

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090619\  
 Data File : BG042751.D  
 Acq On : 6 Sep 2019 16:55  
 Operator : HP/JU  
 Sample : PB122813BS  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB122813BS

Manual Integrations  
 APPROVED

mohammad  
 9/10/2019 9:59:45 AM

Quant Time: Sep 06 17:59:29 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082219.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 22 14:29:15 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.99  | 152  | 27011    | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8        | 10.82 | 136  | 124184   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 14.66 | 164  | 103985   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 17.41 | 188  | 263930   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.69 | 240  | 216000   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 24.93 | 264  | 205645   | 20.00 | ng    | -0.01    |

## System Monitoring Compounds

|                          |       |     |        |        |    |       |
|--------------------------|-------|-----|--------|--------|----|-------|
| 5) 2-Fluorophenol        | 5.56  | 112 | 181371 | 135.99 | ng | 0.00  |
| 7) Phenol-d6             | 7.17  | 99  | 235461 | 130.70 | ng | 0.00  |
| 23) Nitrobenzene-d5      | 9.16  | 82  | 121168 | 67.43  | ng | -0.01 |
| 42) 2,4,6-Tribromophenol | 16.16 | 330 | 193198 | 130.72 | ng | 0.00  |
| 45) 2-Fluorobiphenyl     | 13.28 | 172 | 438244 | 71.28  | ng | 0.00  |
| 79) Terphenyl-d14        | 20.02 | 244 | 873655 | 87.44  | ng | 0.00  |

## Target Compounds

|                                |       |     |        |        |    | Qvalue |
|--------------------------------|-------|-----|--------|--------|----|--------|
| 2) 1,4-Dioxane                 | 3.41  | 88  | 17667  | 31.743 | ng | 97     |
| 3) Pyridine                    | 3.81  | 79  | 39418  | 27.620 | ng | 91     |
| 4) n-Nitrosodimethylamine      | 3.73  | 42  | 22632  | 44.399 | ng | # 88   |
| 6) Aniline                     | 7.31  | 93  | 79455  | 33.067 | ng | 99     |
| 8) 2-Chlorophenol              | 7.56  | 128 | 84064  | 52.009 | ng | 98     |
| 9) Benzaldehyde                | 7.12  | 77  | 29940  | 33.196 | ng | 97     |
| 10) Phenol                     | 7.19  | 94  | 92602  | 50.556 | ng | 93     |
| 11) bis(2-Chloroethyl)ether    | 7.41  | 93  | 61069  | 42.453 | ng | 99     |
| 12) 1,3-Dichlorobenzene        | 7.88  | 146 | 83689  | 40.701 | ng | 98     |
| 13) 1,4-Dichlorobenzene        | 8.03  | 146 | 88118  | 42.308 | ng | 100    |
| 14) 1,2-Dichlorobenzene        | 8.35  | 146 | 84978  | 42.605 | ng | 98     |
| 15) Benzyl Alcohol             | 8.23  | 79  | 63744  | 49.182 | ng | 92     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.52  | 45  | 75876  | 38.916 | ng | 97     |
| 17) 2-Methylphenol             | 8.45  | 107 | 68917  | 51.083 | ng | 95     |
| 18) Hexachloroethane           | 9.08  | 117 | 28374  | 39.794 | ng | 90     |
| 19) n-Nitroso-di-n-propylamine | 8.80  | 70  | 50697  | 43.438 | ng | 92     |
| 20) 3+4-Methylphenols          | 8.78  | 107 | 93741  | 50.213 | ng | 96     |
| 22) Acetophenone               | 8.82  | 105 | 114748 | 43.202 | ng | # 98   |
| 24) Nitrobenzene               | 9.20  | 77  | 74792  | 41.100 | ng | 98     |
| 25) Isophorone                 | 9.73  | 82  | 143748 | 40.532 | ng | 98     |
| 26) 2-Nitrophenol              | 9.93  | 139 | 51464  | 45.128 | ng | 97     |
| 27) 2,4-Dimethylphenol         | 9.99  | 122 | 84035  | 53.495 | ng | 98     |
| 28) bis(2-Chloroethoxy)methane | 10.21 | 93  | 87838  | 39.296 | ng | 97     |
| 29) 2,4-Dichlorophenol         | 10.47 | 162 | 102945 | 50.088 | ng | 100    |
| 30) 1,2,4-Trichlorobenzene     | 10.68 | 180 | 108334 | 42.943 | ng | 97     |
| 31) Naphthalene                | 10.87 | 128 | 247661 | 42.955 | ng | 99     |
| 32) Benzoic acid               | 10.17 | 122 | 33121  | 32.277 | ng | 94     |
| 33) 4-Chloroaniline            | 10.98 | 127 | 70889  | 26.635 | ng | 97     |
| 34) Hexachlorobutadiene        | 11.16 | 225 | 72160  | 42.561 | ng | 96     |
| 35) Caprolactam                | 11.76 | 113 | 31461m | 45.875 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 12.11 | 107 | 96158  | 49.285 | ng | 97     |
| 37) 2-Methylnaphthalene        | 12.48 | 142 | 213522 | 46.122 | ng | 100    |
| 38) 1-Methylnaphthalene        | 12.70 | 142 | 197637 | 44.944 | ng | 100    |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.85 | 216 | 148121 | 44.356 | ng | 99     |

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 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082219.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 22 14:29:15 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 12.83 | 237  | 93534    | 53.323 | nq    | 98       |
| 43) 2,4,6-Trichlorophenol      | 13.09 | 196  | 99208    | 43.952 | nq    | 99       |
| 44) 2,4,5-Trichlorophenol      | 13.17 | 196  | 106362   | 45.472 | nq    | 96       |
| 46) 1,1'-Biphenyl              | 13.49 | 154  | 290264   | 43.183 | nq    | 97       |
| 47) 2-Chloronaphthalene        | 13.53 | 162  | 238393   | 41.132 | nq    | 99       |
| 48) 2-Nitroaniline             | 13.73 | 65   | 53789    | 38.486 | nq    | 98       |
| 49) Acenaphthylene             | 14.38 | 152  | 379648   | 43.539 | nq    | 99       |
| 50) Dimethylphthalate          | 14.11 | 163  | 327507   | 43.651 | nq    | 99       |
| 51) 2,6-Dinitrotoluene         | 14.23 | 165  | 78318    | 45.033 | nq    | 98       |
| 52) Acenaphthene               | 14.72 | 154  | 222368   | 41.998 | nq    | 99       |
| 53) 3-Nitroaniline             | 14.56 | 138  | 52761    | 30.335 | nq    | 99       |
| 54) 2,4-Dinitrophenol          | 14.78 | 184  | 94079    | 80.230 | nq    | 99       |
| 55) Dibenzofuran               | 15.06 | 168  | 392760   | 44.814 | nq    | 99       |
| 56) 4-Nitrophenol              | 14.89 | 139  | 105352   | 85.244 | nq    | 94       |
| 57) 2,4-Dinitrotoluene         | 15.03 | 165  | 114329   | 45.908 | nq    | 98       |
| 58) Fluorene                   | 15.71 | 166  | 325385   | 45.417 | nq    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol  | 15.29 | 232  | 107785   | 46.597 | nq    | 95       |
| 60) Diethylphthalate           | 15.47 | 149  | 319972   | 43.626 | nq    | 99       |
| 61) 4-Chlorophenyl-phenylether | 15.70 | 204  | 195541   | 45.277 | nq    | 98       |
| 62) 4-Nitroaniline             | 15.74 | 138  | 78612    | 42.231 | nq    | 94       |
| 63) Azobenzene                 | 15.99 | 77   | 204630   | 40.716 | nq    | 96       |
| 65) 4,6-Dinitro-2-methylphenol | 15.80 | 198  | 78321    | 47.332 | nq    | 98       |
| 66) n-Nitrosodiphenylamine     | 15.91 | 169  | 303421   | 41.803 | nq    | 100      |
| 67) 4-Bromophenyl-phenylether  | 16.60 | 248  | 140417   | 41.943 | nq    | 96       |
| 68) Hexachlorobenzene          | 16.72 | 284  | 150247   | 41.285 | nq    | 99       |
| 69) Atrazine                   | 16.86 | 200  | 117165   | 45.647 | nq    | 98       |
| 70) Pentachlorophenol          | 17.07 | 266  | 160980   | 85.133 | nq    | 99       |
| 71) Phenanthrene               | 17.45 | 178  | 570890   | 43.547 | nq    | 99       |
| 72) Anthracene                 | 17.55 | 178  | 574904   | 43.928 | nq    | 99       |
| 73) Carbazole                  | 17.81 | 167  | 505032   | 43.298 | nq    | 99       |
| 74) Di-n-butylphthalate        | 18.37 | 149  | 584474   | 42.390 | nq    | 99       |
| 75) Fluoranthene               | 19.47 | 202  | 715133   | 44.697 | nq    | 97       |
| 77) Benzidine                  | 19.65 | 184  | 131702   | 21.267 | nq    | 98       |
| 78) Pyrene                     | 19.83 | 202  | 709667   | 53.589 | nq    | 98       |
| 80) Butylbenzylphthalate       | 20.71 | 149  | 201496   | 38.684 | nq    | 94       |
| 81) Benzo(a)anthracene         | 21.67 | 228  | 575492   | 43.798 | nq    | 97       |
| 82) 3,3'-Dichlorobenzidine     | 21.58 | 252  | 191293   | 36.199 | nq    | 98       |
| 83) Chrysene                   | 21.74 | 228  | 555781   | 43.859 | nq    | 98       |
| 84) Bis(2-ethylhexyl)phthalate | 21.57 | 149  | 280431   | 38.777 | nq    | 99       |
| 85) Di-n-octyl phthalate       | 22.78 | 149  | 499656   | 40.170 | nq    | 99       |
| 86) Indeno(1,2,3-cd)pyrene     | 28.65 | 276  | 719791   | 41.797 | nq    | # 97     |
| 88) Benzo(b)fluoranthene       | 23.90 | 252  | 613164   | 54.235 | nq    | # 97     |
| 89) Benzo(k)fluoranthene       | 23.98 | 252  | 615286   | 56.619 | nq    | # 98     |
| 90) Benzo(a)pyrene             | 24.79 | 252  | 608016   | 56.675 | nq    | # 98     |
| 91) Dibenzo(a,h)anthracene     | 28.71 | 278  | 606391   | 55.826 | nq    | 98       |
| 92) Benzo(g,h,i)perylene       | 29.81 | 276  | 604306   | 55.625 | nq    | # 95     |

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





#1

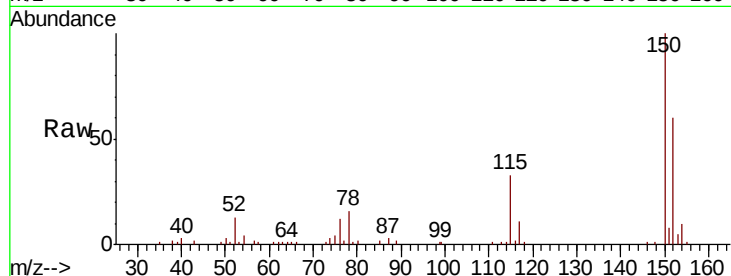
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.99 min Scan# 835  
Delta R.T. -0.01 min  
Lab File: BG042751.D  
Acq: 6 Sep 2019 16:55

Instrument :  
BNA\_G  
ClientSampleId :  
PB122813BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 167.5 | 125.4 | 188.0 |
| 115     | 54.5  | 38.5  | 57.7  |

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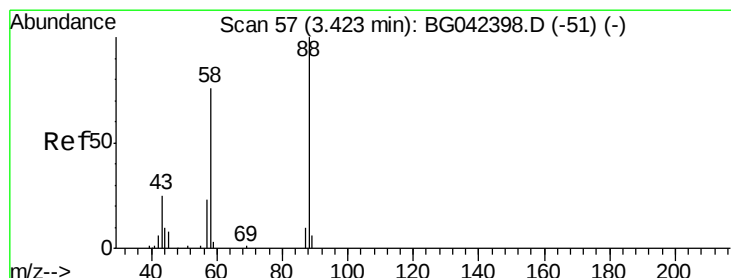
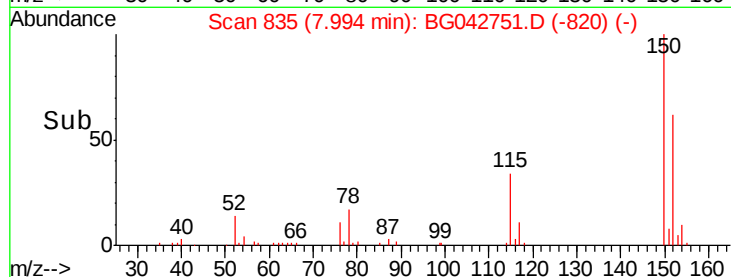
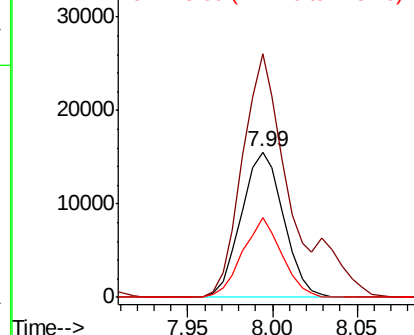


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

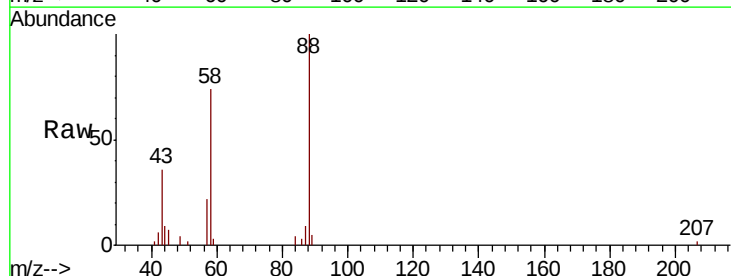
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane  
Concen: 31.743 ng  
RT: 3.41 min Scan# 54  
Delta R.T. -0.02 min  
Lab File: BG042751.D  
Acq: 6 Sep 2019 16:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 74.4  | 58.3  | 87.5  |
| 43      | 28.8  | 20.2  | 30.2  |

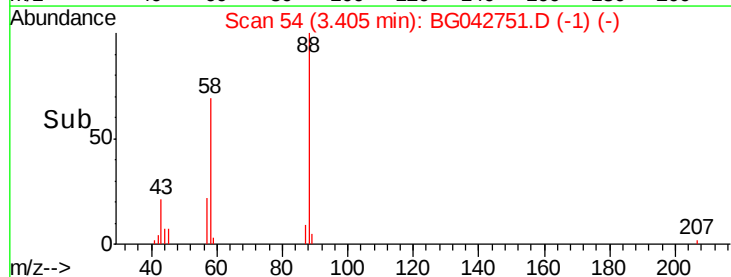
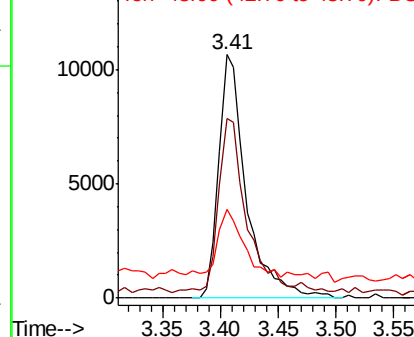


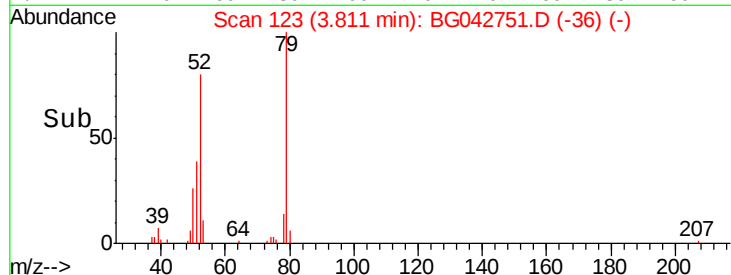
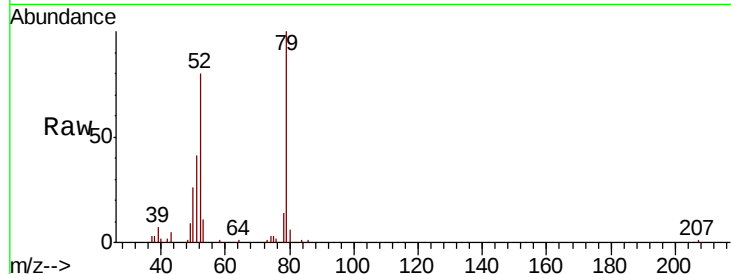
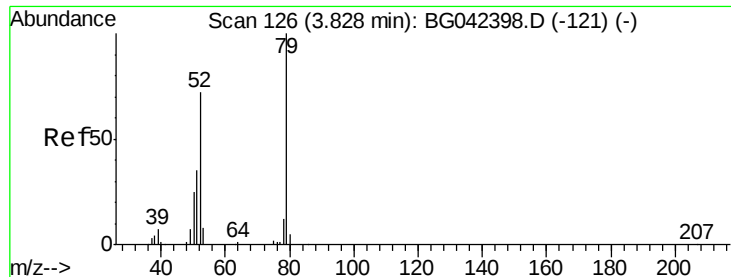
Abundance

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





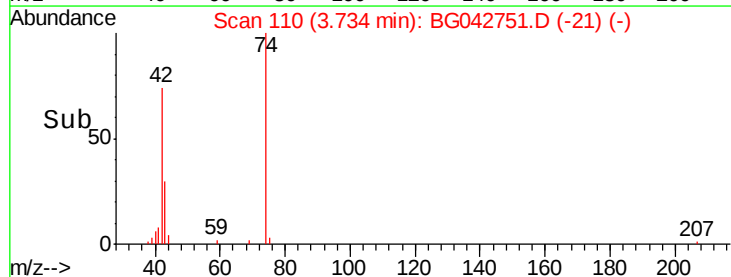
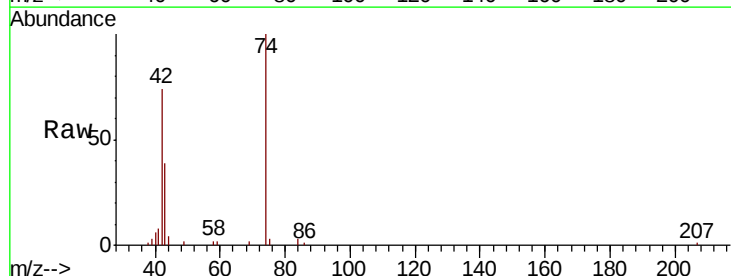
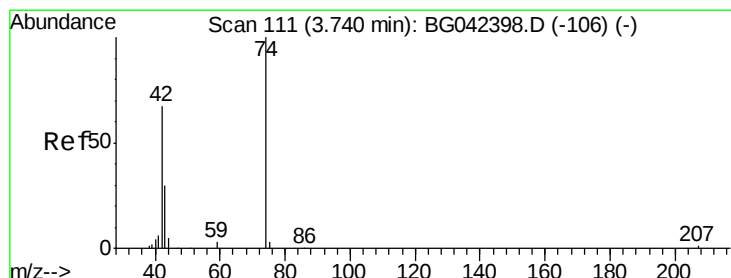
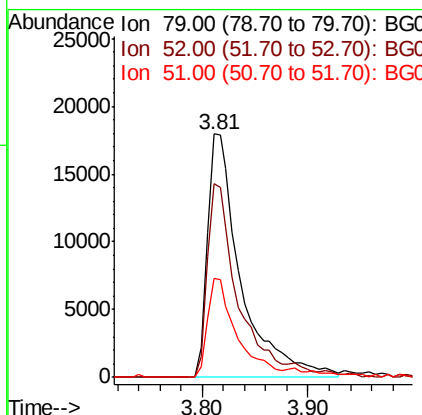
#3  
 Pvridine  
 Concen: 27.620 ng  
 RT: 3.81 min Scan# 123  
 Delta R.T. -0.02 min  
 Lab File: BG042751.D  
 Acq: 6 Sep 2019 16:55

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 79      | 100   |      |       |       |
| 52      | 79.7  |      | 57.7  | 86.5  |
| 51      | 40.5  |      | 28.8  | 43.2  |

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB122813BS

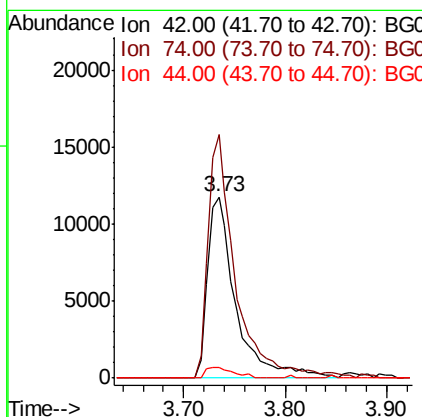
Manual Integrations  
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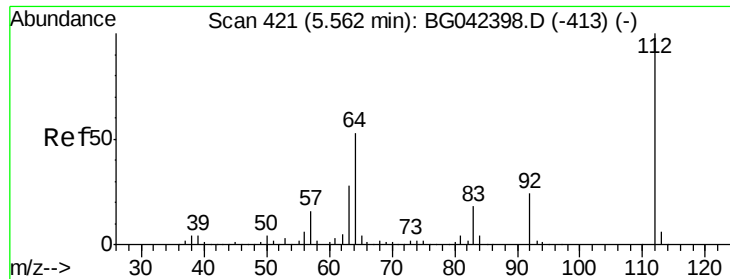
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 9/10/2019 9:59:45 AM



#4  
 n-Nitrosodimethylamine  
 Concen: 44.399 ng  
 RT: 3.73 min Scan# 110  
 Delta R.T. -0.01 min  
 Lab File: BG042751.D  
 Acq: 6 Sep 2019 16:55

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 42      | 100   |      |       |       |
| 74      | 134.3 |      | 119.6 | 179.4 |
| 44      | 6.0   |      | 6.5   | 9.7#  |





#5

2-Fluorophenol

Concen: 135.992 ng

RT: 5.56 min Scan# 420

Delta R.T. -0.01 min

Lab File: BG042751.D

Acq: 6 Sep 2019 16:55

Instrument :

BNA\_G

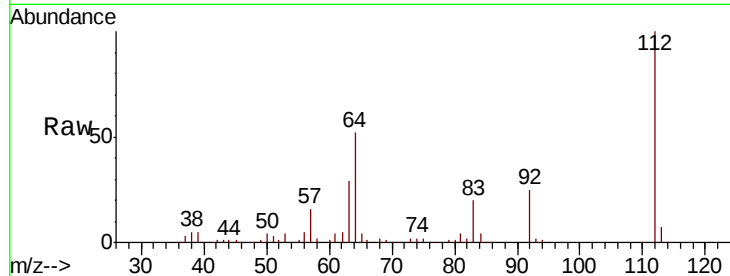
ClientSampleId :

PB122813BS

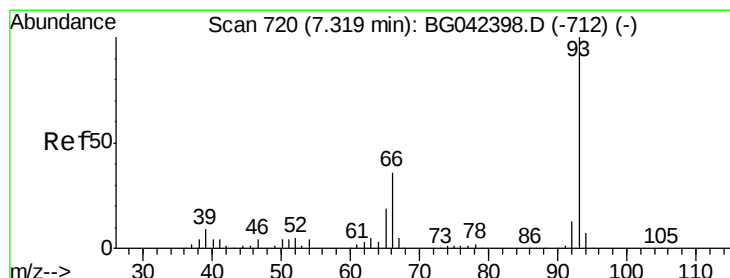
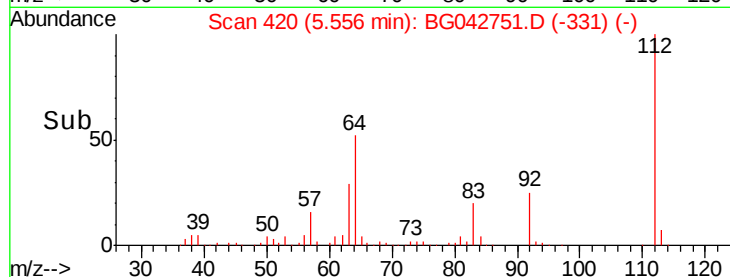
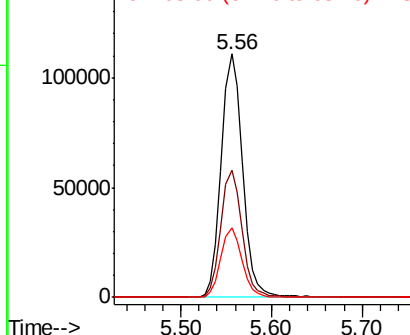
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 112   | Resp: | 181371 |
| Ion Ratio | Lower | Upper |        |
| 112       | 100   |       |        |
| 64        | 52.1  | 42.8  | 64.2   |
| 63        | 28.8  | 22.7  | 34.1   |

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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: 33.067 ng

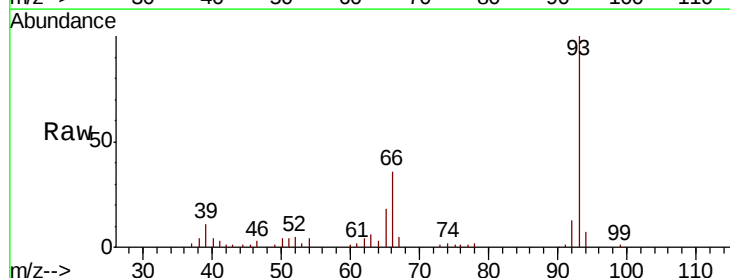
RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

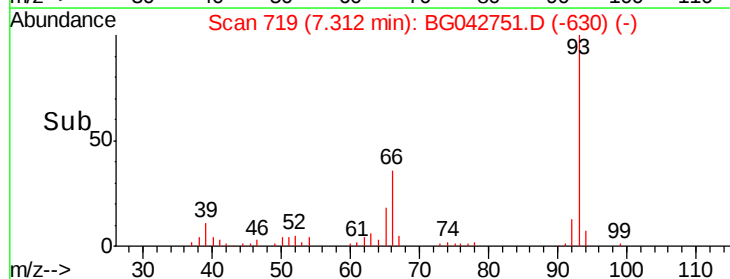
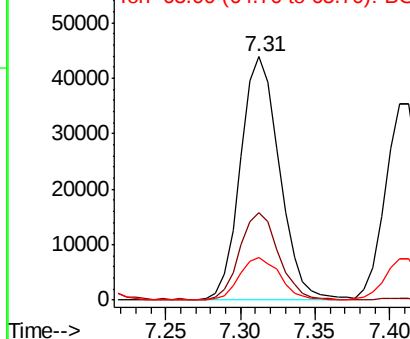
Lab File: BG042751.D

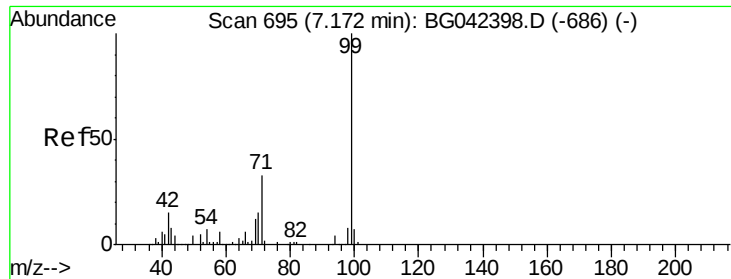
Acq: 6 Sep 2019 16:55

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 93    | Resp: | 79455 |
| Ion Ratio | Lower | Upper |       |
| 93        | 100   |       |       |
| 66        | 36.2  | 29.0  | 43.6  |
| 65        | 17.7  | 15.2  | 22.8  |



Abundance Ion 93.00 (92.70 to 93.70): BGC  
Ion 66.00 (65.70 to 66.70): BGC  
Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 130.702 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.01 min

Lab File: BG042751.D

Acq: 6 Sep 2019 16:55

Instrument :

BNA\_G

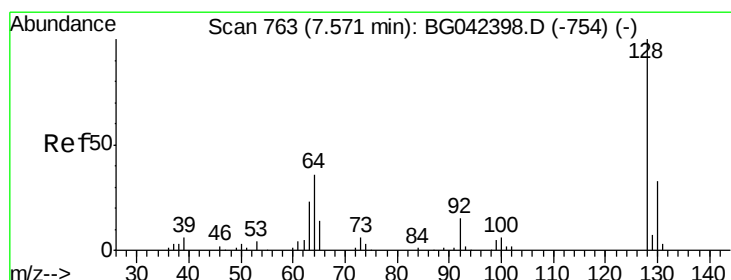
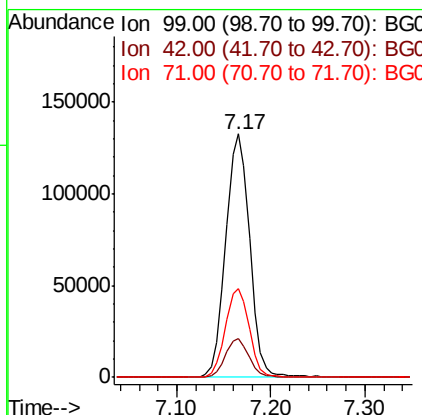
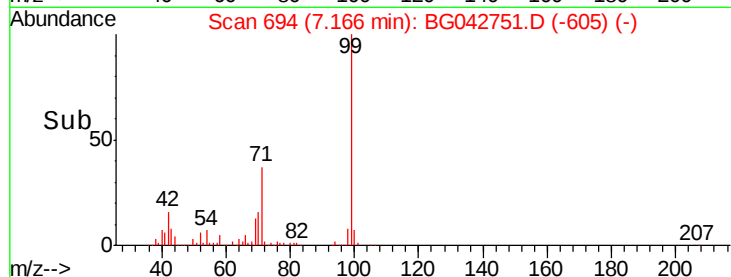
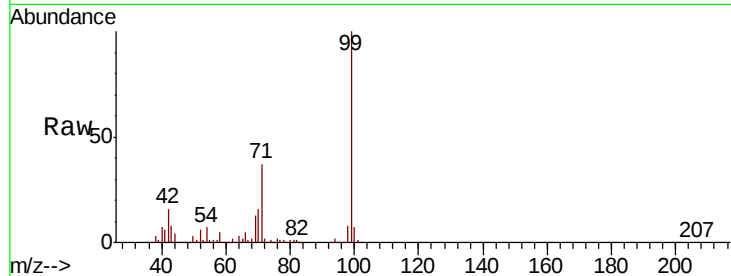
ClientSampleId :

PB122813BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 99    | Resp: | 235461 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 16.0  | 12.0  | 18.0   |
| 71        | 36.5  | 26.3  | 39.5   |

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#8

2-Chlorophenol

Concen: 52.009 ng

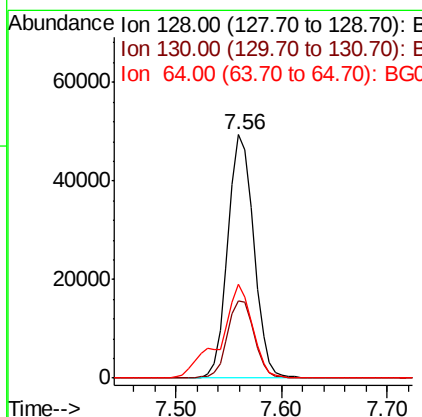
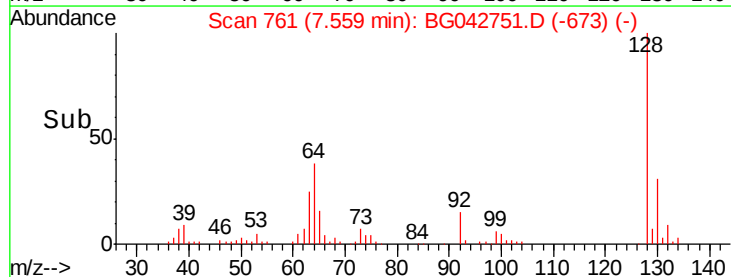
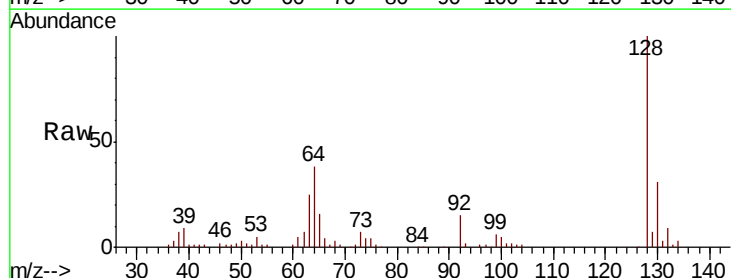
RT: 7.56 min Scan# 761

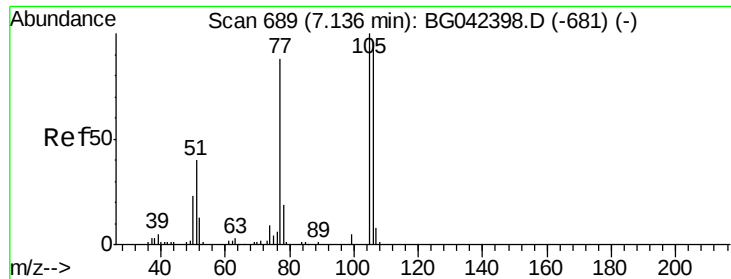
Delta R.T. -0.01 min

Lab File: BG042751.D

Acq: 6 Sep 2019 16:55

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 84064 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 130       | 31.5  | 12.8  | 52.8  |
| 64        | 38.4  | 19.2  | 59.2  |





#9

Benzaldehyde

Concen: 33.196 ng

RT: 7.12 min Scan# 687

Delta R.T. -0.01 min

Lab File: BG042751.D

Acq: 6 Sep 2019 16:55

Instrument :

BNA\_G

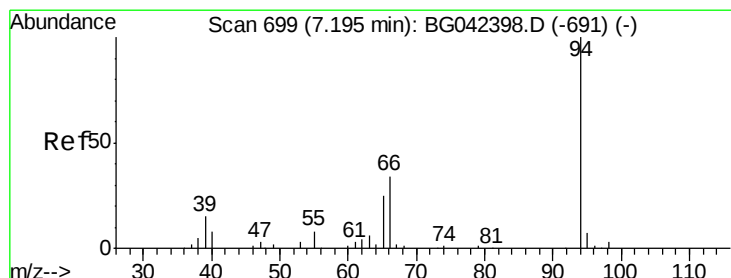
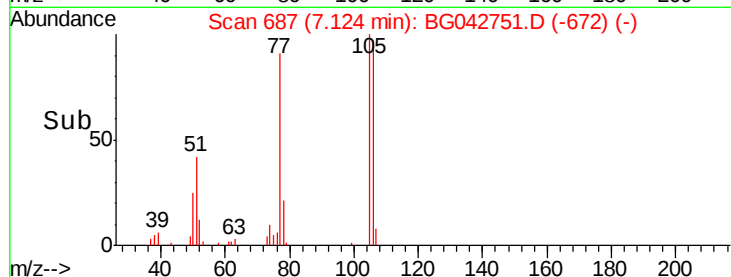
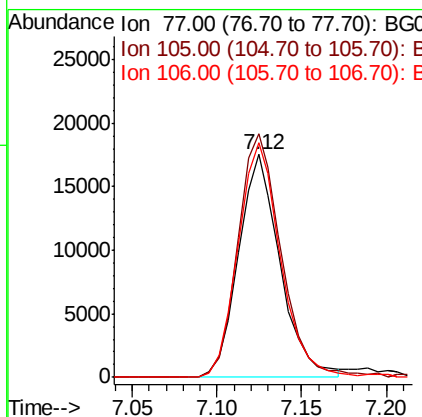
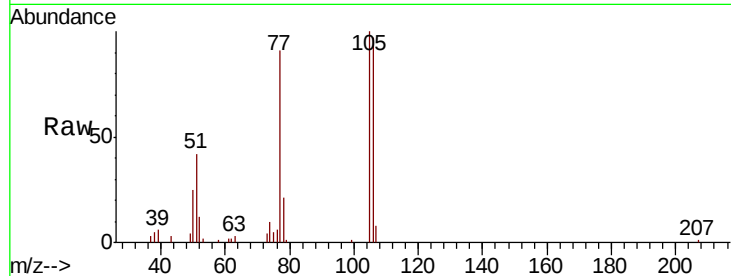
ClientSampleId :

PB122813BS

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 77    | Resp: | 29940 |
| Ion      | Ratio | Lower | Upper |
| 77       | 100   |       |       |
| 105      | 109.3 | 93.4  | 133.4 |
| 106      | 105.6 | 88.4  | 128.4 |

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#10

Phenol

Concen: 50.556 ng

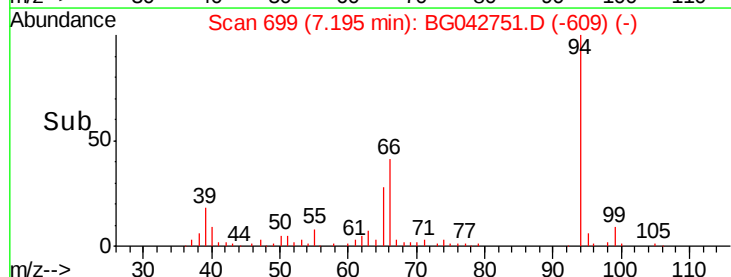
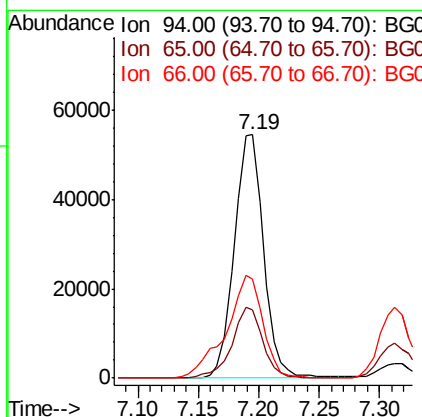
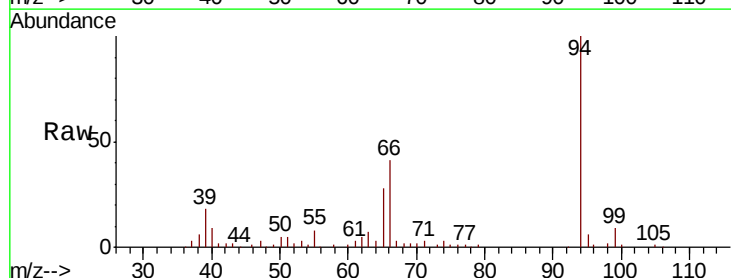
RT: 7.19 min Scan# 699

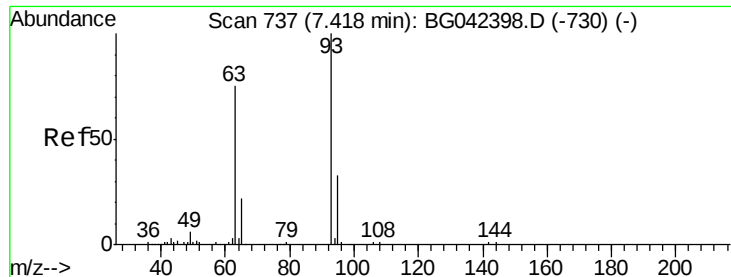
Delta R.T. -0.00 min

Lab File: BG042751.D

Acq: 6 Sep 2019 16:55

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 94    | Resp: | 92602 |
| Ion      | Ratio | Lower | Upper |
| 94       | 100   |       |       |
| 65       | 28.0  | 5.6   | 45.6  |
| 66       | 40.7  | 16.0  | 56.0  |





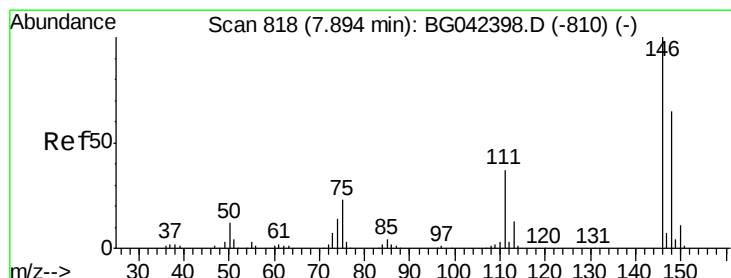
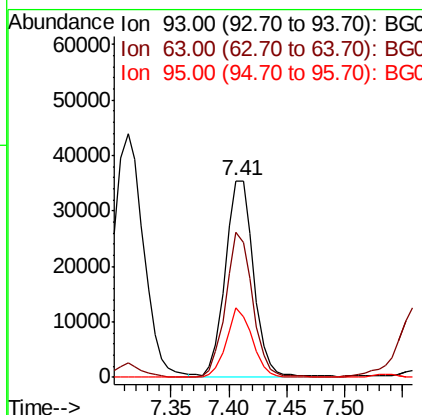
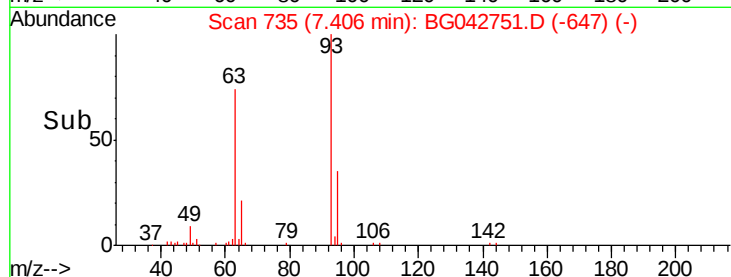
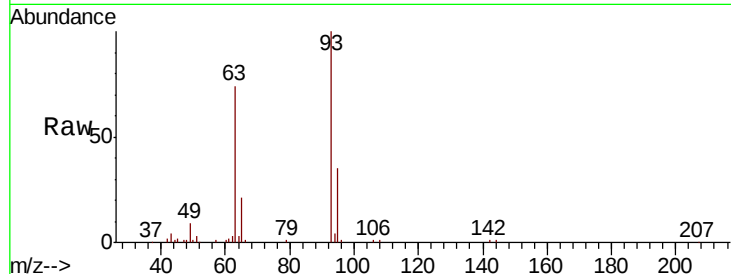
#11  
bis(2-Chloroethyl)ether  
Concen: 42.453 ng  
RT: 7.41 min Scan# 735  
Delta R.T. -0.01 min  
Lab File: BG042751.D  
Acq: 6 Sep 2019 16:55

Instrument :  
BNA\_G  
ClientSampleId :  
PB122813BS

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 93    | Resp: | 61069 |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 63       | 73.8  | 53.8  | 93.8  |
| 95       | 35.3  | 13.1  | 53.1  |

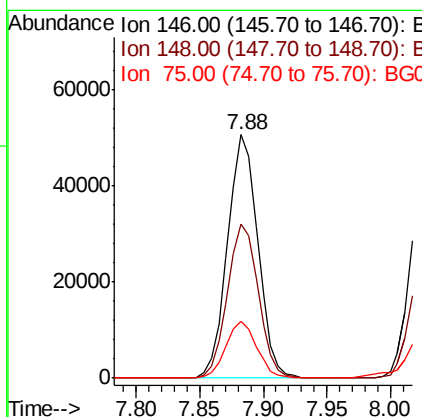
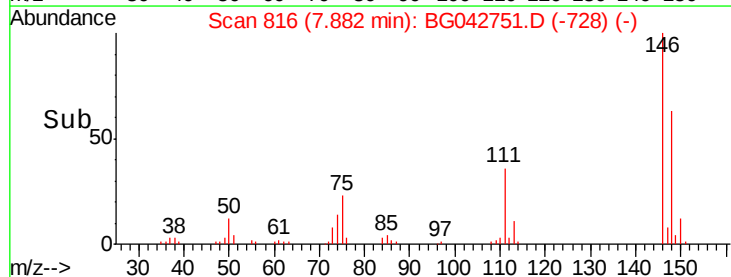
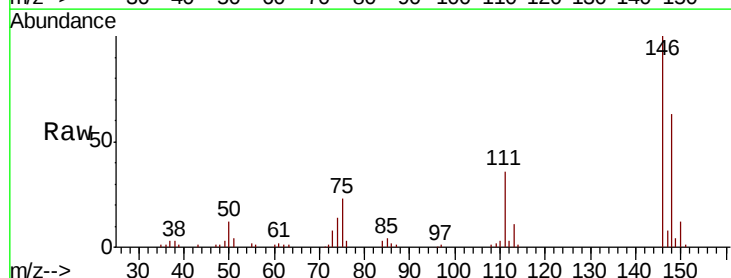
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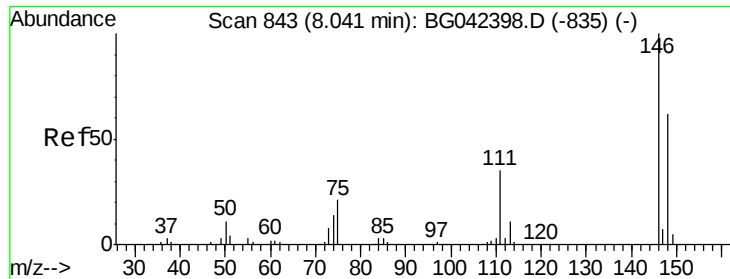
mohammad  
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#12  
1,3-Dichlorobenzene  
Concen: 40.701 ng  
RT: 7.88 min Scan# 816  
Delta R.T. -0.01 min  
Lab File: BG042751.D  
Acq: 6 Sep 2019 16:55

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 146   | Resp: | 83689 |
| Ion      | Ratio | Lower | Upper |
| 146      | 100   |       |       |
| 148      | 63.1  | 52.2  | 78.2  |
| 75       | 23.4  | 18.0  | 27.0  |





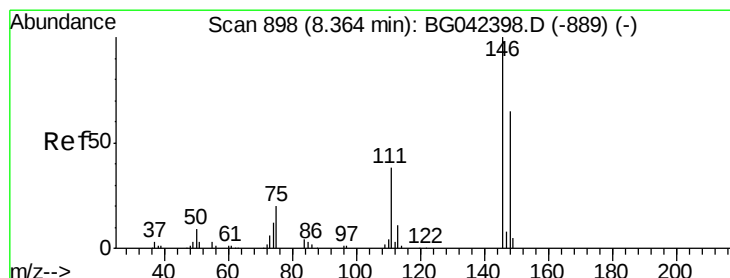
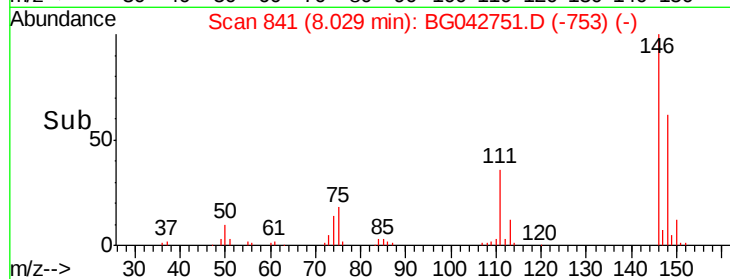
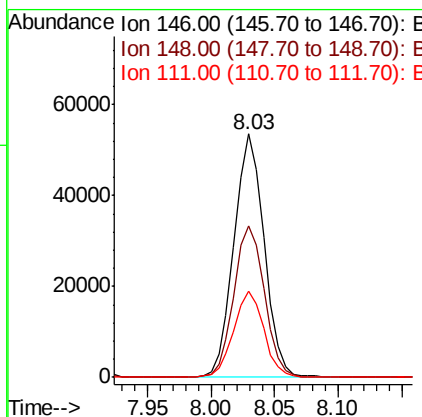
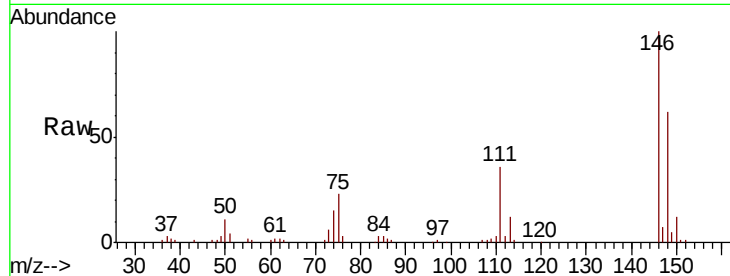
#13  
 1,4-Dichlorobenzene  
 Concen: 42.308 ng  
 RT: 8.03 min Scan# 841  
 Delta R.T. -0.01 min  
 Lab File: BG042751.D  
 Acq: 6 Sep 2019 16:55

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB122813BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 62.1  | 49.5  | 74.3  |
| 111     | 35.5  | 28.1  | 42.1  |

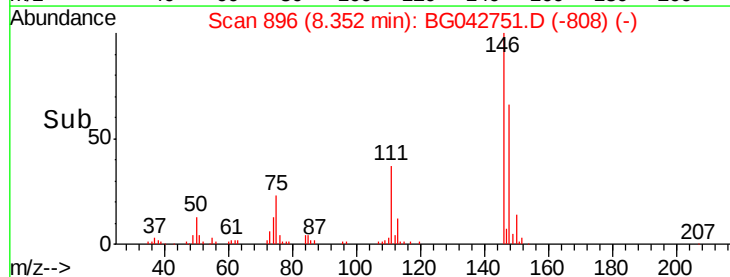
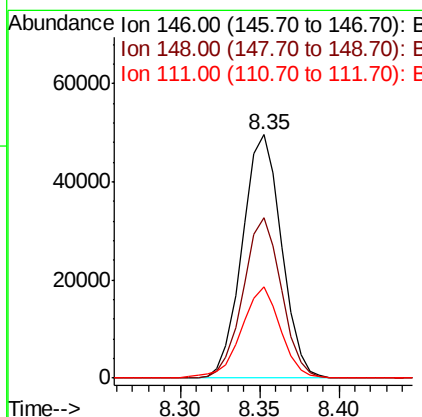
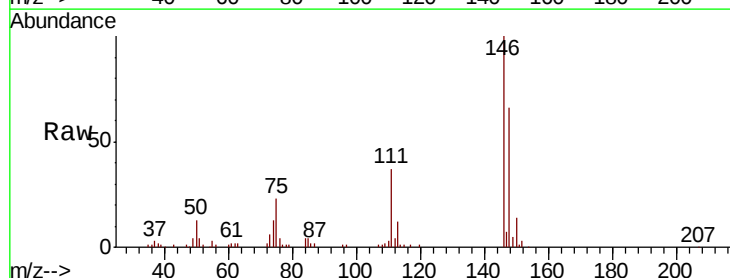
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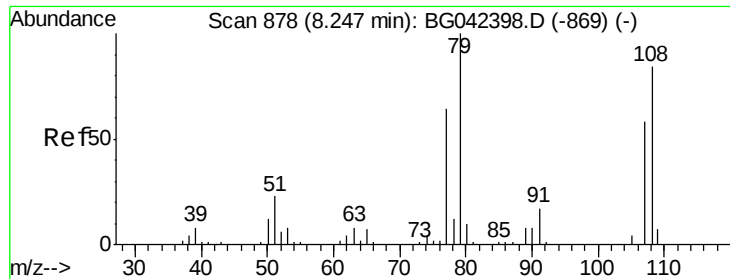
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#14  
 1,2-Dichlorobenzene  
 Concen: 42.605 ng  
 RT: 8.35 min Scan# 896  
 Delta R.T. -0.01 min  
 Lab File: BG042751.D  
 Acq: 6 Sep 2019 16:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 65.9  | 51.8  | 77.6  |
| 111     | 37.4  | 30.9  | 46.3  |





#15

Benzyl Alcohol

Concen: 49.182 ng

RT: 8.23 min Scan# 876

Delta R.T. -0.01 min

Lab File: BG042751.D

Acq: 6 Sep 2019 16:55

Instrument :

BNA\_G

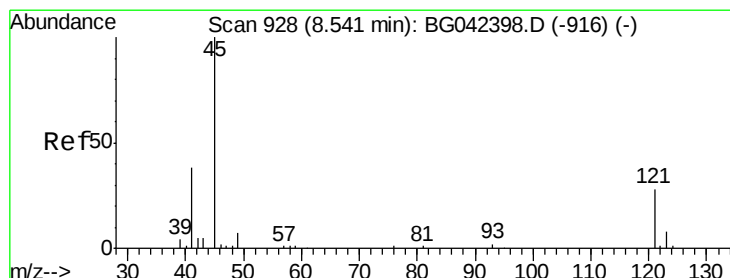
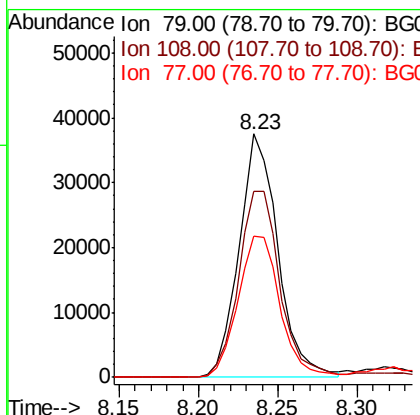
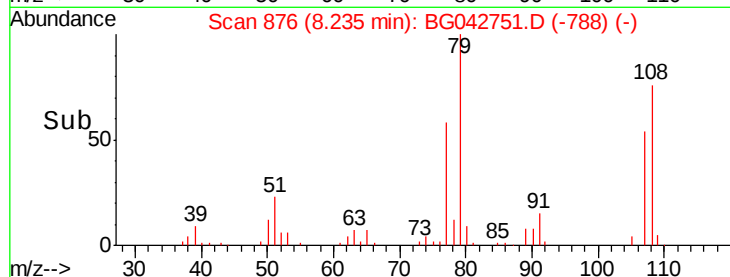
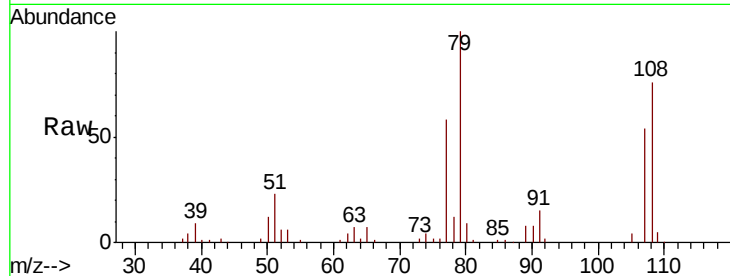
ClientSampleID :

PB122813BS

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 79    | Resp: | 63744 |
| Ion      | Ratio | Lower | Upper |
| 79       | 100   |       |       |
| 108      | 76.4  | 67.4  | 101.2 |
| 77       | 57.8  | 50.8  | 76.2  |

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 38.916 ng

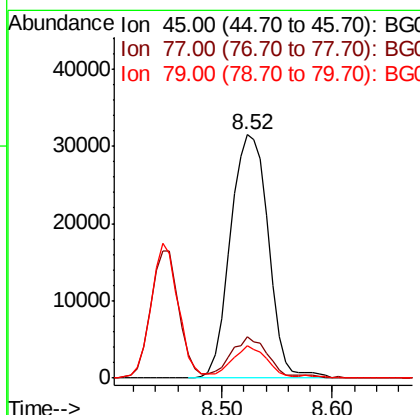
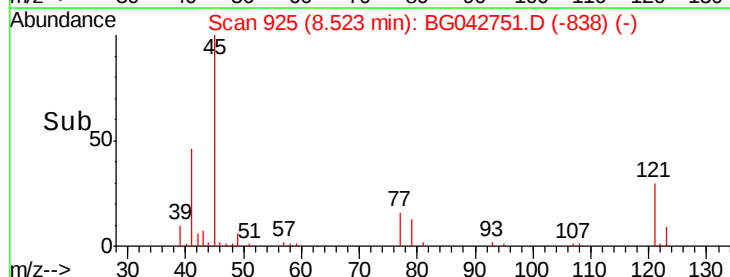
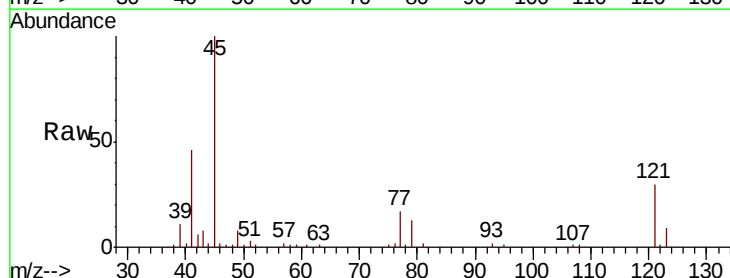
RT: 8.52 min Scan# 925

Delta R.T. -0.02 min

Lab File: BG042751.D

Acq: 6 Sep 2019 16:55

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 45    | Resp: | 75876 |
| Ion      | Ratio | Lower | Upper |
| 45       | 100   |       |       |
| 77       | 16.8  | 0.0   | 35.6  |
| 79       | 13.2  | 0.0   | 31.6  |





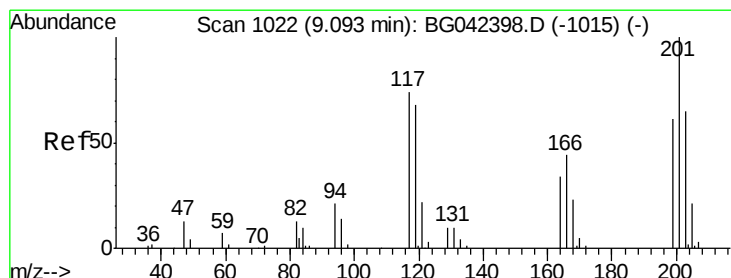
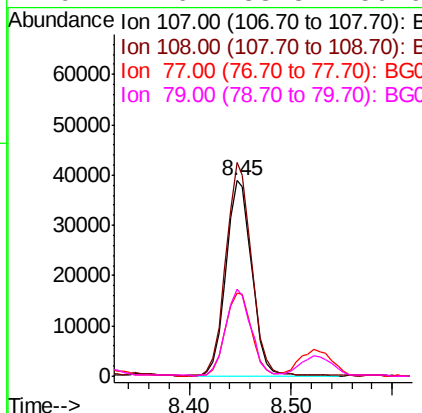
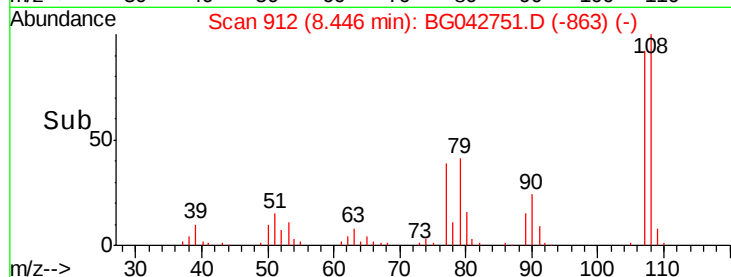
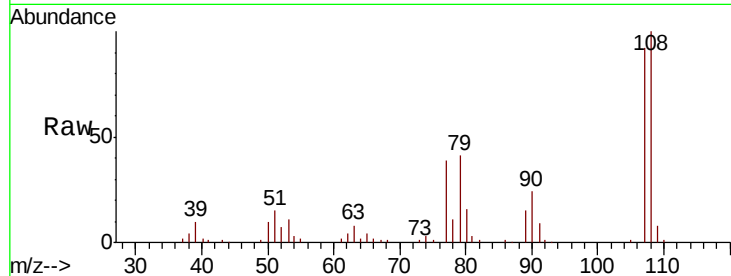
#17  
2-Methylphenol  
Concen: 51.083 ng  
RT: 8.45 min Scan# 912  
Delta R.T. -0.01 min  
Lab File: BG042751.D  
Acq: 6 Sep 2019 16:55

Instrument :  
BNA\_G  
ClientSampleId :  
PB122813BS

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 107   | Resp: | 68917 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 108      | 109.1 | 92.9  | 139.3 |
| 77       | 42.4  | 34.4  | 51.6  |
| 79       | 44.6  | 33.8  | 50.6  |

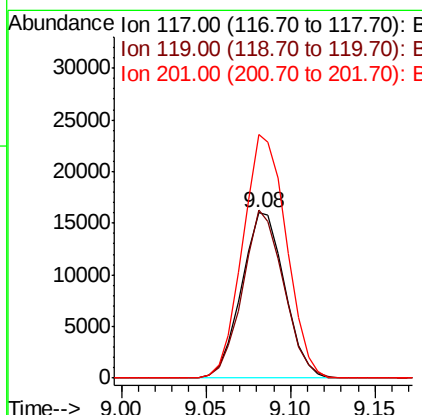
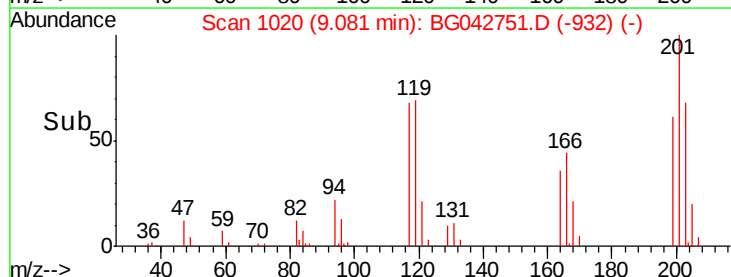
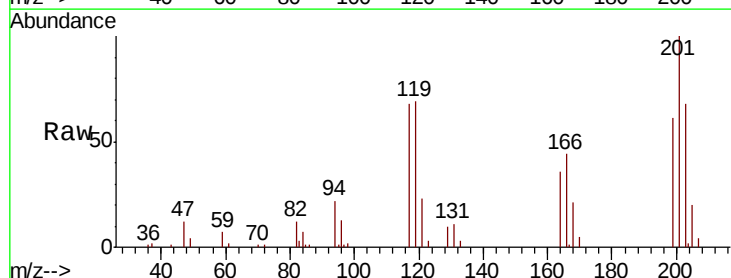
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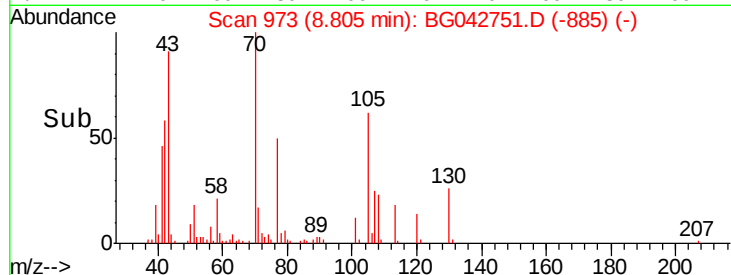
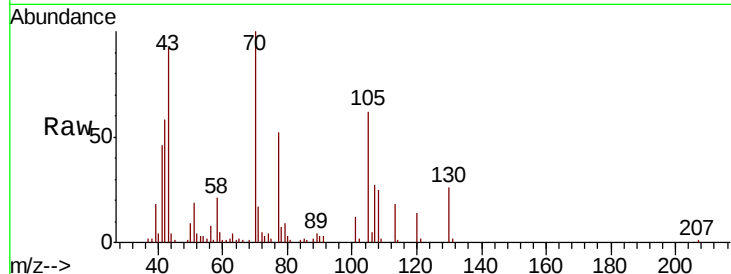
mohammad  
9/10/2019 9:59:45 AM



#18  
Hexachloroethane  
Concen: 39.794 ng  
RT: 9.08 min Scan# 1020  
Delta R.T. -0.01 min  
Lab File: BG042751.D  
Acq: 6 Sep 2019 16:55

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 28374 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 101.6 | 73.8  | 110.8 |
| 201      | 147.2 | 108.3 | 162.5 |





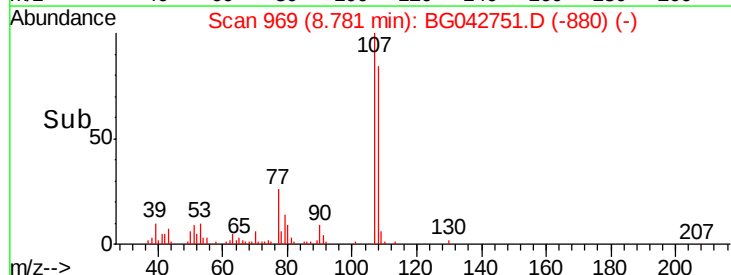
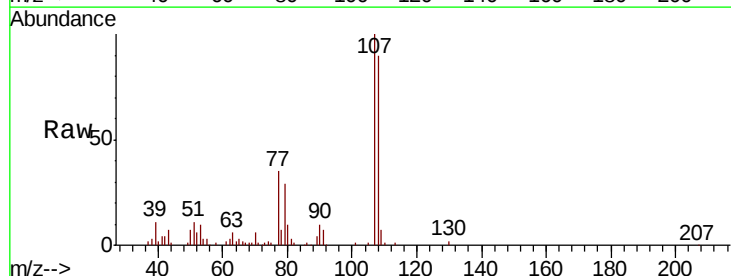
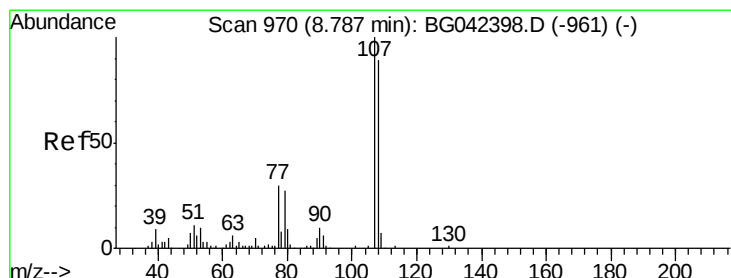
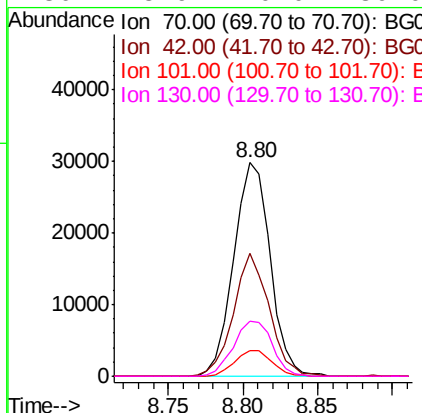
#19  
n-Nitroso-di-n-propylamine  
Concen: 43.438 ng  
RT: 8.80 min Scan# 973  
Delta R.T. -0.01 min  
Lab File: BG042751.D  
Acq: 6 Sep 2019 16:55

Instrument :  
BNA\_G  
ClientSampleId :  
PB122813BS

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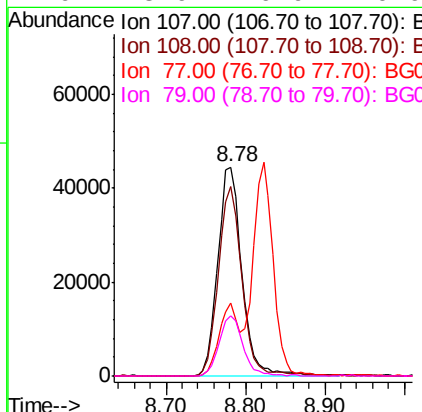
mohammad  
9/10/2019 9:59:45 AM

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 70      | 100  |       |       |       |
| 42      | 57.5 | 38.8  | 58.2  |       |
| 101     | 12.2 | 9.0   | 13.6  |       |
| 130     | 25.9 | 20.0  | 30.0  |       |



#20  
3+4-Methylphenols  
Concen: 50.213 ng  
RT: 8.78 min Scan# 969  
Delta R.T. -0.01 min  
Lab File: BG042751.D  
Acq: 6 Sep 2019 16:55

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 107     | 100  |       |       |       |
| 108     | 90.3 | 68.7  | 108.7 |       |
| 77      | 34.9 | 10.2  | 50.2  |       |
| 79      | 28.9 | 6.9   | 46.9  |       |





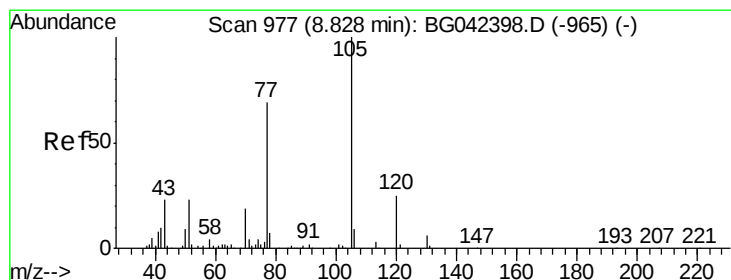
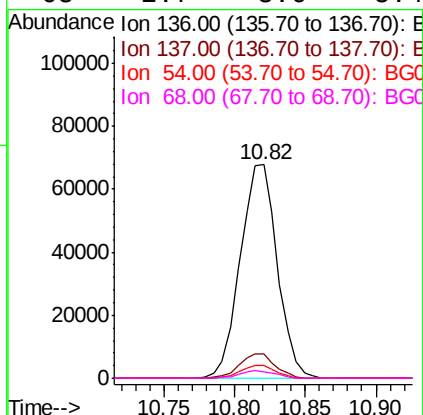
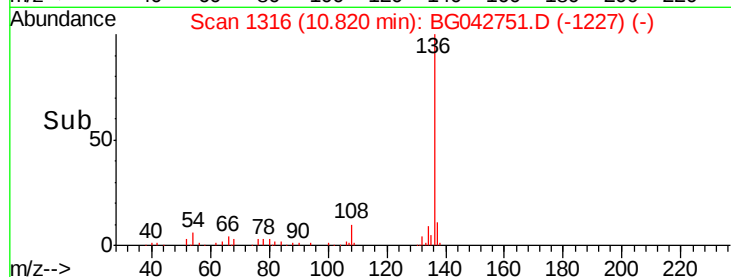
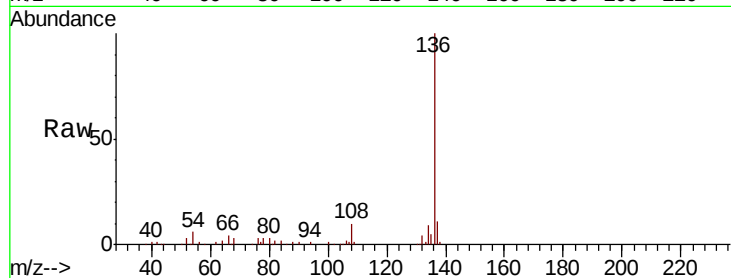
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.82 min Scan# 1316  
Delta R.T. -0.01 min  
Lab File: BG042751.D  
Acq: 6 Sep 2019 16:55

Instrument :  
BNA\_G  
ClientSampled :  
PB122813BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 136     | 100   |      |       |       |
| 137     | 11.5  | 8.7  | 13.1  |       |
| 54      | 5.8   | 4.9  | 7.3   |       |
| 68      | 2.7   | 3.6  | 5.4   |       |

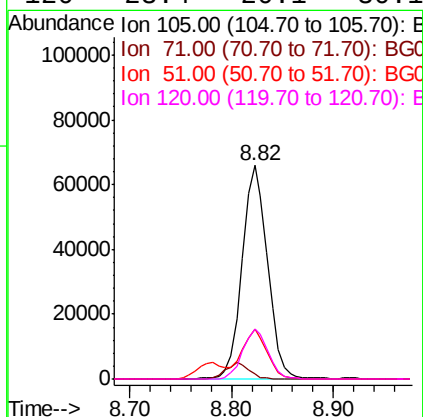
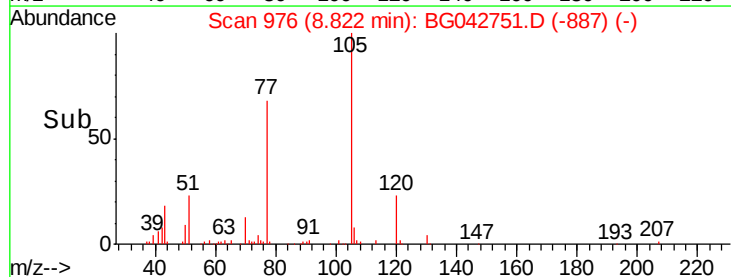
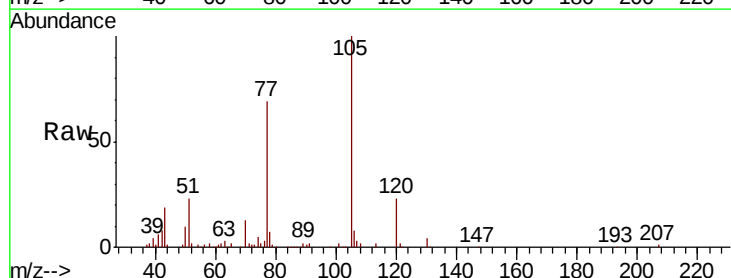
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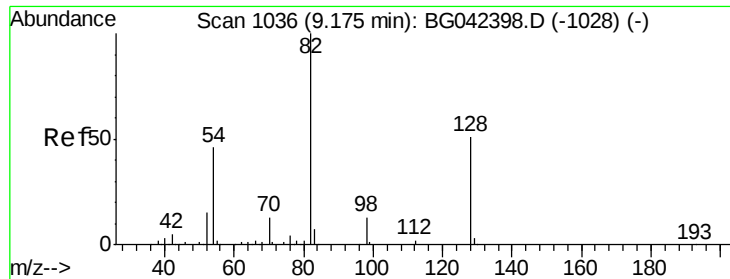
mohammad  
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#22  
Acetophenone  
Concen: 43.202 ng  
RT: 8.82 min Scan# 976  
Delta R.T. -0.01 min  
Lab File: BG042751.D  
Acq: 6 Sep 2019 16:55

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 105     | 100   |      |       |       |
| 71      | 2.4   | 2.8  | 4.2   |       |
| 51      | 23.3  | 18.7 | 28.1  |       |
| 120     | 23.4  | 20.1 | 30.1  |       |





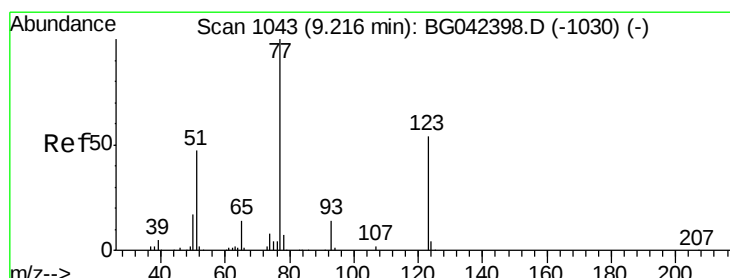
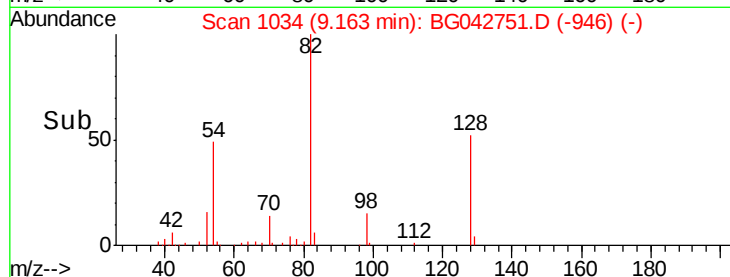
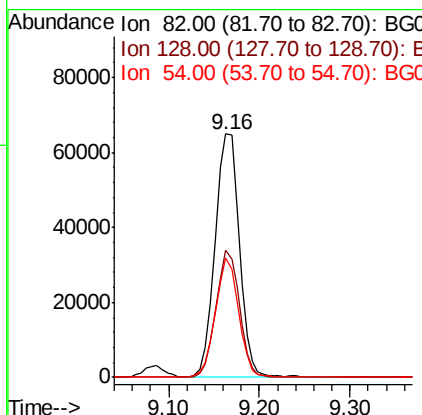
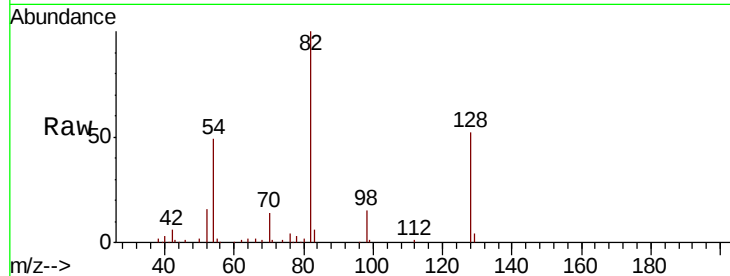
#23  
Nitrobenzene-d5  
Concen: 67.426 ng  
RT: 9.16 min Scan# 1034  
Delta R.T. -0.01 min  
Lab File: BG042751.D  
Acq: 6 Sep 2019 16:55

Instrument :  
BNA\_G  
ClientSampleId :  
PB122813BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 82      | 100   | 121168 |       |       |
| 128     | 52.2  | 40.7   | 61.1  |       |
| 54      | 49.0  | 36.3   | 54.5  |       |

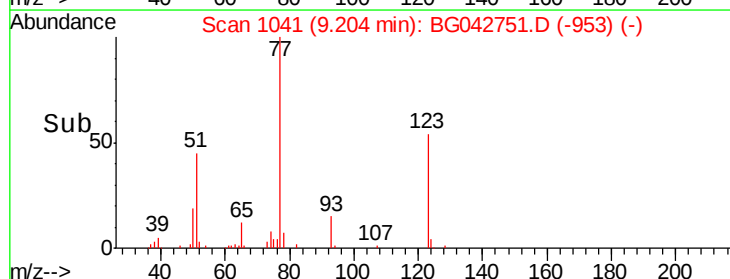
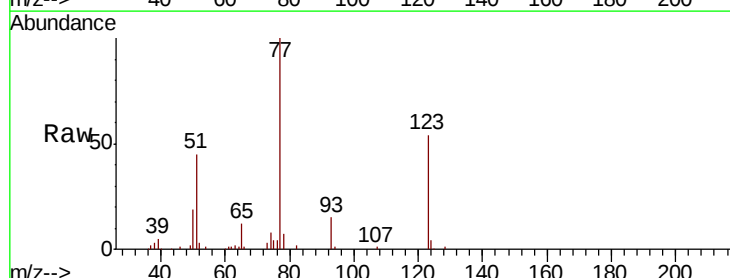
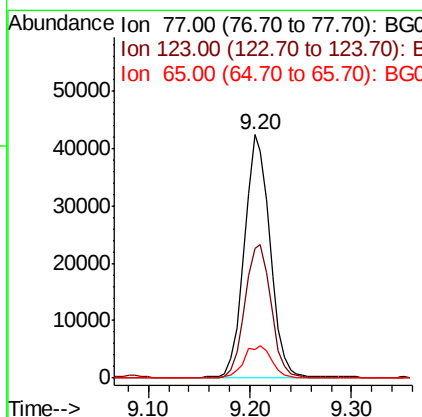
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#24  
Nitrobenzene  
Concen: 41.100 ng  
RT: 9.20 min Scan# 1041  
Delta R.T. -0.01 min  
Lab File: BG042751.D  
Acq: 6 Sep 2019 16:55

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 77      | 100   | 74792 |       |       |
| 123     | 53.5  | 43.4  | 65.0  |       |
| 65      | 11.9  | 11.0  | 16.6  |       |





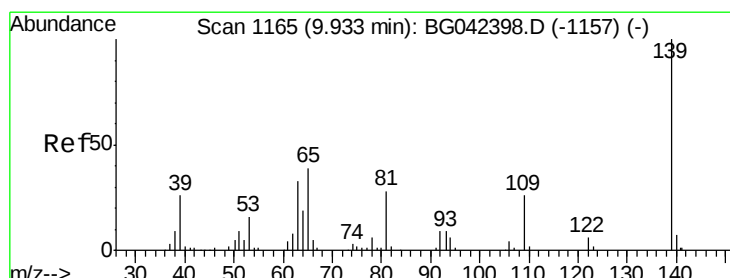
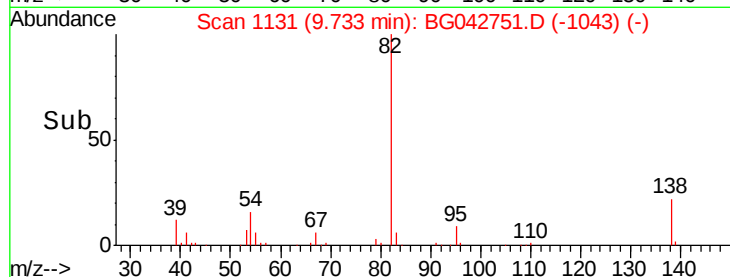
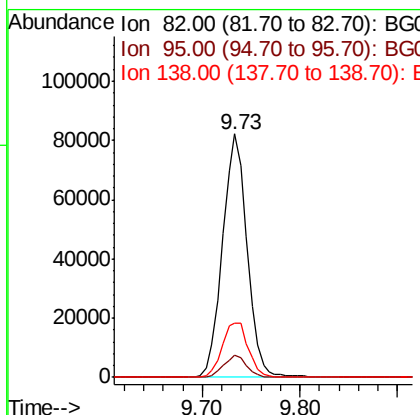
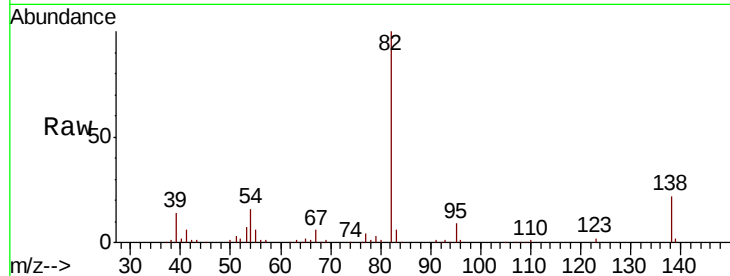
#25  
Isophorone  
Concen: 40.532 ng  
RT: 9.73 min Scan# 1131  
Delta R.T. -0.01 min  
Lab File: BG042751.D  
Acq: 6 Sep 2019 16:55

Instrument :  
BNA\_G  
ClientSampled :  
PB122813BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 82      | 100   | 143748 |       |       |
| 95      | 9.0   | 6.6    | 9.8   |       |
| 138     | 22.3  | 18.6   | 27.8  |       |

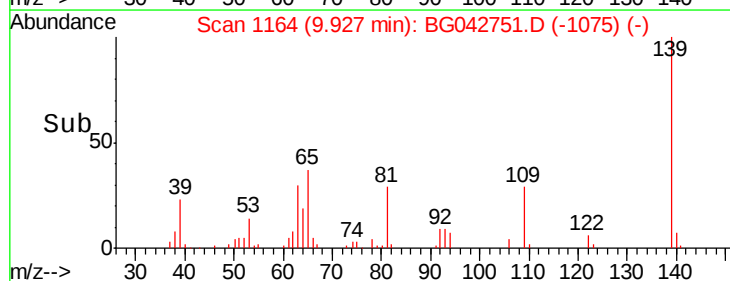
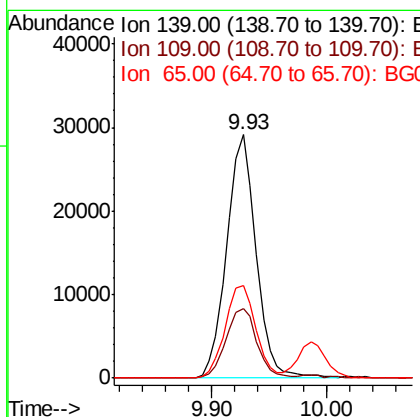
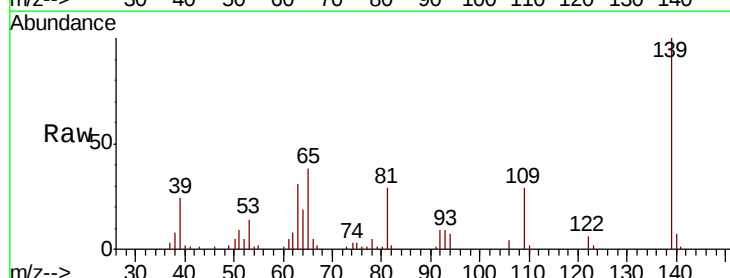
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#26  
2-Nitrophenol  
Concen: 45.128 ng  
RT: 9.93 min Scan# 1164  
Delta R.T. -0.01 min  
Lab File: BG042751.D  
Acq: 6 Sep 2019 16:55

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 139     | 100   | 51464 |       |       |
| 109     | 28.7  | 20.5  | 30.7  |       |
| 65      | 38.0  | 30.9  | 46.3  |       |





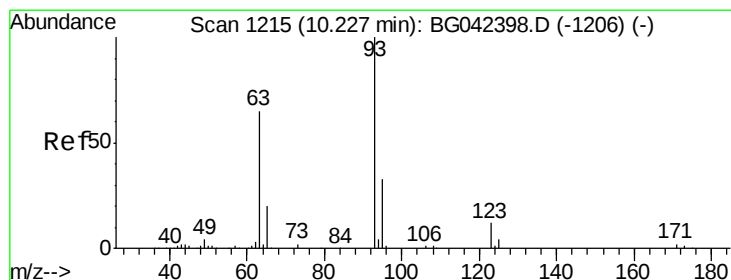
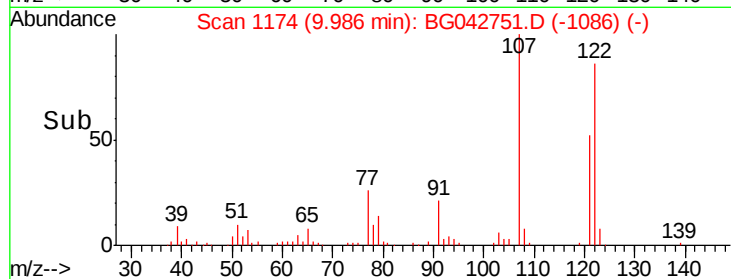
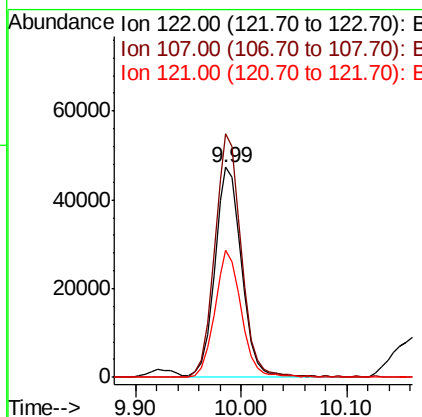
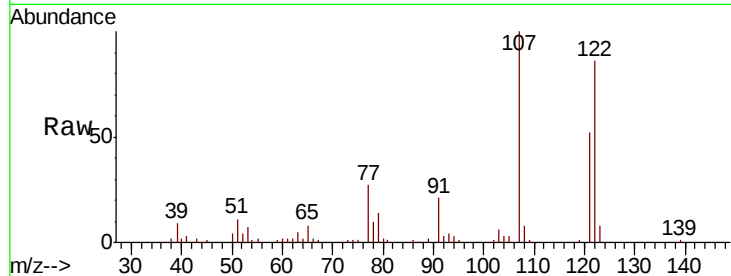
#27  
2,4-Dimethylphenol  
Concen: 53.495 ng  
RT: 9.99 min Scan# 1174  
Delta R.T. -0.01 min  
Lab File: BG042751.D  
Acq: 6 Sep 2019 16:55

Instrument :  
BNA\_G  
ClientSampleId :  
PB122813BS

| Tot Ion | Ion   | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|-------|
| 122     | 100   |       | 84035 |       |       |
| 107     | 116.0 | 90.8  | 136.2 |       |       |
| 121     | 60.6  | 49.6  | 74.4  |       |       |

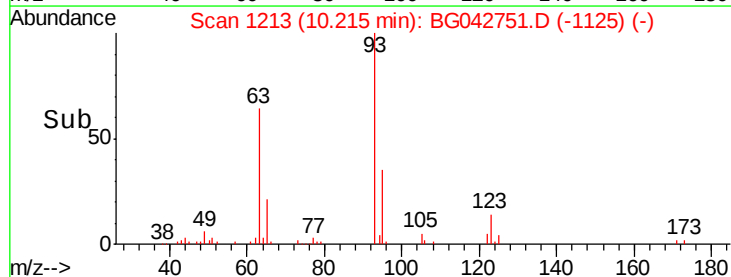
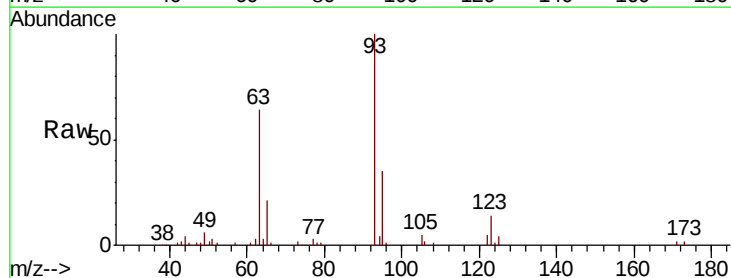
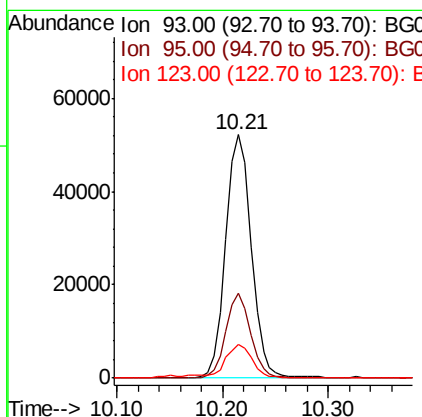
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#28  
bis(2-Chloroethoxy)methane  
Concen: 39.296 ng  
RT: 10.21 min Scan# 1213  
Delta R.T. -0.01 min  
Lab File: BG042751.D  
Acq: 6 Sep 2019 16:55

| Tgt Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 93      | 100  |       | 87838 |       |       |
| 95      | 34.8 | 26.6  | 40.0  |       |       |
| 123     | 13.9 | 10.1  | 15.1  |       |       |





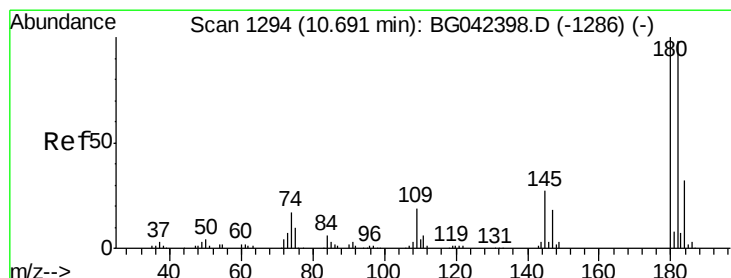
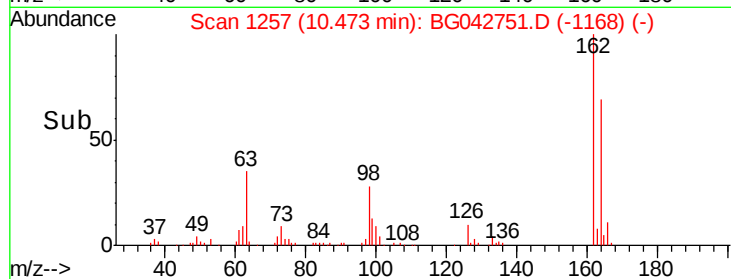
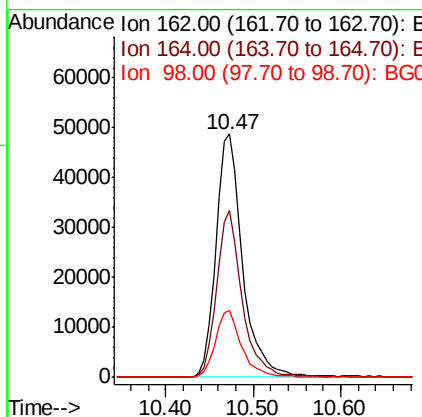
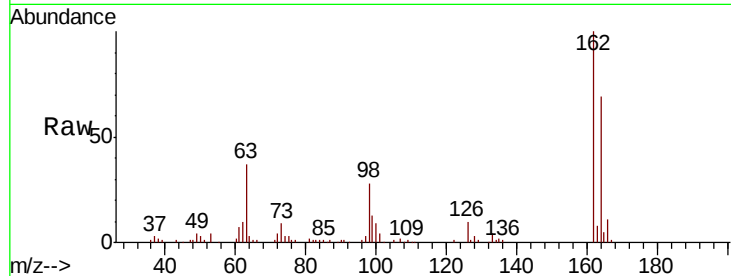
#29  
2,4-Dichlorophenol  
Concen: 50.088 ng  
RT: 10.47 min Scan# 1257  
Delta R.T. -0.01 min  
Lab File: BG042751.D  
Acq: 6 Sep 2019 16:55

Instrument :  
BNA\_G  
ClientSampleId :  
PB122813BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 162     | 100   | 102945 |       |       |
| 164     | 68.5  | 48.1   | 88.1  |       |
| 98      | 27.6  | 7.6    | 47.6  |       |

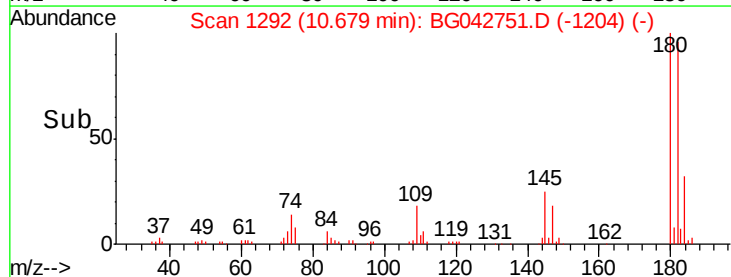
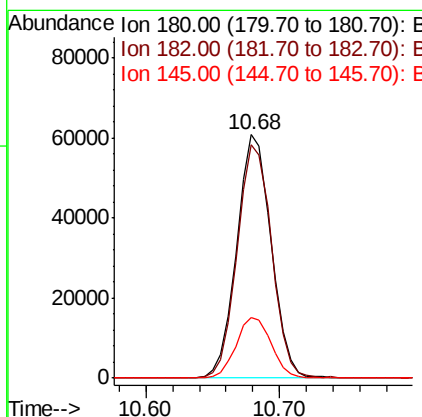
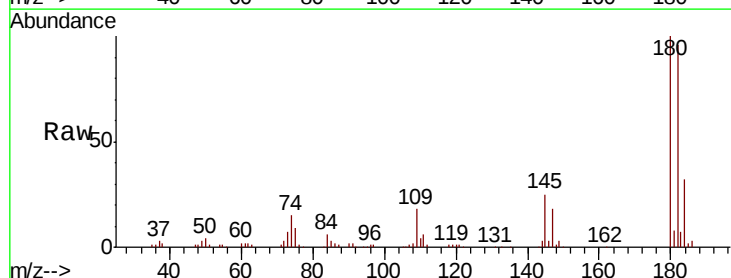
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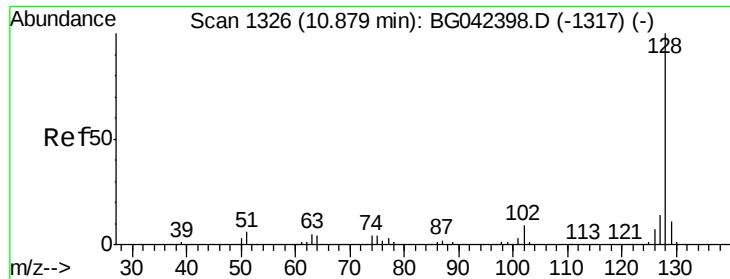
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#30  
1,2,4-Trichlorobenzene  
Concen: 42.943 ng  
RT: 10.68 min Scan# 1292  
Delta R.T. -0.01 min  
Lab File: BG042751.D  
Acq: 6 Sep 2019 16:55

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 108334 |       |       |
| 182     | 95.7  | 78.7   | 118.1 |       |
| 145     | 24.6  | 21.6   | 32.4  |       |





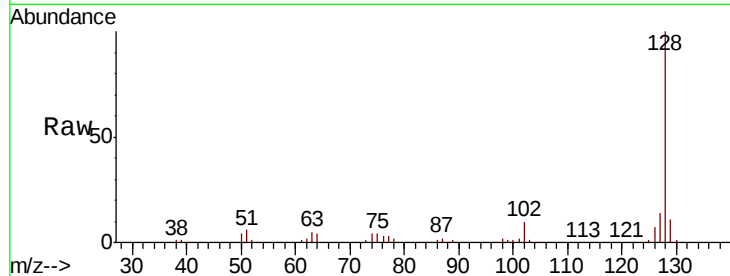
#31  
Naphthalene  
Concen: 42.955 ng  
RT: 10.87 min Scan# 1324  
Delta R.T. -0.01 min  
Lab File: BG042751.D  
Acq: 6 Sep 2019 16:55

Instrument :  
BNA\_G  
ClientSampleId :  
PB122813BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 128     | 100   | 247661 |       |       |
| 129     | 11.2  | 8.8    | 13.2  |       |
| 127     | 13.9  | 11.4   | 17.0  |       |

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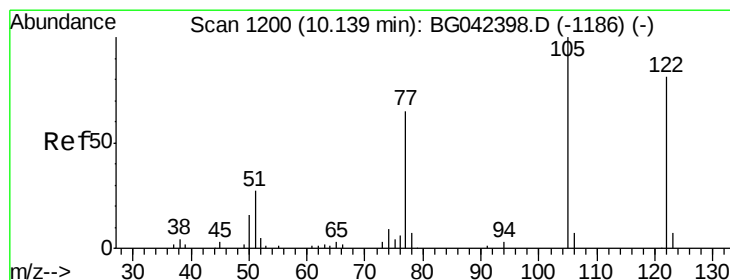
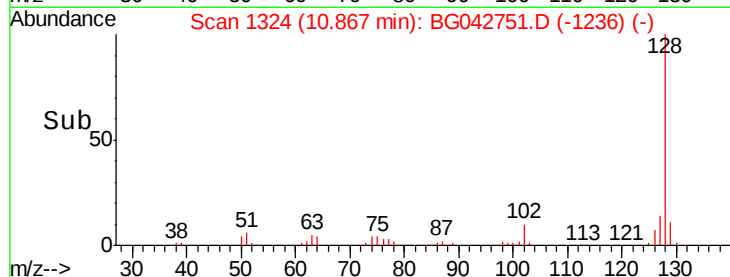
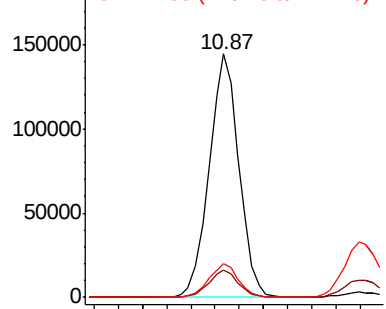


Abundance

Ion 128.00 (127.70 to 128.70): E

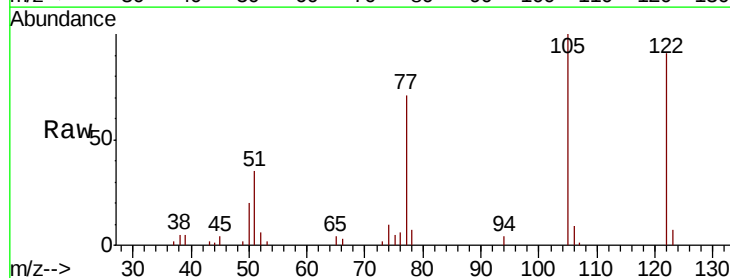
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32  
Benzoic acid  
Concen: 32.277 ng  
RT: 10.17 min Scan# 1206  
Delta R.T. 0.04 min  
Lab File: BG042751.D  
Acq: 6 Sep 2019 16:55

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 122     | 100   | 33121 |       |       |
| 105     | 110.3 | 99.6  | 139.6 |       |
| 77      | 78.1  | 59.5  | 99.5  |       |

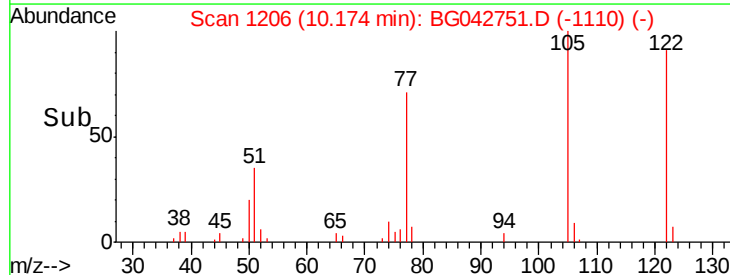
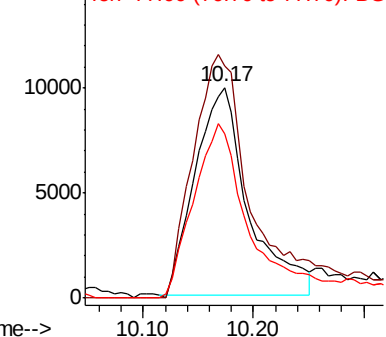


Abundance

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): BGC





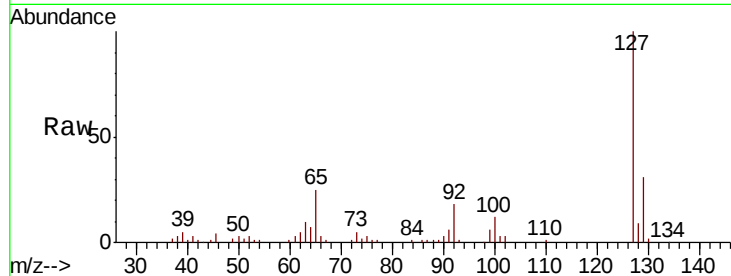
#33  
4-Chloroaniline  
Concen: 26.635 ng  
RT: 10.98 min Scan# 1343  
Delta R.T. -0.01 min  
Lab File: BG042751.D  
Acq: 6 Sep 2019 16:55

Instrument :  
BNA\_G  
ClientSampleId :  
PB122813BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 127     | 100   |       |       |
| 129     | 31.0  | 26.8  | 40.2  |
| 65      | 25.1  | 20.7  | 31.1  |
| 92      | 18.3  | 13.6  | 20.4  |

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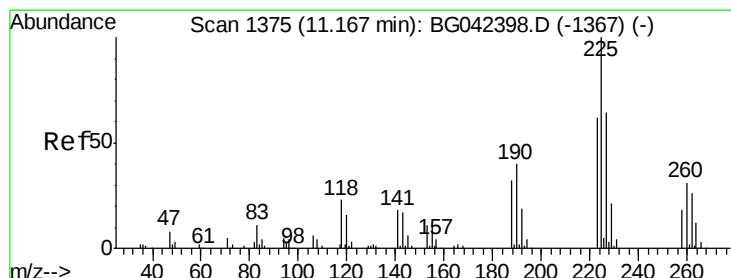
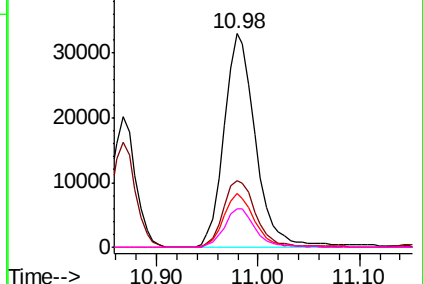
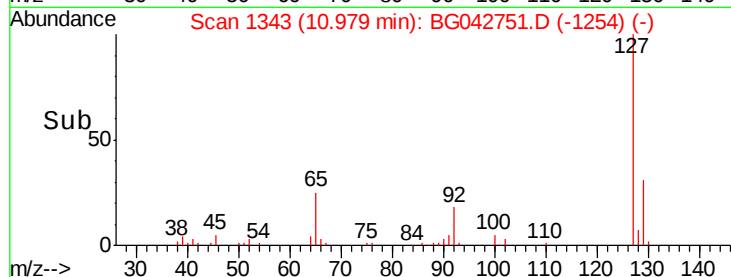
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

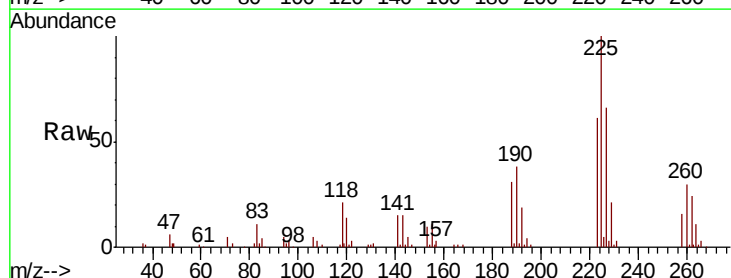
Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC



#34  
Hexachlorobutadiene  
Concen: 42.561 ng  
RT: 11.16 min Scan# 1373  
Delta R.T. -0.01 min  
Lab File: BG042751.D  
Acq: 6 Sep 2019 16:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 61.3  | 49.8  | 74.6  |
| 227     | 68.3  | 50.9  | 76.3  |

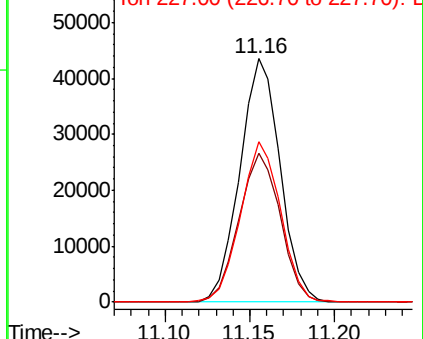
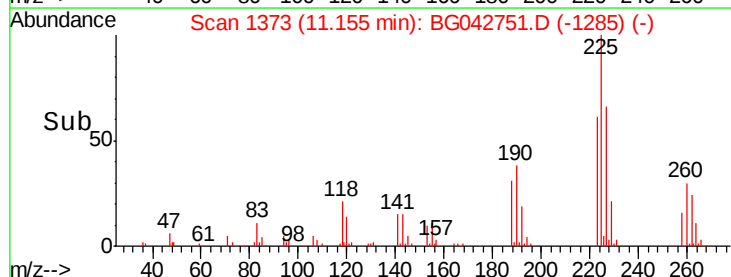


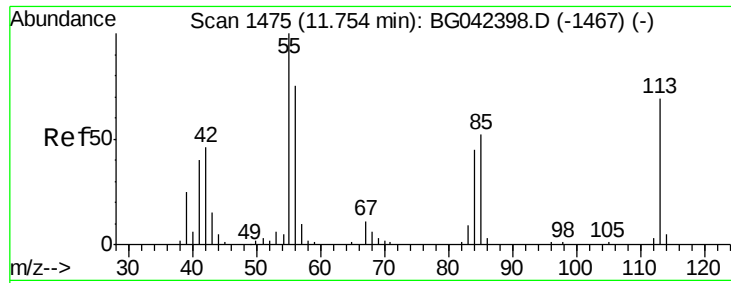
Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





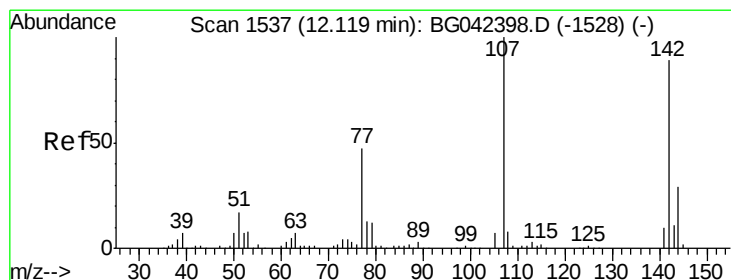
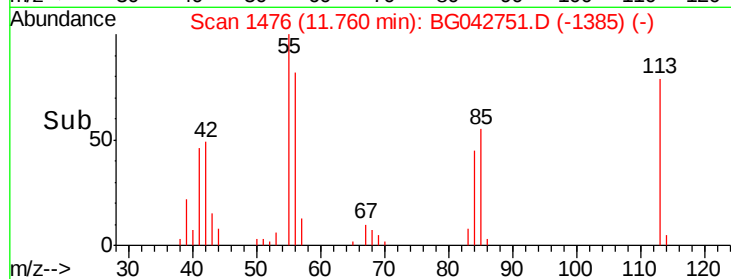
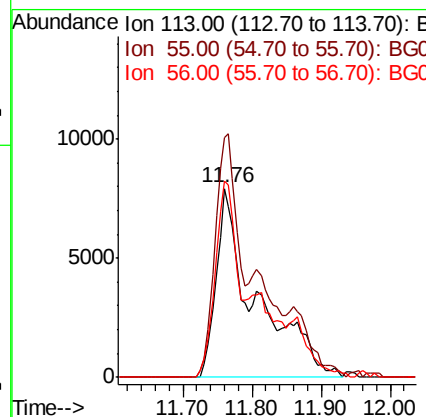
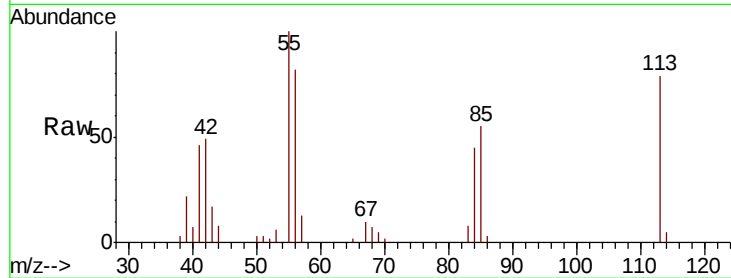
#35  
 Caprolactam  
 Concen: 45.875 ng/ml  
 RT: 11.76 min Scan# 1476  
 Delta R.T. 0.01 min  
 Lab File: BG042751.D  
 Acq: 6 Sep 2019 16:55

Instrument :  
 BNA\_G  
 ClientSampleID :  
 PB122813BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 55      | 126.5 | 124.6 | 164.6 |
| 56      | 103.6 | 88.3  | 128.3 |

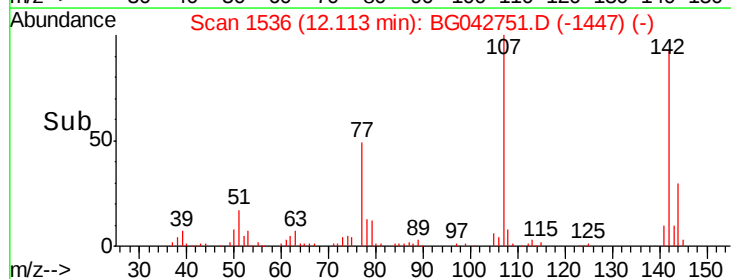
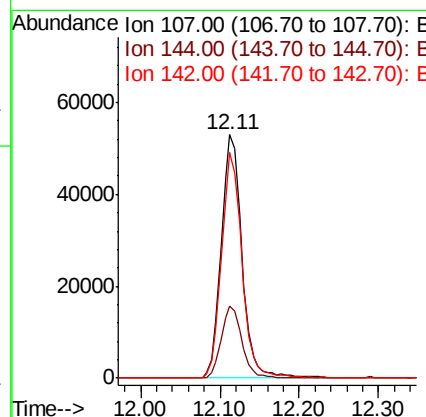
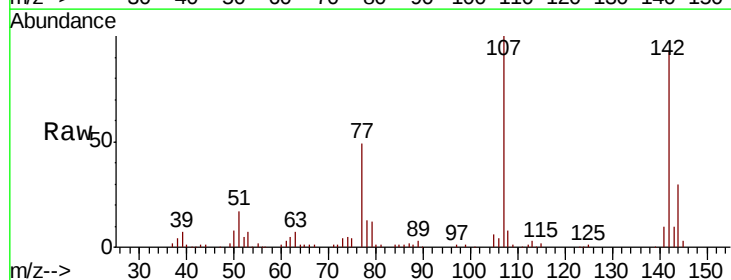
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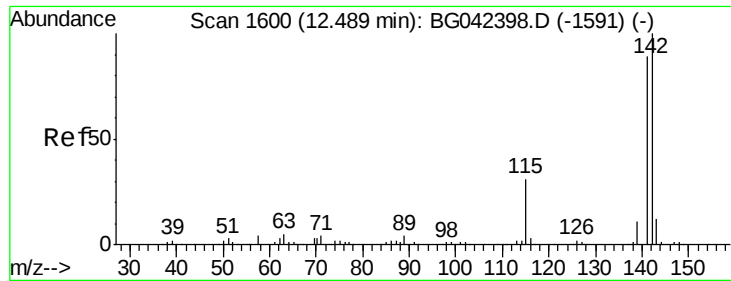
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#36  
 4-Chloro-3-methylphenol  
 Concen: 49.285 ng/ml  
 RT: 12.11 min Scan# 1536  
 Delta R.T. -0.01 min  
 Lab File: BG042751.D  
 Acq: 6 Sep 2019 16:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 144     | 29.6  | 23.6  | 35.4  |
| 142     | 92.7  | 71.0  | 106.4 |





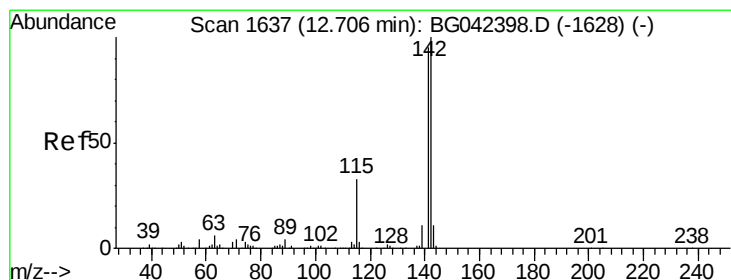
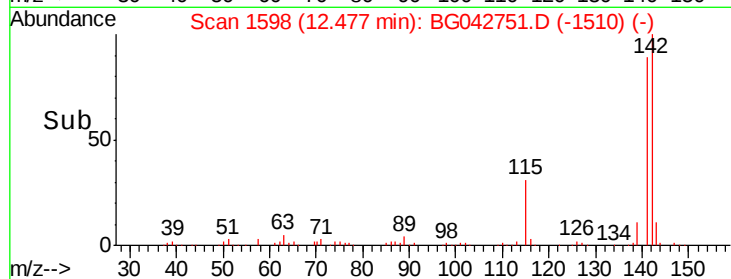
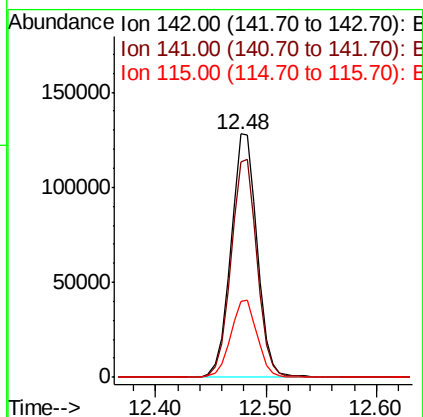
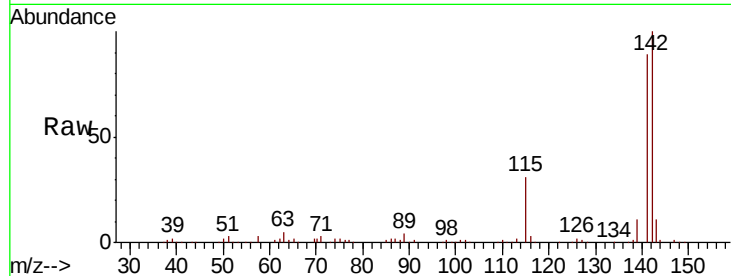
#37  
 2-Methylnaphthalene  
 Concen: 46.122 ng  
 RT: 12.48 min Scan# 1598  
 Delta R.T. -0.01 min  
 Lab File: BG042751.D  
 Acq: 6 Sep 2019 16:55

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB122813BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 88.7  | 71.4  | 107.2 |
| 115     | 31.4  | 25.2  | 37.8  |

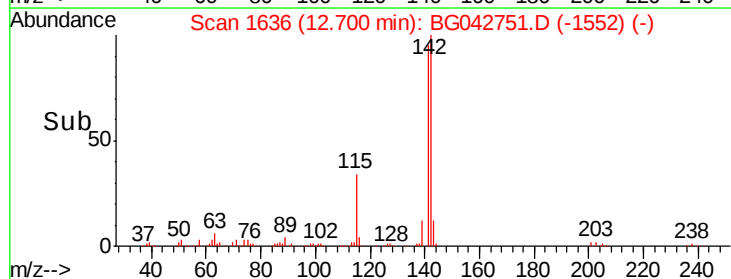
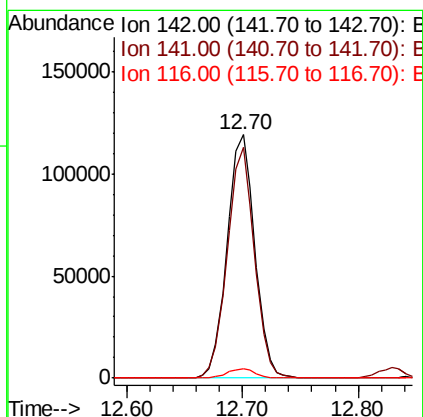
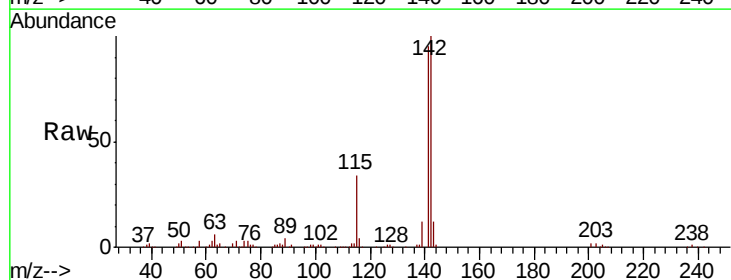
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#38  
 1-Methylnaphthalene  
 Concen: 44.944 ng  
 RT: 12.70 min Scan# 1636  
 Delta R.T. -0.01 min  
 Lab File: BG042751.D  
 Acq: 6 Sep 2019 16:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 94.8  | 76.2  | 114.2 |
| 116     | 3.8   | 2.8   | 4.2   |





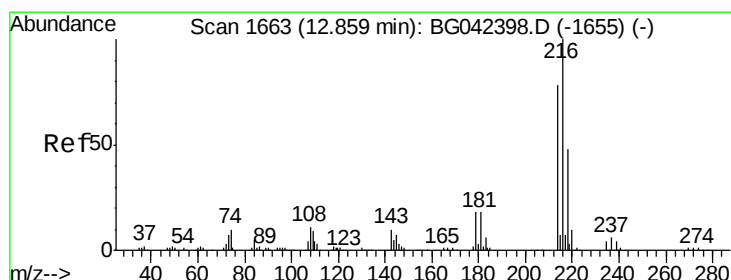
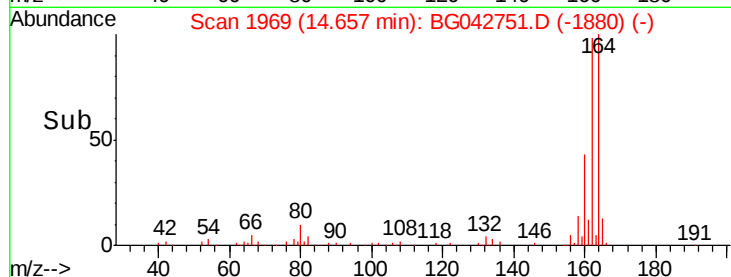
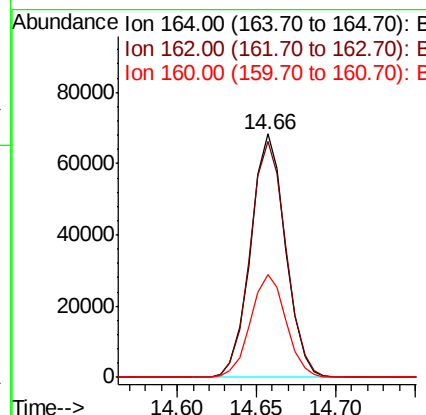
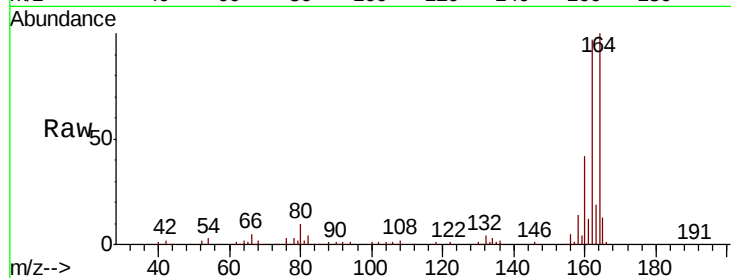
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.66 min Scan# 1969  
Delta R.T. -0.01 min  
Lab File: BG042751.D  
Acq: 6 Sep 2019 16:55

Instrument :  
BNA\_G  
ClientSampleId :  
PB122813BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 96.9  | 79.9  | 119.9 |
| 160     | 42.5  | 34.3  | 51.5  |

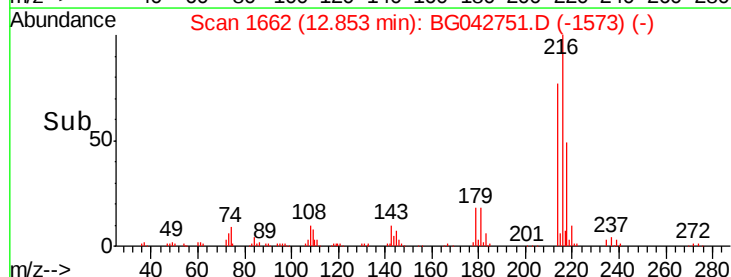
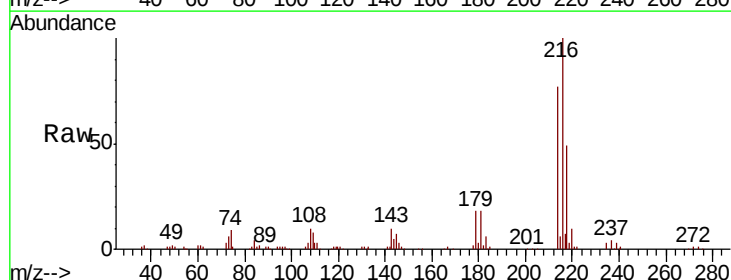
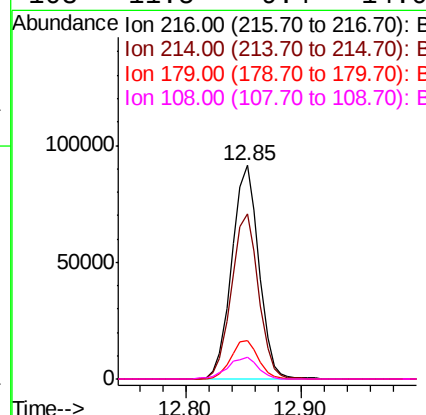
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#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 44.356 ng  
RT: 12.85 min Scan# 1662  
Delta R.T. -0.01 min  
Lab File: BG042751.D  
Acq: 6 Sep 2019 16:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 216     | 100   |       |       |
| 214     | 77.3  | 61.4  | 92.2  |
| 179     | 18.1  | 15.1  | 22.7  |
| 108     | 11.5  | 9.4   | 14.0  |





#41

Hexachlorocyclopentadiene

Concen: 53.323 ng

RT: 12.83 min Scan# 1658

Delta R.T. -0.01 min

Lab File: BG042751.D

Acq: 6 Sep 2019 16:55

Instrument :

BNA\_G

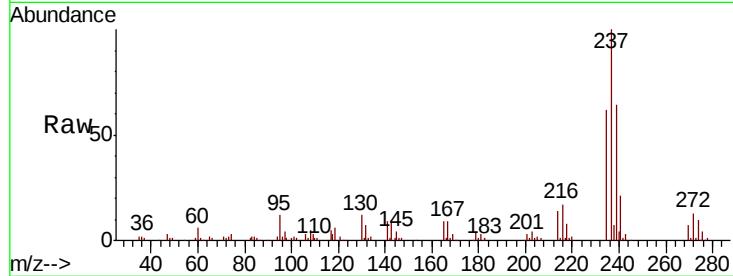
ClientSampleId :

PB122813BS

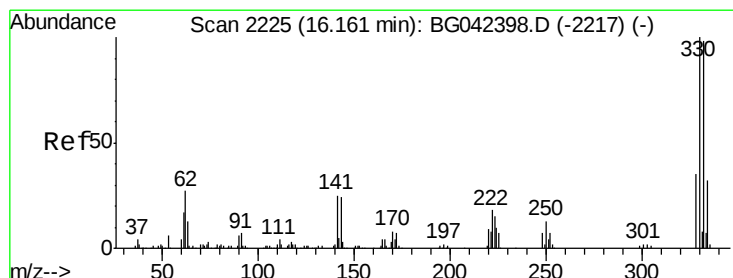
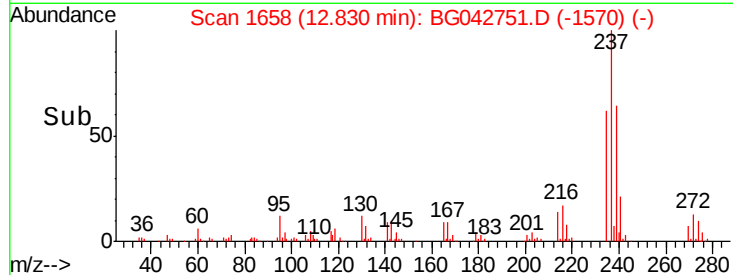
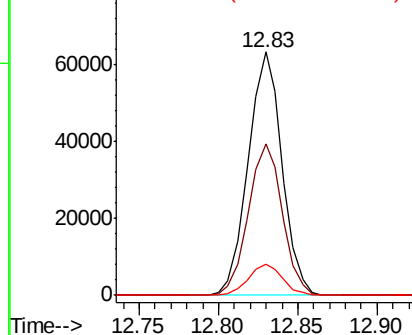
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 237   | Resp: | 93534 |
| Ion Ratio | Lower | Upper |       |
| 237       | 100   |       |       |
| 235       | 62.3  | 43.7  | 83.7  |
| 272       | 12.8  | 0.0   | 33.3  |

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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: 130.718 ng

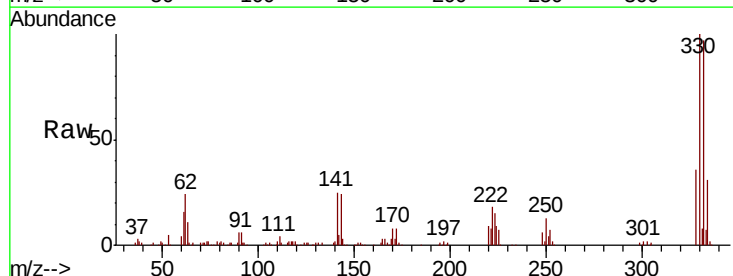
RT: 16.16 min Scan# 2224

Delta R.T. -0.01 min

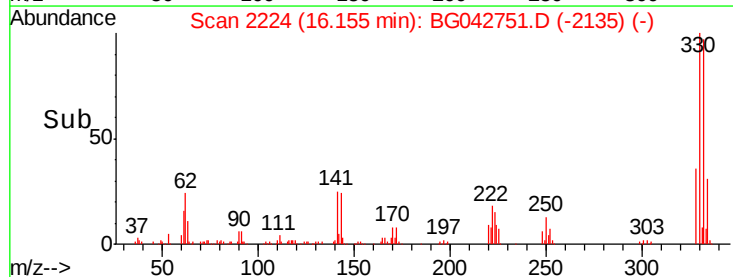
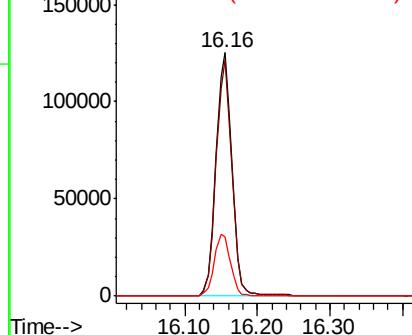
Lab File: BG042751.D

Acq: 6 Sep 2019 16:55

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 330   | Resp: | 193198 |
| Ion Ratio | Lower | Upper |        |
| 330       | 100   |       |        |
| 332       | 95.6  | 77.4  | 116.0  |
| 141       | 25.9  | 21.4  | 32.0   |



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





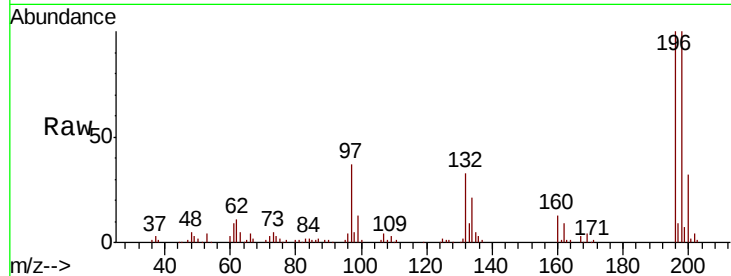
#43  
 2,4,6-Trichlorophenol  
 Concen: 43.952 ng  
 RT: 13.09 min Scan# 1703  
 Delta R.T. -0.01 min  
 Lab File: BG042751.D  
 Acq: 6 Sep 2019 16:55

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB122813BS

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 196     | 100   | 99208 |       |       |
| 198     | 99.9  | 80.7  | 121.1 |       |
| 200     | 32.3  | 25.7  | 38.5  |       |

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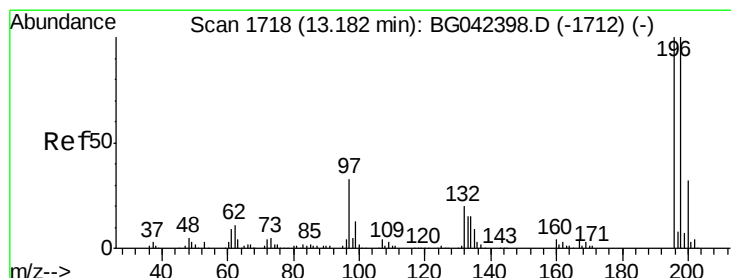
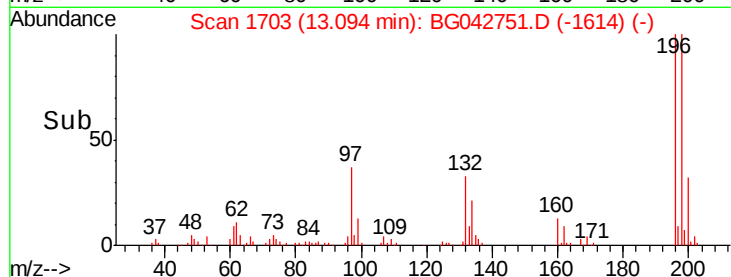
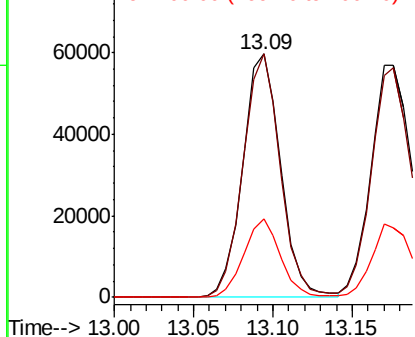


Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#44  
 2,4,5-Trichlorophenol  
 Concen: 45.472 ng  
 RT: 13.17 min Scan# 1716  
 Delta R.T. -0.01 min  
 Lab File: BG042751.D  
 Acq: 6 Sep 2019 16:55

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 106362 |       |       |
| 198     | 95.4  | 80.2   | 120.4 |       |
| 97      | 31.9  | 26.3   | 39.5  |       |
| 132     | 21.1  | 16.6   | 24.8  |       |

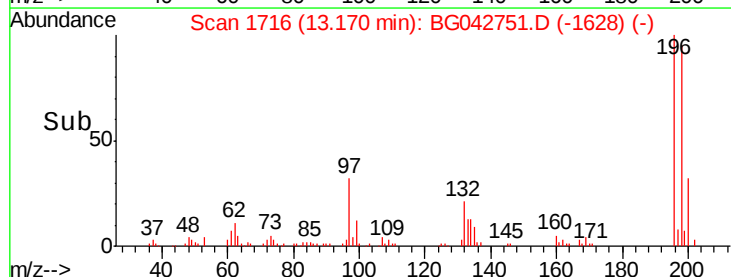
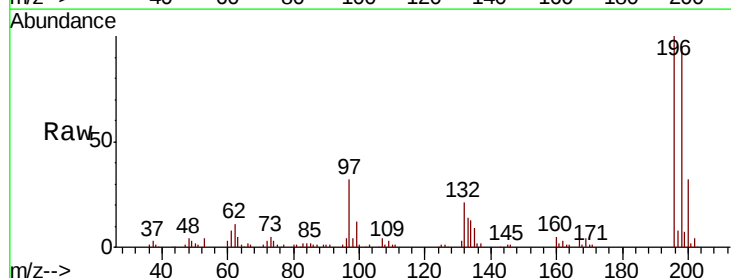
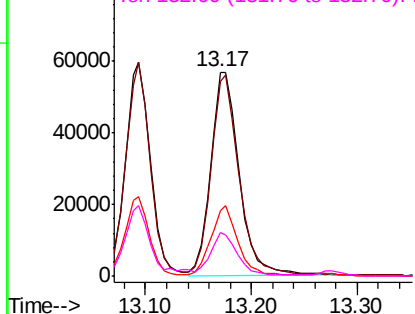
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BGC

Ion 132.00 (131.70 to 132.70): E





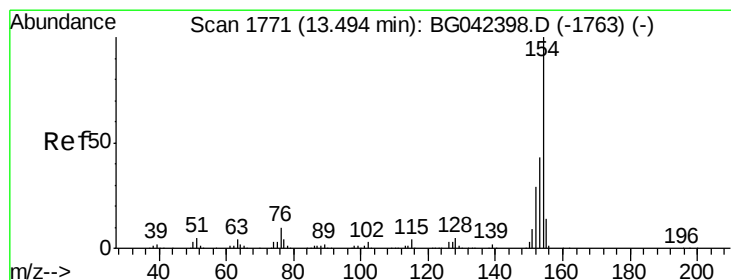
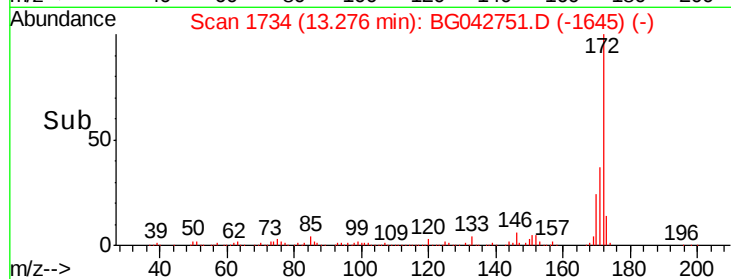
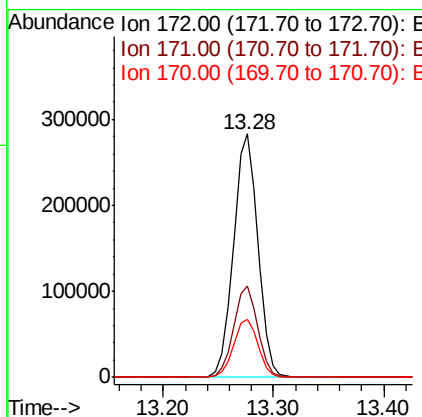
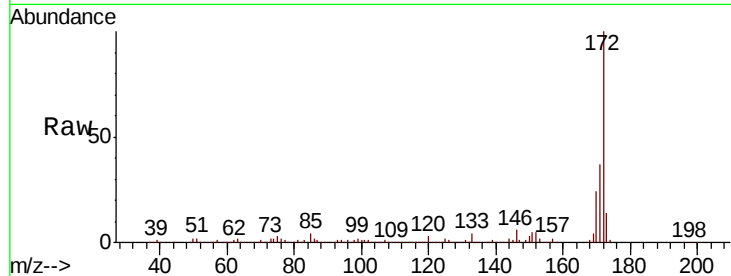
#45  
2-Fluorobiphenyl  
Concen: 71.279 ng  
RT: 13.28 min Scan# 1734  
Delta R.T. -0.01 min  
Lab File: BG042751.D  
Acq: 6 Sep 2019 16:55

Instrument :  
BNA\_G  
ClientSampleId :  
PB122813BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.3  | 30.5  | 45.7  |
| 170     | 23.9  | 20.2  | 30.2  |

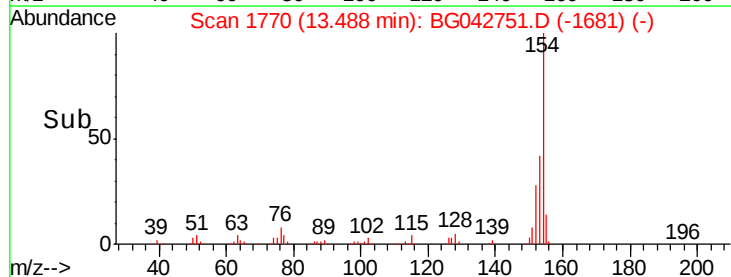
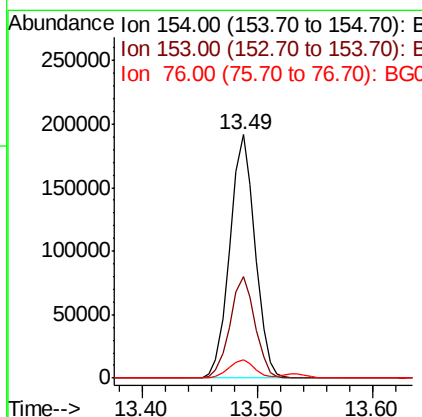
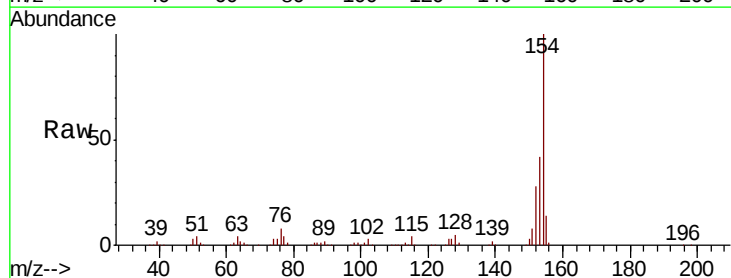
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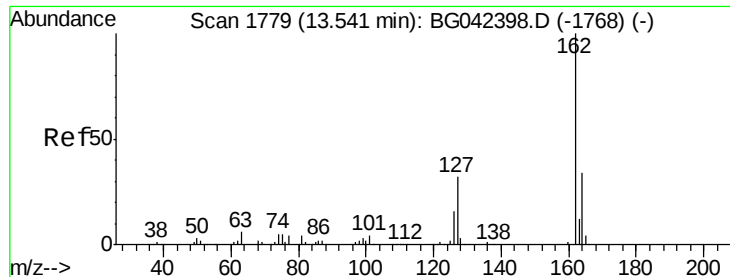
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#46  
1,1'-Biphenyl  
Concen: 43.183 ng  
RT: 13.49 min Scan# 1770  
Delta R.T. -0.01 min  
Lab File: BG042751.D  
Acq: 6 Sep 2019 16:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 41.8  | 23.0  | 63.0  |
| 76      | 7.7   | 0.0   | 29.6  |





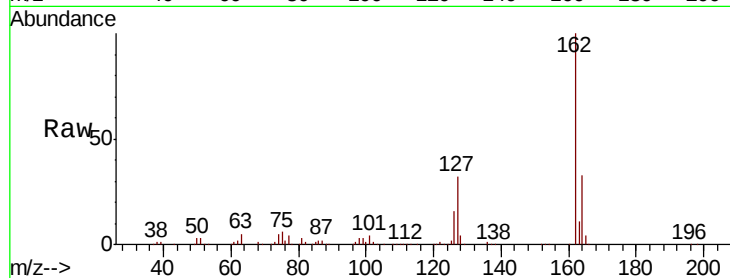
#47  
2-Chloronaphthalene  
Concen: 41.132 ng  
RT: 13.53 min Scan# 1778  
Delta R.T. -0.01 min  
Lab File: BG042751.D  
Acq: 6 Sep 2019 16:55

Instrument :  
BNA\_G  
ClientSampleId :  
PB122813BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 162     | 100   |      |       |       |
| 127     | 32.2  | 26.0 | 39.0  |       |
| 164     | 33.4  | 27.4 | 41.0  |       |

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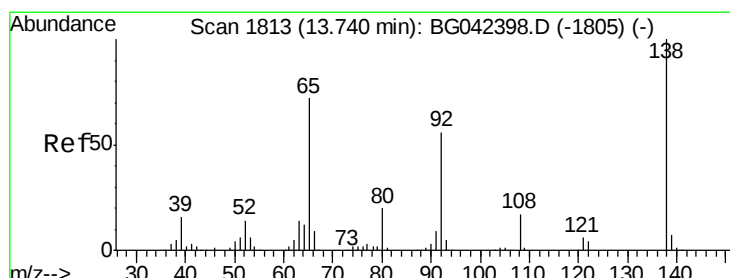
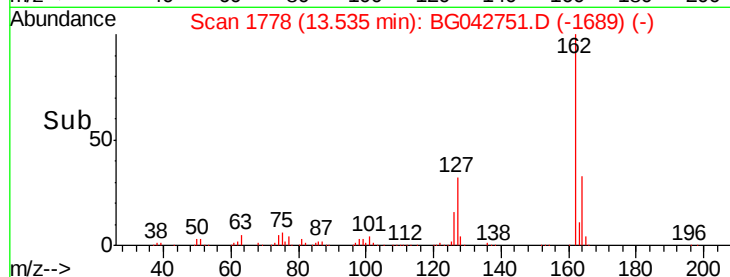
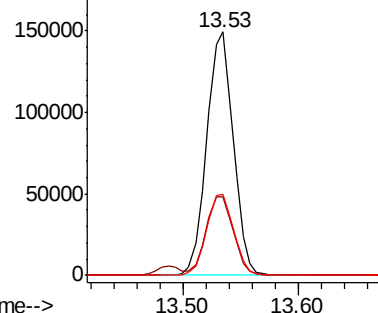


Abundance

Ion 162.00 (161.70 to 162.70): E

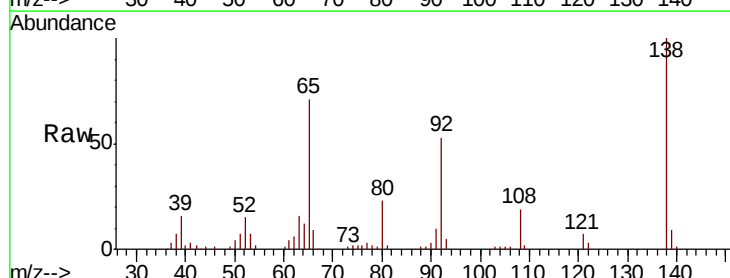
Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#48  
2-Nitroaniline  
Concen: 38.486 ng  
RT: 13.73 min Scan# 1812  
Delta R.T. -0.01 min  
Lab File: BG042751.D  
Acq: 6 Sep 2019 16:55

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 65      | 100   |       |       |       |
| 92      | 73.7  | 61.8  | 92.6  |       |
| 138     | 140.2 | 111.0 | 166.6 |       |

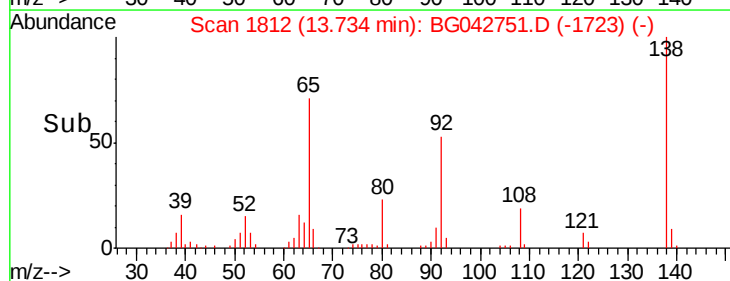
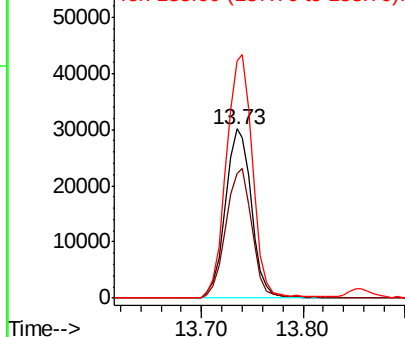


Abundance

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: 43.539 ng

RT: 14.38 min Scan# 1922

Delta R.T. -0.01 min

Lab File: BG042751.D

Acq: 6 Sep 2019 16:55

Instrument :

BNA\_G

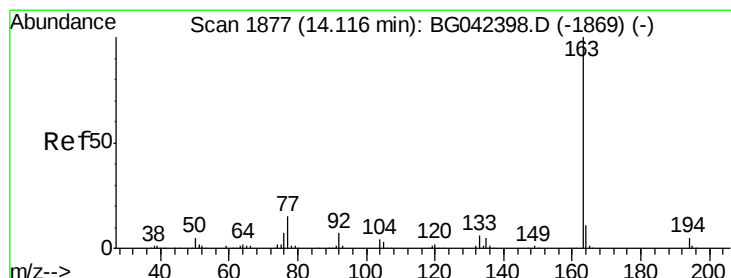
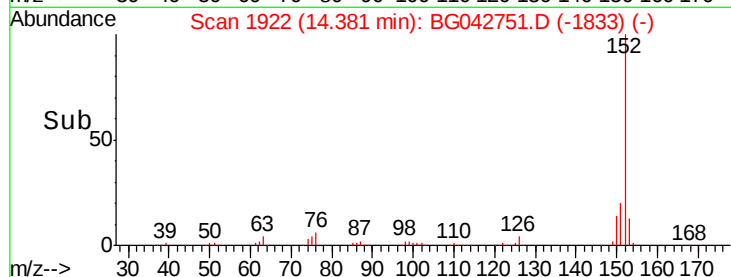
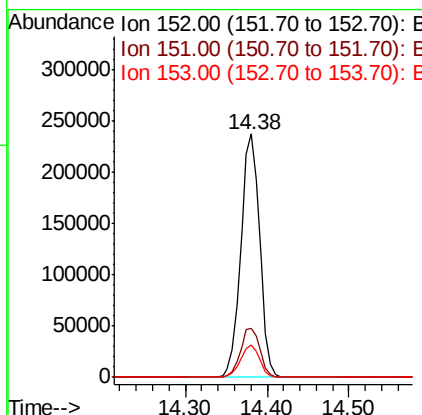
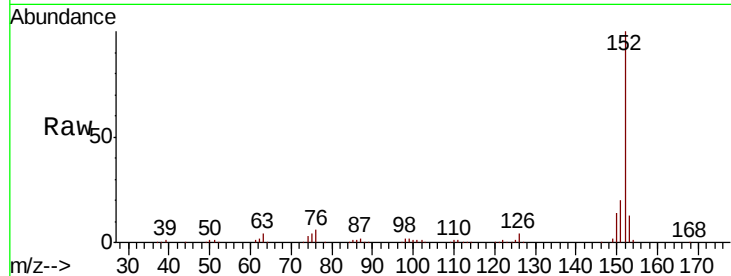
ClientSampleId :

PB122813BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 152   | Resp: | 379648 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 151       | 20.3  | 17.0  | 25.4   |
| 153       | 13.2  | 10.6  | 16.0   |

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#50

Dimethylphthalate

Concen: 43.651 ng

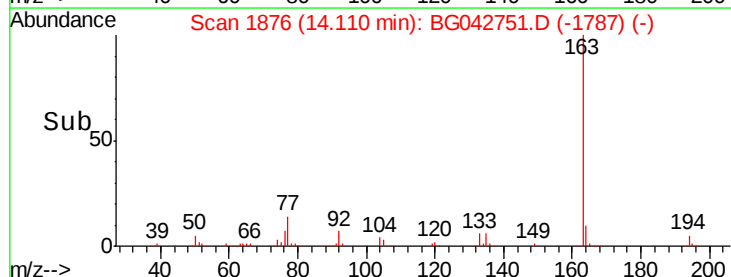
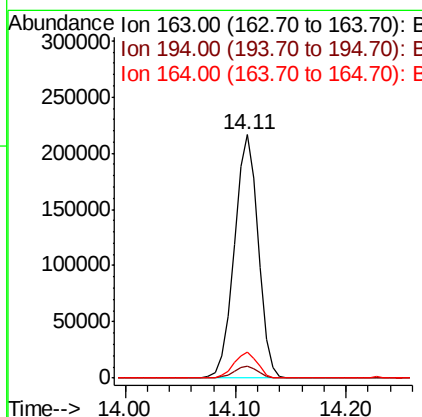
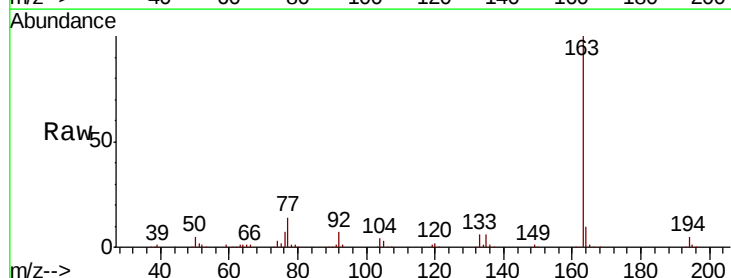
RT: 14.11 min Scan# 1876

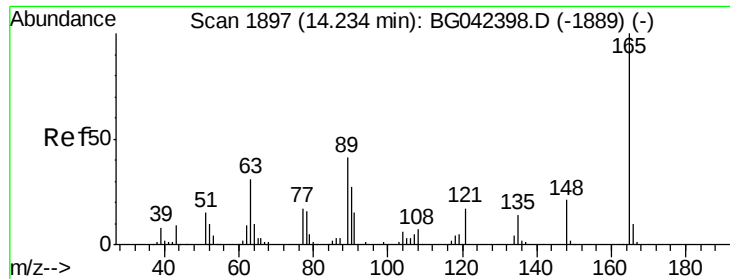
Delta R.T. -0.01 min

Lab File: BG042751.D

Acq: 6 Sep 2019 16:55

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 163   | Resp: | 327507 |
| Ion Ratio | Lower | Upper |        |
| 163       | 100   |       |        |
| 194       | 5.0   | 4.2   | 6.2    |
| 164       | 10.5  | 8.8   | 13.2   |





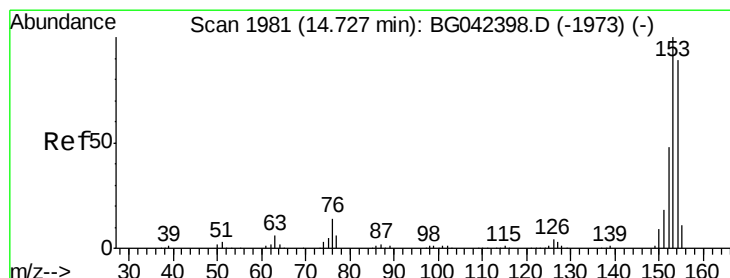
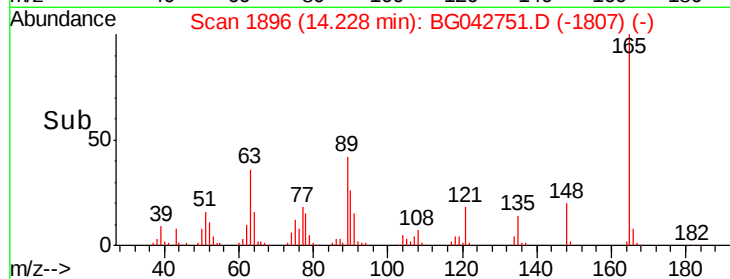
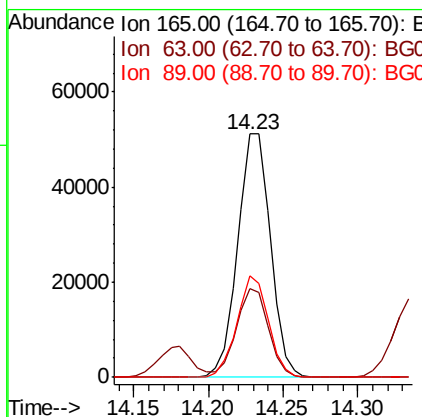
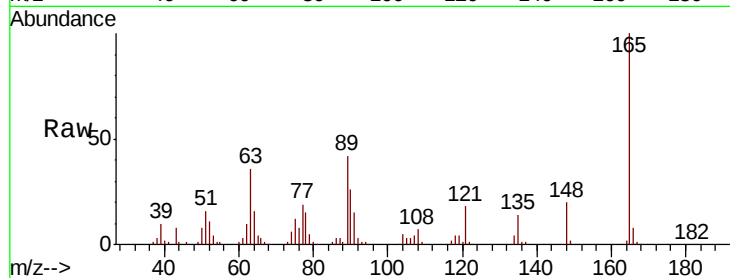
#51  
2,6-Dinitrotoluene  
Concen: 45.033 ng  
RT: 14.23 min Scan# 1896  
Delta R.T. -0.01 min  
Lab File: BG042751.D  
Acq: 6 Sep 2019 16:55

Instrument :  
BNA\_G  
ClientSampleId :  
PB122813BS

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 165     | 100   | 78318 |       |       |
| 63      | 36.4  |       | 30.6  | 45.8  |
| 89      | 41.5  |       | 32.6  | 49.0  |

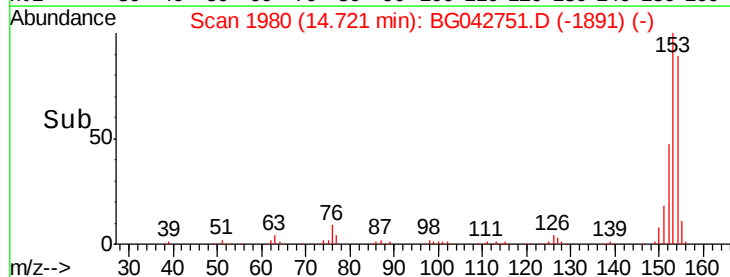
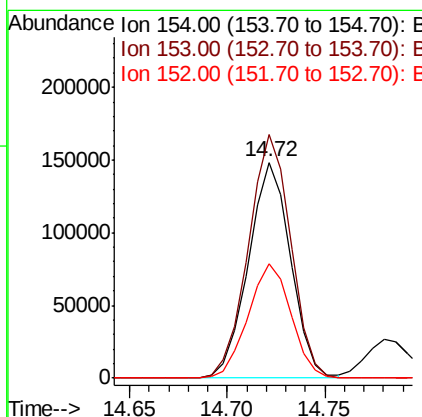
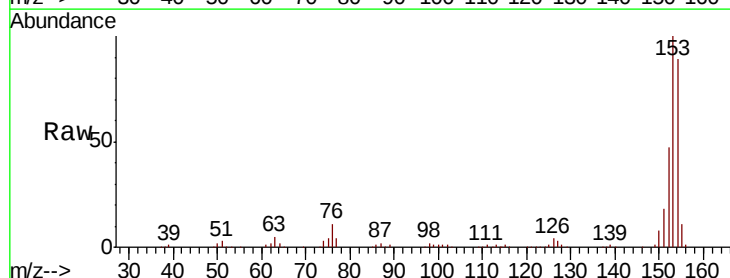
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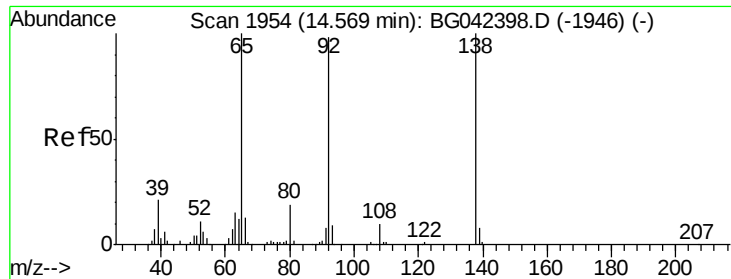
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#52  
Acenaphthene  
Concen: 41.998 ng  
RT: 14.72 min Scan# 1980  
Delta R.T. -0.01 min  
Lab File: BG042751.D  
Acq: 6 Sep 2019 16:55

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 154     | 100   | 222368 |       |       |
| 153     | 112.9 |        | 90.2  | 135.4 |
| 152     | 52.9  |        | 43.2  | 64.8  |





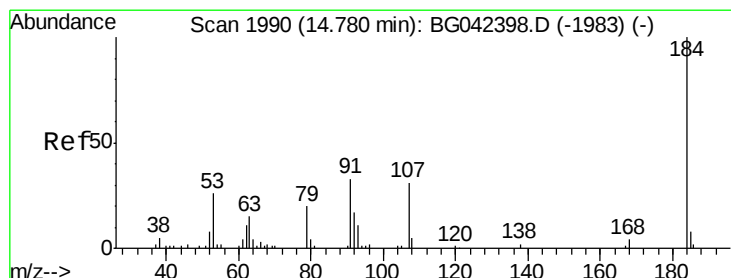
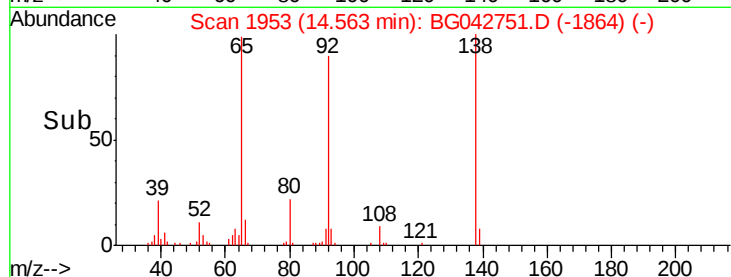
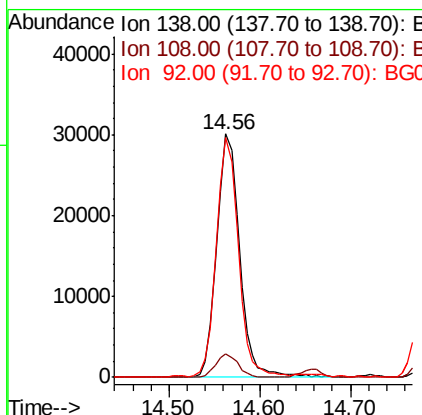
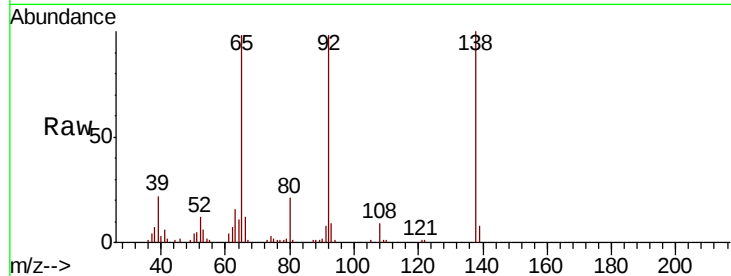
#53  
3-Nitroaniline  
Concen: 30.335 ng  
RT: 14.56 min Scan# 1953  
Delta R.T. -0.01 min  
Lab File: BG042751.D  
Acq: 6 Sep 2019 16:55

Instrument :  
BNA\_G  
ClientSampleId :  
PB122813BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 108     | 9.4   | 8.3   | 12.5  |
| 92      | 98.3  | 78.2  | 117.4 |

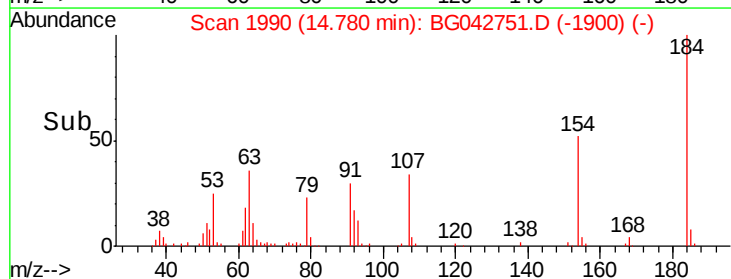
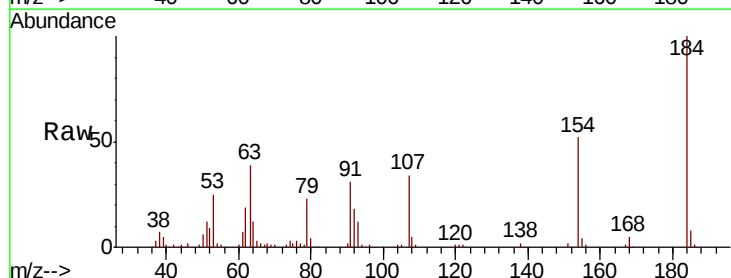
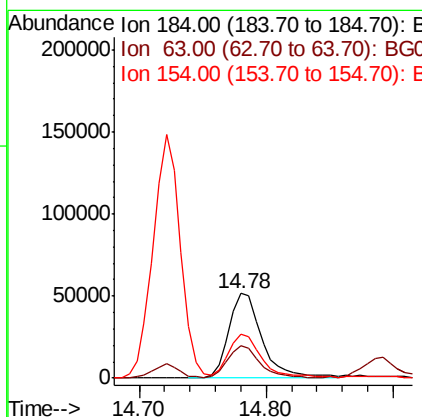
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#54  
2,4-Dinitrophenol  
Concen: 80.230 ng  
RT: 14.78 min Scan# 1990  
Delta R.T. 0.00 min  
Lab File: BG042751.D  
Acq: 6 Sep 2019 16:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 63      | 38.7  | 31.7  | 47.5  |
| 154     | 52.5  | 42.0  | 63.0  |





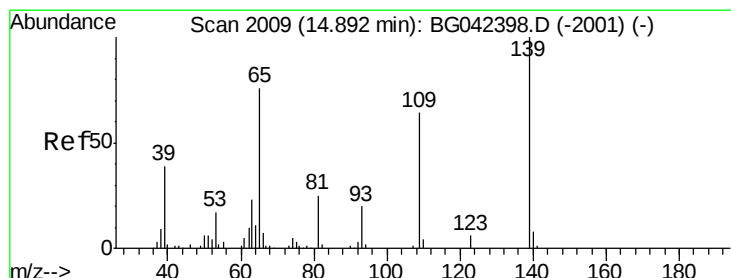
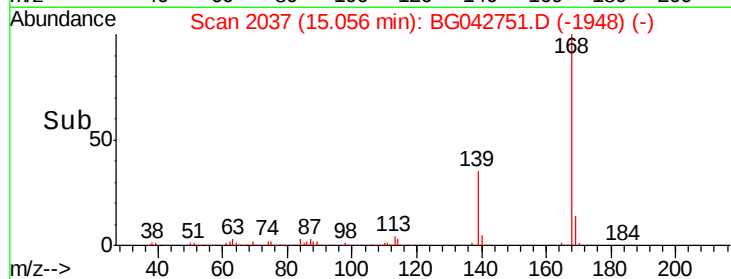
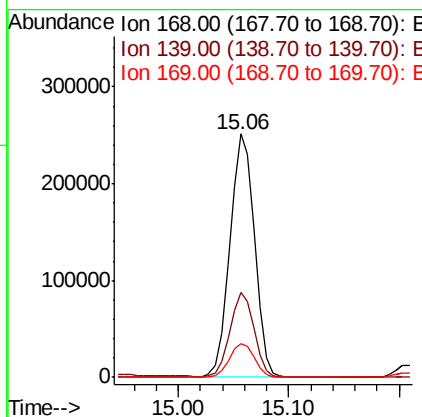
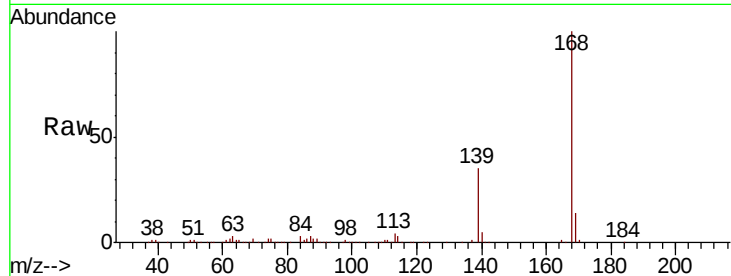
#55  
Dibenzofuran  
Concen: 44.814 ng  
RT: 15.06 min Scan# 2037  
Delta R.T. -0.01 min  
Lab File: BG042751.D  
Acq: 6 Sep 2019 16:55

Instrument :  
BNA\_G  
ClientSampleId :  
PB122813BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 168     | 100   | 392760 |       |       |
| 139     | 34.9  | 27.2   | 40.8  |       |
| 169     | 13.9  | 11.5   | 17.3  |       |

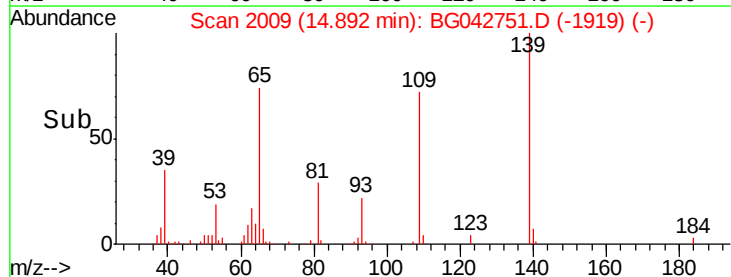
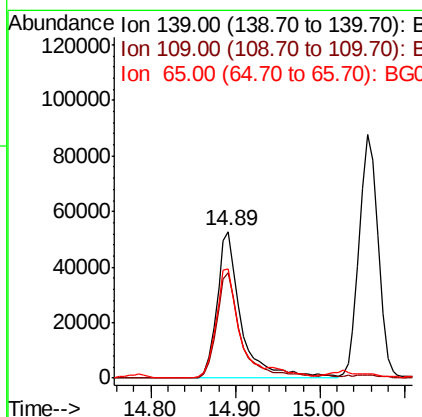
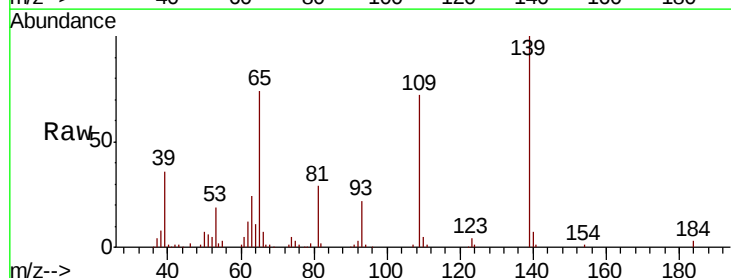
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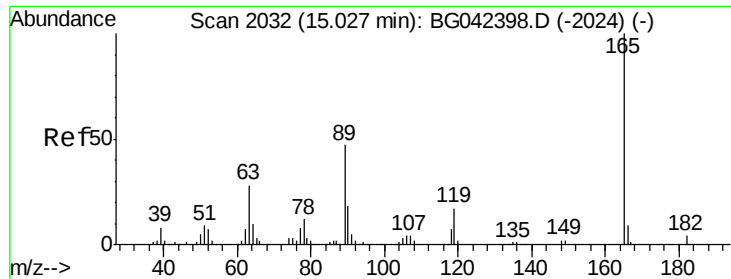
mohammad  
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#56  
4-Nitrophenol  
Concen: 85.244 ng  
RT: 14.89 min Scan# 2009  
Delta R.T. -0.00 min  
Lab File: BG042751.D  
Acq: 6 Sep 2019 16:55

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 139     | 100   | 105352 |       |       |
| 109     | 72.1  | 43.9   | 83.9  |       |
| 65      | 74.3  | 56.3   | 96.3  |       |





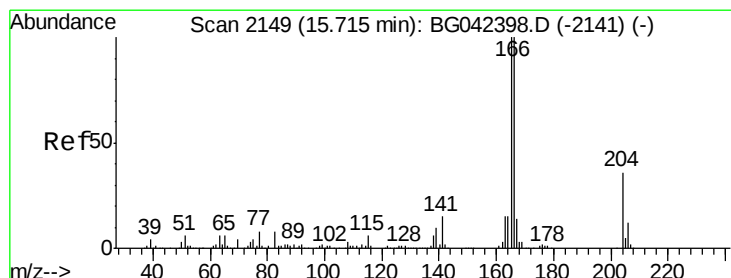
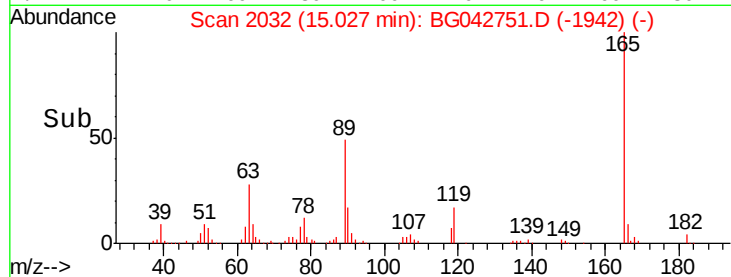
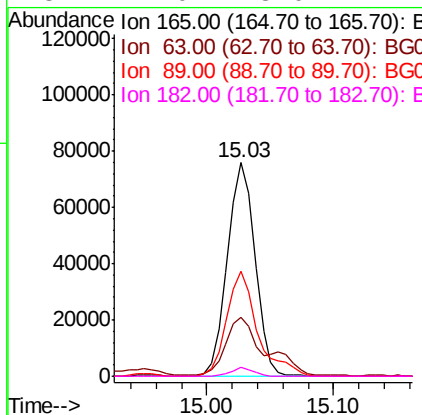
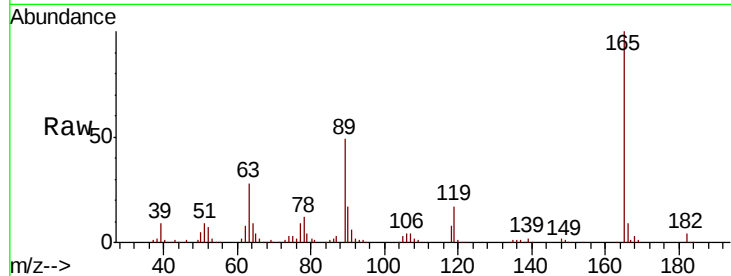
#57  
 2,4-Dinitrotoluene  
 Concen: 45.908 ng  
 RT: 15.03 min Scan# 2032  
 Delta R.T. -0.00 min  
 Lab File: BG042751.D  
 Acq: 6 Sep 2019 16:55

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB122813BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 165   | Resp: | 114329 |
| Ion Ratio | Lower | Upper |        |
| 165       | 100   |       |        |
| 63        | 27.8  | 22.5  | 33.7   |
| 89        | 49.0  | 37.8  | 56.6   |
| 182       | 4.0   | 3.0   | 4.4    |

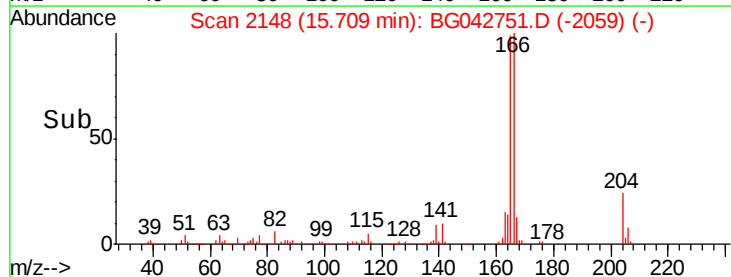
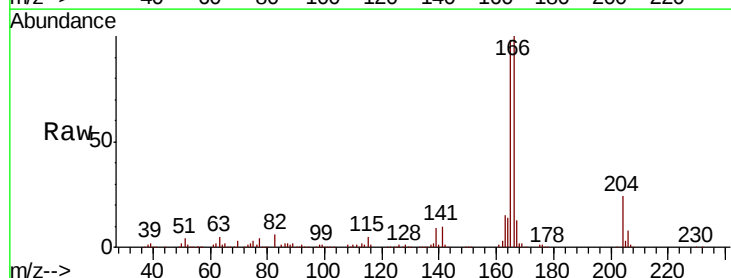
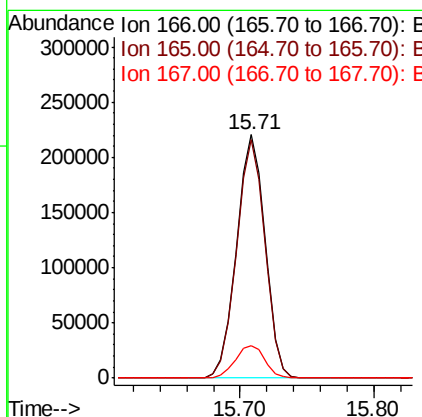
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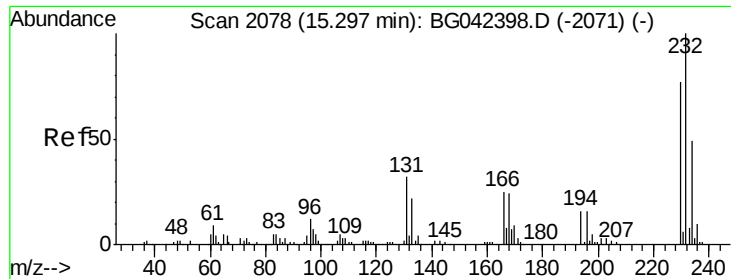
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#58  
 Fluorene  
 Concen: 45.417 ng  
 RT: 15.71 min Scan# 2148  
 Delta R.T. -0.01 min  
 Lab File: BG042751.D  
 Acq: 6 Sep 2019 16:55

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 166   | Resp: | 325385 |
| Ion Ratio | Lower | Upper |        |
| 166       | 100   |       |        |
| 165       | 98.2  | 79.7  | 119.5  |
| 167       | 13.3  | 10.9  | 16.3   |





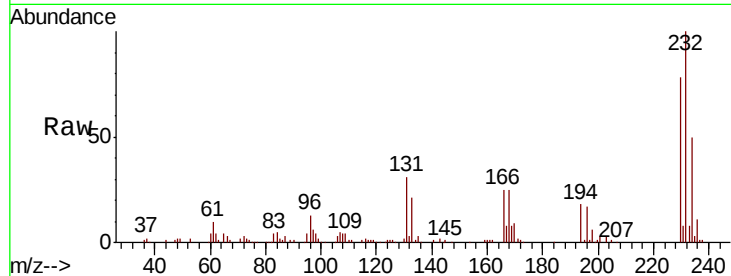
#59  
2,3,4,6-Tetrachlorophenol  
Concen: 46.597 ng  
RT: 15.29 min Scan# 2077  
Delta R.T. -0.01 min  
Lab File: BG042751.D  
Acq: 6 Sep 2019 16:55

Instrument :  
BNA\_G  
ClientSampled :  
PB122813BS

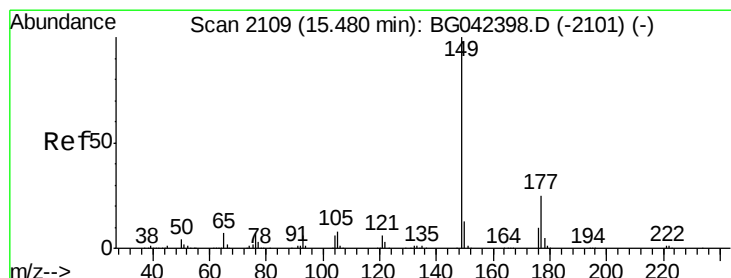
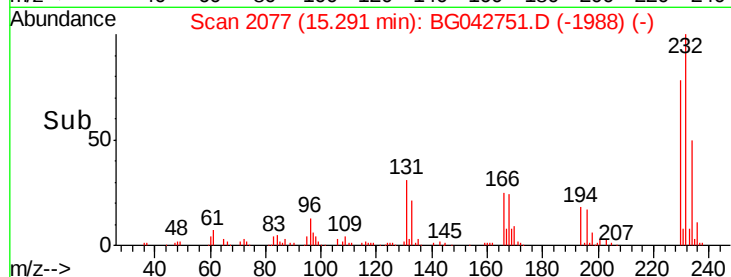
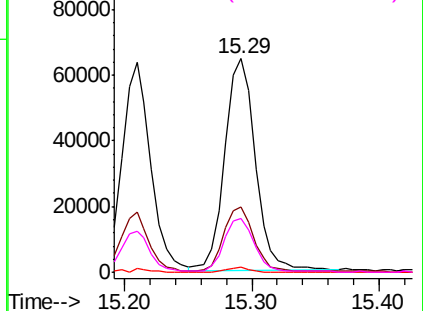
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 232     | 100   | 107785 |       |       |
| 131     | 30.2  |        | 22.9  | 34.3  |
| 130     | 1.7   |        | 1.4   | 2.0   |
| 166     | 24.8  |        | 17.0  | 25.4  |

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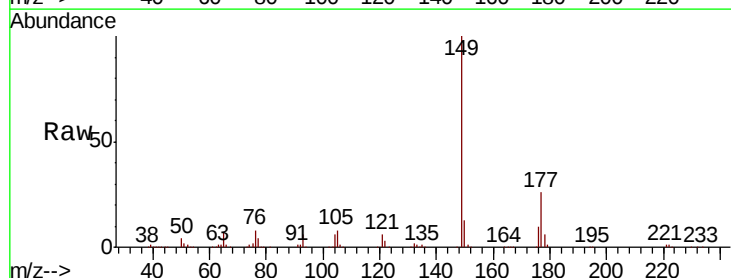


Abundance Ion 232.00 (231.70 to 232.70): E  
Ion 131.00 (130.70 to 131.70): E  
Ion 130.00 (129.70 to 130.70): E  
Ion 166.00 (165.70 to 166.70): E

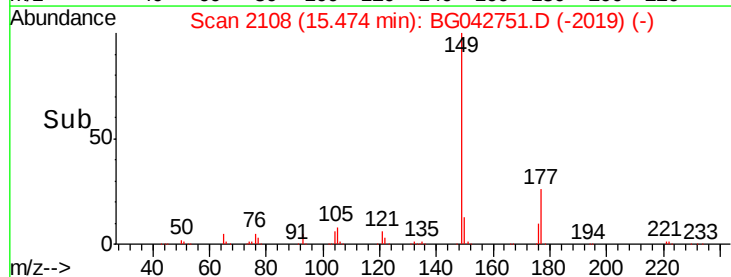
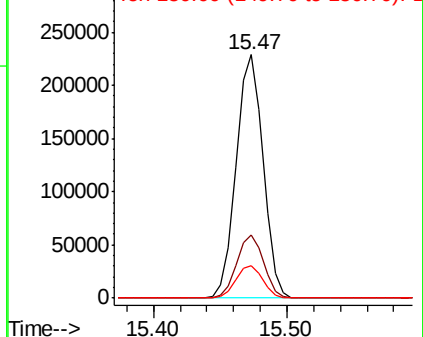


#60  
Diethylphthalate  
Concen: 43.626 ng  
RT: 15.47 min Scan# 2108  
Delta R.T. -0.01 min  
Lab File: BG042751.D  
Acq: 6 Sep 2019 16:55

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 319972 |       |       |
| 177     | 25.8  |        | 20.4  | 30.6  |
| 150     | 13.2  |        | 10.3  | 15.5  |



Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 177.00 (176.70 to 177.70): E  
Ion 150.00 (149.70 to 150.70): E





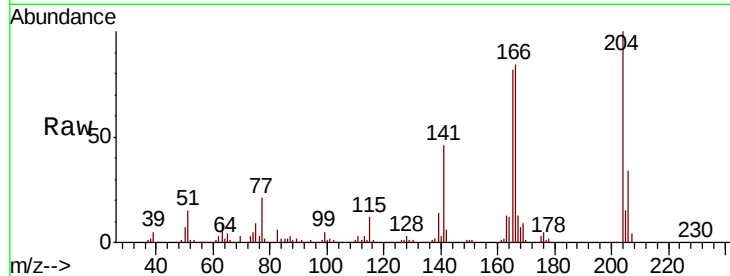
#61  
4-Chlorophenyl-phenylether  
Concen: 45.277 ng  
RT: 15.70 min Scan# 2146  
Delta R.T. -0.01 min  
Lab File: BG042751.D  
Acq: 6 Sep 2019 16:55

Instrument :  
BNA\_G  
ClientSampleId :  
PB122813BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 34.3  | 27.2  | 40.8  |
| 141     | 46.2  | 38.7  | 58.1  |

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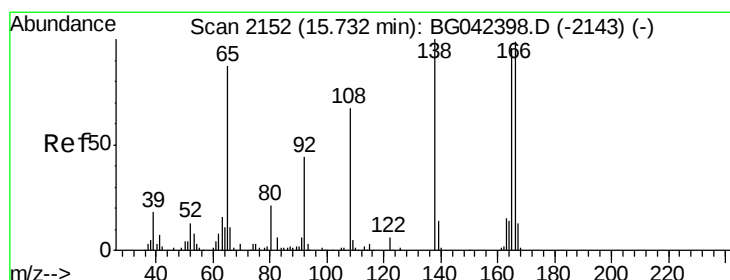
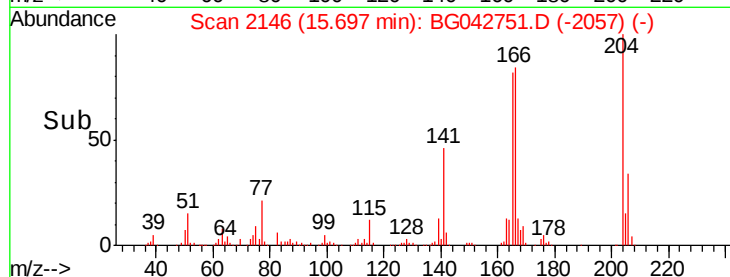
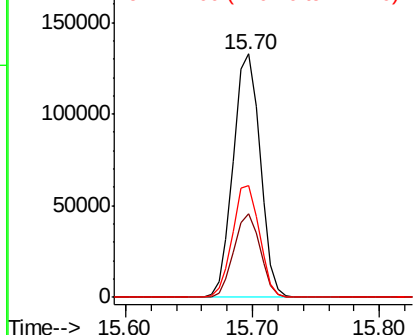


Abundance

Ion 204.00 (203.70 to 204.70): E

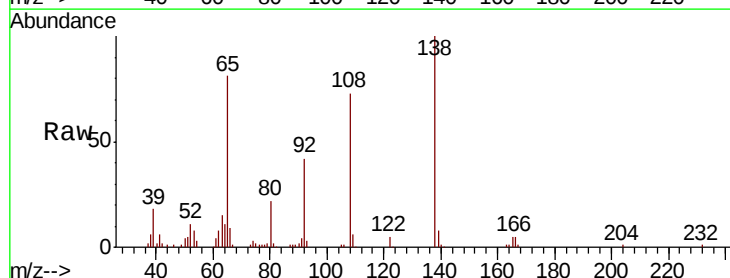
Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#62  
4-Nitroaniline  
Concen: 42.231 ng  
RT: 15.74 min Scan# 2153  
Delta R.T. 0.01 min  
Lab File: BG042751.D  
Acq: 6 Sep 2019 16:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 41.7  | 24.2  | 64.2  |
| 108     | 73.2  | 46.8  | 86.8  |

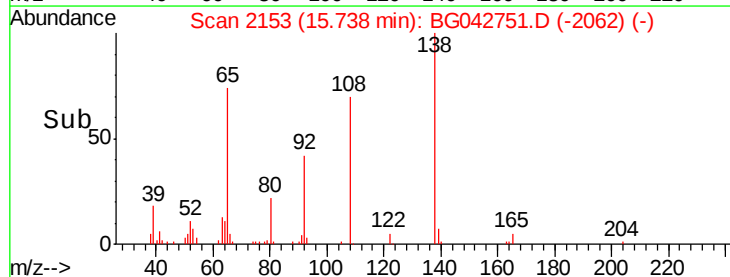
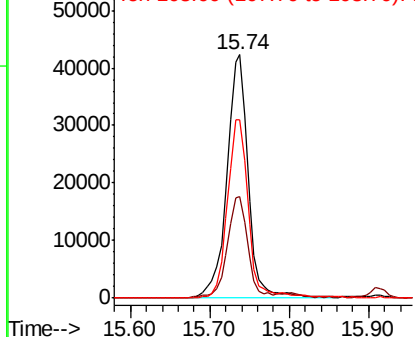


Abundance

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





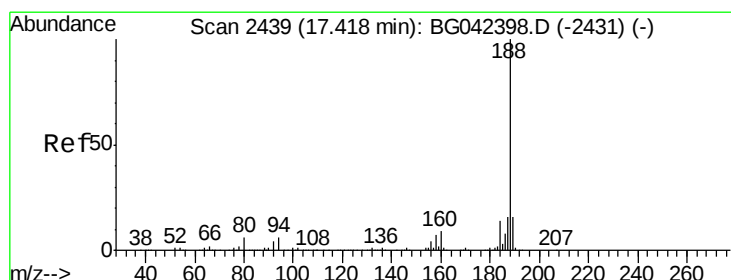
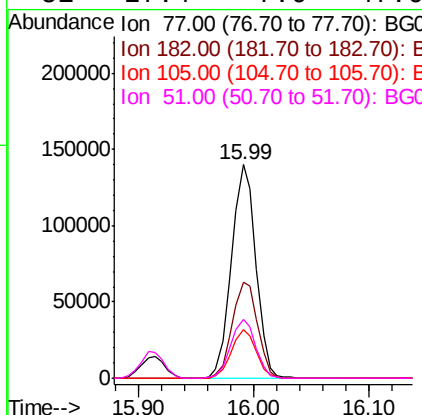
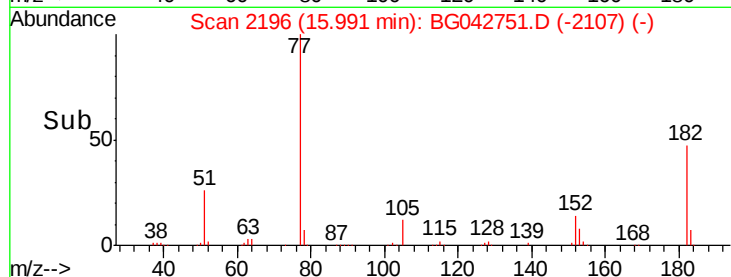
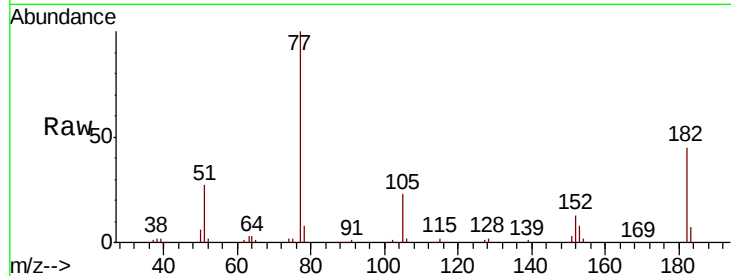
#63  
Azobenzene  
Concen: 40.716 ng  
RT: 15.99 min Scan# 2196  
Delta R.T. -0.01 min  
Lab File: BG042751.D  
Acq: 6 Sep 2019 16:55

Instrument :  
BNA\_G  
ClientSampleId :  
PB122813BS

| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 77      | 100  |       |      |       |       |
| 182     | 44.8 | 19.9  | 59.9 |       |       |
| 105     | 22.9 | 2.9   | 42.9 |       |       |
| 51      | 27.4 | 7.6   | 47.6 |       |       |

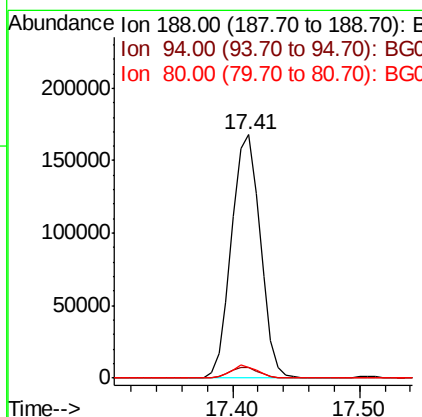
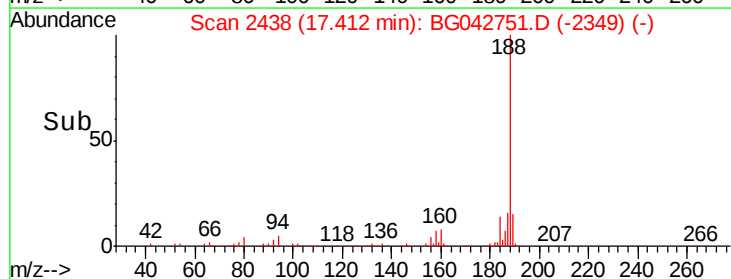
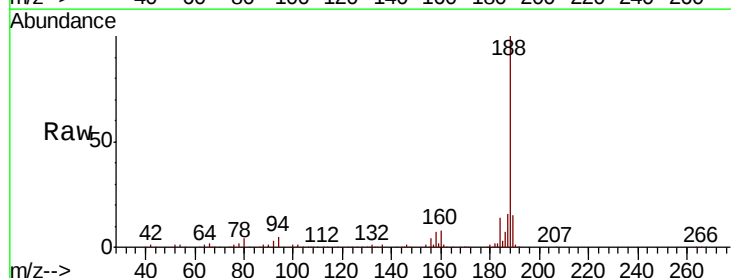
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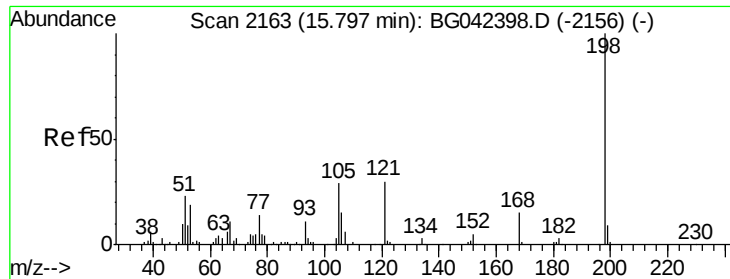
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#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.41 min Scan# 2438  
Delta R.T. -0.01 min  
Lab File: BG042751.D  
Acq: 6 Sep 2019 16:55

| Tgt Ion | Ion | Ratio | Resp | Lower | Upper |
|---------|-----|-------|------|-------|-------|
| 188     | 100 |       |      |       |       |
| 94      | 4.6 | 4.5   | 6.7  |       |       |
| 80      | 4.5 | 4.9   | 7.3  |       |       |





#65

4,6-Dinitro-2-methylphenol

Concen: 47.332 ng

RT: 15.80 min Scan# 2163

Delta R.T. -0.00 min

Lab File: BG042751.D

Acq: 6 Sep 2019 16:55

Instrument :

BNA\_G

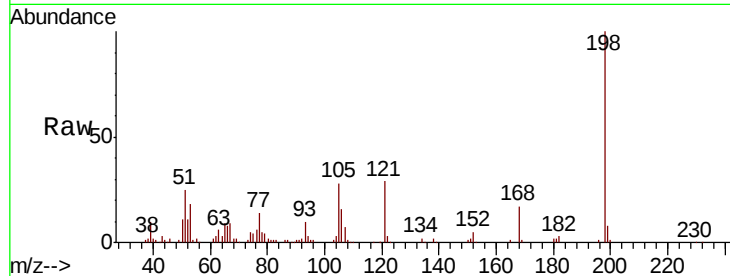
ClientSampleId :

PB122813BS

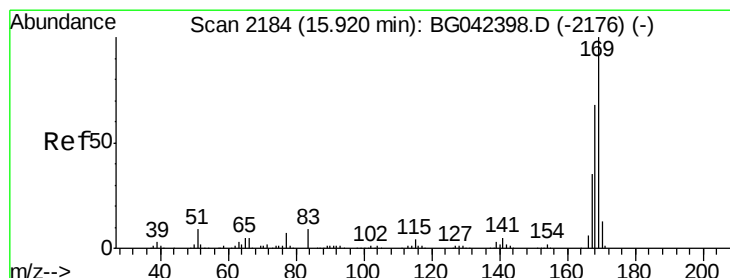
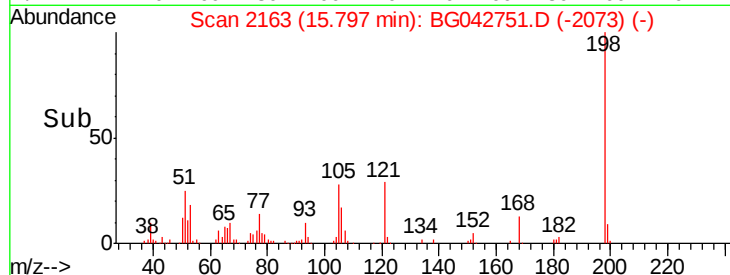
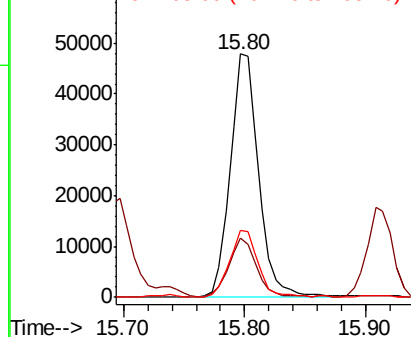
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 198   | Resp: | 78321 |
| Ion Ratio | Lower | Upper |       |
| 198       | 100   |       |       |
| 51        | 24.5  | 4.2   | 44.2  |
| 105       | 27.6  | 8.8   | 48.8  |

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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: 41.803 ng

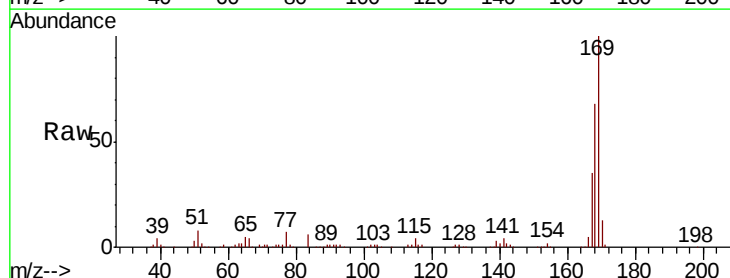
RT: 15.91 min Scan# 2183

Delta R.T. -0.01 min

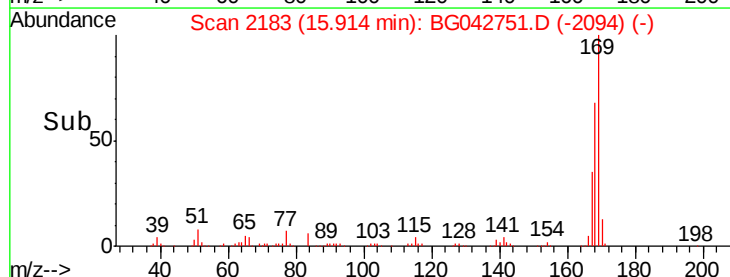
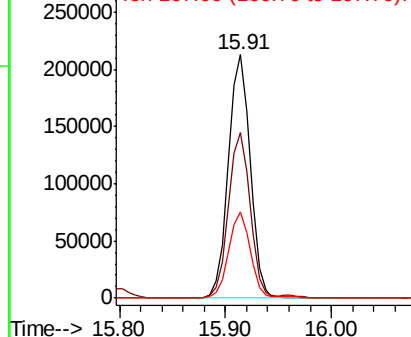
Lab File: BG042751.D

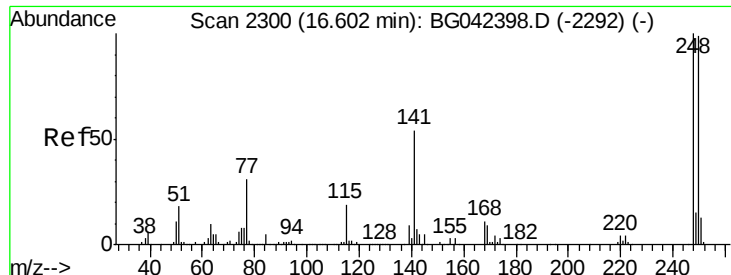
Acq: 6 Sep 2019 16:55

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 169   | Resp: | 303421 |
| Ion Ratio | Lower | Upper |        |
| 169       | 100   |       |        |
| 168       | 68.0  | 54.3  | 81.5   |
| 167       | 35.2  | 28.2  | 42.2   |



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





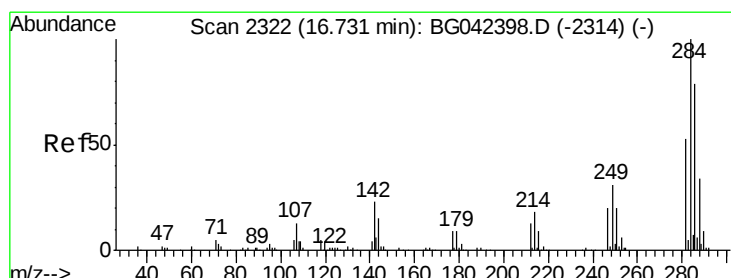
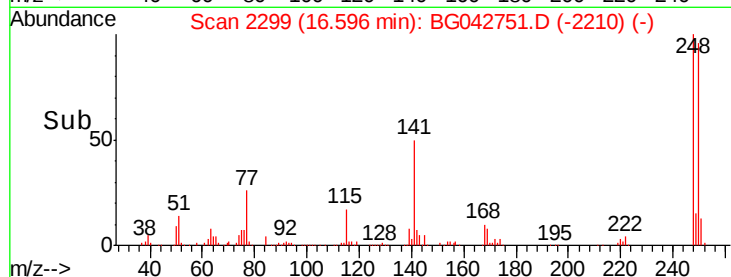
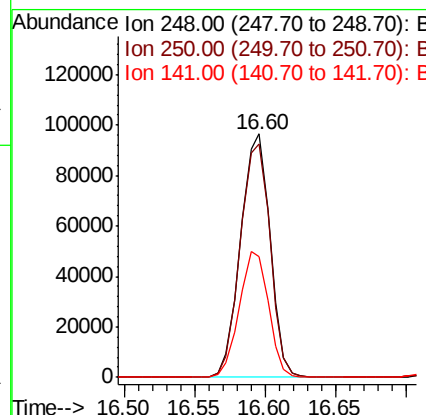
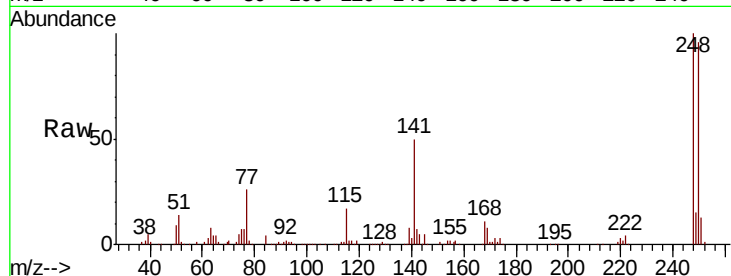
#67  
 4-Bromophenyl-phenylether  
 Concen: 41.943 ng  
 RT: 16.60 min Scan# 2299  
 Delta R.T. -0.01 min  
 Lab File: BG042751.D  
 Acq: 6 Sep 2019 16:55

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB122813BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 96.0  | 78.9  | 118.3 |
| 141     | 49.6  | 43.3  | 64.9  |

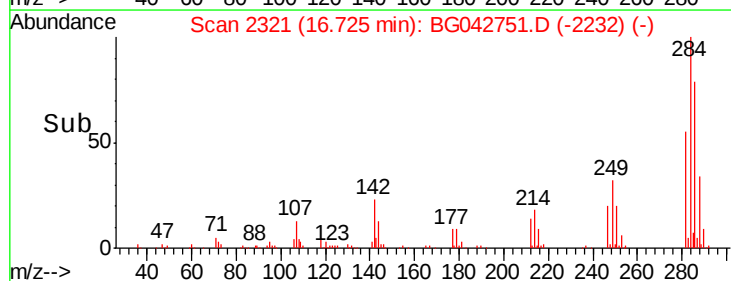
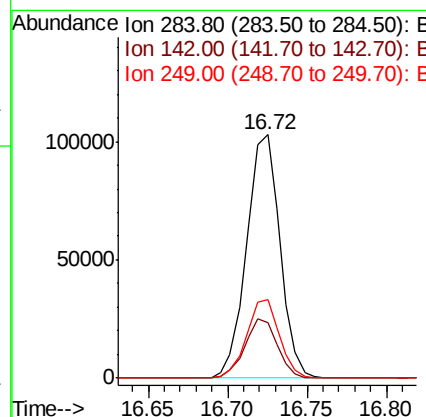
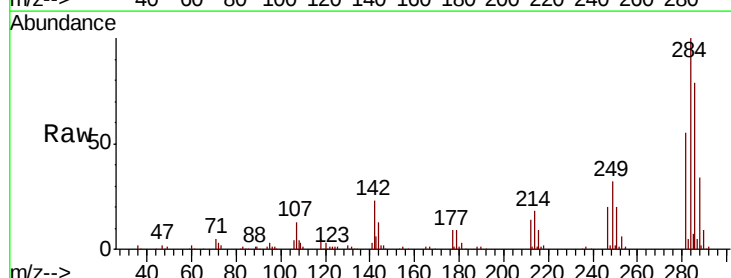
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#68  
 Hexachlorobenzene  
 Concen: 41.285 ng  
 RT: 16.72 min Scan# 2321  
 Delta R.T. -0.01 min  
 Lab File: BG042751.D  
 Acq: 6 Sep 2019 16:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 22.9  | 18.2  | 27.4  |
| 249     | 32.0  | 25.0  | 37.4  |





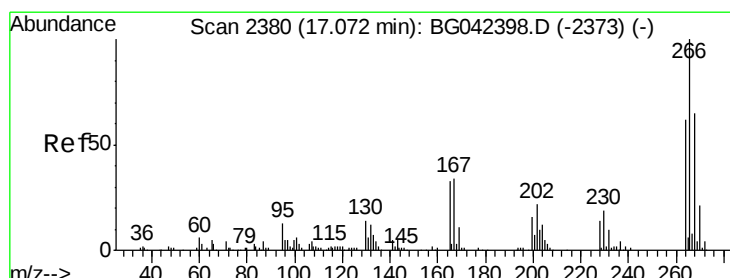
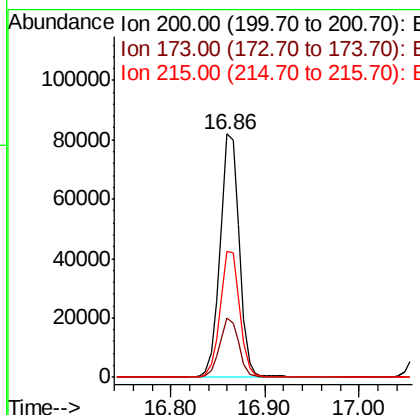
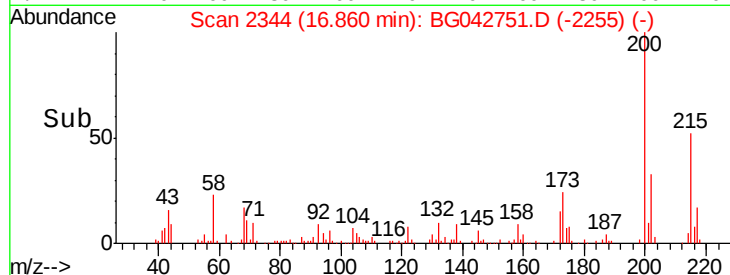
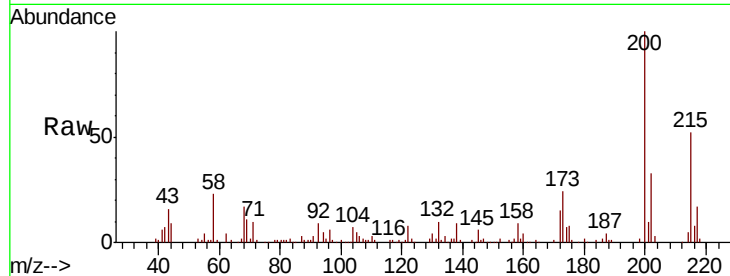
#69  
 Atrazine  
 Concen: 45.647 ng  
 RT: 16.86 min Scan# 2344  
 Delta R.T. -0.01 min  
 Lab File: BG042751.D  
 Acq: 6 Sep 2019 16:55

Instrument :  
 BNA\_G  
 ClientSampled :  
 PB122813BS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 200     | 100   |            |       |
| 173     | 24.4  | 4.9        | 44.9  |
| 215     | 51.9  | 30.7       | 70.7  |

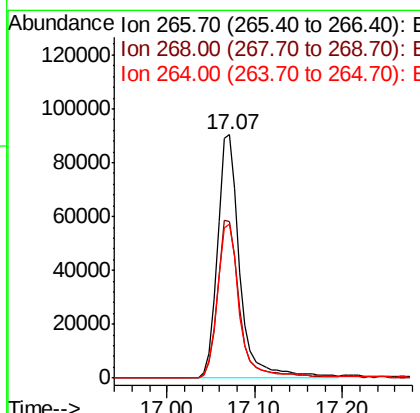
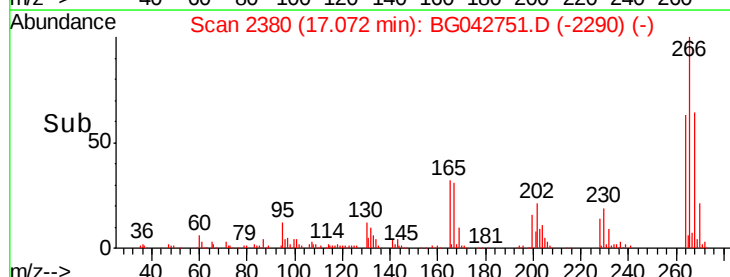
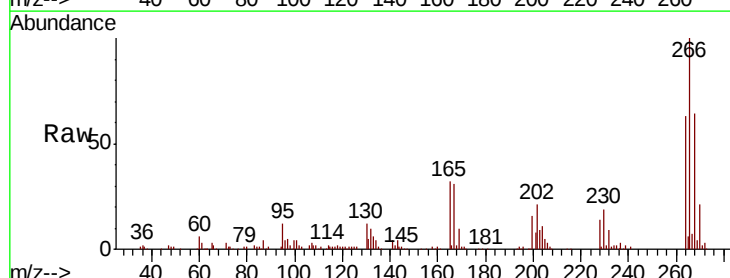
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#70  
 Pentachlorophenol  
 Concen: 85.133 ng  
 RT: 17.07 min Scan# 2380  
 Delta R.T. -0.00 min  
 Lab File: BG042751.D  
 Acq: 6 Sep 2019 16:55

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 266     | 100   |            |       |
| 268     | 64.4  | 52.1       | 78.1  |
| 264     | 63.2  | 49.4       | 74.2  |





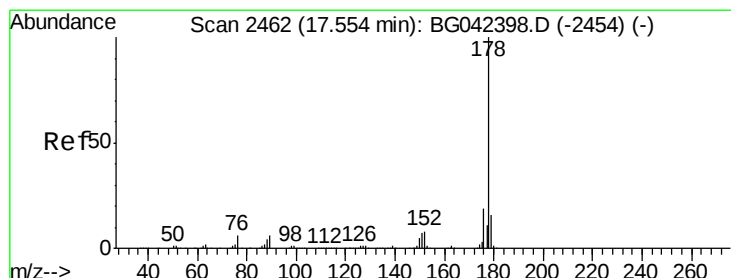
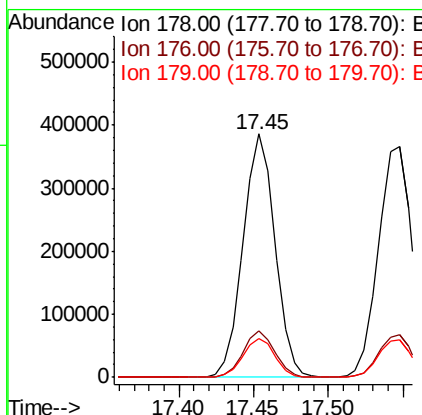
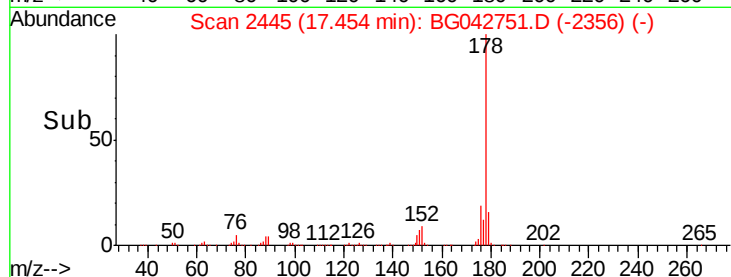
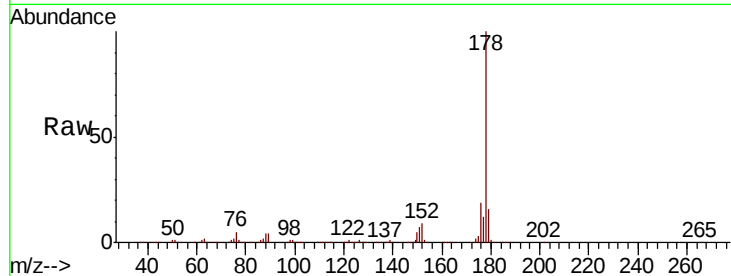
#71  
Phenanthrene  
Concen: 43.547 ng  
RT: 17.45 min Scan# 2445  
Delta R.T. -0.01 min  
Lab File: BG042751.D  
Acq: 6 Sep 2019 16:55

Instrument :  
BNA\_G  
ClientSampleId :  
PB122813BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.3  | 15.9  | 23.9  |
| 179     | 16.1  | 12.7  | 19.1  |

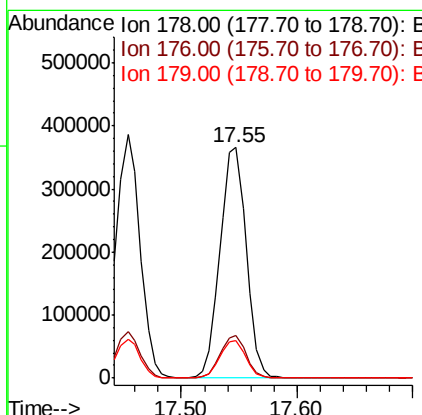
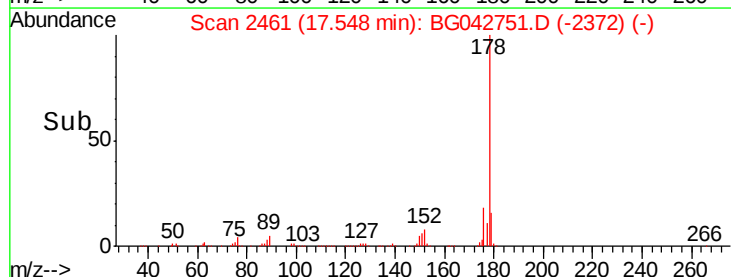
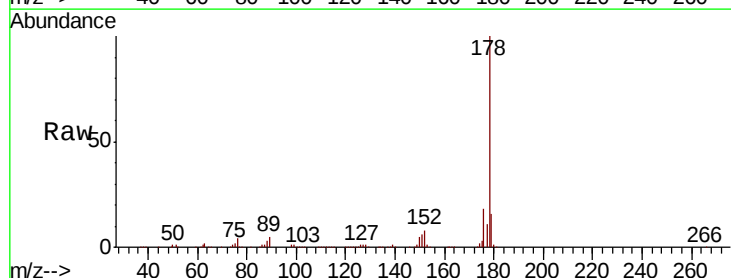
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#72  
Anthracene  
Concen: 43.928 ng  
RT: 17.55 min Scan# 2461  
Delta R.T. -0.01 min  
Lab File: BG042751.D  
Acq: 6 Sep 2019 16:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.4  | 15.5  | 23.3  |
| 179     | 16.3  | 12.9  | 19.3  |





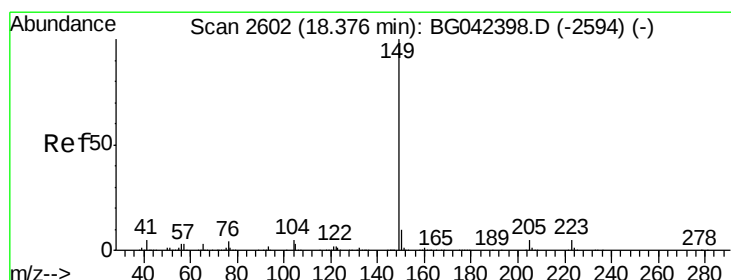
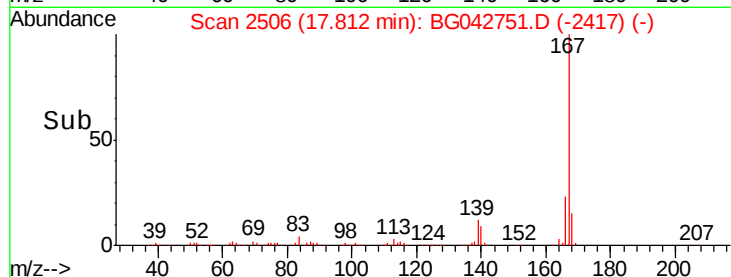
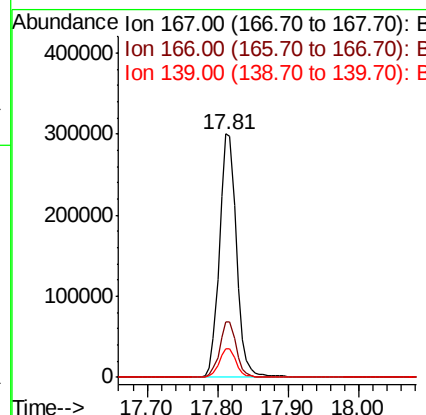
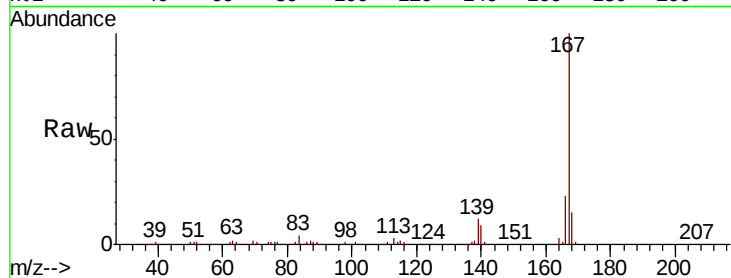
#73  
 Carbazole  
 Concen: 43.298 ng  
 RT: 17.81 min Scan# 2506  
 Delta R.T. -0.01 min  
 Lab File: BG042751.D  
 Acq: 6 Sep 2019 16:55

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB122813BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 22.9  | 18.9  | 28.3  |
| 139     | 11.6  | 9.8   | 14.6  |

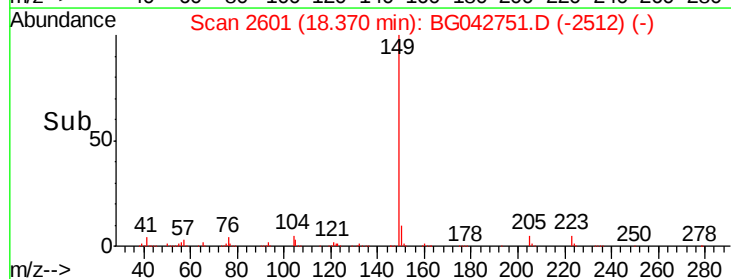
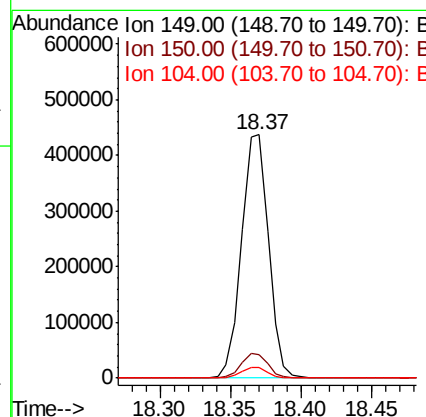
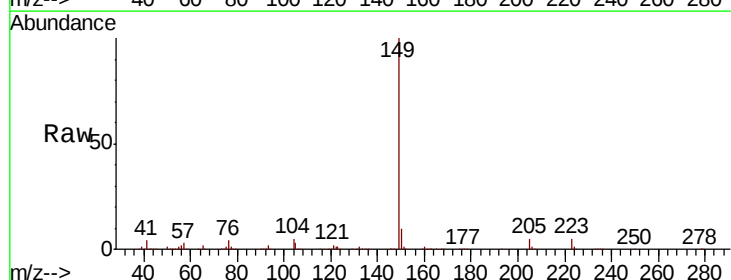
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#74  
 Di-n-butylphthalate  
 Concen: 42.390 ng  
 RT: 18.37 min Scan# 2601  
 Delta R.T. -0.01 min  
 Lab File: BG042751.D  
 Acq: 6 Sep 2019 16:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 150     | 9.9   | 8.1   | 12.1  |
| 104     | 4.5   | 3.7   | 5.5   |





#75

Fluoranthene

Concen: 44.697 ng

RT: 19.47 min Scan# 2788

Delta R.T. -0.00 min

Lab File: BG042751.D

Acq: 6 Sep 2019 16:55

Instrument :

BNA\_G

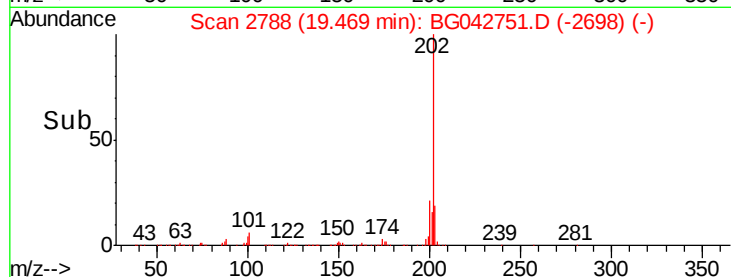
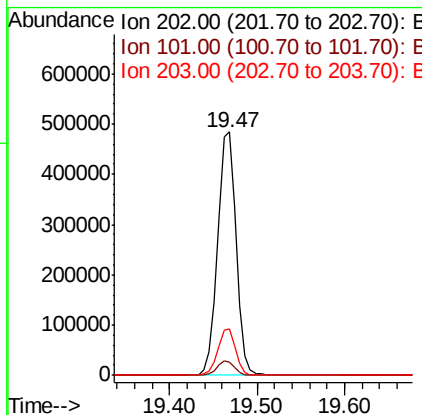
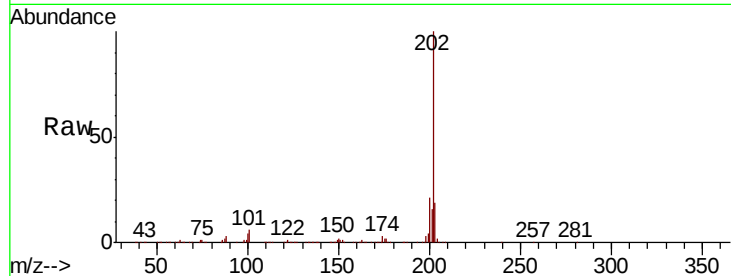
ClientSampleId :

PB122813BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 202   | Resp: | 715133 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 5.7   | 0.0   | 28.3   |
| 203       | 19.3  | 0.0   | 39.6   |

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#76

Chrysene-d12

Concen: 20.000 ng

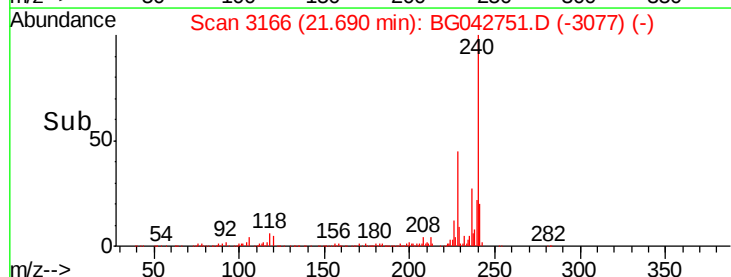
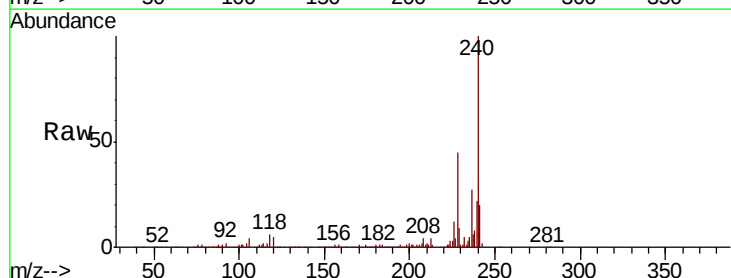
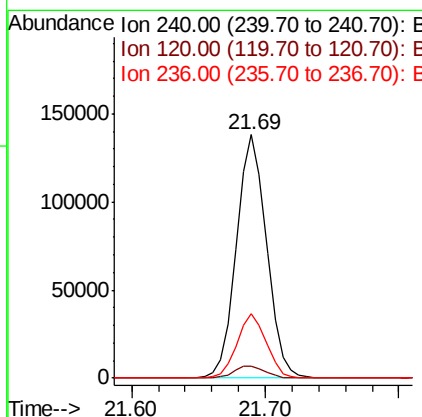
RT: 21.69 min Scan# 3166

Delta R.T. -0.01 min

Lab File: BG042751.D

Acq: 6 Sep 2019 16:55

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 240   | Resp: | 216000 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 5.1   | 5.7   | 8.5#   |
| 236       | 26.7  | 21.0  | 31.4   |





#77

Benzidine

Concen: 21.267 ng

RT: 19.65 min Scan# 2818

Delta R.T. -0.00 min

Lab File: BG042751.D

Acq: 6 Sep 2019 16:55

Instrument :

BNA\_G

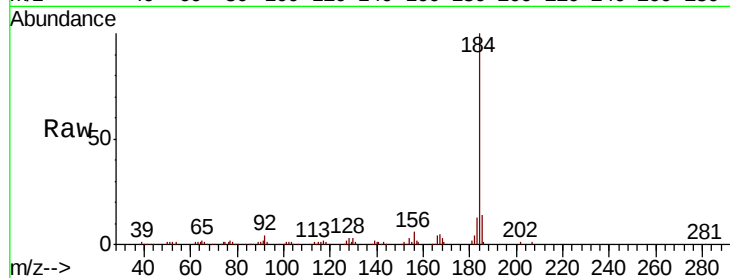
ClientSampleId :

PB122813BS

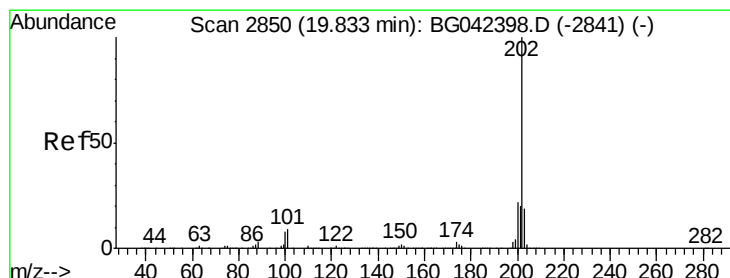
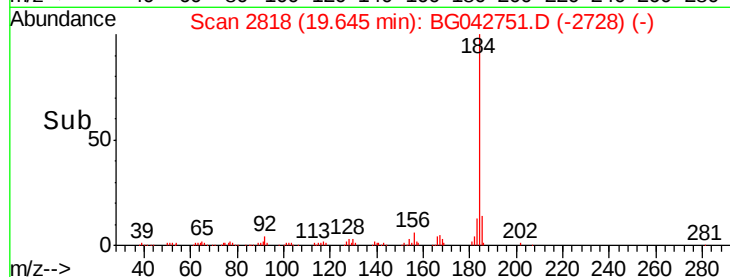
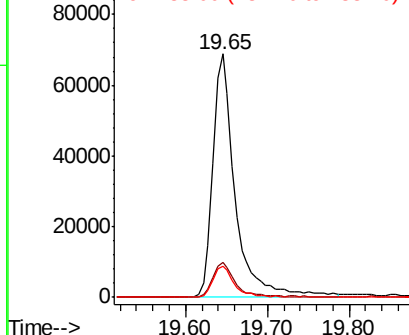
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 184   | Resp: | 131702 |
| Ion Ratio | Lower | Upper |        |
| 184       | 100   |       |        |
| 185       | 14.5  | 12.2  | 18.4   |
| 183       | 12.9  | 10.8  | 16.2   |

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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: 53.589 ng

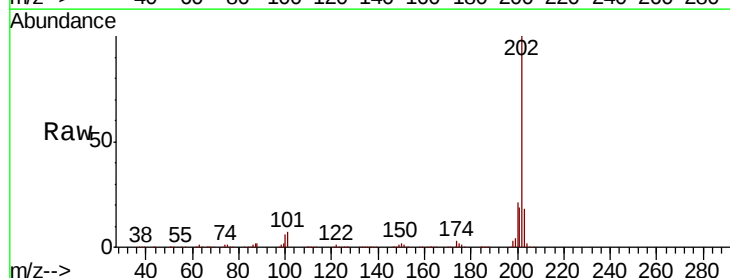
RT: 19.83 min Scan# 2849

Delta R.T. -0.01 min

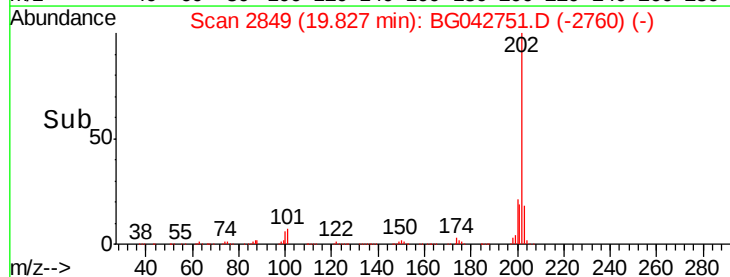
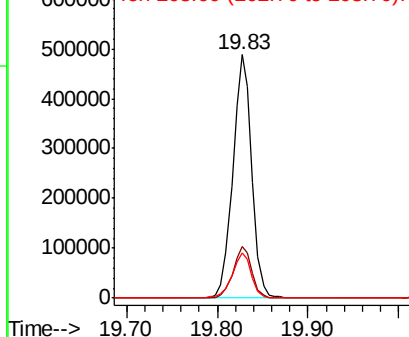
Lab File: BG042751.D

Acq: 6 Sep 2019 16:55

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 709667 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 200       | 21.4  | 17.8  | 26.6   |
| 203       | 18.4  | 15.5  | 23.3   |



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: 87.443 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.01 min

Lab File: BG042751.D

Acq: 6 Sep 2019 16:55

Instrument :

BNA\_G

ClientSampleId :

PB122813BS

Tot Ion:244 Resp: 873655

Ion Ratio Lower Upper

244 100

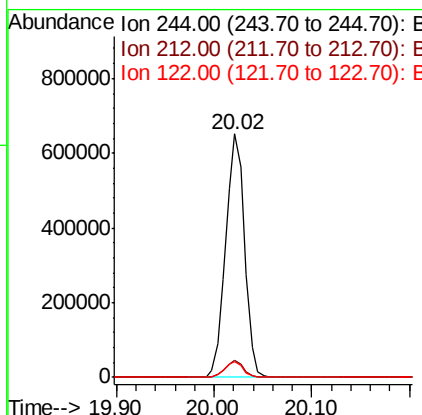
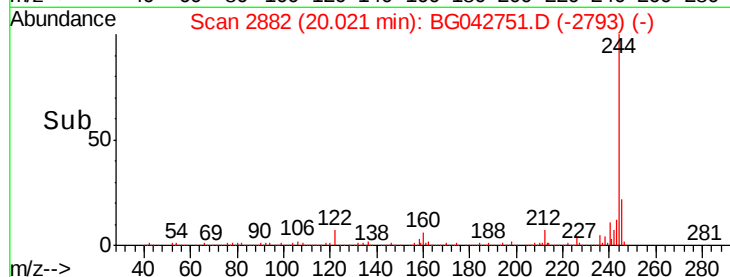
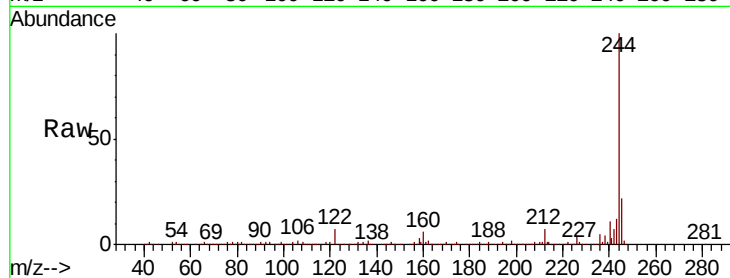
212 7.1 6.0 9.0

122 6.7 6.7 10.1#

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#80

Butylbenzylphthalate

Concen: 38.684 ng

RT: 20.71 min Scan# 2999

Delta R.T. -0.01 min

Lab File: BG042751.D

Acq: 6 Sep 2019 16:55

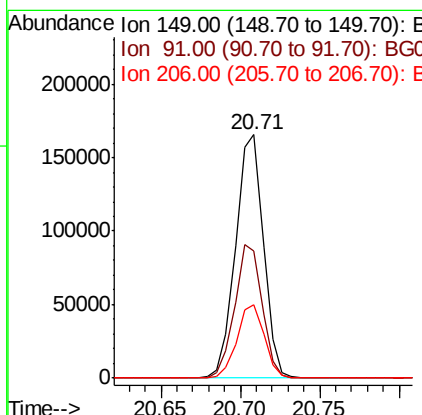
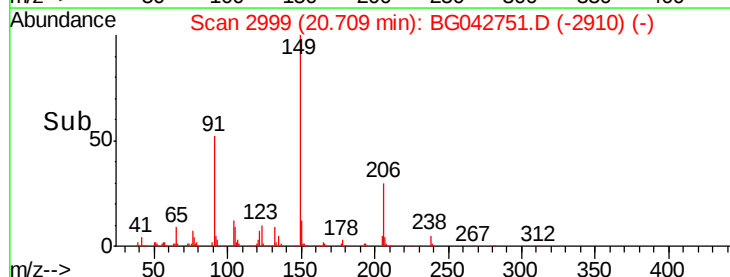
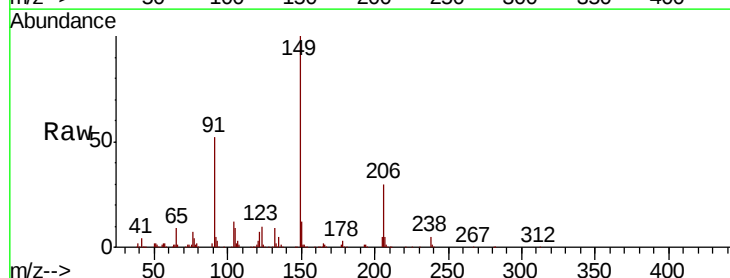
Tgt Ion:149 Resp: 201496

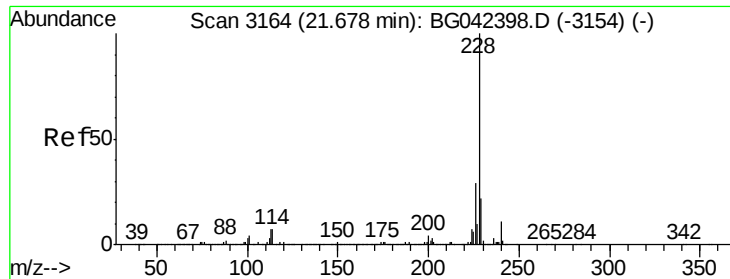
Ion Ratio Lower Upper

149 100

91 52.0 45.9 68.9

206 30.3 22.5 33.7





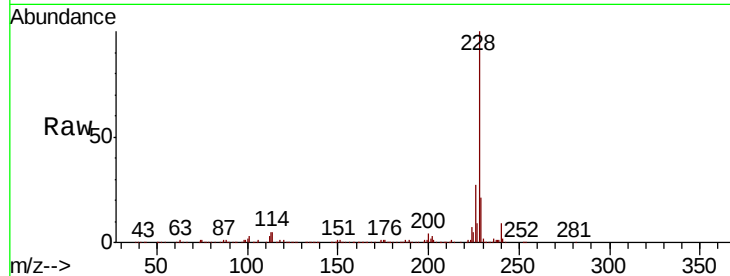
#81  
Benzo(a)anthracene  
Concen: 43.798 ng  
RT: 21.67 min Scan# 3163  
Delta R.T. -0.01 min  
Lab File: BG042751.D  
Acq: 6 Sep 2019 16:55

Instrument :  
BNA\_G  
ClientSampleId :  
PB122813BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 27.0  | 23.4  | 35.2  |
| 229     | 20.7  | 17.4  | 26.2  |

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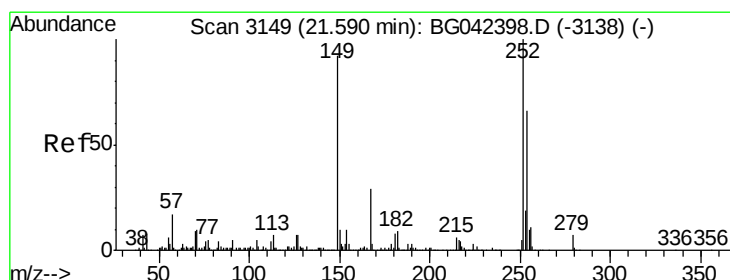
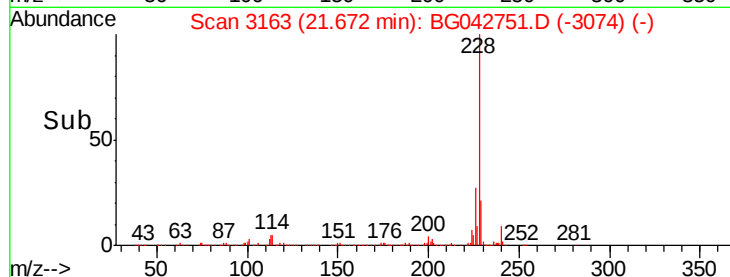
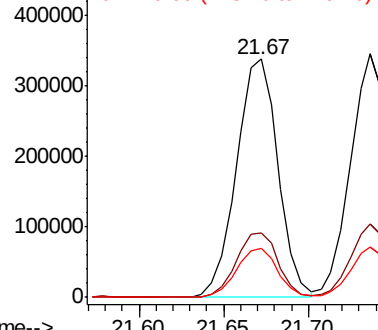


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82  
3,3'-Dichlorobenzidine  
Concen: 36.199 ng  
RT: 21.58 min Scan# 3147  
Delta R.T. -0.01 min  
Lab File: BG042751.D  
Acq: 6 Sep 2019 16:55

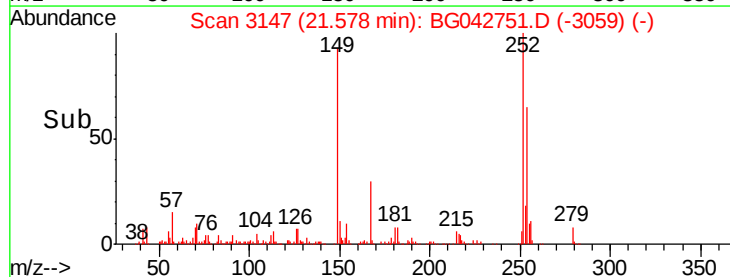
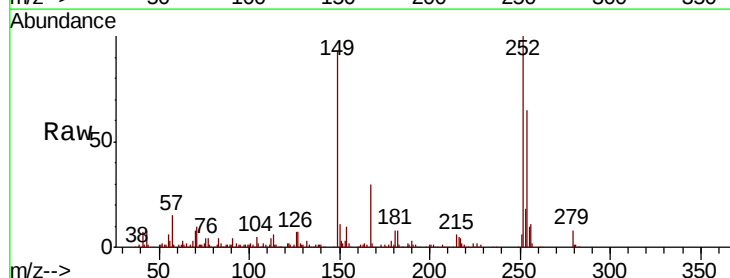
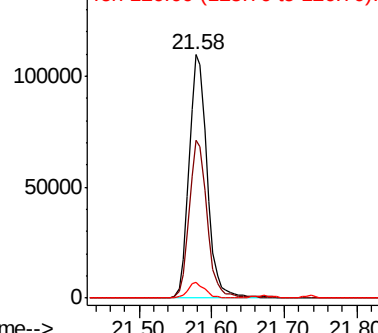
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 64.6  | 53.0  | 79.4  |
| 126     | 6.6   | 5.7   | 8.5   |

Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





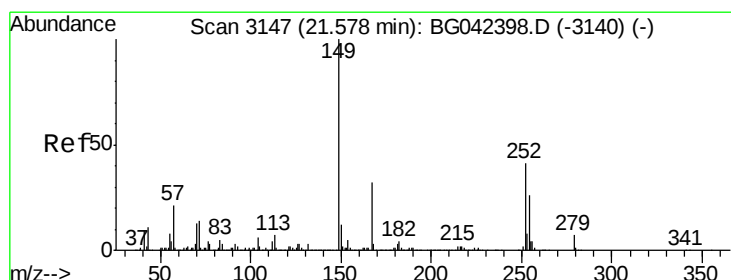
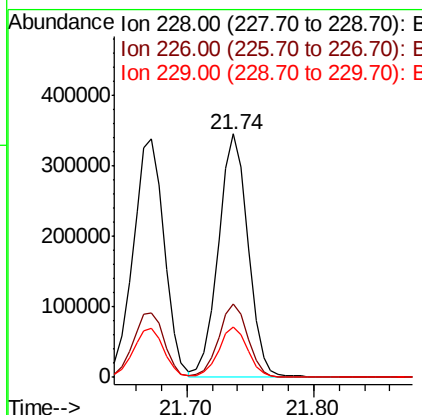
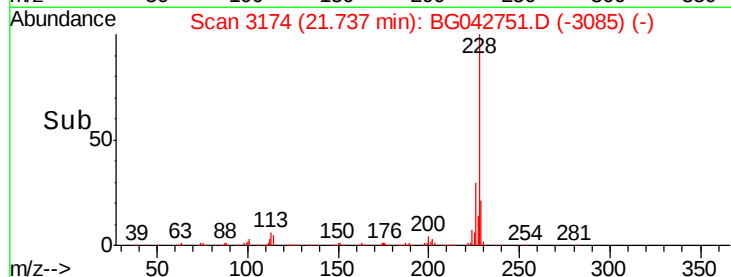
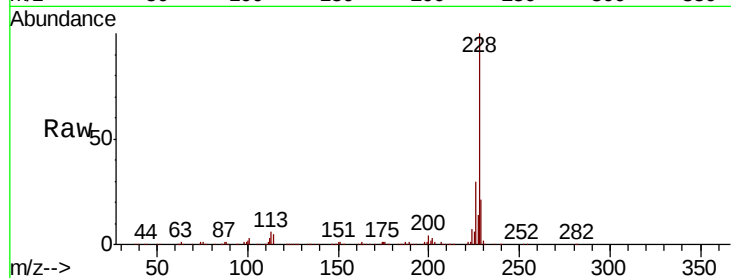
#83  
 Chrvsene  
 Concen: 43.859 ng  
 RT: 21.74 min Scan# 3174  
 Delta R.T. -0.01 min  
 Lab File: BG042751.D  
 Acq: 6 Sep 2019 16:55

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB122813BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 228   | Resp: | 555781 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 226       | 30.0  | 24.9  | 37.3   |
| 229       | 20.7  | 16.9  | 25.3   |

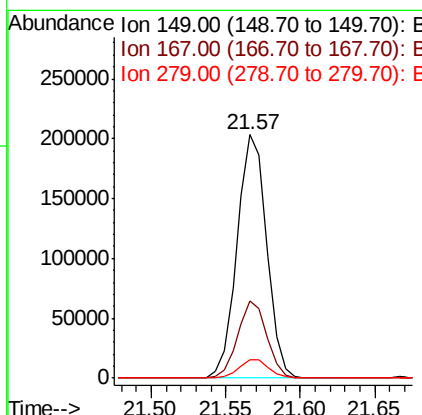
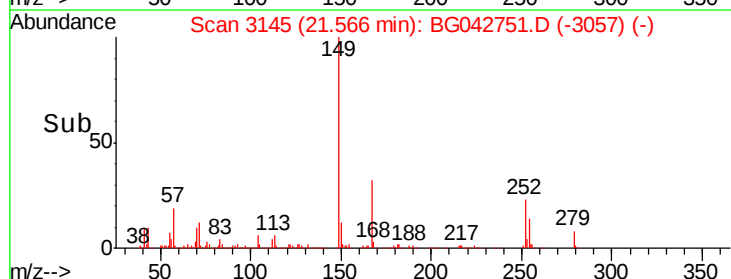
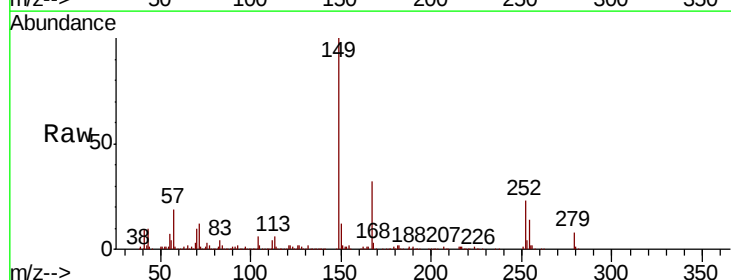
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#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 38.777 ng  
 RT: 21.57 min Scan# 3145  
 Delta R.T. -0.01 min  
 Lab File: BG042751.D  
 Acq: 6 Sep 2019 16:55

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 149   | Resp: | 280431 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 167       | 31.9  | 26.0  | 39.0   |
| 279       | 7.6   | 5.4   | 8.0    |





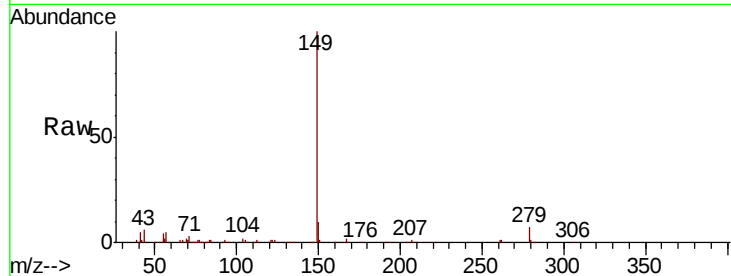
#85  
Di-n-octyl phthalate  
Concen: 40.170 ng  
RT: 22.78 min Scan# 3352  
Delta R.T. -0.02 min  
Lab File: BG042751.D  
Acq: 6 Sep 2019 16:55

Instrument :  
BNA\_G  
ClientSampleId :  
PB122813BS

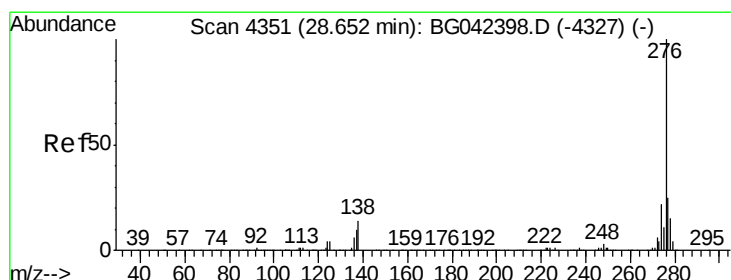
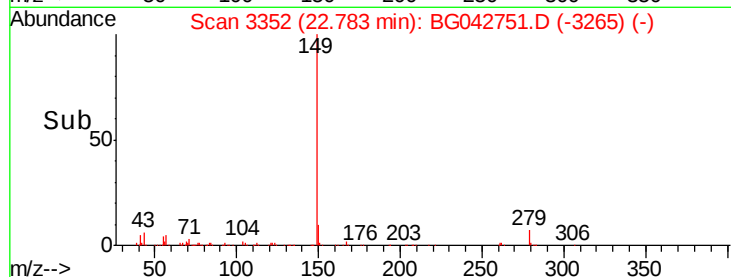
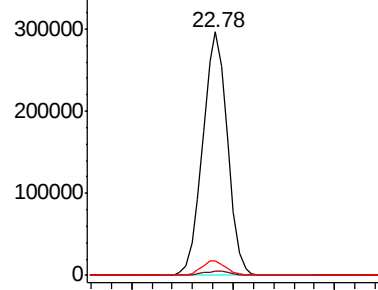
| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 149     | 100   |            |       |
| 167     | 1.8   | 1.6        | 2.4   |
| 43      | 6.0   | 5.3        | 7.9   |

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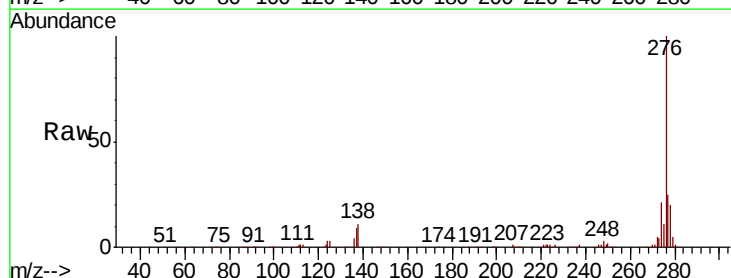


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 167.00 (166.70 to 167.70): E  
Ion 43.00 (42.70 to 43.70): BGC

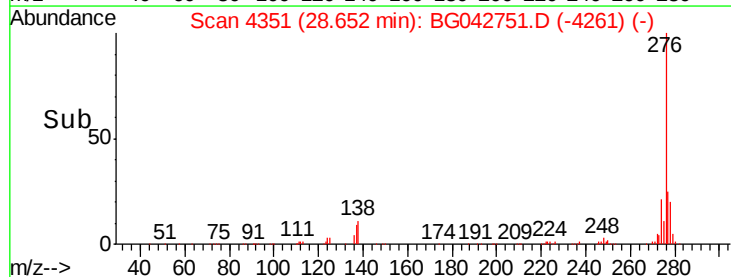
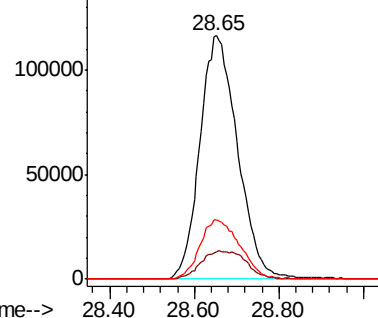


#86  
Indeno(1,2,3-cd)pyrene  
Concen: 41.797 ng  
RT: 28.65 min Scan# 4351  
Delta R.T. -0.00 min  
Lab File: BG042751.D  
Acq: 6 Sep 2019 16:55

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 276     | 100   |            |       |
| 138     | 13.9  | 9.2        | 13.8# |
| 277     | 25.7  | 21.0       | 31.6  |



Abundance Ion 276.00 (275.70 to 276.70): E  
Ion 138.00 (137.70 to 138.70): E  
Ion 277.00 (276.70 to 277.70): E





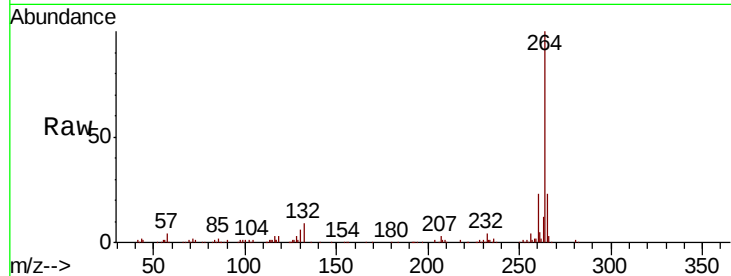
#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 24.93 min Scan# 3717  
Delta R.T. -0.01 min  
Lab File: BG042751.D  
Acq: 6 Sep 2019 16:55

Instrument :  
BNA\_G  
ClientSampleId :  
PB122813BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.4  | 18.5  | 27.7  |
| 265     | 22.8  | 17.6  | 26.4  |

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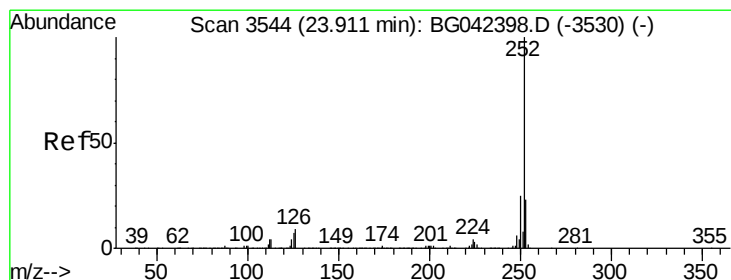
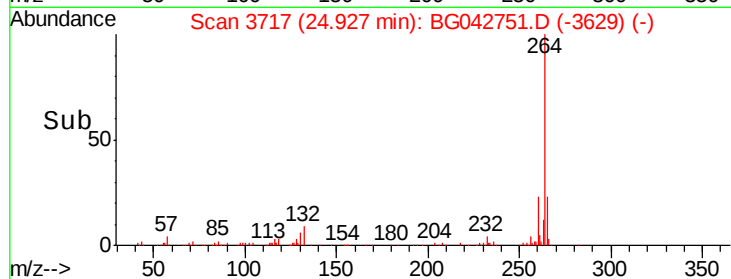
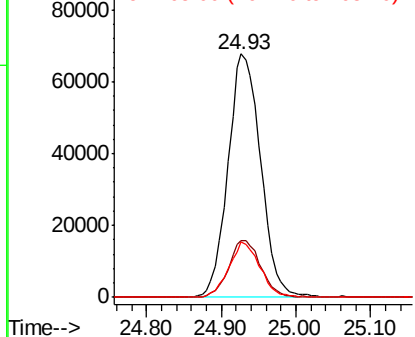


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88  
Benzo(b)fluoranthene  
Concen: 54.235 ng  
RT: 23.90 min Scan# 3543  
Delta R.T. -0.01 min  
Lab File: BG042751.D  
Acq: 6 Sep 2019 16:55

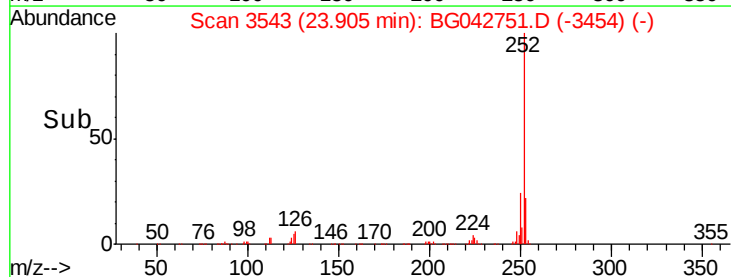
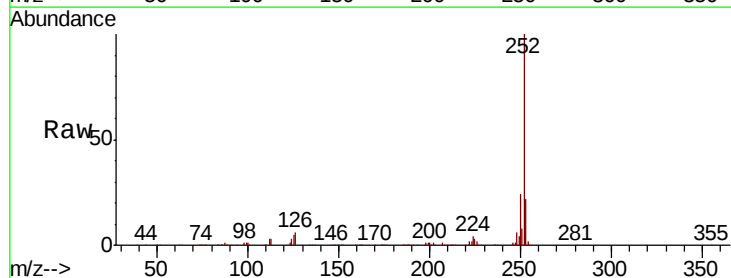
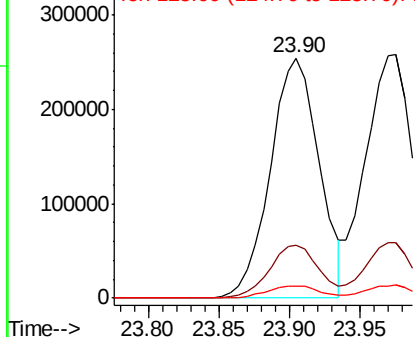
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.9  | 18.6  | 27.8  |
| 125     | 5.0   | 5.6   | 8.4#  |

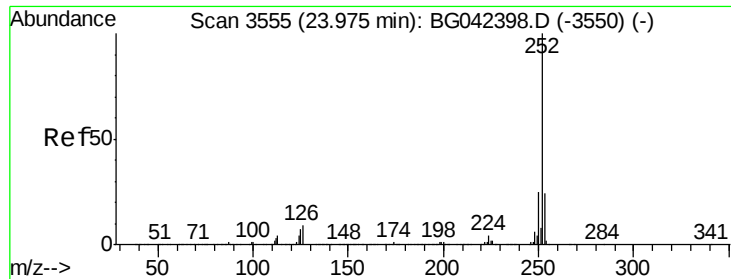
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





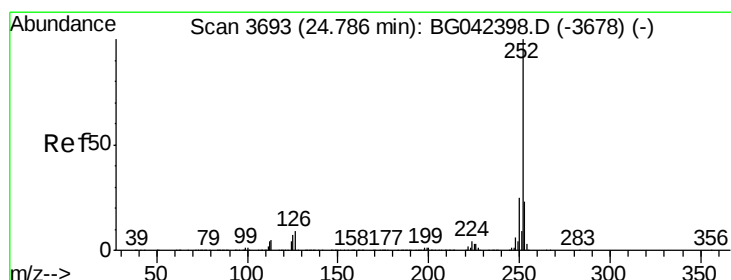
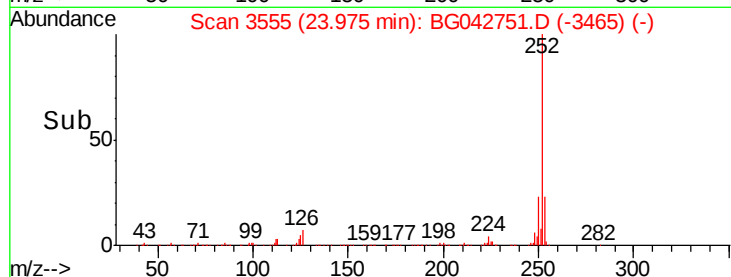
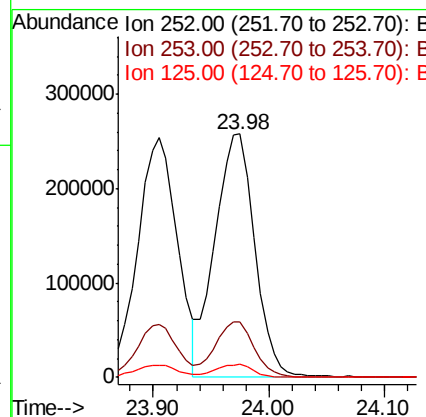
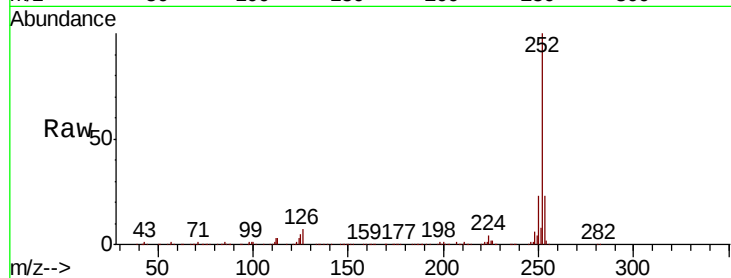
#89  
Benzo(k)fluoranthene  
Concen: 56.619 ng  
RT: 23.98 min Scan# 3555  
Delta R.T. -0.00 min  
Lab File: BG042751.D  
Acq: 6 Sep 2019 16:55

Instrument :  
BNA\_G  
ClientSampleId :  
PB122813BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.8  | 18.6  | 27.8  |
| 125     | 5.3   | 5.8   | 8.6#  |

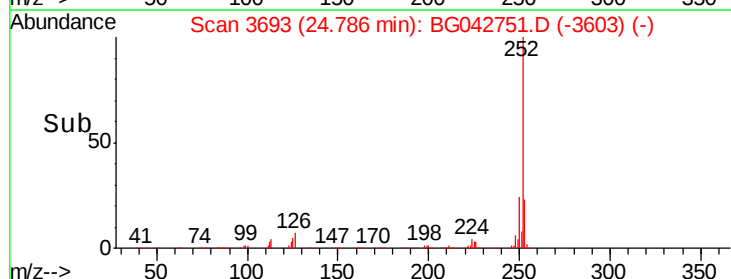
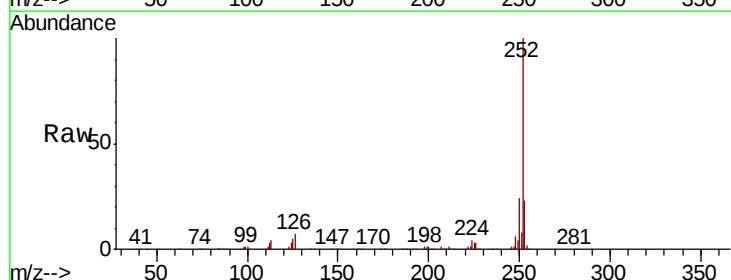
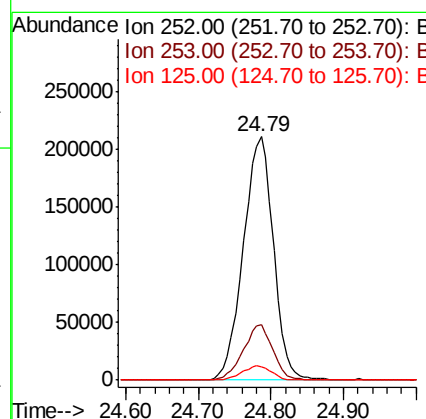
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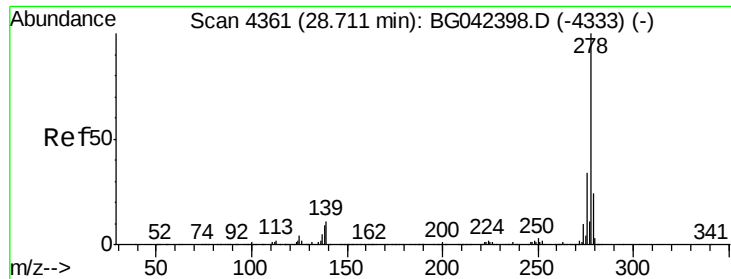
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#90  
Benzo(a)pyrene  
Concen: 56.675 ng  
RT: 24.79 min Scan# 3693  
Delta R.T. -0.00 min  
Lab File: BG042751.D  
Acq: 6 Sep 2019 16:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.6  | 18.4  | 27.6  |
| 125     | 5.3   | 6.0   | 9.0#  |





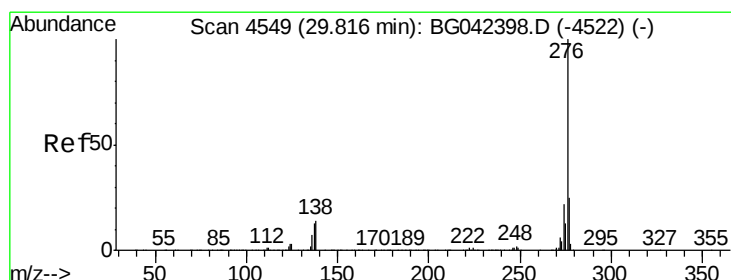
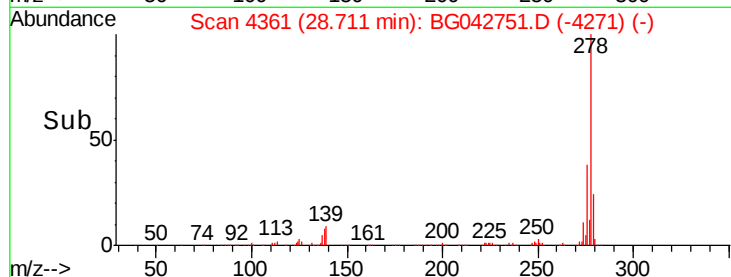
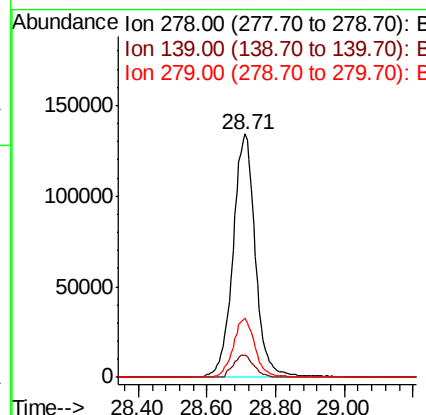
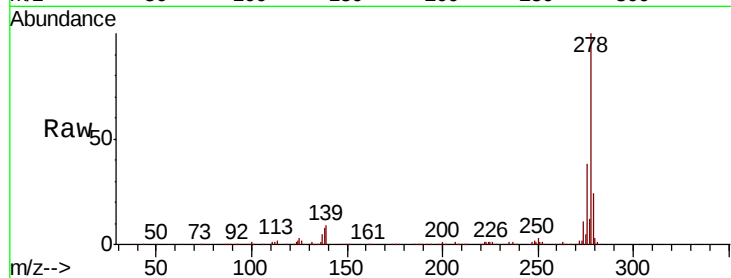
#91  
Dibenzo(a,h)anthracene  
Concen: 55.826 ng  
RT: 28.71 min Scan# 4361  
Delta R.T. -0.00 min  
Lab File: BG042751.D  
Acq: 6 Sep 2019 16:55

Instrument :  
BNA\_G  
ClientSampleId :  
PB122813BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 9.2   | 8.8   | 13.2  |
| 279     | 24.3  | 19.1  | 28.7  |

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#92  
Benzo(g,h,i)perylene  
Concen: 55.625 ng  
RT: 29.81 min Scan# 4548  
Delta R.T. -0.01 min  
Lab File: BG042751.D  
Acq: 6 Sep 2019 16:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 23.2  | 19.8  | 29.8  |
| 138     | 11.3  | 11.4  | 17.0# |

