

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021020\  
 Data File : BG044358.D  
 Acq On : 10 Feb 2020 16:03  
 Operator : CG/JU  
 Sample : PB126601BSD  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB126601BSD

Manual Integrations  
 APPROVED

mohammad  
 2/12/2020 9:49:34 AM

Quant Time: Feb 10 17:12:44 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Feb 10 16:11:50 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.90  | 152  | 64425    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.70 | 136  | 284227   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 14.54 | 164  | 195303   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 17.29 | 188  | 478365   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.53 | 240  | 463063   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 24.62 | 264  | 518046   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.48  | 112 | 458485  | 125.60 | ng | 0.00 |
| 7) Phenol-d6             | 7.08  | 99  | 616603  | 125.79 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 9.06  | 82  | 325249  | 64.60  | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.03 | 330 | 280870  | 122.50 | ng | 0.00 |
| 45) 2-Fluorobiphenyl     | 13.16 | 172 | 783136  | 67.15  | ng | 0.00 |
| 79) Terphenyl-d14        | 19.90 | 244 | 1448896 | 64.36  | ng | 0.00 |

## Target Compounds

|                                |       |     |        |        |    | Qvalue |
|--------------------------------|-------|-----|--------|--------|----|--------|
| 2) 1,4-Dioxane                 | 3.36  | 88  | 55050  | 33.564 | ng | 98     |
| 3) Pyridine                    | 3.75  | 79  | 134771 | 30.842 | ng | 99     |
| 4) n-Nitrosodimethylamine      | 3.67  | 42  | 68243  | 37.374 | ng | 98     |
| 6) Aniline                     | 7.22  | 93  | 217917 | 35.814 | ng | 98     |
| 8) 2-Chlorophenol              | 7.47  | 128 | 186353 | 46.449 | ng | 97     |
| 9) Benzaldehyde                | 7.04  | 77  | 81977  | 29.363 | ng | 98     |
| 10) Phenol                     | 7.10  | 94  | 227276 | 46.848 | ng | 98     |
| 11) bis(2-Chloroethyl)ether    | 7.32  | 93  | 168080 | 40.525 | ng | 98     |
| 12) 1,3-Dichlorobenzene        | 7.79  | 146 | 185722 | 38.772 | ng | 97     |
| 13) 1,4-Dichlorobenzene        | 7.94  | 146 | 186623 | 39.336 | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 8.26  | 146 | 179210 | 39.964 | ng | 98     |
| 15) Benzyl Alcohol             | 8.14  | 79  | 149418 | 43.054 | ng | 99     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.44  | 45  | 214568 | 38.222 | ng | 99     |
| 17) 2-Methylphenol             | 8.35  | 107 | 159368 | 46.042 | ng | 97     |
| 18) Hexachloroethane           | 8.99  | 117 | 68462  | 38.455 | ng | 97     |
| 19) n-Nitroso-di-n-propylamine | 8.71  | 70  | 132242 | 40.478 | ng | 97     |
| 20) 3+4-Methylphenols          | 8.68  | 107 | 219373 | 45.987 | ng | 98     |
| 22) Acetophenone               | 8.72  | 105 | 252373 | 36.500 | ng | 99     |
| 24) Nitrobenzene               | 9.10  | 77  | 189847 | 38.627 | ng | 98     |
| 25) Isophorone                 | 9.63  | 82  | 371471 | 39.587 | ng | 99     |
| 26) 2-Nitrophenol              | 9.82  | 139 | 104471 | 40.965 | ng | 99     |
| 27) 2,4-Dimethylphenol         | 9.88  | 122 | 178821 | 49.673 | ng | 98     |
| 28) bis(2-Chloroethoxy)methane | 10.11 | 93  | 234120 | 37.401 | ng | 100    |
| 29) 2,4-Dichlorophenol         | 10.36 | 162 | 188261 | 43.249 | ng | 99     |
| 30) 1,2,4-Trichlorobenzene     | 10.57 | 180 | 185771 | 37.219 | ng | 99     |
| 31) Naphthalene                | 10.75 | 128 | 550553 | 39.925 | ng | 99     |
| 32) Benzoic acid               | 10.03 | 122 | 56886  | 31.078 | ng | 99     |
| 33) 4-Chloroaniline            | 10.86 | 127 | 137898 | 21.987 | ng | 98     |
| 34) Hexachlorobutadiene        | 11.05 | 225 | 107582 | 35.028 | ng | 97     |
| 35) Caprolactam                | 11.63 | 113 | 71497m | 44.838 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 12.00 | 107 | 200473 | 43.926 | ng | 97     |
| 37) 2-Methylnaphthalene        | 12.37 | 142 | 416814 | 40.710 | ng | 99     |
| 38) 1-Methylnaphthalene        | 12.58 | 142 | 398194 | 41.251 | ng | 99     |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.74 | 216 | 208129 | 35.625 | ng | 99     |

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 QLast Update : Mon Feb 10 16:11:50 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 12.72 | 237  | 253182   | 90.318  | ng    | 100      |
| 43) 2,4,6-Trichlorophenol      | 12.98 | 196  | 151155   | 40.028  | ng    | 97       |
| 44) 2,4,5-Trichlorophenol      | 13.05 | 196  | 163992   | 42.518  | ng    | 99       |
| 46) 1,1'-Biphenyl              | 13.38 | 154  | 536239   | 38.065  | ng    | 98       |
| 47) 2-Chloronaphthalene        | 13.42 | 162  | 420272   | 37.491  | ng    | 99       |
| 48) 2-Nitroaniline             | 13.62 | 65   | 125647   | 37.979  | ng    | 98       |
| 49) Acenaphthylene             | 14.26 | 152  | 680630   | 41.395  | ng    | 99       |
| 50) Dimethylphthalate          | 14.00 | 163  | 566567   | 40.357  | ng    | 99       |
| 51) 2,6-Dinitrotoluene         | 14.11 | 165  | 126540   | 40.425  | ng    | 97       |
| 52) Acenaphthene               | 14.60 | 154  | 416735   | 39.103  | ng    | 98       |
| 53) 3-Nitroaniline             | 14.44 | 138  | 93646    | 27.041  | ng    | 100      |
| 54) 2,4-Dinitrophenol          | 14.65 | 184  | 151277   | 81.412  | ng    | 98       |
| 55) Dibenzofuran               | 14.94 | 168  | 659258   | 40.857  | ng    | 99       |
| 56) 4-Nitrophenol              | 14.76 | 139  | 254004   | 100.130 | ng    | 98       |
| 57) 2,4-Dinitrotoluene         | 14.90 | 165  | 186582   | 42.528  | ng    | 96       |
| 58) Fluorene                   | 15.59 | 166  | 531335   | 41.808  | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol  | 15.17 | 232  | 155274   | 44.569  | ng    | 98       |
| 60) Diethylphthalate           | 15.37 | 149  | 583228   | 41.693  | ng    | 99       |
| 61) 4-Chlorophenyl-phenylether | 15.59 | 204  | 275662   | 40.004  | ng    | 100      |
| 62) 4-Nitroaniline             | 15.61 | 138  | 139492   | 40.310  | ng    | 98       |
| 63) Azobenzene                 | 15.88 | 77   | 507779   | 41.417  | ng    | 98       |
| 65) 4,6-Dinitro-2-methylphenol | 15.67 | 198  | 117607   | 44.539  | ng    | 99       |
| 66) n-Nitrosodiphenylamine     | 15.80 | 169  | 507249   | 37.838  | ng    | 98       |
| 67) 4-Bromophenyl-phenylether  | 16.48 | 248  | 190926   | 36.634  | ng    | 98       |
| 68) Hexachlorobenzene          | 16.60 | 284  | 209855   | 35.941  | ng    | 98       |
| 69) Atrazine                   | 16.75 | 200  | 210340   | 45.777  | ng    | 99       |
| 70) Pentachlorophenol          | 16.94 | 266  | 233698   | 79.182  | ng    | 98       |
| 71) Phenanthrene               | 17.33 | 178  | 914931   | 39.498  | ng    | 98       |
| 72) Anthracene                 | 17.42 | 178  | 941646   | 41.117  | ng    | 99       |
| 73) Carbazole                  | 17.69 | 167  | 882117   | 41.782  | ng    | 100      |
| 74) Di-n-butylphthalate        | 18.25 | 149  | 1102137  | 42.244  | ng    | 99       |
| 75) Fluoranthene               | 19.34 | 202  | 1159770  | 43.281  | ng    | 100      |
| 77) Benzidine                  | 19.52 | 184  | 591229   | 46.031  | ng    | 99       |
| 78) Pyrene                     | 19.70 | 202  | 1163532  | 39.126  | ng    | 98       |
| 80) Butylbenzylphthalate       | 20.59 | 149  | 501788   | 37.027  | ng    | 98       |
| 81) Benzo(a)anthracene         | 21.51 | 228  | 1103592  | 38.670  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine     | 21.43 | 252  | 315699   | 28.502  | ng    | 99       |
| 83) Chrysene                   | 21.58 | 228  | 1070430  | 38.804  | ng    | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 21.44 | 149  | 709954   | 38.061  | ng    | 99       |
| 85) Di-n-octyl phthalate       | 22.60 | 149  | 1235232  | 38.273  | ng    | 99       |
| 86) Indeno(1,2,3-cd)pyrene     | 28.12 | 276  | 1356138  | 37.681  | ng    | 99       |
| 88) Benzo(b)fluoranthene       | 23.64 | 252  | 1186535  | 39.748  | ng    | 99       |
| 89) Benzo(k)fluoranthene       | 23.71 | 252  | 1145815  | 39.383  | ng    | 99       |
| 90) Benzo(a)pyrene             | 24.48 | 252  | 1087264  | 38.522  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene     | 28.17 | 278  | 1124096  | 40.243  | ng    | 98       |
| 92) Benzo(g,h,i)perylene       | 29.20 | 276  | 1137563  | 40.682  | ng    | 98       |

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

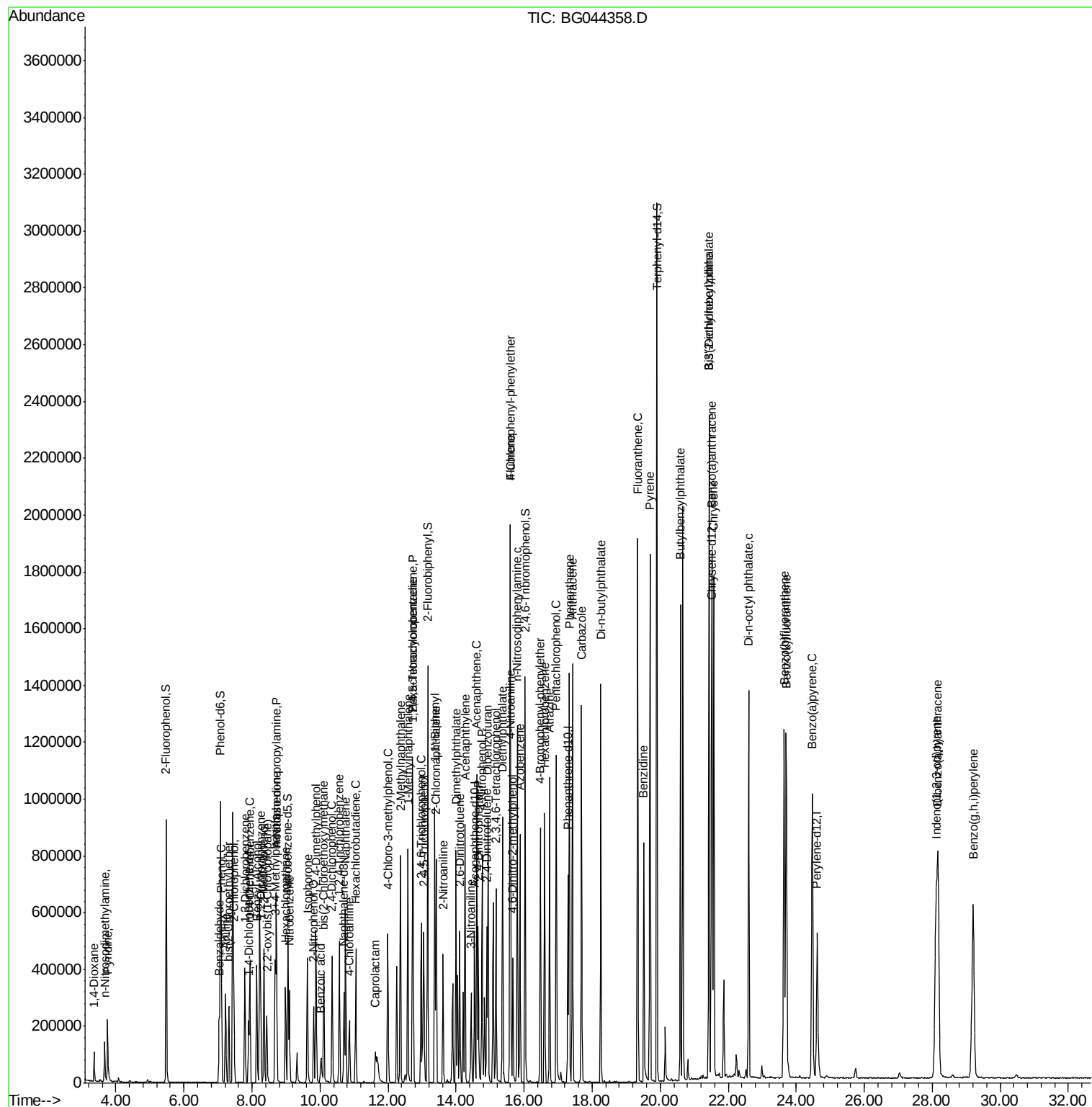
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021020\  
Data File : BG044358.D  
Acq On : 10 Feb 2020 16:03  
Operator : CG/JU  
Sample : PB126601BSD  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

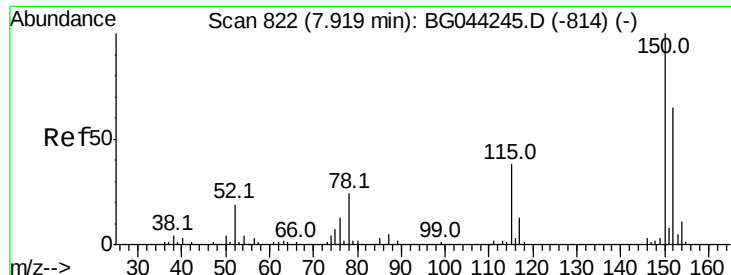
Instrument :  
BNA\_G  
ClientSampleId :  
PB126601BSD

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#1

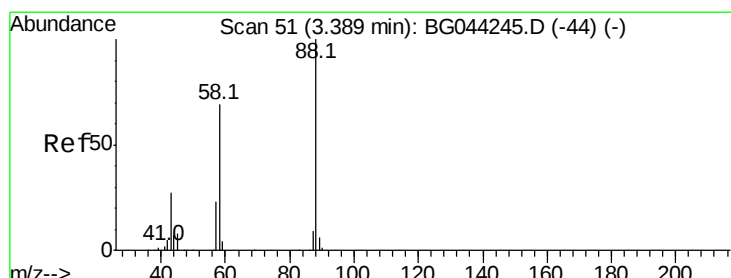
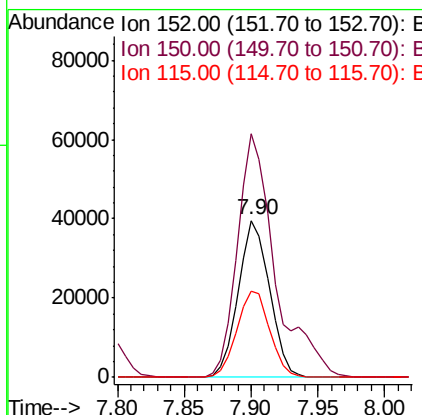
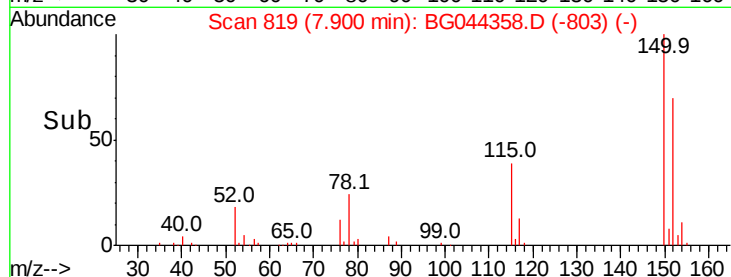
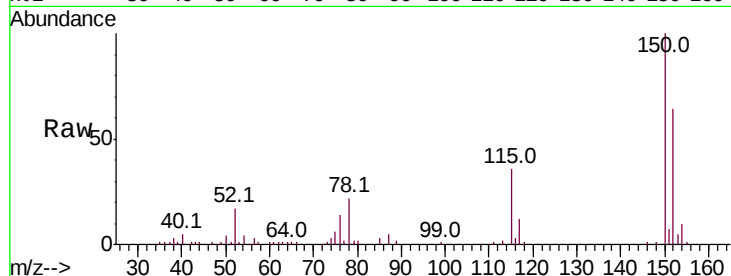
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.90 min Scan# 819  
Delta R.T. -0.01 min  
Lab File: BG044358.D  
Acq: 10 Feb 2020 16:03

Instrument :  
BNA\_G  
ClientSampleId :  
PB126601BSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 155.5 | 122.6 | 183.8 |
| 115     | 55.3  | 46.0  | 69.0  |

Manual Integrations  
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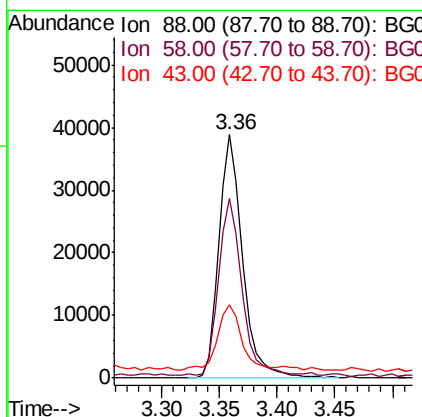
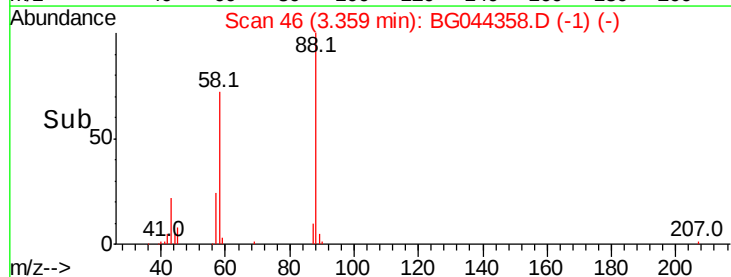
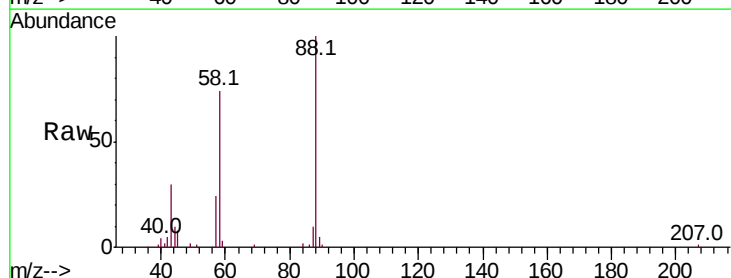
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2/12/2020 9:49:34 AM

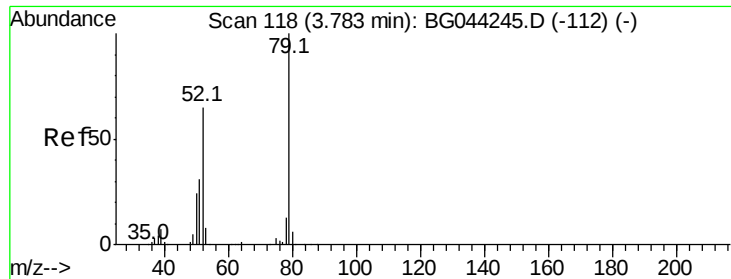


#2

1,4-Dioxane  
Concen: 33.564 ng  
RT: 3.36 min Scan# 46  
Delta R.T. -0.01 min  
Lab File: BG044358.D  
Acq: 10 Feb 2020 16:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 71.6  | 55.8  | 83.6  |
| 43      | 26.9  | 21.6  | 32.4  |





#3

Pvridine

Concen: 30.842 ng

RT: 3.75 min Scan# 113

Delta R.T. -0.01 min

Lab File: BG044358.D

Acq: 10 Feb 2020 16:03

Instrument :

BNA\_G

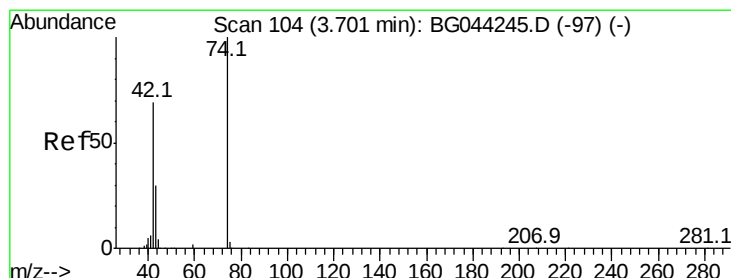
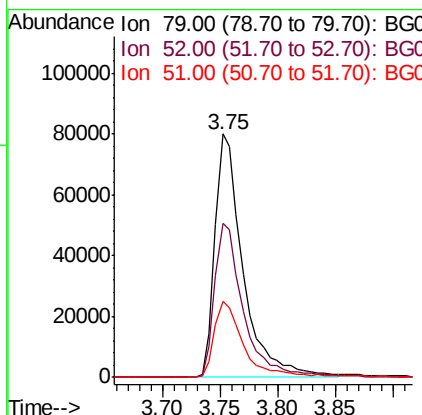
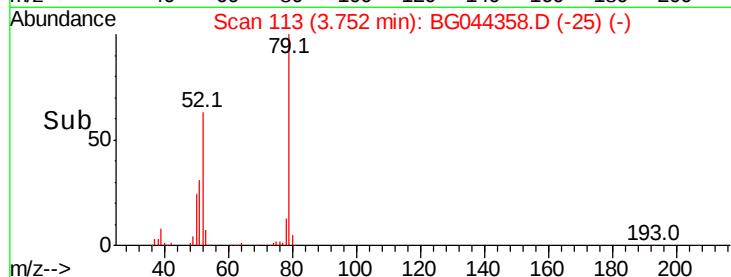
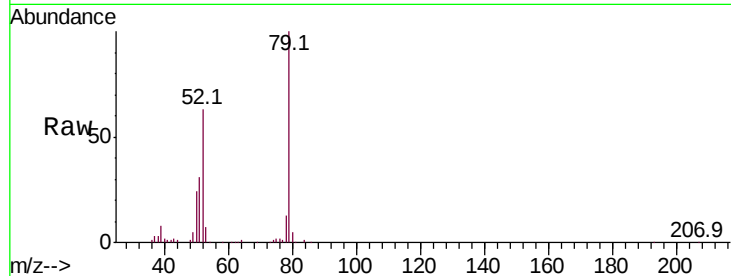
ClientSampleId :

PB126601BSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 79    | Resp: | 134771 |
| Ion Ratio | Lower | Upper |        |
| 79        | 100   |       |        |
| 52        | 63.5  | 51.9  | 77.9   |
| 51        | 31.3  | 25.3  | 37.9   |

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#4

n-Nitrosodimethylamine

Concen: 37.374 ng

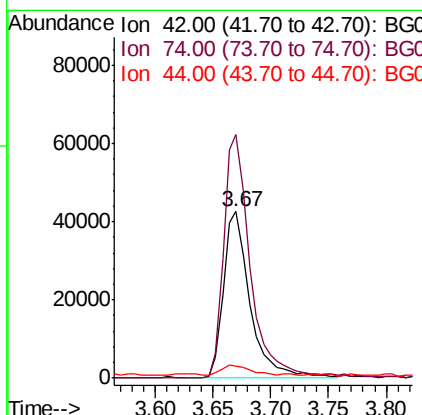
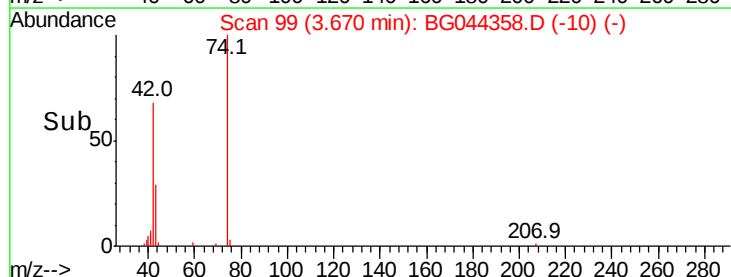
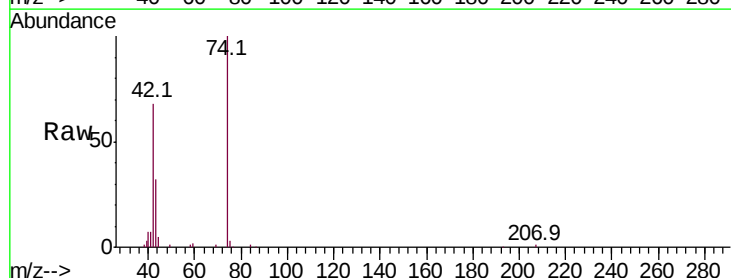
RT: 3.67 min Scan# 99

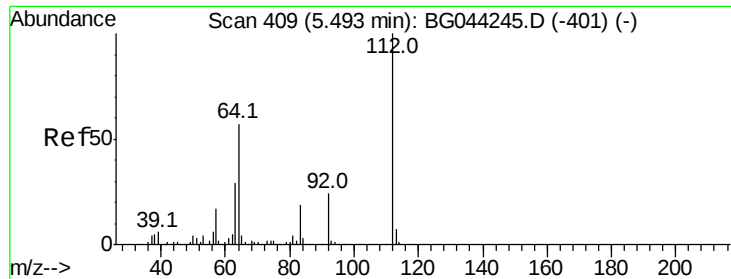
Delta R.T. -0.01 min

Lab File: BG044358.D

Acq: 10 Feb 2020 16:03

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 42    | Resp: | 68243 |
| Ion Ratio | Lower | Upper |       |
| 42        | 100   |       |       |
| 74        | 146.2 | 115.1 | 172.7 |
| 44        | 7.3   | 5.6   | 8.4   |





#5

2-Fluorophenol

Concen: 125.596 ng

RT: 5.48 min Scan# 407

Delta R.T. 0.00 min

Lab File: BG044358.D

Acq: 10 Feb 2020 16:03

Instrument :

BNA\_G

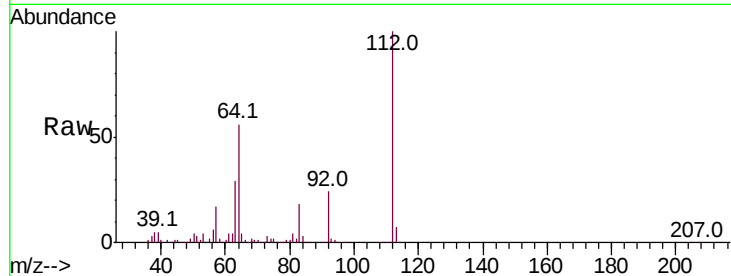
ClientSampleId :

PB126601BSD

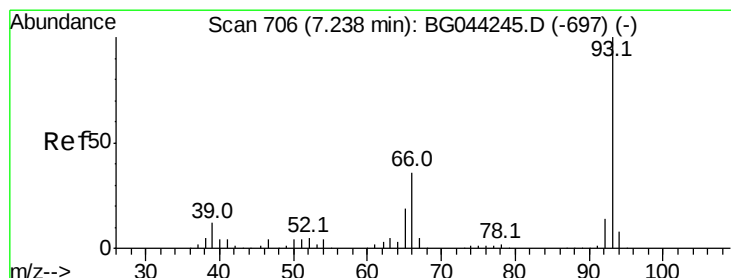
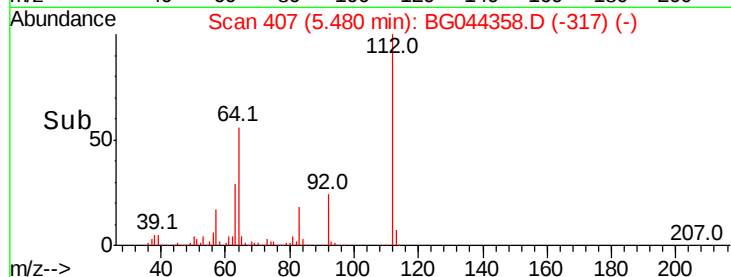
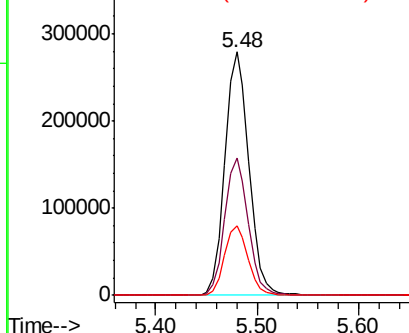
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 112   | Resp: | 458485 |
| Ion Ratio | Lower | Upper |        |
| 112       | 100   |       |        |
| 64        | 56.2  | 45.4  | 68.2   |
| 63        | 28.7  | 22.9  | 34.3   |

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Abundance Ion 112.00 (111.70 to 112.70): BGC  
Ion 64.00 (63.70 to 64.70): BGC  
Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 35.814 ng

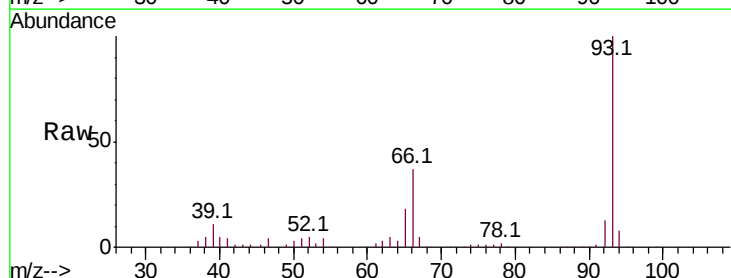
RT: 7.22 min Scan# 704

Delta R.T. -0.01 min

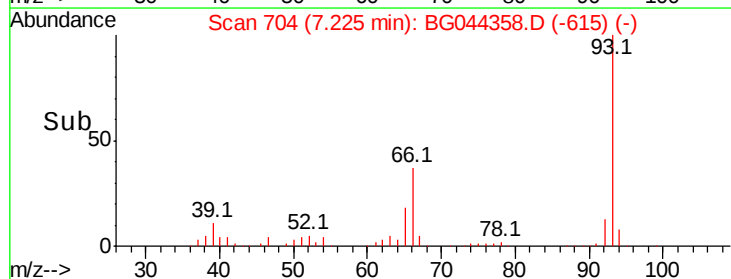
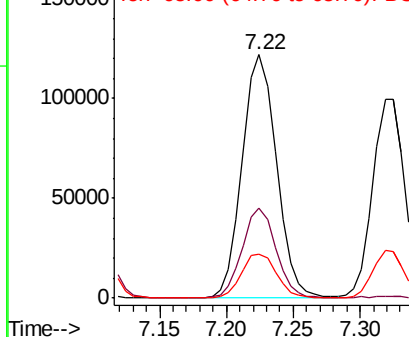
Lab File: BG044358.D

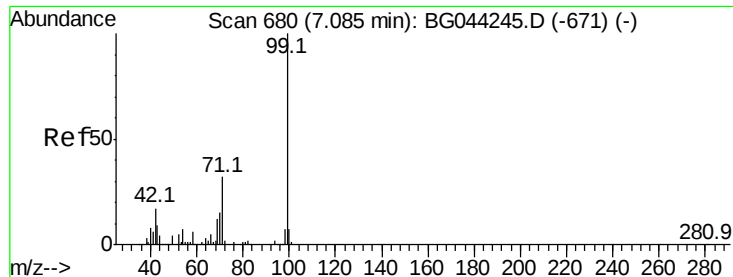
Acq: 10 Feb 2020 16:03

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 93    | Resp: | 217917 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 66        | 37.2  | 28.7  | 43.1   |
| 65        | 18.2  | 15.4  | 23.0   |



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





#7

Phenol-d6

Concen: 125.785 ng

RT: 7.08 min Scan# 679

Delta R.T. 0.00 min

Lab File: BG044358.D

Acq: 10 Feb 2020 16:03

Instrument :

BNA\_G

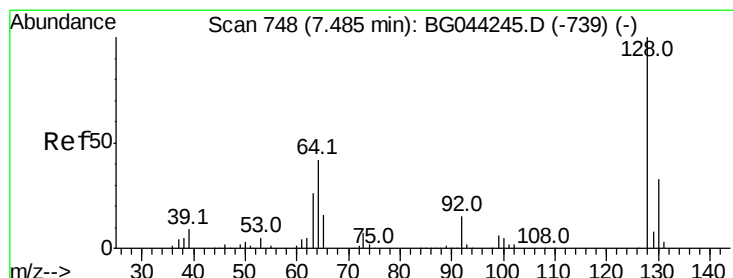
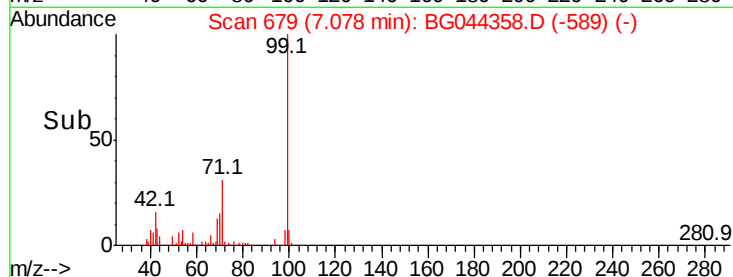
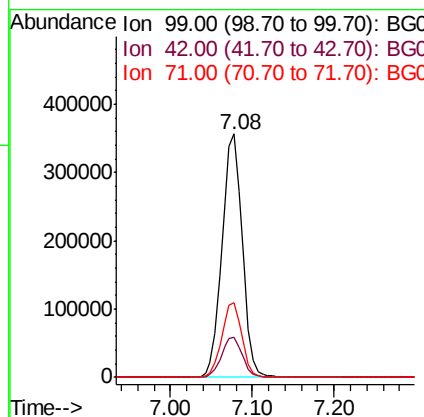
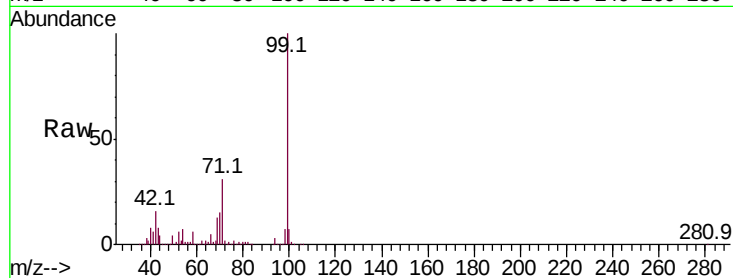
ClientSampleId :

PB126601BSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 99    | Resp: | 616603 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 16.5  | 13.8  | 20.6   |
| 71        | 30.5  | 25.5  | 38.3   |

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#8

2-Chlorophenol

Concen: 46.449 ng

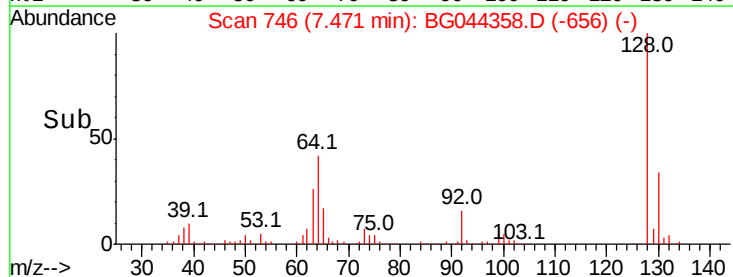
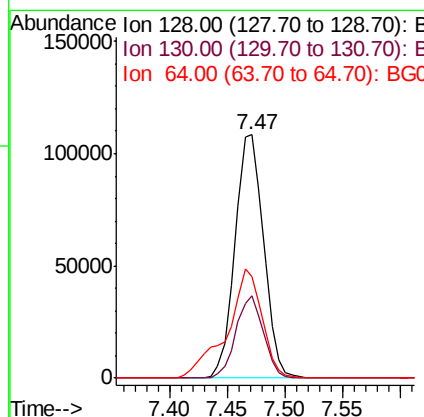
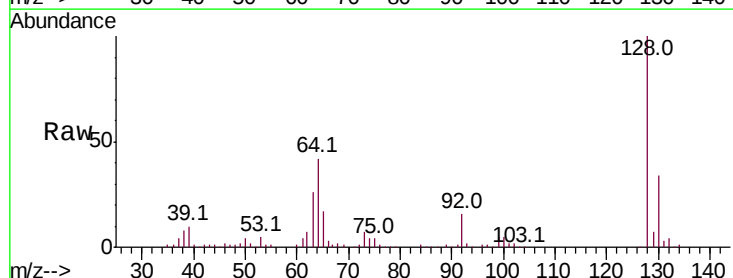
RT: 7.47 min Scan# 746

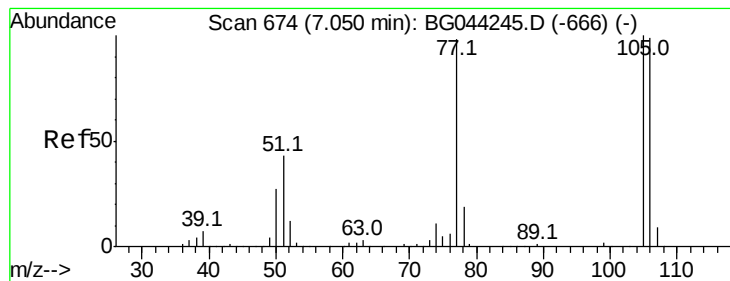
Delta R.T. 0.00 min

Lab File: BG044358.D

Acq: 10 Feb 2020 16:03

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 128   | Resp: | 186353 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 130       | 33.6  | 12.5  | 52.5   |
| 64        | 41.6  | 24.2  | 64.2   |





#9

Benzaldehyde

Concen: 29.363 ng

RT: 7.04 min Scan# 672

Delta R.T. 0.00 min

Lab File: BG044358.D

Acq: 10 Feb 2020 16:03

Instrument :

BNA\_G

ClientSampleId :

PB126601BSD

Tot Ion: 77 Resp: 81977

Ion Ratio Lower Upper

77 100

105 104.2 82.0 122.0

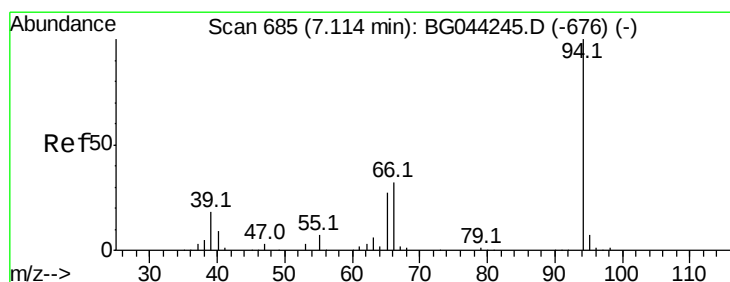
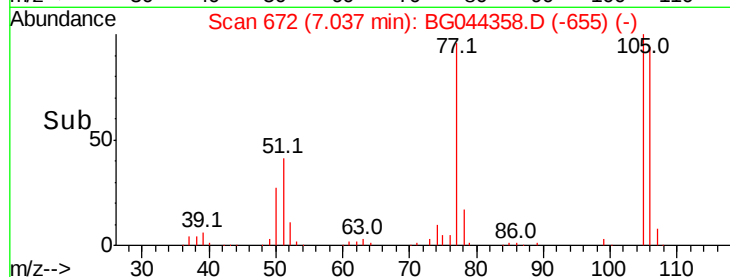
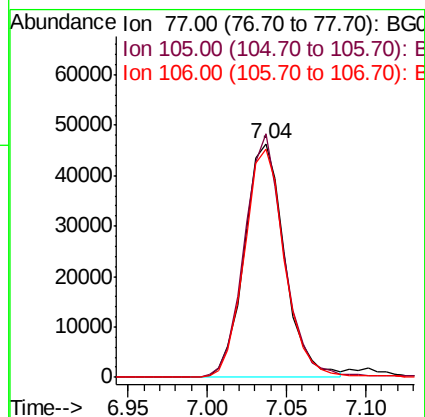
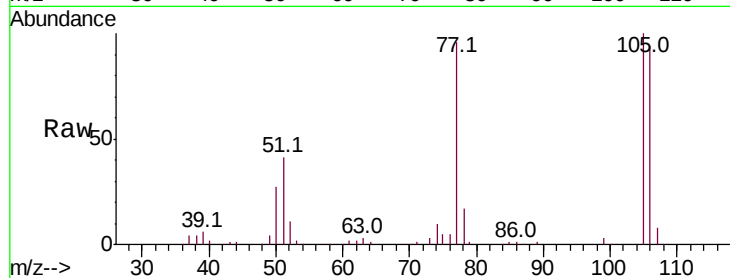
106 97.9 80.7 120.7

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#10

Phenol

Concen: 46.848 ng

RT: 7.10 min Scan# 683

Delta R.T. 0.00 min

Lab File: BG044358.D

Acq: 10 Feb 2020 16:03

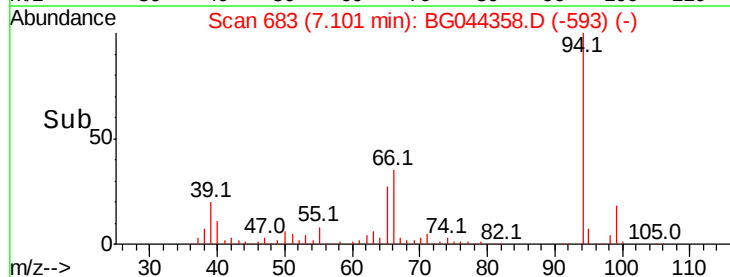
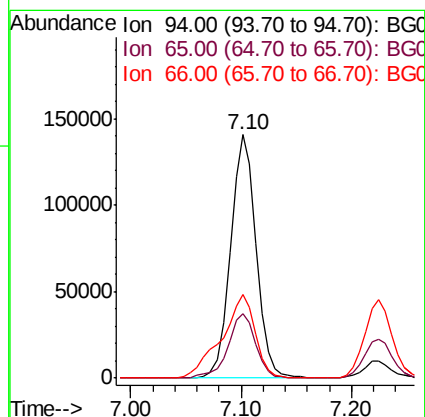
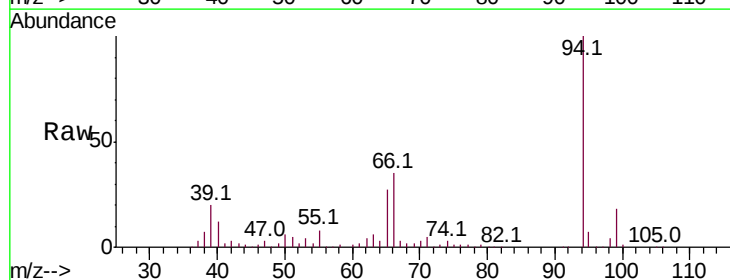
Tgt Ion: 94 Resp: 227276

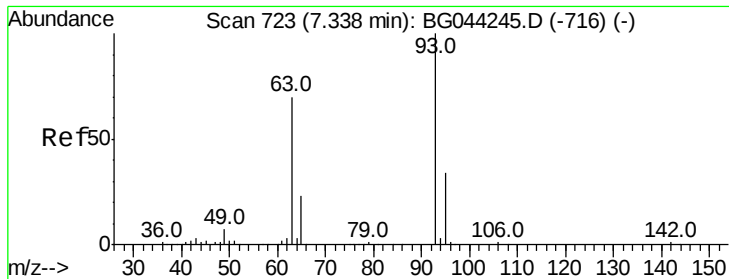
Ion Ratio Lower Upper

94 100

65 26.6 7.0 47.0

66 34.6 12.7 52.7





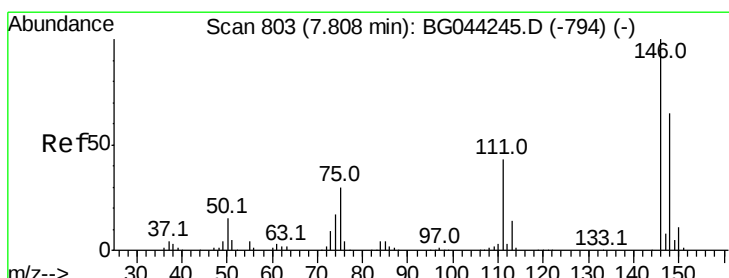
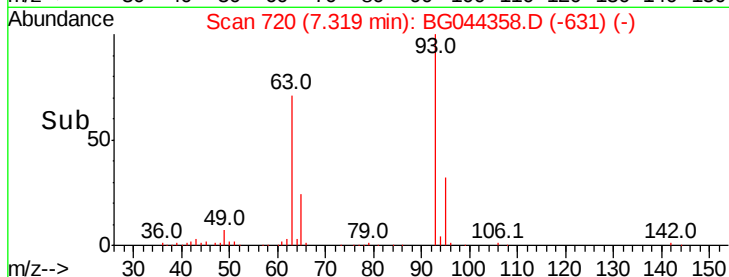
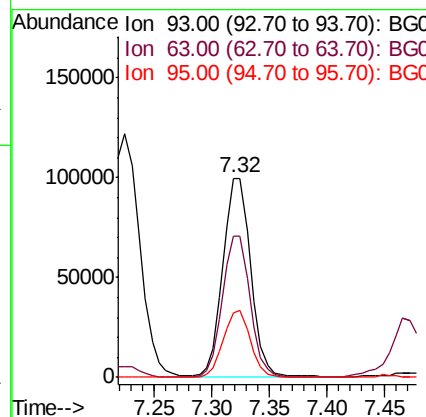
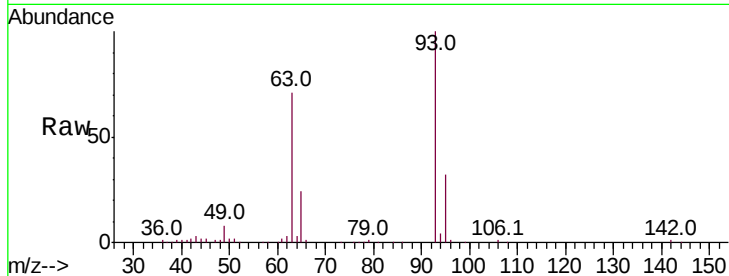
#11  
bis(2-Chloroethyl)ether  
Concen: 40.525 ng  
RT: 7.32 min Scan# 720  
Delta R.T. -0.01 min  
Lab File: BG044358.D  
Acq: 10 Feb 2020 16:03

Instrument :  
BNA\_G  
ClientSampleId :  
PB126601BSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 63      | 70.7  | 49.2  | 89.2  |
| 95      | 32.1  | 13.6  | 53.6  |

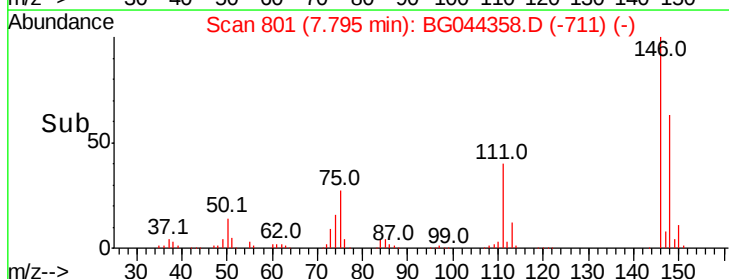
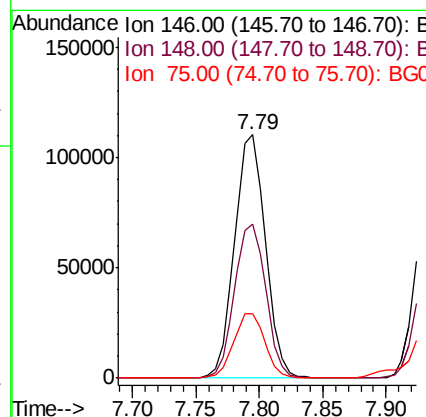
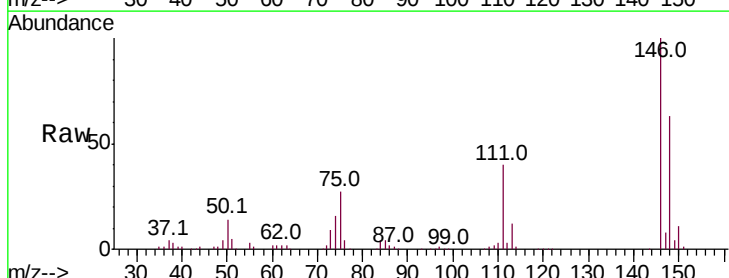
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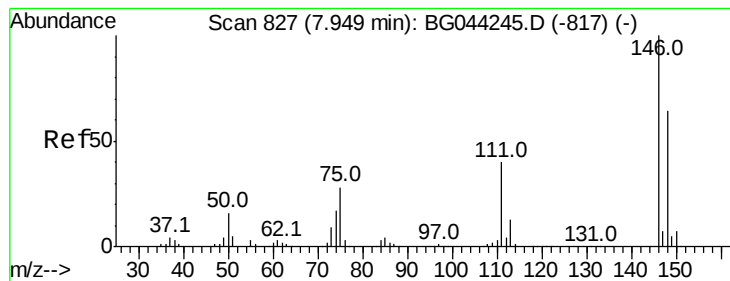
mohammad  
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#12  
1,3-Dichlorobenzene  
Concen: 38.772 ng  
RT: 7.79 min Scan# 801  
Delta R.T. 0.00 min  
Lab File: BG044358.D  
Acq: 10 Feb 2020 16:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 63.3  | 51.8  | 77.8  |
| 75      | 26.6  | 23.7  | 35.5  |





#13

1,4-Dichlorobenzene

Concen: 39.336 ng

RT: 7.94 min Scan# 825

Delta R.T. -0.01 min

Lab File: BG044358.D

Acq: 10 Feb 2020 16:03

Instrument :

BNA\_G

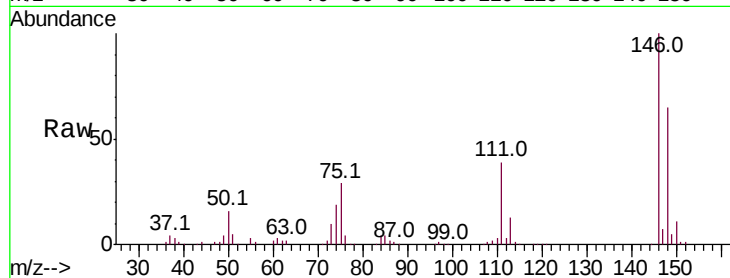
ClientSampleId :

PB126601BSD

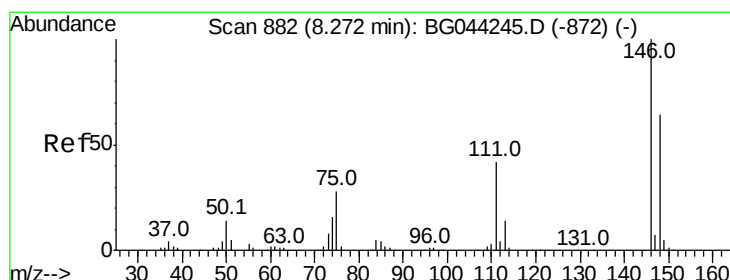
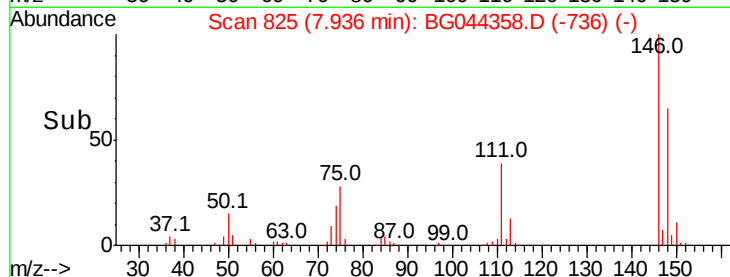
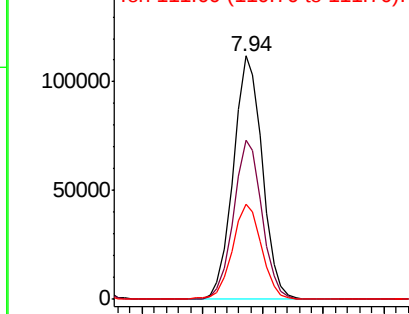
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 186623 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 65.3  | 51.4  | 77.0   |
| 111       | 39.1  | 31.8  | 47.8   |

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Abundance Ion 146.00 (145.70 to 146.70): E  
Ion 148.00 (147.70 to 148.70): E  
Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 39.964 ng

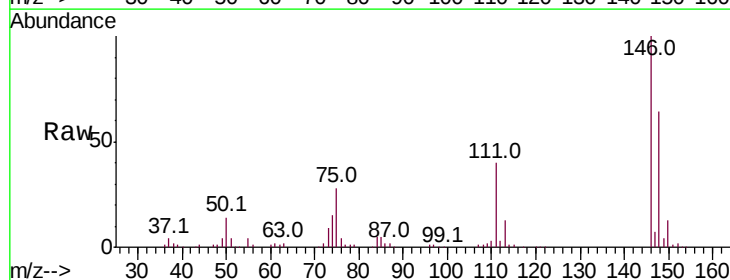
RT: 8.26 min Scan# 880

Delta R.T. 0.00 min

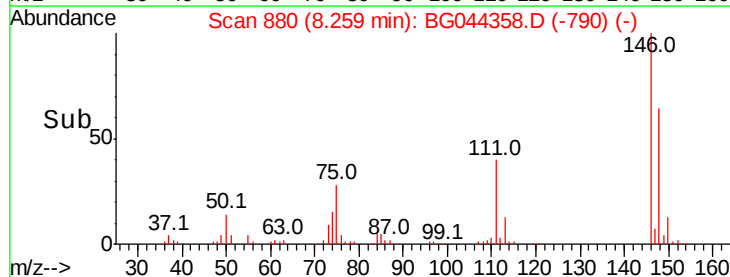
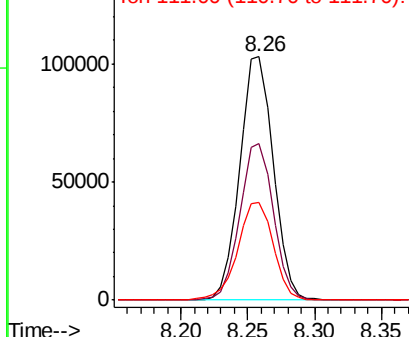
Lab File: BG044358.D

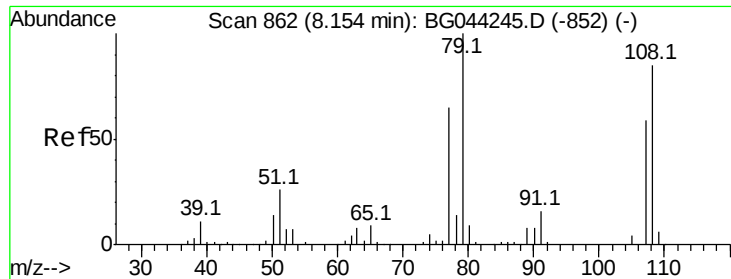
Acq: 10 Feb 2020 16:03

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 179210 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 64.3  | 51.2  | 76.8   |
| 111       | 40.3  | 34.0  | 51.0   |



Abundance Ion 146.00 (145.70 to 146.70): E  
Ion 148.00 (147.70 to 148.70): E  
Ion 111.00 (110.70 to 111.70): E





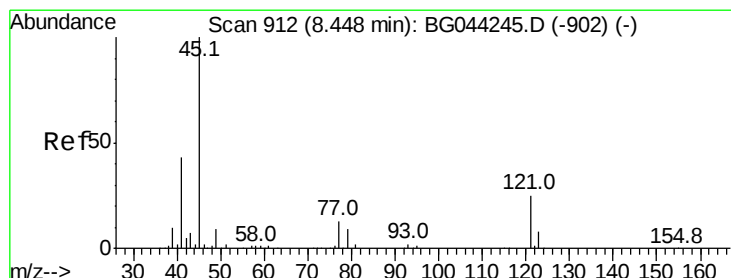
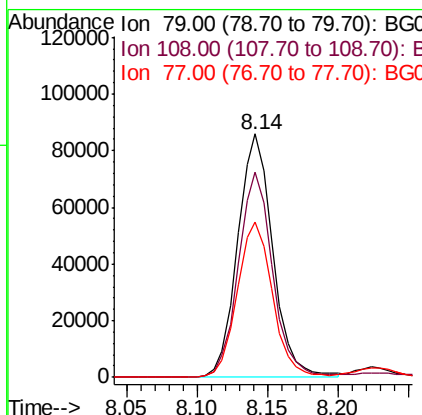
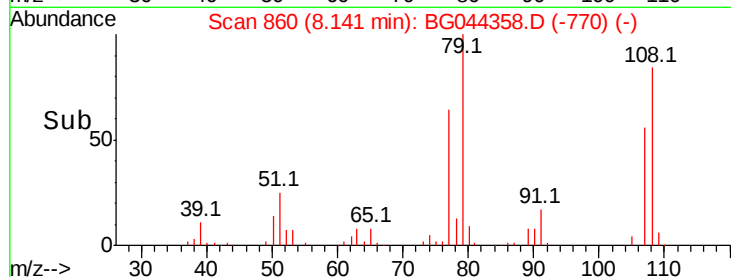
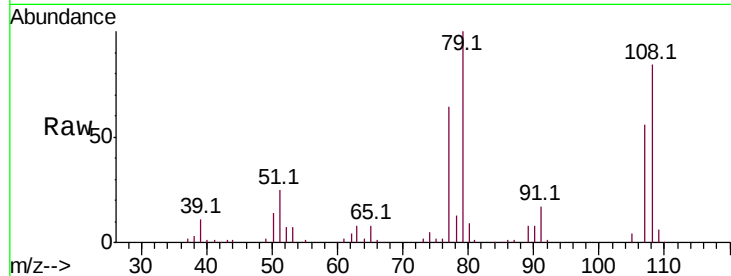
#15  
Benzyl Alcohol  
Concen: 43.054 ng  
RT: 8.14 min Scan# 860  
Delta R.T. 0.00 min  
Lab File: BG044358.D  
Acq: 10 Feb 2020 16:03

Instrument :  
BNA\_G  
ClientSampleId :  
PB126601BSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 108     | 84.1  | 68.3  | 102.5 |
| 77      | 63.9  | 51.8  | 77.8  |

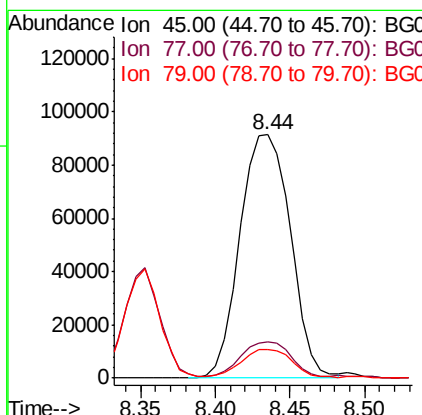
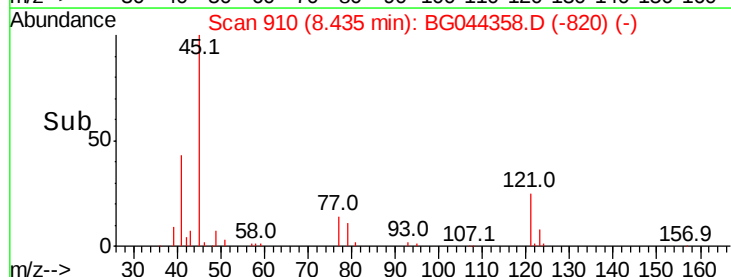
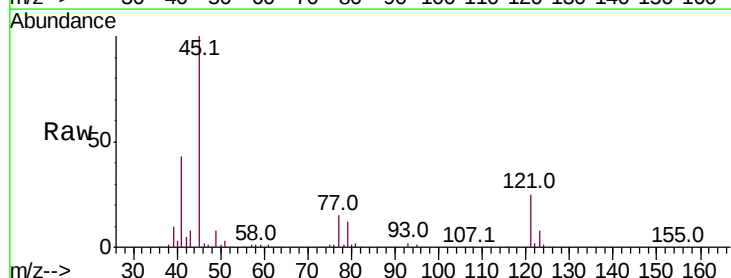
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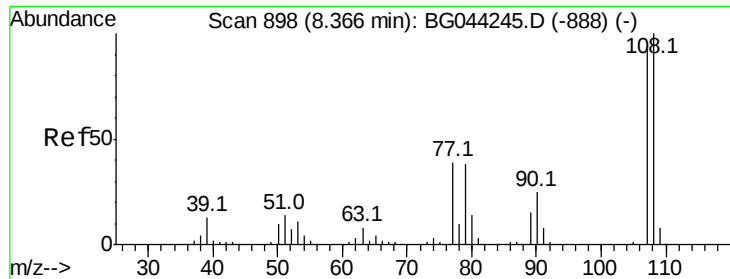
mohammad  
2/12/2020 9:49:34 AM



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 38.222 ng  
RT: 8.44 min Scan# 910  
Delta R.T. 0.00 min  
Lab File: BG044358.D  
Acq: 10 Feb 2020 16:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 77      | 14.9  | 0.0   | 35.2  |
| 79      | 11.9  | 0.0   | 31.1  |





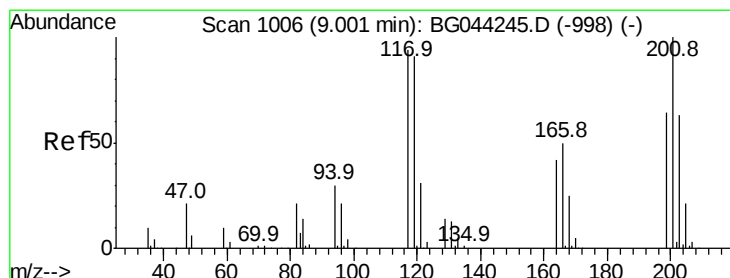
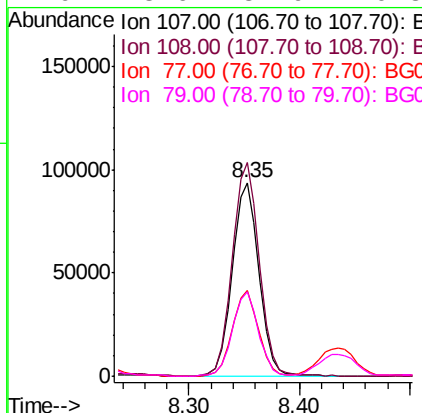
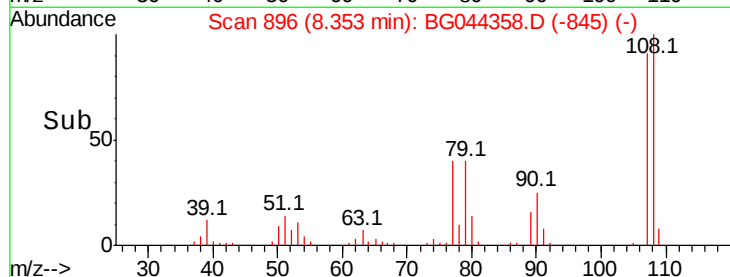
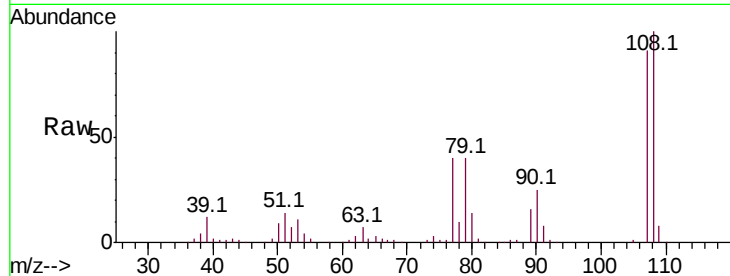
#17  
2-Methylphenol  
Concen: 46.042 ng  
RT: 8.35 min Scan# 896  
Delta R.T. 0.00 min  
Lab File: BG044358.D  
Acq: 10 Feb 2020 16:03

Instrument :  
BNA\_G  
ClientSampleId :  
PB126601BSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 107     | 100   |      |       |       |
| 108     | 110.3 | 86.4 | 129.6 |       |
| 77      | 44.3  | 34.0 | 51.0  |       |
| 79      | 43.6  | 32.9 | 49.3  |       |

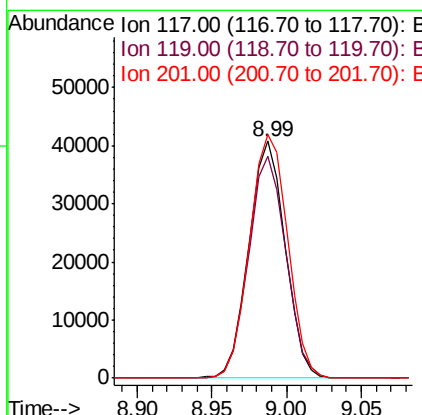
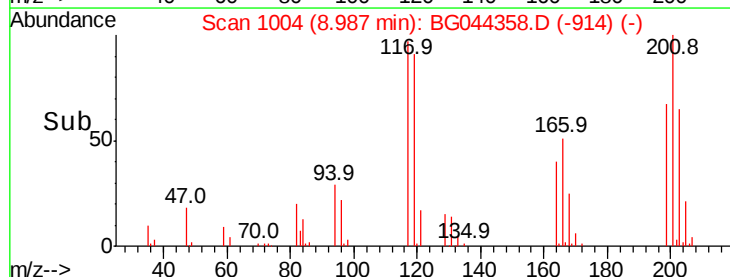
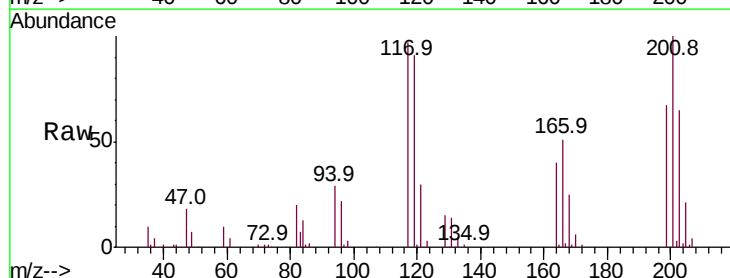
Manual Integrations  
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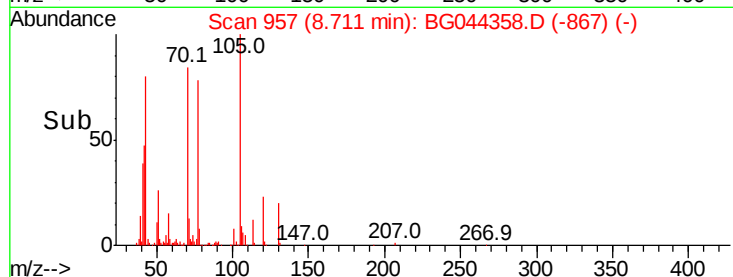
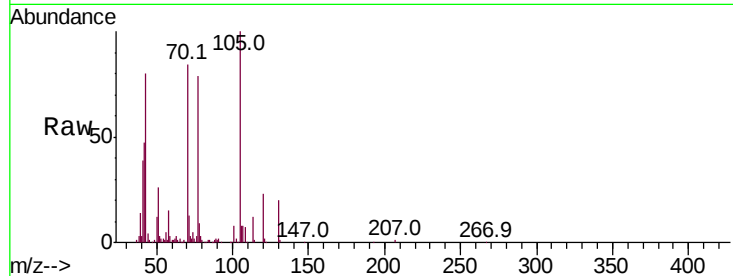
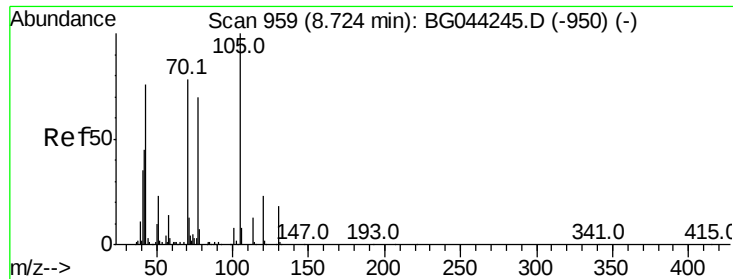
mohammad  
2/12/2020 9:49:34 AM



#18  
Hexachloroethane  
Concen: 38.455 ng  
RT: 8.99 min Scan# 1004  
Delta R.T. 0.00 min  
Lab File: BG044358.D  
Acq: 10 Feb 2020 16:03

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 117     | 100   |      |       |       |
| 119     | 93.6  | 77.5 | 116.3 |       |
| 201     | 102.9 | 84.9 | 127.3 |       |





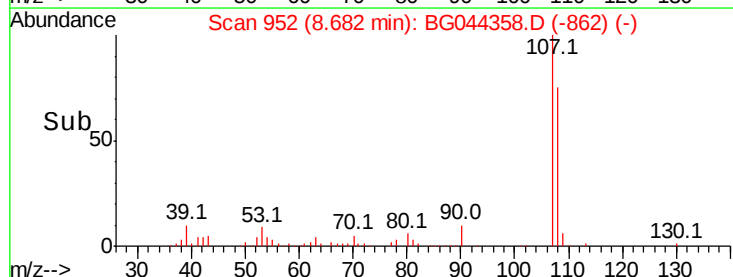
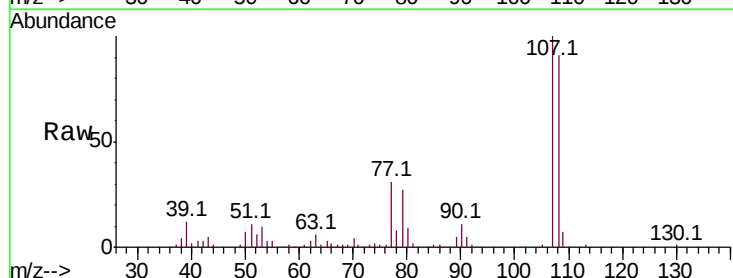
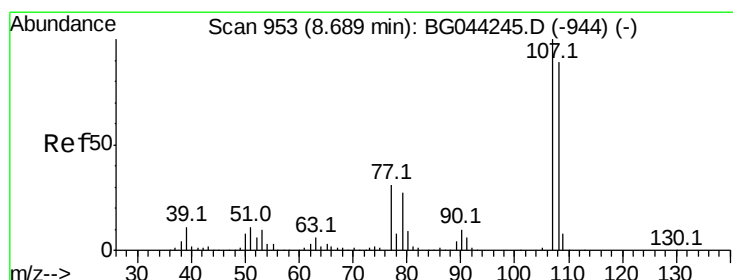
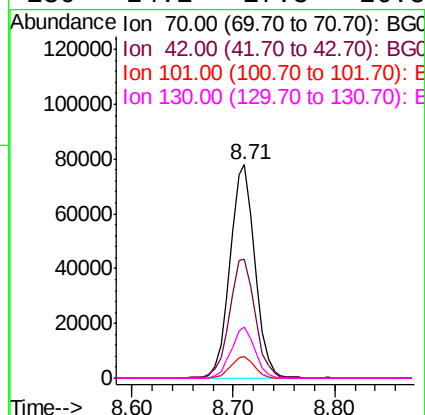
#19  
n-Nitroso-di-n-propylamine  
Concen: 40.478 ng  
RT: 8.71 min Scan# 957  
Delta R.T. 0.00 min  
Lab File: BG044358.D  
Acq: 10 Feb 2020 16:03

Instrument :  
BNA\_G  
ClientSampleId :  
PB126601BSD

| Tot Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 132242  | 70  | 100   |       |       |
|         | 42  | 55.8  | 46.2  | 69.2  |
|         | 101 | 10.1  | 8.4   | 12.6  |
|         | 130 | 24.1  | 17.8  | 26.8  |

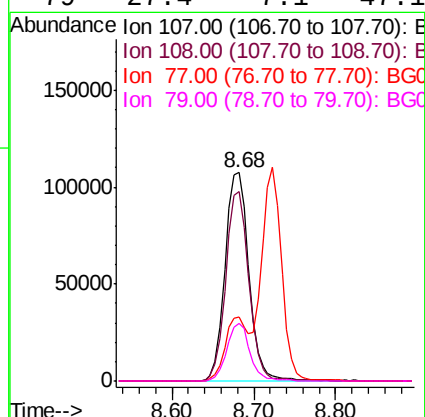
Manual Integrations  
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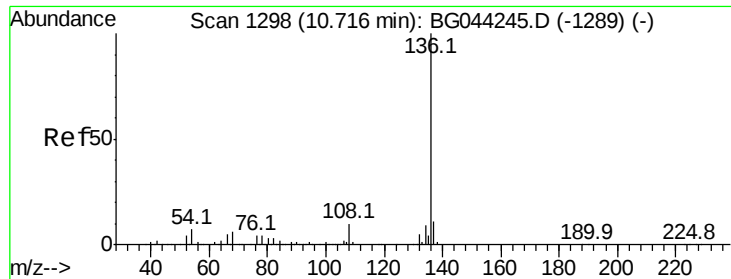
mohammad  
2/12/2020 9:49:34 AM



#20  
3+4-Methylphenols  
Concen: 45.987 ng  
RT: 8.68 min Scan# 952  
Delta R.T. 0.00 min  
Lab File: BG044358.D  
Acq: 10 Feb 2020 16:03

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 219373  | 107 | 100   |       |       |
|         | 108 | 91.2  | 68.5  | 108.5 |
|         | 77  | 30.8  | 10.9  | 50.9  |
|         | 79  | 27.4  | 7.1   | 47.1  |





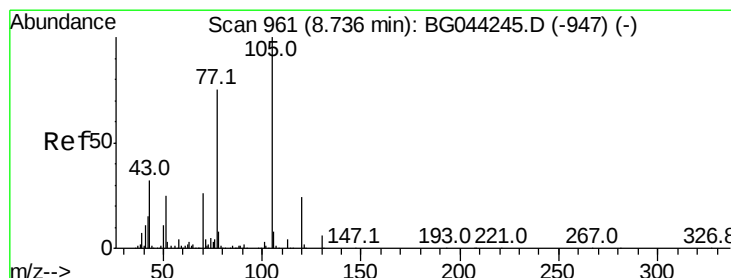
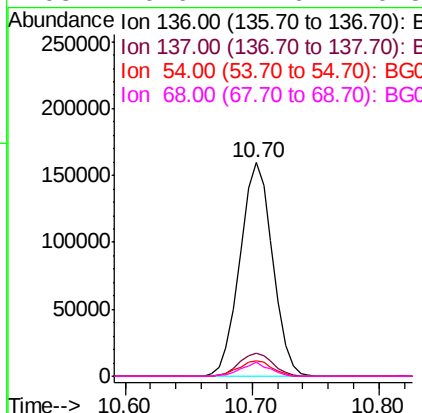
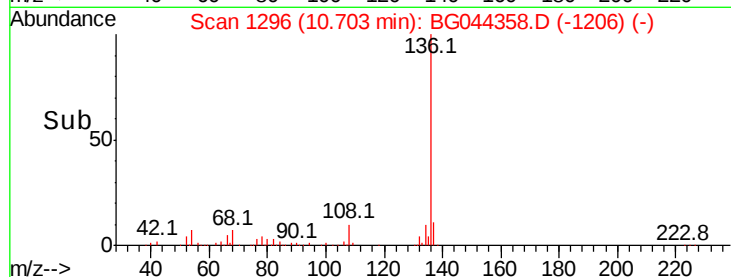
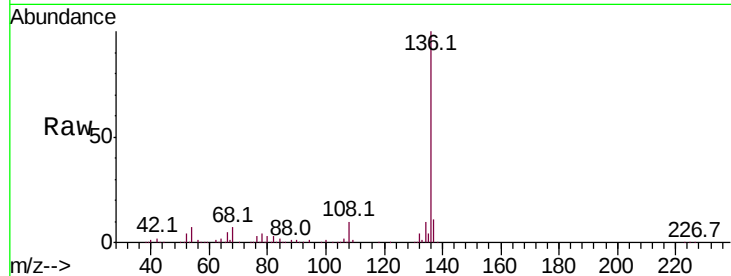
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.70 min Scan# 1296  
Delta R.T. 0.00 min  
Lab File: BG044358.D  
Acq: 10 Feb 2020 16:03

Instrument :  
BNA\_G  
ClientSampleId :  
PB126601BSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 136     | 100   | 284227 |       |       |
| 137     | 11.1  |        | 8.8   | 13.2  |
| 54      | 6.9   |        | 5.8   | 8.8   |
| 68      | 6.6   |        | 4.6   | 6.8   |

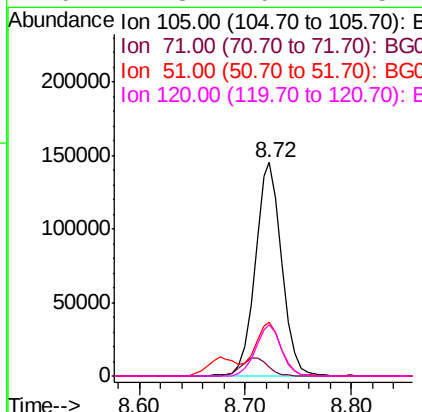
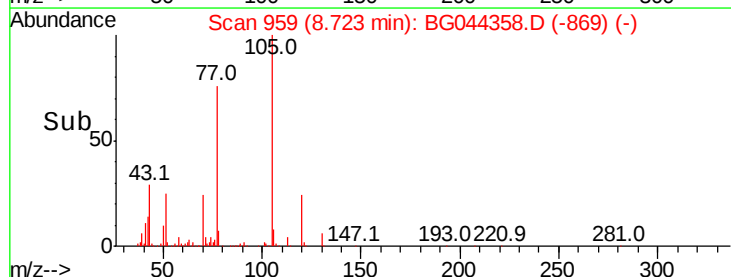
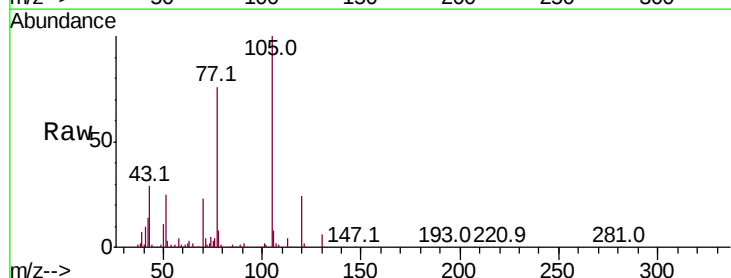
Manual Integrations  
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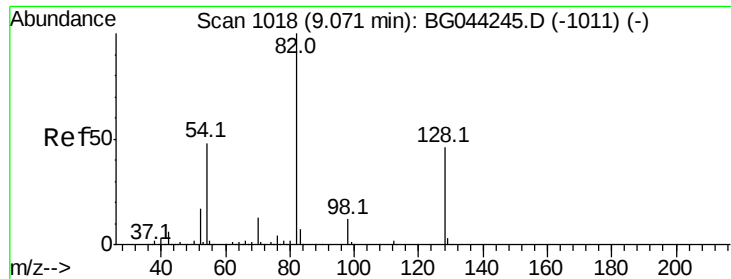
mohammad  
2/12/2020 9:49:34 AM



#22  
Acetophenone  
Concen: 36.500 ng  
RT: 8.72 min Scan# 959  
Delta R.T. 0.00 min  
Lab File: BG044358.D  
Acq: 10 Feb 2020 16:03

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 252373 |       |       |
| 71      | 4.1   |        | 3.4   | 5.0   |
| 51      | 24.9  |        | 20.2  | 30.4  |
| 120     | 24.3  |        | 19.1  | 28.7  |





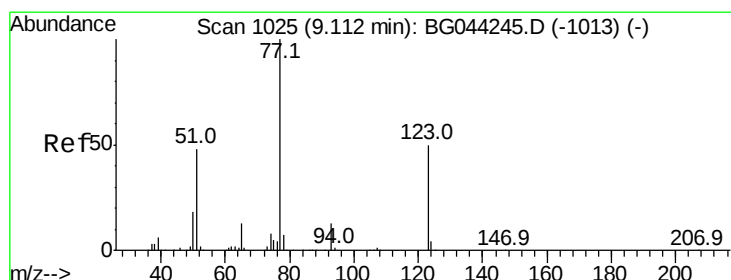
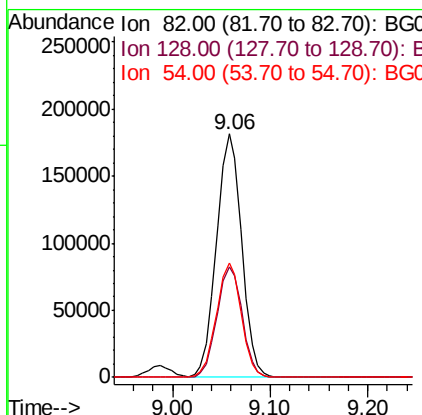
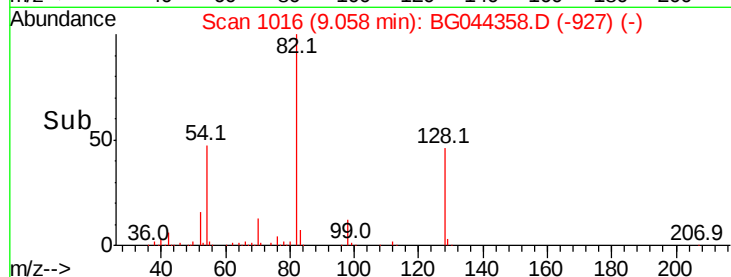
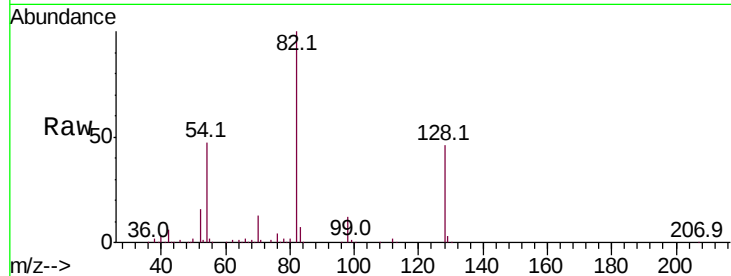
#23  
Nitrobenzene-d5  
Concen: 64.605 ng  
RT: 9.06 min Scan# 1016  
Delta R.T. -0.01 min  
Lab File: BG044358.D  
Acq: 10 Feb 2020 16:03

Instrument :  
BNA\_G  
ClientSampleId :  
PB126601BSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 45.6  | 36.5  | 54.7  |
| 54      | 47.2  | 38.6  | 58.0  |

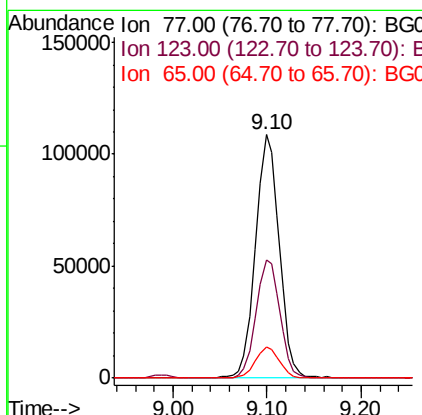
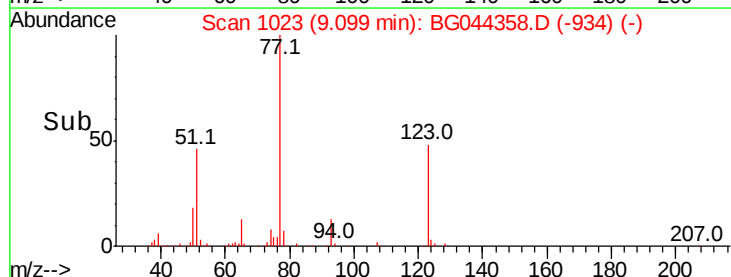
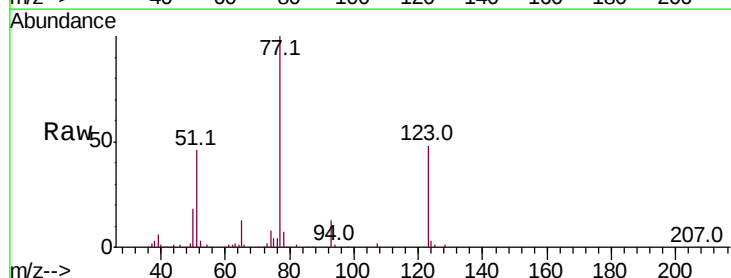
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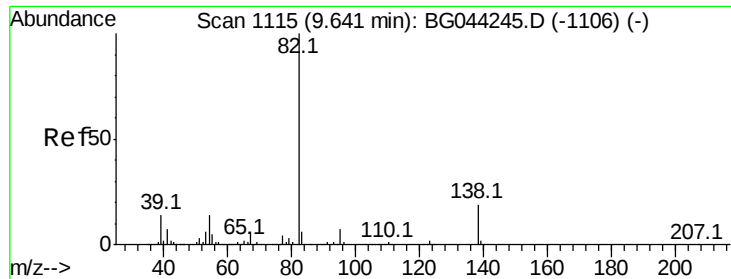
mohammad  
2/12/2020 9:49:34 AM



#24  
Nitrobenzene  
Concen: 38.627 ng  
RT: 9.10 min Scan# 1023  
Delta R.T. -0.01 min  
Lab File: BG044358.D  
Acq: 10 Feb 2020 16:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 48.3  | 39.9  | 59.9  |
| 65      | 12.5  | 10.4  | 15.6  |





#25

Isophorone

Concen: 39.587 ng

RT: 9.63 min Scan# 1113

Delta R.T. -0.01 min

Lab File: BG044358.D

Acq: 10 Feb 2020 16:03

Instrument :

BNA\_G

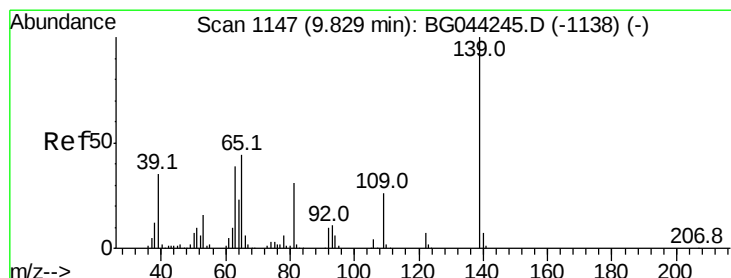
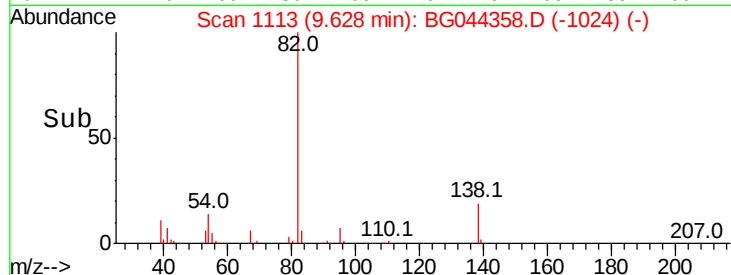
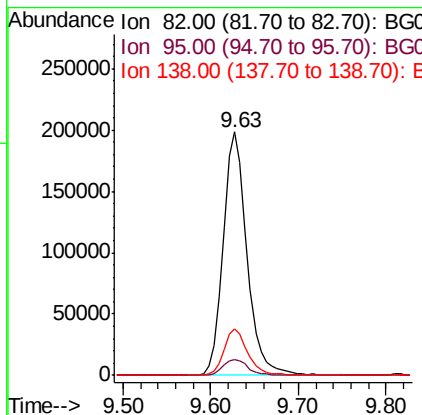
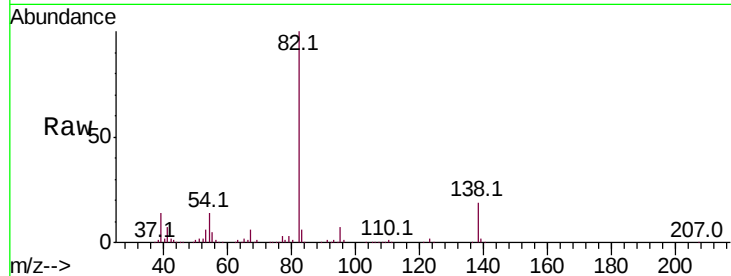
ClientSampleId :

PB126601BSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 82    | Resp: | 371471 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 95        | 6.7   | 5.7   | 8.5    |
| 138       | 19.1  | 15.0  | 22.4   |

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#26

2-Nitrophenol

Concen: 40.965 ng

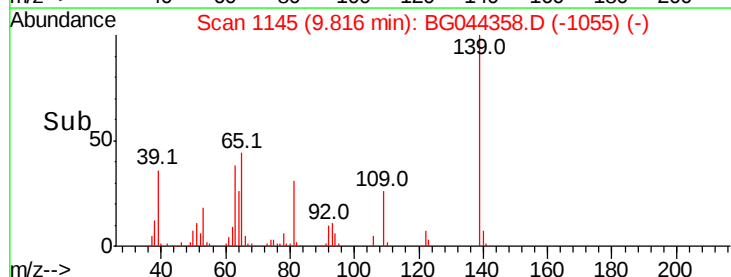
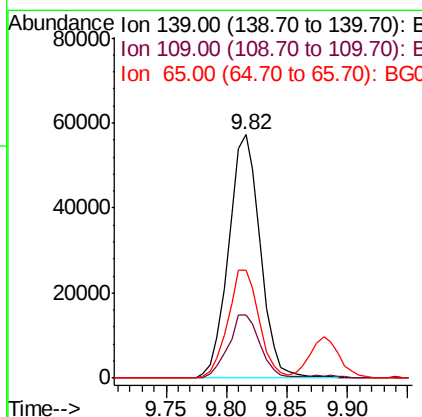
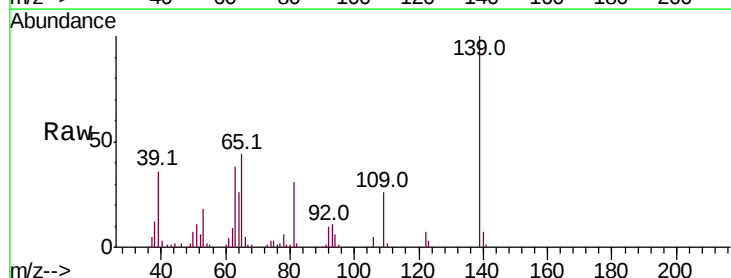
RT: 9.82 min Scan# 1145

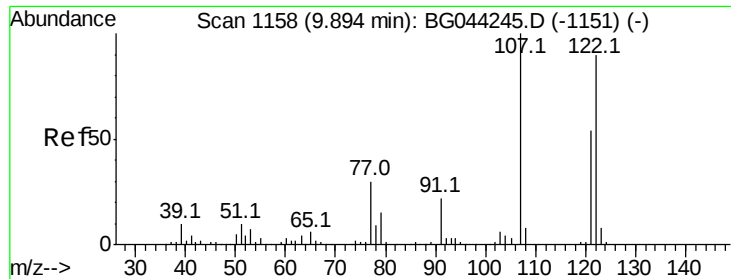
Delta R.T. 0.00 min

Lab File: BG044358.D

Acq: 10 Feb 2020 16:03

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 139   | Resp: | 104471 |
| Ion Ratio | Lower | Upper |        |
| 139       | 100   |       |        |
| 109       | 25.7  | 21.0  | 31.4   |
| 65        | 44.4  | 35.0  | 52.4   |





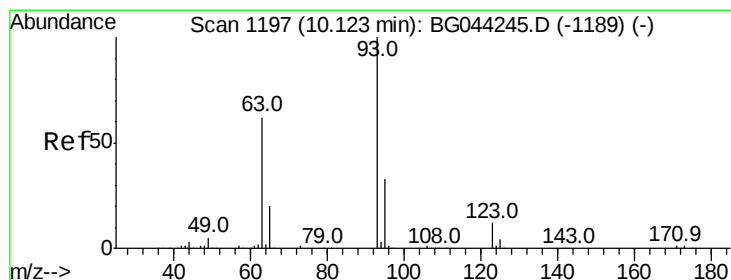
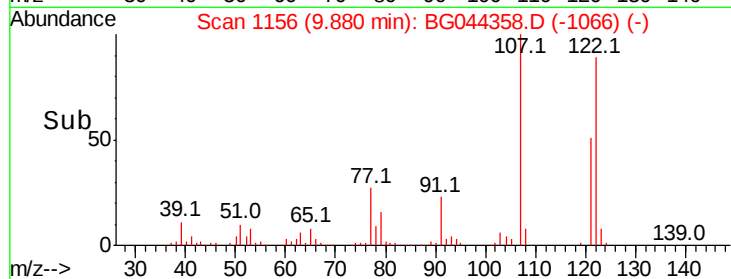
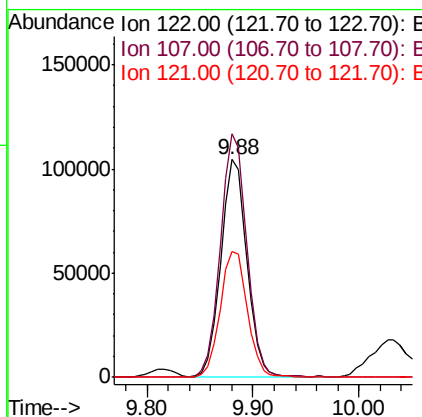
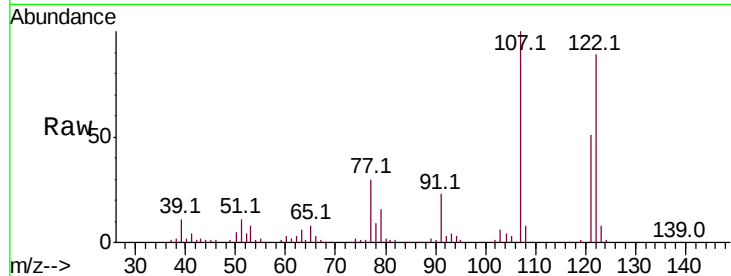
#27  
2,4-Dimethylphenol  
Concen: 49.673 ng  
RT: 9.88 min Scan# 1156  
Delta R.T. 0.00 min  
Lab File: BG044358.D  
Acq: 10 Feb 2020 16:03

Instrument :  
BNA\_G  
ClientSampleId :  
PB126601BSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 122     | 100   | 178821 |       |       |
| 107     | 111.8 | 88.8   | 133.2 |       |
| 121     | 57.5  | 48.3   | 72.5  |       |

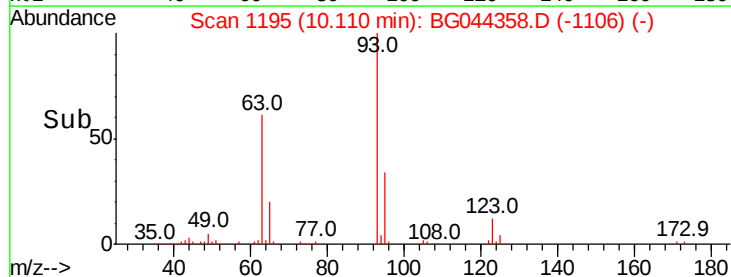
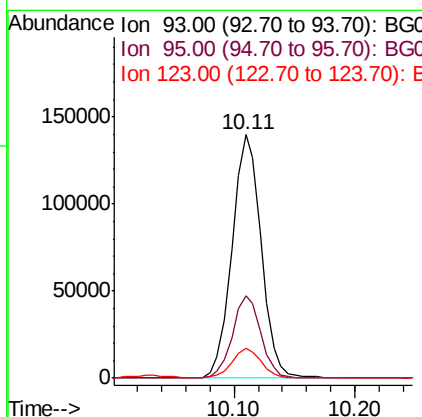
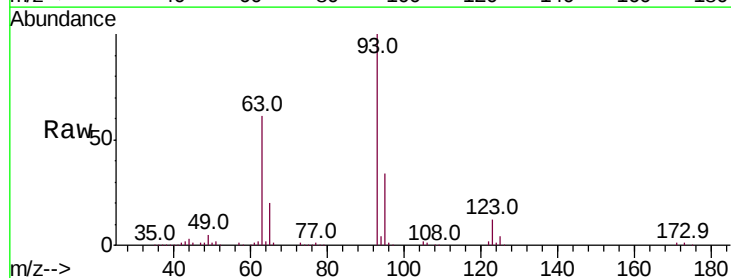
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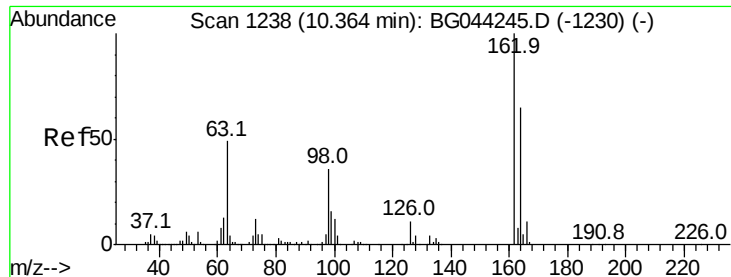
mohammad  
2/12/2020 9:49:34 AM



#28  
bis(2-Chloroethoxy)methane  
Concen: 37.401 ng  
RT: 10.11 min Scan# 1195  
Delta R.T. -0.01 min  
Lab File: BG044358.D  
Acq: 10 Feb 2020 16:03

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 93      | 100   | 234120 |       |       |
| 95      | 33.6  | 26.6   | 40.0  |       |
| 123     | 12.3  | 10.0   | 15.0  |       |





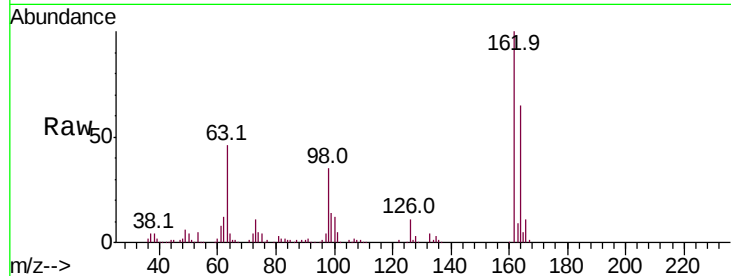
#29  
2,4-Dichlorophenol  
Concen: 43.249 ng  
RT: 10.36 min Scan# 1237  
Delta R.T. 0.00 min  
Lab File: BG044358.D  
Acq: 10 Feb 2020 16:03

Instrument :  
BNA\_G  
ClientSampleId :  
PB126601BSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 162     | 100   | 188261 |       |       |
| 164     | 64.7  |        | 44.7  | 84.7  |
| 98      | 34.5  |        | 15.8  | 55.8  |

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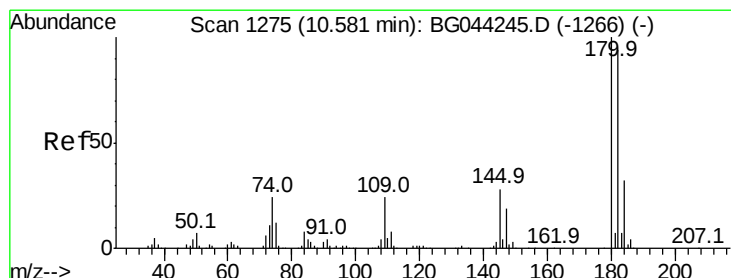
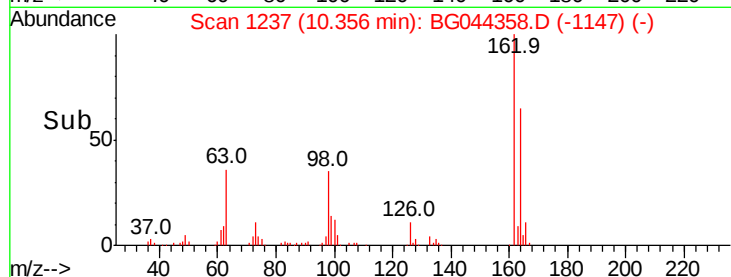
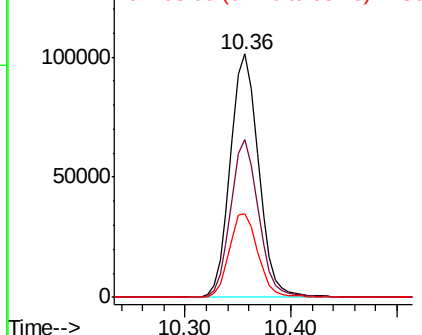


Abundance

Ion 162.00 (161.70 to 162.70): E

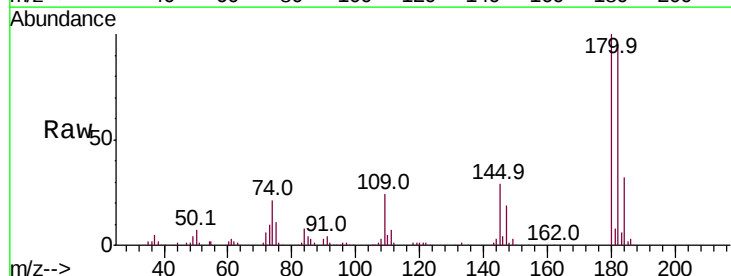
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BGC



#30  
1,2,4-Trichlorobenzene  
Concen: 37.219 ng  
RT: 10.57 min Scan# 1273  
Delta R.T. -0.01 min  
Lab File: BG044358.D  
Acq: 10 Feb 2020 16:03

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 185771 |       |       |
| 182     | 95.1  |        | 75.5  | 113.3 |
| 145     | 29.2  |        | 22.6  | 34.0  |

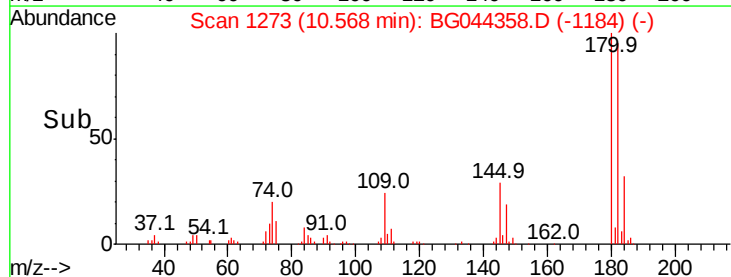
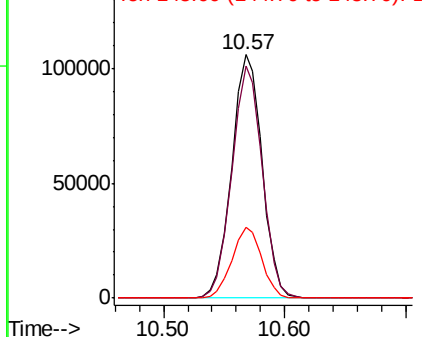


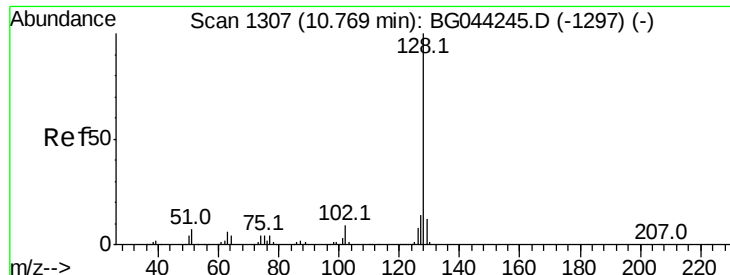
Abundance

Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





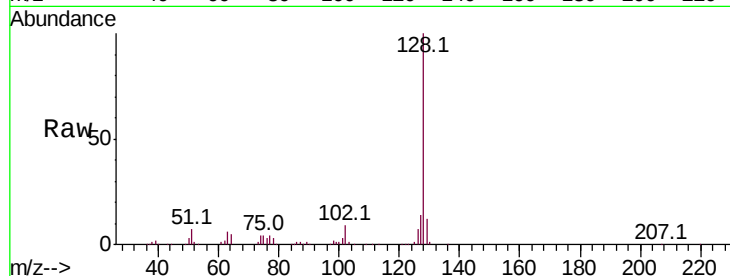
#31  
Naphthalene  
Concen: 39.925 ng  
RT: 10.75 min Scan# 1304  
Delta R.T. -0.01 min  
Lab File: BG044358.D  
Acq: 10 Feb 2020 16:03

Instrument :  
BNA\_G  
ClientSampleId :  
PB126601BSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 128     | 100   |      |       |       |
| 129     | 11.8  | 9.3  | 13.9  |       |
| 127     | 14.3  | 11.6 | 17.4  |       |

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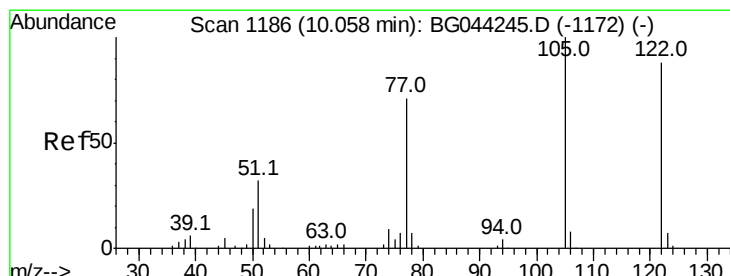
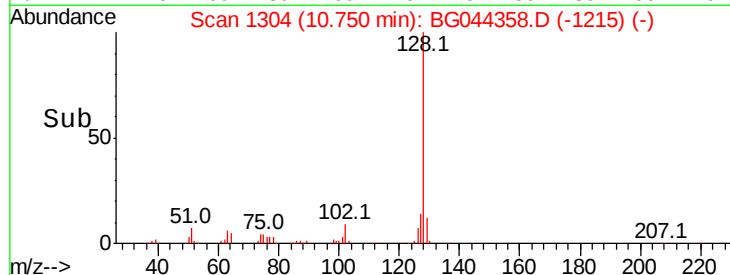
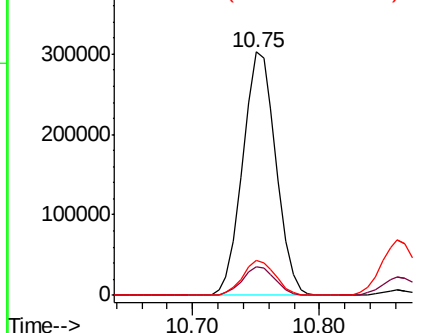


Abundance

Ion 128.00 (127.70 to 128.70): E

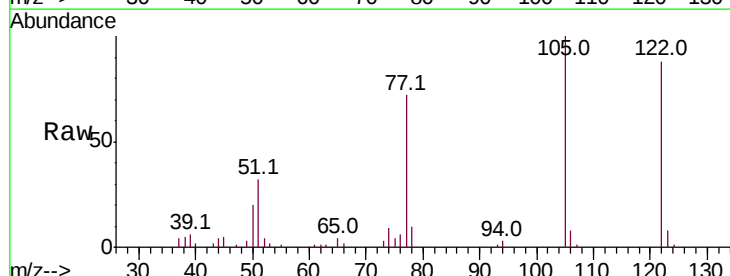
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32  
Benzoic acid  
Concen: 31.078 ng  
RT: 10.03 min Scan# 1181  
Delta R.T. -0.02 min  
Lab File: BG044358.D  
Acq: 10 Feb 2020 16:03

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 122     | 100   |      |       |       |
| 105     | 114.3 | 93.5 | 133.5 |       |
| 77      | 82.0  | 61.0 | 101.0 |       |

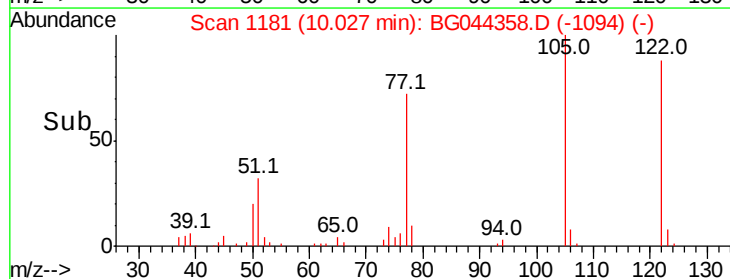
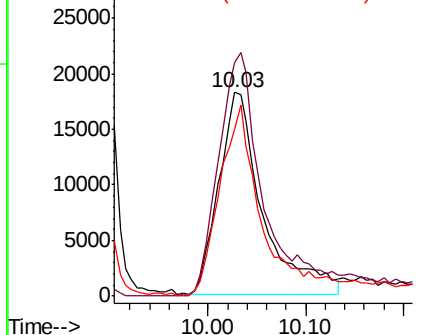


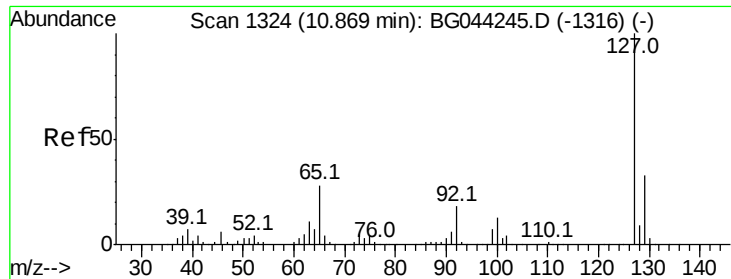
Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGO





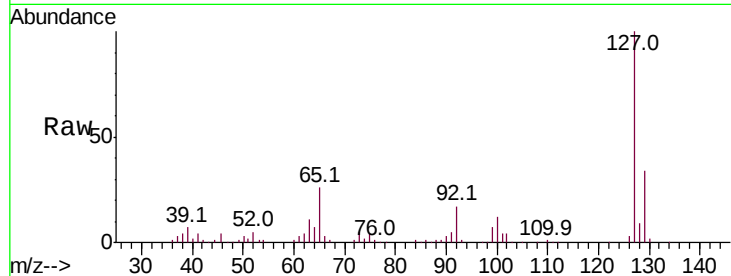
#33  
4-Chloroaniline  
Concen: 21.987 ng  
RT: 10.86 min Scan# 1323  
Delta R.T. 0.00 min  
Lab File: BG044358.D  
Acq: 10 Feb 2020 16:03

Instrument :  
BNA\_G  
ClientSampleId :  
PB126601BSD

| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 127     | 100  |       |      |       |       |
| 129     | 34.1 | 26.6  | 40.0 |       |       |
| 65      | 25.8 | 22.5  | 33.7 |       |       |
| 92      | 17.4 | 14.1  | 21.1 |       |       |

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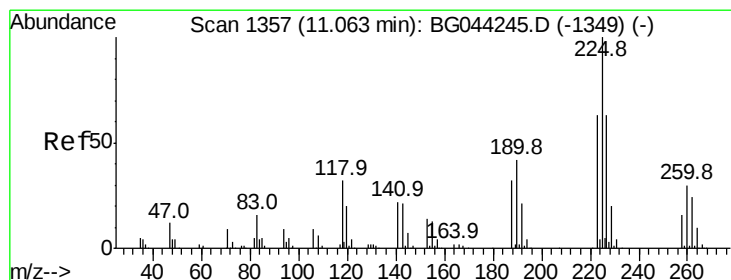
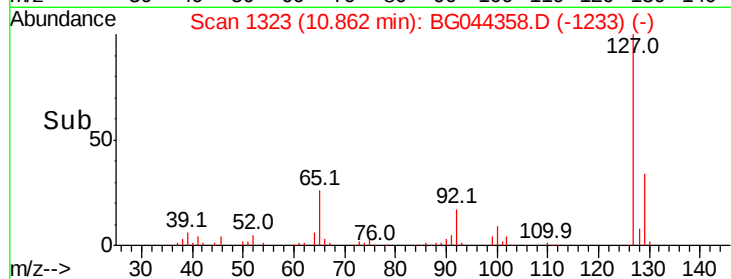
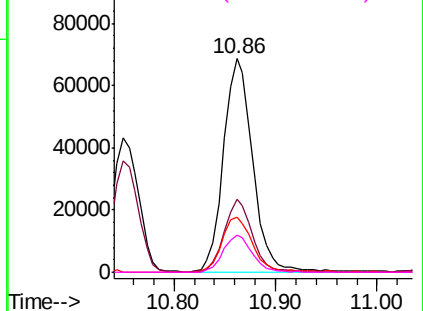
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

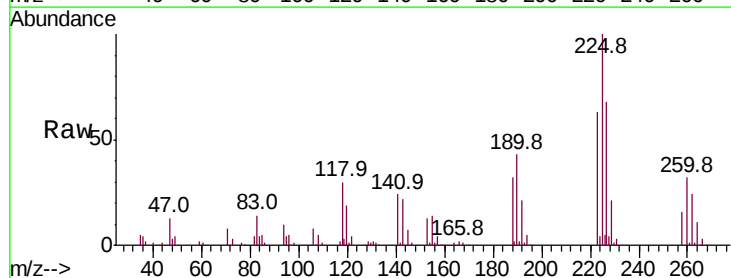
Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC



#34  
Hexachlorobutadiene  
Concen: 35.028 ng  
RT: 11.05 min Scan# 1355  
Delta R.T. 0.00 min  
Lab File: BG044358.D  
Acq: 10 Feb 2020 16:03

| Tgt Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 225     | 100  |       |      |       |       |
| 223     | 62.9 | 50.2  | 75.4 |       |       |
| 227     | 68.2 | 50.8  | 76.2 |       |       |

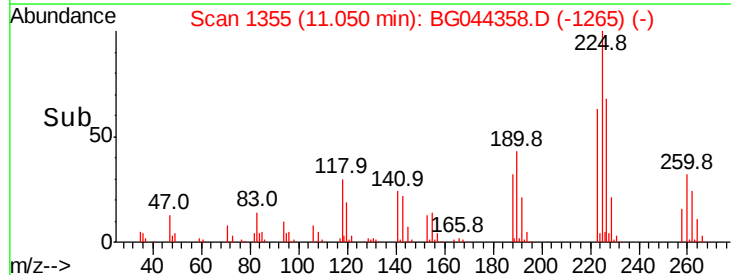
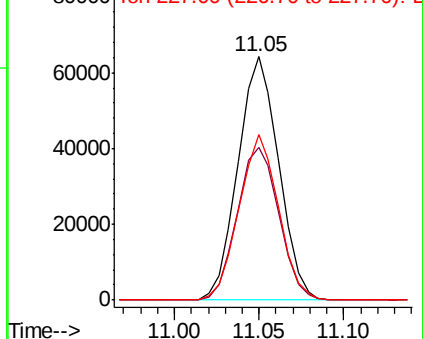


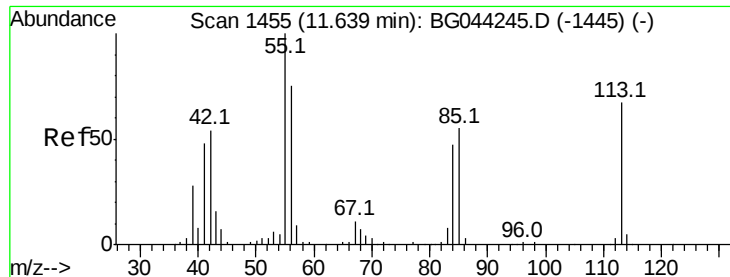
Abundance

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





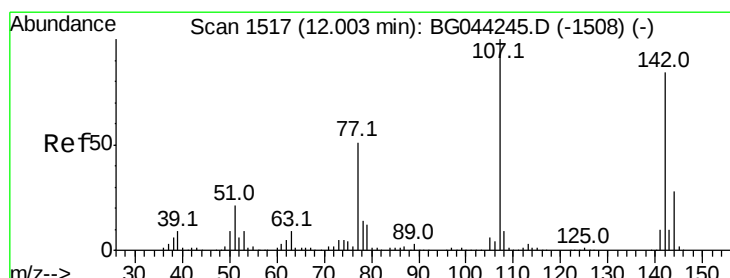
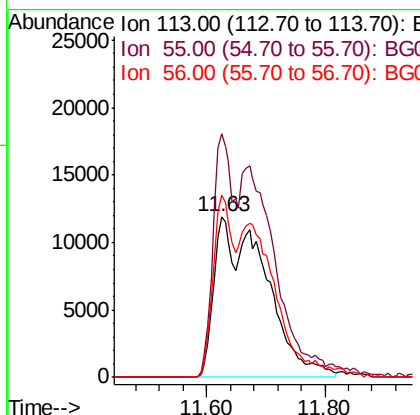
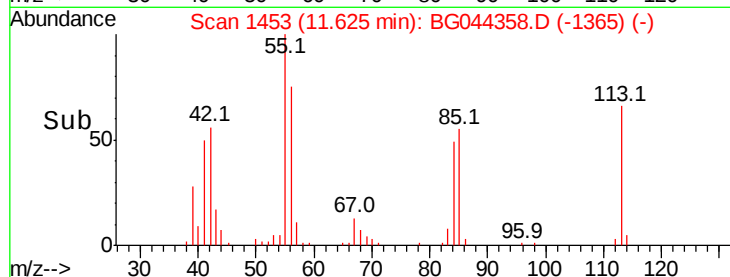
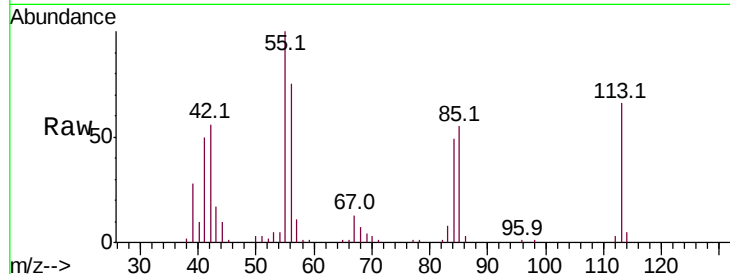
#35  
 Caprolactam  
 Concen: 44.838 ng/ml  
 RT: 11.63 min Scan# 1453  
 Delta R.T. -0.01 min  
 Lab File: BG044358.D  
 Acq: 10 Feb 2020 16:03

Instrument :  
 BNA\_G  
 ClientSampleID :  
 PB126601BSD

Tot Ion:113 Resp: 71497  
 Ion Ratio Lower Upper  
 113 100  
 55 151.7 129.9 169.9  
 56 113.4 92.5 132.5

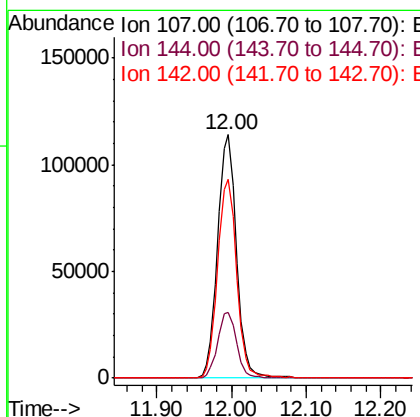
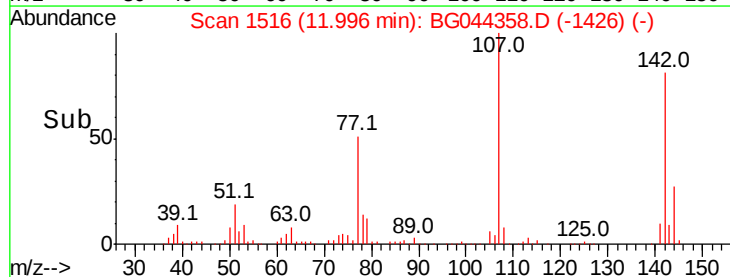
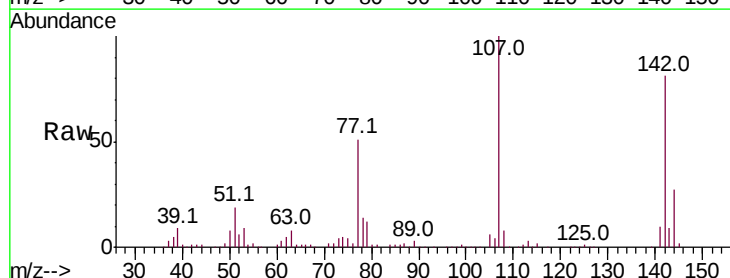
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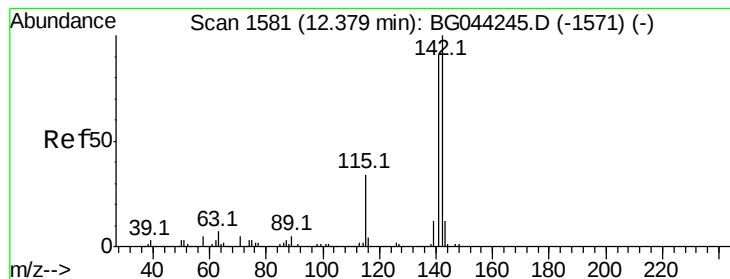
mohammad  
 2/12/2020 9:49:34 AM



#36  
 4-Chloro-3-methylphenol  
 Concen: 43.926 ng/ml  
 RT: 12.00 min Scan# 1516  
 Delta R.T. 0.00 min  
 Lab File: BG044358.D  
 Acq: 10 Feb 2020 16:03

Tgt Ion:107 Resp: 200473  
 Ion Ratio Lower Upper  
 107 100  
 144 26.9 22.2 33.4  
 142 81.4 67.4 101.0





#37

2-Methylnaphthalene

Concen: 40.710 ng

RT: 12.37 min Scan# 1579

Delta R.T. 0.00 min

Lab File: BG044358.D

Acq: 10 Feb 2020 16:03

Instrument :

BNA\_G

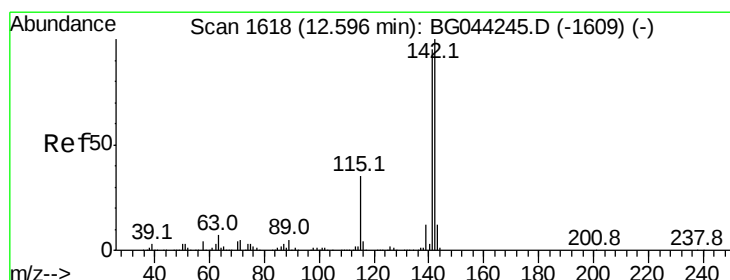
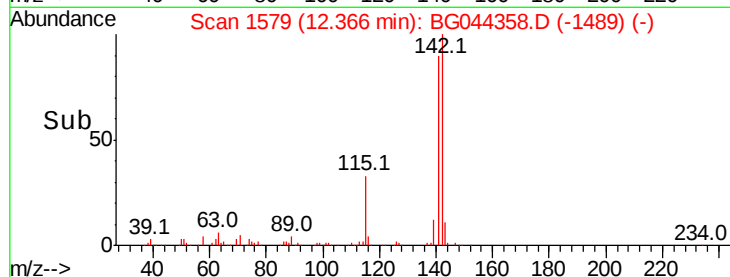
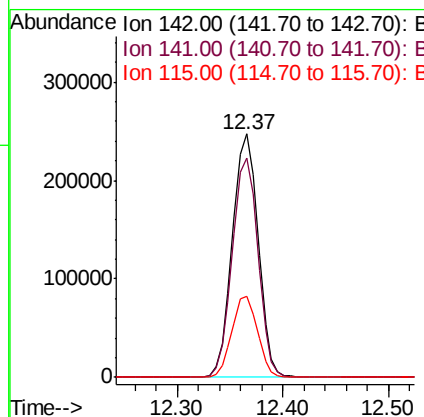
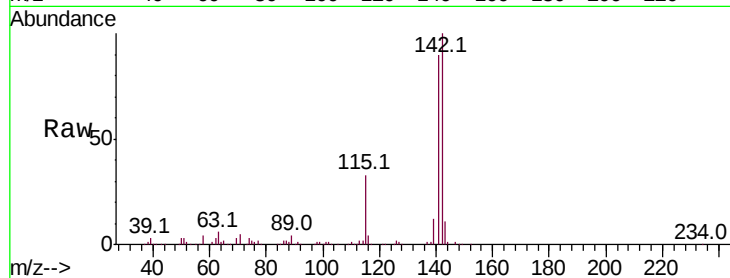
ClientSampleId :

PB126601BSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 90.1  | 73.2  | 109.8 |
| 115     | 33.2  | 27.1  | 40.7  |

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#38

1-Methylnaphthalene

Concen: 41.251 ng

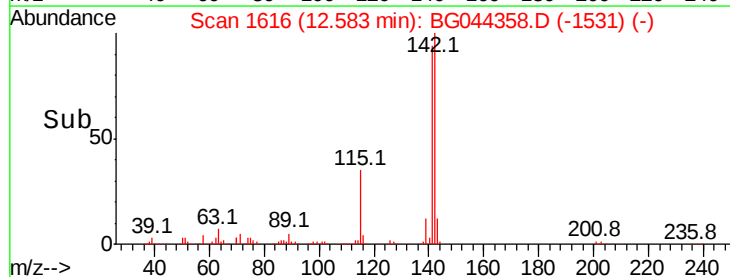
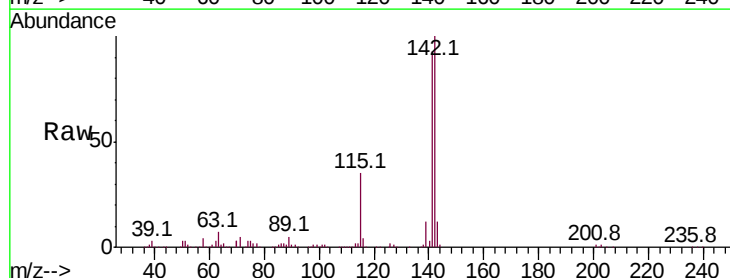
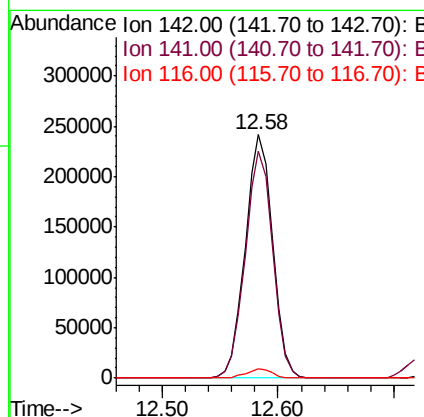
RT: 12.58 min Scan# 1616

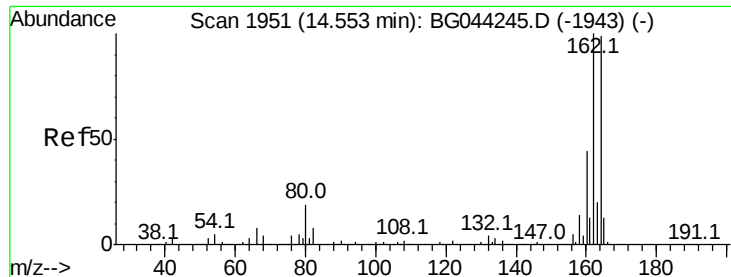
Delta R.T. 0.00 min

Lab File: BG044358.D

Acq: 10 Feb 2020 16:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 93.4  | 75.8  | 113.6 |
| 116     | 3.6   | 3.1   | 4.7   |





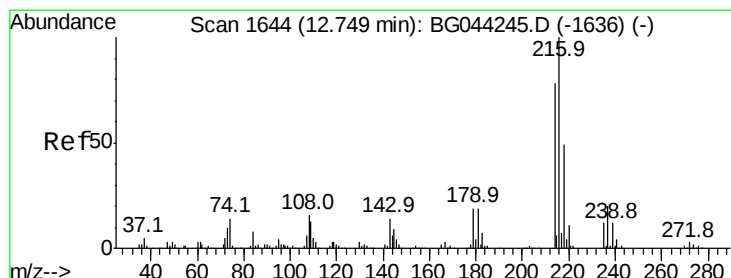
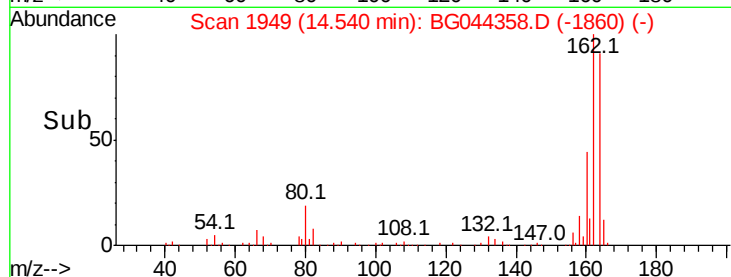
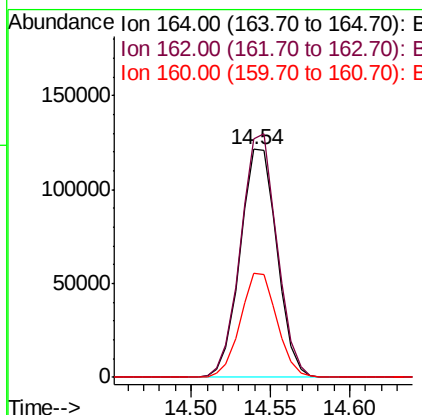
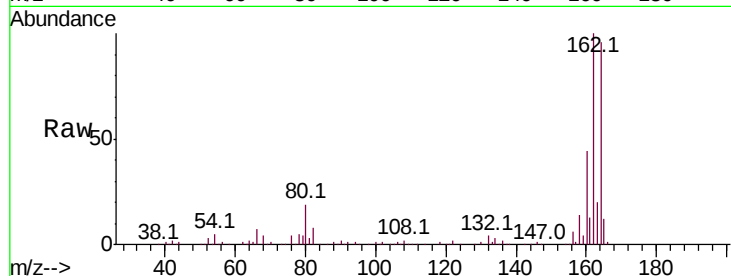
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.54 min Scan# 1949  
Delta R.T. -0.01 min  
Lab File: BG044358.D  
Acq: 10 Feb 2020 16:03

Instrument :  
BNA\_G  
ClientSampleId :  
PB126601BSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 104.6 | 80.7  | 121.1 |
| 160     | 45.6  | 35.3  | 52.9  |

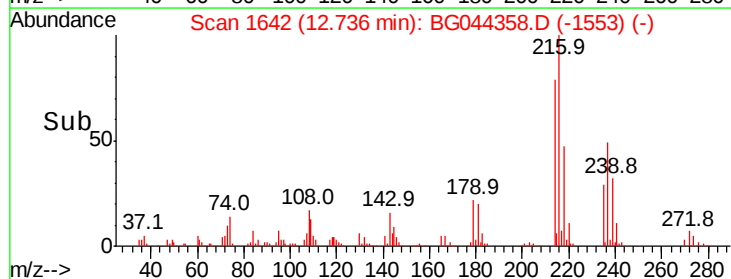
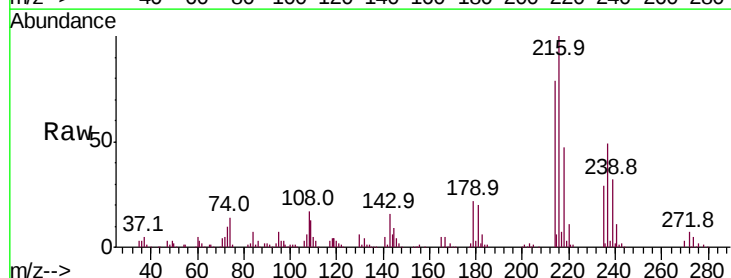
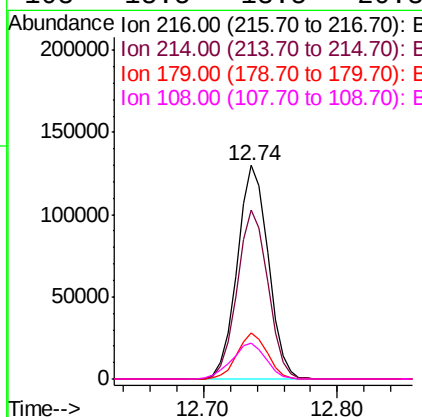
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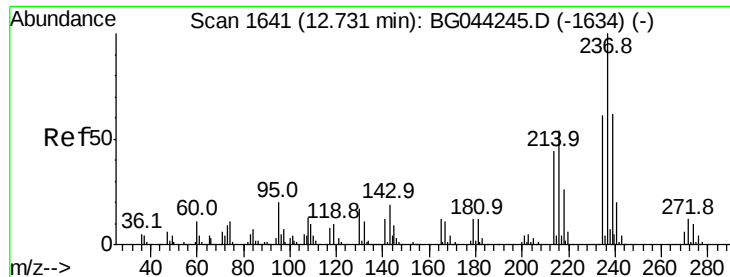
mohammad  
2/12/2020 9:49:34 AM



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 35.625 ng  
RT: 12.74 min Scan# 1642  
Delta R.T. -0.01 min  
Lab File: BG044358.D  
Acq: 10 Feb 2020 16:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 216     | 100   |       |       |
| 214     | 78.5  | 63.0  | 94.6  |
| 179     | 20.9  | 16.2  | 24.4  |
| 108     | 18.5  | 13.5  | 20.3  |





#41

Hexachlorocyclopentadiene

Concen: 90.318 ng

RT: 12.72 min Scan# 1640

Delta R.T. 0.00 min

Lab File: BG044358.D

Acq: 10 Feb 2020 16:03

Instrument :

BNA\_G

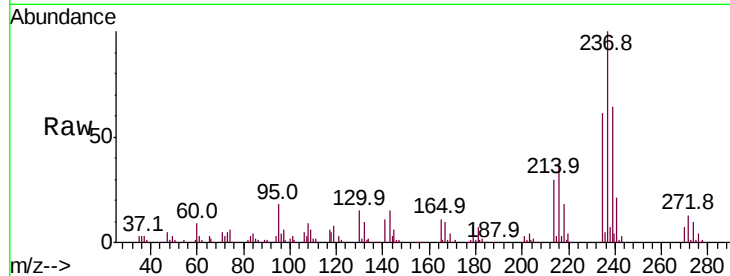
ClientSampleId :

PB126601BSD

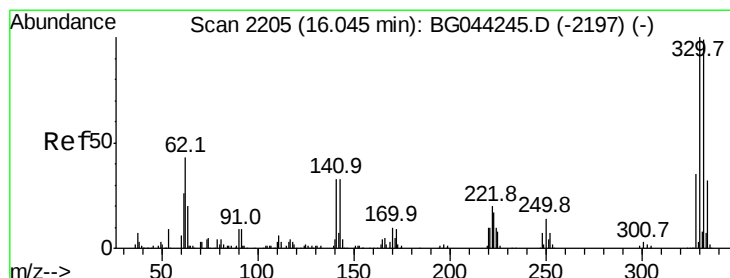
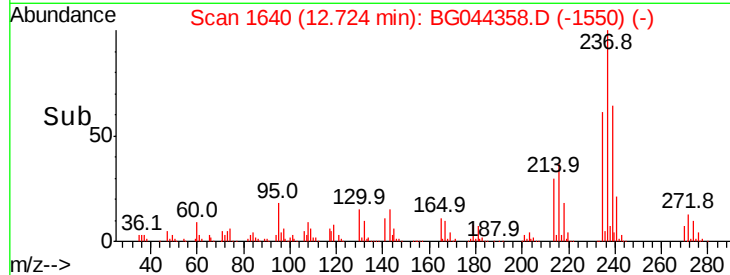
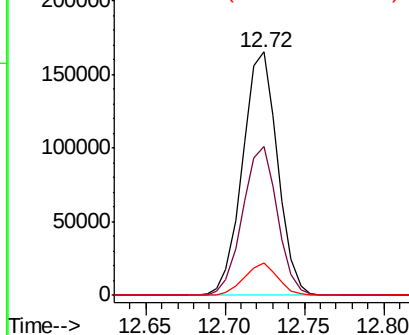
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 237   | Resp: | 253182 |
| Ion Ratio | Lower | Upper |        |
| 237       | 100   |       |        |
| 235       | 61.3  | 41.2  | 81.2   |
| 272       | 13.2  | 0.0   | 32.4   |

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Abundance Ion 236.80 (236.50 to 237.50): E  
Ion 234.90 (234.60 to 235.60): E  
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 122.504 ng

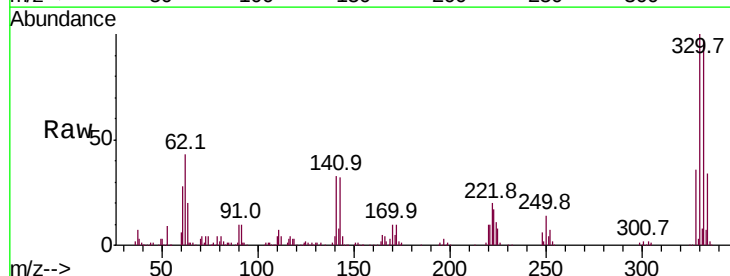
RT: 16.03 min Scan# 2203

Delta R.T. 0.00 min

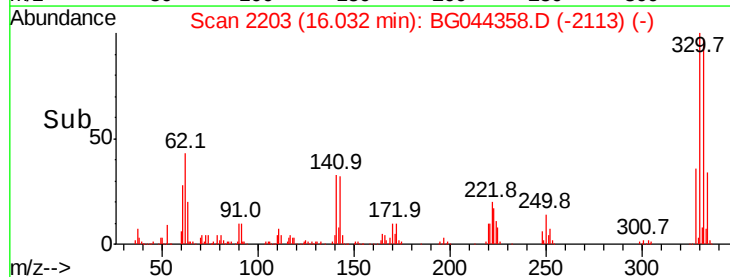
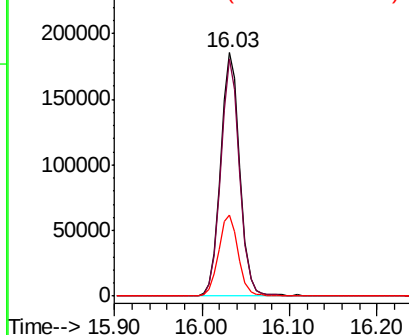
Lab File: BG044358.D

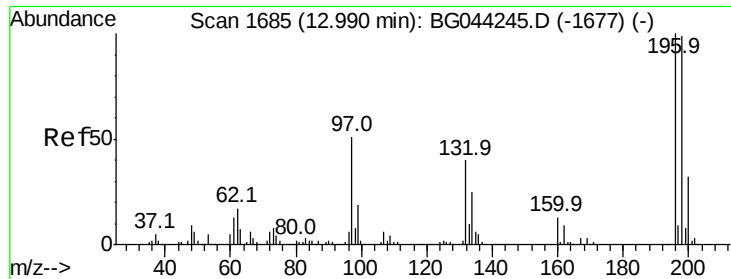
Acq: 10 Feb 2020 16:03

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 330   | Resp: | 280870 |
| Ion Ratio | Lower | Upper |        |
| 330       | 100   |       |        |
| 332       | 95.4  | 77.2  | 115.8  |
| 141       | 34.2  | 28.3  | 42.5   |



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





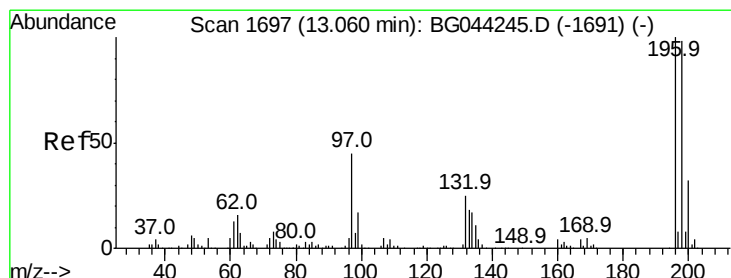
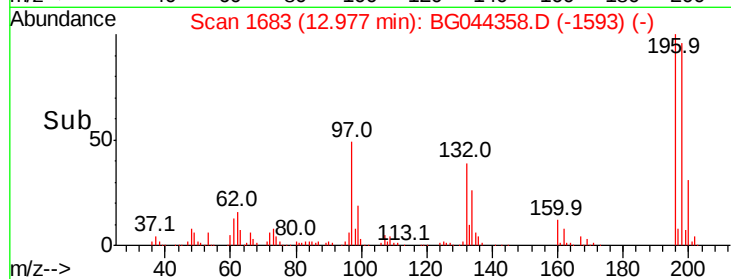
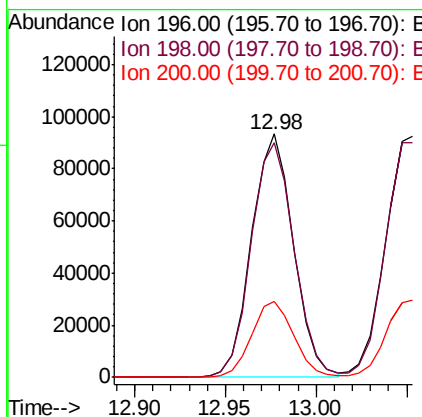
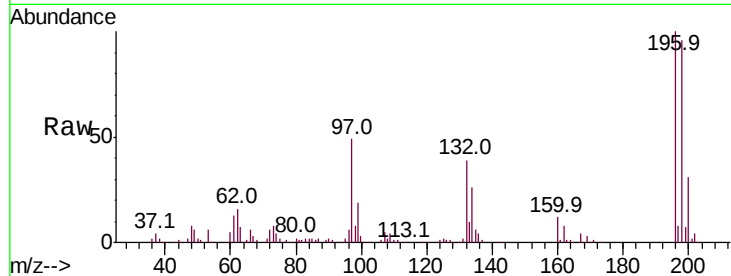
#43  
 2,4,6-Trichlorophenol  
 Concen: 40.028 ng  
 RT: 12.98 min Scan# 1683  
 Delta R.T. 0.00 min  
 Lab File: BG044358.D  
 Acq: 10 Feb 2020 16:03

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB126601BSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 151155 |       |       |
| 198     | 96.2  | 79.3   | 118.9 |       |
| 200     | 31.2  | 25.7   | 38.5  |       |

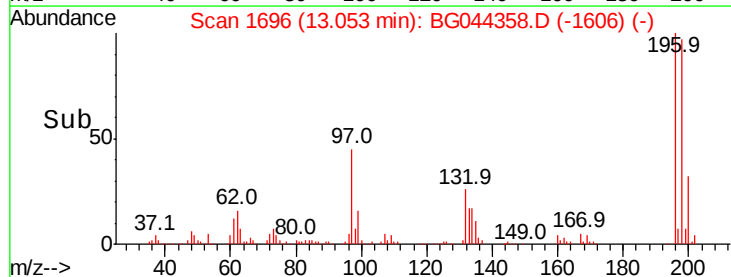
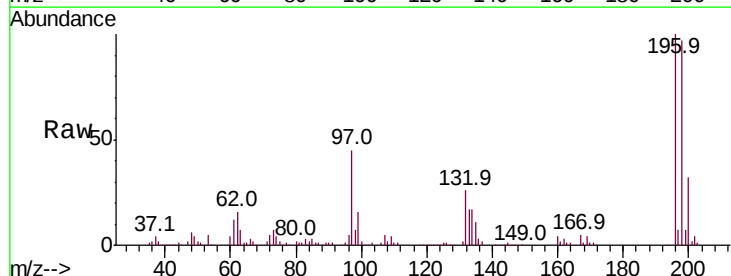
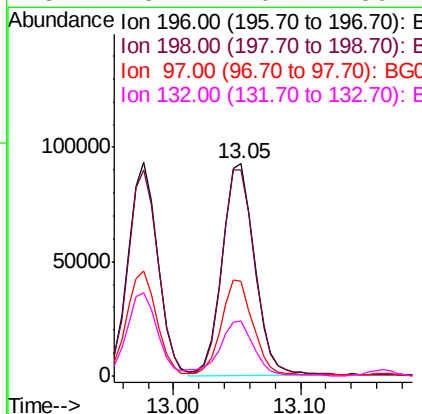
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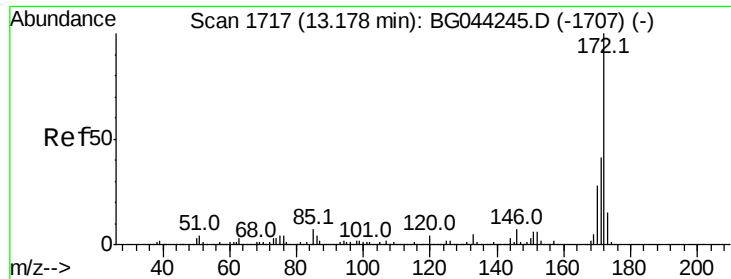
mohammad  
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#44  
 2,4,5-Trichlorophenol  
 Concen: 42.518 ng  
 RT: 13.05 min Scan# 1696  
 Delta R.T. 0.00 min  
 Lab File: BG044358.D  
 Acq: 10 Feb 2020 16:03

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 163992 |       |       |
| 198     | 97.0  | 78.2   | 117.2 |       |
| 97      | 44.6  | 36.2   | 54.4  |       |
| 132     | 25.7  | 20.2   | 30.4  |       |





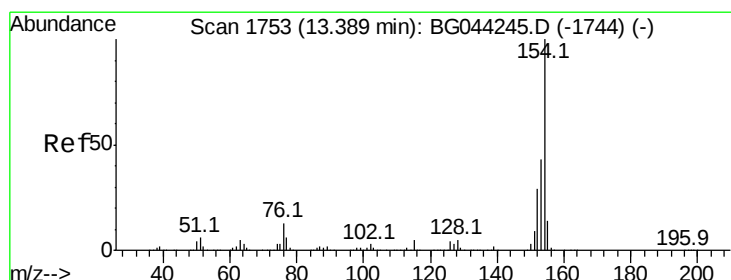
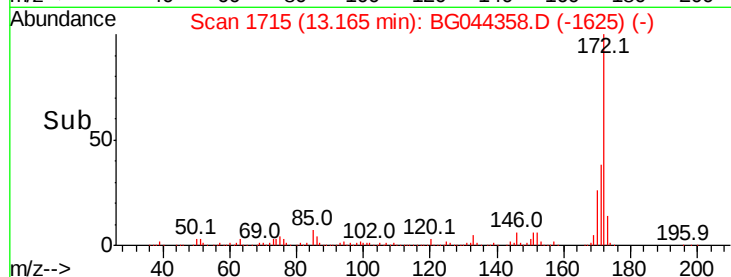
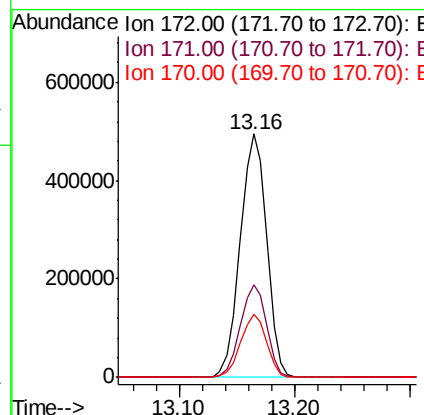
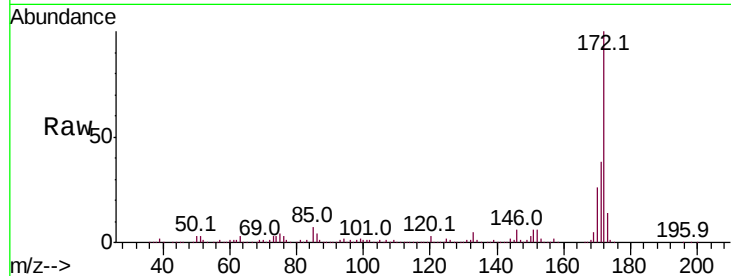
#45  
 2-Fluorobiphenyl  
 Concen: 67.147 ng  
 RT: 13.16 min Scan# 1715  
 Delta R.T. 0.00 min  
 Lab File: BG044358.D  
 Acq: 10 Feb 2020 16:03

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB126601BSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 172     | 100   | 783136 |       |       |
| 171     | 38.0  |        | 32.9  | 49.3  |
| 170     | 26.2  |        | 22.0  | 33.0  |

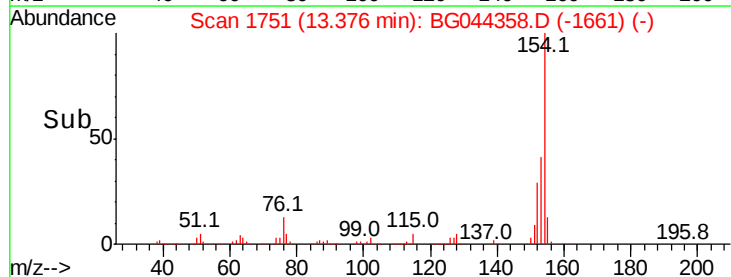
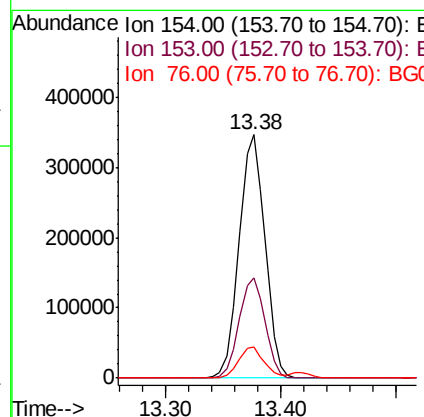
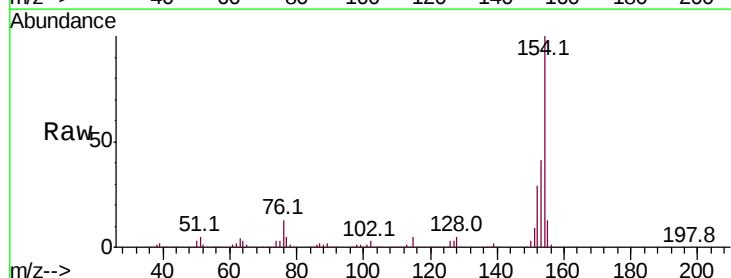
Manual Integrations  
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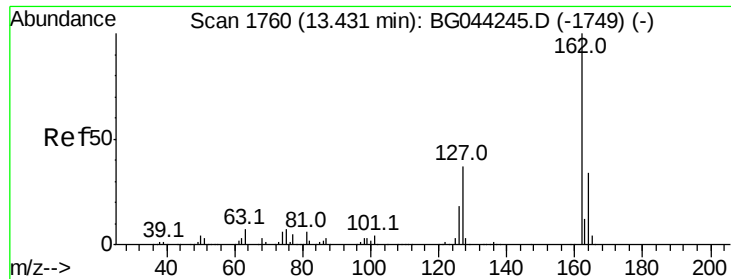
mohammad  
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#46  
 1,1'-Biphenyl  
 Concen: 38.065 ng  
 RT: 13.38 min Scan# 1751  
 Delta R.T. 0.00 min  
 Lab File: BG044358.D  
 Acq: 10 Feb 2020 16:03

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 154     | 100   | 536239 |       |       |
| 153     | 40.9  |        | 22.7  | 62.7  |
| 76      | 12.6  |        | 0.0   | 32.9  |





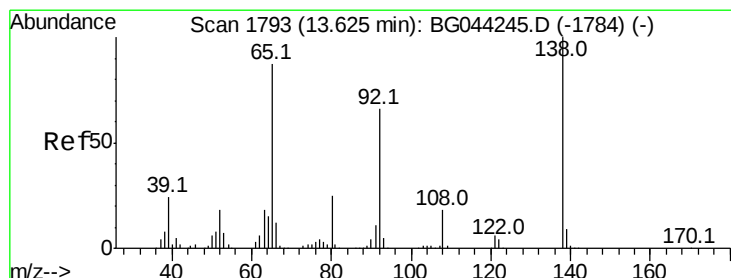
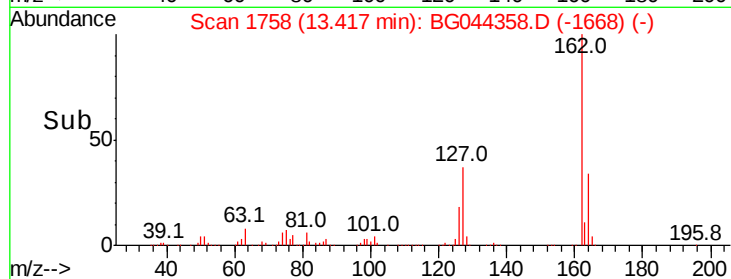
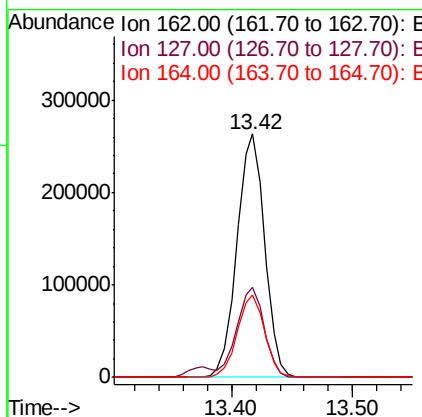
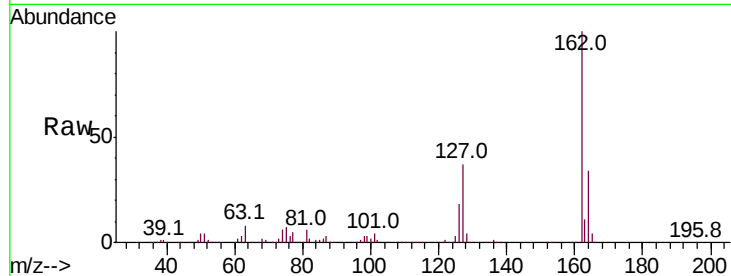
#47  
2-Chloronaphthalene  
Concen: 37.491 ng  
RT: 13.42 min Scan# 1758  
Delta R.T. 0.00 min  
Lab File: BG044358.D  
Acq: 10 Feb 2020 16:03

Instrument :  
BNA\_G  
ClientSampleId :  
PB126601BSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 36.8  | 30.0  | 45.0  |
| 164     | 33.9  | 27.2  | 40.8  |

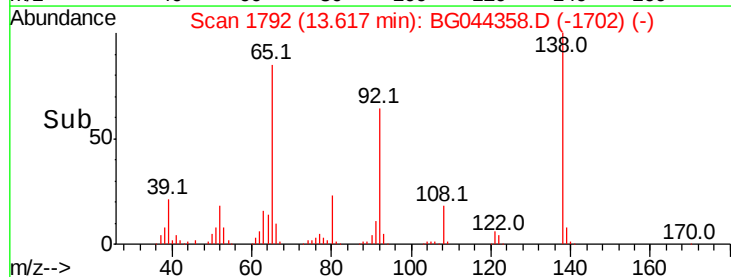
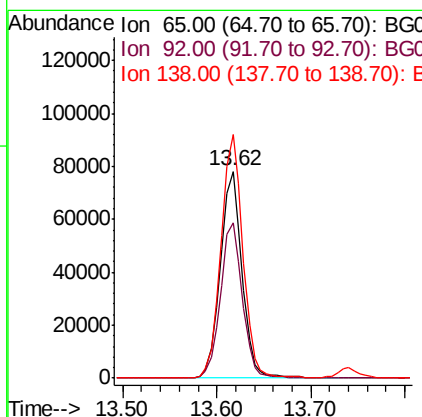
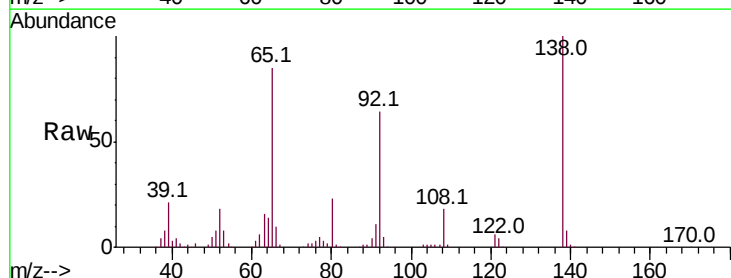
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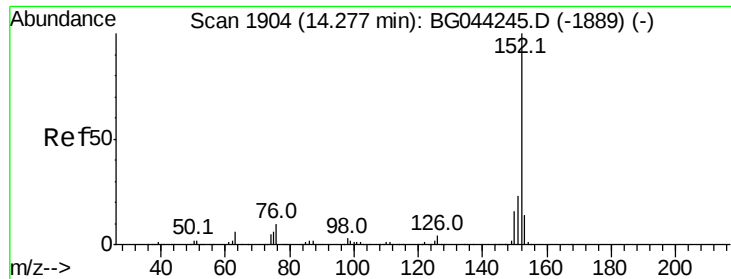
mohammad  
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#48  
2-Nitroaniline  
Concen: 37.979 ng  
RT: 13.62 min Scan# 1792  
Delta R.T. 0.00 min  
Lab File: BG044358.D  
Acq: 10 Feb 2020 16:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 75.0  | 60.3  | 90.5  |
| 138     | 117.9 | 91.9  | 137.9 |





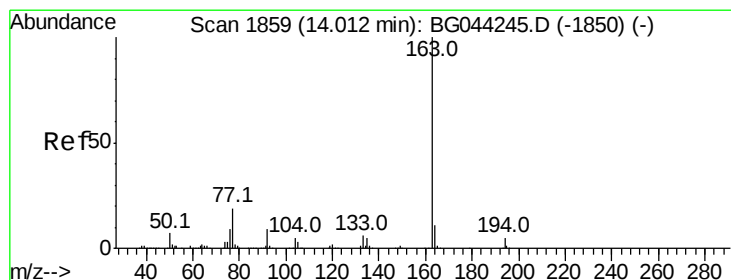
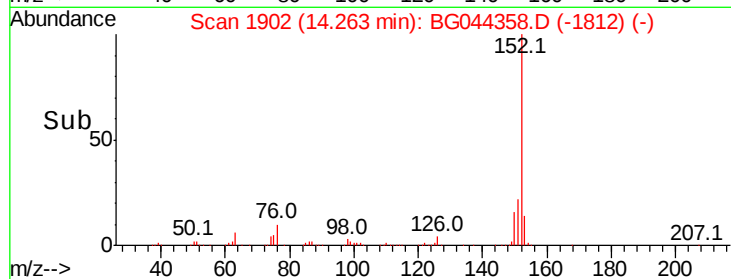
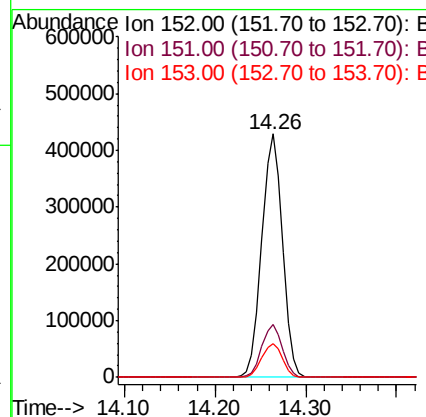
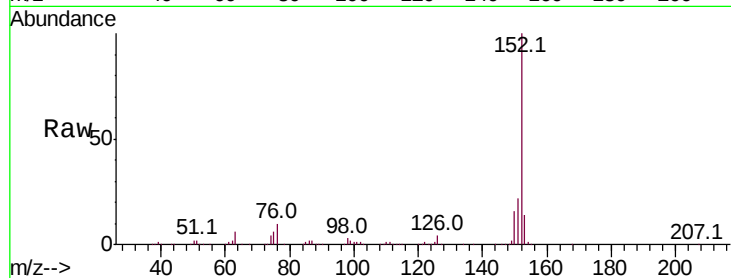
#49  
Acenaphthylene  
Concen: 41.395 ng  
RT: 14.26 min Scan# 1902  
Delta R.T. 0.00 min  
Lab File: BG044358.D  
Acq: 10 Feb 2020 16:03

Instrument :  
BNA\_G  
ClientSampleId :  
PB126601BSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 152     | 100   | 680630 |       |       |
| 151     | 22.0  |        | 18.1  | 27.1  |
| 153     | 14.0  |        | 11.5  | 17.3  |

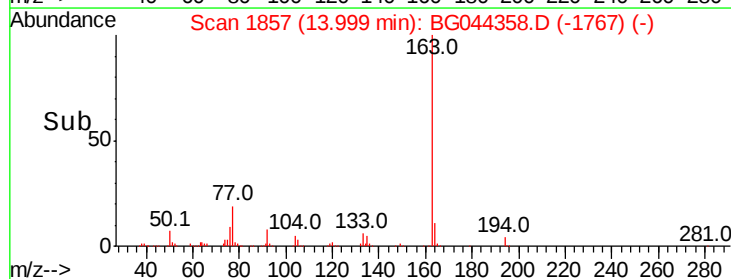
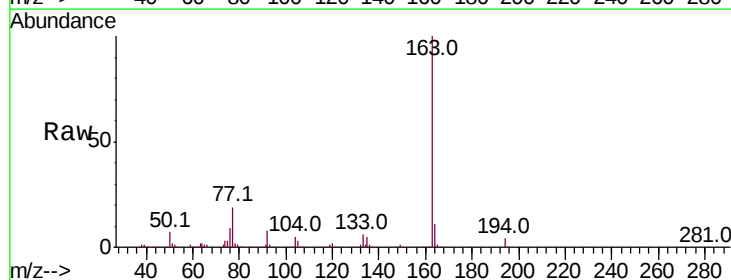
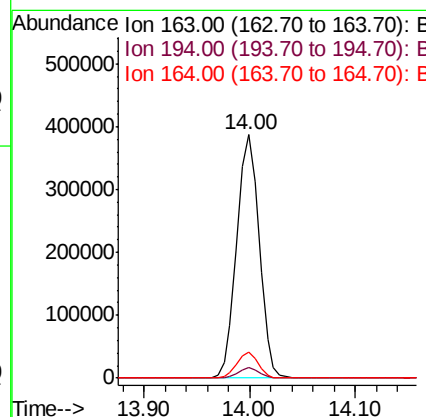
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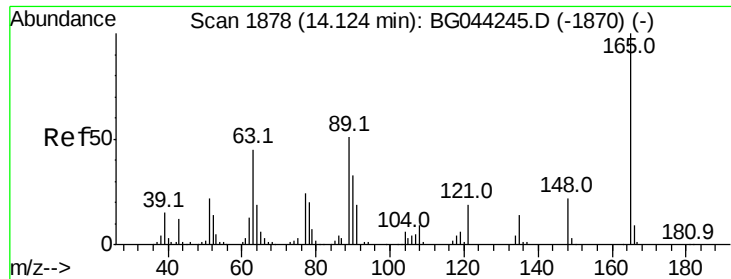
mohammad  
2/12/2020 9:49:34 AM



#50  
Dimethylphthalate  
Concen: 40.357 ng  
RT: 14.00 min Scan# 1857  
Delta R.T. 0.00 min  
Lab File: BG044358.D  
Acq: 10 Feb 2020 16:03

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 163     | 100   | 566567 |       |       |
| 194     | 4.4   |        | 3.6   | 5.4   |
| 164     | 10.6  |        | 8.7   | 13.1  |





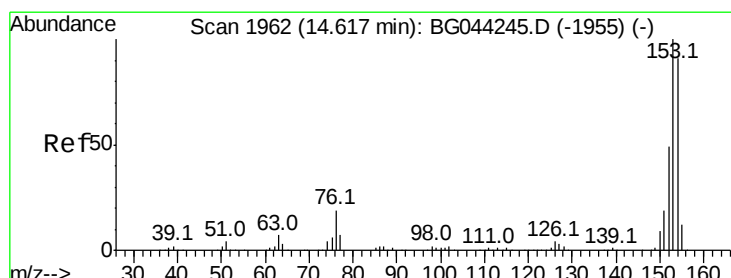
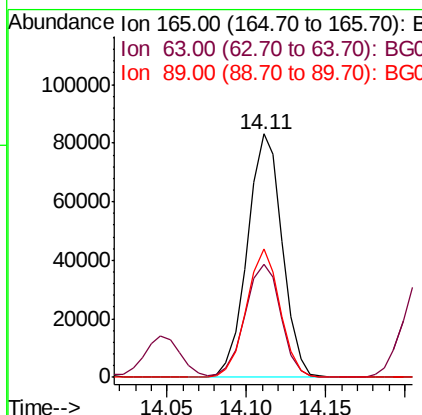
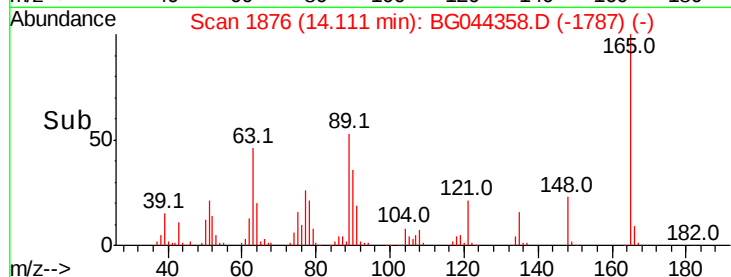
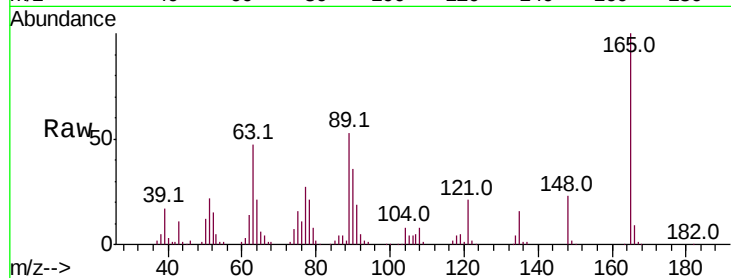
#51  
2,6-Dinitrotoluene  
Concen: 40.425 ng  
RT: 14.11 min Scan# 1876  
Delta R.T. -0.01 min  
Lab File: BG044358.D  
Acq: 10 Feb 2020 16:03

Instrument :  
BNA\_G  
ClientSampleId :  
PB126601BSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 165     | 100   | 126540 |       |       |
| 63      | 46.6  | 38.7   | 58.1  |       |
| 89      | 52.6  | 40.4   | 60.6  |       |

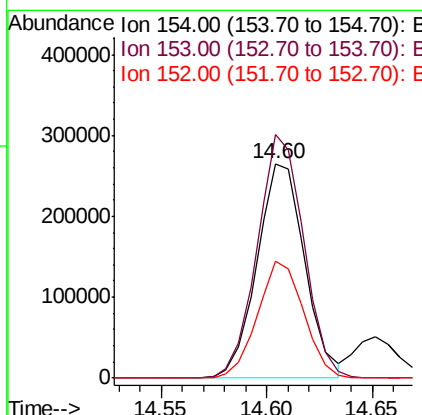
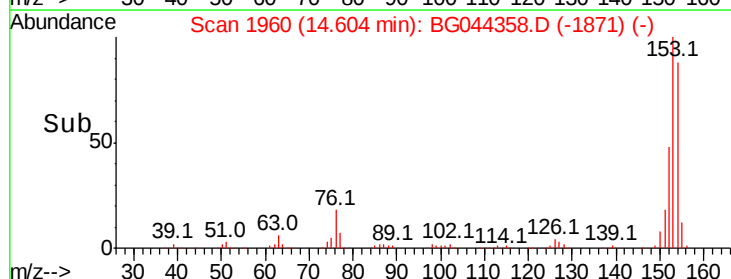
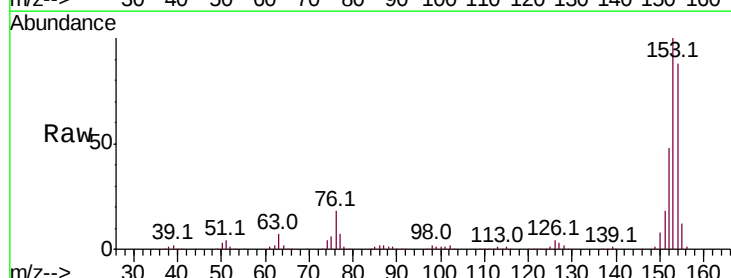
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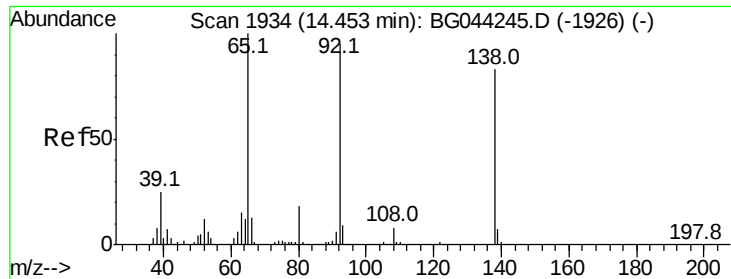
mohammad  
2/12/2020 9:49:34 AM



#52  
Acenaphthene  
Concen: 39.103 ng  
RT: 14.60 min Scan# 1960  
Delta R.T. -0.01 min  
Lab File: BG044358.D  
Acq: 10 Feb 2020 16:03

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 154     | 100   | 416735 |       |       |
| 153     | 113.4 | 87.9   | 131.9 |       |
| 152     | 54.2  | 43.1   | 64.7  |       |





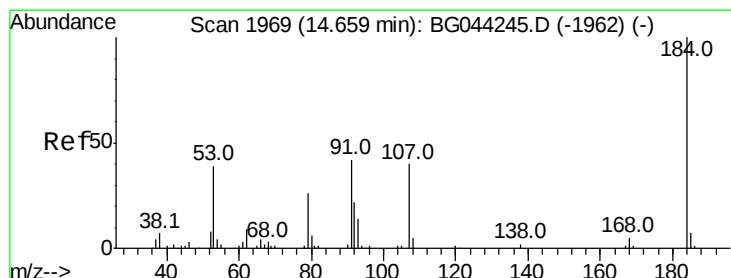
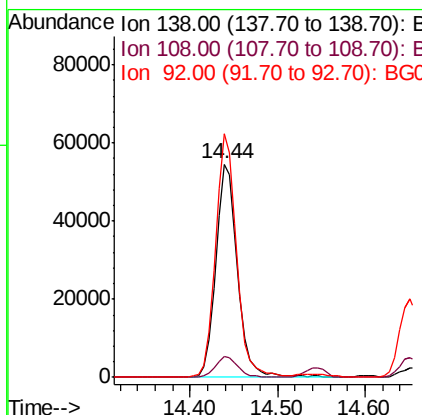
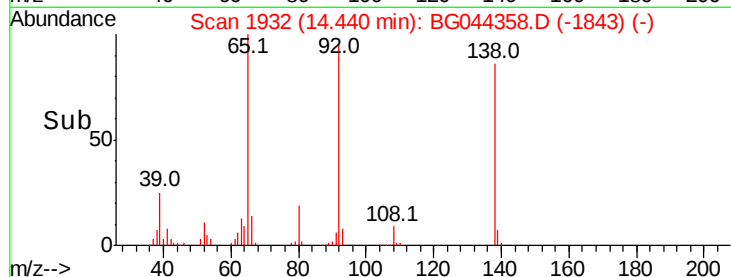
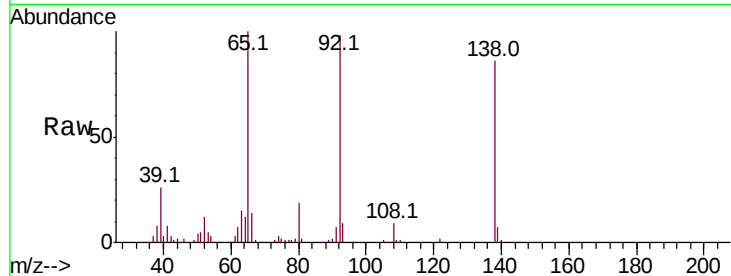
#53  
3-Nitroaniline  
Concen: 27.041 ng  
RT: 14.44 min Scan# 1932  
Delta R.T. -0.01 min  
Lab File: BG044358.D  
Acq: 10 Feb 2020 16:03

Instrument :  
BNA\_G  
ClientSampleId :  
PB126601BSD

Tot Ion:138 Resp: 93646  
Ion Ratio Lower Upper  
138 100  
108 10.0 7.9 11.9  
92 114.1 91.0 136.4

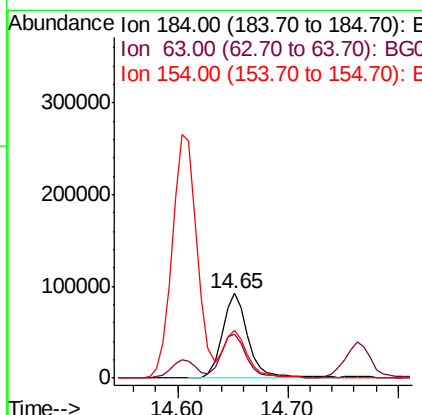
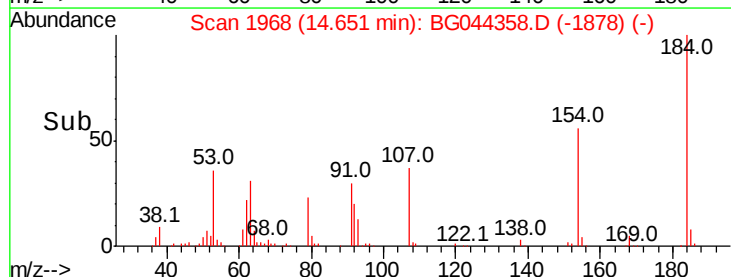
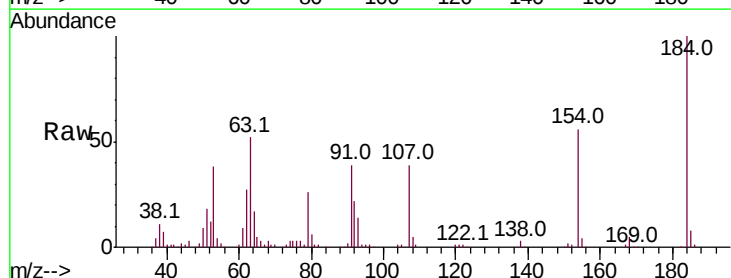
Manual Integrations  
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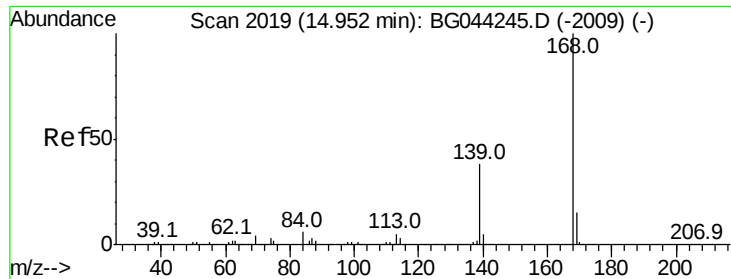
mohammad  
2/12/2020 9:49:34 AM



#54  
2,4-Dinitrophenol  
Concen: 81.412 ng  
RT: 14.65 min Scan# 1968  
Delta R.T. 0.00 min  
Lab File: BG044358.D  
Acq: 10 Feb 2020 16:03

Tgt Ion:184 Resp: 151277  
Ion Ratio Lower Upper  
184 100  
63 52.5 44.1 66.1  
154 56.0 45.4 68.0





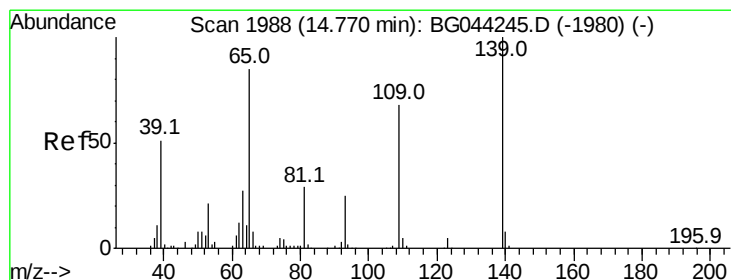
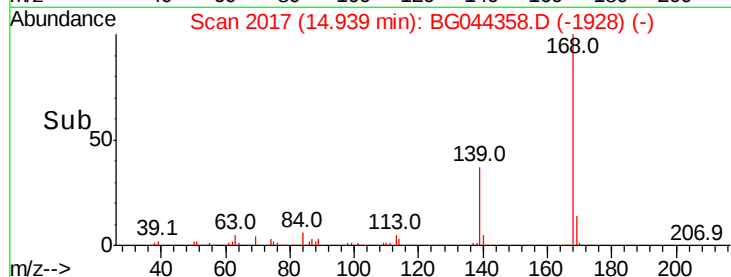
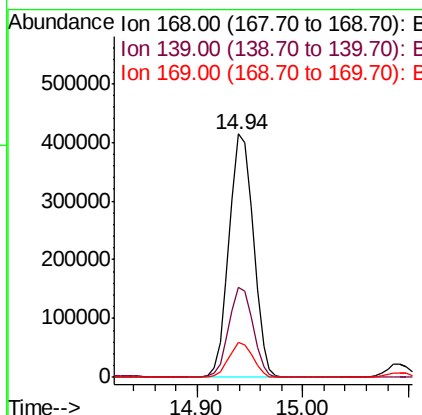
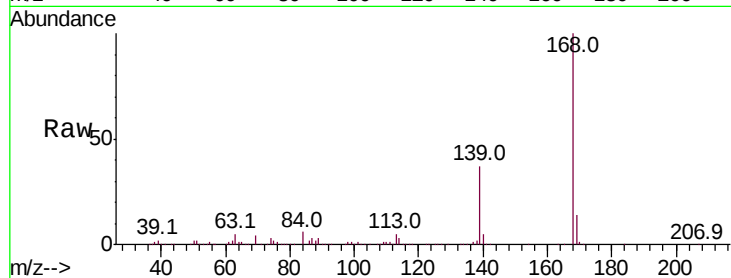
#55  
Dibenzofuran  
Concen: 40.857 ng  
RT: 14.94 min Scan# 2017  
Delta R.T. -0.01 min  
Lab File: BG044358.D  
Acq: 10 Feb 2020 16:03

Instrument :  
BNA\_G  
ClientSampled :  
PB126601BSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 37.0  | 30.5  | 45.7  |
| 169     | 14.3  | 11.7  | 17.5  |

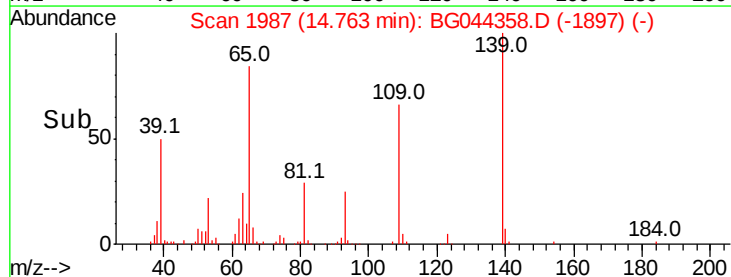
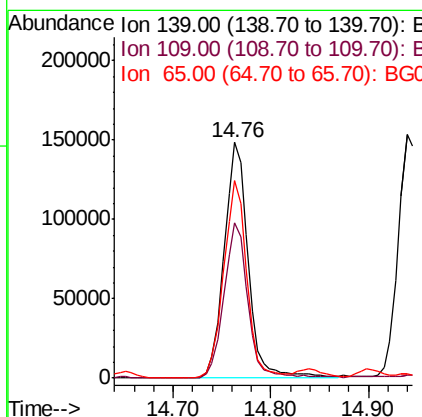
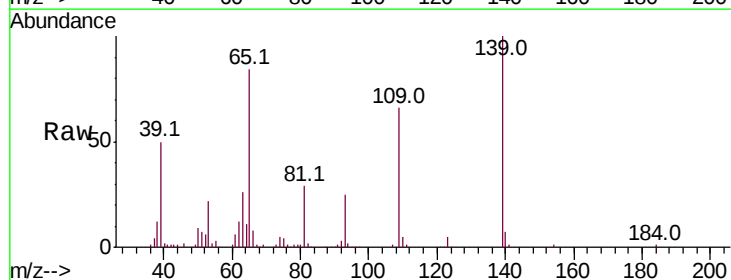
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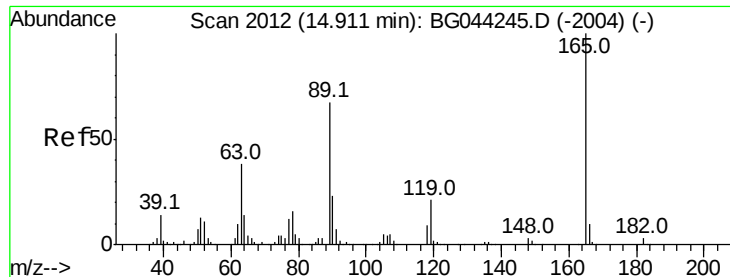
mohammad  
2/12/2020 9:49:34 AM



#56  
4-Nitrophenol  
Concen: 100.130 ng  
RT: 14.76 min Scan# 1987  
Delta R.T. 0.00 min  
Lab File: BG044358.D  
Acq: 10 Feb 2020 16:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 66.0  | 47.5  | 87.5  |
| 65      | 83.7  | 64.9  | 104.9 |





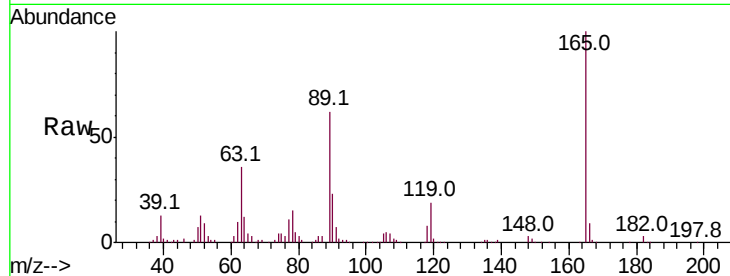
#57  
2,4-Dinitrotoluene  
Concen: 42.528 ng  
RT: 14.90 min Scan# 2011  
Delta R.T. 0.00 min  
Lab File: BG044358.D  
Acq: 10 Feb 2020 16:03

Instrument :  
BNA\_G  
ClientSampleId :  
PB126601BSD

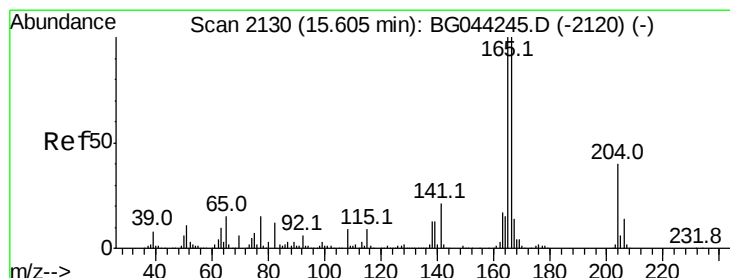
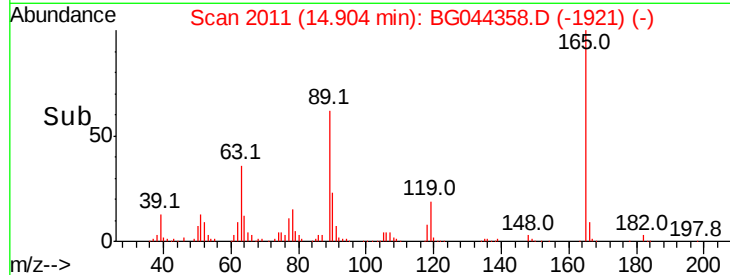
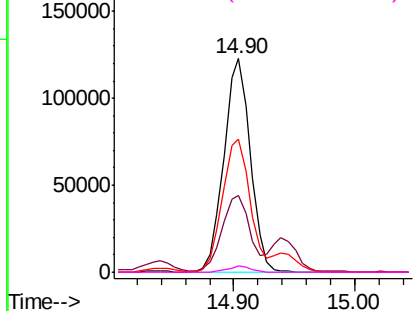
| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 165     | 100   |            |       |
| 63      | 36.2  | 30.3       | 45.5  |
| 89      | 62.5  | 53.4       | 80.2  |
| 182     | 3.1   | 2.1        | 3.1   |

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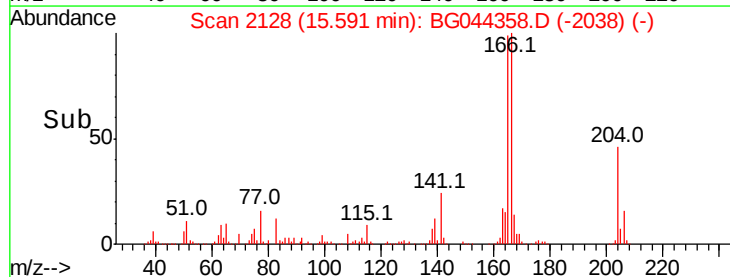
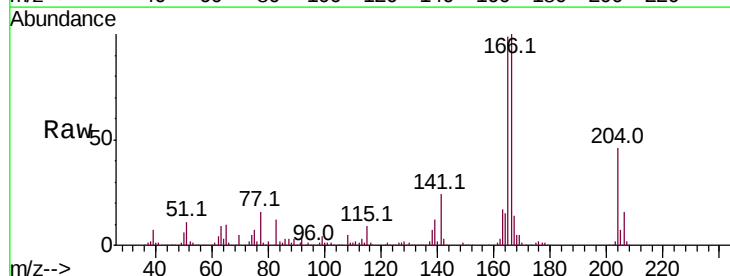
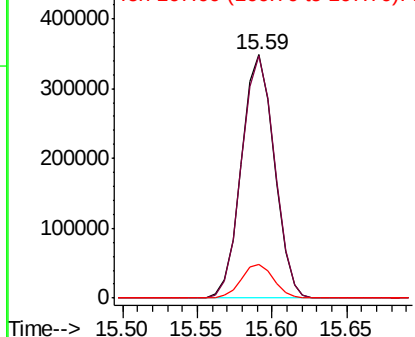
Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BGC  
Ion 89.00 (88.70 to 89.70): BGC  
Ion 182.00 (181.70 to 182.70): E



#58  
Fluorene  
Concen: 41.808 ng  
RT: 15.59 min Scan# 2128  
Delta R.T. 0.00 min  
Lab File: BG044358.D  
Acq: 10 Feb 2020 16:03

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 166     | 100   |            |       |
| 165     | 99.4  | 79.9       | 119.9 |
| 167     | 14.1  | 11.4       | 17.0  |

Abundance Ion 166.00 (165.70 to 166.70): E  
Ion 165.00 (164.70 to 165.70): E  
Ion 167.00 (166.70 to 167.70): E





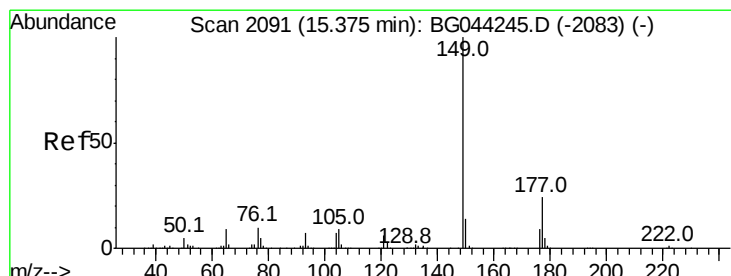
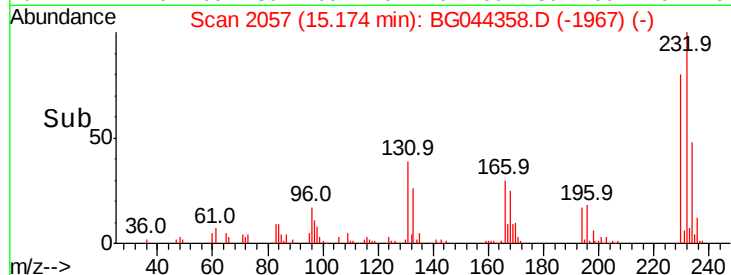
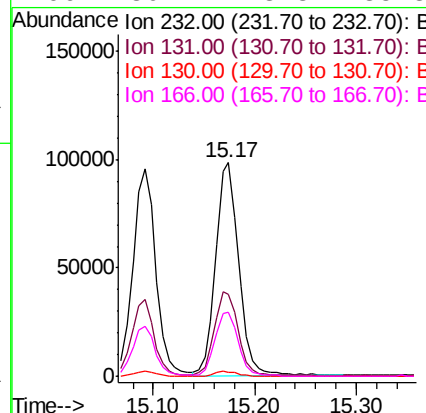
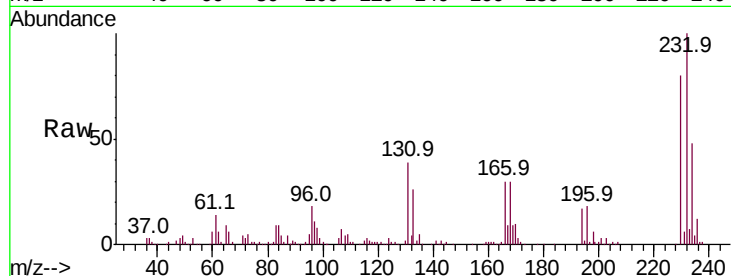
#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 44.569 ng  
 RT: 15.17 min Scan# 2057  
 Delta R.T. 0.00 min  
 Lab File: BG044358.D  
 Acq: 10 Feb 2020 16:03

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB126601BSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 232     | 100   | 155274 |       |       |
| 131     | 41.4  |        | 34.2  | 51.4  |
| 130     | 2.3   |        | 1.8   | 2.8   |
| 166     | 30.2  |        | 23.8  | 35.8  |

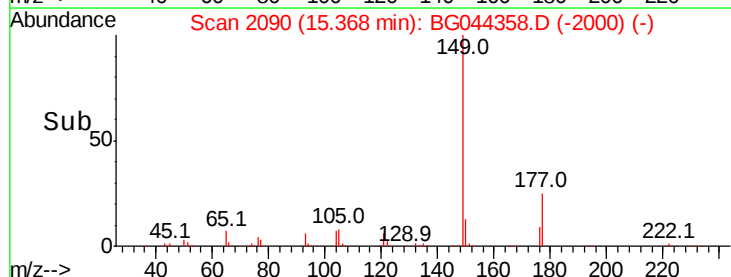
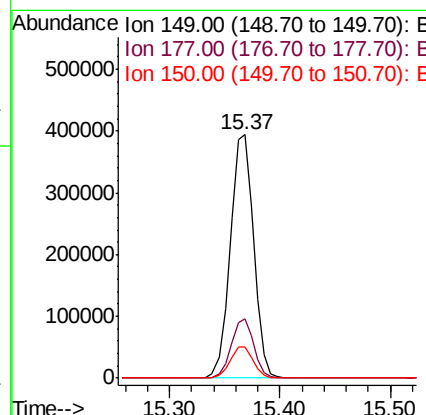
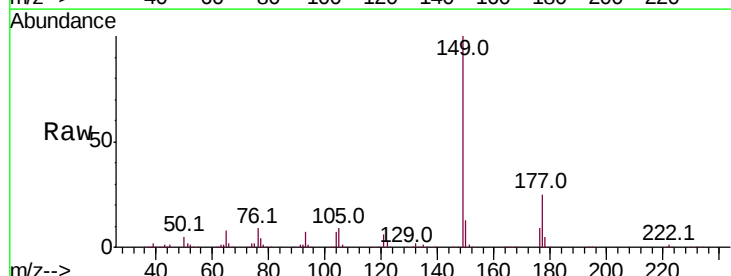
Manual Integrations  
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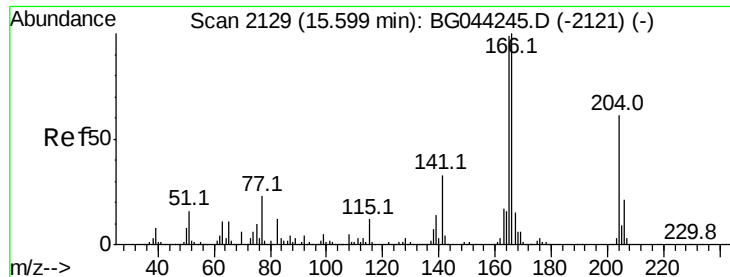
mohammad  
 2/12/2020 9:49:34 AM



#60  
 Diethylphthalate  
 Concen: 41.693 ng  
 RT: 15.37 min Scan# 2090  
 Delta R.T. 0.00 min  
 Lab File: BG044358.D  
 Acq: 10 Feb 2020 16:03

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 583228 |       |       |
| 177     | 24.5  |        | 19.4  | 29.0  |
| 150     | 12.9  |        | 10.9  | 16.3  |





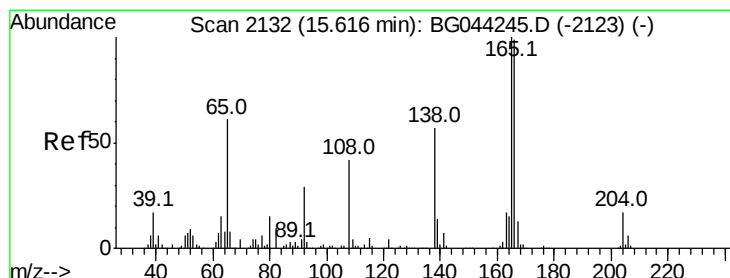
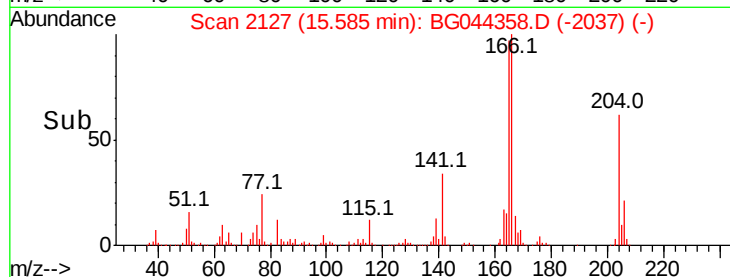
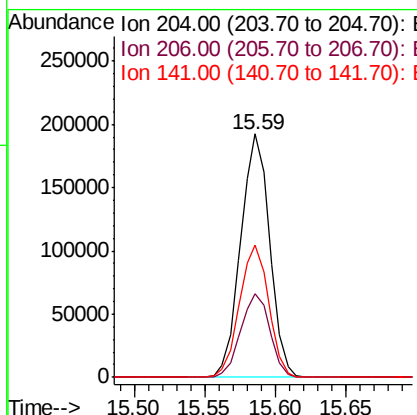
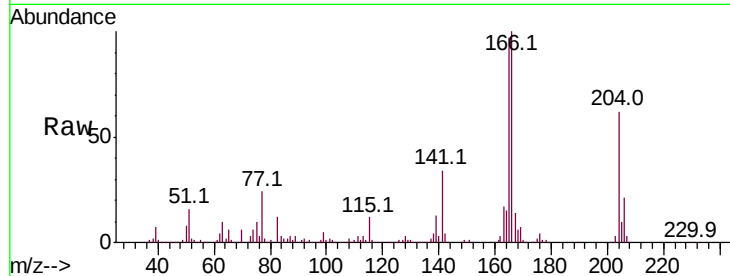
#61  
 4-Chlorophenyl-phenylether  
 Concen: 40.004 ng  
 RT: 15.59 min Scan# 2127  
 Delta R.T. 0.00 min  
 Lab File: BG044358.D  
 Acq: 10 Feb 2020 16:03

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB126601BSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 204   | Resp: | 275662 |
| Ion Ratio | Lower | Upper |        |
| 204       | 100   |       |        |
| 206       | 34.3  | 27.6  | 41.4   |
| 141       | 54.5  | 43.4  | 65.0   |

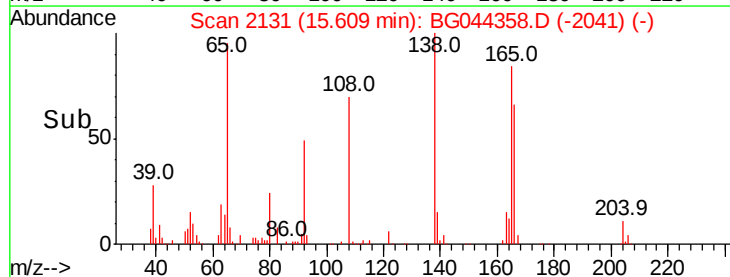
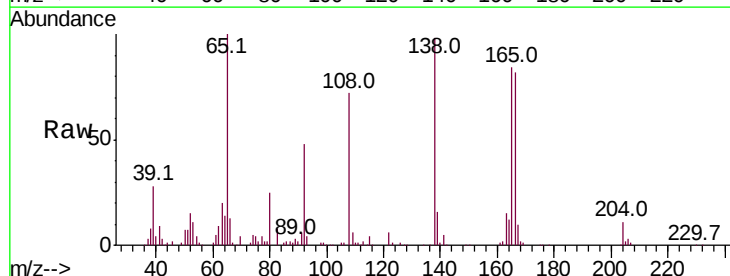
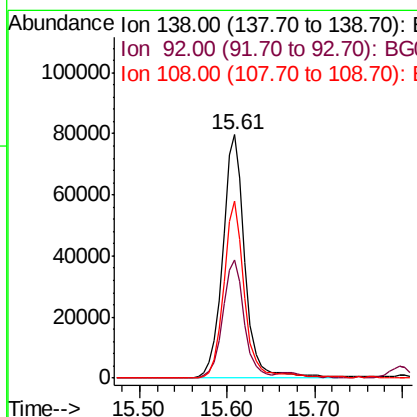
Manual Integrations  
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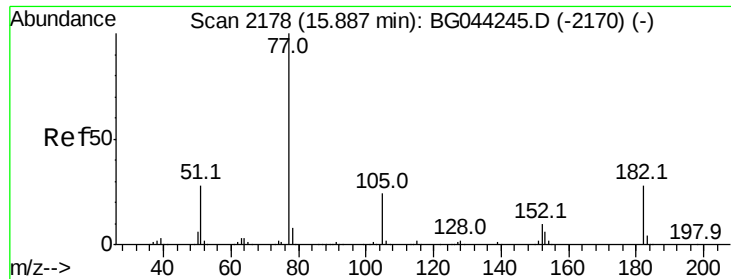
mohammad  
 2/12/2020 9:49:34 AM



#62  
 4-Nitroaniline  
 Concen: 40.310 ng  
 RT: 15.61 min Scan# 2131  
 Delta R.T. 0.00 min  
 Lab File: BG044358.D  
 Acq: 10 Feb 2020 16:03

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 138   | Resp: | 139492 |
| Ion Ratio | Lower | Upper |        |
| 138       | 100   |       |        |
| 92        | 48.7  | 31.3  | 71.3   |
| 108       | 72.8  | 52.6  | 92.6   |





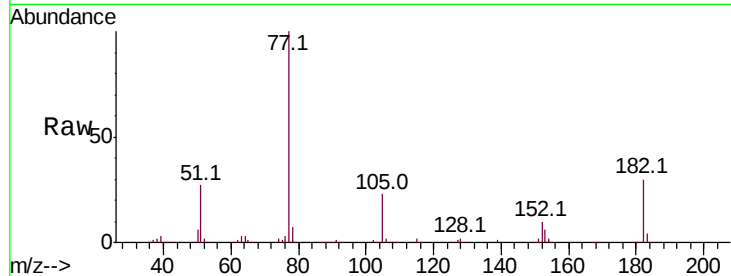
#63  
Azobenzene  
Concen: 41.417 ng  
RT: 15.88 min Scan# 2177  
Delta R.T. 0.00 min  
Lab File: BG044358.D  
Acq: 10 Feb 2020 16:03

Instrument :  
BNA\_G  
ClientSampleId :  
PB126601BSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 77      | 100   |      |       |       |
| 182     | 29.7  | 8.2  | 48.2  |       |
| 105     | 23.1  | 3.6  | 43.6  |       |
| 51      | 27.0  | 8.3  | 48.3  |       |

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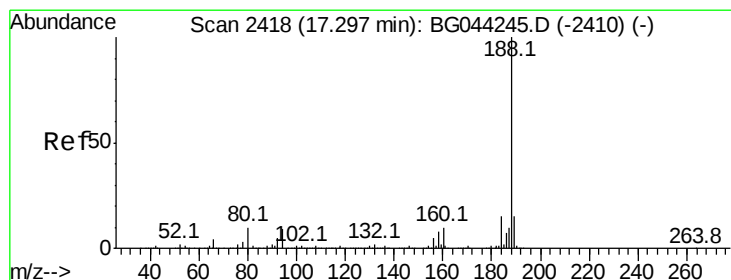
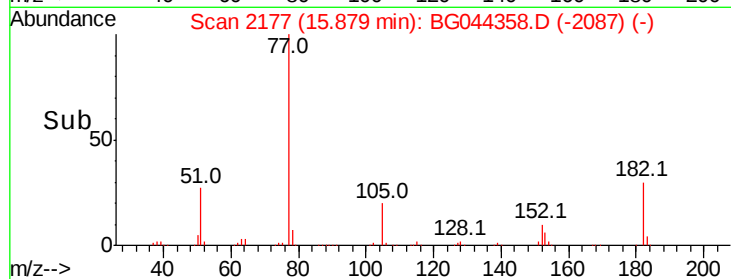
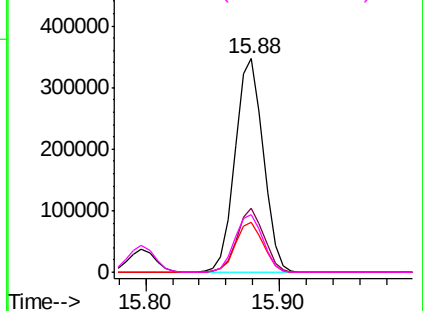
Abundance

Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): BGC

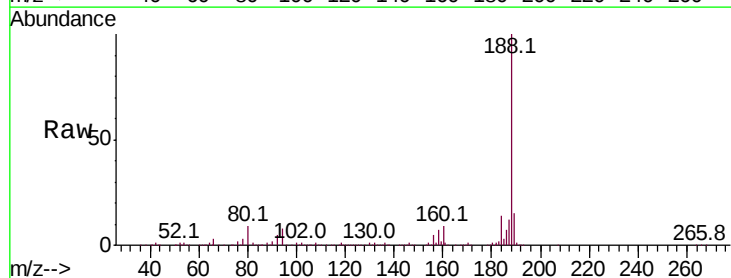
Ion 105.00 (104.70 to 105.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.29 min Scan# 2417  
Delta R.T. 0.00 min  
Lab File: BG044358.D  
Acq: 10 Feb 2020 16:03

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 188     | 100   |      |       |       |
| 94      | 8.4   | 7.4  | 11.2  |       |
| 80      | 9.4   | 7.7  | 11.5  |       |

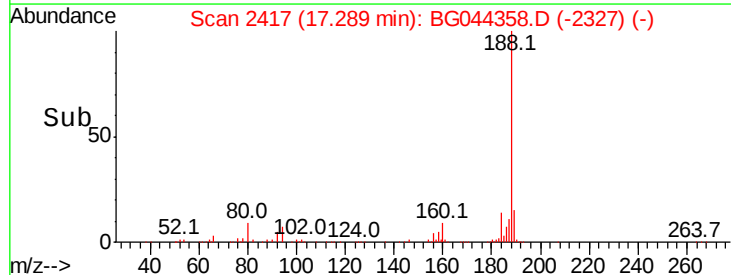
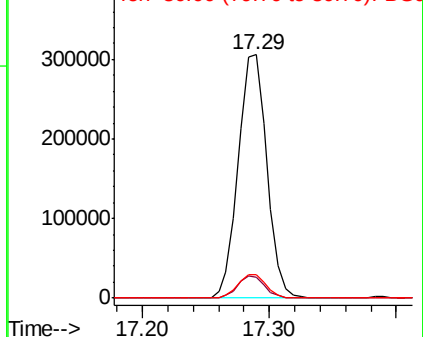


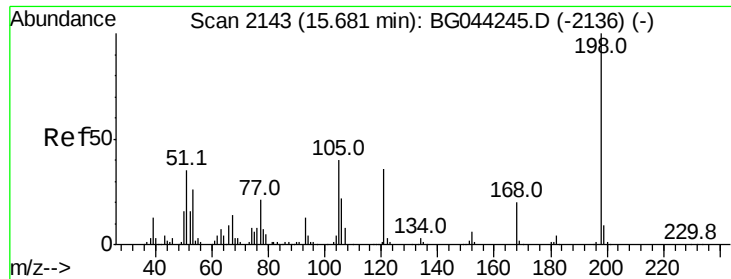
Abundance

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: 44.539 ng

RT: 15.67 min Scan# 2141

Delta R.T. -0.01 min

Lab File: BG044358.D

Acq: 10 Feb 2020 16:03

Instrument :

BNA\_G

ClientSampleId :

PB126601BSD

Tot Ion:198 Resp: 117607

Ion Ratio Lower Upper

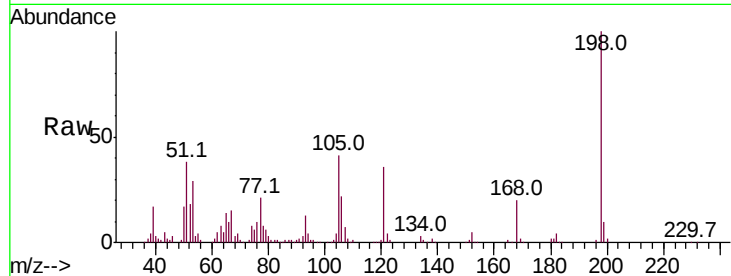
198 100

51 37.8 16.6 56.6

105 41.0 20.6 60.6

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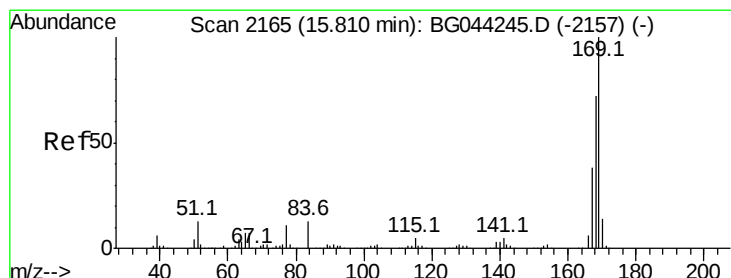
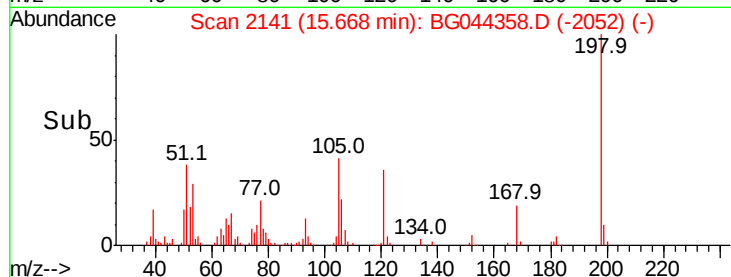
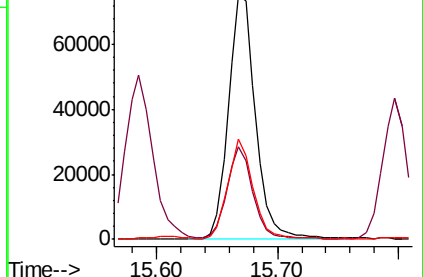
mohammad  
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Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 37.838 ng

RT: 15.80 min Scan# 2163

Delta R.T. -0.01 min

Lab File: BG044358.D

Acq: 10 Feb 2020 16:03

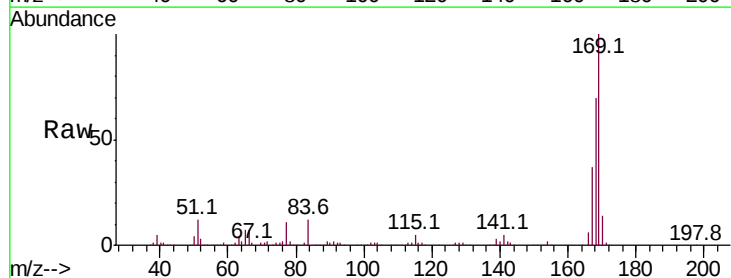
Tgt Ion:169 Resp: 507249

Ion Ratio Lower Upper

169 100

168 70.3 57.9 86.9

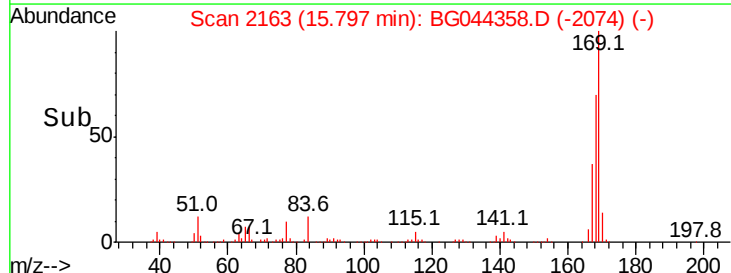
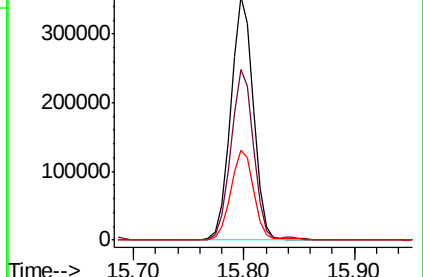
167 37.1 30.7 46.1

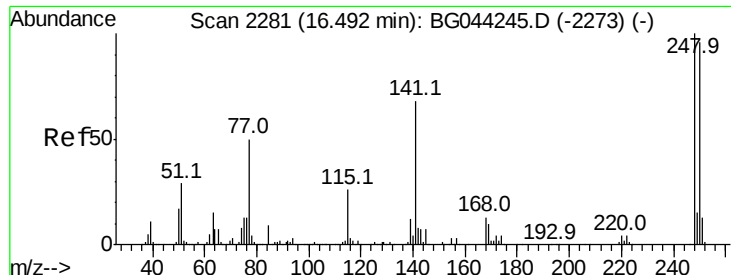


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





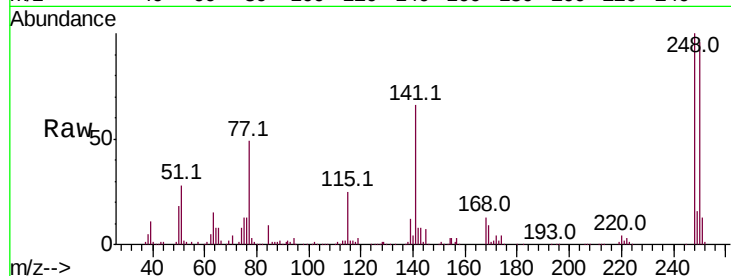
#67  
4-Bromophenyl-phenylether  
Concen: 36.634 ng  
RT: 16.48 min Scan# 2279  
Delta R.T. 0.00 min  
Lab File: BG044358.D  
Acq: 10 Feb 2020 16:03

Instrument :  
BNA\_G  
ClientSampleId :  
PB126601BSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 96.2  | 76.6  | 114.8 |
| 141     | 65.9  | 54.7  | 82.1  |

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mohammad  
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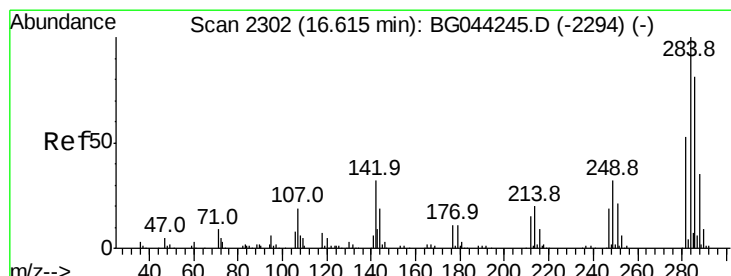
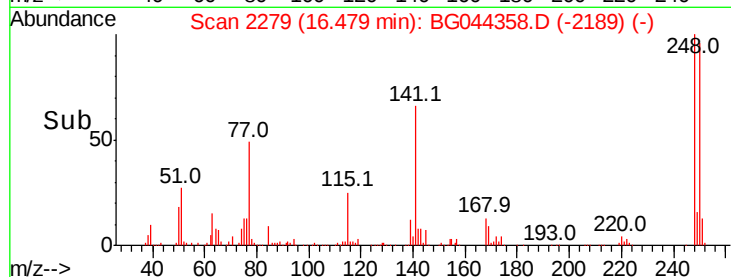
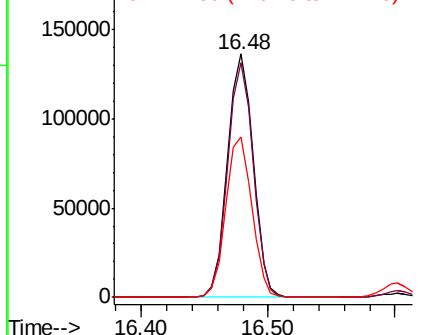


Abundance

Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68  
Hexachlorobenzene  
Concen: 35.941 ng  
RT: 16.60 min Scan# 2300  
Delta R.T. 0.00 min  
Lab File: BG044358.D  
Acq: 10 Feb 2020 16:03

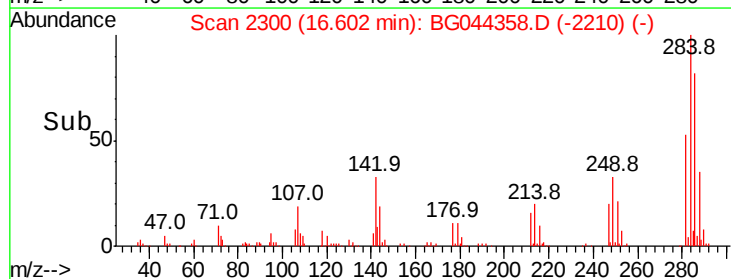
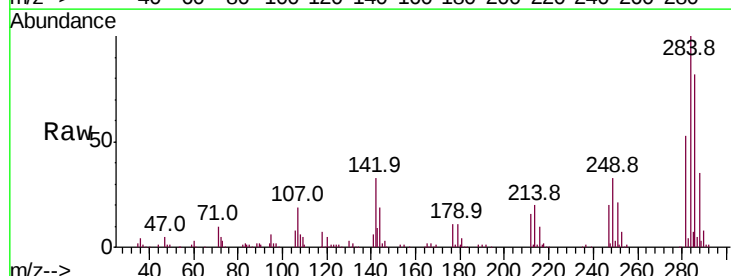
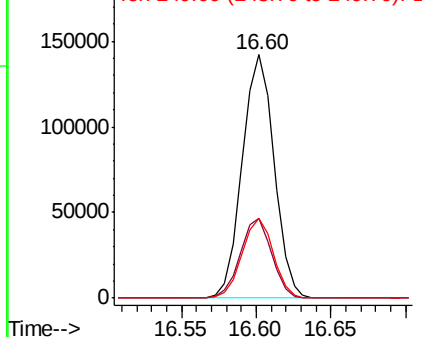
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 32.8  | 25.3  | 37.9  |
| 249     | 32.8  | 25.5  | 38.3  |

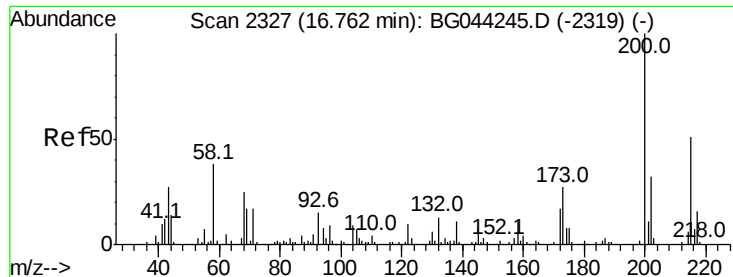
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





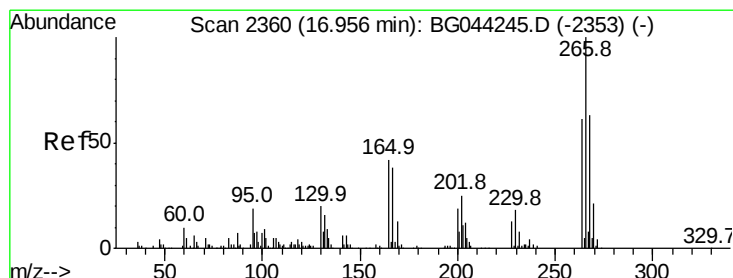
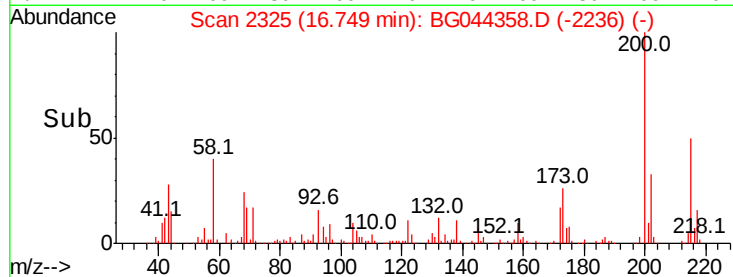
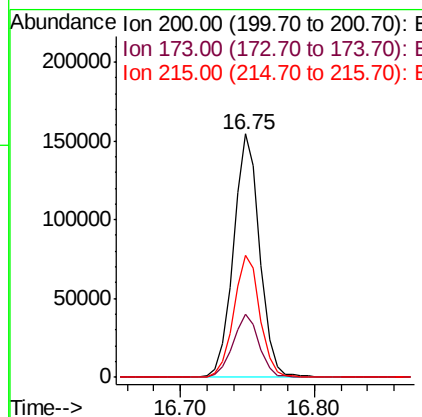
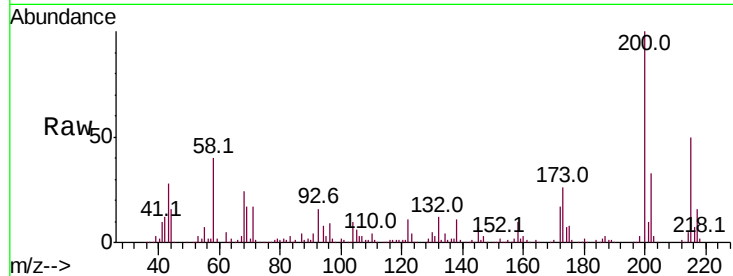
#69  
Atrazine  
Concen: 45.777 ng  
RT: 16.75 min Scan# 2325  
Delta R.T. -0.01 min  
Lab File: BG044358.D  
Acq: 10 Feb 2020 16:03

Instrument :  
BNA\_G  
ClientSampleId :  
PB126601BSD

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 200     | 100   |            |       |
| 173     | 26.0  | 6.6        | 46.6  |
| 215     | 50.1  | 31.0       | 71.0  |

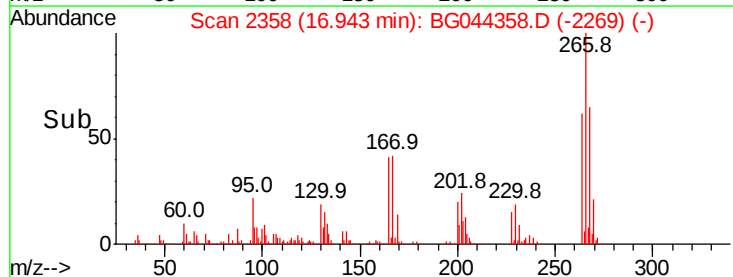
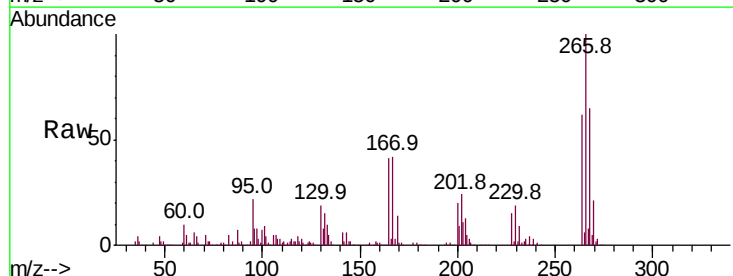
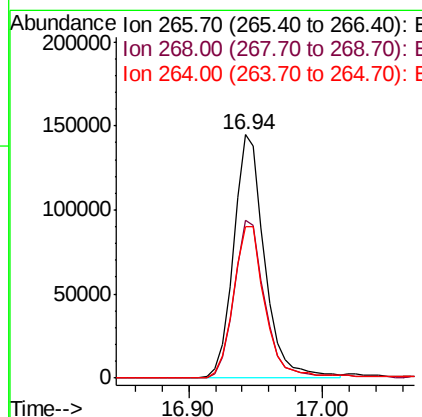
Manual Integrations  
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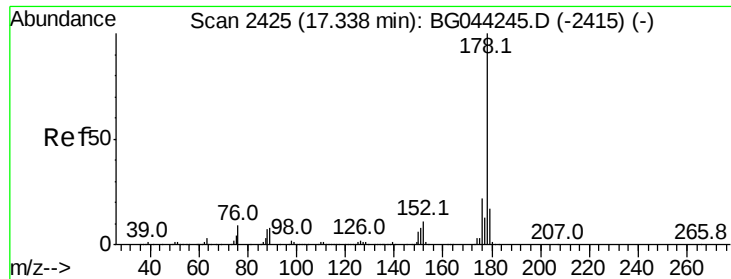
mohammad  
2/12/2020 9:49:34 AM



#70  
Pentachlorophenol  
Concen: 79.182 ng  
RT: 16.94 min Scan# 2358  
Delta R.T. -0.01 min  
Lab File: BG044358.D  
Acq: 10 Feb 2020 16:03

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 266     | 100   |            |       |
| 268     | 64.8  | 50.6       | 75.8  |
| 264     | 62.4  | 48.7       | 73.1  |





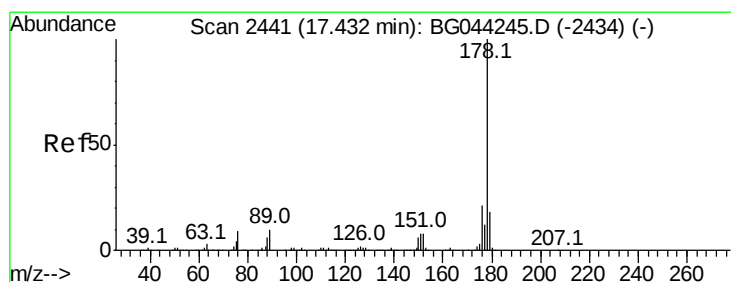
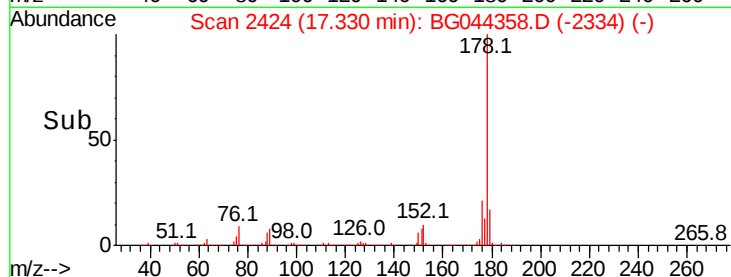
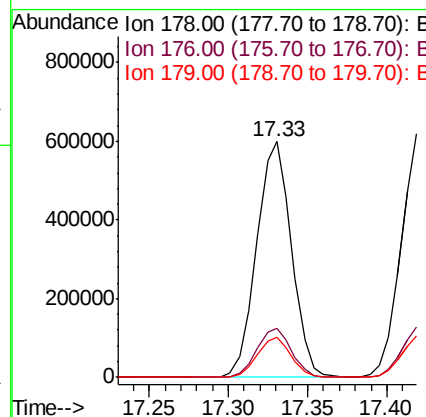
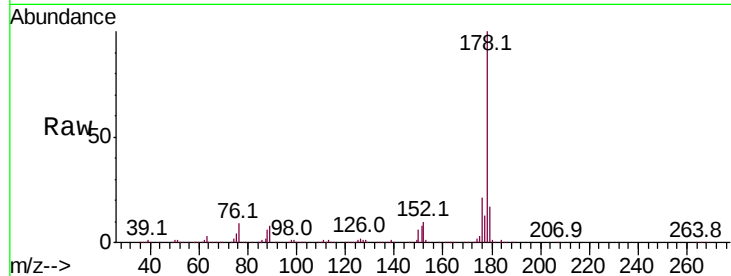
#71  
Phenanthrene  
Concen: 39.498 ng  
RT: 17.33 min Scan# 2424  
Delta R.T. 0.00 min  
Lab File: BG044358.D  
Acq: 10 Feb 2020 16:03

Instrument :  
BNA\_G  
ClientSampleId :  
PB126601BSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 20.9  | 17.7  | 26.5  |
| 179     | 16.9  | 13.7  | 20.5  |

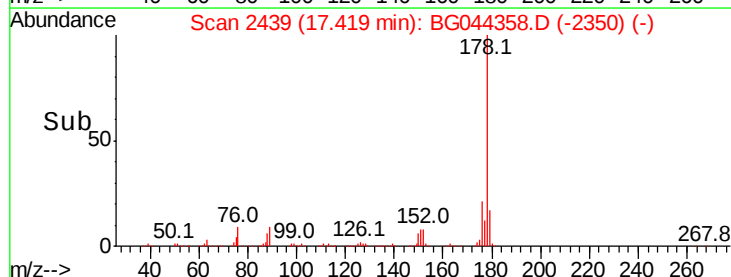
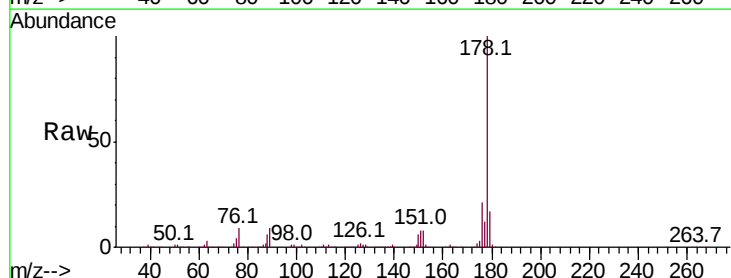
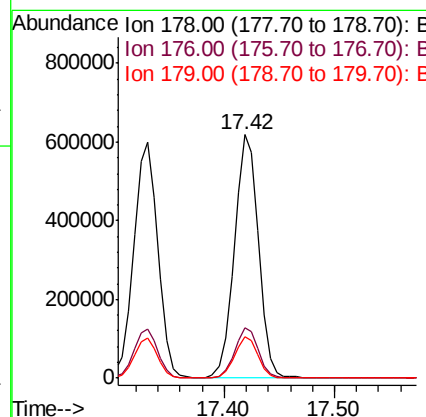
Manual Integrations  
APPROVED

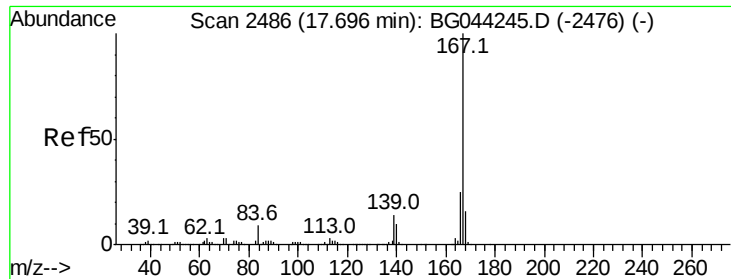
mohammad  
2/12/2020 9:49:34 AM



#72  
Anthracene  
Concen: 41.117 ng  
RT: 17.42 min Scan# 2439  
Delta R.T. -0.01 min  
Lab File: BG044358.D  
Acq: 10 Feb 2020 16:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 20.9  | 17.0  | 25.4  |
| 179     | 16.9  | 14.4  | 21.6  |





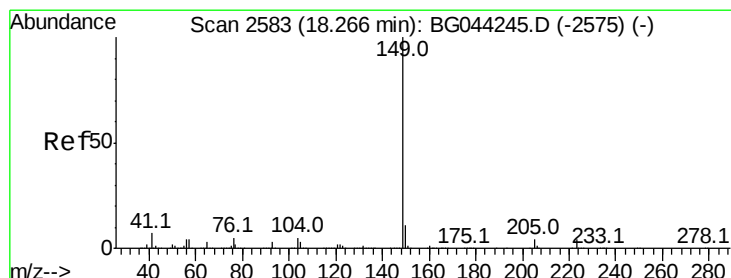
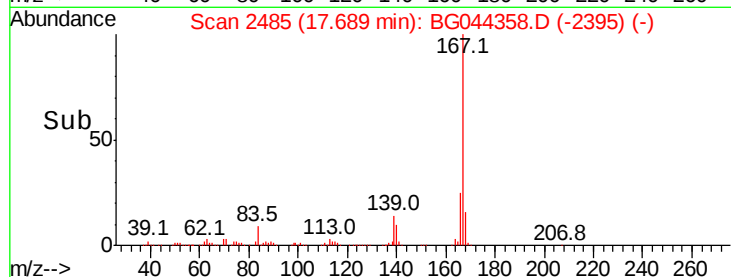
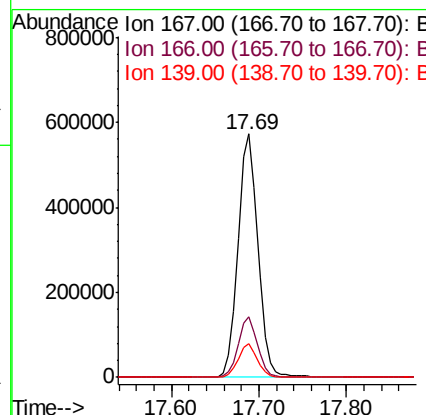
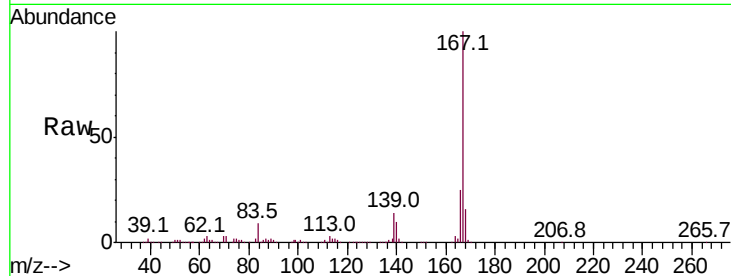
#73  
 Carbazole  
 Concen: 41.782 ng  
 RT: 17.69 min Scan# 2485  
 Delta R.T. 0.00 min  
 Lab File: BG044358.D  
 Acq: 10 Feb 2020 16:03

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB126601BSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 167     | 100   | 882117 |       |       |
| 166     | 24.8  | 19.8   | 29.6  |       |
| 139     | 13.7  | 11.1   | 16.7  |       |

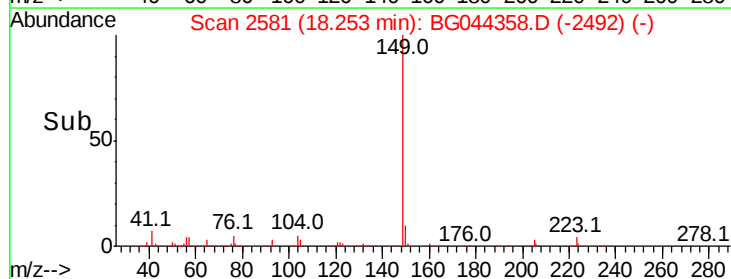
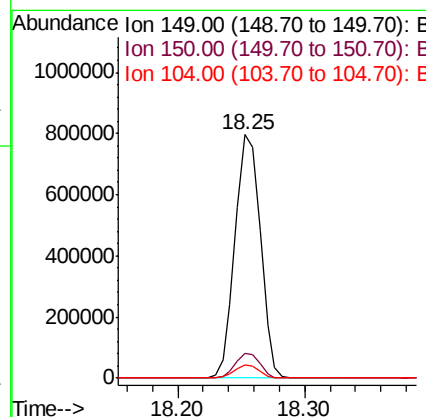
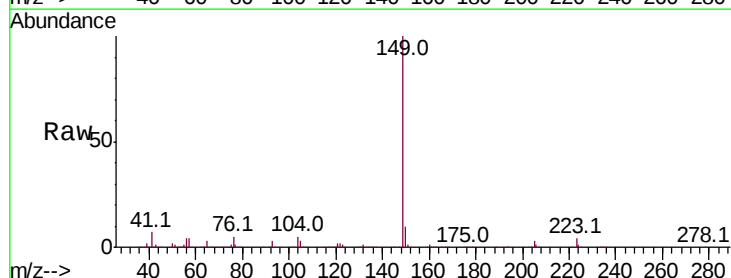
Manual Integrations  
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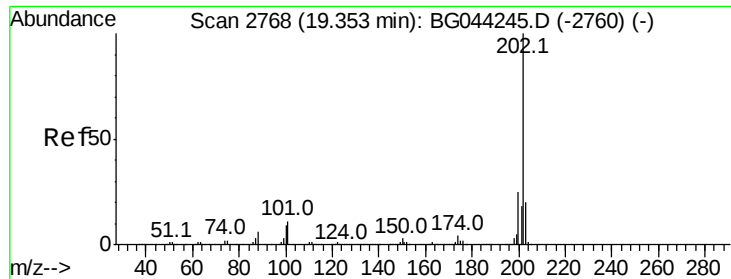
mohammad  
 2/12/2020 9:49:34 AM



#74  
 Di-n-butylphthalate  
 Concen: 42.244 ng  
 RT: 18.25 min Scan# 2581  
 Delta R.T. -0.01 min  
 Lab File: BG044358.D  
 Acq: 10 Feb 2020 16:03

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 149     | 100   | 1102137 |       |       |
| 150     | 10.4  | 8.7     | 13.1  |       |
| 104     | 5.2   | 4.3     | 6.5   |       |





#75

Fluoranthene

Concen: 43.281 ng

RT: 19.34 min Scan# 2766

Delta R.T. 0.00 min

Lab File: BG044358.D

Acq: 10 Feb 2020 16:03

Instrument :

BNA\_G

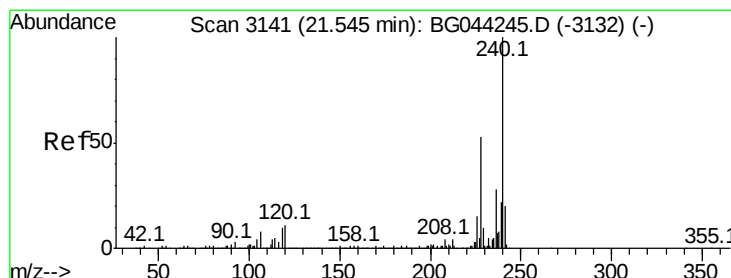
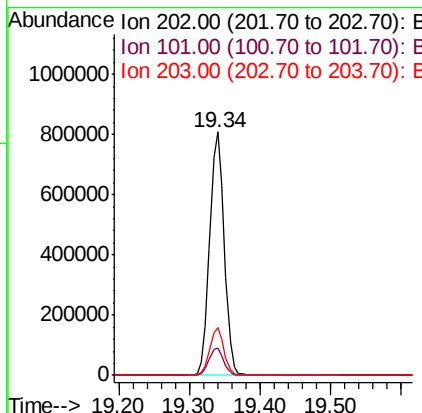
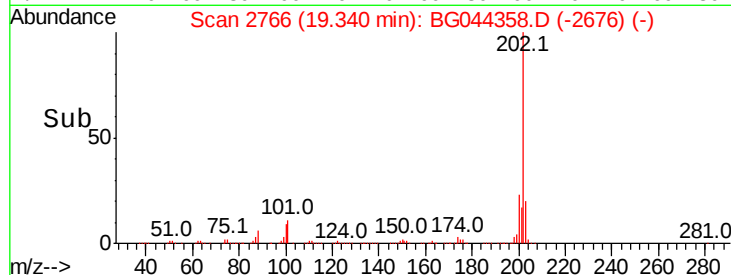
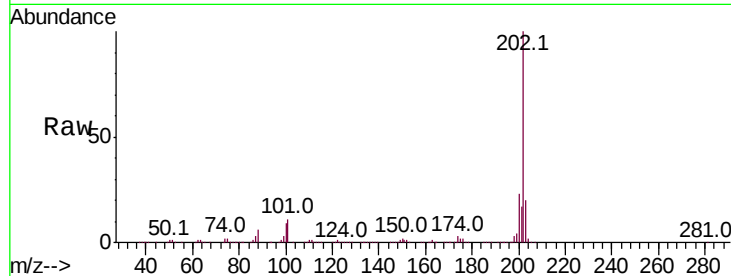
ClientSampleId :

PB126601BSD

|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 202   | Resp: | 1159770 |
| Ion      | Ratio | Lower | Upper   |
| 202      | 100   |       |         |
| 101      | 11.3  | 0.0   | 31.3    |
| 203      | 19.9  | 0.0   | 39.9    |

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#76

Chrysene-d12

Concen: 20.000 ng

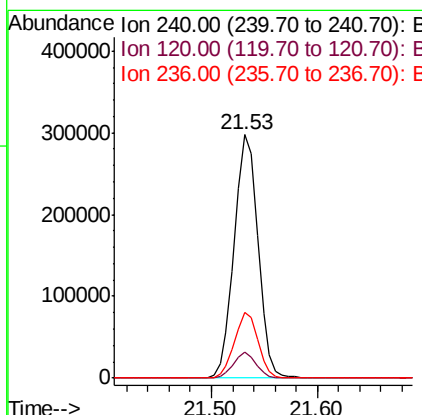
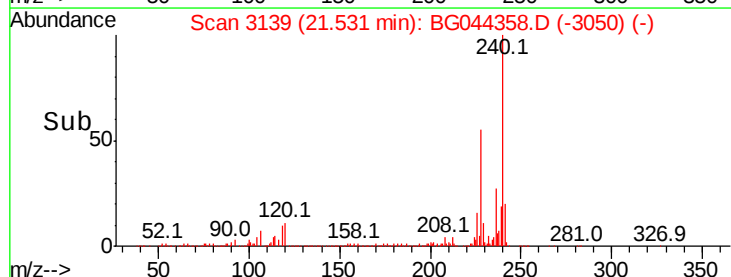
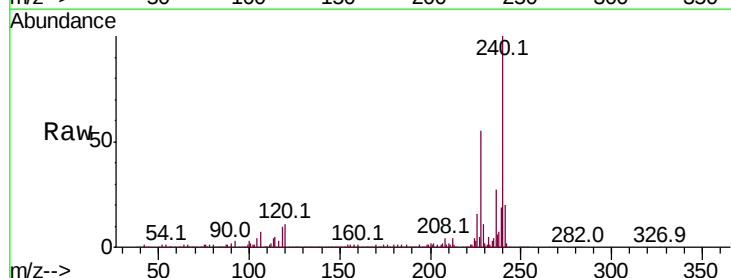
RT: 21.53 min Scan# 3139

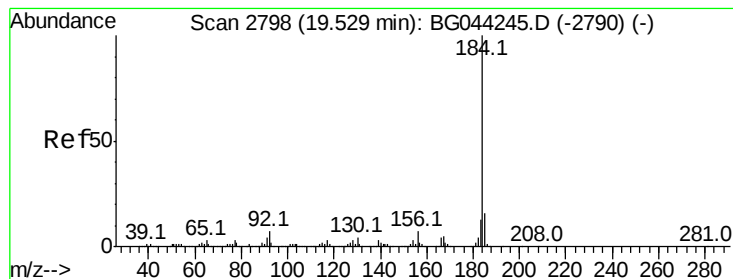
Delta R.T. -0.01 min

Lab File: BG044358.D

Acq: 10 Feb 2020 16:03

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 240   | Resp: | 463063 |
| Ion      | Ratio | Lower | Upper  |
| 240      | 100   |       |        |
| 120      | 10.9  | 8.4   | 12.6   |
| 236      | 27.2  | 22.1  | 33.1   |





#77

Benzidine

Concen: 46.031 ng

RT: 19.52 min Scan# 2796

Delta R.T. -0.01 min

Lab File: BG044358.D

Acq: 10 Feb 2020 16:03

Instrument :

BNA\_G

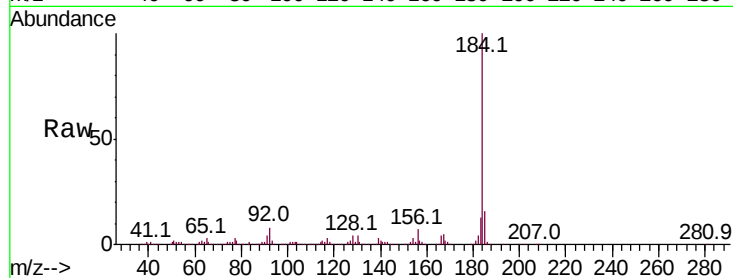
ClientSampleId :

PB126601BSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 184     | 100   |      |       |       |
| 185     | 15.5  | 12.9 | 19.3  |       |
| 183     | 13.4  | 10.8 | 16.2  |       |

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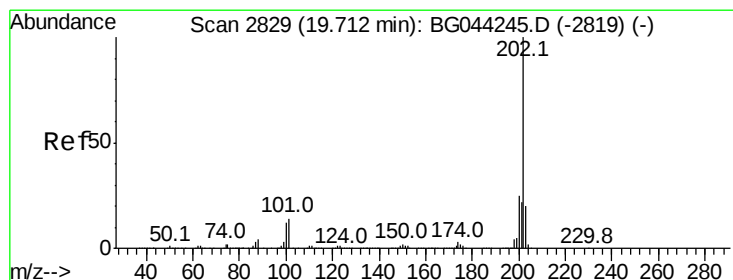
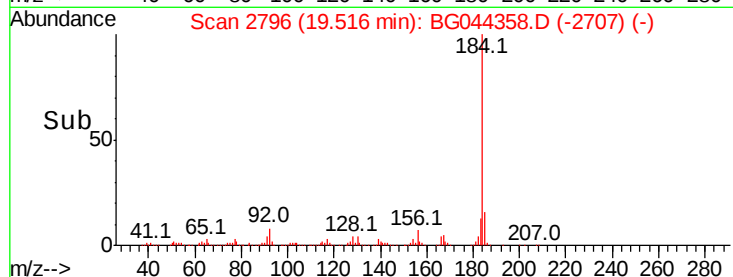
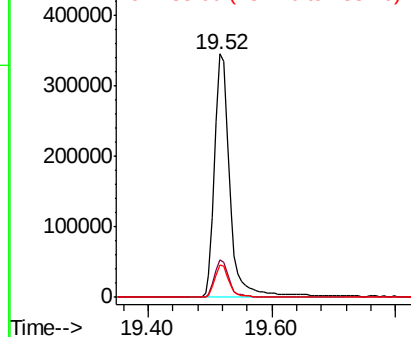


Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 39.126 ng

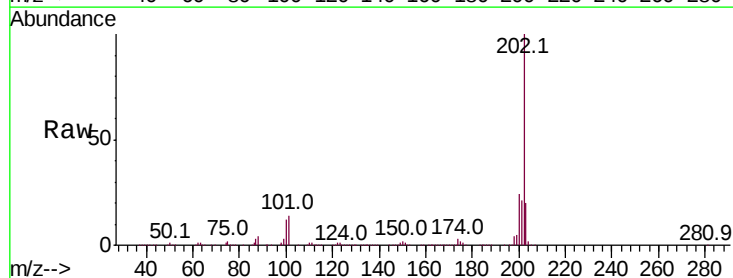
RT: 19.70 min Scan# 2827

Delta R.T. -0.01 min

Lab File: BG044358.D

Acq: 10 Feb 2020 16:03

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 202     | 100   |      |       |       |
| 200     | 23.8  | 20.0 | 30.0  |       |
| 203     | 19.7  | 16.2 | 24.2  |       |

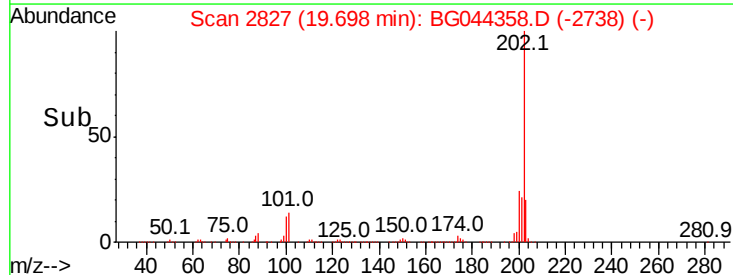
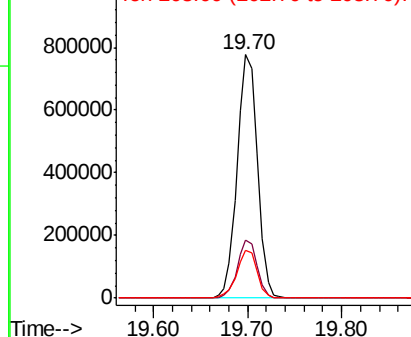


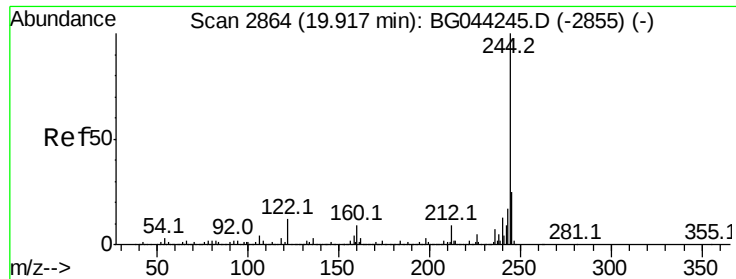
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





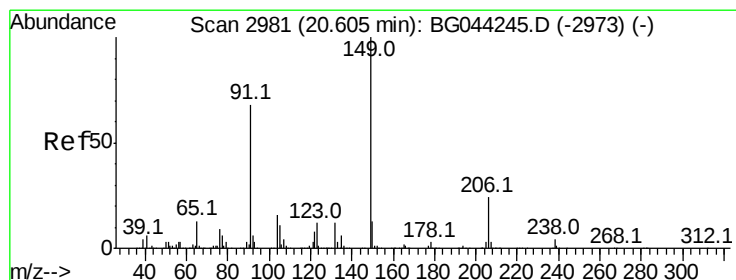
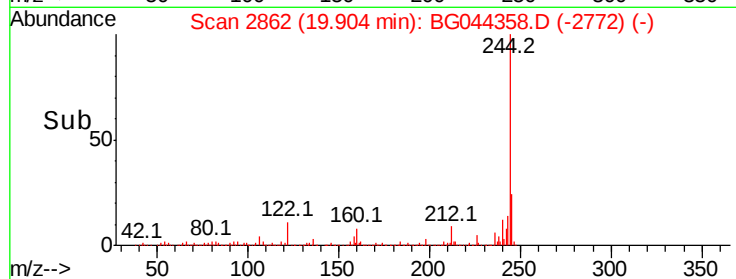
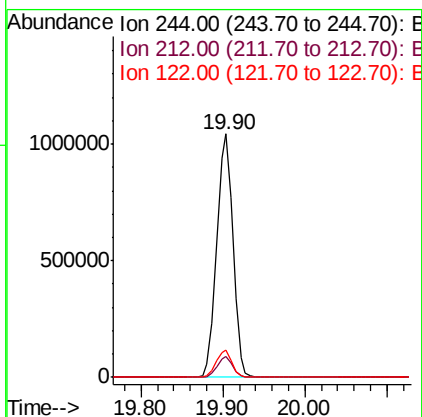
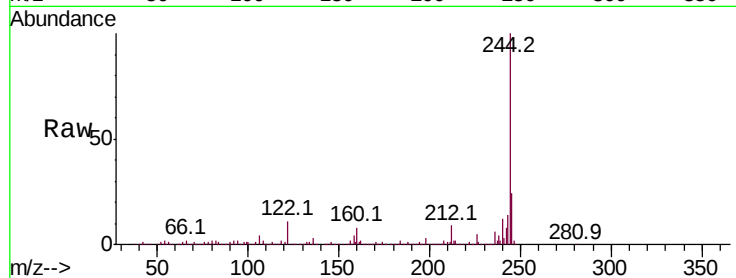
#79  
Terphenyl-d14  
Concen: 64.358 ng  
RT: 19.90 min Scan# 2862  
Delta R.T. 0.00 min  
Lab File: BG044358.D  
Acq: 10 Feb 2020 16:03

Instrument :  
BNA\_G  
ClientSampleId :  
PB126601BSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 8.6   | 7.4   | 11.2  |
| 122     | 11.0  | 9.8   | 14.6  |

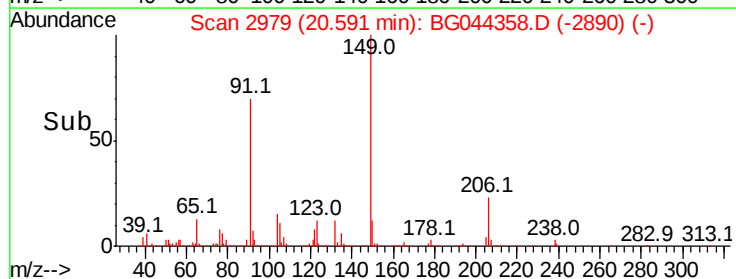
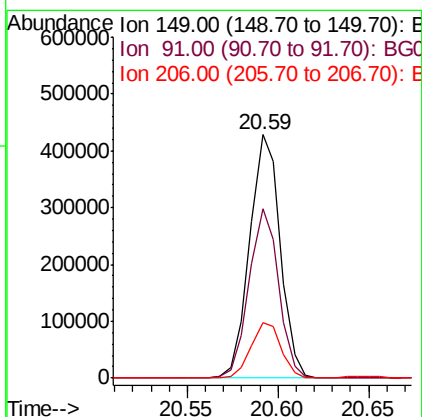
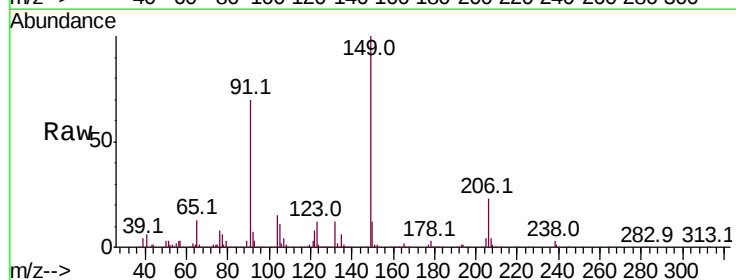
Manual Integrations  
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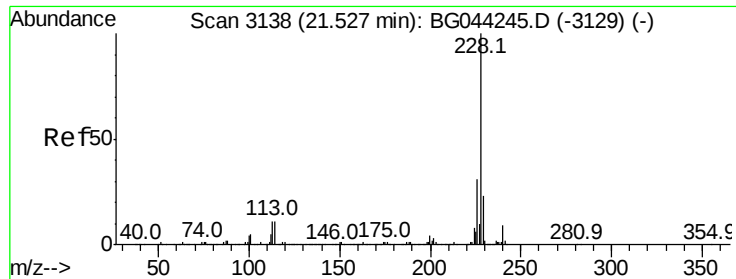
mohammad  
2/12/2020 9:49:34 AM



#80  
Butylbenzylphthalate  
Concen: 37.027 ng  
RT: 20.59 min Scan# 2979  
Delta R.T. -0.01 min  
Lab File: BG044358.D  
Acq: 10 Feb 2020 16:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 69.8  | 54.5  | 81.7  |
| 206     | 22.5  | 19.1  | 28.7  |





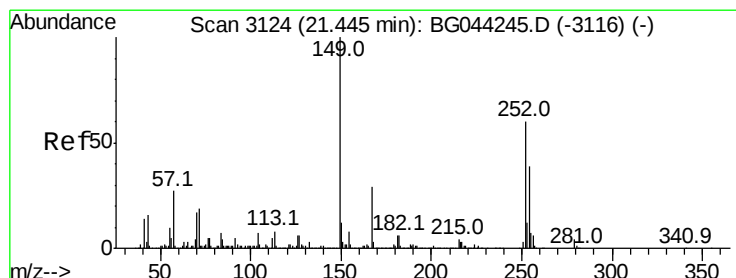
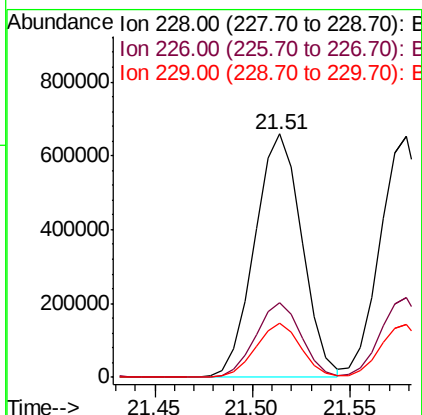
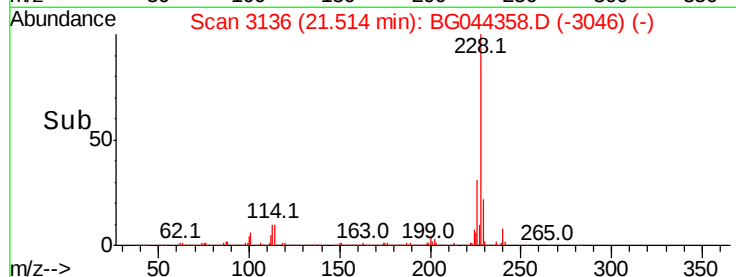
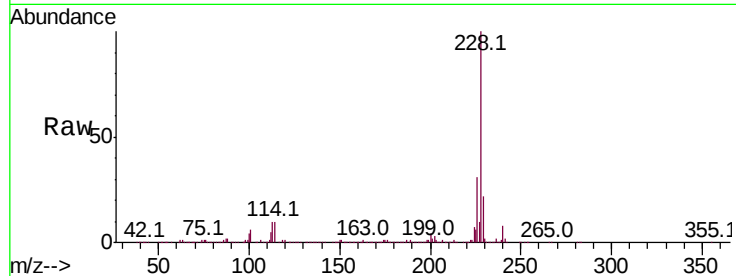
#81  
Benzo(a)anthracene  
Concen: 38.670 ng  
RT: 21.51 min Scan# 3136  
Delta R.T. 0.00 min  
Lab File: BG044358.D  
Acq: 10 Feb 2020 16:03

Instrument :  
BNA\_G  
ClientSampleId :  
PB126601BSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.6  | 24.7  | 37.1  |
| 229     | 22.1  | 18.2  | 27.4  |

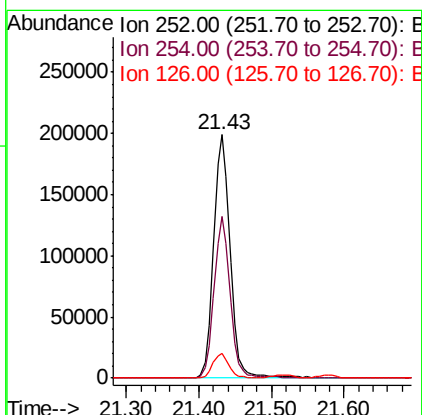
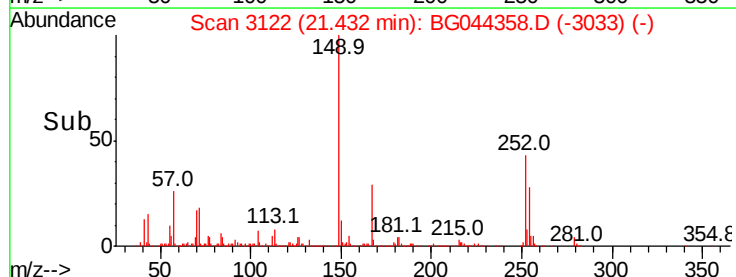
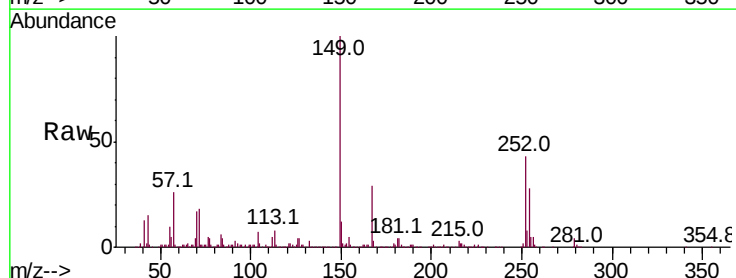
Manual Integrations  
APPROVED

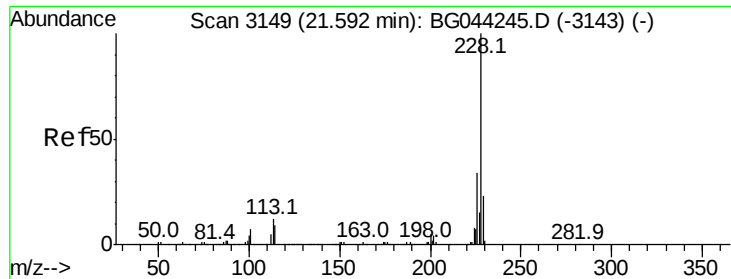
mohammad  
2/12/2020 9:49:34 AM



#82  
3,3'-Dichlorobenzidine  
Concen: 28.502 ng  
RT: 21.43 min Scan# 3122  
Delta R.T. -0.01 min  
Lab File: BG044358.D  
Acq: 10 Feb 2020 16:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 66.4  | 52.6  | 78.8  |
| 126     | 10.0  | 8.2   | 12.4  |





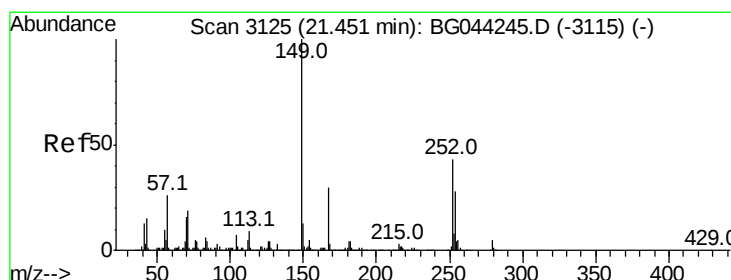
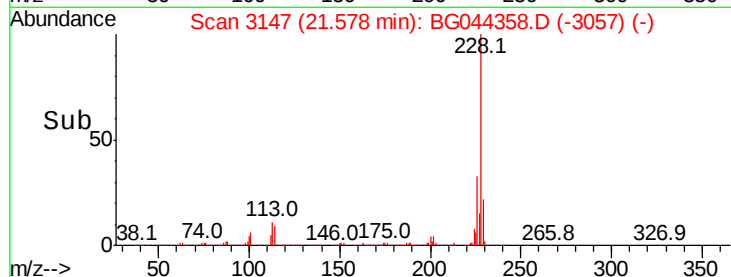
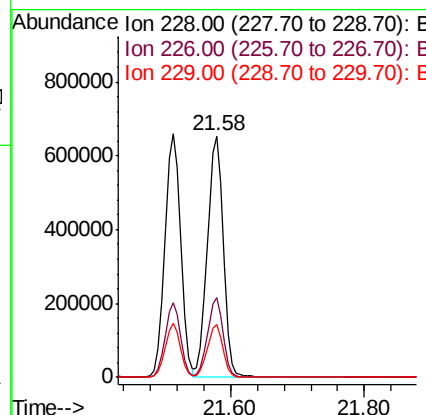
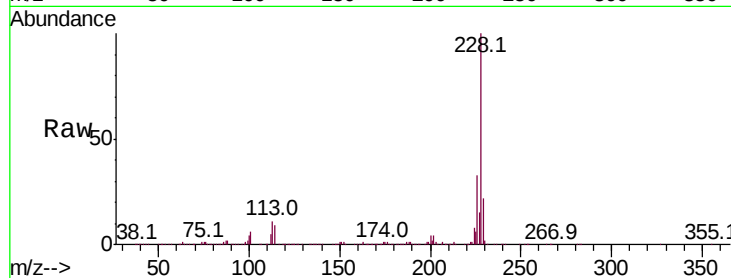
#83  
Chrysene  
Concen: 38.804 ng  
RT: 21.58 min Scan# 3147  
Delta R.T. 0.00 min  
Lab File: BG044358.D  
Acq: 10 Feb 2020 16:03

Instrument :  
BNA\_G  
ClientSampleId :  
PB126601BSD

Tot Ion:228 Resp: 1070430  
Ion Ratio Lower Upper  
228 100  
226 33.1 27.1 40.7  
229 21.6 17.9 26.9

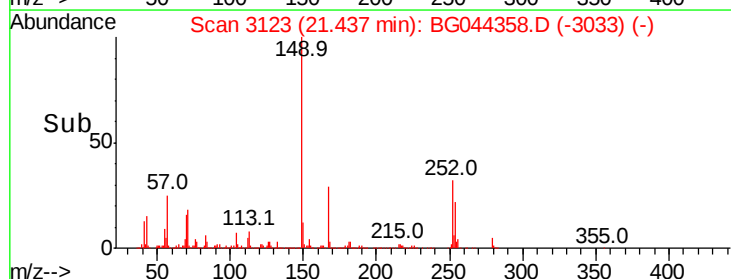
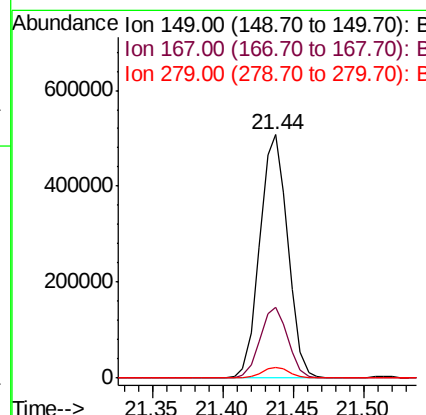
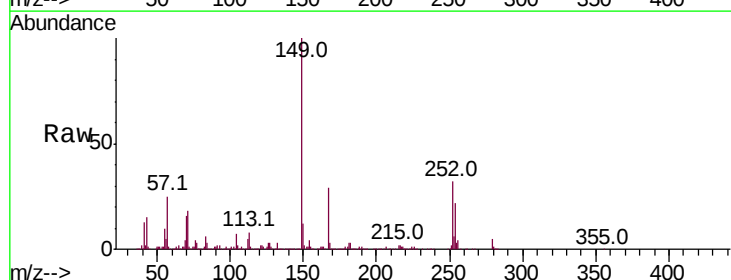
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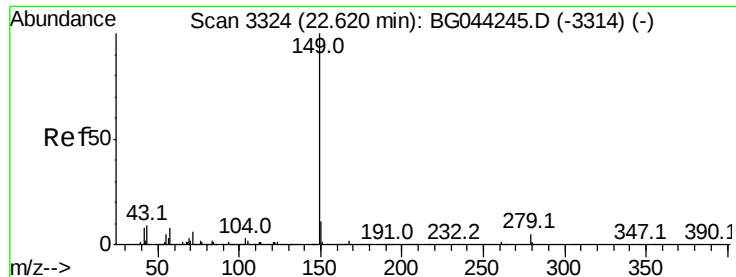
mohammad  
2/12/2020 9:49:34 AM



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 38.061 ng  
RT: 21.44 min Scan# 3123  
Delta R.T. 0.00 min  
Lab File: BG044358.D  
Acq: 10 Feb 2020 16:03

Tgt Ion:149 Resp: 709954  
Ion Ratio Lower Upper  
149 100  
167 29.1 24.0 36.0  
279 4.6 3.8 5.8





#85

Di-n-octyl phthalate

Concen: 38.273 ng

RT: 22.60 min Scan# 3321

Delta R.T. -0.01 min

Lab File: BG044358.D

Acq: 10 Feb 2020 16:03

Instrument :

BNA\_G

ClientSampleId :

PB126601BSD

Tot Ion:149 Resp: 1235232

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

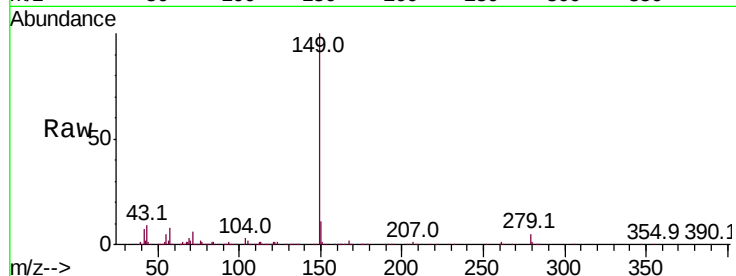
43 8.8 7.4 11.0

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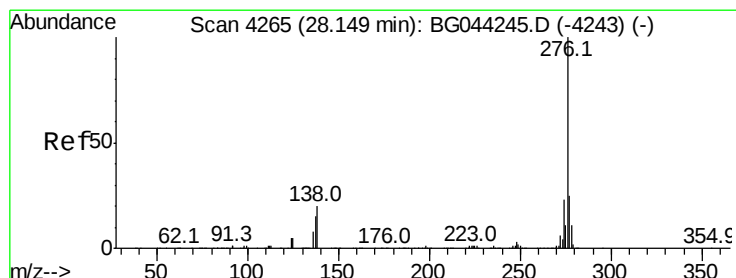
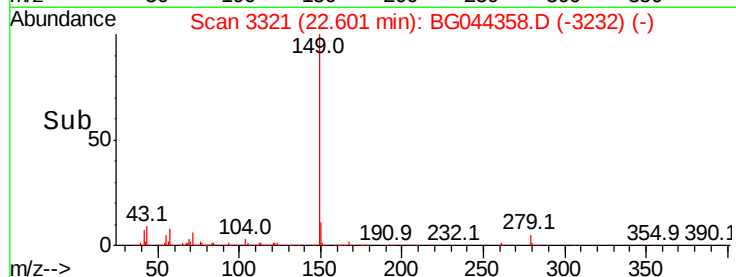
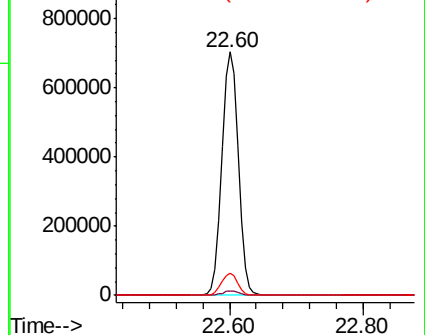
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGC



#86

Indeno(1,2,3-cd)pyrene

Concen: 37.681 ng

RT: 28.12 min Scan# 4260

Delta R.T. 0.00 min

Lab File: BG044358.D

Acq: 10 Feb 2020 16:03

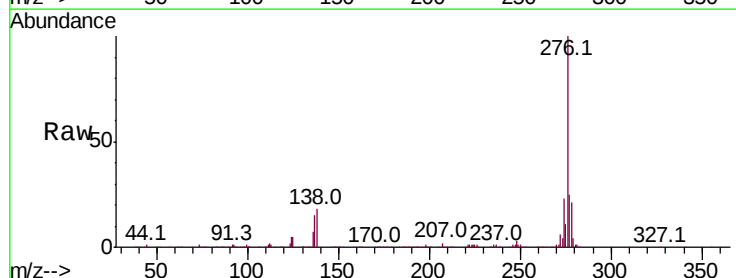
Tgt Ion:276 Resp: 1356138

Ion Ratio Lower Upper

276 100

138 23.6 19.4 29.0

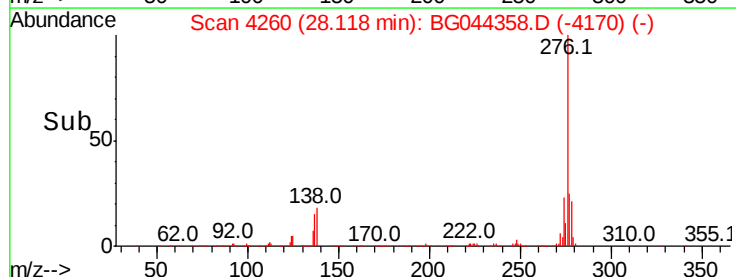
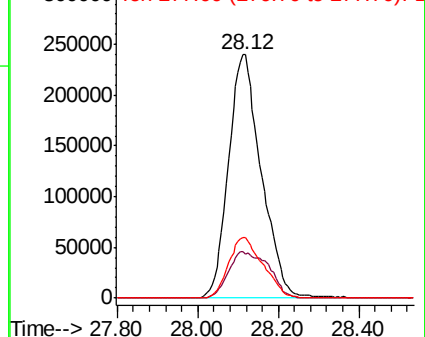
277 26.3 21.0 31.6

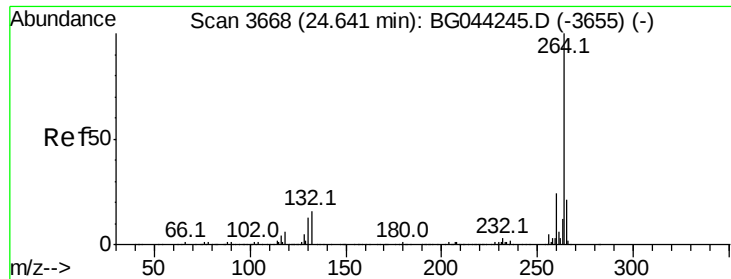


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.62 min Scan# 3664

Delta R.T. -0.01 min

Lab File: BG044358.D

Acq: 10 Feb 2020 16:03

Instrument :

BNA\_G

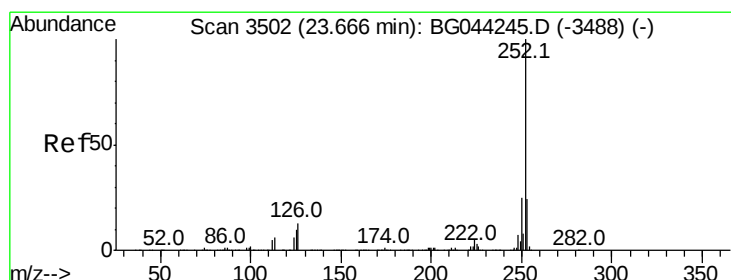
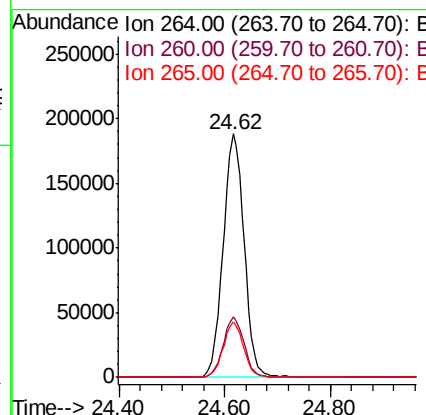
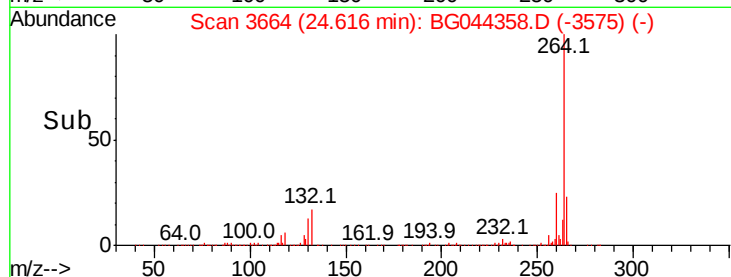
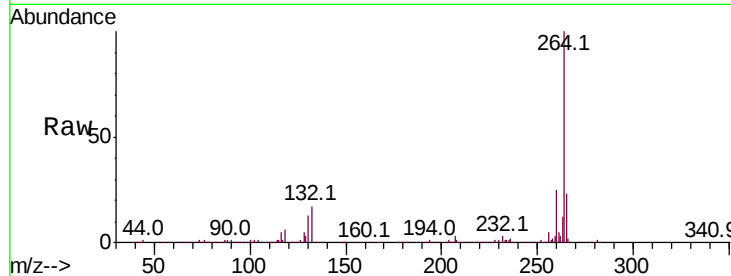
ClientSampleId :

PB126601BSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 264   | Resp: | 518046 |
| Ion Ratio | Lower | Upper |        |
| 264       | 100   |       |        |
| 260       | 24.7  | 19.4  | 29.2   |
| 265       | 22.6  | 16.7  | 25.1   |

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#88

Benzo(b)fluoranthene

Concen: 39.748 ng

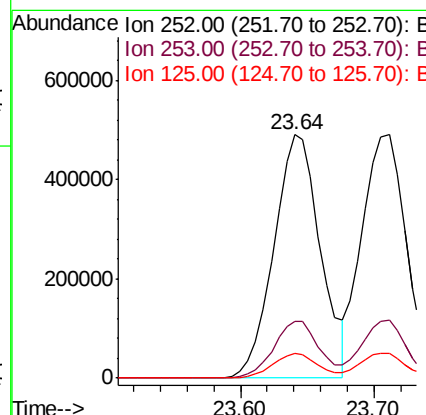
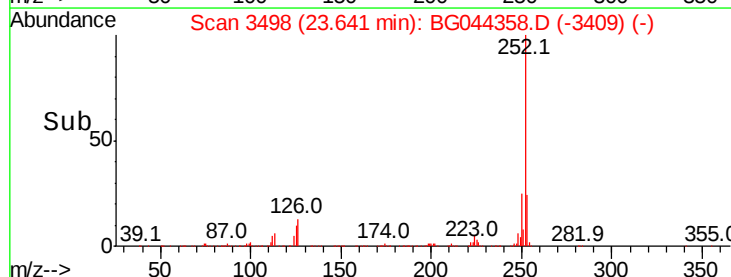
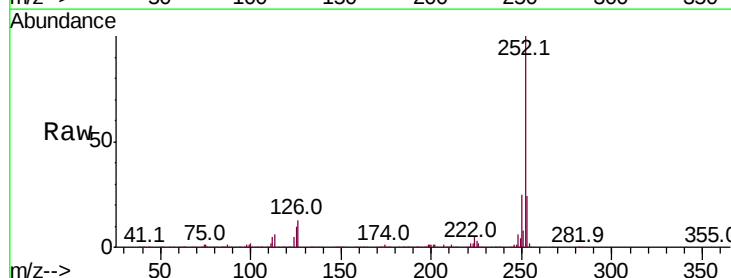
RT: 23.64 min Scan# 3498

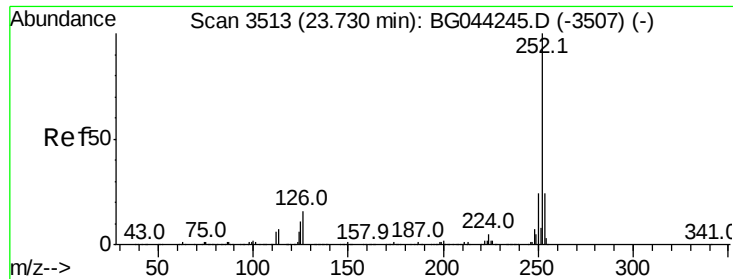
Delta R.T. -0.01 min

Lab File: BG044358.D

Acq: 10 Feb 2020 16:03

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 252   | Resp: | 1186535 |
| Ion Ratio | Lower | Upper |         |
| 252       | 100   |       |         |
| 253       | 23.6  | 19.2  | 28.8    |
| 125       | 10.1  | 8.4   | 12.6    |





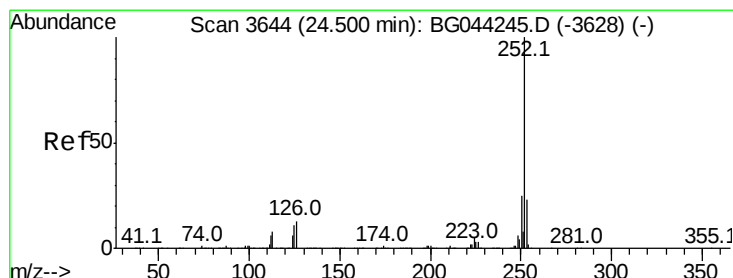
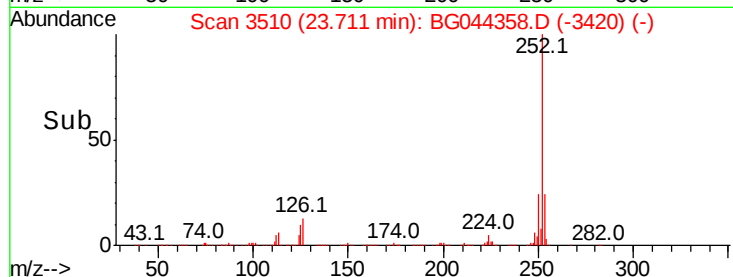
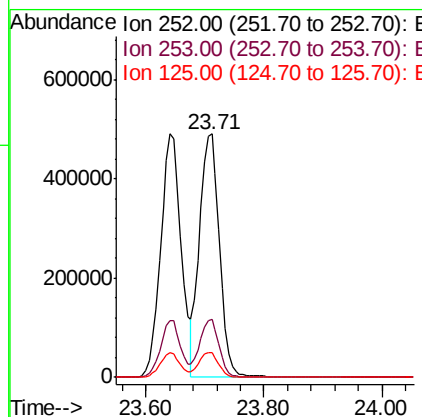
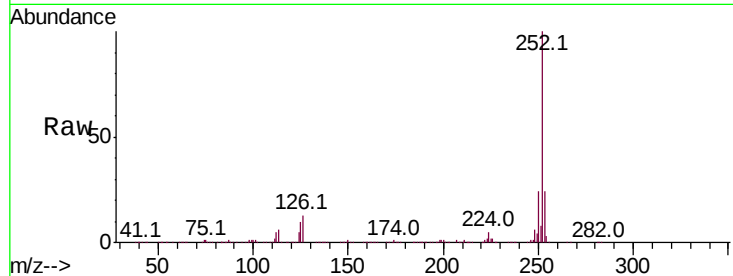
#89  
Benzo(k)fluoranthene  
Concen: 39.383 ng  
RT: 23.71 min Scan# 3510  
Delta R.T. 0.00 min  
Lab File: BG044358.D  
Acq: 10 Feb 2020 16:03

Instrument :  
BNA\_G  
ClientSampleId :  
PB126601BSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.9  | 19.1  | 28.7  |
| 125     | 10.0  | 8.6   | 12.8  |

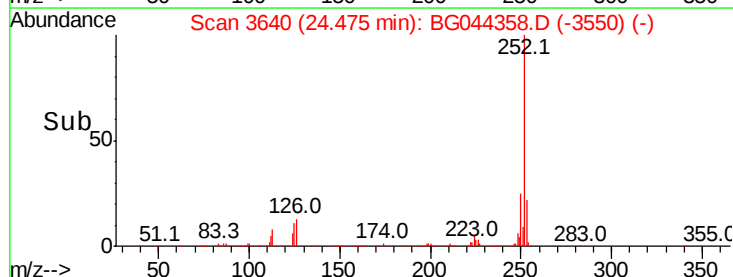
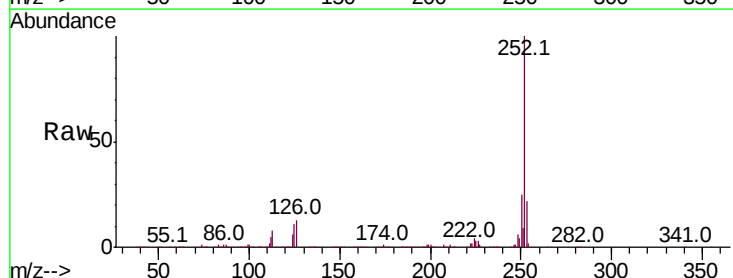
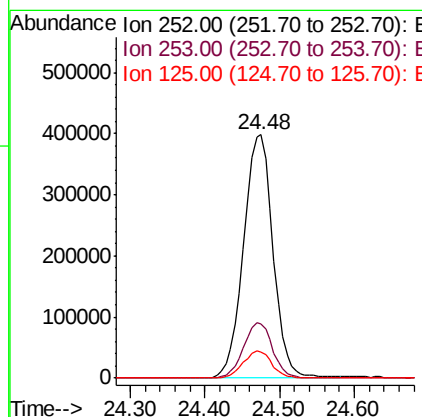
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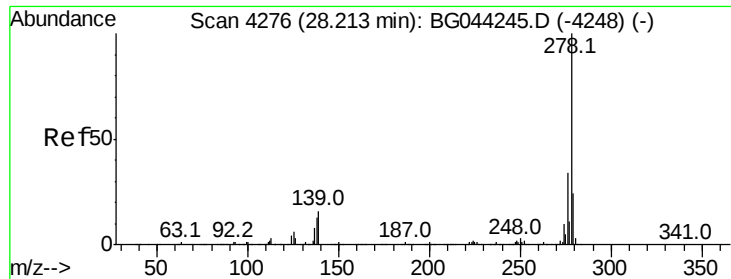
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#90  
Benzo(a)pyrene  
Concen: 38.522 ng  
RT: 24.48 min Scan# 3640  
Delta R.T. 0.00 min  
Lab File: BG044358.D  
Acq: 10 Feb 2020 16:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.1  | 18.1  | 27.1  |
| 125     | 10.6  | 8.6   | 13.0  |





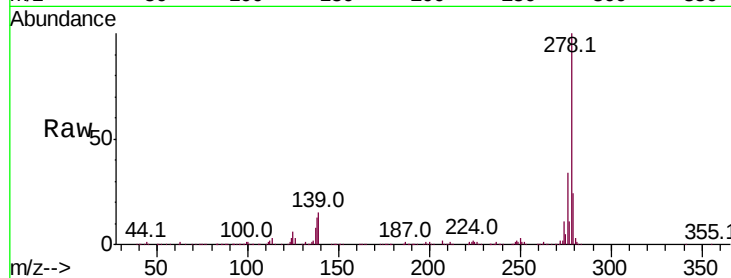
#91  
Dibenzo(a,h)anthracene  
Concen: 40.243 ng  
RT: 28.17 min Scan# 4269  
Delta R.T. -0.01 min  
Lab File: BG044358.D  
Acq: 10 Feb 2020 16:03

Instrument :  
BNA\_G  
ClientSampleId :  
PB126601BSD

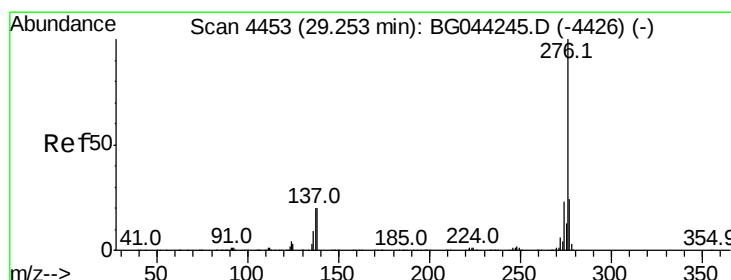
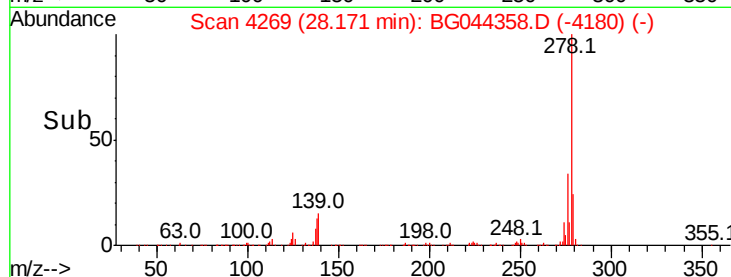
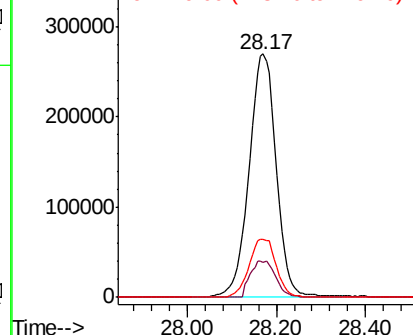
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 14.5  | 12.7  | 19.1  |
| 279     | 23.8  | 19.3  | 28.9  |

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Abundance Ion 278.00 (277.70 to 278.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 279.00 (278.70 to 279.70): E



#92  
Benzo(g,h,i)perylene  
Concen: 40.682 ng  
RT: 29.20 min Scan# 4445  
Delta R.T. 0.00 min  
Lab File: BG044358.D  
Acq: 10 Feb 2020 16:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 24.6  | 18.8  | 28.2  |
| 138     | 19.4  | 16.2  | 24.2  |

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

