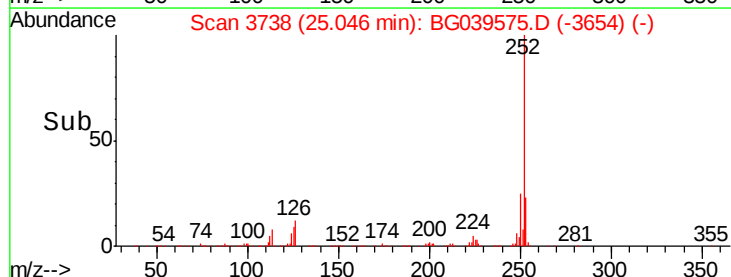
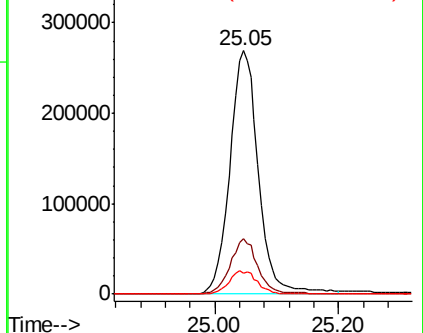
125 8.7 8.3 12.5

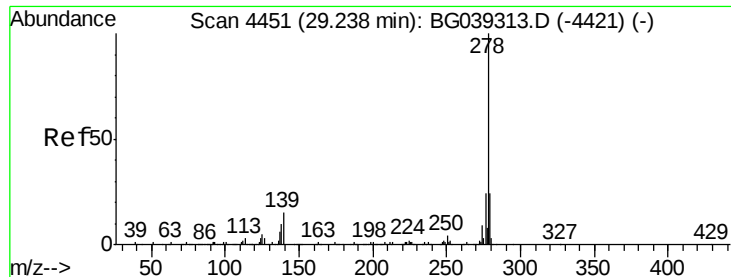


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 37.176 ng

RT: 29.16 min Scan# 4438

Delta R.T. -0.08 min

Lab File: BG039575.D

Acq: 21 Feb 2019 17:31

Instrument :

BNA\_G

ClientSampleId :

OR-02-021919-AMS

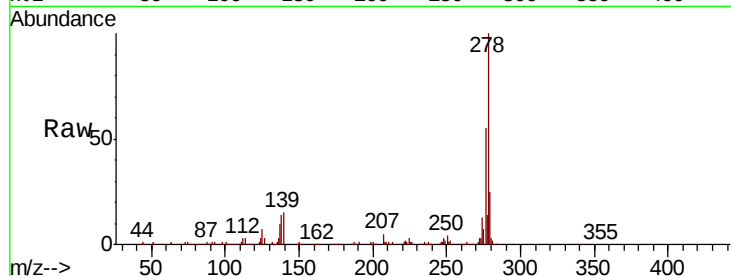
Tot Ion:278 Resp: 646812

Ion Ratio Lower Upper

278 100

139 14.7 11.7 17.5

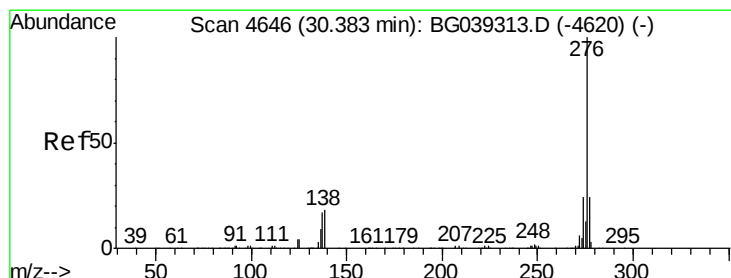
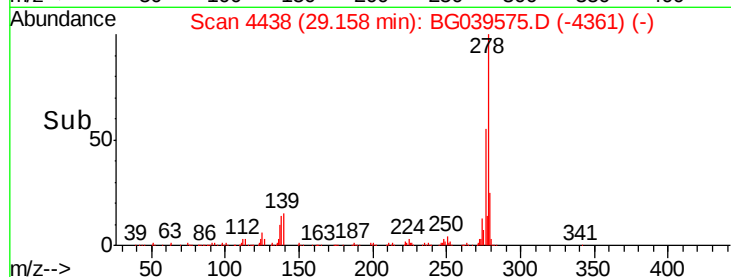
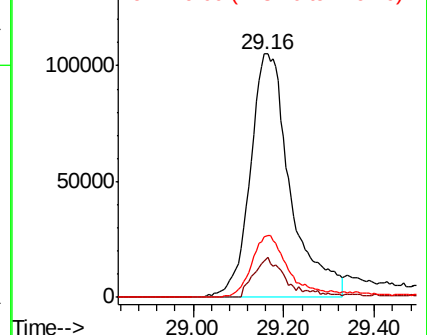
279 24.8 19.1 28.7



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: 38.787 ng

RT: 30.32 min Scan# 4636

Delta R.T. -0.06 min

Lab File: BG039575.D

Acq: 21 Feb 2019 17:31

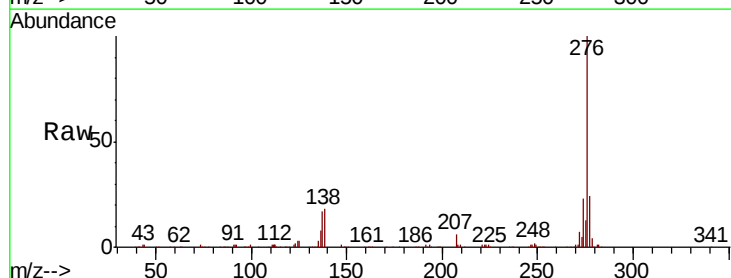
Tgt Ion:276 Resp: 672645

Ion Ratio Lower Upper

276 100

277 23.6 19.6 29.4

138 18.0 14.7 22.1



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

