

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051820\  
 Data File : BG045415.D  
 Acq On : 18 May 2020 16:28  
 Operator : CG/JU  
 Sample : PB128957BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB128957BS

Manual Integrations  
 APPROVED

mohammad  
 5/19/2020 3:05:57 PM

Quant Time: May 18 17:04:48 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon May 18 15:47:17 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.96  | 152  | 76624    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.78 | 136  | 324708   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 14.61 | 164  | 233661   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 17.36 | 188  | 559693   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.62 | 240  | 514145   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 24.78 | 264  | 549152   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.58  | 112 | 582892  | 148.67 | ng | 0.00 |
| 7) Phenol-d6             | 7.21  | 99  | 840386  | 150.59 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 9.13  | 82  | 525763  | 88.30  | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.11 | 330 | 392391  | 131.31 | ng | 0.00 |
| 45) 2-Fluorobiphenyl     | 13.23 | 172 | 1205962 | 87.54  | ng | 0.00 |
| 79) Terphenyl-d14        | 19.98 | 244 | 2037064 | 92.41  | ng | 0.00 |

## Target Compounds

|                                |       |     |        |        |    | Qvalue |
|--------------------------------|-------|-----|--------|--------|----|--------|
| 2) 1,4-Dioxane                 | 3.41  | 88  | 74580  | 38.359 | ng | 97     |
| 3) Pyridine                    | 3.82  | 79  | 175376 | 32.387 | ng | 95     |
| 4) n-Nitrosodimethylamine      | 3.73  | 42  | 76774  | 43.328 | ng | 92     |
| 6) Aniline                     | 7.30  | 93  | 284116 | 39.001 | ng | 98     |
| 8) 2-Chlorophenol              | 7.56  | 128 | 216062 | 50.251 | ng | 99     |
| 9) Benzaldehyde                | 7.10  | 77  | 152328 | 41.896 | ng | 97     |
| 10) Phenol                     | 7.24  | 94  | 290977 | 50.592 | ng | 96     |
| 11) bis(2-Chloroethyl)ether    | 7.39  | 93  | 196057 | 43.703 | ng | 98     |
| 12) 1,3-Dichlorobenzene        | 7.86  | 146 | 226837 | 43.901 | ng | 97     |
| 13) 1,4-Dichlorobenzene        | 8.00  | 146 | 233663 | 45.825 | ng | 98     |
| 14) 1,2-Dichlorobenzene        | 8.32  | 146 | 217256 | 44.299 | ng | 98     |
| 15) Benzyl Alcohol             | 8.23  | 79  | 223019 | 48.377 | ng | 99     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.49  | 45  | 193668 | 45.480 | ng | 92     |
| 17) 2-Methylphenol             | 8.47  | 107 | 202895 | 47.131 | ng | 95     |
| 18) Hexachloroethane           | 9.05  | 117 | 85021  | 43.535 | ng | 95     |
| 19) n-Nitroso-di-n-propylamine | 8.77  | 70  | 184286 | 47.755 | ng | 98     |
| 20) 3+4-Methylphenols          | 8.80  | 107 | 268616 | 45.822 | ng | # 60   |
| 22) Acetophenone               | 8.79  | 105 | 329362 | 42.797 | ng | # 94   |
| 24) Nitrobenzene               | 9.17  | 77  | 270138 | 42.344 | ng | 95     |
| 25) Isophorone                 | 9.70  | 82  | 508631 | 43.374 | ng | 100    |
| 26) 2-Nitrophenol              | 9.88  | 139 | 125235 | 45.889 | ng | 93     |
| 27) 2,4-Dimethylphenol         | 9.98  | 122 | 216258 | 53.428 | ng | 98     |
| 28) bis(2-Chloroethoxy)methane | 10.18 | 93  | 277082 | 45.055 | ng | # 96   |
| 29) 2,4-Dichlorophenol         | 10.46 | 162 | 225434 | 47.164 | ng | 94     |
| 30) 1,2,4-Trichlorobenzene     | 10.64 | 180 | 242677 | 42.967 | ng | 98     |
| 31) Naphthalene                | 10.82 | 128 | 672811 | 44.465 | ng | 99     |
| 32) Benzoic acid               | 10.19 | 122 | 156325 | 54.951 | ng | 95     |
| 33) 4-Chloroaniline            | 10.95 | 127 | 159112 | 25.157 | ng | 94     |
| 34) Hexachlorobutadiene        | 11.12 | 225 | 162253 | 40.640 | ng | 98     |
| 35) Caprolactam                | 11.72 | 113 | 82439m | 46.989 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 12.12 | 107 | 265276 | 49.252 | ng | 96     |
| 37) 2-Methylnaphthalene        | 12.43 | 142 | 513390 | 45.522 | ng | 99     |
| 38) 1-Methylnaphthalene        | 12.66 | 142 | 490236 | 46.017 | ng | 100    |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.80 | 216 | 281686 | 43.160 | ng | 98     |

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 Misc :  
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Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB128957BS

Manual Integrations  
 APPROVED

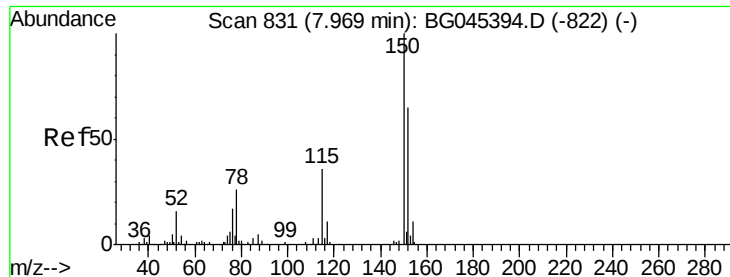
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 5/19/2020 3:05:57 PM

Quant Time: May 18 17:04:48 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon May 18 15:47:17 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 12.79 | 237  | 392085   | 104.084 | nq    | 99       |
| 43) 2,4,6-Trichlorophenol      | 13.06 | 196  | 206464   | 45.540  | nq    | 99       |
| 44) 2,4,5-Trichlorophenol      | 13.16 | 196  | 220192   | 42.501  | nq    | 98       |
| 46) 1,1'-Biphenyl              | 13.44 | 154  | 665676   | 46.365  | nq    | 100      |
| 47) 2-Chloronaphthalene        | 13.49 | 162  | 504073   | 43.236  | nq    | 98       |
| 48) 2-Nitroaniline             | 13.70 | 65   | 168721   | 43.994  | nq    | 94       |
| 49) Acenaphthylene             | 14.33 | 152  | 852293   | 45.512  | nq    | 99       |
| 50) Dimethylphthalate          | 14.07 | 163  | 706702   | 44.089  | nq    | 99       |
| 51) 2,6-Dinitrotoluene         | 14.18 | 165  | 158940   | 43.943  | nq    | 97       |
| 52) Acenaphthene               | 14.68 | 154  | 497446   | 39.683  | nq    | 97       |
| 53) 3-Nitroaniline             | 14.53 | 138  | 103193   | 28.066  | nq    | 91       |
| 54) 2,4-Dinitrophenol          | 14.73 | 184  | 177961   | 75.444  | nq    | 97       |
| 55) Dibenzofuran               | 15.01 | 168  | 813968   | 43.726  | nq    | 98       |
| 56) 4-Nitrophenol              | 14.91 | 139  | 251129   | 90.215  | nq    | 92       |
| 57) 2,4-Dinitrotoluene         | 14.98 | 165  | 227641   | 43.457  | nq    | 96       |
| 58) Fluorene                   | 15.66 | 166  | 677789   | 44.319  | nq    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol  | 15.26 | 232  | 197652   | 43.364  | nq    | 99       |
| 60) Diethylphthalate           | 15.43 | 149  | 726869   | 43.568  | nq    | 97       |
| 61) 4-Chlorophenyl-phenylether | 15.65 | 204  | 370968   | 42.389  | nq    | 99       |
| 62) 4-Nitroaniline             | 15.70 | 138  | 163027   | 42.472  | nq    | 94       |
| 63) Azobenzene                 | 15.95 | 77   | 690847   | 44.409  | nq    | 98       |
| 65) 4,6-Dinitro-2-methylphenol | 15.75 | 198  | 139297   | 42.734  | nq    | 97       |
| 66) n-Nitrosodiphenylamine     | 15.87 | 169  | 614181   | 45.704  | nq    | 97       |
| 67) 4-Bromophenyl-phenylether  | 16.55 | 248  | 257842   | 42.544  | nq    | 99       |
| 68) Hexachlorobenzene          | 16.67 | 284  | 279083   | 44.027  | nq    | 96       |
| 69) Atrazine                   | 16.82 | 200  | 238850   | 43.152  | nq    | 97       |
| 70) Pentachlorophenol          | 17.03 | 266  | 260210   | 79.058  | nq    | 95       |
| 71) Phenanthrene               | 17.40 | 178  | 1102997  | 45.142  | nq    | 100      |
| 72) Anthracene                 | 17.49 | 178  | 1143797  | 46.615  | nq    | 97       |
| 73) Carbazole                  | 17.77 | 167  | 1051617  | 43.968  | nq    | 100      |
| 74) Di-n-butylphthalate        | 18.33 | 149  | 1259486  | 43.873  | nq    | 99       |
| 75) Fluoranthene               | 19.41 | 202  | 1379076  | 44.374  | nq    | 98       |
| 77) Benzidine                  | 19.60 | 184  | 712335   | 49.331  | nq    | 98       |
| 78) Pyrene                     | 19.77 | 202  | 1363525  | 46.523  | nq    | 97       |
| 80) Butylbenzylphthalate       | 20.66 | 149  | 561774   | 44.407  | nq    | 99       |
| 81) Benzo(a)anthracene         | 21.60 | 228  | 1284949  | 44.863  | nq    | 97       |
| 82) 3,3'-Dichlorobenzidine     | 21.52 | 252  | 328553   | 29.244  | nq    | 98       |
| 83) Chrysene                   | 21.67 | 228  | 1241549  | 45.082  | nq    | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 21.52 | 149  | 771490   | 44.365  | nq    | 100      |
| 85) Di-n-octyl phthalate       | 22.71 | 149  | 1297993  | 43.459  | nq    | 100      |
| 86) Indeno(1,2,3-cd)pyrene     | 28.37 | 276  | 1556938  | 43.233  | nq    | # 95     |
| 88) Benzo(b)fluoranthene       | 23.78 | 252  | 1322936  | 44.919  | nq    | 99       |
| 89) Benzo(k)fluoranthene       | 23.85 | 252  | 1325840  | 47.917  | nq    | 99       |
| 90) Benzo(a)pyrene             | 24.64 | 252  | 1233794  | 44.981  | nq    | # 96     |
| 91) Dibenzo(a,h)anthracene     | 28.43 | 278  | 1284525  | 46.602  | nq    | 100      |
| 92) Benzo(g,h,i)perylene       | 29.49 | 276  | 1294468  | 46.957  | nq    | 98       |

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





#1

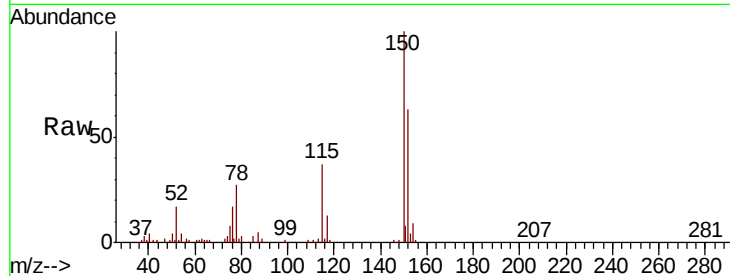
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.96 min Scan# 830  
Delta R.T. -0.01 min  
Lab File: BG045415.D  
Acq: 18 May 2020 16:28

Instrument :  
BNA\_G  
ClientSampleId :  
PB128957BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 158.4 | 122.4 | 183.6 |
| 115     | 58.5  | 44.2  | 66.4  |

Manual Integrations  
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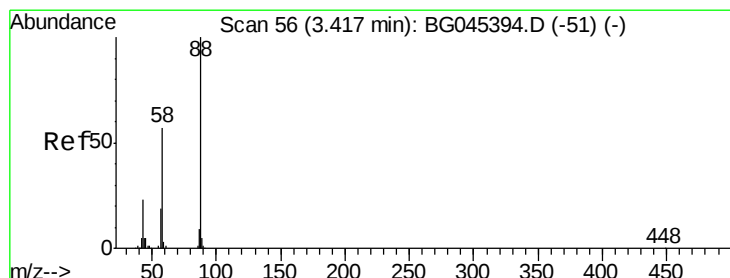
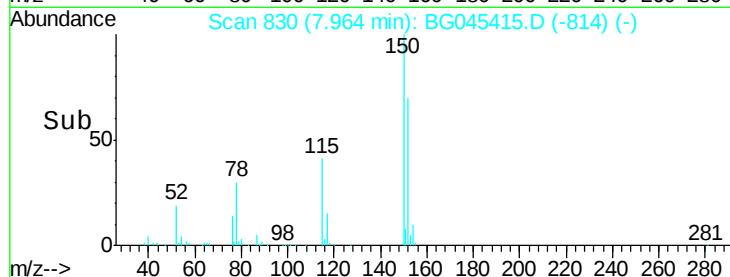
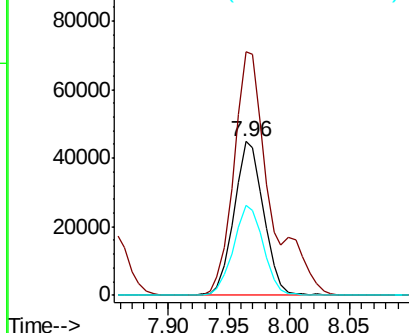


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

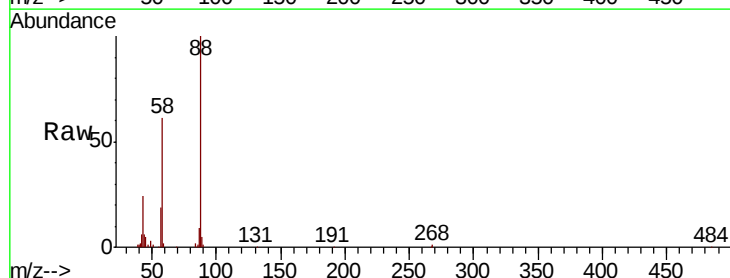
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane  
Concen: 38.359 ng  
RT: 3.41 min Scan# 55  
Delta R.T. -0.01 min  
Lab File: BG045415.D  
Acq: 18 May 2020 16:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 59.2  | 45.7  | 68.5  |
| 43      | 23.4  | 16.8  | 25.2  |

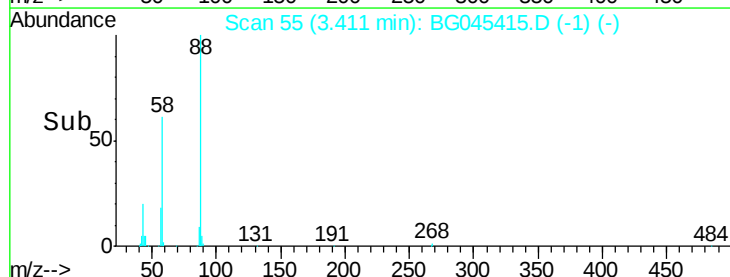
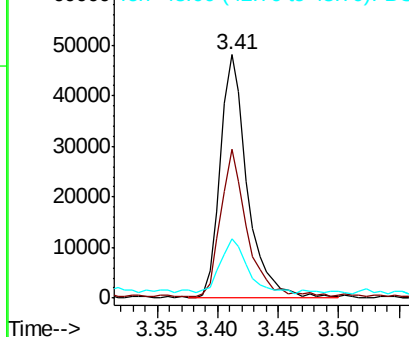


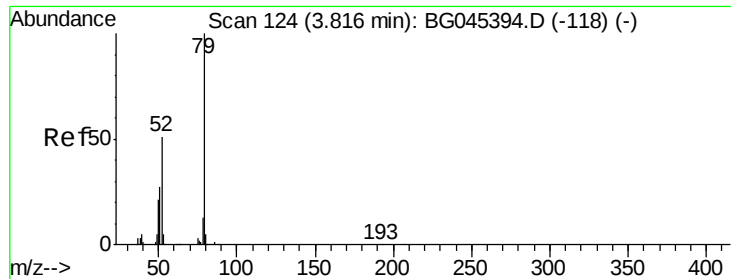
Abundance

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: 32.387 ng

RT: 3.82 min Scan# 124

Delta R.T. 0.00 min

Lab File: BG045415.D

Acq: 18 May 2020 16:28

Instrument :

BNA\_G

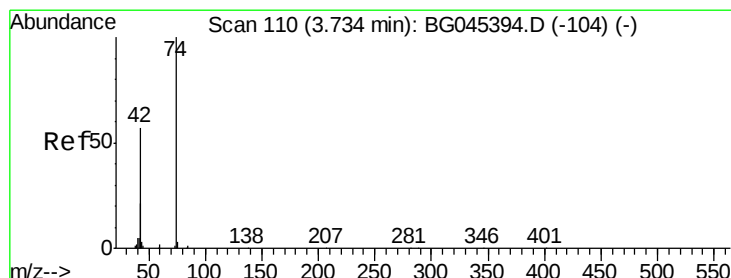
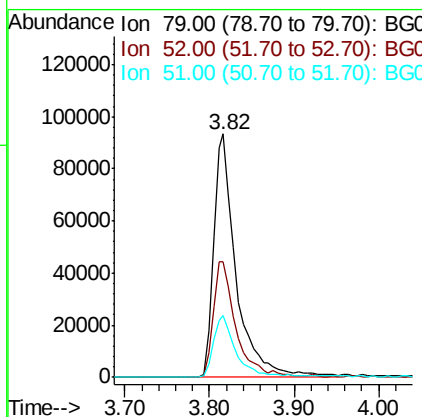
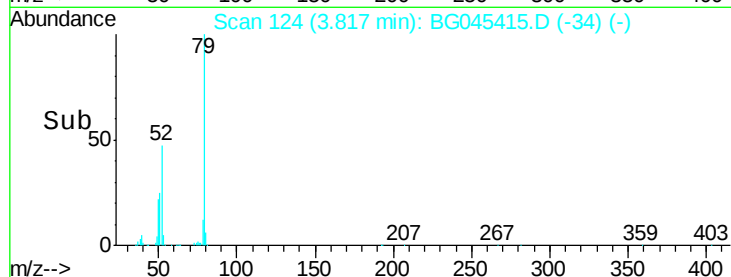
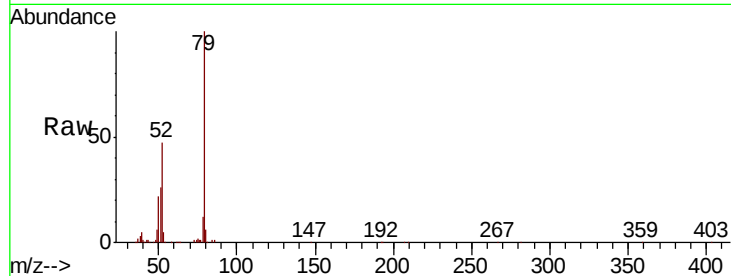
ClientSampleId :

PB128957BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 79    | Resp: | 175376 |
| Ion Ratio | Lower | Upper |        |
| 79        | 100   |       |        |
| 52        | 47.4  | 40.8  | 61.2   |
| 51        | 25.5  | 21.9  | 32.9   |

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#4

n-Nitrosodimethylamine

Concen: 43.328 ng

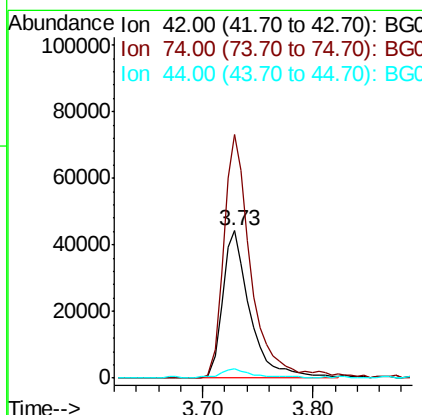
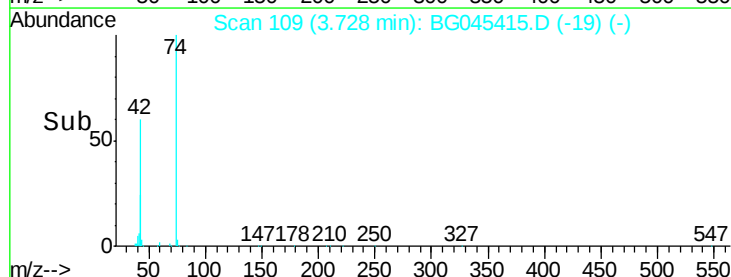
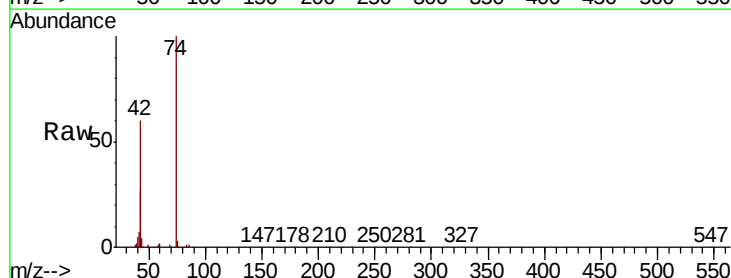
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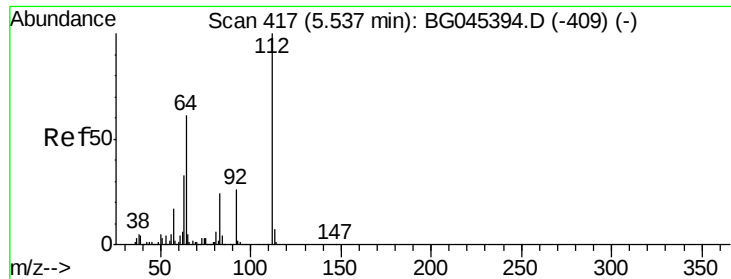
Delta R.T. 0.00 min

Lab File: BG045415.D

Acq: 18 May 2020 16:28

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 42    | Resp: | 76774 |
| Ion Ratio | Lower | Upper |       |
| 42        | 100   |       |       |
| 74        | 165.5 | 141.3 | 211.9 |
| 44        | 6.0   | 4.2   | 6.4   |





#5

2-Fluorophenol

Concen: 148.667 ng

RT: 5.58 min Scan# 425

Delta R.T. 0.00 min

Lab File: BG045415.D

Acq: 18 May 2020 16:28

Instrument :

BNA\_G

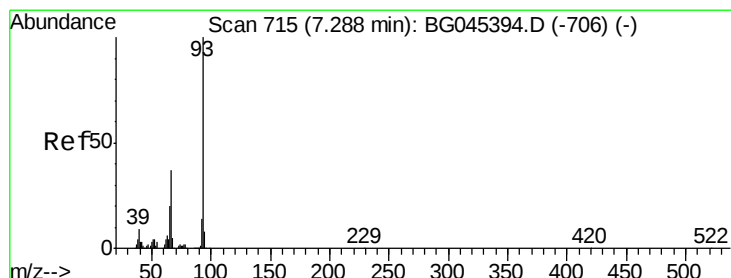
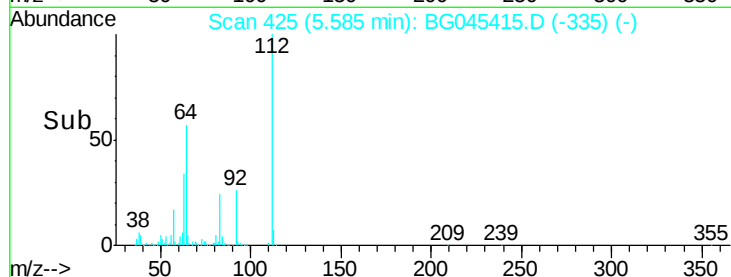
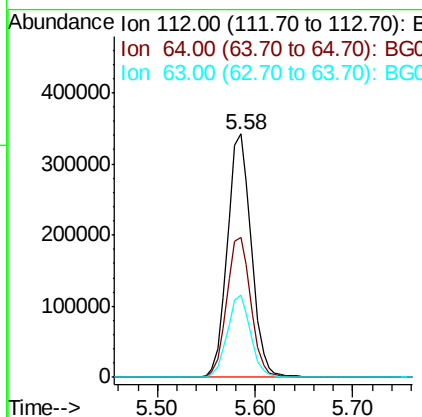
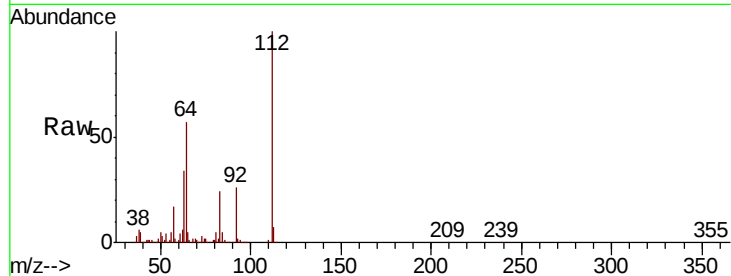
ClientSampleId :

PB128957BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 112   | Resp: | 582892 |
| Ion Ratio | Lower | Upper |        |
| 112       | 100   |       |        |
| 64        | 57.5  | 48.6  | 72.8   |
| 63        | 33.6  | 26.5  | 39.7   |

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#6

Aniline

Concen: 39.001 ng

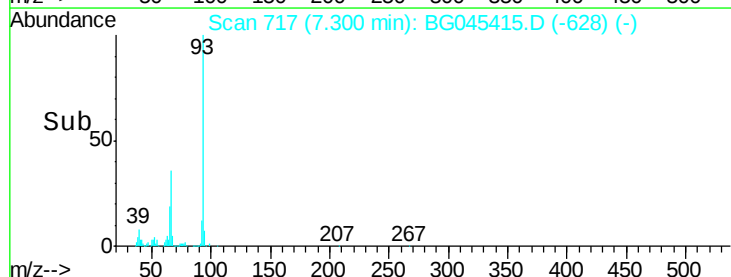
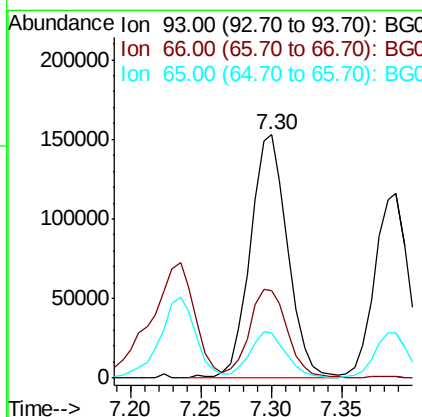
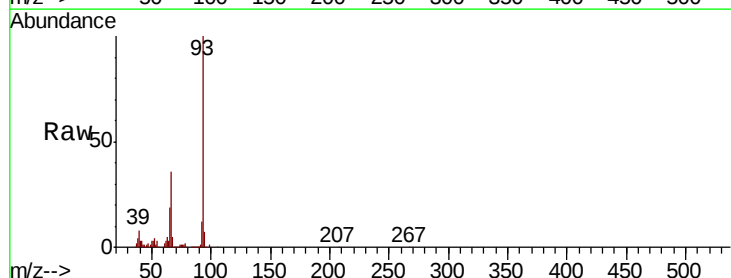
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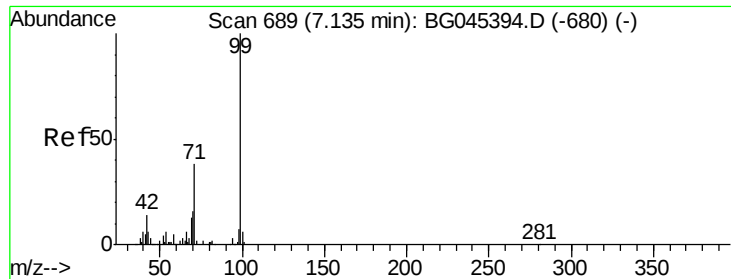
Delta R.T. -0.01 min

Lab File: BG045415.D

Acq: 18 May 2020 16:28

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 93    | Resp: | 284116 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 66        | 36.1  | 29.6  | 44.4   |
| 65        | 18.6  | 15.9  | 23.9   |





#7

Phenol-d6

Concen: 150.594 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.01 min

Lab File: BG045415.D

Acq: 18 May 2020 16:28

Instrument :

BNA\_G

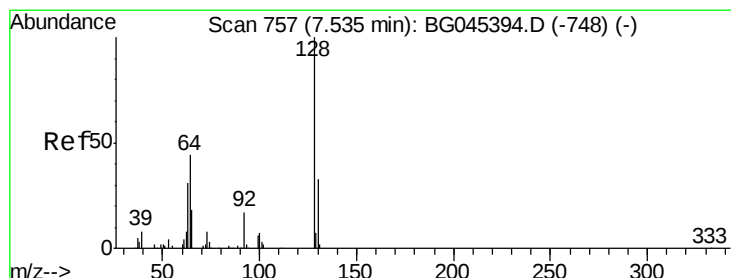
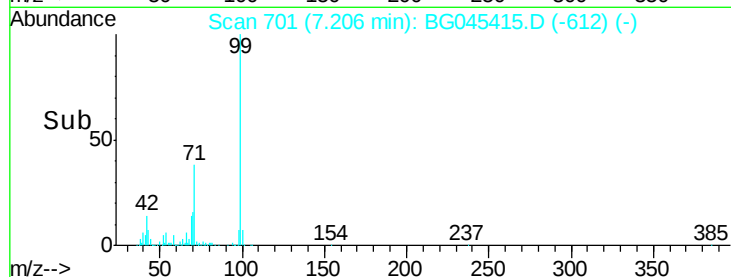
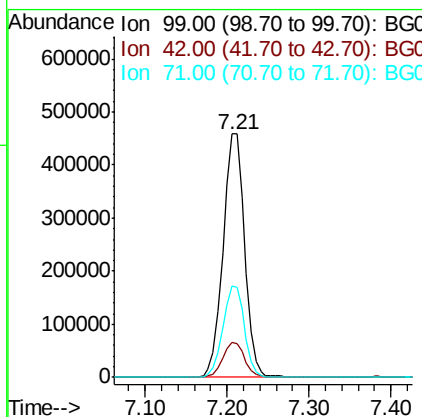
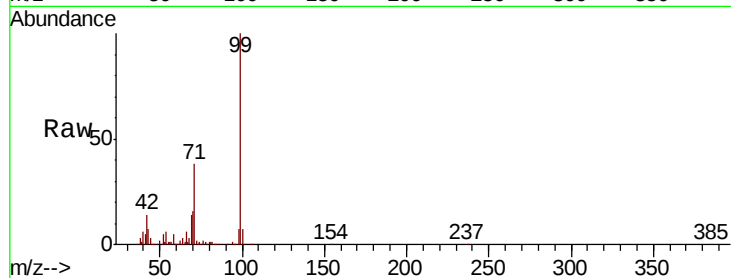
ClientSampleId :

PB128957BS

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 99      | 100  |       | 840386 |       |       |
| 42      | 14.3 | 11.3  | 16.9   |       |       |
| 71      | 37.6 | 30.8  | 46.2   |       |       |

Manual Integrations  
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#8

2-Chlorophenol

Concen: 50.251 ng

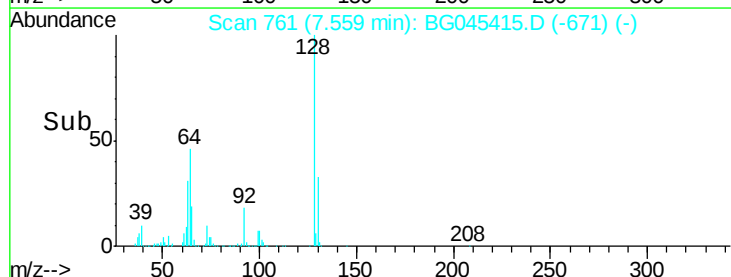
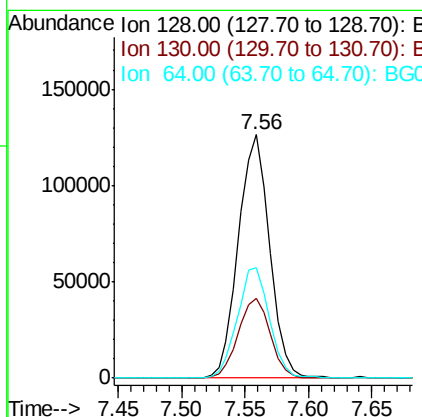
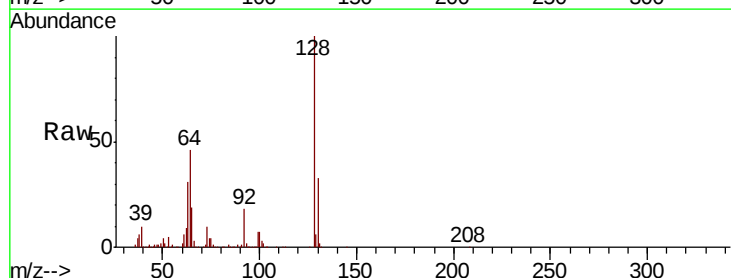
RT: 7.56 min Scan# 761

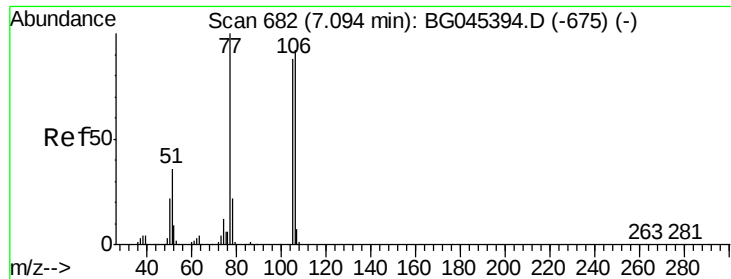
Delta R.T. 0.00 min

Lab File: BG045415.D

Acq: 18 May 2020 16:28

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 128     | 100  |       | 216062 |       |       |
| 130     | 32.8 | 12.6  | 52.6   |       |       |
| 64      | 45.6 | 27.0  | 67.0   |       |       |





#9

Benzaldehyde

Concen: 41.896 ng

RT: 7.10 min Scan# 683

Delta R.T. -0.01 min

Lab File: BG045415.D

Acq: 18 May 2020 16:28

Instrument :

BNA\_G

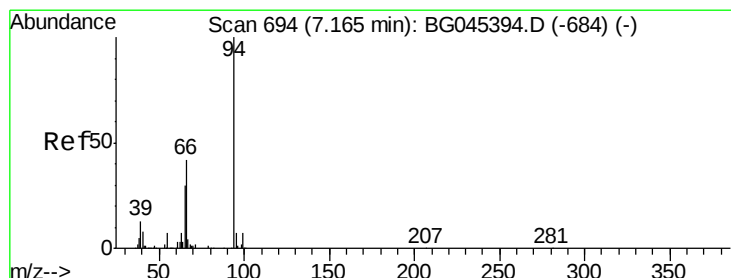
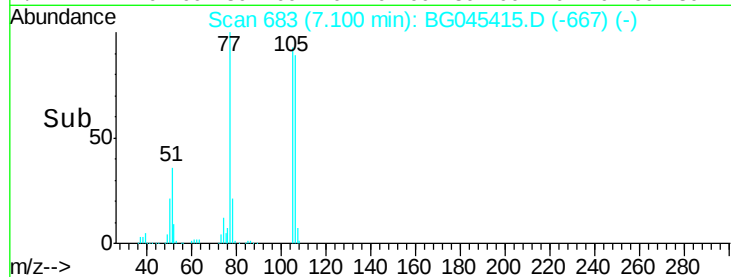
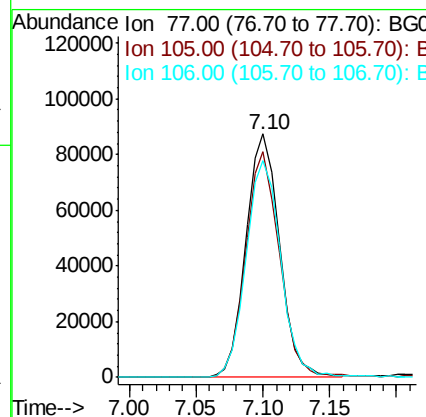
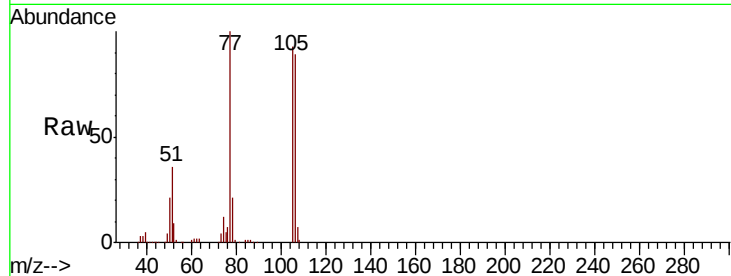
ClientSampleId :

PB128957BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 77    | Resp: | 152328 |
| Ion Ratio | Lower | Upper |        |
| 77        | 100   |       |        |
| 105       | 92.5  | 68.5  | 108.5  |
| 106       | 89.1  | 71.6  | 111.6  |

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#10

Phenol

Concen: 50.592 ng

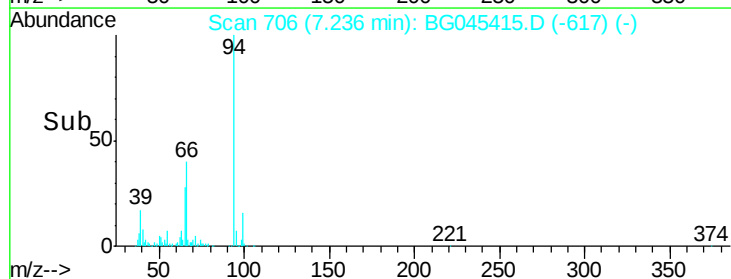
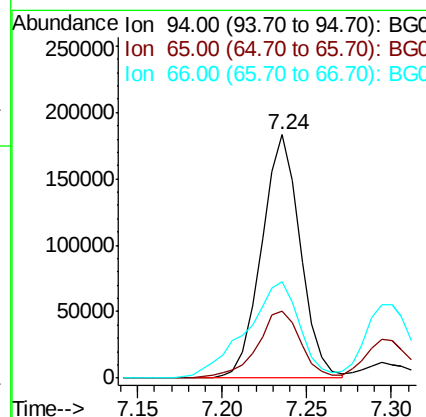
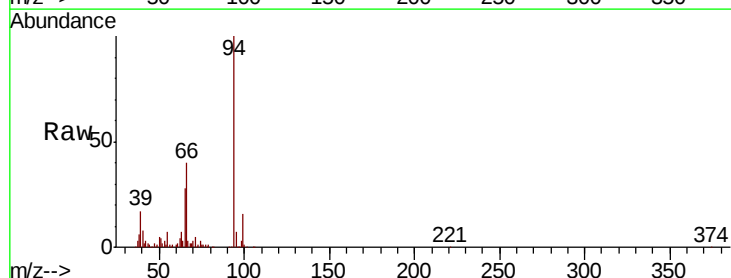
RT: 7.24 min Scan# 706

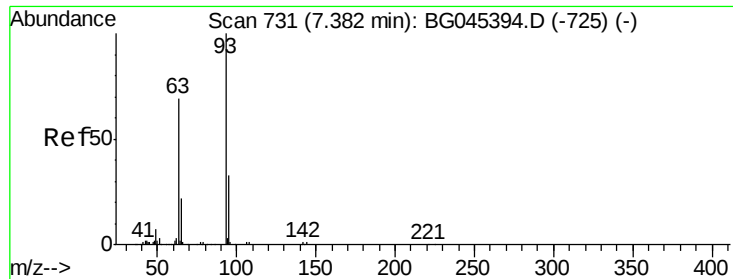
Delta R.T. -0.01 min

Lab File: BG045415.D

Acq: 18 May 2020 16:28

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 94    | Resp: | 290977 |
| Ion Ratio | Lower | Upper |        |
| 94        | 100   |       |        |
| 65        | 27.6  | 9.8   | 49.8   |
| 66        | 39.5  | 22.0  | 62.0   |





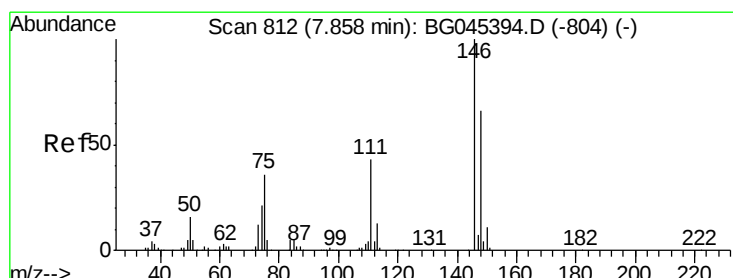
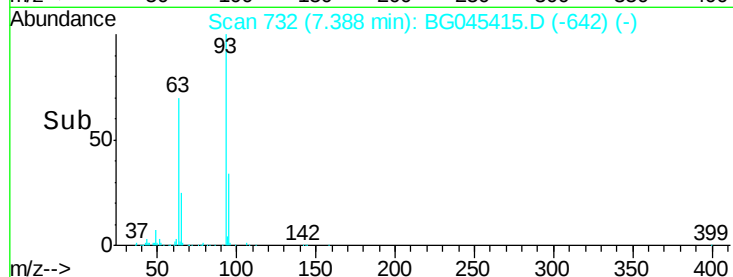
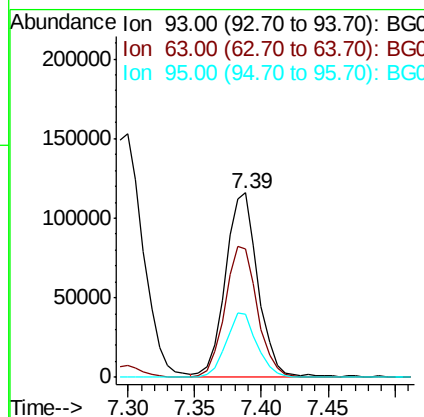
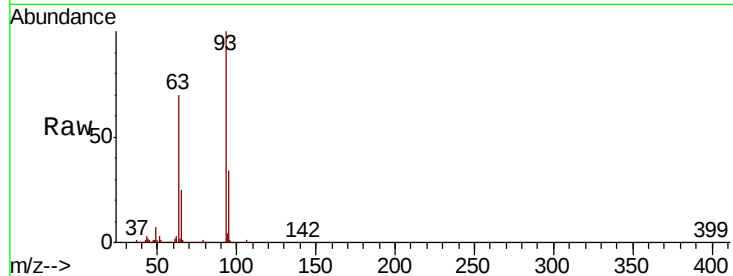
#11  
bis(2-Chloroethyl)ether  
Concen: 43.703 ng  
RT: 7.39 min Scan# 732  
Delta R.T. 0.00 min  
Lab File: BG045415.D  
Acq: 18 May 2020 16:28

Instrument :  
BNA\_G  
ClientSampleId :  
PB128957BS

| Tot Ion   | 93    | Resp  | 196057 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 63        | 70.0  | 48.4  | 88.4   |
| 95        | 34.1  | 12.4  | 52.4   |

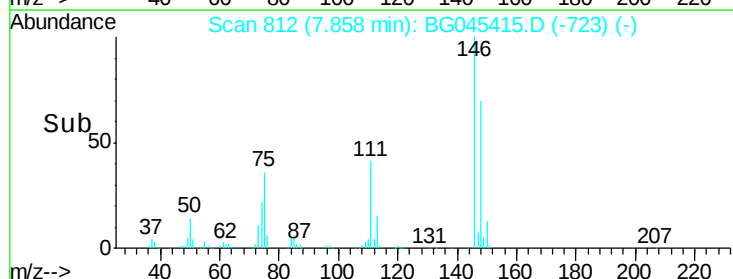
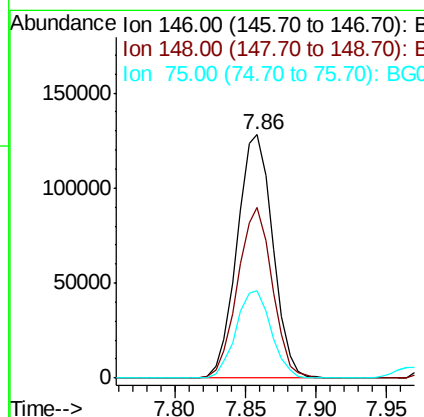
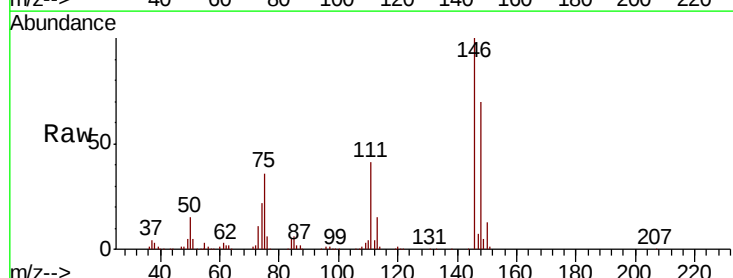
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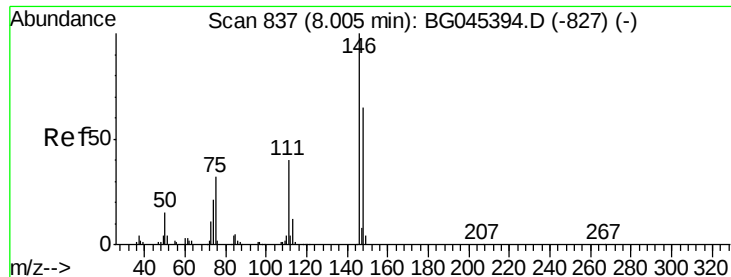
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#12  
1,3-Dichlorobenzene  
Concen: 43.901 ng  
RT: 7.86 min Scan# 812  
Delta R.T. -0.01 min  
Lab File: BG045415.D  
Acq: 18 May 2020 16:28

| Tgt Ion   | 146   | Resp  | 226837 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 70.3  | 53.2  | 79.8   |
| 75        | 36.0  | 28.6  | 43.0   |





#13

1,4-Dichlorobenzene

Concen: 45.825 ng

RT: 8.00 min Scan# 836

Delta R.T. -0.01 min

Lab File: BG045415.D

Acq: 18 May 2020 16:28

Instrument :

BNA\_G

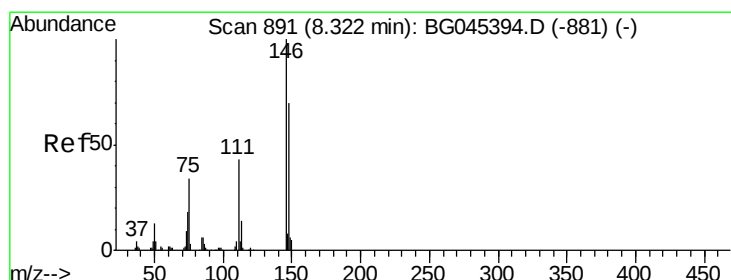
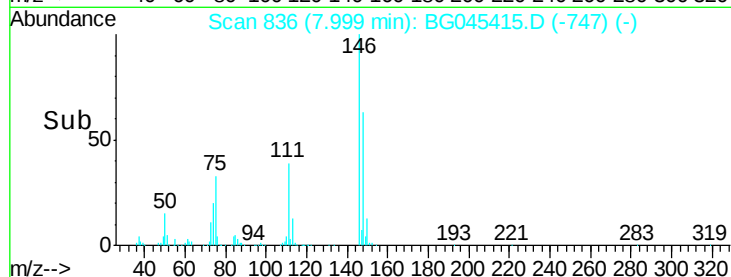
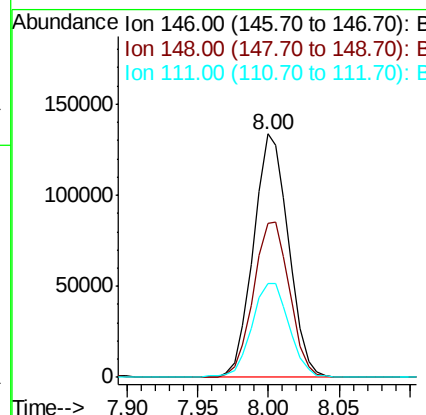
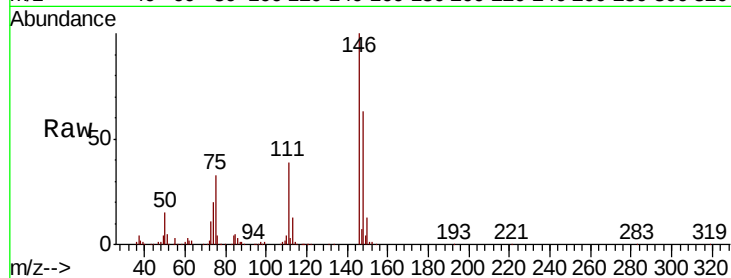
ClientSampleId :

PB128957BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 233663 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 63.4  | 51.8  | 77.8   |
| 111       | 38.5  | 32.1  | 48.1   |

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#14

1,2-Dichlorobenzene

Concen: 44.299 ng

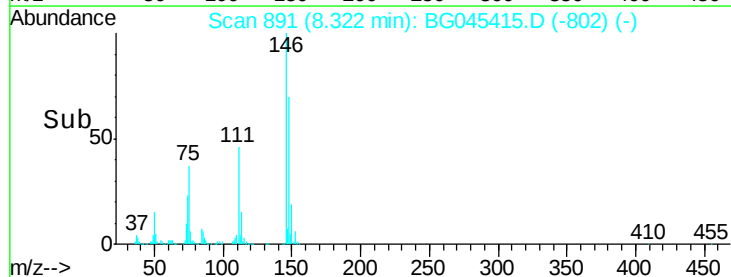
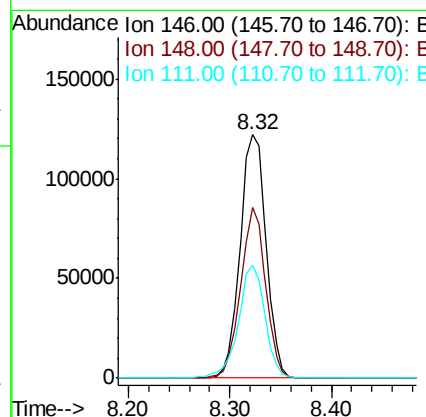
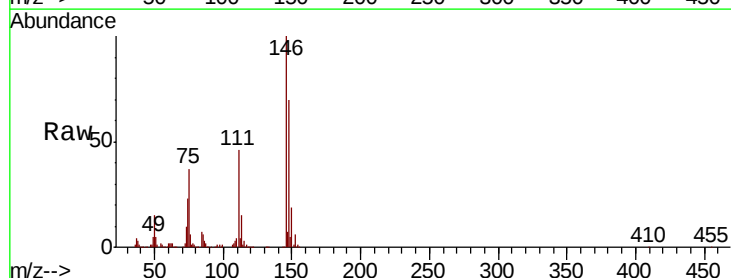
RT: 8.32 min Scan# 891

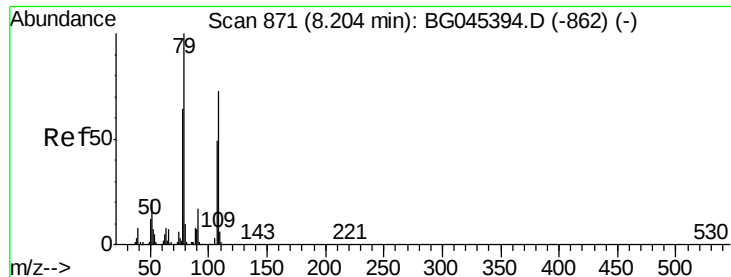
Delta R.T. -0.01 min

Lab File: BG045415.D

Acq: 18 May 2020 16:28

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 217256 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 70.2  | 55.9  | 83.9   |
| 111       | 46.4  | 35.0  | 52.4   |





#15

Benzyl Alcohol

Concen: 48.377 ng

RT: 8.23 min Scan# 875

Delta R.T. 0.00 min

Lab File: BG045415.D

Acq: 18 May 2020 16:28

Instrument :

BNA\_G

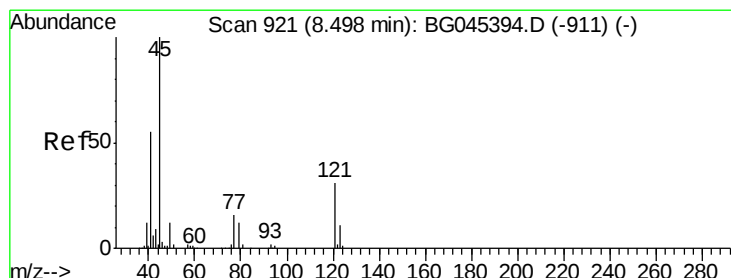
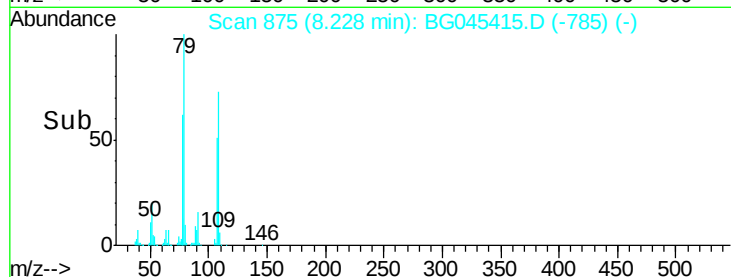
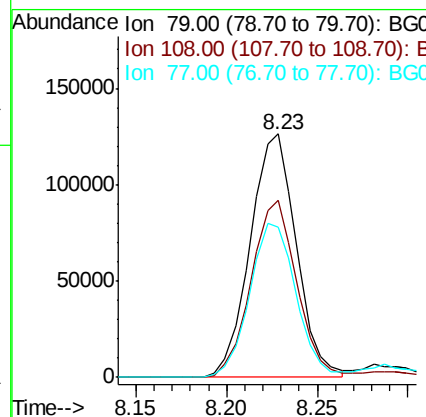
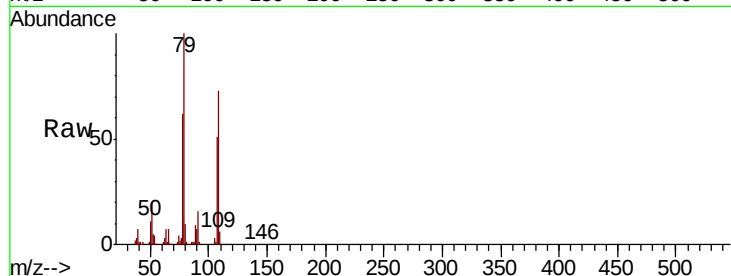
ClientSampleId :

PB128957BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 79    | Resp: | 223019 |
| Ion Ratio | Lower | Upper |        |
| 79        | 100   |       |        |
| 108       | 72.8  | 58.2  | 87.4   |
| 77        | 61.7  | 51.0  | 76.4   |

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 45.480 ng

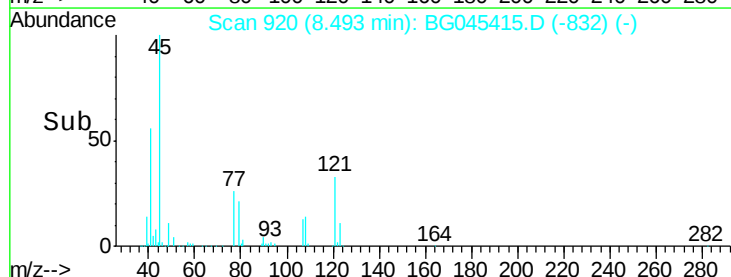
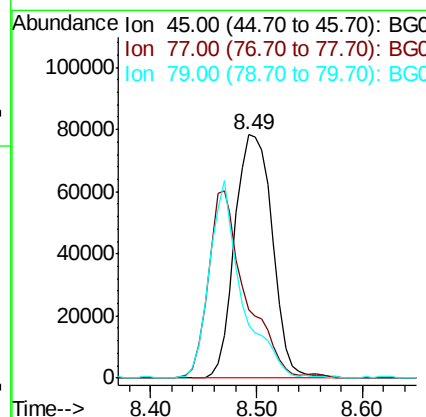
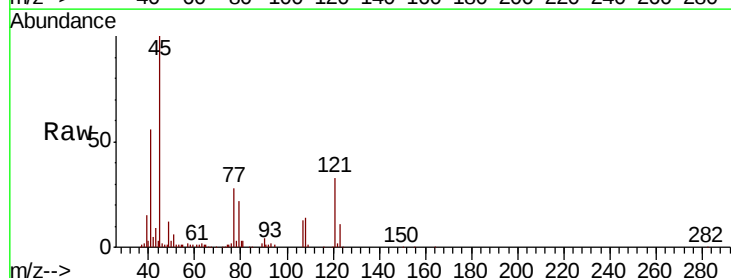
RT: 8.49 min Scan# 920

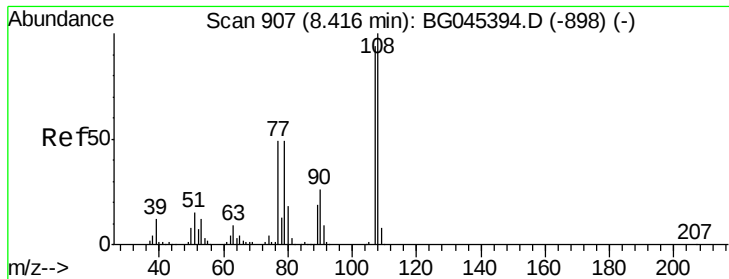
Delta R.T. -0.01 min

Lab File: BG045415.D

Acq: 18 May 2020 16:28

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 45    | Resp: | 193668 |
| Ion Ratio | Lower | Upper |        |
| 45        | 100   |       |        |
| 77        | 28.0  | 4.0   | 44.0   |
| 79        | 21.8  | 0.0   | 38.6   |





#17

2-Methylphenol

Concen: 47.131 ng

RT: 8.47 min Scan# 916

Delta R.T. -0.01 min

Lab File: BG045415.D

Acq: 18 May 2020 16:28

Instrument :

BNA\_G

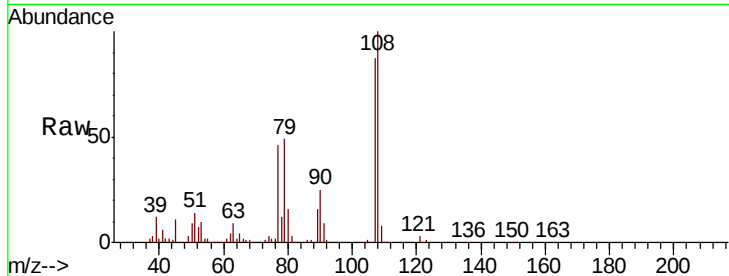
ClientSampleId :

PB128957BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 107     | 100   |      |       |       |
| 108     | 114.6 | 85.2 | 127.8 |       |
| 77      | 53.0  | 41.6 | 62.4  |       |
| 79      | 55.6  | 41.8 | 62.8  |       |

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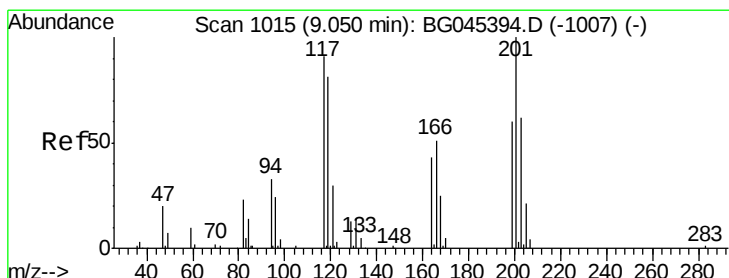
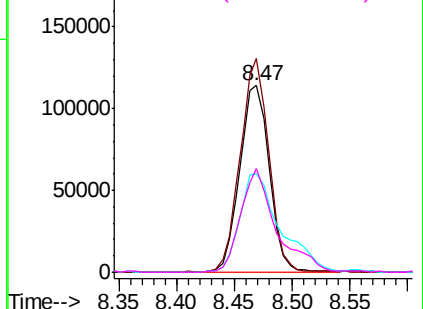
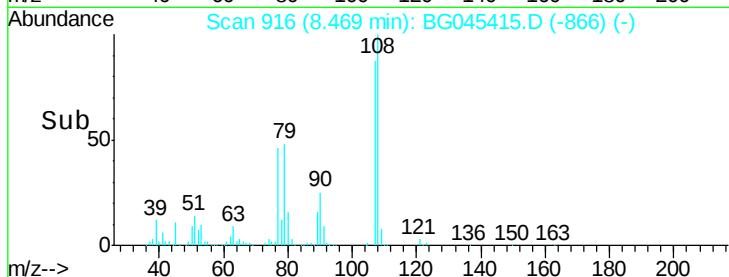


Abundance Ion 107.00 (106.70 to 107.70): E

200000 Ion 108.00 (107.70 to 108.70): E

150000 Ion 77.00 (76.70 to 77.70): BG

100000 Ion 79.00 (78.70 to 79.70): BG



#18

Hexachloroethane

Concen: 43.535 ng

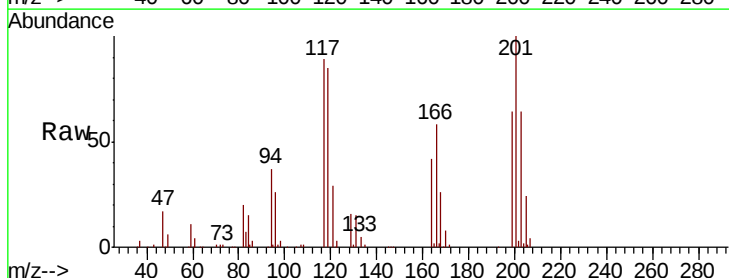
RT: 9.05 min Scan# 1015

Delta R.T. -0.01 min

Lab File: BG045415.D

Acq: 18 May 2020 16:28

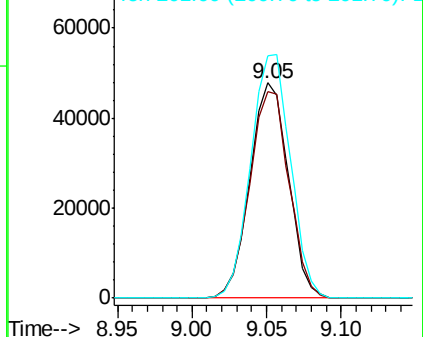
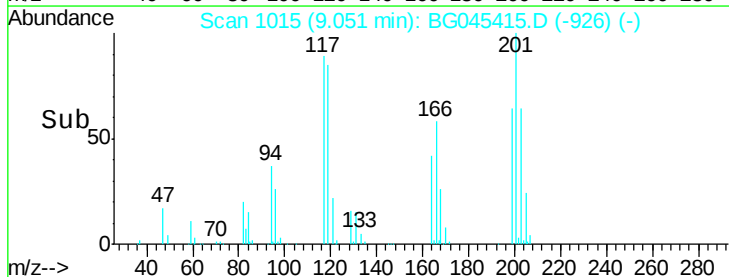
| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 117     | 100   |      |       |       |
| 119     | 96.1  | 71.3 | 106.9 |       |
| 201     | 112.5 | 87.5 | 131.3 |       |

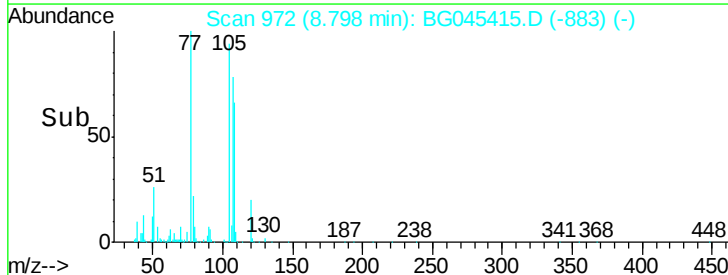
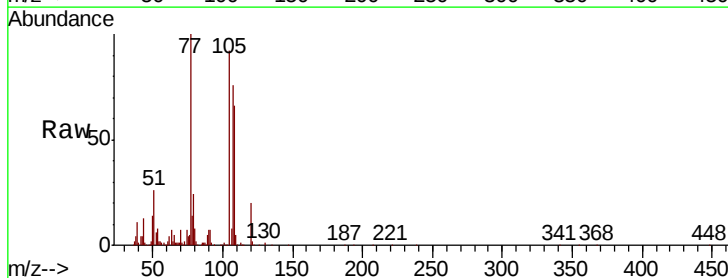
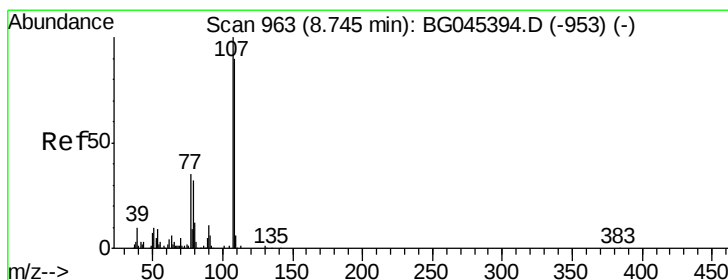
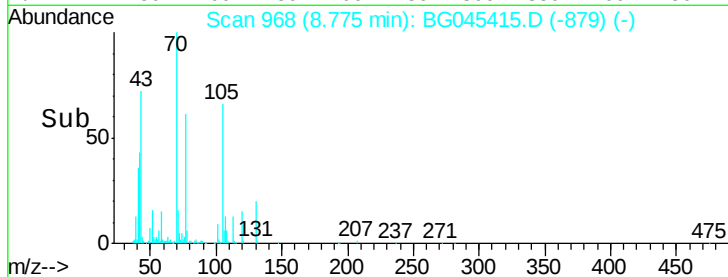
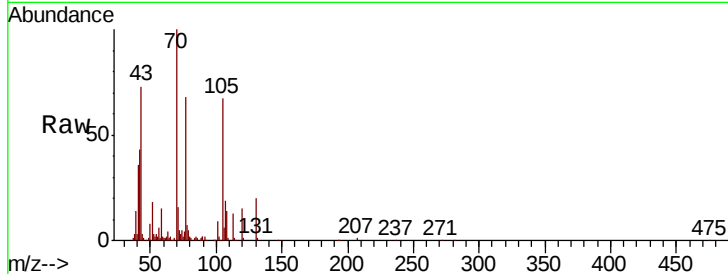
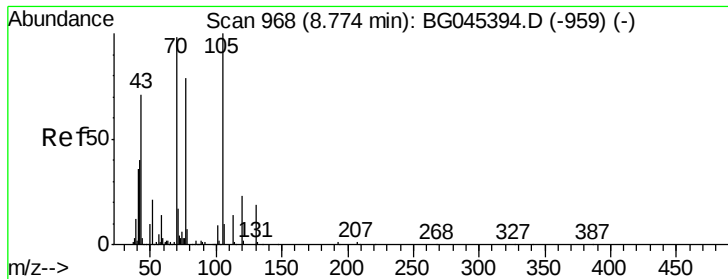


Abundance Ion 117.00 (116.70 to 117.70): E

60000 Ion 119.00 (118.70 to 119.70): E

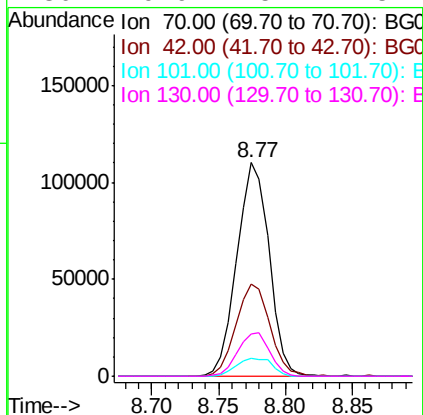
40000 Ion 201.00 (200.70 to 201.70): E





#19  
n-Nitroso-di-n-propylamine  
Concen: 47.755 ng  
RT: 8.77 min Scan# 968  
Delta R.T. -0.01 min  
Lab File: BG045415.D  
Acq: 18 May 2020 16:28

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 70      | 100  |       | 184286 |       |       |
| 42      | 43.3 | 33.2  | 49.8   |       |       |
| 101     | 8.5  | 7.8   | 11.6   |       |       |
| 130     | 19.9 | 15.4  | 23.2   |       |       |



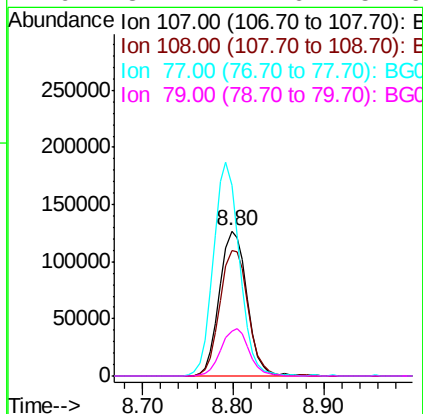
Instrument :  
BNA\_G  
ClientSampleId :  
PB128957BS

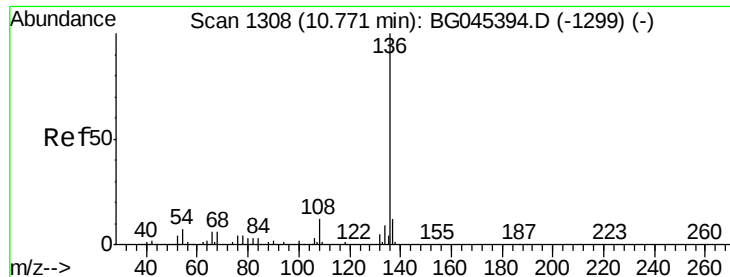
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#20  
3+4-Methylphenols  
Concen: 45.822 ng  
RT: 8.80 min Scan# 972  
Delta R.T. -0.01 min  
Lab File: BG045415.D  
Acq: 18 May 2020 16:28

| Tgt Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 107     | 100   |       | 268616 |       |       |
| 108     | 86.5  | 70.3  | 110.3  |       |       |
| 77      | 131.1 | 15.4  | 55.4#  |       |       |
| 79      | 31.1  | 12.6  | 52.6   |       |       |





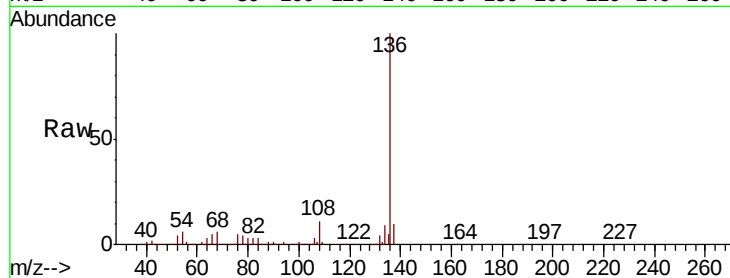
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.78 min Scan# 1309  
Delta R.T. -0.01 min  
Lab File: BG045415.D  
Acq: 18 May 2020 16:28

Instrument :  
BNA\_G  
ClientSampleId :  
PB128957BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 136     | 100   | 324708 |       |       |
| 137     | 9.6   |        | 9.4   | 14.2  |
| 54      | 5.8   |        | 5.8   | 8.6   |
| 68      | 5.9   |        | 4.5   | 6.7   |

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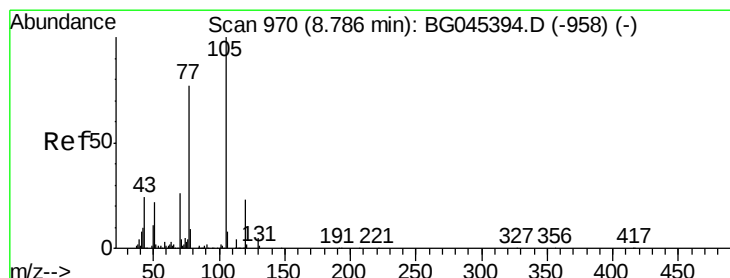
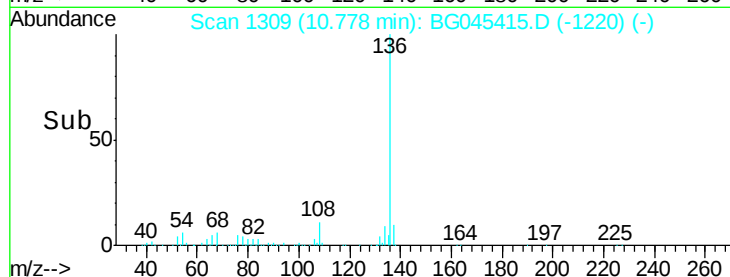
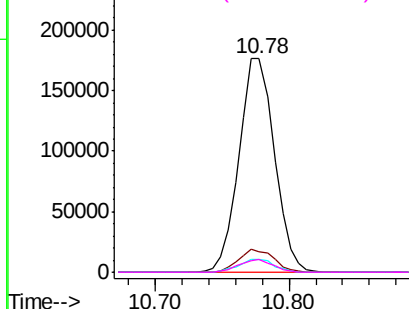
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#22  
Acetophenone  
Concen: 42.797 ng  
RT: 8.79 min Scan# 971  
Delta R.T. -0.01 min  
Lab File: BG045415.D  
Acq: 18 May 2020 16:28

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 329362 |       |       |
| 71      | 3.5   |        | 3.4   | 5.0   |
| 51      | 28.1  |        | 18.2  | 27.2  |
| 120     | 22.0  |        | 18.6  | 27.8  |

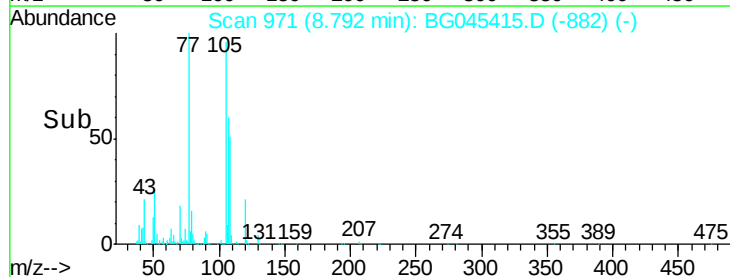
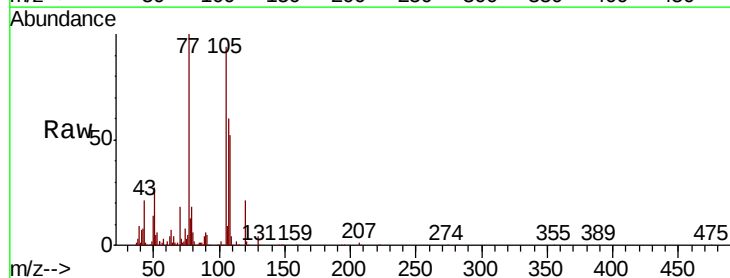
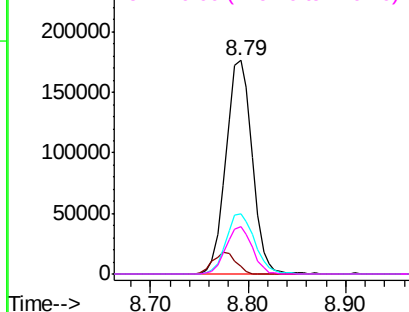
Abundance

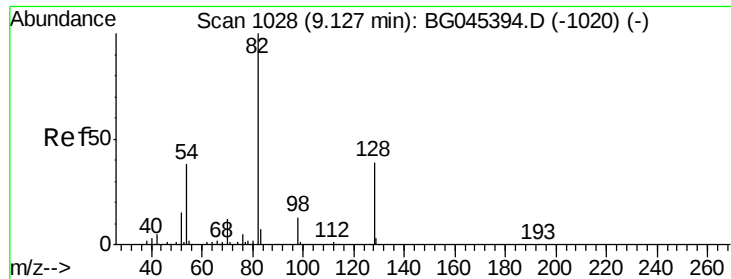
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E





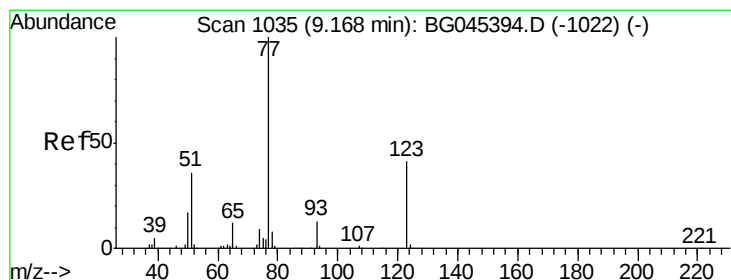
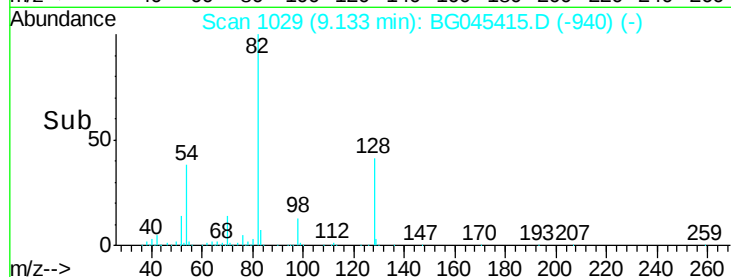
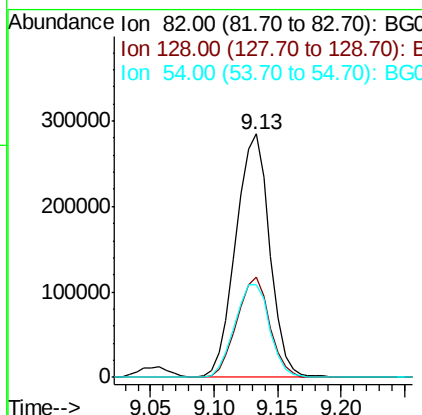
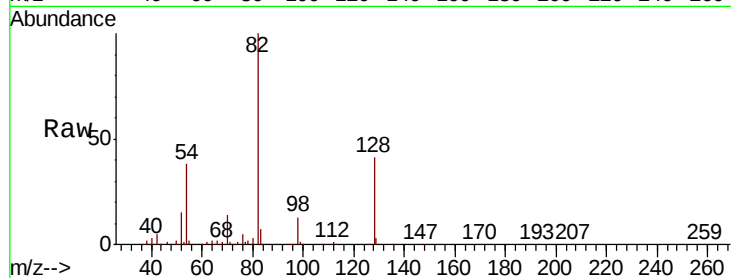
#23  
 Nitrobenzene-d5  
 Concen: 88.297 ng  
 RT: 9.13 min Scan# 1029  
 Delta R.T. -0.01 min  
 Lab File: BG045415.D  
 Acq: 18 May 2020 16:28

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB128957BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 82      | 100   |      |       |       |
| 128     | 41.2  | 30.9 | 46.3  |       |
| 54      | 38.0  | 30.3 | 45.5  |       |

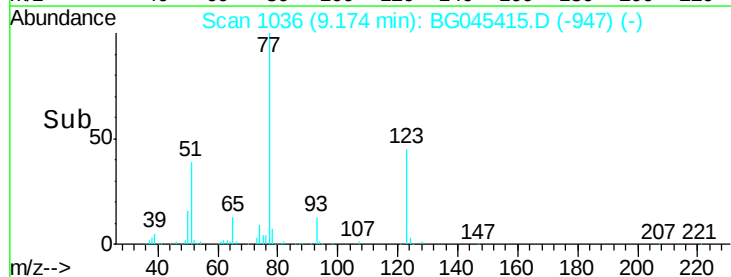
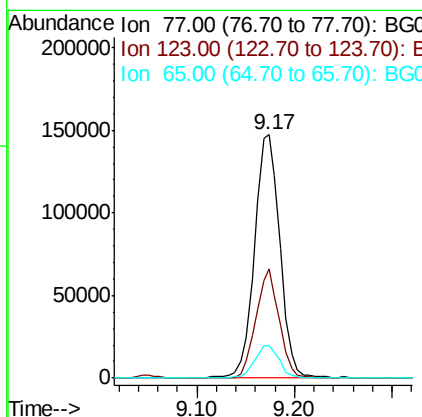
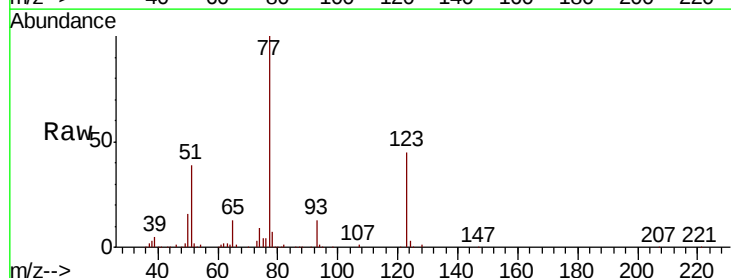
Manual Integrations  
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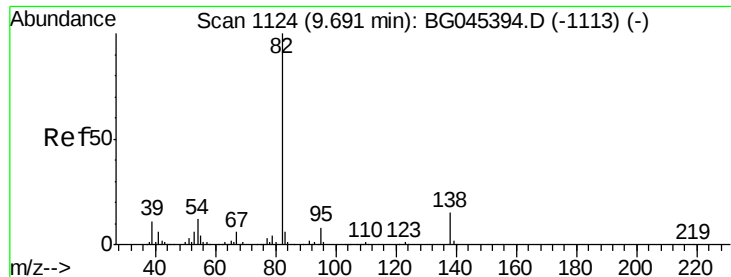
mohammad  
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#24  
 Nitrobenzene  
 Concen: 42.344 ng  
 RT: 9.17 min Scan# 1036  
 Delta R.T. -0.01 min  
 Lab File: BG045415.D  
 Acq: 18 May 2020 16:28

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 77      | 100   |      |       |       |
| 123     | 44.7  | 32.9 | 49.3  |       |
| 65      | 13.4  | 9.4  | 14.2  |       |





#25

Isophorone

Concen: 43.374 ng

RT: 9.70 min Scan# 1125

Delta R.T. -0.01 min

Lab File: BG045415.D

Acq: 18 May 2020 16:28

Instrument :

BNA\_G

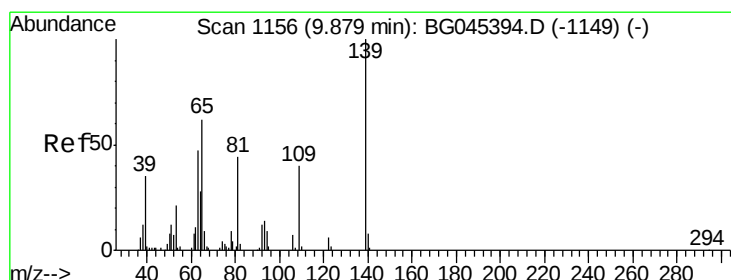
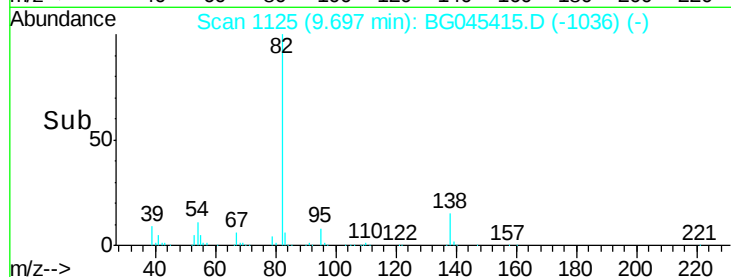
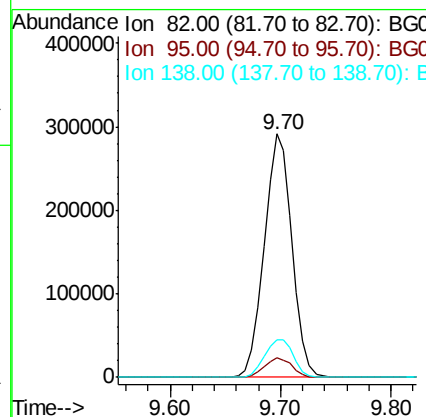
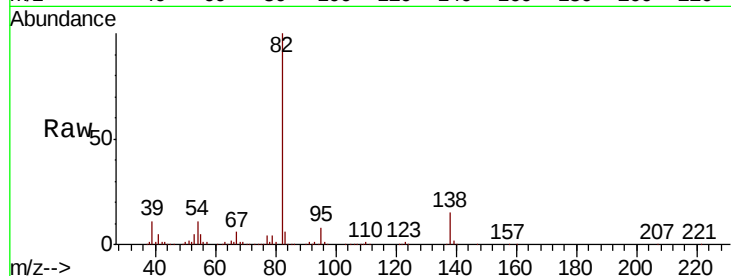
ClientSampleId :

PB128957BS

| Tot Ion   | 82    | Resp  | 508631 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 95        | 8.3   | 6.7   | 10.1   |
| 138       | 15.4  | 12.2  | 18.4   |

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#26

2-Nitrophenol

Concen: 45.889 ng

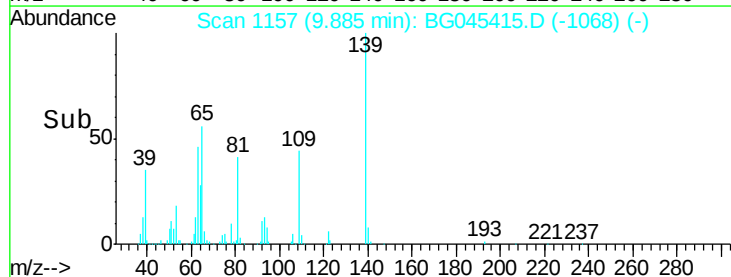
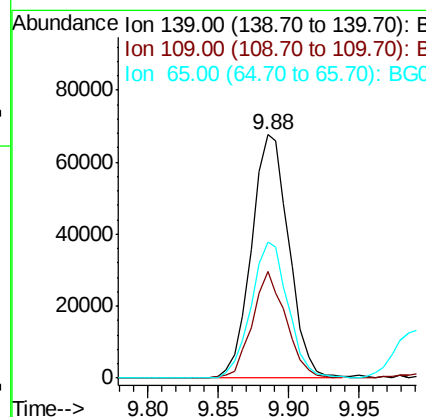
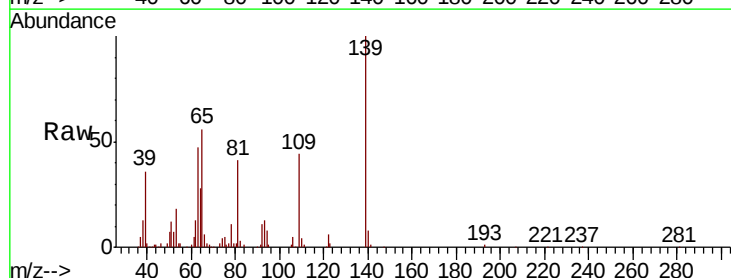
RT: 9.88 min Scan# 1157

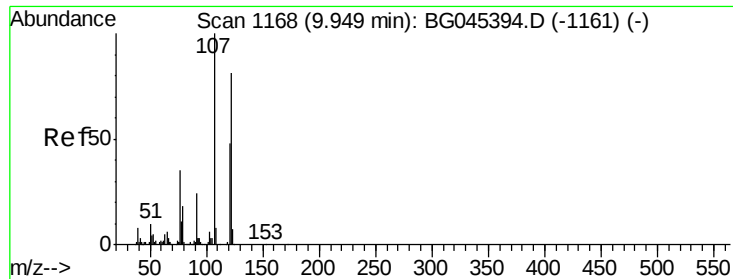
Delta R.T. -0.01 min

Lab File: BG045415.D

Acq: 18 May 2020 16:28

| Tgt Ion   | 139   | Resp  | 125235 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 139       | 100   |       |        |
| 109       | 43.9  | 32.2  | 48.4   |
| 65        | 56.0  | 49.6  | 74.4   |





#27

2,4-Dimethylphenol

Concen: 53.428 ng

RT: 9.98 min Scan# 1174

Delta R.T. -0.01 min

Lab File: BG045415.D

Acq: 18 May 2020 16:28

Instrument :

BNA\_G

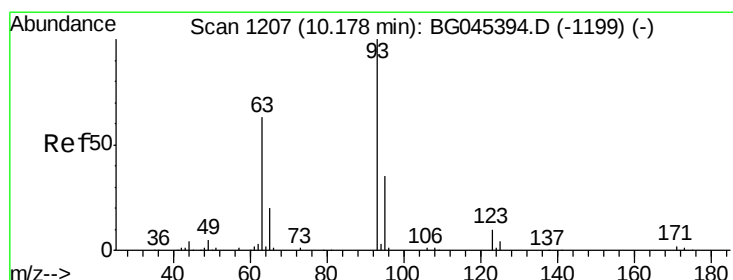
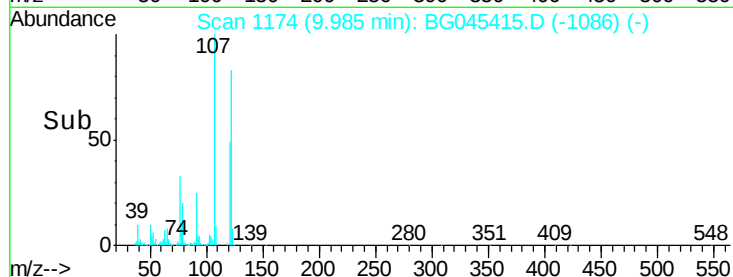
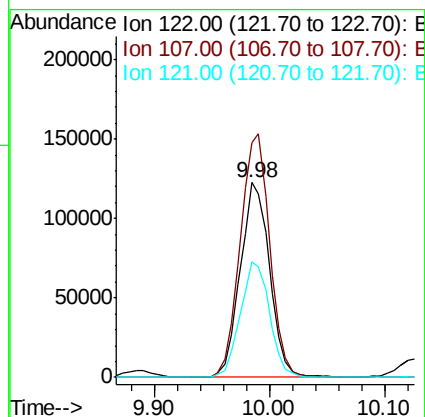
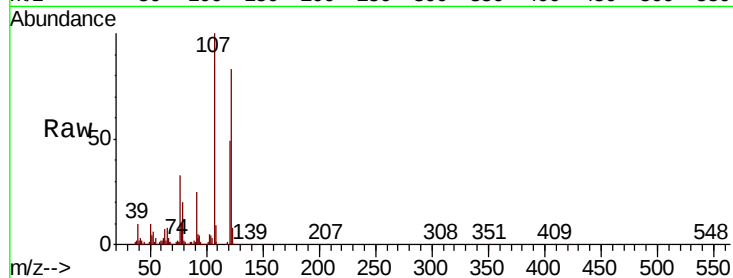
ClientSampleId :

PB128957BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 122   | Resp: | 216258 |
| Ion Ratio | Lower | Upper |        |
| 122       | 100   |       |        |
| 107       | 120.6 | 99.0  | 148.4  |
| 121       | 59.7  | 47.7  | 71.5   |

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#28

bis(2-Chloroethoxy)methane

Concen: 45.055 ng

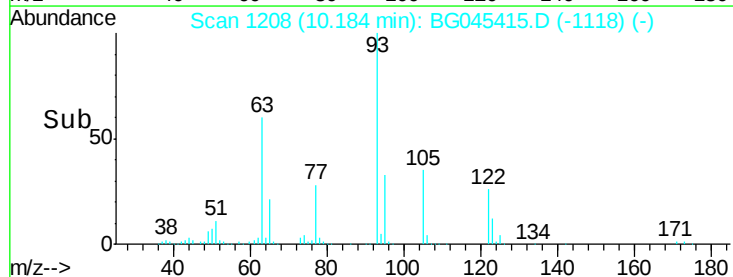
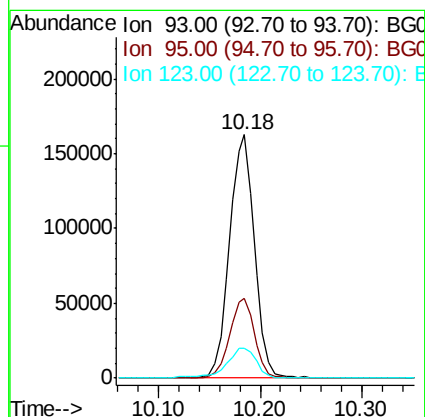
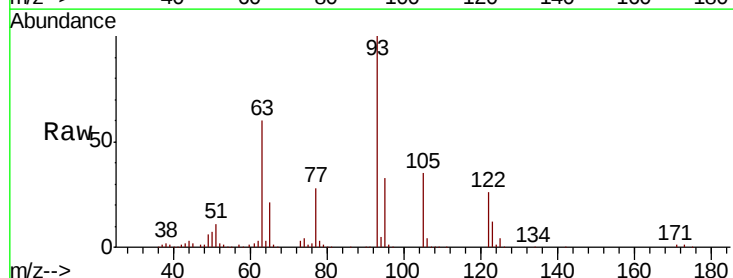
RT: 10.18 min Scan# 1208

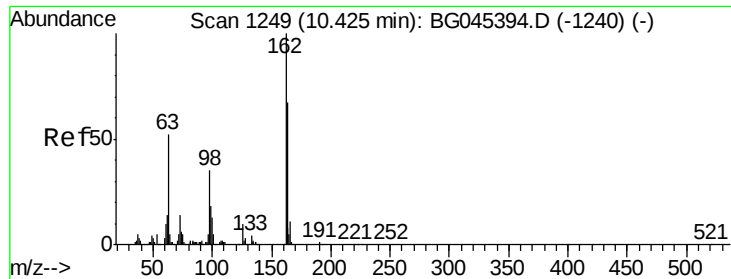
Delta R.T. 0.00 min

Lab File: BG045415.D

Acq: 18 May 2020 16:28

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 93    | Resp: | 277082 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 95        | 32.5  | 27.6  | 41.4   |
| 123       | 12.2  | 8.1   | 12.1#  |





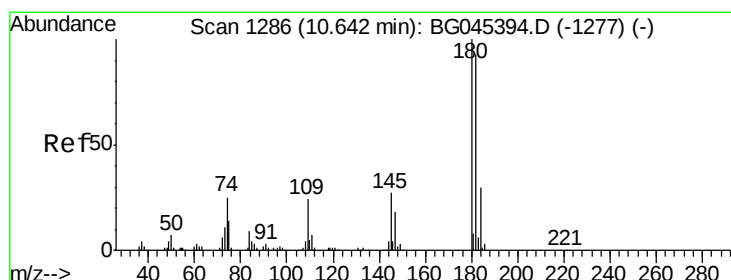
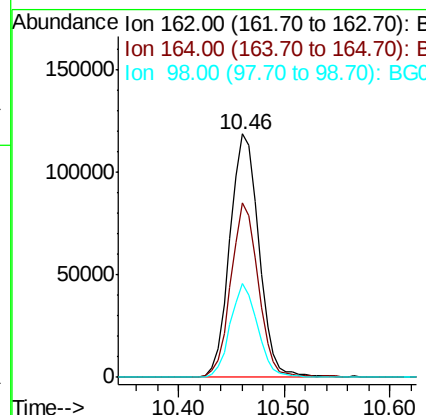
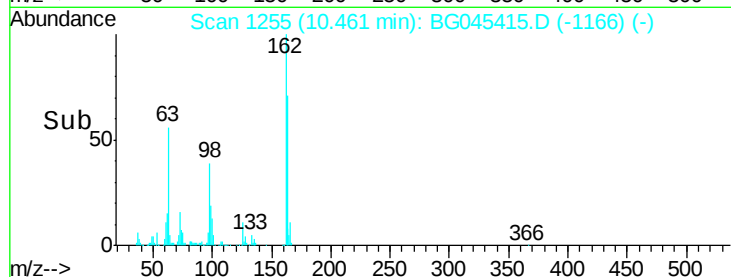
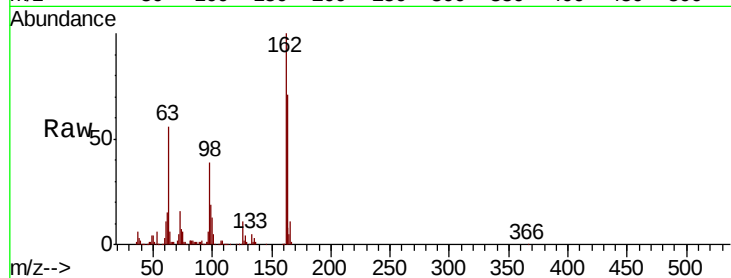
#29  
 2,4-Dichlorophenol  
 Concen: 47.164 ng  
 RT: 10.46 min Scan# 1255  
 Delta R.T. -0.01 min  
 Lab File: BG045415.D  
 Acq: 18 May 2020 16:28

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB128957BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 162     | 100   | 225434 |       |       |
| 164     | 71.5  | 46.8   | 86.8  |       |
| 98      | 38.6  | 15.2   | 55.2  |       |

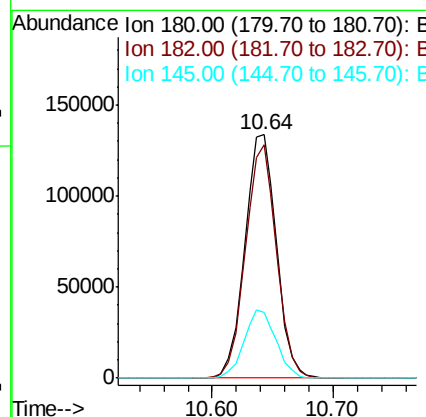
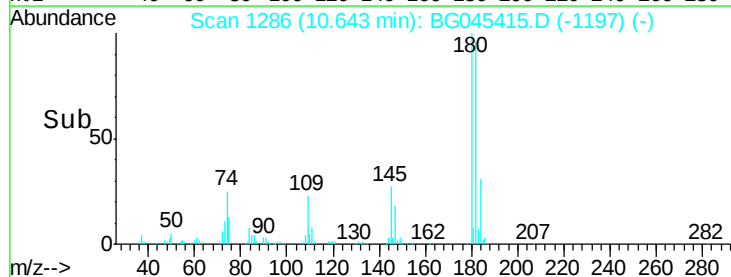
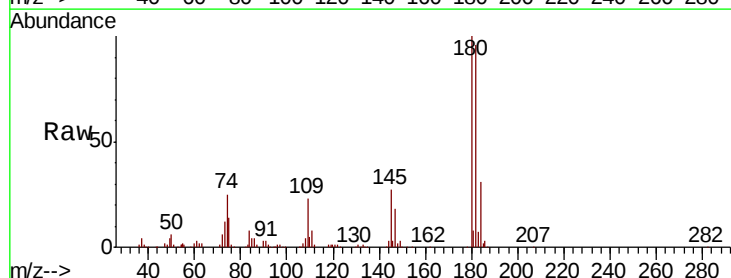
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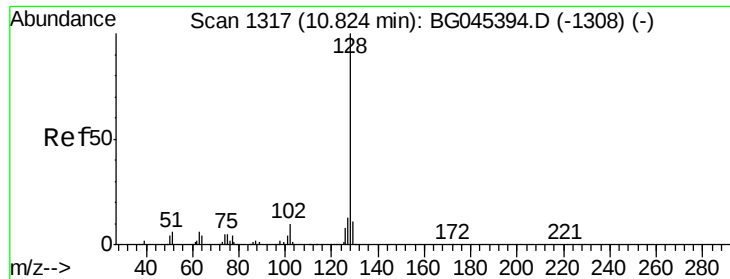
mohammad  
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#30  
 1,2,4-Trichlorobenzene  
 Concen: 42.967 ng  
 RT: 10.64 min Scan# 1286  
 Delta R.T. -0.01 min  
 Lab File: BG045415.D  
 Acq: 18 May 2020 16:28

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 242677 |       |       |
| 182     | 95.7  | 74.8   | 112.2 |       |
| 145     | 27.2  | 21.9   | 32.9  |       |





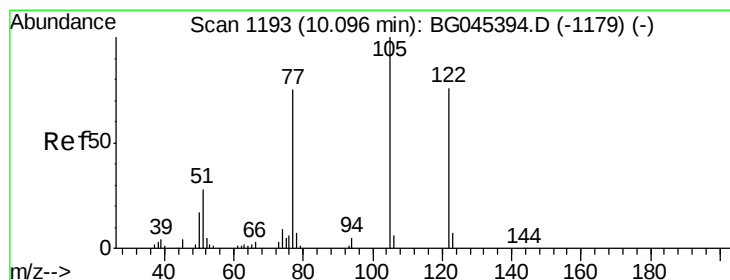
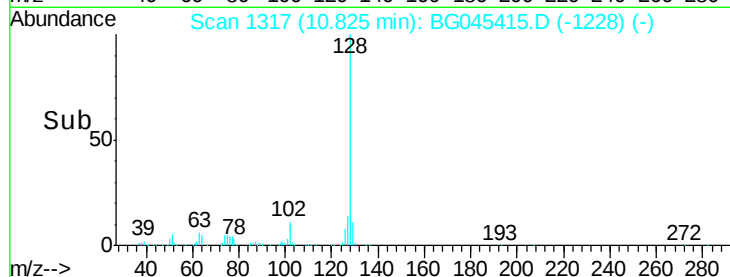
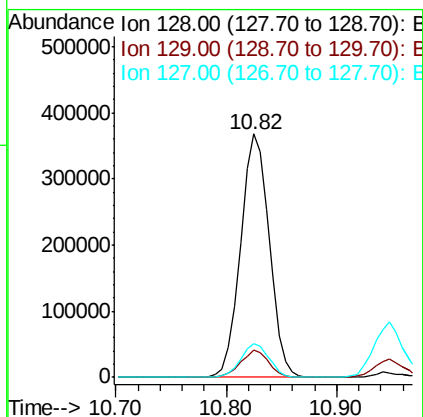
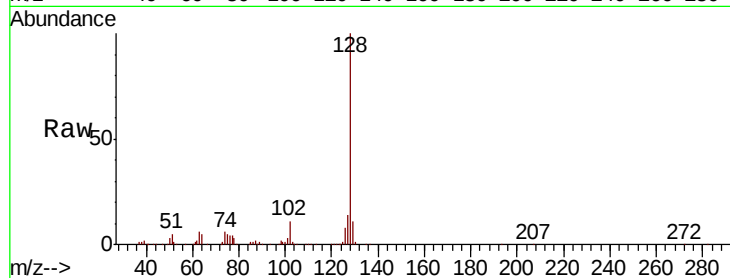
#31  
Naphthalene  
Concen: 44.465 ng  
RT: 10.82 min Scan# 1317  
Delta R.T. -0.01 min  
Lab File: BG045415.D  
Acq: 18 May 2020 16:28

Instrument :  
BNA\_G  
ClientSampleId :  
PB128957BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 128     | 100   |      |       |       |
| 129     | 11.2  | 9.0  | 13.6  |       |
| 127     | 14.0  | 10.7 | 16.1  |       |

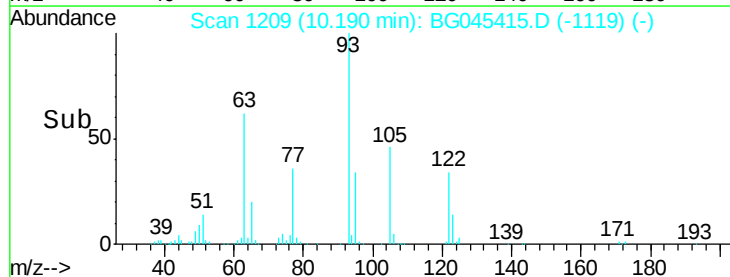
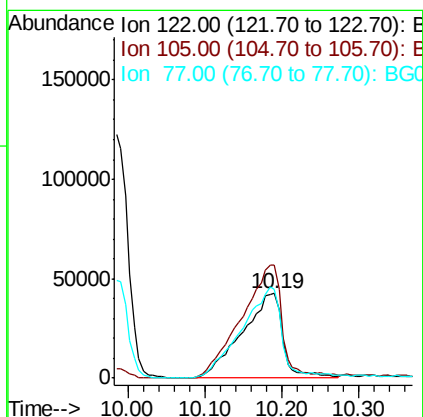
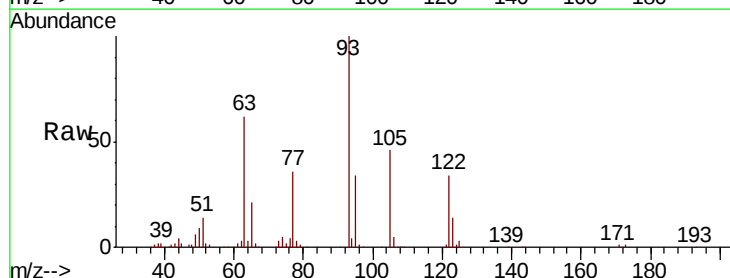
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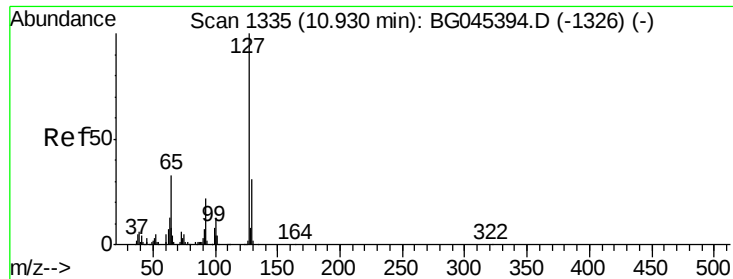
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#32  
Benzoic acid  
Concen: 54.951 ng  
RT: 10.19 min Scan# 1209  
Delta R.T. 0.00 min  
Lab File: BG045415.D  
Acq: 18 May 2020 16:28

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 122     | 100   |       |       |       |
| 105     | 133.0 | 107.9 | 147.9 |       |
| 77      | 105.1 | 78.9  | 118.9 |       |





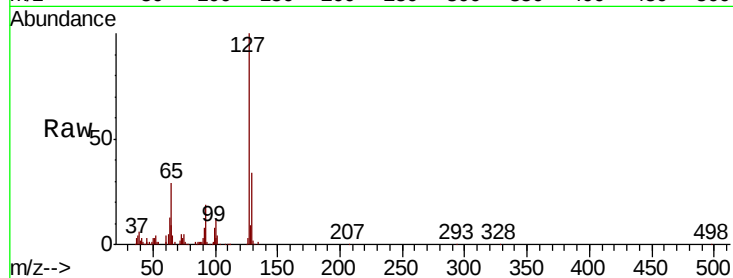
#33  
4-Chloroaniline  
Concen: 25.157 ng  
RT: 10.95 min Scan# 1338  
Delta R.T. -0.01 min  
Lab File: BG045415.D  
Acq: 18 May 2020 16:28

Instrument :  
BNA\_G  
ClientSampleId :  
PB128957BS

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 127     | 100  |       | 159112 |       |       |
| 129     | 33.5 | 24.7  | 37.1   |       |       |
| 65      | 29.0 | 26.2  | 39.2   |       |       |
| 92      | 18.7 | 17.9  | 26.9   |       |       |

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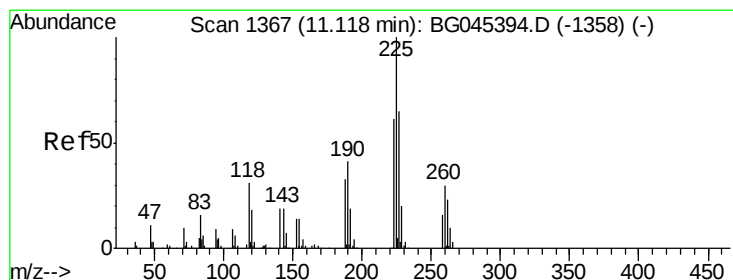
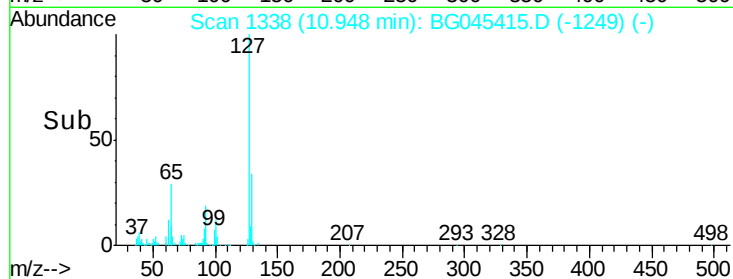
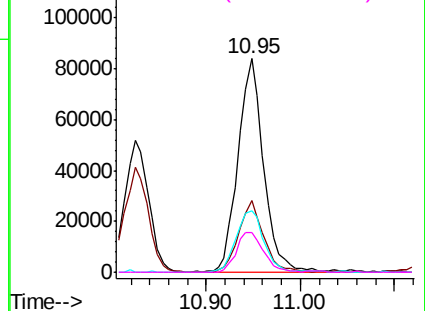
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

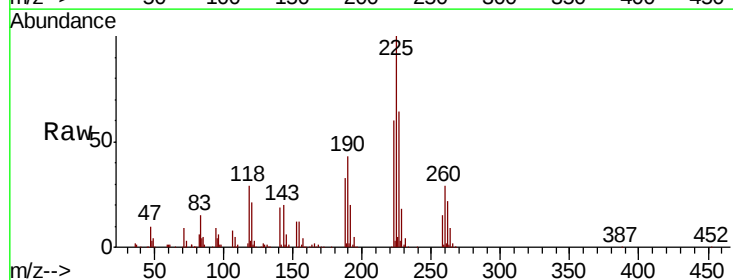
Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC



#34  
Hexachlorobutadiene  
Concen: 40.640 ng  
RT: 11.12 min Scan# 1367  
Delta R.T. -0.01 min  
Lab File: BG045415.D  
Acq: 18 May 2020 16:28

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 225     | 100  |       | 162253 |       |       |
| 223     | 60.2 | 49.1  | 73.7   |       |       |
| 227     | 63.7 | 52.0  | 78.0   |       |       |

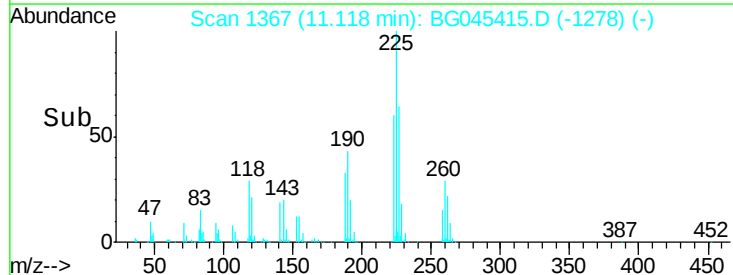
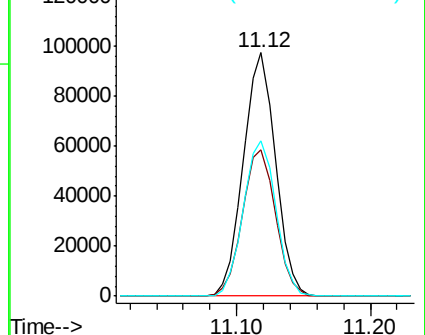


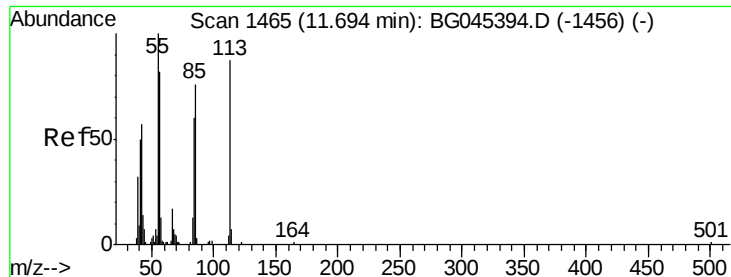
Abundance

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: 46.989 ng/ml

RT: 11.72 min Scan# 1470

Delta R.T. -0.01 min

Lab File: BG045415.D

Acq: 18 May 2020 16:28

Instrument :

BNA\_G

ClientSampleId :

PB128957BS

Tot Ion:113 Resp: 82439

Ion Ratio Lower Upper

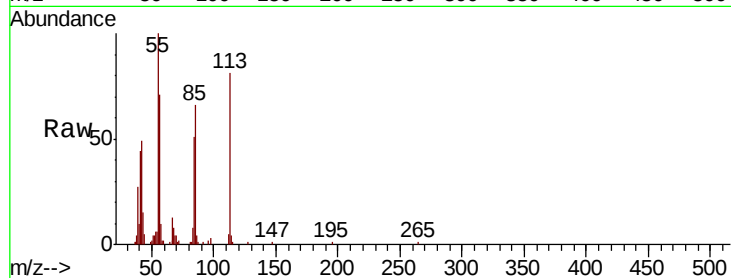
113 100

55 123.0 96.0 136.0

56 87.7 75.1 115.1

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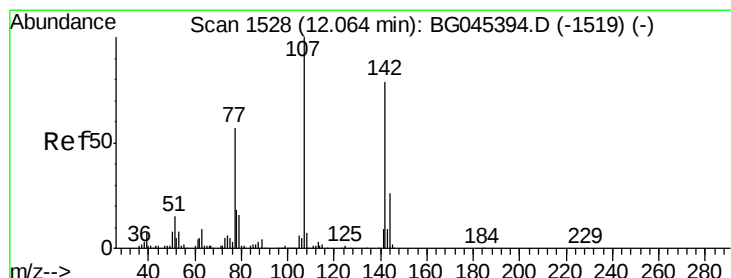
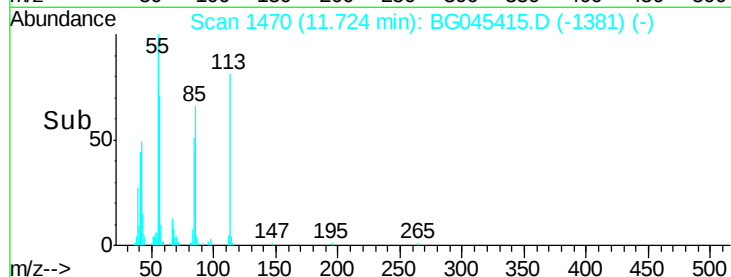
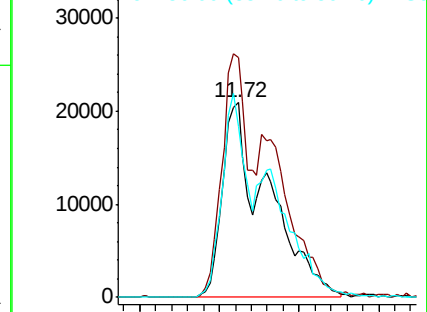
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Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG

Ion 56.00 (55.70 to 56.70): BG



#36

4-Chloro-3-methylphenol

Concen: 49.252 ng/ml

RT: 12.12 min Scan# 1538

Delta R.T. -0.01 min

Lab File: BG045415.D

Acq: 18 May 2020 16:28

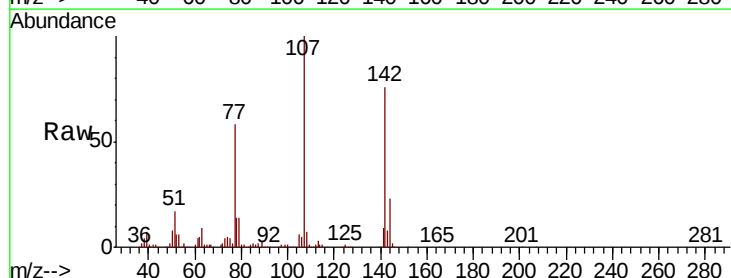
Tgt Ion:107 Resp: 265276

Ion Ratio Lower Upper

107 100

144 22.9 20.8 31.2

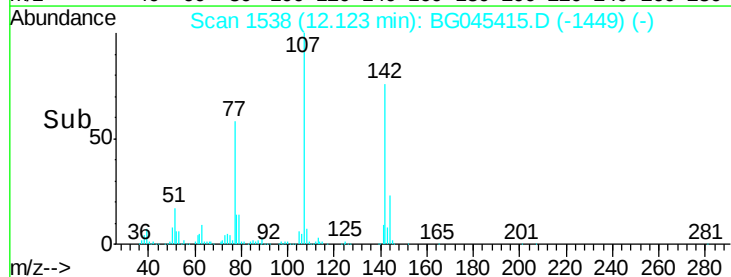
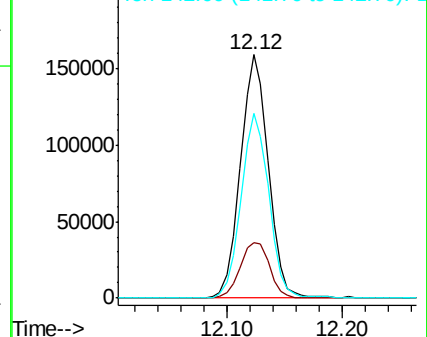
142 75.7 62.8 94.2

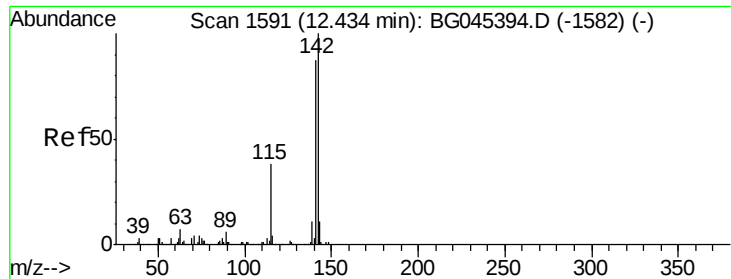


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





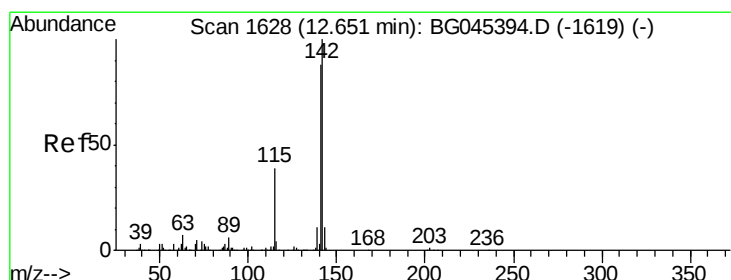
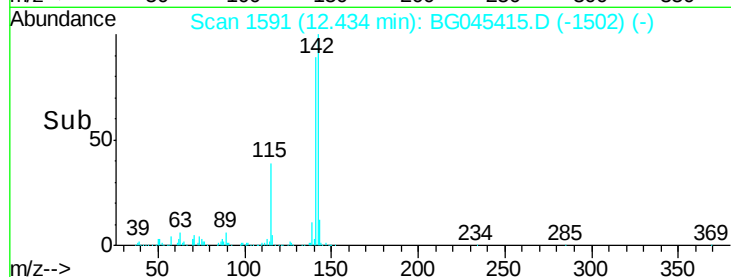
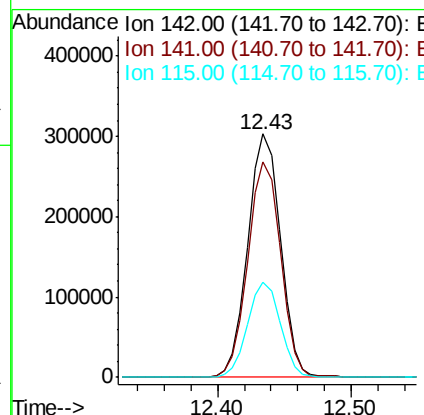
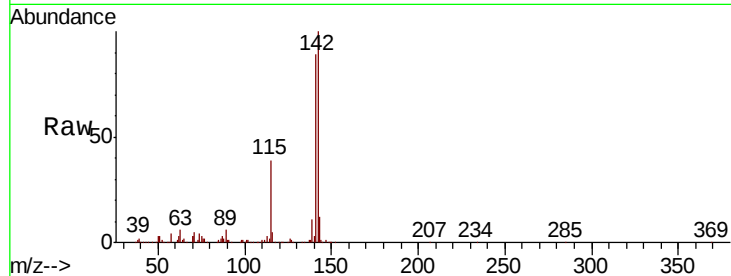
#37  
 2-Methylnaphthalene  
 Concen: 45.522 ng  
 RT: 12.43 min Scan# 1591  
 Delta R.T. -0.01 min  
 Lab File: BG045415.D  
 Acq: 18 May 2020 16:28

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB128957BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 88.7  | 70.0  | 105.0 |
| 115     | 39.3  | 30.8  | 46.2  |

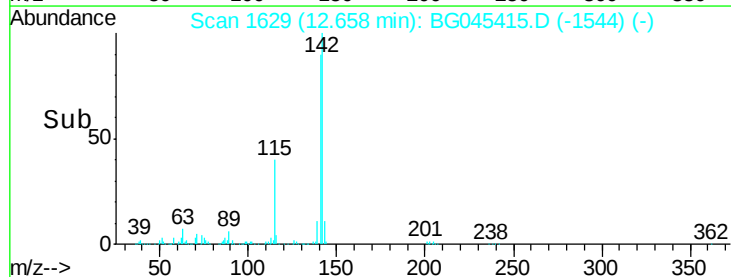
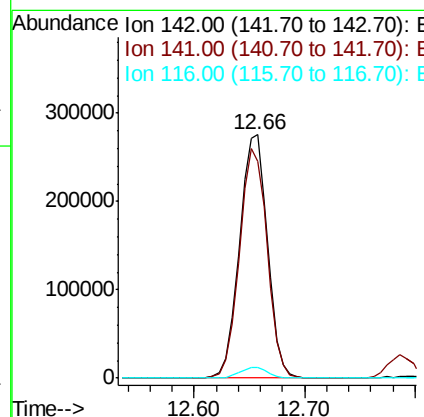
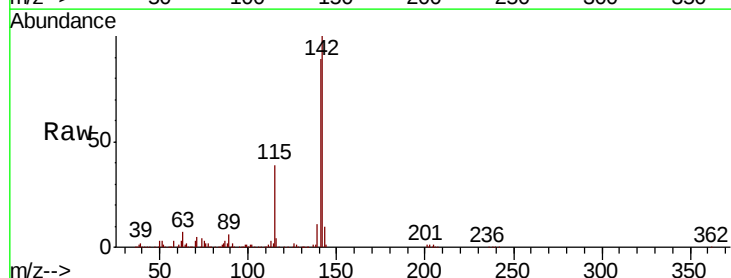
Manual Integrations  
 APPROVED

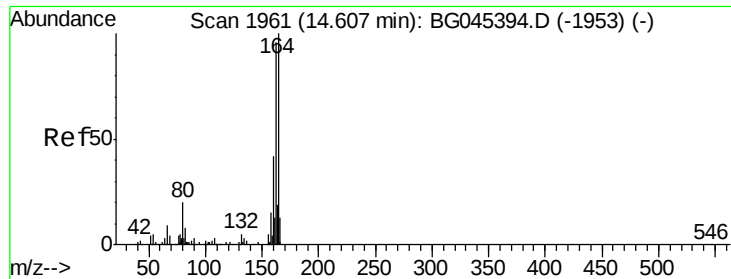
mohammad  
 5/19/2020 3:05:57 PM



#38  
 1-Methylnaphthalene  
 Concen: 46.017 ng  
 RT: 12.66 min Scan# 1629  
 Delta R.T. 0.00 min  
 Lab File: BG045415.D  
 Acq: 18 May 2020 16:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 88.9  | 70.8  | 106.2 |
| 116     | 4.1   | 3.0   | 4.6   |





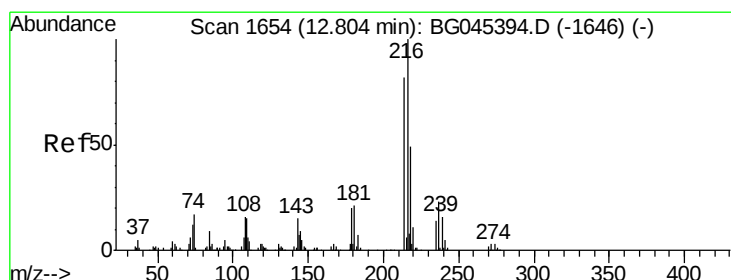
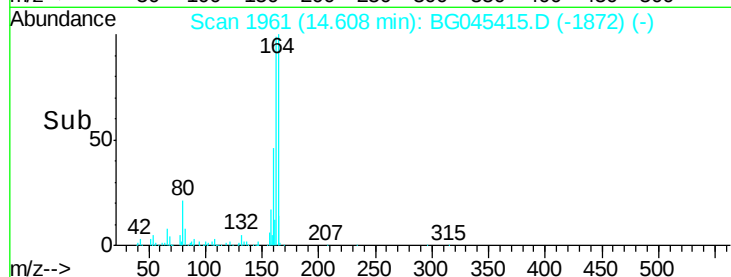
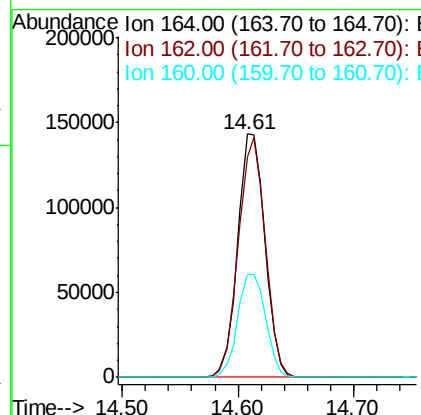
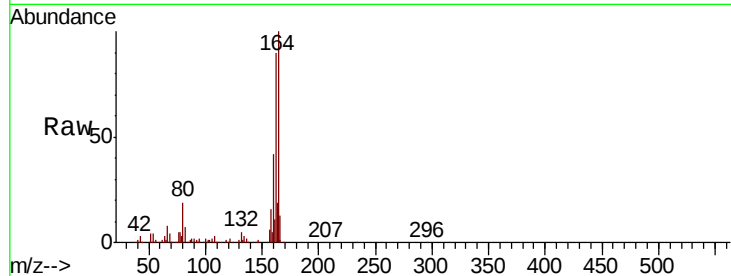
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.61 min Scan# 1961  
Delta R.T. -0.01 min  
Lab File: BG045415.D  
Acq: 18 May 2020 16:28

Instrument :  
BNA\_G  
ClientSampleId :  
PB128957BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 90.4  | 76.9  | 115.3 |
| 160     | 42.4  | 33.8  | 50.8  |

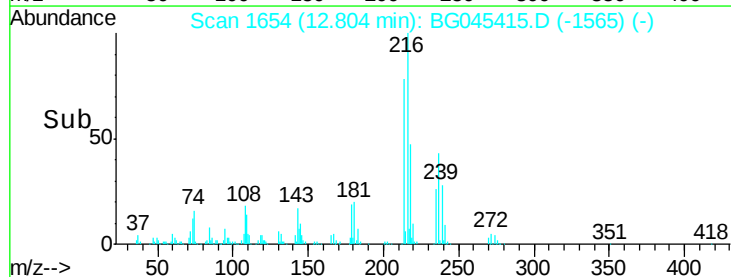
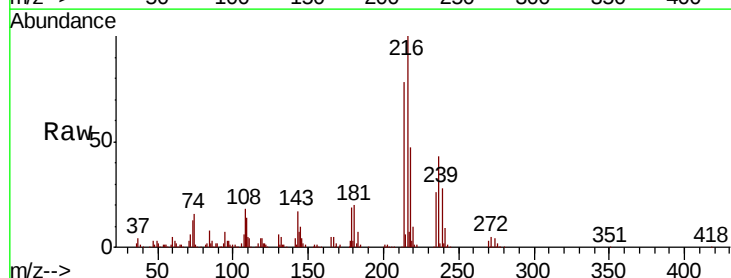
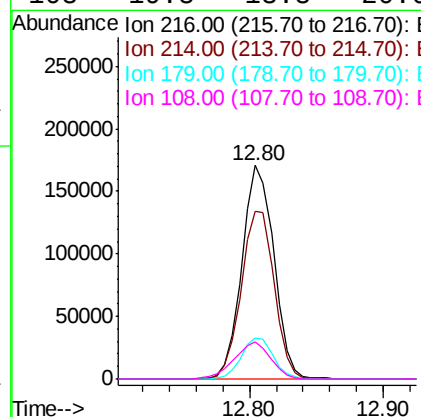
Manual Integrations  
APPROVED

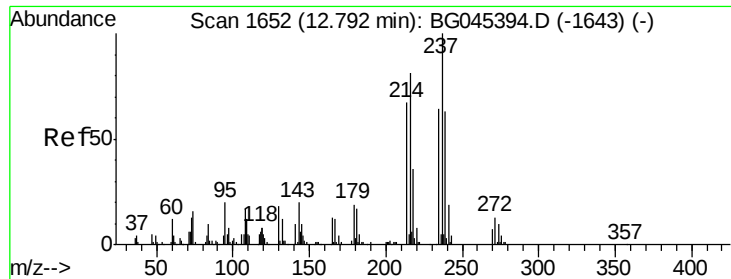
mohammad  
5/19/2020 3:05:57 PM



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 43.160 ng  
RT: 12.80 min Scan# 1654  
Delta R.T. -0.01 min  
Lab File: BG045415.D  
Acq: 18 May 2020 16:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 216     | 100   |       |       |
| 214     | 81.3  | 63.7  | 95.5  |
| 179     | 19.5  | 16.1  | 24.1  |
| 108     | 19.8  | 13.8  | 20.6  |





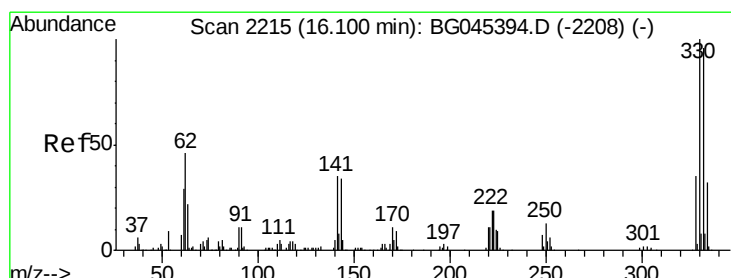
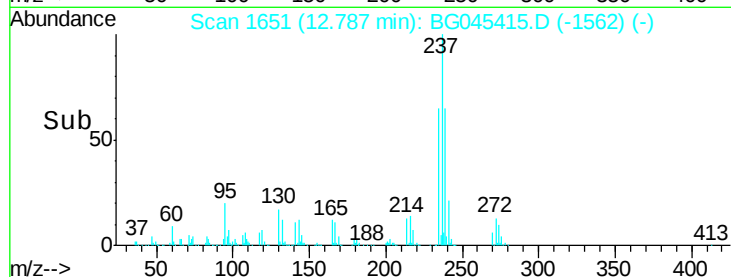
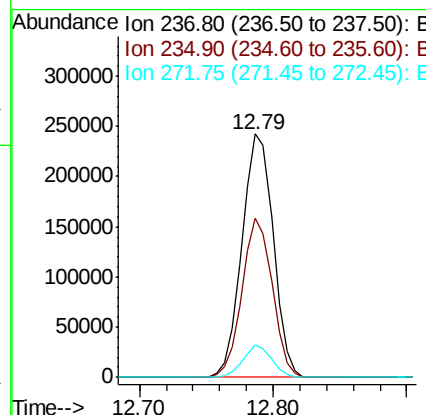
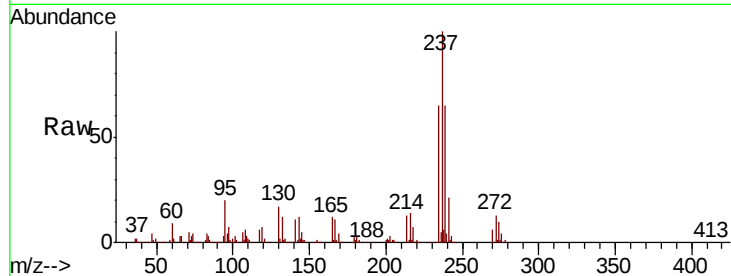
#41  
Hexachlorocyclopentadiene  
Concen: 104.084 ng  
RT: 12.79 min Scan# 1651  
Delta R.T. -0.01 min  
Lab File: BG045415.D  
Acq: 18 May 2020 16:28

Instrument :  
BNA\_G  
ClientSampleId :  
PB128957BS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 237     | 100   |            |       |
| 235     | 65.2  | 44.4       | 84.4  |
| 272     | 13.5  | 0.0        | 32.5  |

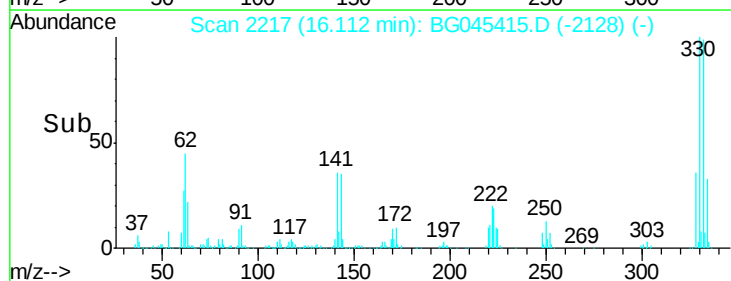
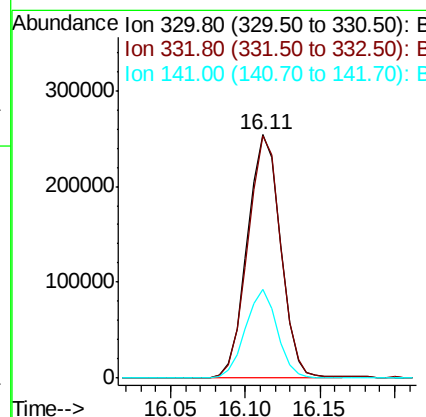
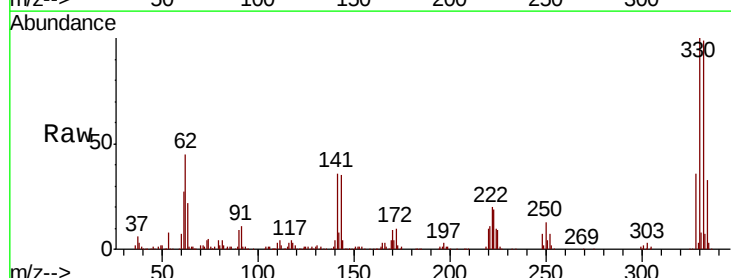
Manual Integrations  
APPROVED

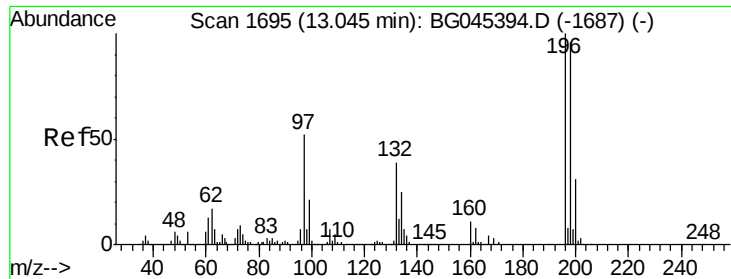
mohammad  
5/19/2020 3:05:57 PM



#42  
2,4,6-Tribromophenol  
Concen: 131.311 ng  
RT: 16.11 min Scan# 2217  
Delta R.T. -0.01 min  
Lab File: BG045415.D  
Acq: 18 May 2020 16:28

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 330     | 100   |            |       |
| 332     | 98.9  | 78.2       | 117.4 |
| 141     | 35.0  | 28.2       | 42.4  |





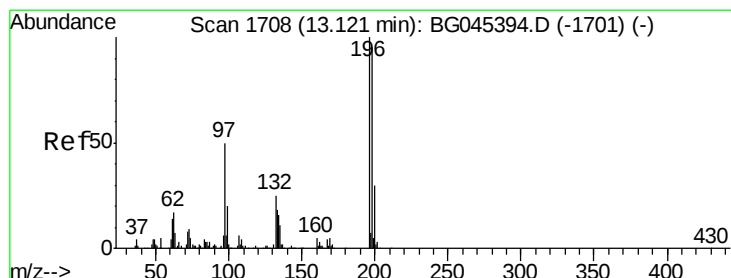
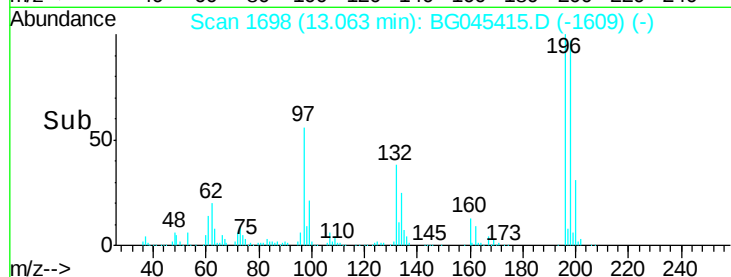
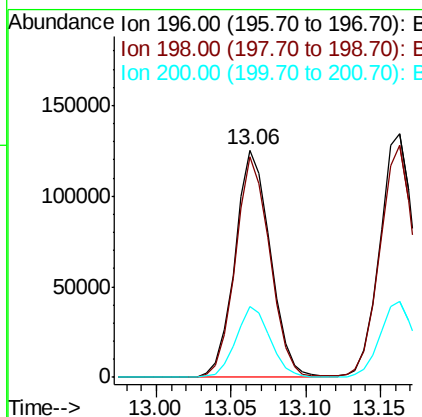
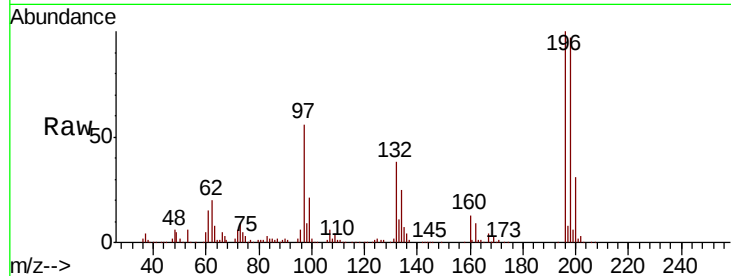
#43  
 2,4,6-Trichlorophenol  
 Concen: 45.540 ng  
 RT: 13.06 min Scan# 1698  
 Delta R.T. -0.01 min  
 Lab File: BG045415.D  
 Acq: 18 May 2020 16:28

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB128957BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 206464 |       |       |
| 198     | 97.1  | 76.7   | 115.1 |       |
| 200     | 31.4  | 24.9   | 37.3  |       |

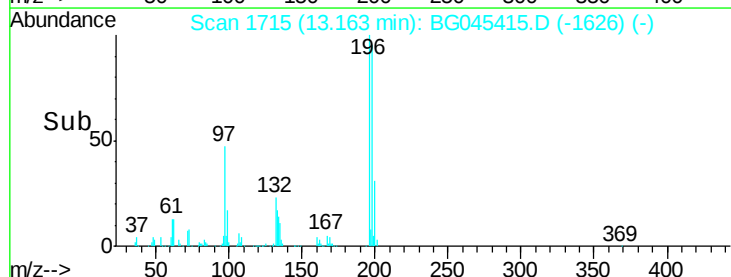
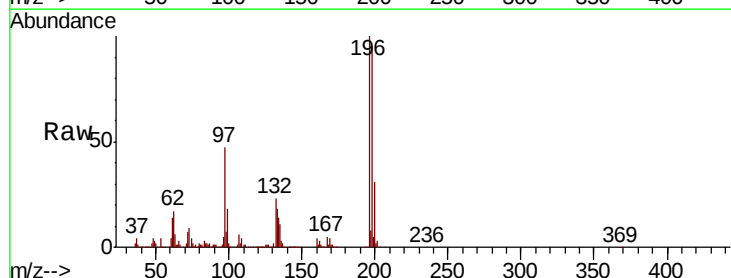
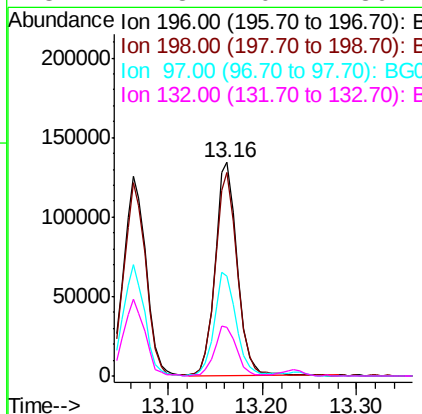
Manual Integrations  
 APPROVED

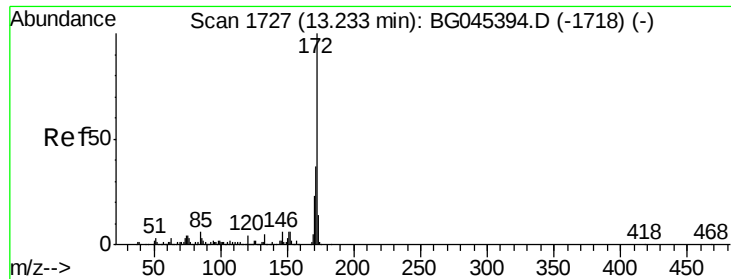
mohammad  
 5/19/2020 3:05:57 PM



#44  
 2,4,5-Trichlorophenol  
 Concen: 42.501 ng  
 RT: 13.16 min Scan# 1715  
 Delta R.T. -0.01 min  
 Lab File: BG045415.D  
 Acq: 18 May 2020 16:28

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 220192 |       |       |
| 198     | 95.2  | 76.1   | 114.1 |       |
| 97      | 47.1  | 40.0   | 60.0  |       |
| 132     | 22.8  | 20.2   | 30.2  |       |





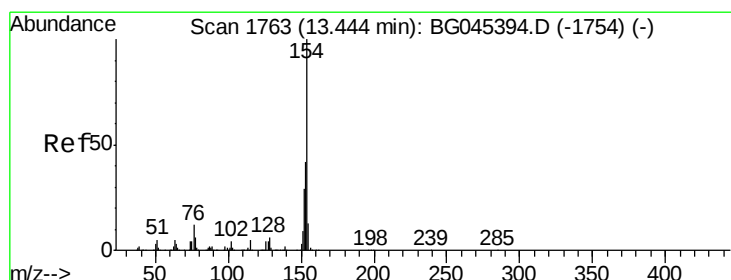
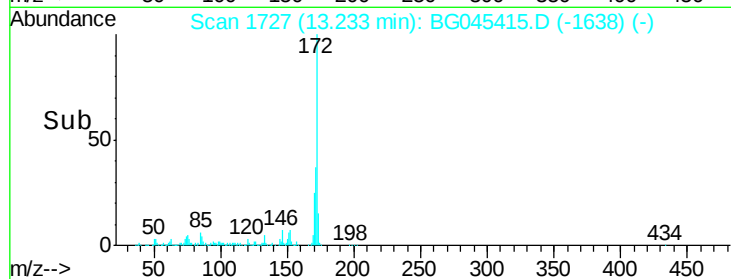
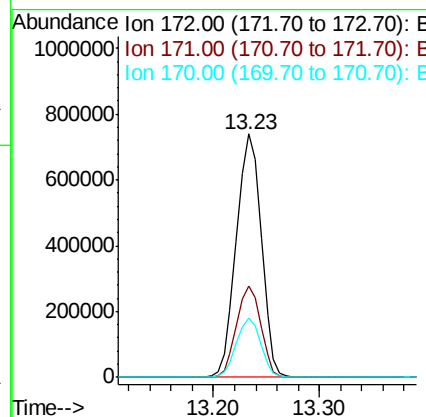
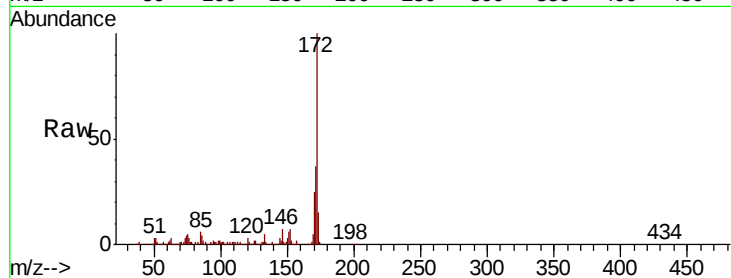
#45  
2-Fluorobiphenyl  
Concen: 87.544 ng  
RT: 13.23 min Scan# 1727  
Delta R.T. -0.01 min  
Lab File: BG045415.D  
Acq: 18 May 2020 16:28

Instrument :  
BNA\_G  
ClientSampleId :  
PB128957BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.4  | 29.5  | 44.3  |
| 170     | 24.6  | 18.5  | 27.7  |

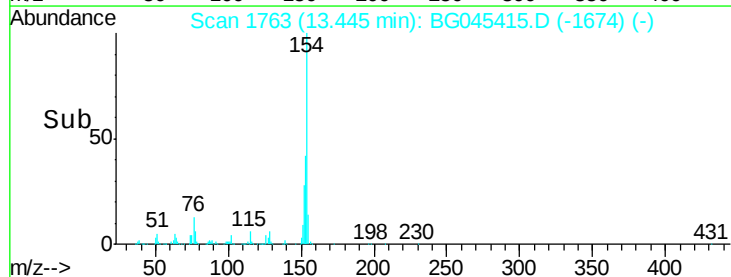
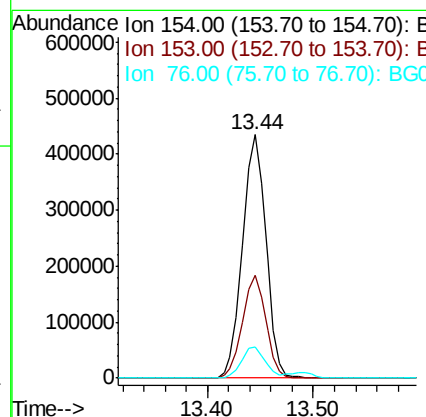
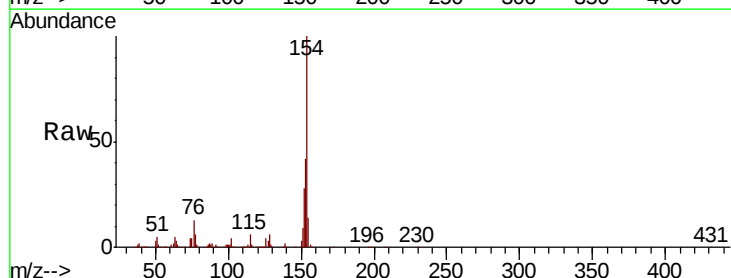
Manual Integrations  
APPROVED

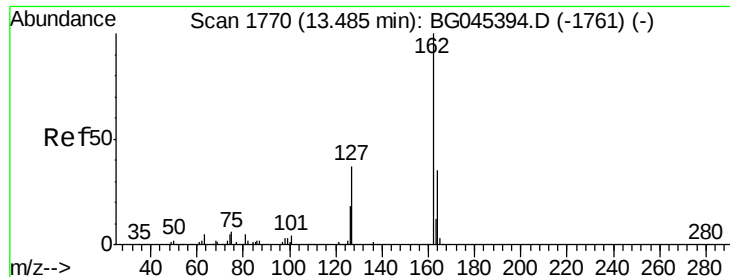
mohammad  
5/19/2020 3:05:57 PM



#46  
1,1'-Biphenyl  
Concen: 46.365 ng  
RT: 13.44 min Scan# 1763  
Delta R.T. -0.01 min  
Lab File: BG045415.D  
Acq: 18 May 2020 16:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 42.3  | 22.2  | 62.2  |
| 76      | 12.8  | 0.0   | 32.4  |





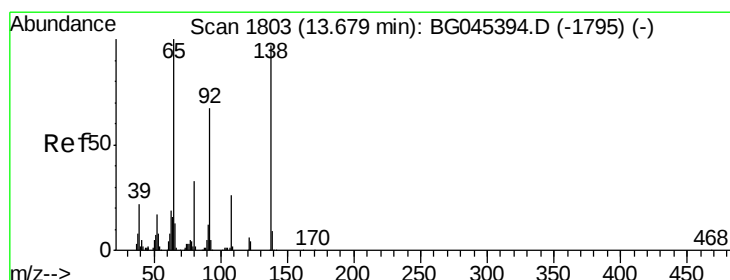
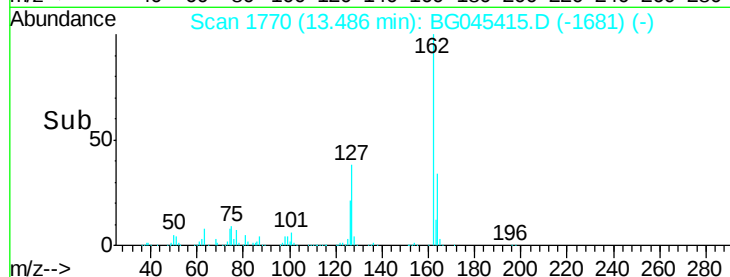
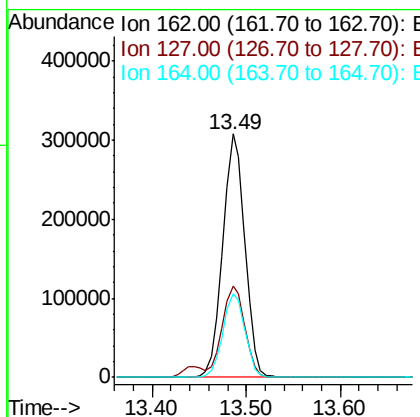
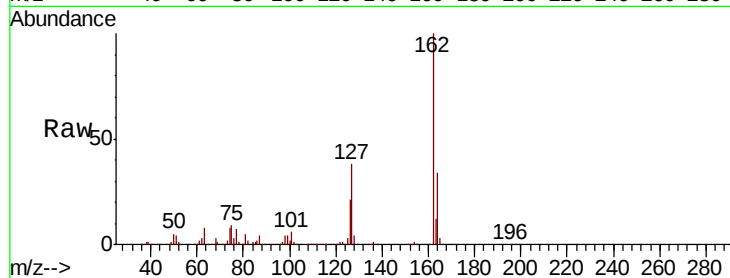
#47  
2-Chloronaphthalene  
Concen: 43.236 ng  
RT: 13.49 min Scan# 1770  
Delta R.T. -0.01 min  
Lab File: BG045415.D  
Acq: 18 May 2020 16:28

Instrument :  
BNA\_G  
ClientSampleId :  
PB128957BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 162     | 100   | 504073 |       |       |
| 127     | 37.7  |        | 31.6  | 47.4  |
| 164     | 34.2  |        | 28.1  | 42.1  |

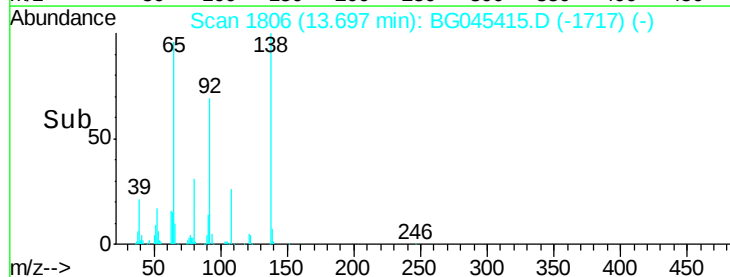
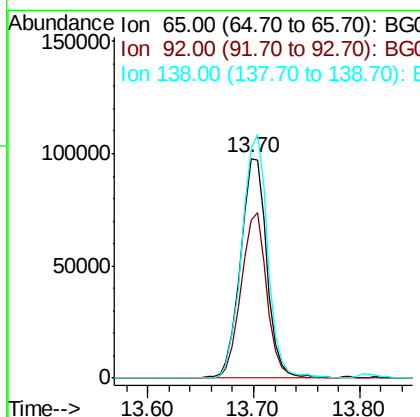
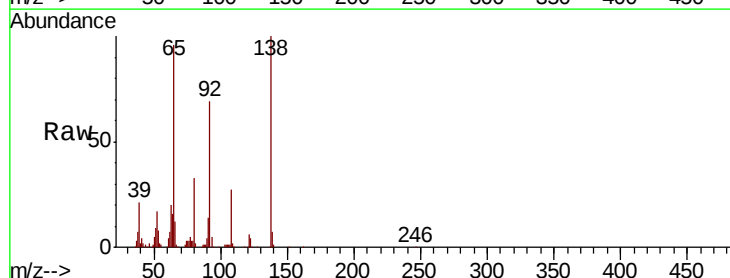
Manual Integrations  
APPROVED

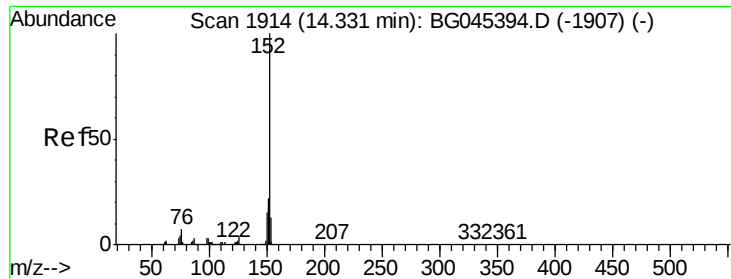
mohammad  
5/19/2020 3:05:57 PM



#48  
2-Nitroaniline  
Concen: 43.994 ng  
RT: 13.70 min Scan# 1806  
Delta R.T. -0.01 min  
Lab File: BG045415.D  
Acq: 18 May 2020 16:28

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 168721 |       |       |
| 92      | 72.0  |        | 53.8  | 80.8  |
| 138     | 104.2 |        | 77.9  | 116.9 |





#49

Acenaphthylene

Concen: 45.512 ng

RT: 14.33 min Scan# 1914

Delta R.T. -0.01 min

Lab File: BG045415.D

Acq: 18 May 2020 16:28

Instrument :

BNA\_G

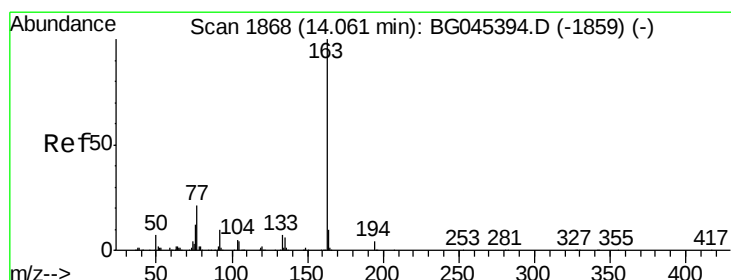
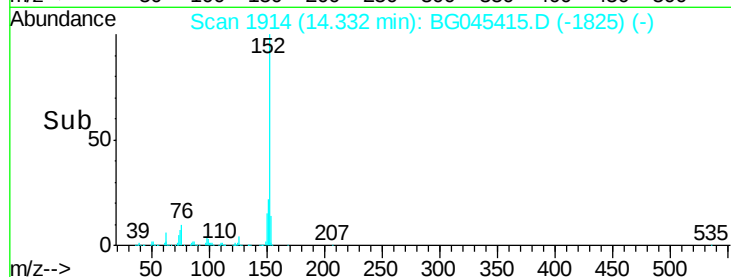
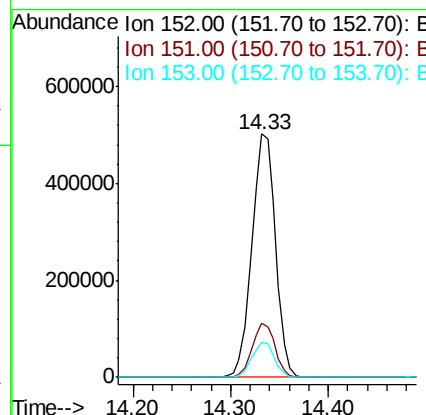
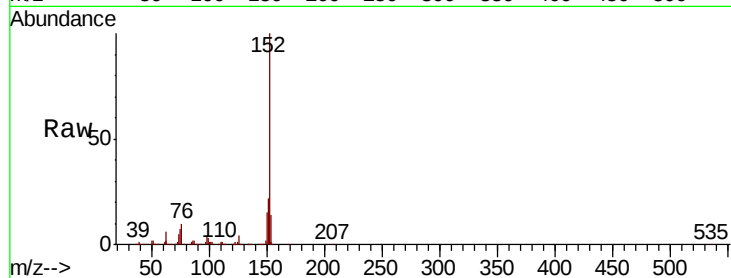
ClientSampleId :

PB128957BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 152   | Resp: | 852293 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 151       | 22.4  | 17.4  | 26.2   |
| 153       | 14.1  | 10.7  | 16.1   |

Manual Integrations  
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#50

Dimethylphthalate

Concen: 44.089 ng

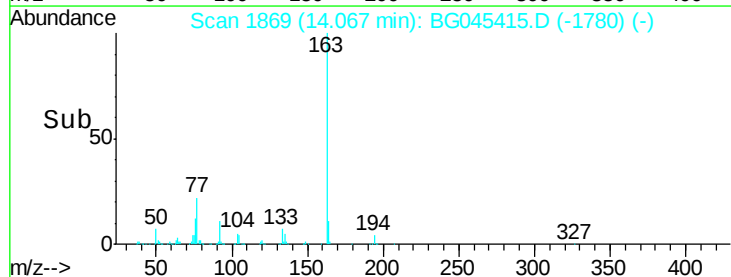
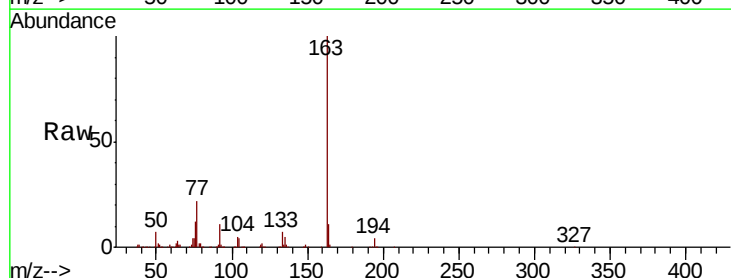
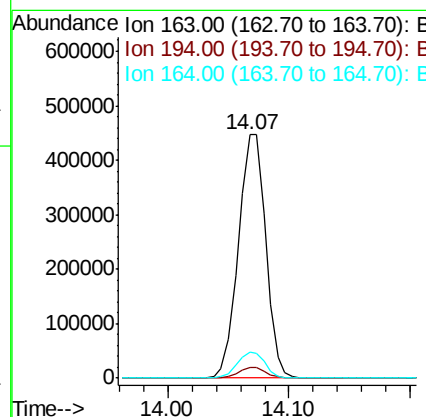
RT: 14.07 min Scan# 1869

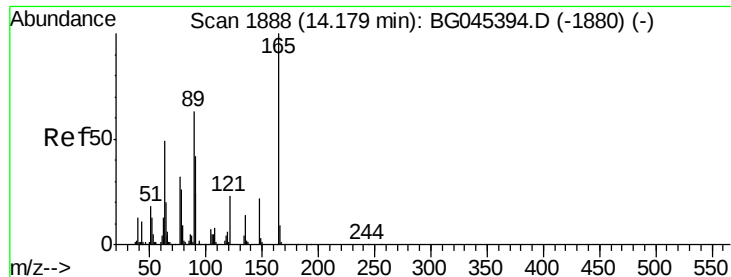
Delta R.T. -0.01 min

Lab File: BG045415.D

Acq: 18 May 2020 16:28

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 163   | Resp: | 706702 |
| Ion Ratio | Lower | Upper |        |
| 163       | 100   |       |        |
| 194       | 4.2   | 3.2   | 4.8    |
| 164       | 10.8  | 8.3   | 12.5   |





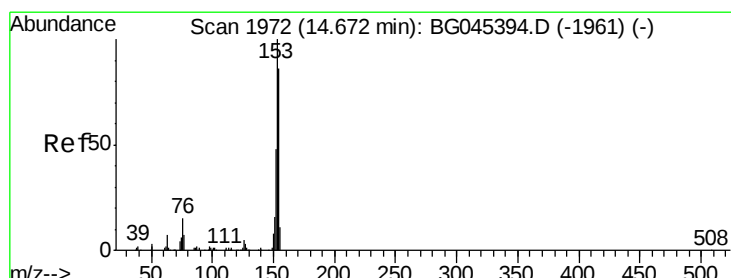
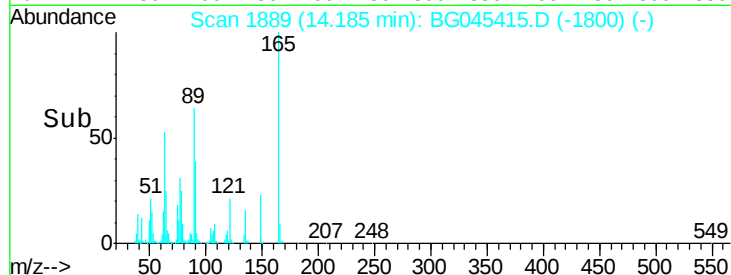
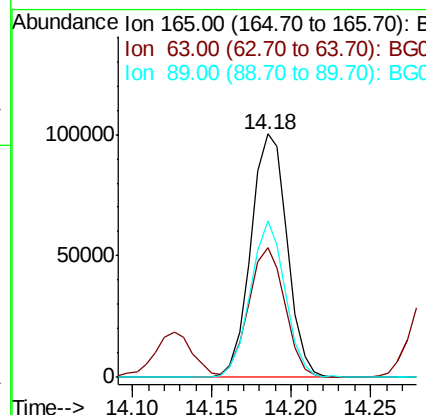
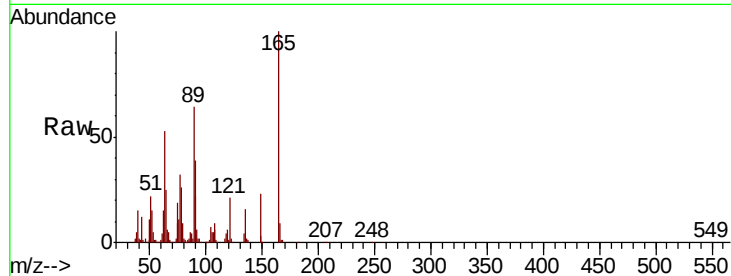
#51  
2,6-Dinitrotoluene  
Concen: 43.943 ng  
RT: 14.18 min Scan# 1889  
Delta R.T. -0.01 min  
Lab File: BG045415.D  
Acq: 18 May 2020 16:28

Instrument :  
BNA\_G  
ClientSampleId :  
PB128957BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 165     | 100   |      |       |       |
| 63      | 53.5  | 45.0 | 67.4  |       |
| 89      | 64.4  | 50.2 | 75.4  |       |

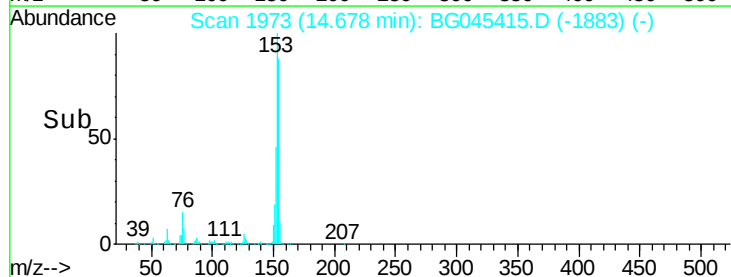
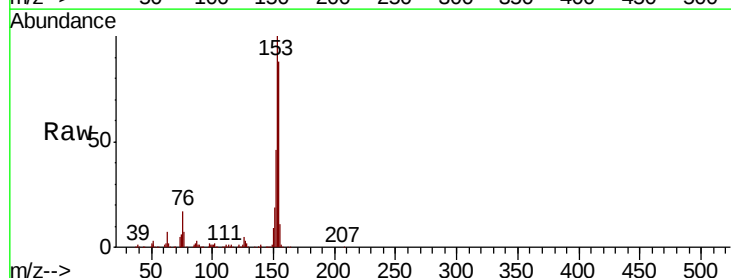
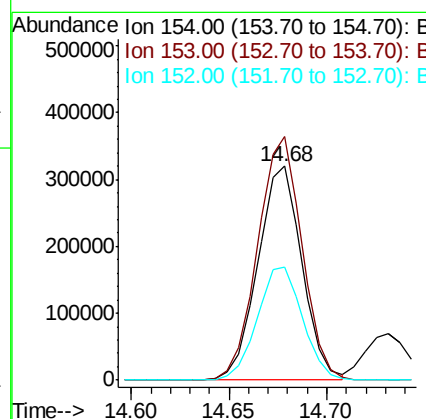
Manual Integrations  
APPROVED

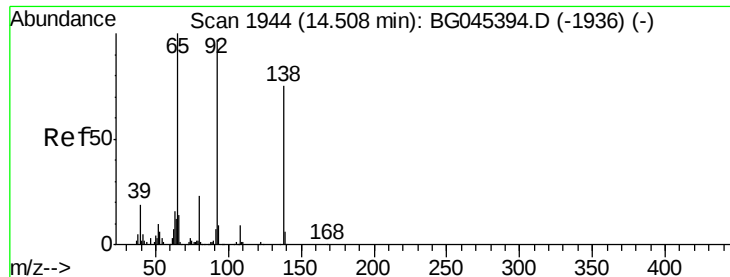
mohammad  
5/19/2020 3:05:57 PM



#52  
Acenaphthene  
Concen: 39.683 ng  
RT: 14.68 min Scan# 1973  
Delta R.T. 0.00 min  
Lab File: BG045415.D  
Acq: 18 May 2020 16:28

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 154     | 100   |      |       |       |
| 153     | 113.8 | 92.8 | 139.2 |       |
| 152     | 52.6  | 44.6 | 66.8  |       |





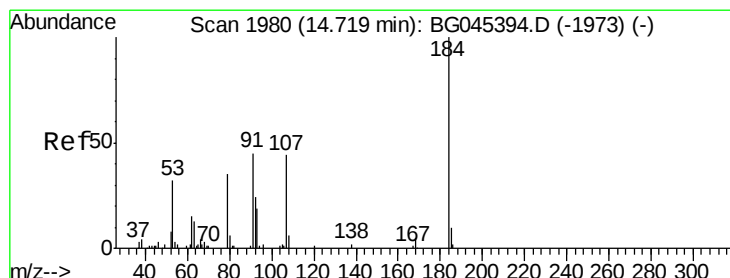
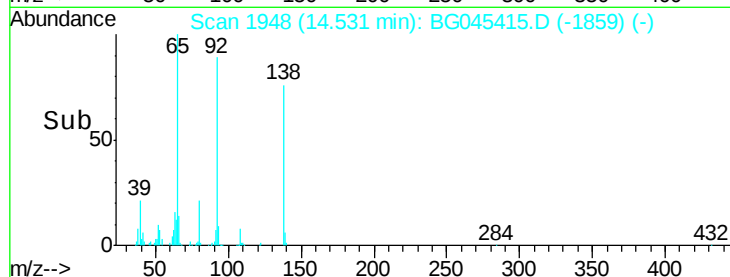
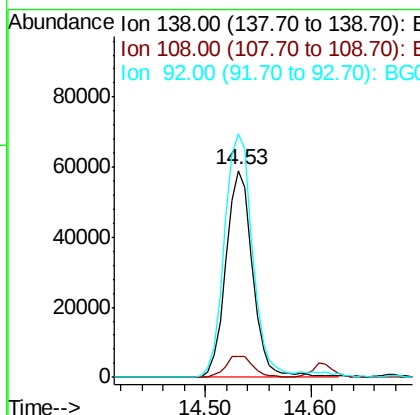
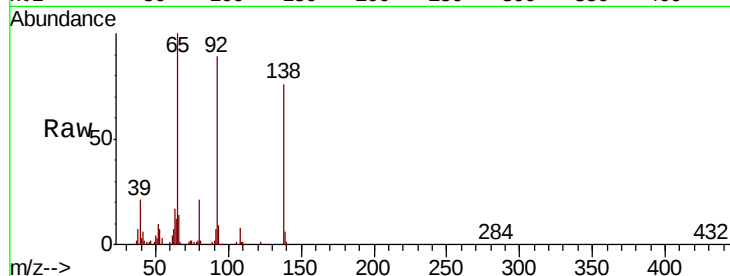
#53  
3-Nitroaniline  
Concen: 28.066 ng  
RT: 14.53 min Scan# 1948  
Delta R.T. -0.01 min  
Lab File: BG045415.D  
Acq: 18 May 2020 16:28

Instrument :  
BNA\_G  
ClientSampleId :  
PB128957BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 108     | 10.4  | 9.8   | 14.6  |
| 92      | 117.8 | 103.0 | 154.4 |

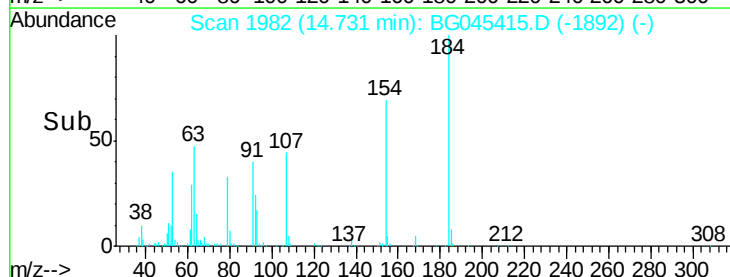
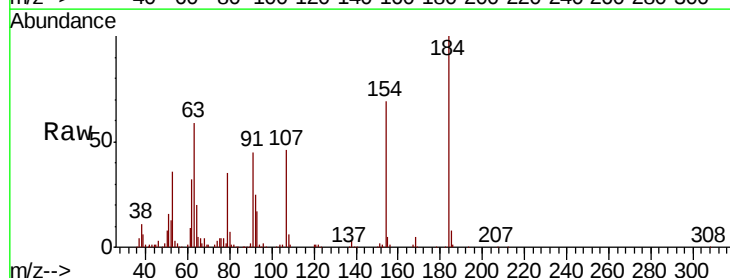
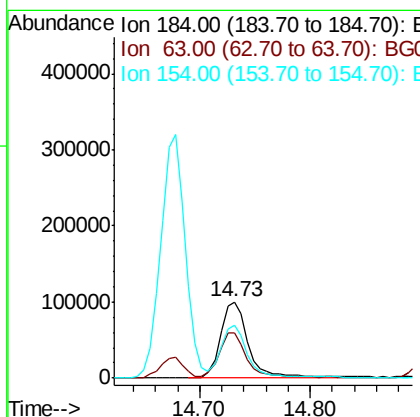
Manual Integrations  
APPROVED

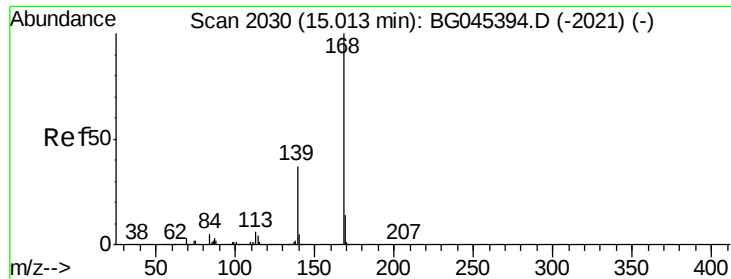
mohammad  
5/19/2020 3:05:57 PM



#54  
2,4-Dinitrophenol  
Concen: 75.444 ng  
RT: 14.73 min Scan# 1982  
Delta R.T. 0.00 min  
Lab File: BG045415.D  
Acq: 18 May 2020 16:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 63      | 59.2  | 47.8  | 71.6  |
| 154     | 68.9  | 58.3  | 87.5  |





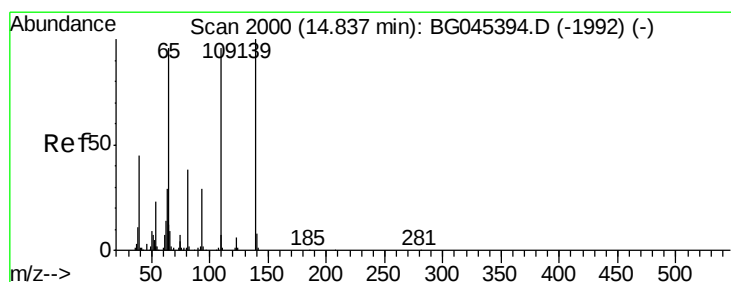
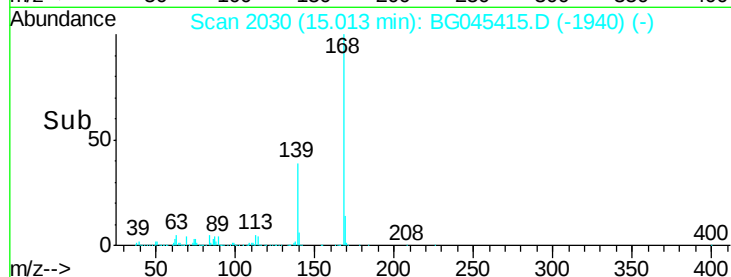
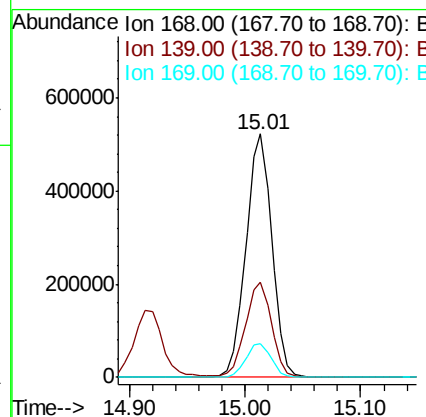
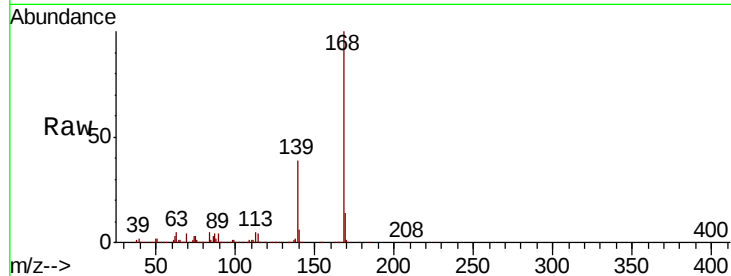
#55  
Dibenzenofuran  
Concen: 43.726 ng  
RT: 15.01 min Scan# 2030  
Delta R.T. 0.00 min  
Lab File: BG045415.D  
Acq: 18 May 2020 16:28

Instrument :  
BNA\_G  
ClientSampleId :  
PB128957BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 168     | 100   |      |       |       |
| 139     | 39.1  | 29.9 | 44.9  |       |
| 169     | 14.0  | 10.9 | 16.3  |       |

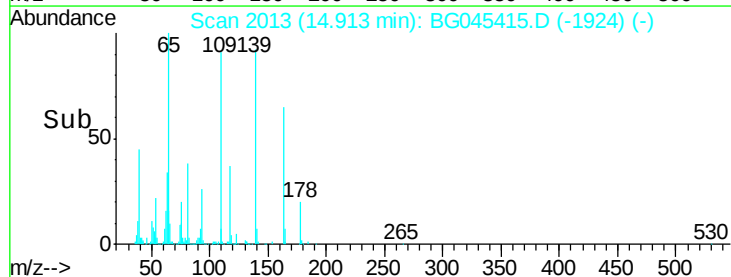
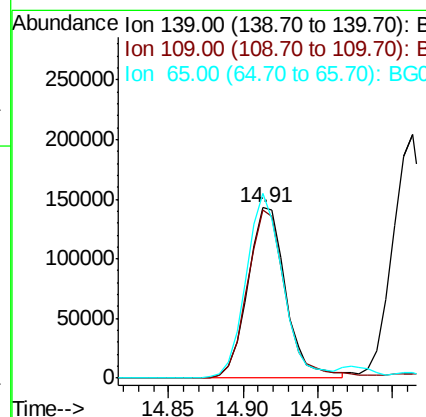
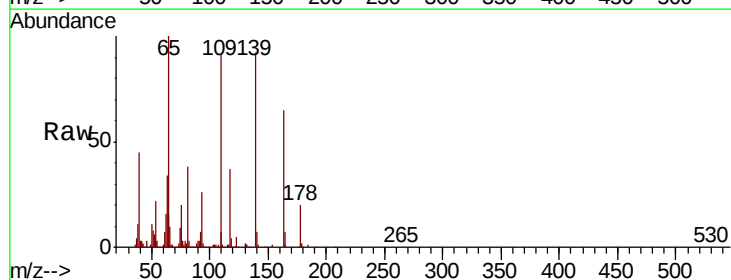
Manual Integrations  
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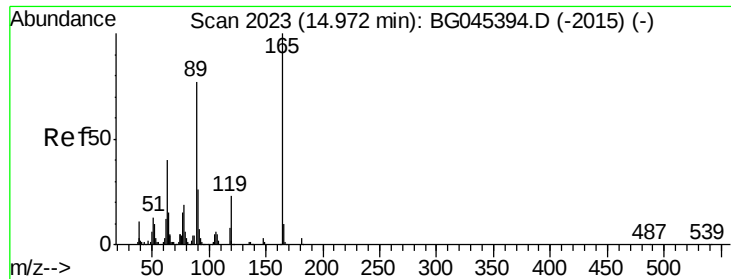
mohammad  
5/19/2020 3:05:57 PM



#56  
4-Nitrophenol  
Concen: 90.215 ng  
RT: 14.91 min Scan# 2013  
Delta R.T. -0.01 min  
Lab File: BG045415.D  
Acq: 18 May 2020 16:28

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 139     | 100   |      |       |       |
| 109     | 98.4  | 75.6 | 115.6 |       |
| 65      | 108.7 | 76.8 | 116.8 |       |





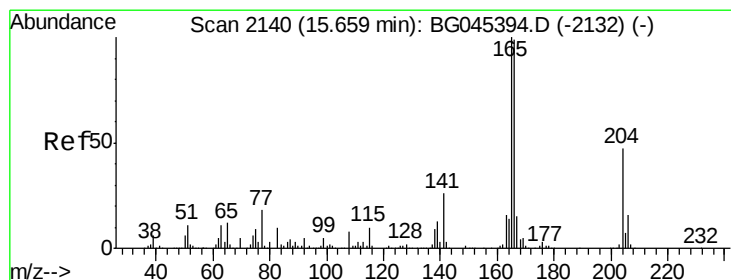
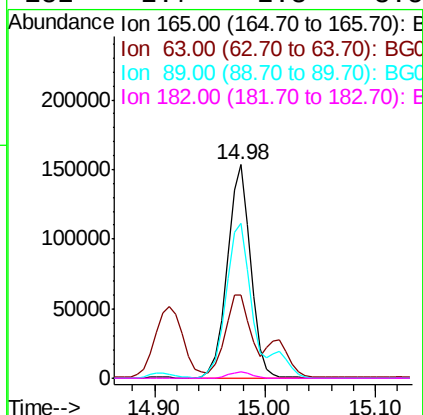
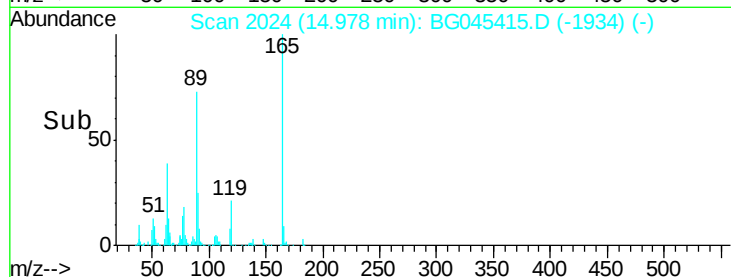
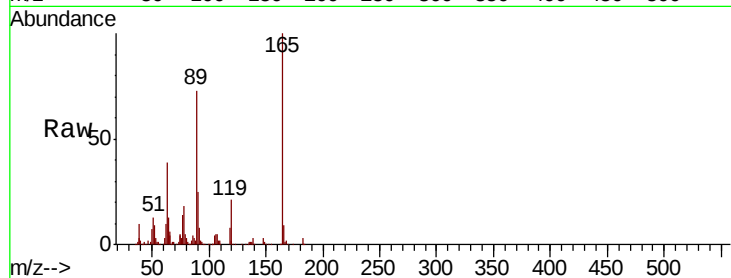
#57  
2,4-Dinitrotoluene  
Concen: 43.457 ng  
RT: 14.98 min Scan# 2024  
Delta R.T. 0.00 min  
Lab File: BG045415.D  
Acq: 18 May 2020 16:28

Instrument :  
BNA\_G  
ClientSampleId :  
PB128957BS

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 165     | 100  |       | 227641 |       |       |
| 63      | 38.9 | 32.5  | 48.7   |       |       |
| 89      | 72.8 | 61.8  | 92.6   |       |       |
| 182     | 2.7  | 2.3   | 3.5    |       |       |

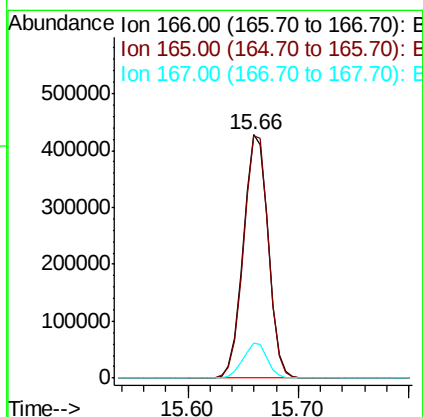
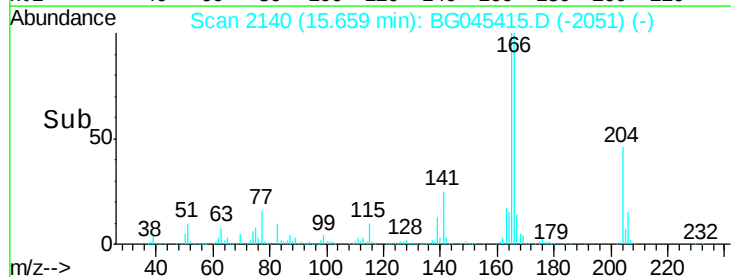
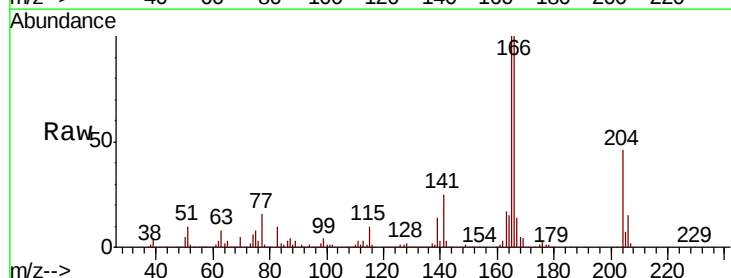
Manual Integrations  
APPROVED

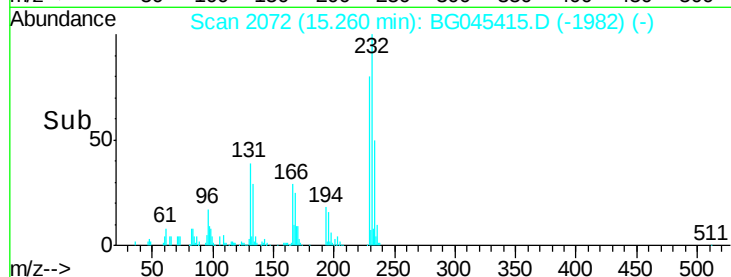
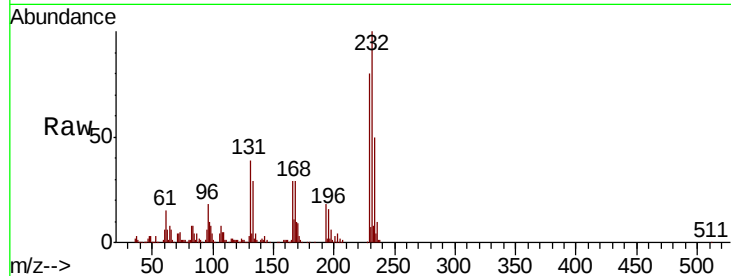
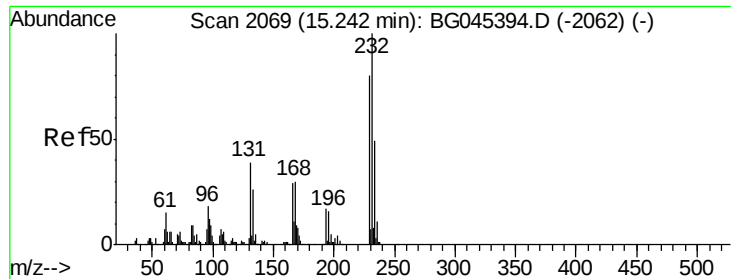
mohammad  
5/19/2020 3:05:57 PM



#58  
Fluorene  
Concen: 44.319 ng  
RT: 15.66 min Scan# 2140  
Delta R.T. -0.01 min  
Lab File: BG045415.D  
Acq: 18 May 2020 16:28

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 166     | 100  |       | 677789 |       |       |
| 165     | 99.8 | 80.8  | 121.2  |       |       |
| 167     | 14.3 | 12.0  | 18.0   |       |       |





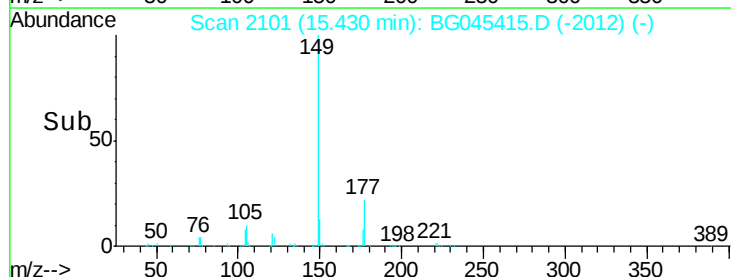
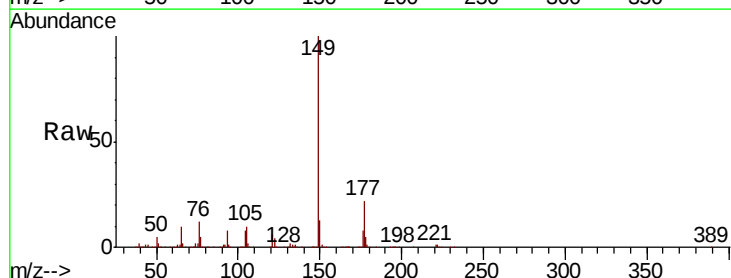
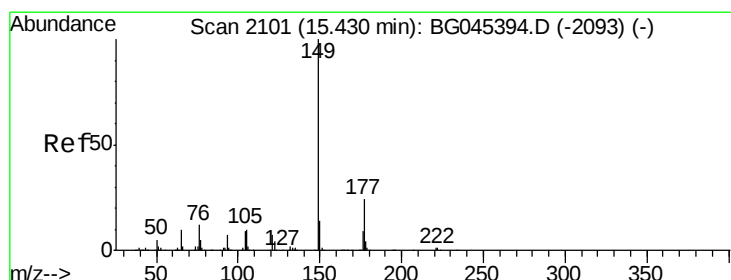
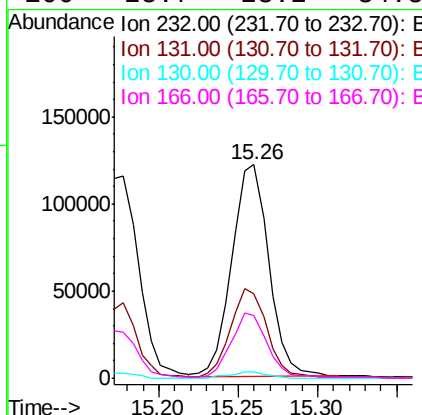
#59  
2,3,4,6-Tetrachlorophenol  
Concen: 43.364 ng  
RT: 15.26 min Scan# 2072  
Delta R.T. 0.00 min  
Lab File: BG045415.D  
Acq: 18 May 2020 16:28

Instrument :  
BNA\_G  
ClientSampleId :  
PB128957BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 232     | 100   |       |       |
| 131     | 41.6  | 33.7  | 50.5  |
| 130     | 2.9   | 2.1   | 3.1   |
| 166     | 28.7  | 23.2  | 34.8  |

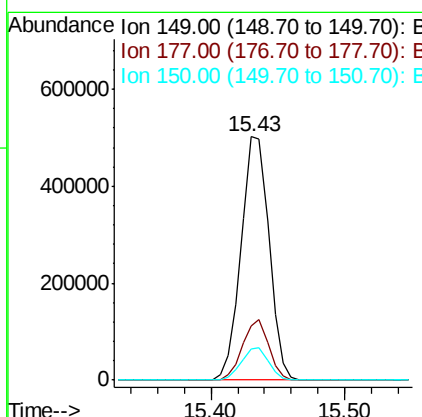
Manual Integrations  
APPROVED

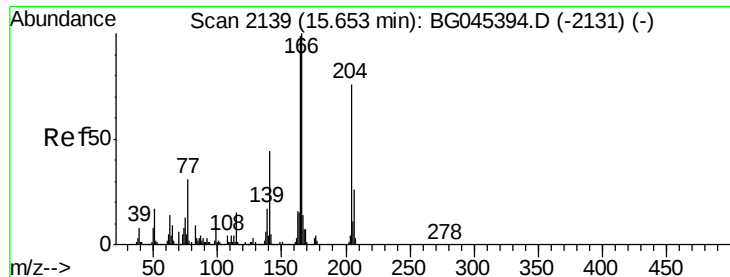
mohammad  
5/19/2020 3:05:57 PM



#60  
Diethylphthalate  
Concen: 43.568 ng  
RT: 15.43 min Scan# 2101  
Delta R.T. -0.01 min  
Lab File: BG045415.D  
Acq: 18 May 2020 16:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 22.4  | 19.0  | 28.4  |
| 150     | 12.7  | 11.4  | 17.0  |





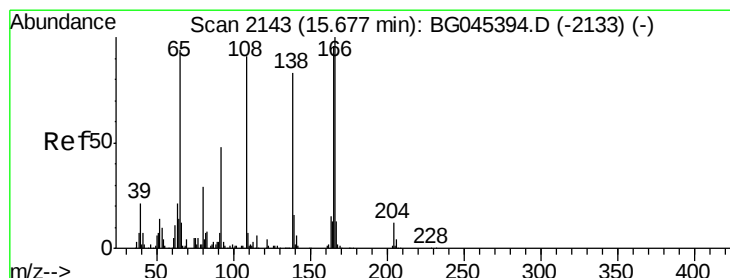
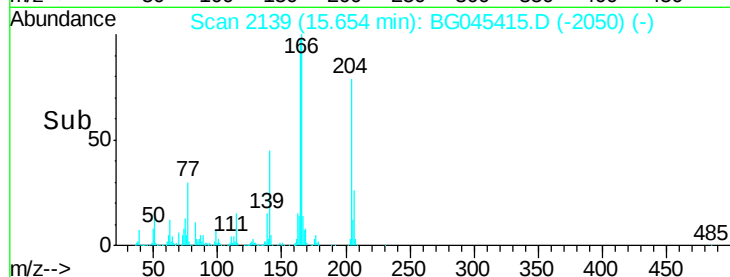
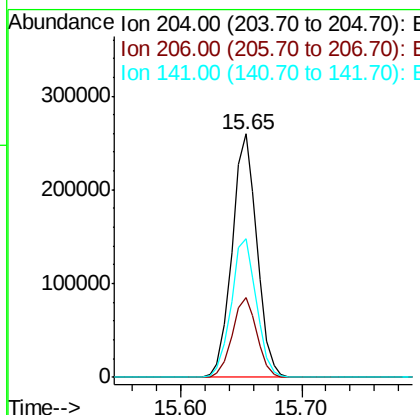
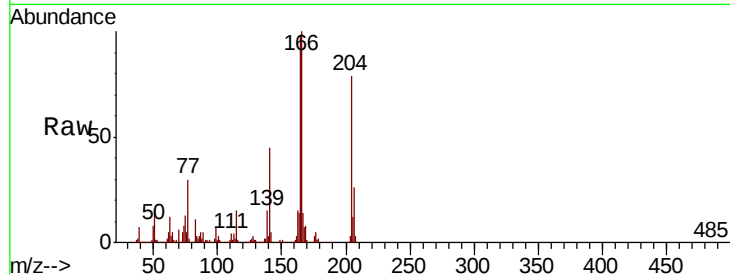
#61  
 4-Chlorophenyl-phenylether  
 Concen: 42.389 ng  
 RT: 15.65 min Scan# 2139  
 Delta R.T. -0.01 min  
 Lab File: BG045415.D  
 Acq: 18 May 2020 16:28

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB128957BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 32.5  | 27.3  | 40.9  |
| 141     | 56.9  | 45.9  | 68.9  |

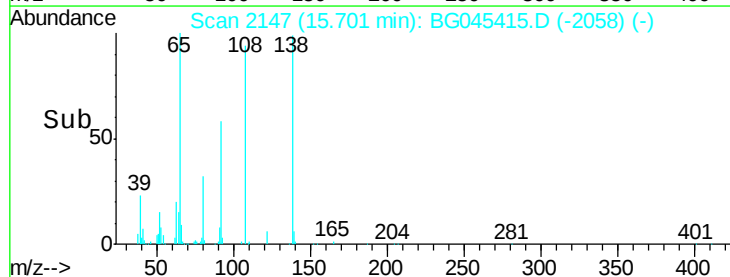
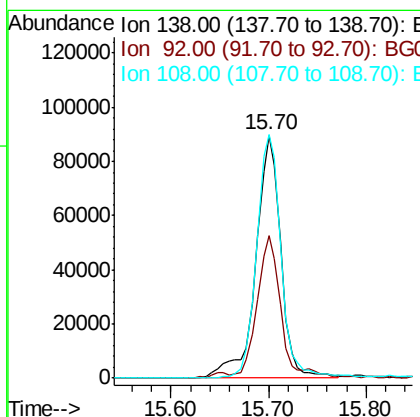
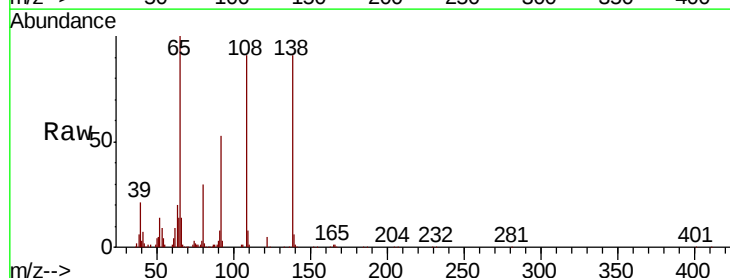
Manual Integrations  
 APPROVED

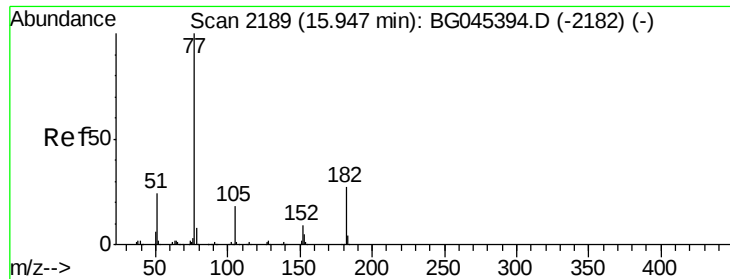
mohammad  
 5/19/2020 3:05:57 PM



#62  
 4-Nitroaniline  
 Concen: 42.472 ng  
 RT: 15.70 min Scan# 2147  
 Delta R.T. -0.01 min  
 Lab File: BG045415.D  
 Acq: 18 May 2020 16:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 58.6  | 38.0  | 78.0  |
| 108     | 100.3 | 89.3  | 129.3 |





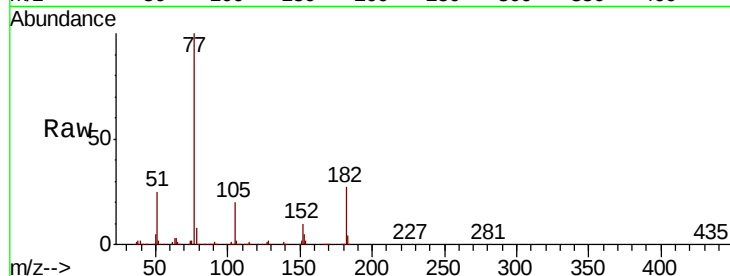
#63  
Azobenzene  
Concen: 44.409 ng  
RT: 15.95 min Scan# 2189  
Delta R.T. 0.00 min  
Lab File: BG045415.D  
Acq: 18 May 2020 16:28

Instrument :  
BNA\_G  
ClientSampleId :  
PB128957BS

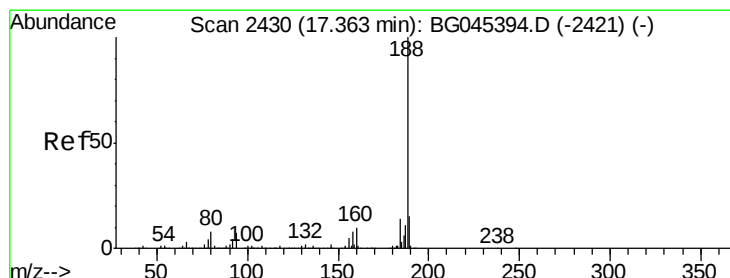
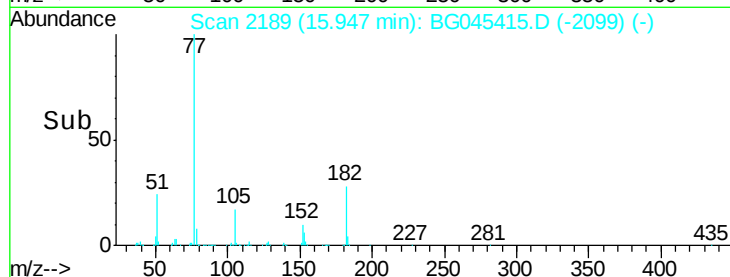
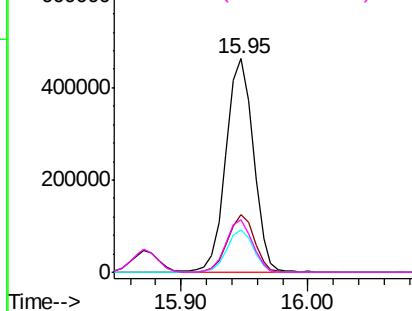
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 182     | 27.0  | 6.5   | 46.5  |
| 105     | 19.8  | 0.0   | 37.9  |
| 51      | 24.6  | 4.1   | 44.1  |

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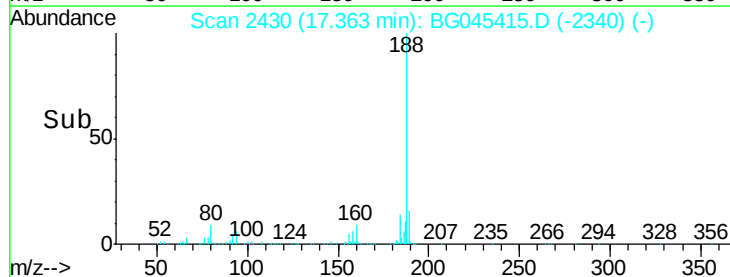
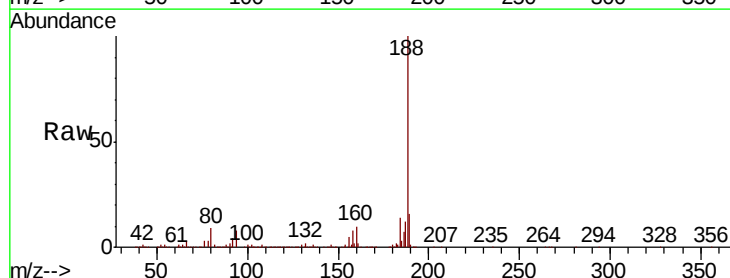
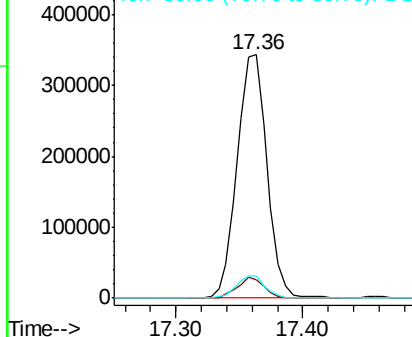
Abundance Ion 77.00 (76.70 to 77.70): BGC  
Ion 182.00 (181.70 to 182.70): BGC  
Ion 105.00 (104.70 to 105.70): BGC  
Ion 51.00 (50.70 to 51.70): BGC

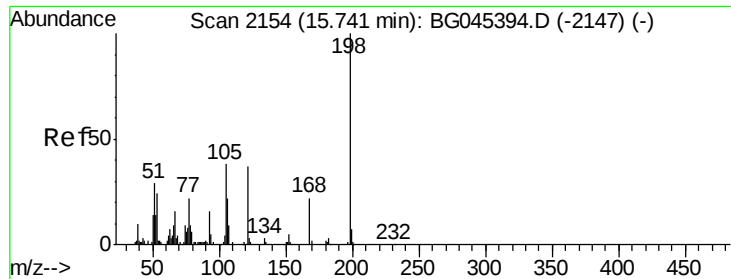


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.36 min Scan# 2430  
Delta R.T. 0.00 min  
Lab File: BG045415.D  
Acq: 18 May 2020 16:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 7.8   | 5.5   | 8.3   |
| 80      | 8.9   | 6.6   | 10.0  |

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





#65

4,6-Dinitro-2-methylphenol

Concen: 42.734 ng

RT: 15.75 min Scan# 2155

Delta R.T. 0.00 min

Lab File: BG045415.D

Acq: 18 May 2020 16:28

Instrument :

BNA\_G

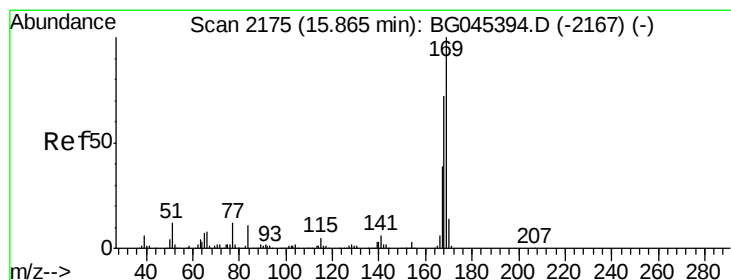
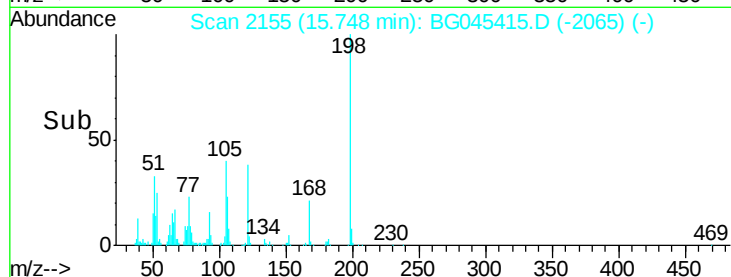
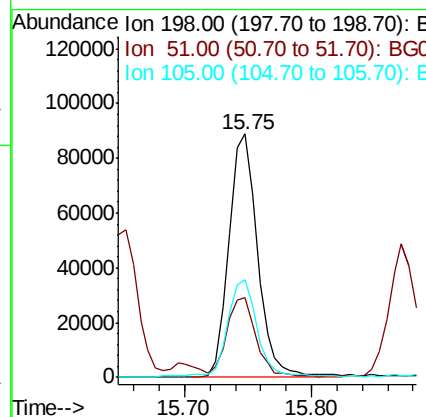
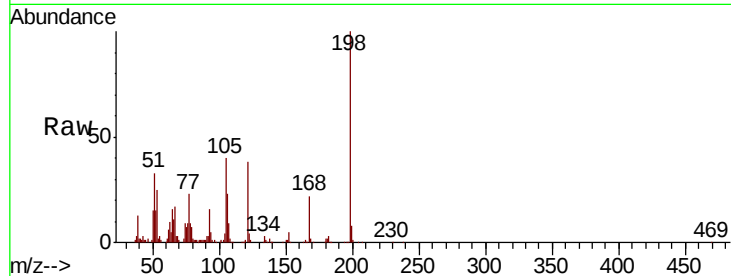
ClientSampleId :

PB128957BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 198   | Resp: | 139297 |
| Ion Ratio | Lower | Upper |        |
| 198       | 100   |       |        |
| 51        | 32.9  | 10.0  | 50.0   |
| 105       | 40.2  | 18.9  | 58.9   |

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#66

n-Nitrosodiphenylamine

Concen: 45.704 ng

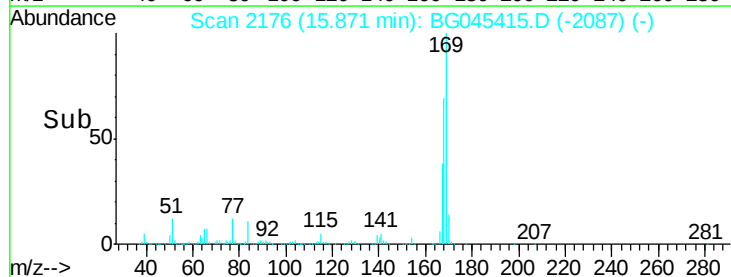
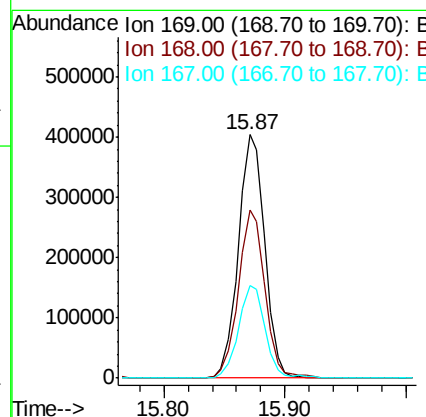
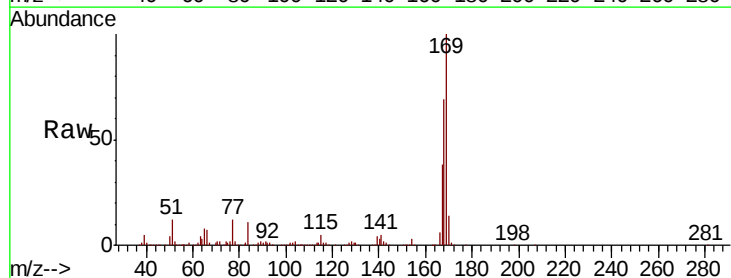
RT: 15.87 min Scan# 2176

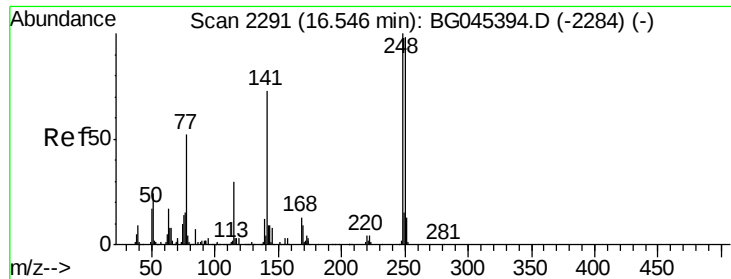
Delta R.T. -0.01 min

Lab File: BG045415.D

Acq: 18 May 2020 16:28

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 169   | Resp: | 614181 |
| Ion Ratio | Lower | Upper |        |
| 169       | 100   |       |        |
| 168       | 69.2  | 57.8  | 86.6   |
| 167       | 37.9  | 31.5  | 47.3   |





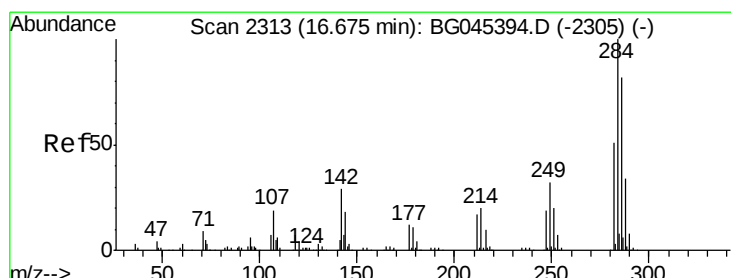
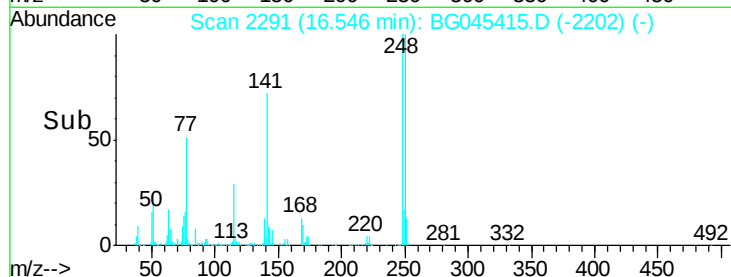
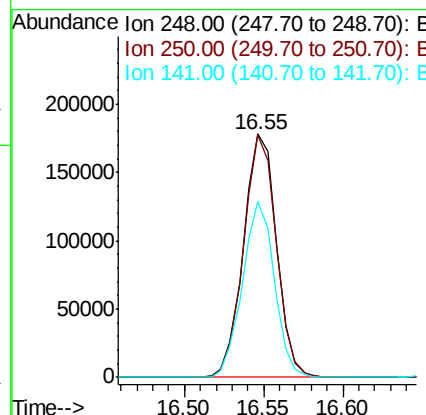
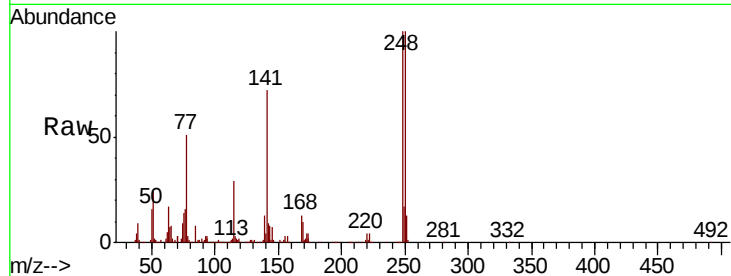
#67  
4-Bromophenyl-phenylether  
Concen: 42.544 ng  
RT: 16.55 min Scan# 2291  
Delta R.T. -0.01 min  
Lab File: BG045415.D  
Acq: 18 May 2020 16:28

Instrument :  
BNA\_G  
ClientSampleId :  
PB128957BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 99.6  | 78.6  | 117.8 |
| 141     | 72.2  | 58.2  | 87.2  |

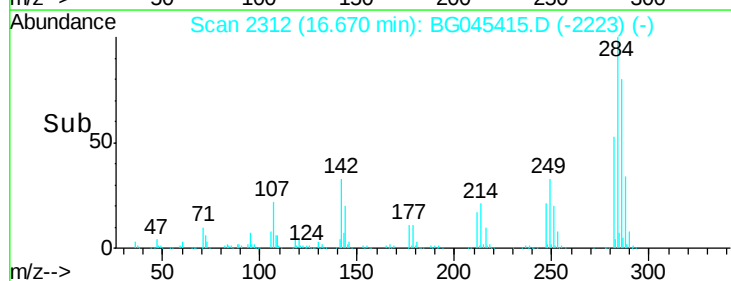
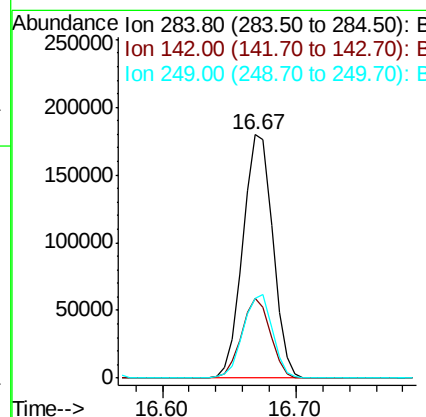
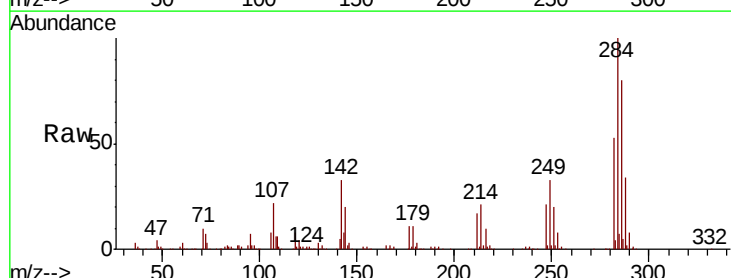
Manual Integrations  
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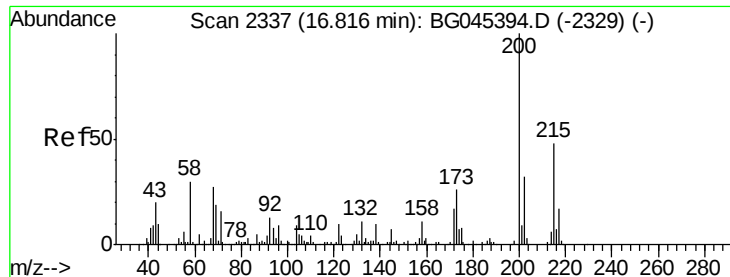
mohammad  
5/19/2020 3:05:57 PM



#68  
Hexachlorobenzene  
Concen: 44.027 ng  
RT: 16.67 min Scan# 2312  
Delta R.T. -0.01 min  
Lab File: BG045415.D  
Acq: 18 May 2020 16:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 32.7  | 23.0  | 34.6  |
| 249     | 32.6  | 25.8  | 38.6  |





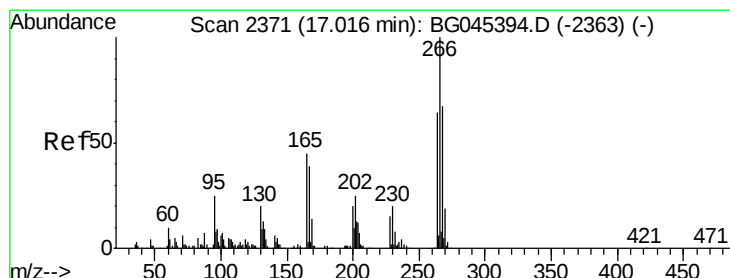
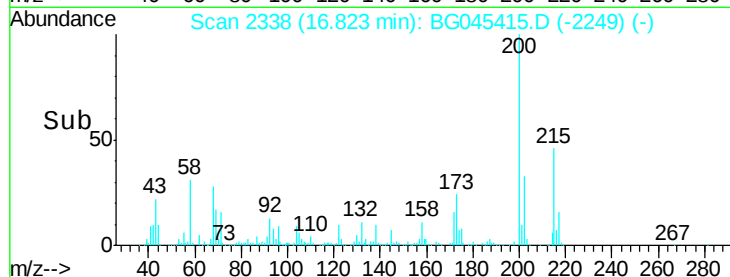
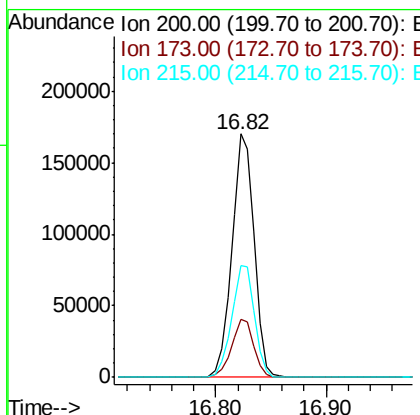
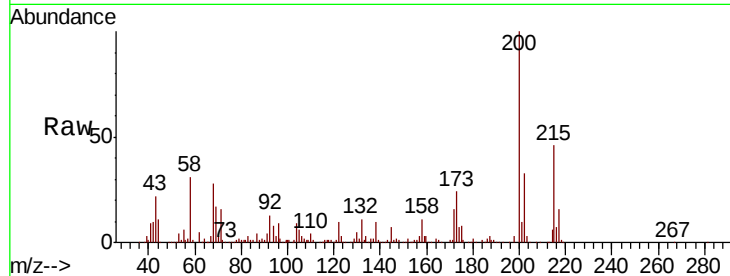
#69  
Atrazine  
Concen: 43.152 ng  
RT: 16.82 min Scan# 2338  
Delta R.T. -0.01 min  
Lab File: BG045415.D  
Acq: 18 May 2020 16:28

Instrument :  
BNA\_G  
ClientSampleId :  
PB128957BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 200     | 100   | 238850 |       |       |
| 173     | 23.7  | 5.5    | 45.5  |       |
| 215     | 46.0  | 28.2   | 68.2  |       |

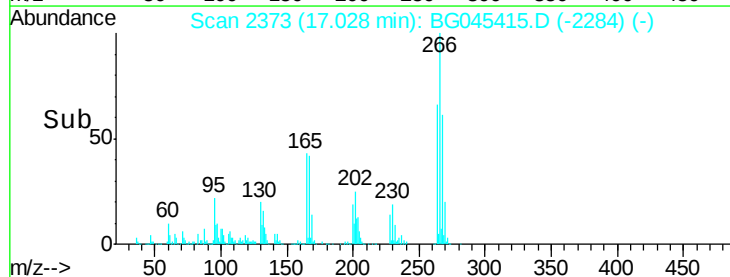
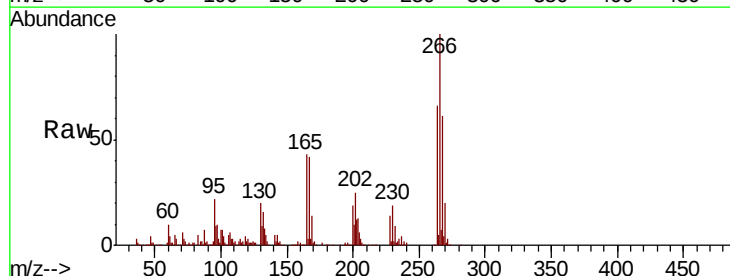
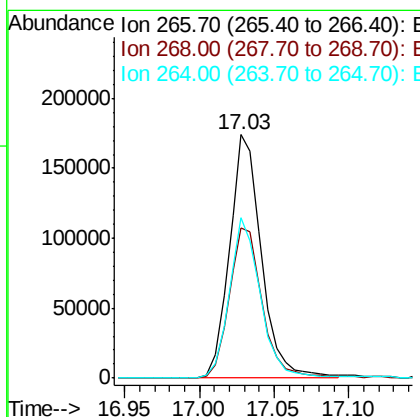
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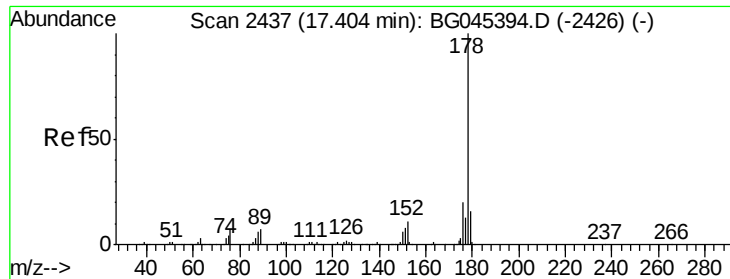
mohammad  
5/19/2020 3:05:57 PM



#70  
Pentachlorophenol  
Concen: 79.058 ng  
RT: 17.03 min Scan# 2373  
Delta R.T. -0.01 min  
Lab File: BG045415.D  
Acq: 18 May 2020 16:28

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 266     | 100   | 260210 |       |       |
| 268     | 61.4  | 53.2   | 79.8  |       |
| 264     | 65.8  | 51.0   | 76.4  |       |





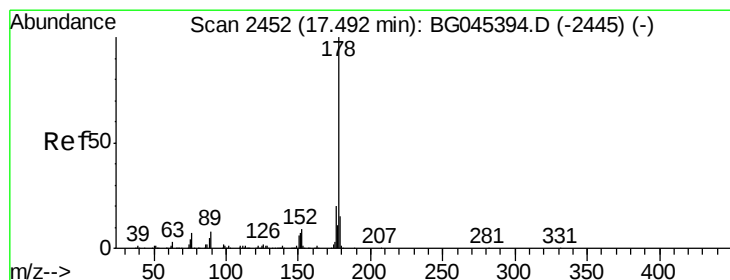
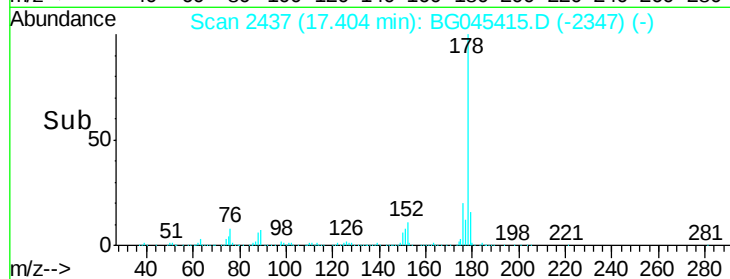
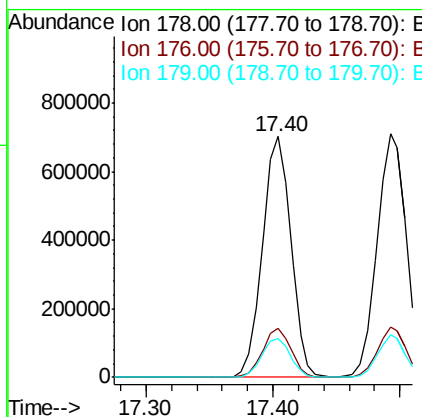
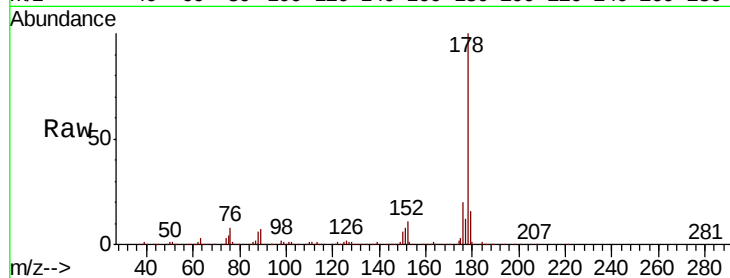
#71  
Phenanthrene  
Concen: 45.142 ng  
RT: 17.40 min Scan# 2437  
Delta R.T. 0.00 min  
Lab File: BG045415.D  
Acq: 18 May 2020 16:28

Instrument :  
BNA\_G  
ClientSampleId :  
PB128957BS

Tot Ion:178 Resp: 1102997  
Ion Ratio Lower Upper  
178 100  
176 20.3 16.2 24.4  
179 16.1 13.1 19.7

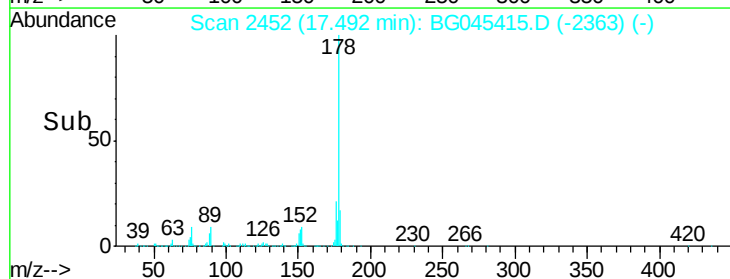
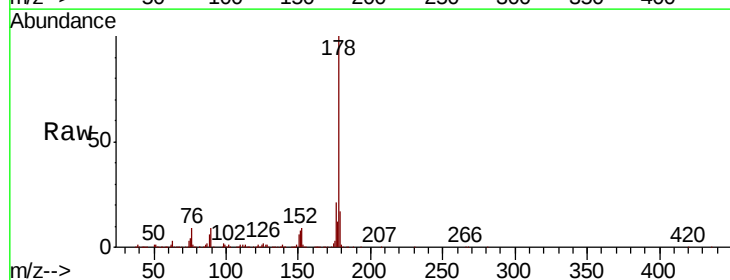
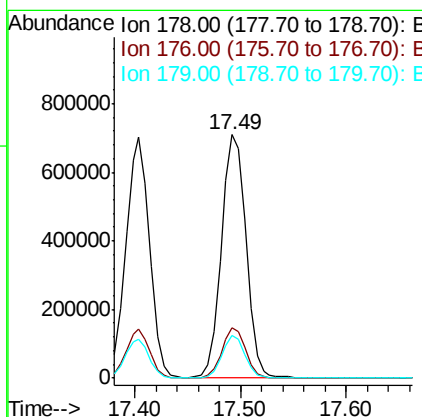
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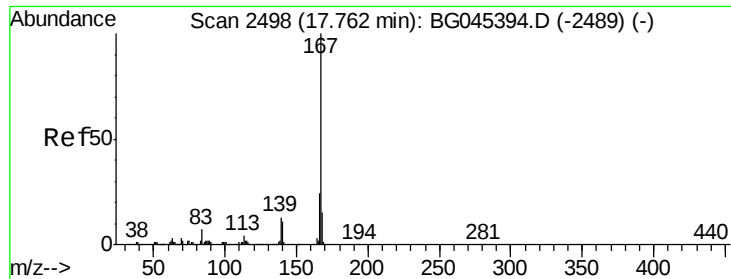
mohammad  
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#72  
Anthracene  
Concen: 46.615 ng  
RT: 17.49 min Scan# 2452  
Delta R.T. -0.01 min  
Lab File: BG045415.D  
Acq: 18 May 2020 16:28

Tgt Ion:178 Resp: 1143797  
Ion Ratio Lower Upper  
178 100  
176 20.8 15.8 23.6  
179 17.3 12.2 18.4





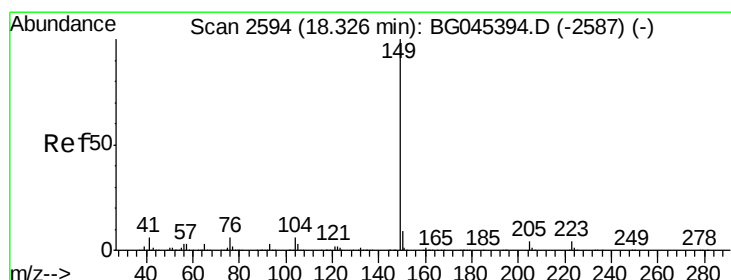
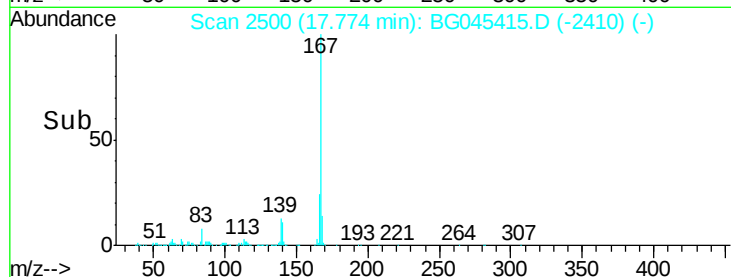
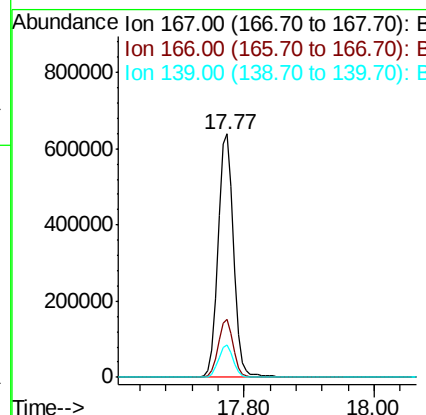
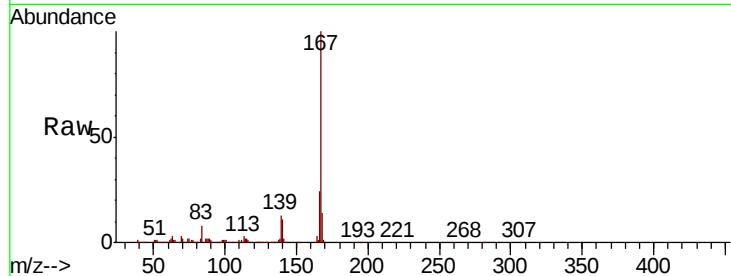
#73  
 Carbazole  
 Concen: 43.968 ng  
 RT: 17.77 min Scan# 2500  
 Delta R.T. 0.00 min  
 Lab File: BG045415.D  
 Acq: 18 May 2020 16:28

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB128957BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 23.8  | 19.2  | 28.8  |
| 139     | 13.4  | 10.6  | 16.0  |

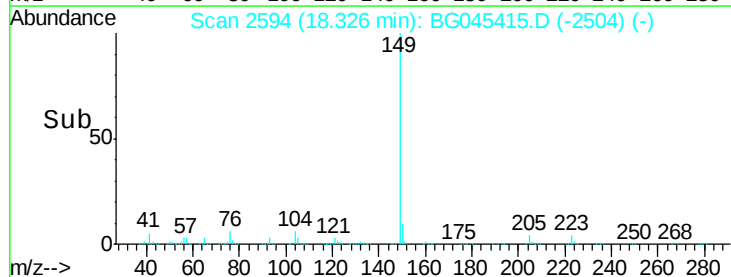
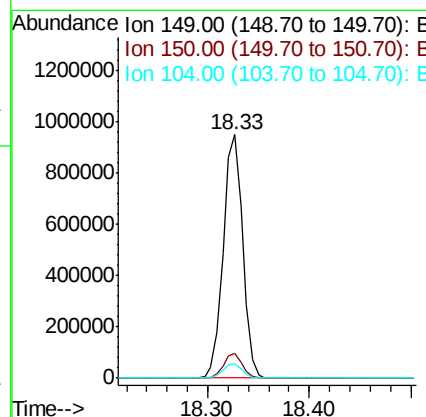
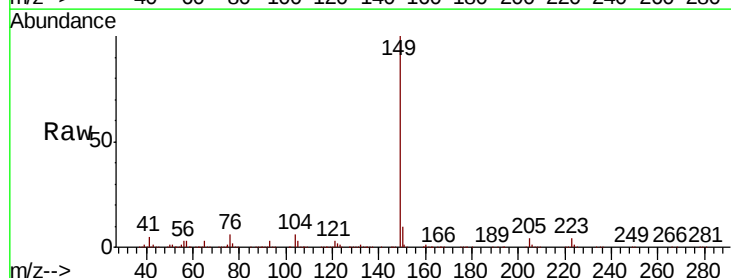
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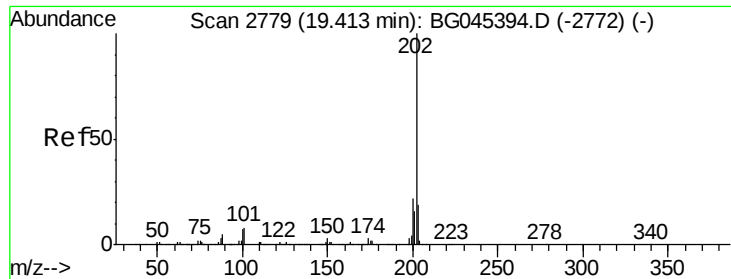
mohammad  
 5/19/2020 3:05:57 PM



#74  
 Di-n-butylphthalate  
 Concen: 43.873 ng  
 RT: 18.33 min Scan# 2594  
 Delta R.T. 0.00 min  
 Lab File: BG045415.D  
 Acq: 18 May 2020 16:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 150     | 10.0  | 7.6   | 11.4  |
| 104     | 6.0   | 5.0   | 7.4   |





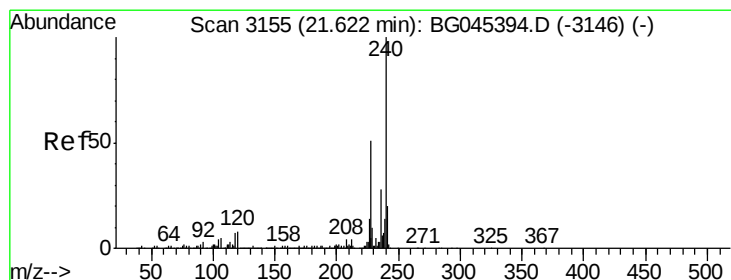
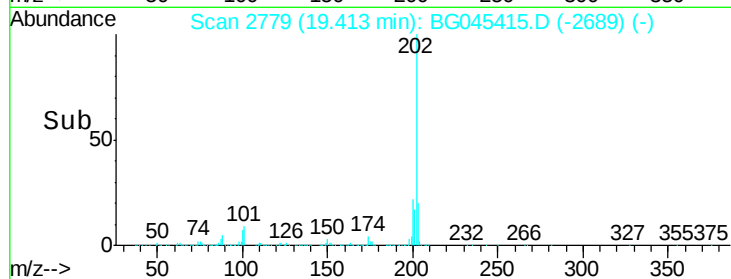
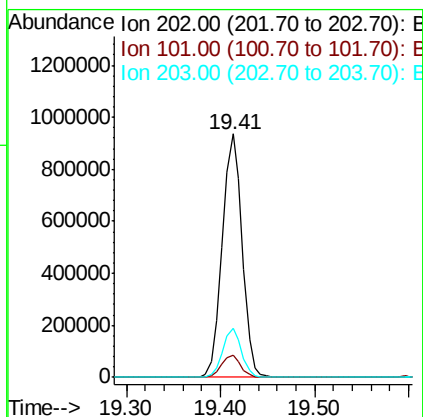
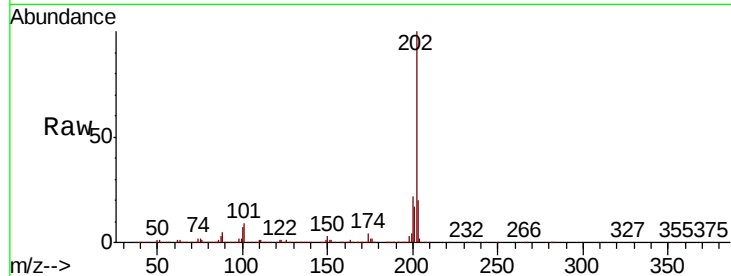
#75  
 Fluoranthene  
 Concen: 44.374 ng  
 RT: 19.41 min Scan# 2779  
 Delta R.T. 0.00 min  
 Lab File: BG045415.D  
 Acq: 18 May 2020 16:28

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB128957BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 9.0   | 0.0   | 28.3  |
| 203     | 20.0  | 0.0   | 39.0  |

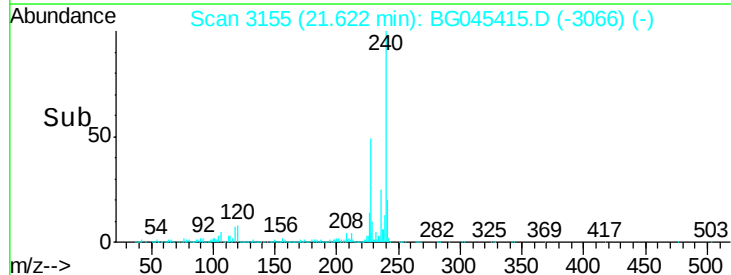
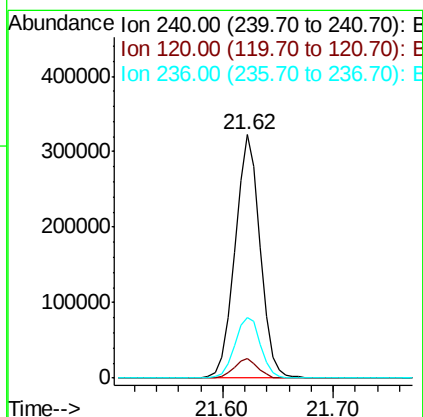
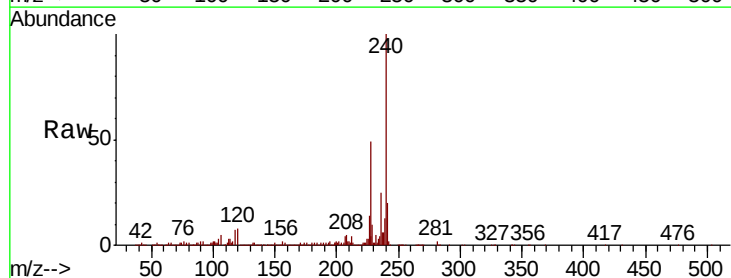
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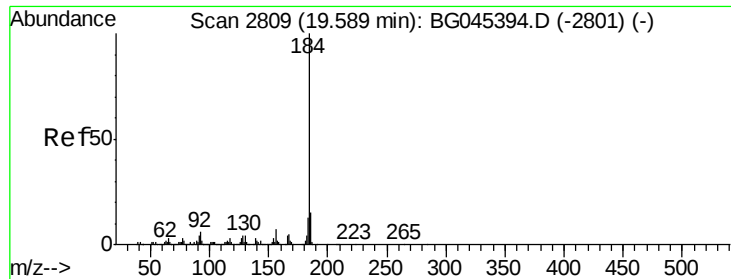
mohammad  
 5/19/2020 3:05:57 PM



#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 21.62 min Scan# 3155  
 Delta R.T. -0.01 min  
 Lab File: BG045415.D  
 Acq: 18 May 2020 16:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 7.8   | 6.1   | 9.1   |
| 236     | 24.9  | 22.3  | 33.5  |





#77

Benzidine

Concen: 49.331 ng

RT: 19.60 min Scan# 2810

Delta R.T. 0.00 min

Lab File: BG045415.D

Acq: 18 May 2020 16:28

Instrument :

BNA\_G

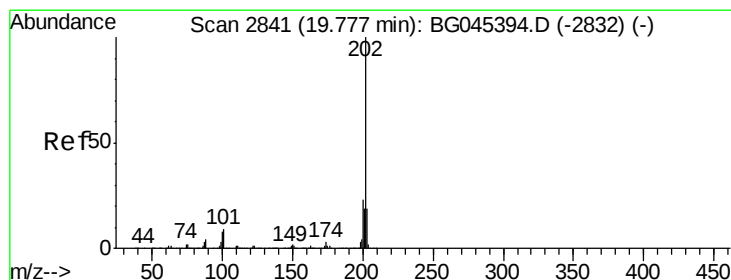
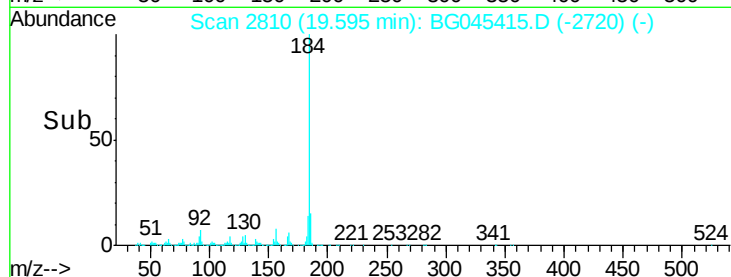
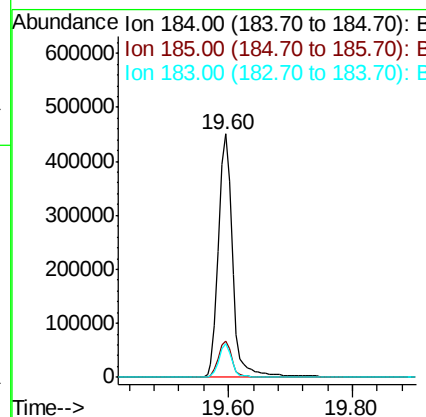
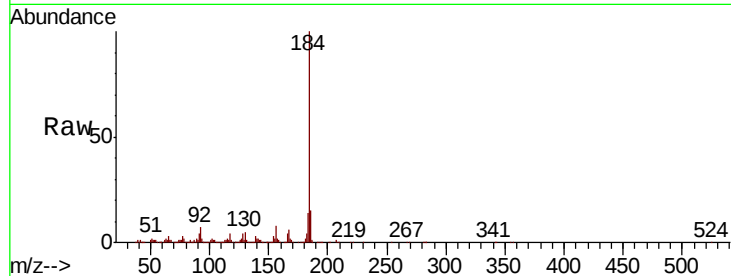
ClientSampleId :

PB128957BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 184   | Resp: | 712335 |
| Ion Ratio | Lower | Upper |        |
| 184       | 100   |       |        |
| 185       | 15.1  | 11.7  | 17.5   |
| 183       | 13.7  | 10.2  | 15.4   |

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#78

Pyrene

Concen: 46.523 ng

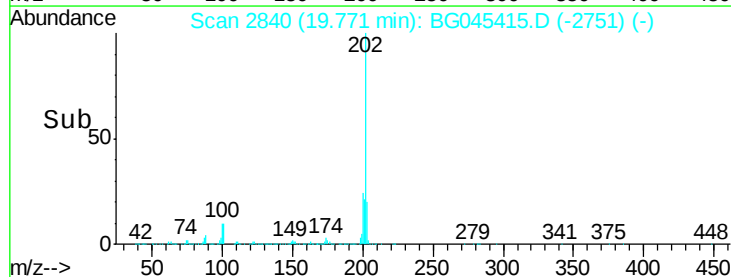
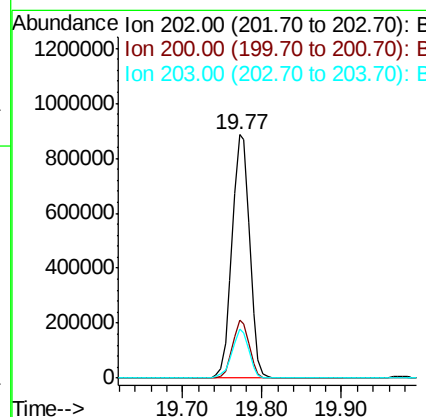
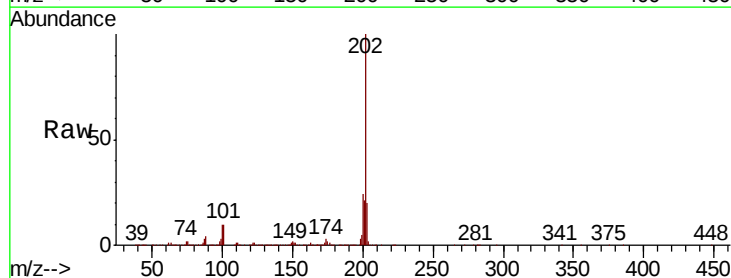
RT: 19.77 min Scan# 2840

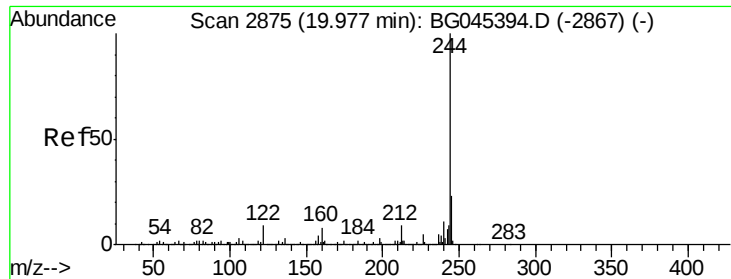
Delta R.T. -0.01 min

Lab File: BG045415.D

Acq: 18 May 2020 16:28

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 202   | Resp: | 1363525 |
| Ion Ratio | Lower | Upper |         |
| 202       | 100   |       |         |
| 200       | 24.0  | 18.2  | 27.2    |
| 203       | 20.3  | 15.1  | 22.7    |





#79

Terphenyl-d14

Concen: 92.407 ng

RT: 19.98 min Scan# 2875

Delta R.T. 0.00 min

Lab File: BG045415.D

Acq: 18 May 2020 16:28

Instrument :

BNA\_G

ClientSampleId :

PB128957BS

Tot Ion:244 Resp: 2037064

Ion Ratio Lower Upper

244 100

212 10.0 7.4 11.0

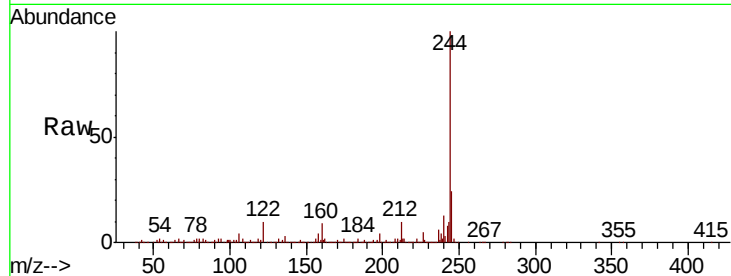
122 9.6 6.8 10.2

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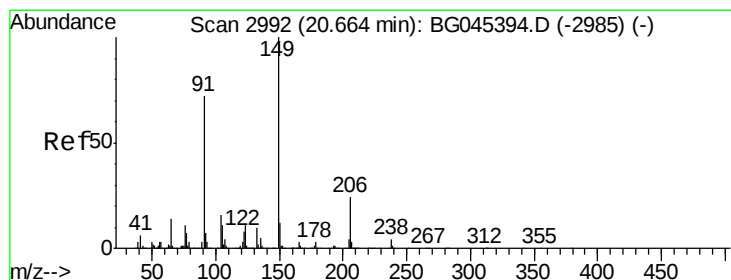
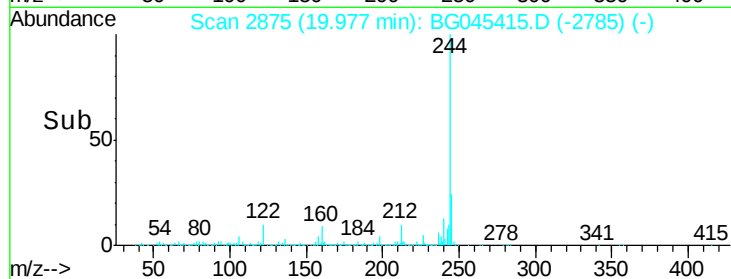
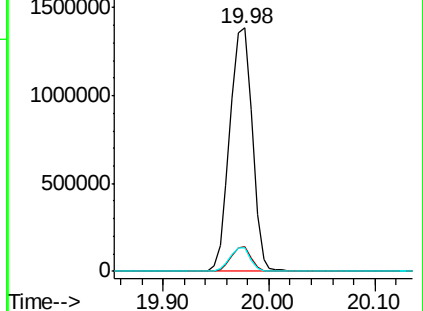
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 44.407 ng

RT: 20.66 min Scan# 2992

Delta R.T. 0.00 min

Lab File: BG045415.D

Acq: 18 May 2020 16:28

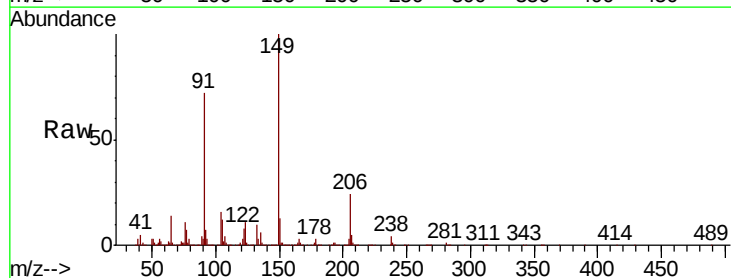
Tgt Ion:149 Resp: 561774

Ion Ratio Lower Upper

149 100

91 71.6 57.8 86.6

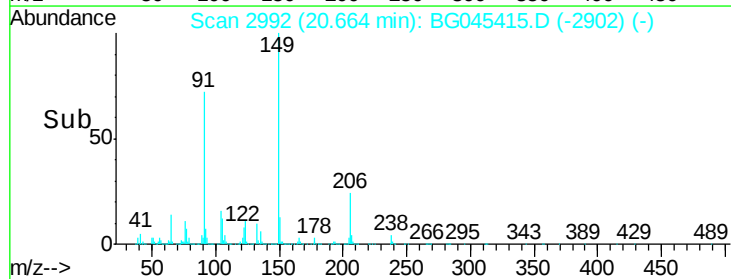
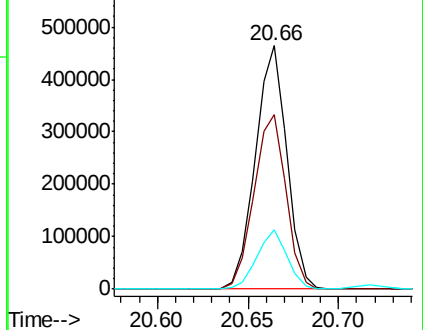
206 24.2 19.1 28.7

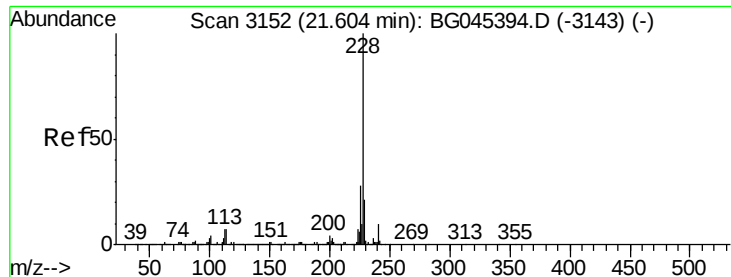


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 44.863 ng

RT: 21.60 min Scan# 3152

Delta R.T. 0.00 min

Lab File: BG045415.D

Acq: 18 May 2020 16:28

Instrument :

BNA\_G

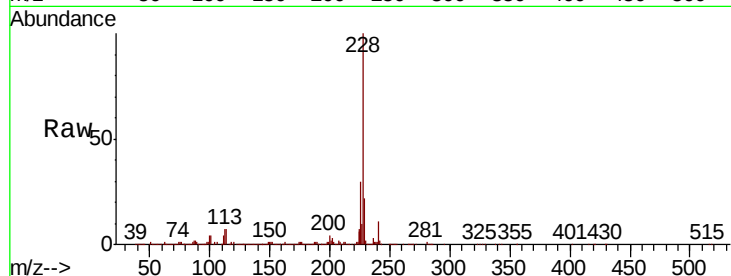
ClientSampleId :

PB128957BS

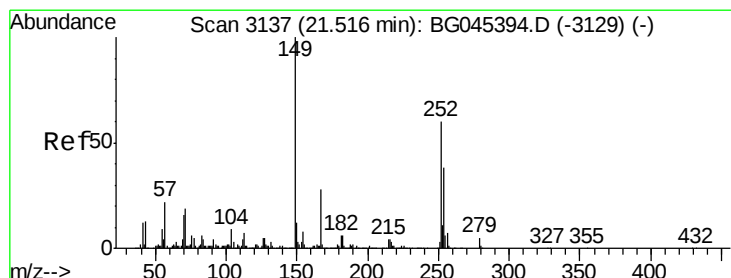
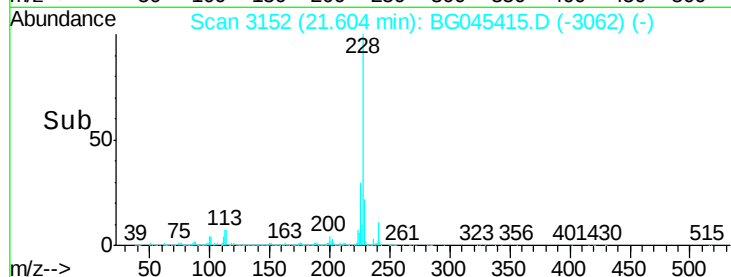
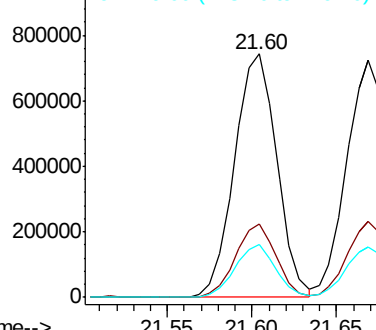
|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 228   | Resp: | 1284949 |
| Ion      | Ratio | Lower | Upper   |
| 228      | 100   |       |         |
| 226      | 30.3  | 22.7  | 34.1    |
| 229      | 21.6  | 16.7  | 25.1    |

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Abundance Ion 228.00 (227.70 to 228.70): E  
1000000 Ion 226.00 (225.70 to 226.70): E  
Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 29.244 ng

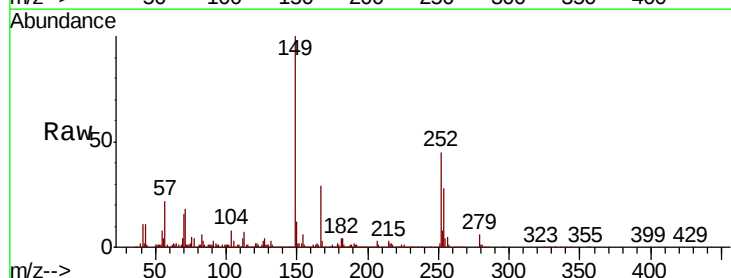
RT: 21.52 min Scan# 3138

Delta R.T. 0.00 min

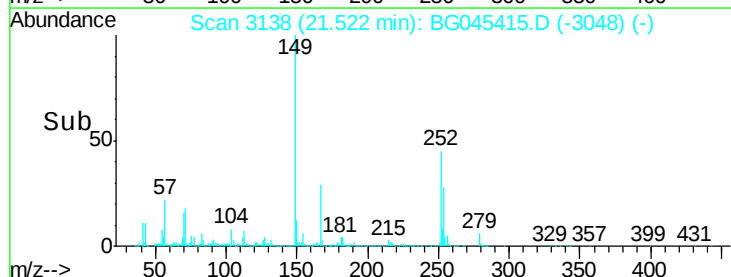
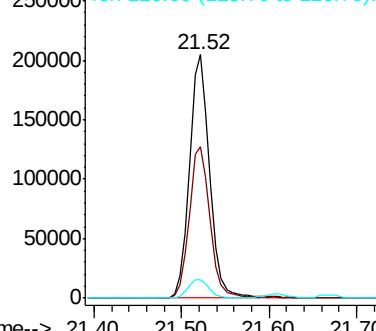
Lab File: BG045415.D

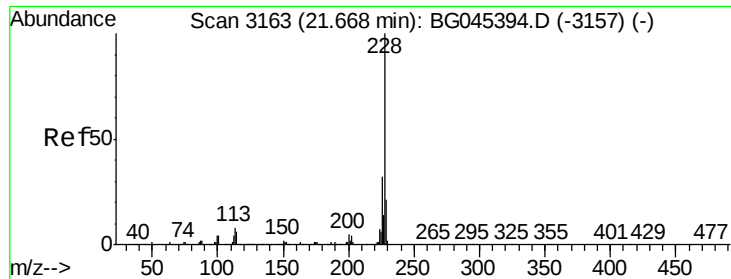
Acq: 18 May 2020 16:28

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 252   | Resp: | 328553 |
| Ion      | Ratio | Lower | Upper  |
| 252      | 100   |       |        |
| 254      | 62.3  | 51.3  | 76.9   |
| 126      | 7.7   | 6.6   | 10.0   |



Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 254.00 (253.70 to 254.70): E  
Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 45.082 ng

RT: 21.67 min Scan# 3163

Delta R.T. 0.00 min

Lab File: BG045415.D

Acq: 18 May 2020 16:28

Instrument :

BNA\_G

ClientSampleId :

PB128957BS

Tot Ion:228 Resp: 1241549

Ion Ratio Lower Upper

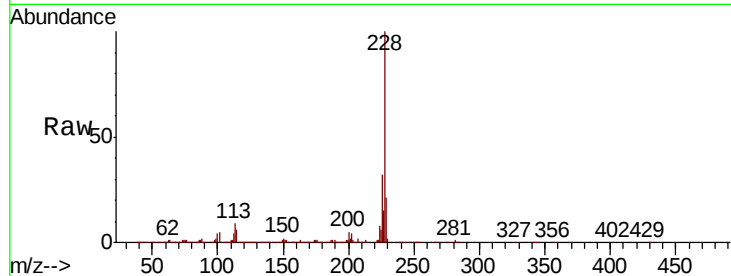
228 100

226 31.8 25.2 37.8

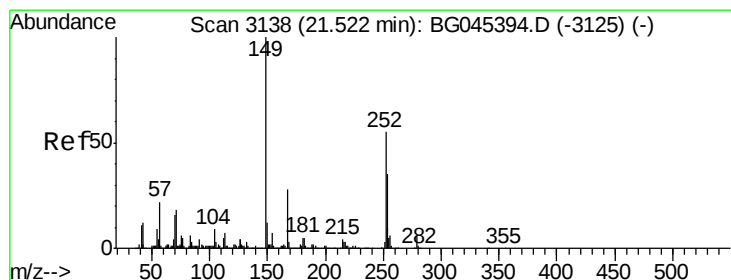
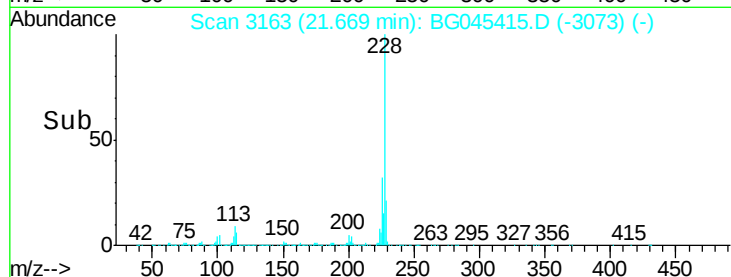
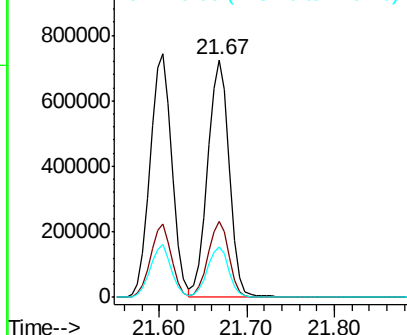
229 21.3 16.7 25.1

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Abundance Ion 228.00 (227.70 to 228.70): E  
1000000 Ion 226.00 (225.70 to 226.70): E  
800000 Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 44.365 ng

RT: 21.52 min Scan# 3137

Delta R.T. -0.01 min

Lab File: BG045415.D

Acq: 18 May 2020 16:28

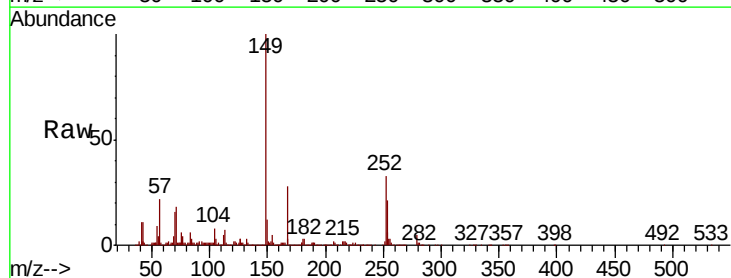
Tgt Ion:149 Resp: 771490

Ion Ratio Lower Upper

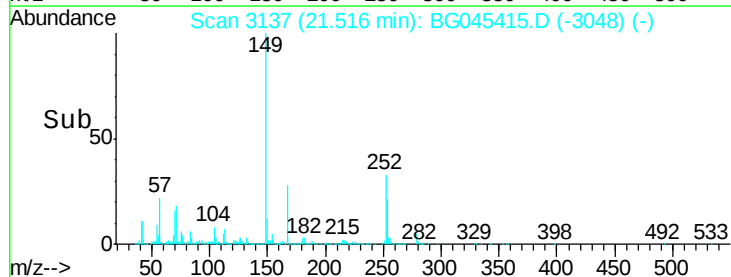
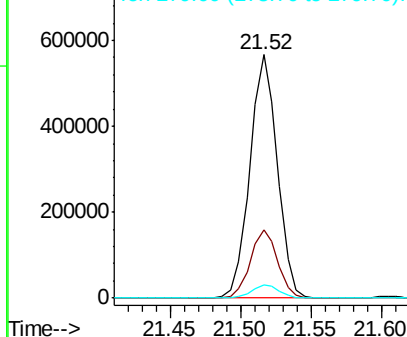
149 100

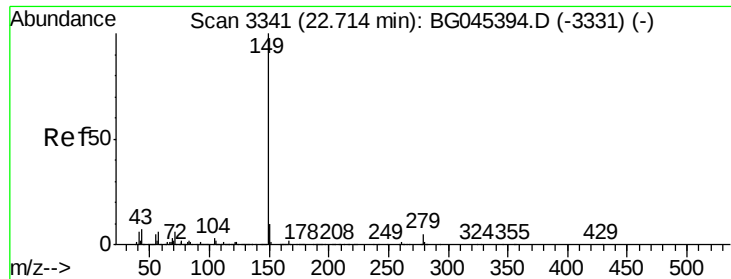
167 27.8 22.2 33.2

279 5.2 4.7 7.1



Abundance Ion 149.00 (148.70 to 149.70): E  
600000 Ion 167.00 (166.70 to 167.70): E  
400000 Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 43.459 ng

RT: 22.71 min Scan# 3340

Delta R.T. 0.00 min

Lab File: BG045415.D

Acq: 18 May 2020 16:28

Instrument :

BNA\_G

ClientSampleId :

PB128957BS

Tot Ion:149 Resp: 1297993

Ion Ratio Lower Upper

149 100

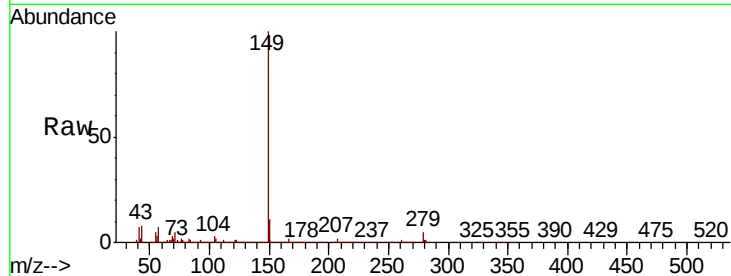
167 1.8 1.4 2.0

43 7.2 5.8 8.8

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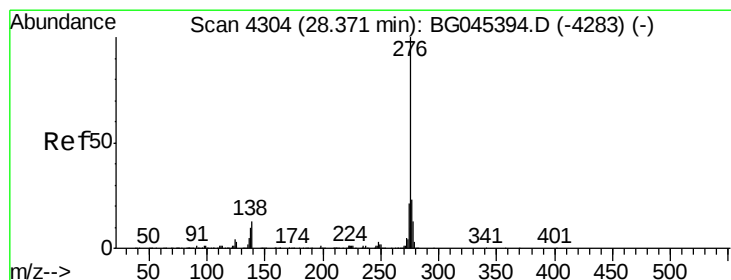
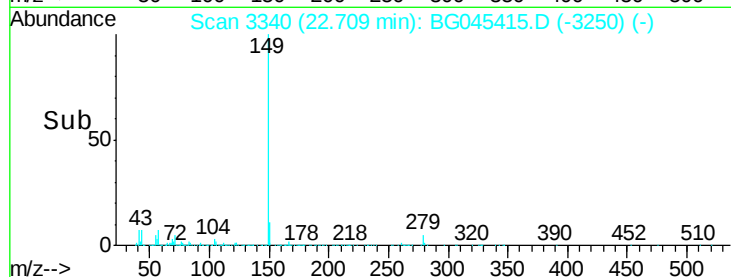
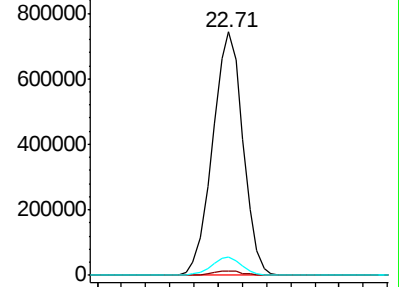
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): B



#86

Indeno(1,2,3-cd)pyrene

Concen: 43.233 ng

RT: 28.37 min Scan# 4304

Delta R.T. -0.01 min

Lab File: BG045415.D

Acq: 18 May 2020 16:28

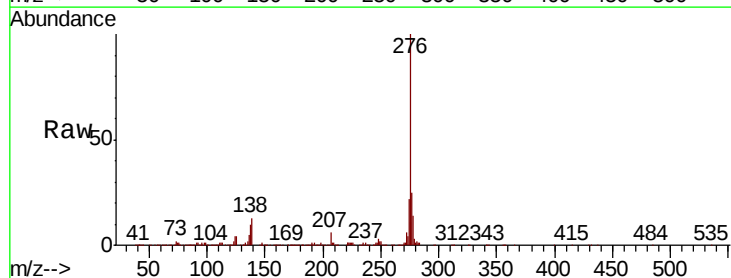
Tgt Ion:276 Resp: 1556938

Ion Ratio Lower Upper

276 100

138 16.0 8.6 12.8#

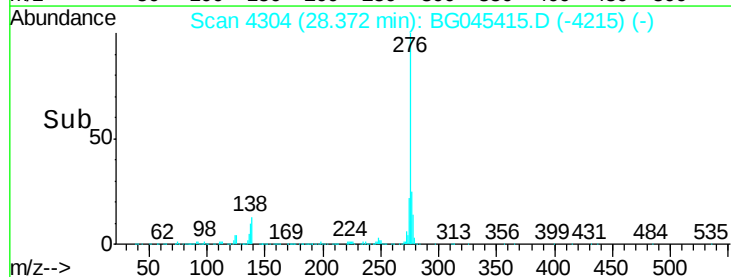
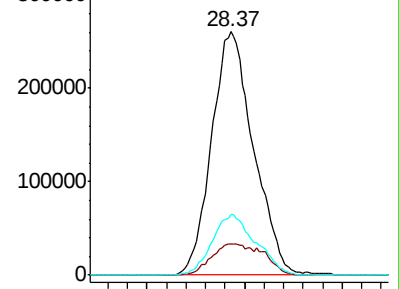
277 25.9 20.2 30.4

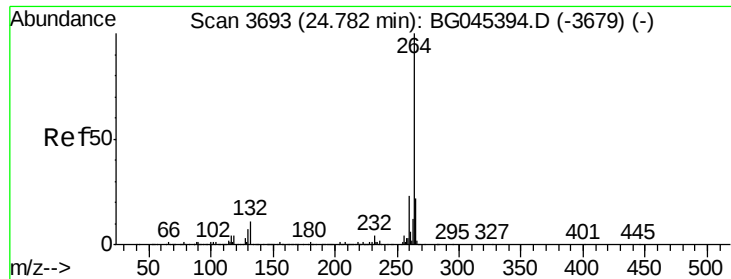


Abundance Ion 276.00 (275.70 to 276.70): E

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: 24.78 min Scan# 3693

Delta R.T. 0.00 min

Lab File: BG045415.D

Acq: 18 May 2020 16:28

Instrument :

BNA\_G

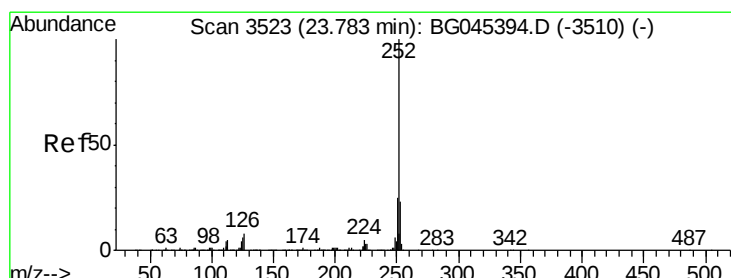
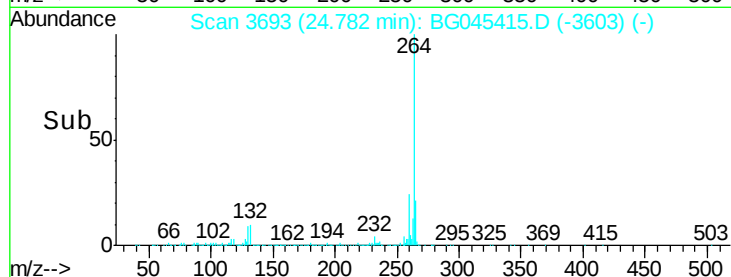
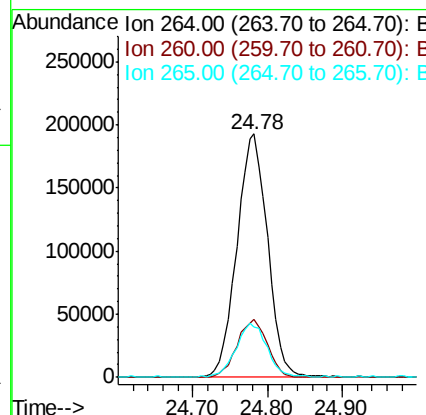
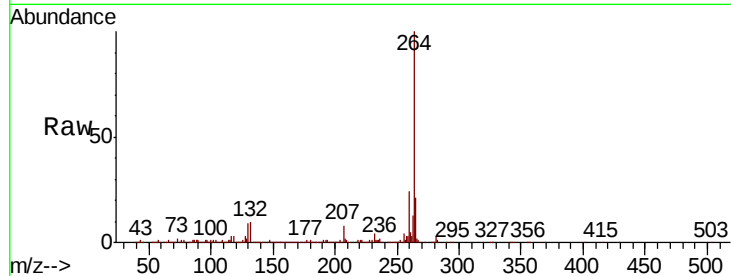
ClientSampleId :

PB128957BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 264   | Resp: | 549152 |
| Ion Ratio | Lower | Upper |        |
| 264       | 100   |       |        |
| 260       | 23.6  | 18.2  | 27.4   |
| 265       | 20.9  | 17.6  | 26.4   |

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#88

Benzo(b)fluoranthene

Concen: 44.919 ng

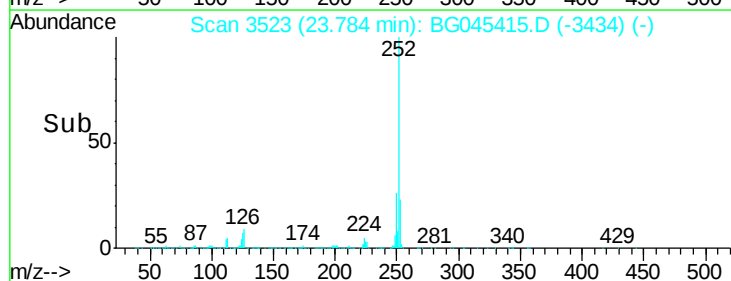
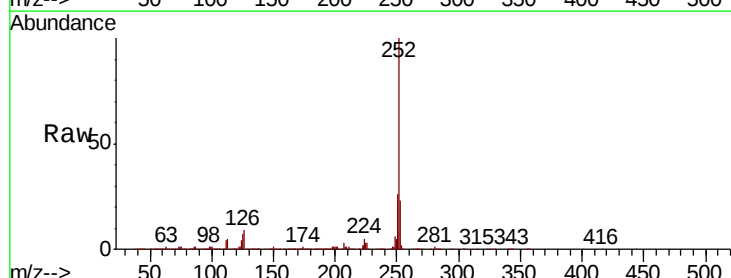
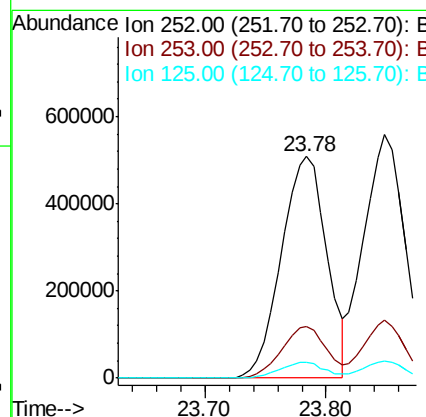
RT: 23.78 min Scan# 3523

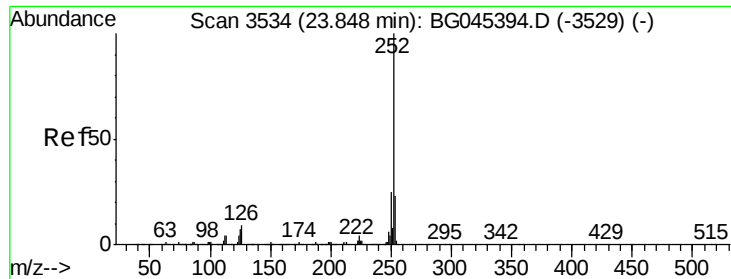
Delta R.T. -0.01 min

Lab File: BG045415.D

Acq: 18 May 2020 16:28

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 252   | Resp: | 1322936 |
| Ion Ratio | Lower | Upper |         |
| 252       | 100   |       |         |
| 253       | 23.3  | 18.1  | 27.1    |
| 125       | 6.9   | 5.0   | 7.6     |





#89

Benzo(k)fluoranthene

Concen: 47.917 ng

RT: 23.85 min Scan# 3534

Delta R.T. -0.01 min

Lab File: BG045415.D

Acq: 18 May 2020 16:28

Instrument :

BNA\_G

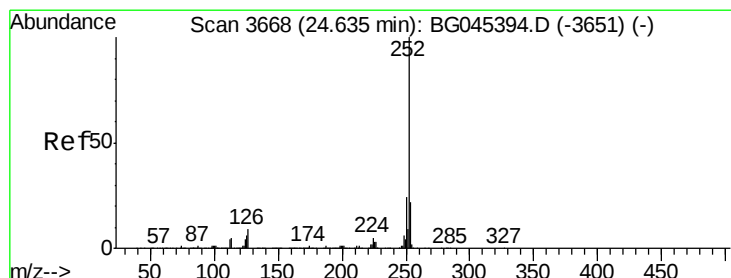
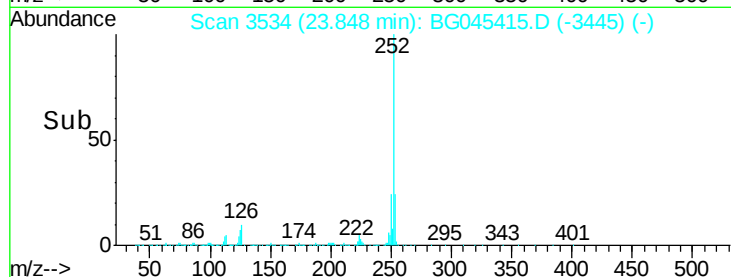
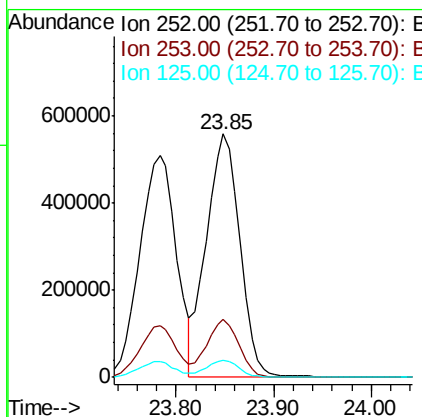
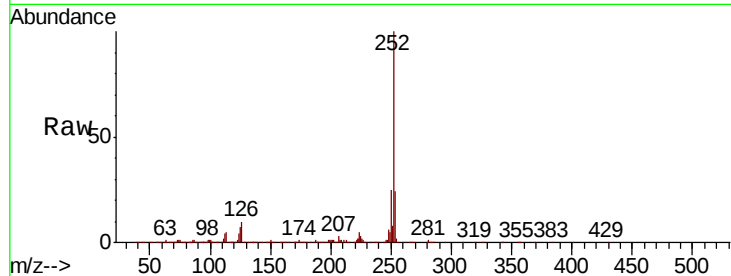
ClientSampleId :

PB128957BS

|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 252   | Resp: | 1325840 |
| Ion      | Ratio | Lower | Upper   |
| 252      | 100   |       |         |
| 253      | 23.6  | 18.4  | 27.6    |
| 125      | 7.1   | 5.7   | 8.5     |

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#90

Benzo(a)pyrene

Concen: 44.981 ng

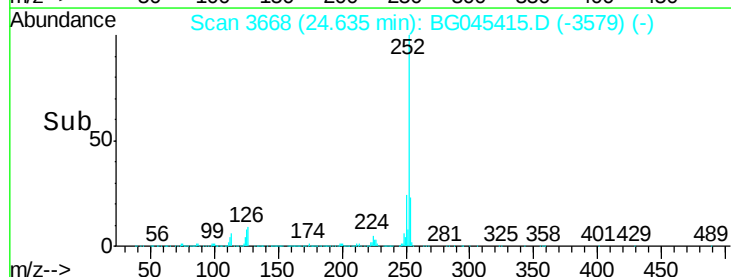
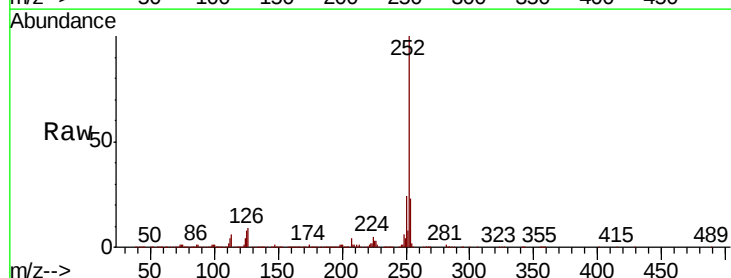
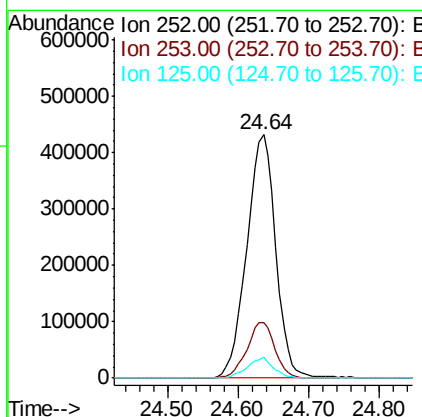
RT: 24.64 min Scan# 3668

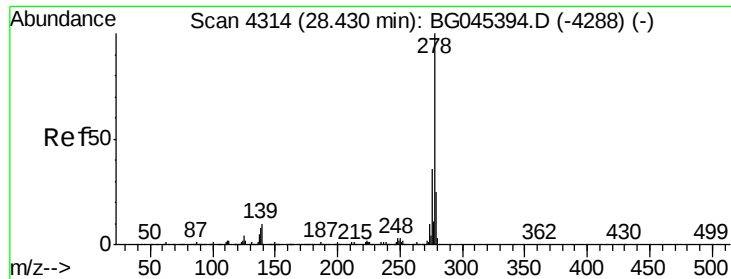
Delta R.T. -0.01 min

Lab File: BG045415.D

Acq: 18 May 2020 16:28

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 252   | Resp: | 1233794 |
| Ion      | Ratio | Lower | Upper   |
| 252      | 100   |       |         |
| 253      | 22.8  | 17.2  | 25.8    |
| 125      | 8.5   | 5.0   | 7.6#    |





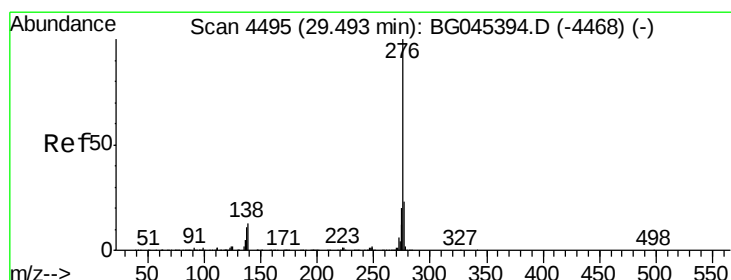
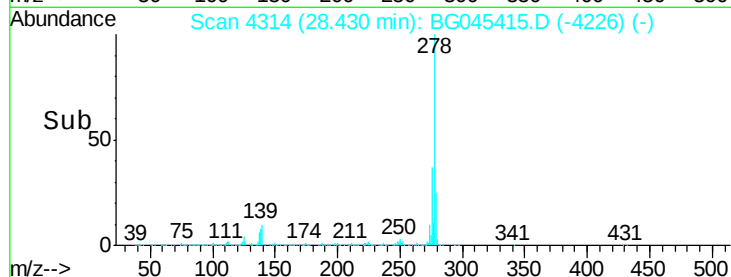
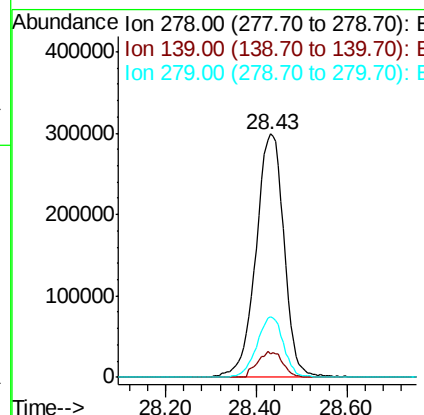
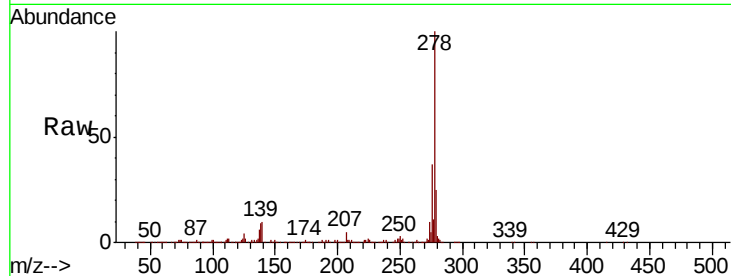
#91  
Dibenzo(a,h)anthracene  
Concen: 46.602 ng  
RT: 28.43 min Scan# 4314  
Delta R.T. -0.01 min  
Lab File: BG045415.D  
Acq: 18 May 2020 16:28

Instrument :  
BNA\_G  
ClientSampleId :  
PB128957BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 9.9   | 7.8   | 11.8  |
| 279     | 25.0  | 19.8  | 29.8  |

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#92  
Benzo(g,h,i)perylene  
Concen: 46.957 ng  
RT: 29.49 min Scan# 4494  
Delta R.T. -0.01 min  
Lab File: BG045415.D  
Acq: 18 May 2020 16:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 23.5  | 18.1  | 27.1  |
| 138     | 12.4  | 10.2  | 15.4  |

