

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG103019\  
 Data File : BG043409.D  
 Acq On : 30 Oct 2019 20:33  
 Operator : JU  
 Sample : K5501-13MS  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 184-40-(0-2)MS

Manual Integrations  
 APPROVED

mohammad  
 10/31/2019 2:52:00 PM

Quant Time: Oct 31 05:50:52 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 21 16:37:43 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.02  | 152  | 43127    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.83 | 136  | 167755   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 14.65 | 164  | 118191   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 17.39 | 188  | 275996   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.66 | 240  | 304729   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 24.85 | 264  | 356298   | 20.00 | ng    | -0.02    |

## System Monitoring Compounds

|                          |       |     |        |       |    |      |
|--------------------------|-------|-----|--------|-------|----|------|
| 5) 2-Fluorophenol        | 5.61  | 112 | 219777 | 93.38 | ng | 0.00 |
| 7) Phenol-d6             | 7.21  | 99  | 316845 | 93.57 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 9.19  | 82  | 188798 | 58.02 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.14 | 330 | 194421 | 86.44 | ng | 0.00 |
| 45) 2-Fluorobiphenyl     | 13.27 | 172 | 520237 | 60.82 | ng | 0.00 |
| 79) Terphenyl-d14        | 20.00 | 244 | 970060 | 59.72 | ng | 0.00 |

## Target Compounds

|                                |       |     |        |        |    | Qvalue |
|--------------------------------|-------|-----|--------|--------|----|--------|
| 2) 1,4-Dioxane                 | 3.49  | 88  | 30514  | 33.271 | ng | 96     |
| 3) Pyridine                    | 3.89  | 79  | 74663  | 32.272 | ng | 96     |
| 4) n-Nitrosodimethylamine      | 3.81  | 42  | 44099  | 37.774 | ng | 99     |
| 6) Aniline                     | 7.35  | 93  | 87039  | 22.314 | ng | 99     |
| 8) 2-Chlorophenol              | 7.59  | 128 | 104937 | 40.391 | ng | 97     |
| 9) Benzaldehyde                | 7.16  | 77  | 56536  | 33.974 | ng | 93     |
| 10) Phenol                     | 7.24  | 94  | 141464 | 45.718 | ng | 98     |
| 11) bis(2-Chloroethyl)ether    | 7.44  | 93  | 89126  | 37.255 | ng | 99     |
| 12) 1,3-Dichlorobenzene        | 7.91  | 146 | 113704 | 34.931 | ng | 98     |
| 13) 1,4-Dichlorobenzene        | 8.05  | 146 | 118270 | 35.912 | ng | 97     |
| 14) 1,2-Dichlorobenzene        | 8.38  | 146 | 114585 | 35.634 | ng | 97     |
| 15) Benzyl Alcohol             | 8.26  | 79  | 92895  | 39.063 | ng | 96     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.55  | 45  | 120926 | 34.763 | ng | 97     |
| 17) 2-Methylphenol             | 8.48  | 107 | 88587  | 39.272 | ng | 96     |
| 18) Hexachloroethane           | 9.10  | 117 | 41579  | 34.993 | ng | 95     |
| 19) n-Nitroso-di-n-propylamine | 8.82  | 70  | 76470  | 34.949 | ng | 98     |
| 20) 3+4-Methylphenols          | 8.81  | 107 | 123024 | 39.773 | ng | 93     |
| 22) Acetophenone               | 8.85  | 105 | 155928 | 36.296 | ng | # 97   |
| 24) Nitrobenzene               | 9.23  | 77  | 116456 | 37.570 | ng | 94     |
| 25) Isophorone                 | 9.75  | 82  | 220743 | 37.105 | ng | 99     |
| 26) 2-Nitrophenol              | 9.94  | 139 | 60034  | 40.116 | ng | 94     |
| 27) 2,4-Dimethylphenol         | 10.00 | 122 | 92157  | 42.966 | ng | 97     |
| 28) bis(2-Chloroethoxy)methane | 10.23 | 93  | 119845 | 36.500 | ng | 96     |
| 29) 2,4-Dichlorophenol         | 10.49 | 162 | 114335 | 41.604 | ng | 96     |
| 30) 1,2,4-Trichlorobenzene     | 10.69 | 180 | 127490 | 36.807 | ng | 98     |
| 31) Naphthalene                | 10.87 | 128 | 330818 | 38.850 | ng | 99     |
| 32) Benzoic acid               | 10.18 | 122 | 53745  | 35.679 | ng | 88     |
| 33) 4-Chloroaniline            | 11.00 | 127 | 42616  | 12.209 | ng | 98     |
| 34) Hexachlorobutadiene        | 11.16 | 225 | 90344  | 35.284 | ng | 97     |
| 35) Caprolactam                | 11.76 | 113 | 35844m | 37.871 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 12.12 | 107 | 121233 | 40.442 | ng | 96     |
| 37) 2-Methylnaphthalene        | 12.48 | 142 | 257735 | 39.448 | ng | 97     |
| 38) 1-Methylnaphthalene        | 12.69 | 142 | 240681 | 38.717 | ng | 96     |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.85 | 216 | 164762 | 37.668 | ng | 98     |

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 QLast Update : Mon Oct 21 16:37:43 2019  
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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 12.83 | 237  | 187553   | 81.625 | nq    | 96       |
| 43) 2,4,6-Trichlorophenol      | 13.09 | 196  | 104734   | 40.659 | nq    | 98       |
| 44) 2,4,5-Trichlorophenol      | 13.18 | 196  | 114787   | 44.077 | nq    | 98       |
| 46) 1,1'-Biphenyl              | 13.48 | 154  | 341932   | 38.029 | nq    | 97       |
| 47) 2-Chloronaphthalene        | 13.53 | 162  | 267338   | 39.077 | nq    | 99       |
| 48) 2-Nitroaniline             | 13.73 | 65   | 78493    | 38.388 | nq    | 96       |
| 49) Acenaphthylene             | 14.37 | 152  | 428491   | 40.244 | nq    | 97       |
| 50) Dimethylphthalate          | 14.10 | 163  | 417656   | 45.622 | nq    | 99       |
| 51) 2,6-Dinitrotoluene         | 14.22 | 165  | 79046    | 39.745 | nq    | 98       |
| 52) Acenaphthene               | 14.72 | 154  | 255449   | 39.341 | nq    | 98       |
| 53) 3-Nitroaniline             | 14.56 | 138  | 41073    | 21.390 | nq    | 87       |
| 54) 2,4-Dinitrophenol          | 14.76 | 184  | 87967    | 71.665 | nq    | 95       |
| 55) Dibenzofuran               | 15.04 | 168  | 422418   | 40.117 | nq    | 99       |
| 56) 4-Nitrophenol              | 14.89 | 139  | 118593   | 92.163 | nq    | 95       |
| 57) 2,4-Dinitrotoluene         | 15.01 | 165  | 111234   | 39.135 | nq    | 98       |
| 58) Fluorene                   | 15.70 | 166  | 347897   | 39.393 | nq    | 96       |
| 59) 2,3,4,6-Tetrachlorophenol  | 15.28 | 232  | 115778   | 41.844 | nq    | # 98     |
| 60) Diethylphthalate           | 15.46 | 149  | 345730   | 37.585 | nq    | 99       |
| 61) 4-Chlorophenyl-phenylether | 15.69 | 204  | 199127   | 38.650 | nq    | 96       |
| 62) 4-Nitroaniline             | 15.73 | 138  | 70716    | 35.660 | nq    | 92       |
| 63) Azobenzene                 | 15.98 | 77   | 289536   | 38.892 | nq    | 98       |
| 65) 4,6-Dinitro-2-methylphenol | 15.77 | 198  | 70445    | 43.371 | nq    | 98       |
| 66) n-Nitrosodiphenylamine     | 15.90 | 169  | 309485   | 39.718 | nq    | 99       |
| 67) 4-Bromophenyl-phenylether  | 16.58 | 248  | 142204   | 38.286 | nq    | 96       |
| 68) Hexachlorobenzene          | 16.70 | 284  | 157894   | 37.034 | nq    | 96       |
| 69) Atrazine                   | 16.85 | 200  | 133778   | 49.409 | nq    | 95       |
| 70) Pentachlorophenol          | 17.05 | 266  | 170603   | 87.816 | nq    | 93       |
| 71) Phenanthrene               | 17.44 | 178  | 553931   | 39.194 | nq    | 100      |
| 72) Anthracene                 | 17.53 | 178  | 563953   | 39.882 | nq    | 99       |
| 73) Carbazole                  | 17.80 | 167  | 501843   | 39.191 | nq    | 100      |
| 74) Di-n-butylphthalate        | 18.35 | 149  | 602267   | 38.763 | nq    | 99       |
| 75) Fluoranthene               | 19.45 | 202  | 727963   | 39.509 | nq    | 100      |
| 77) Benzidine                  | 19.63 | 184  | 180670   | 29.460 | nq    | 99       |
| 78) Pyrene                     | 19.80 | 202  | 739918   | 39.227 | nq    | 99       |
| 80) Butylbenzylphthalate       | 20.69 | 149  | 276264   | 38.659 | nq    | 99       |
| 81) Benzo(a)anthracene         | 21.64 | 228  | 764091   | 40.030 | nq    | 99       |
| 82) 3,3'-Dichlorobenzidine     | 21.55 | 252  | 189651   | 25.688 | nq    | 97       |
| 83) Chrysene                   | 21.71 | 228  | 755944   | 39.859 | nq    | 100      |
| 84) Bis(2-ethylhexyl)phthalate | 21.54 | 149  | 402767   | 39.677 | nq    | 99       |
| 85) Di-n-octyl phthalate       | 22.74 | 149  | 703785   | 40.865 | nq    | 100      |
| 86) Indeno(1,2,3-cd)pyrene     | 28.49 | 276  | 975046   | 40.957 | nq    | # 96     |
| 88) Benzo(b)fluoranthene       | 23.85 | 252  | 813655   | 40.321 | nq    | 99       |
| 89) Benzo(k)fluoranthene       | 23.91 | 252  | 805007   | 39.626 | nq    | 99       |
| 90) Benzo(a)pyrene             | 24.70 | 252  | 751985   | 39.024 | nq    | 98       |
| 91) Dibenzo(a,h)anthracene     | 28.55 | 278  | 827391   | 41.977 | nq    | 99       |
| 92) Benzo(g,h,i)perylene       | 29.64 | 276  | 829756   | 42.678 | nq    | 97       |

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





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.02 min Scan# 839

Delta R.T. -0.01 min

Lab File: BG043409.D

Acq: 30 Oct 2019 20:33

Instrument :

BNA\_G

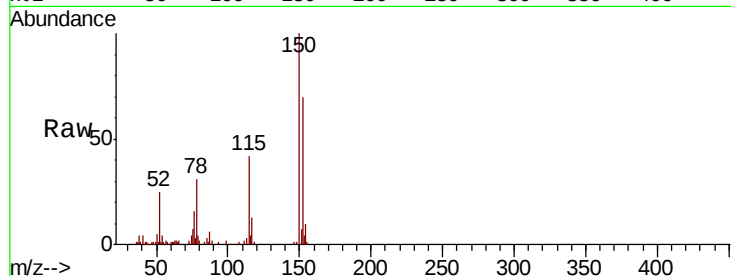
ClientSampleId :

184-40-(0-2)MS

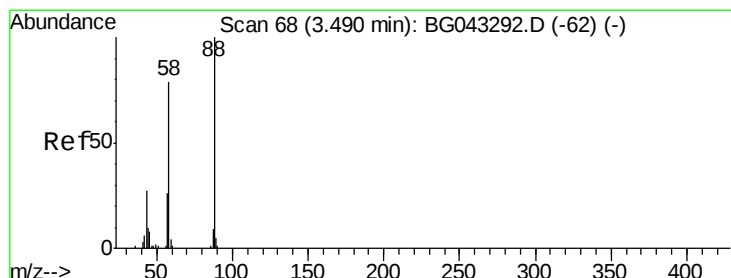
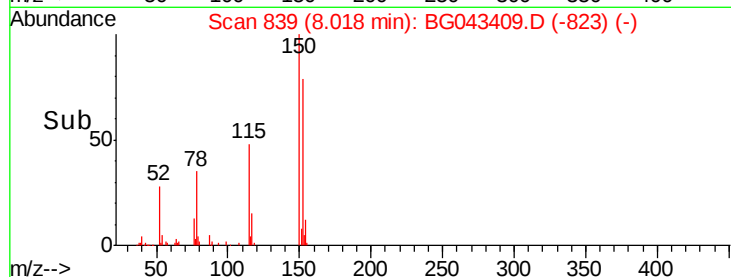
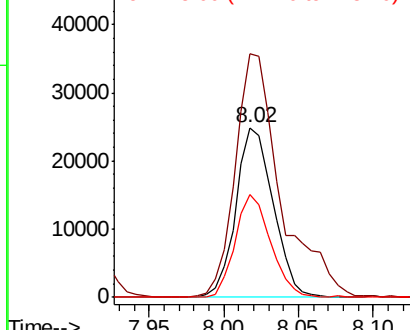
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 152   | Resp: | 43127 |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 150       | 143.6 | 113.6 | 170.4 |
| 115       | 60.8  | 45.9  | 68.9  |

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



#2

1,4-Dioxane

Concen: 33.271 ng

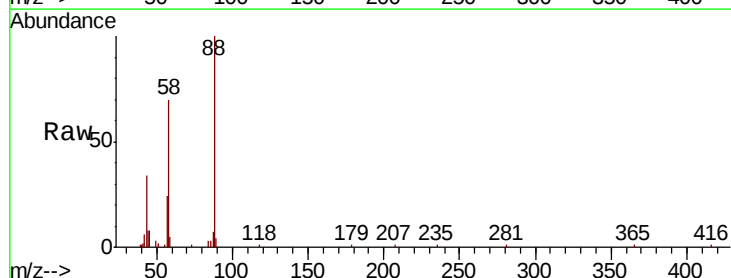
RT: 3.49 min Scan# 68

Delta R.T. -0.00 min

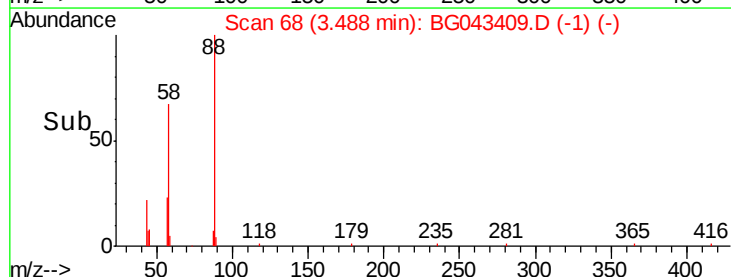
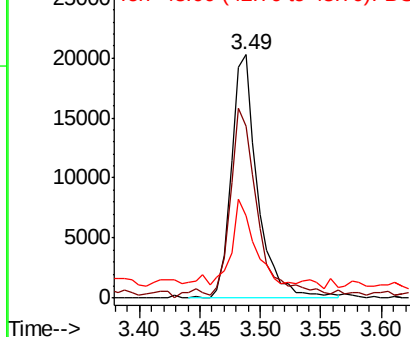
Lab File: BG043409.D

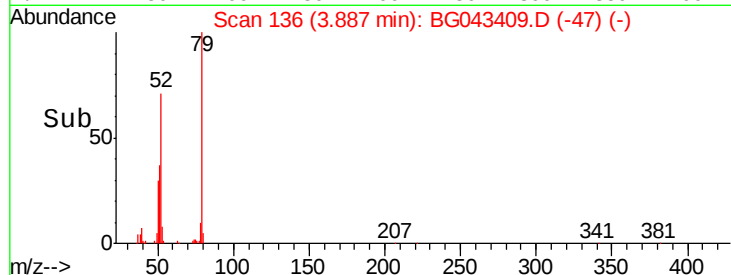
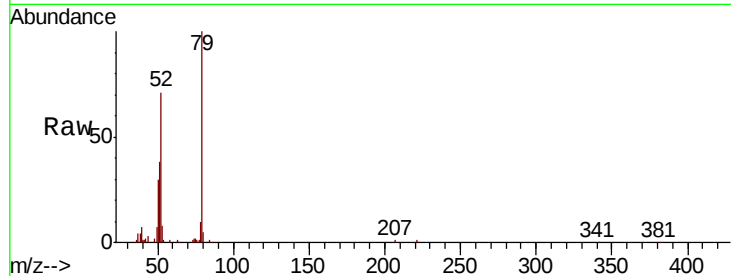
Acq: 30 Oct 2019 20:33

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 88    | Resp: | 30514 |
| Ion Ratio | Lower | Upper |       |
| 88        | 100   |       |       |
| 58        | 77.0  | 60.2  | 90.2  |
| 43        | 33.1  | 22.7  | 34.1  |



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





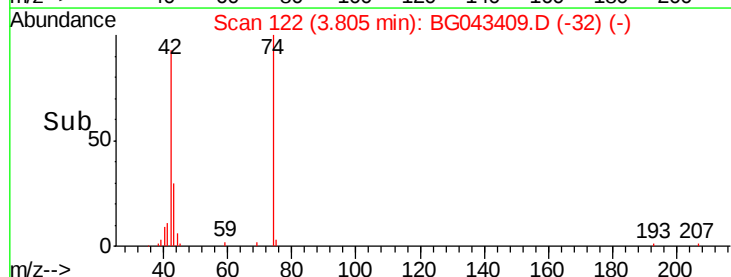
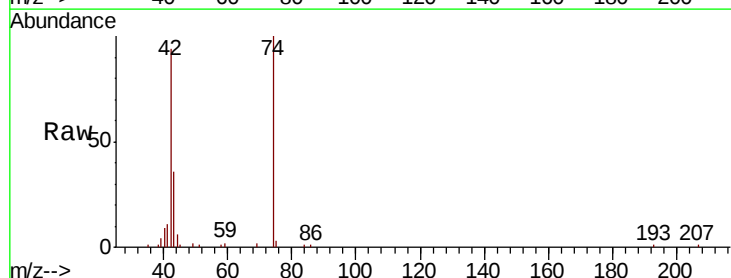
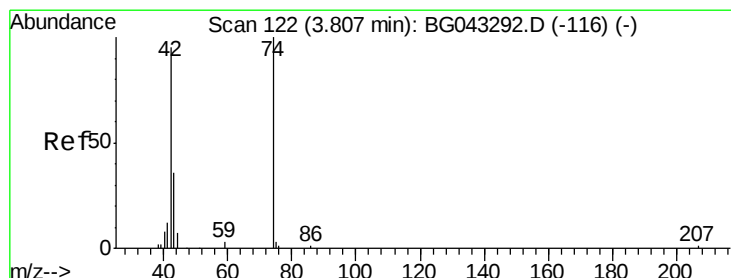
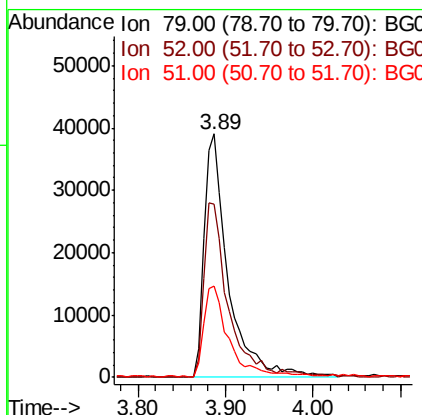
#3  
 Pvridine  
 Concen: 32.272 ng  
 RT: 3.89 min Scan# 136  
 Delta R.T. -0.01 min  
 Lab File: BG043409.D  
 Acq: 30 Oct 2019 20:33

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 52      | 71.0  | 59.7  | 89.5  |
| 51      | 37.7  | 31.8  | 47.6  |

Instrument :  
 BNA\_G  
 ClientSampleId :  
 184-40-(0-2)MS

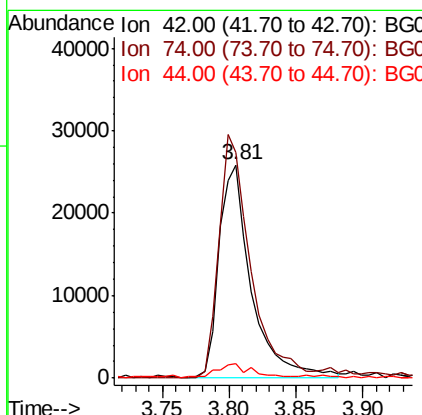
Manual Integrations  
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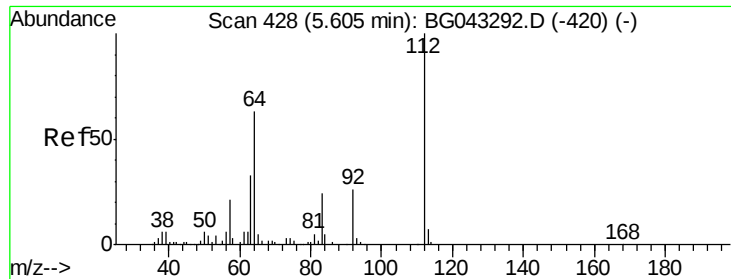
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 10/31/2019 2:52:00 PM



#4  
 n-Nitrosodimethylamine  
 Concen: 37.774 ng  
 RT: 3.81 min Scan# 122  
 Delta R.T. -0.00 min  
 Lab File: BG043409.D  
 Acq: 30 Oct 2019 20:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 74      | 106.0 | 84.2  | 126.2 |
| 44      | 6.8   | 6.0   | 9.0   |





#5

2-Fluorophenol

Concen: 93.382 ng

RT: 5.61 min Scan# 429

Delta R.T. 0.00 min

Lab File: BG043409.D

Acq: 30 Oct 2019 20:33

Instrument :

BNA\_G

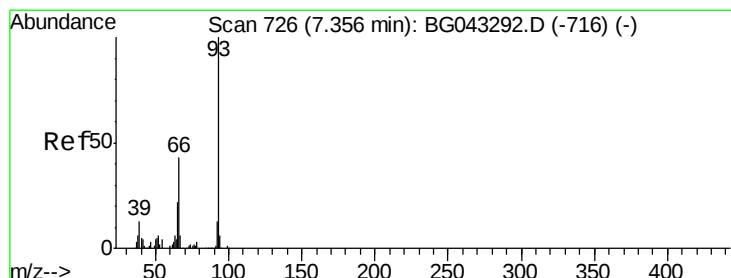
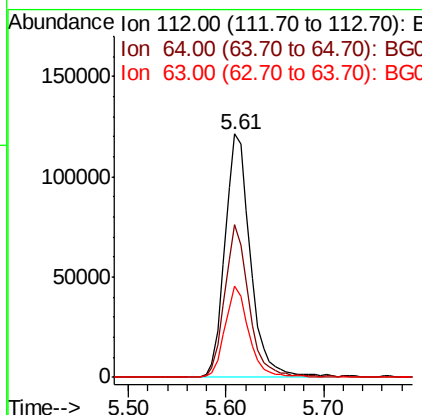
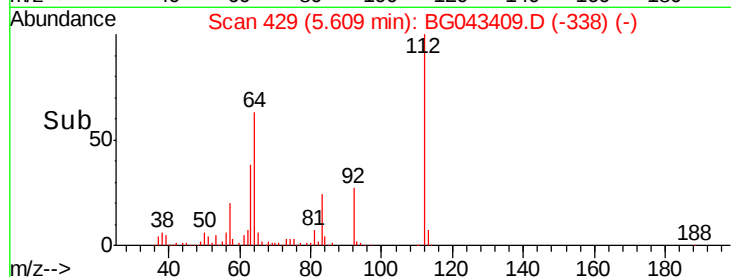
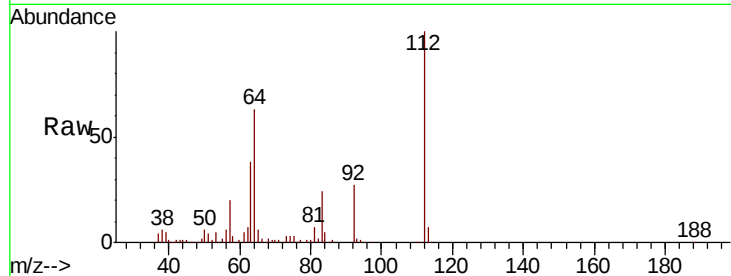
ClientSampleId :

184-40-(0-2)MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 112   | Resp: | 219777 |
| Ion Ratio | Lower | Upper |        |
| 112       | 100   |       |        |
| 64        | 62.6  | 50.2  | 75.2   |
| 63        | 37.7  | 26.7  | 40.1   |

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#6

Aniline

Concen: 22.314 ng

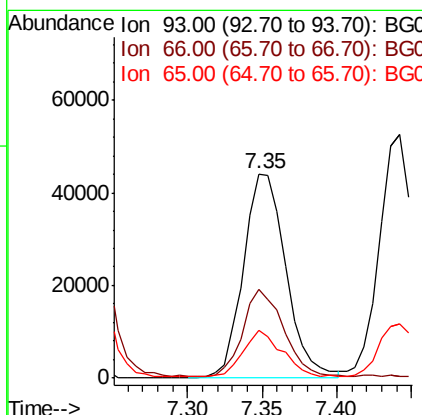
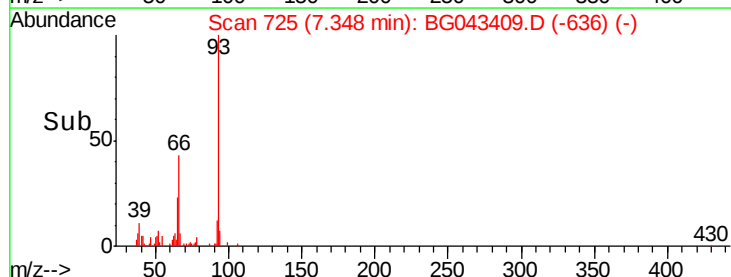
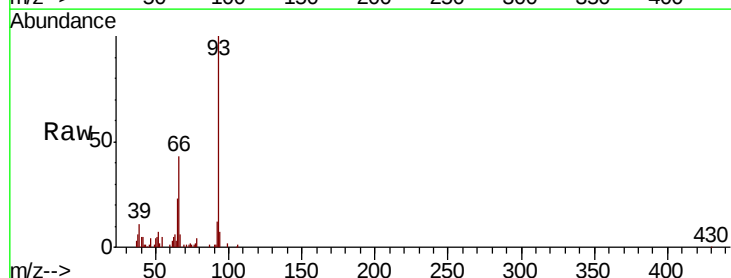
RT: 7.35 min Scan# 725

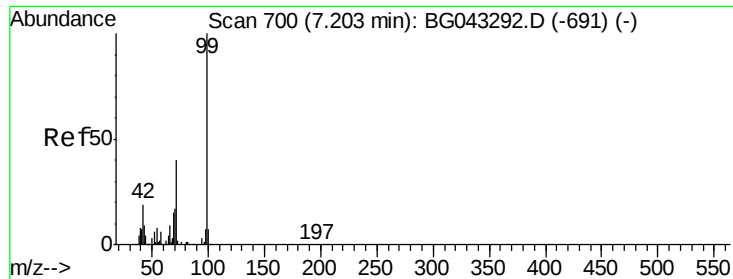
Delta R.T. -0.01 min

Lab File: BG043409.D

Acq: 30 Oct 2019 20:33

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 93    | Resp: | 87039 |
| Ion Ratio | Lower | Upper |       |
| 93        | 100   |       |       |
| 66        | 43.4  | 34.5  | 51.7  |
| 65        | 23.1  | 18.0  | 27.0  |





#7

Phenol-d6

Concen: 93.571 ng

RT: 7.21 min Scan# 701

Delta R.T. 0.00 min

Lab File: BG043409.D

Acq: 30 Oct 2019 20:33

Instrument :

BNA\_G

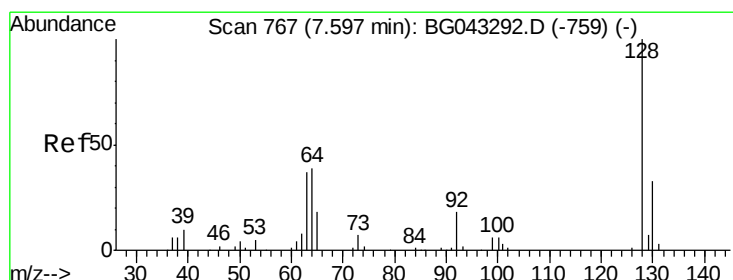
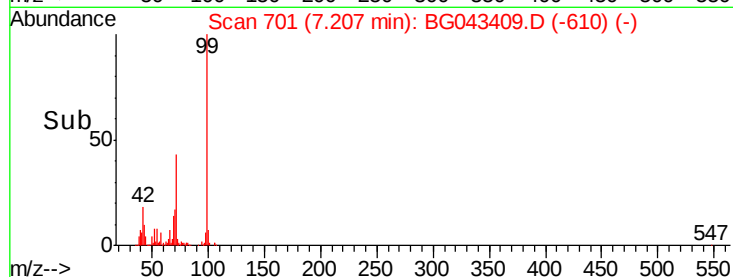
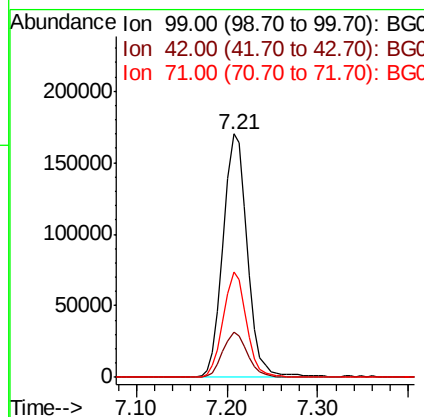
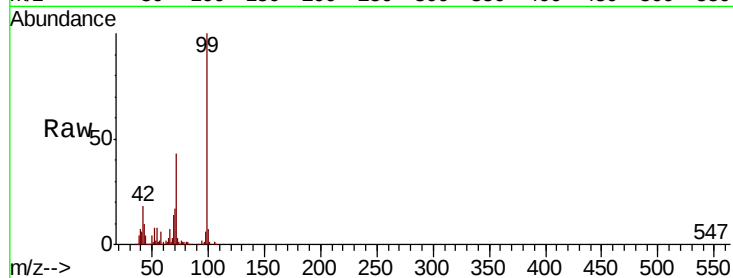
ClientSampleId :

184-40-(0-2)MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 99    | Resp: | 316845 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 18.4  | 14.9  | 22.3   |
| 71        | 43.1  | 32.2  | 48.2   |

Manual Integrations  
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#8

2-Chlorophenol

Concen: 40.391 ng

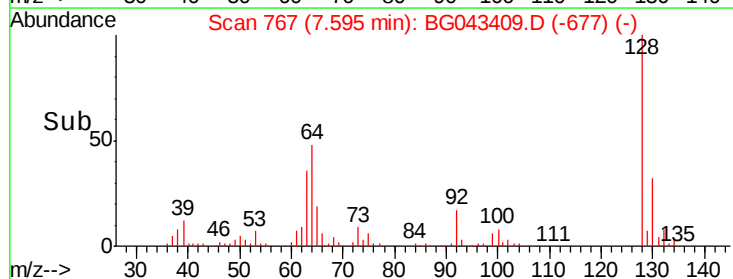
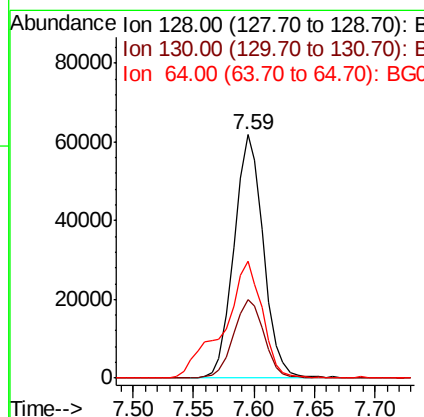
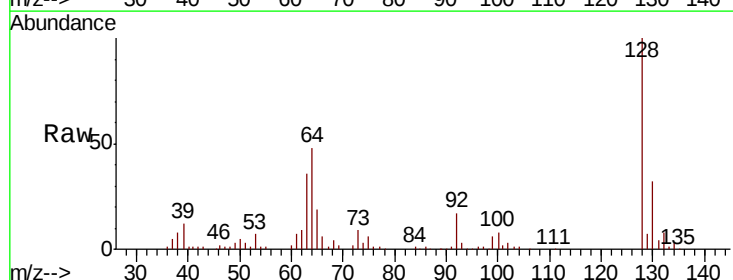
RT: 7.59 min Scan# 767

Delta R.T. -0.00 min

Lab File: BG043409.D

Acq: 30 Oct 2019 20:33

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 128   | Resp: | 104937 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 130       | 32.2  | 12.9  | 52.9   |
| 64        | 47.9  | 24.9  | 64.9   |





#9

Benzaldehyde

Concen: 33.974 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG043409.D

Acq: 30 Oct 2019 20:33

Instrument :

BNA\_G

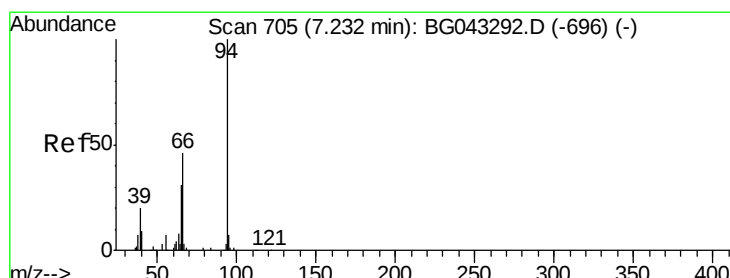
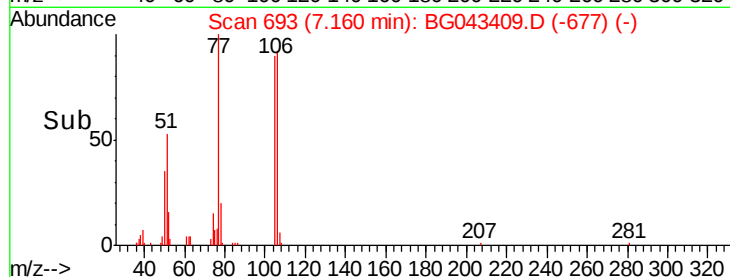
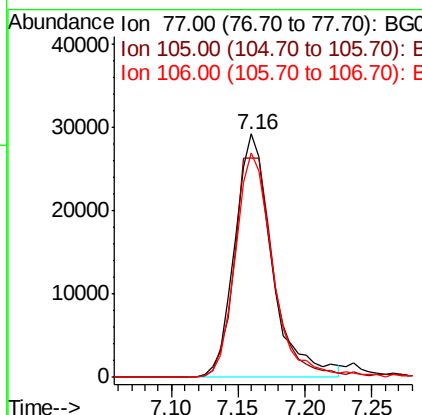
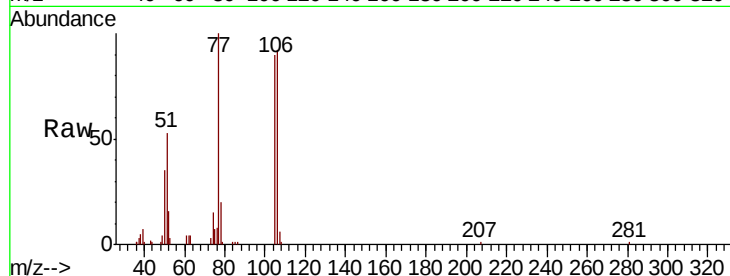
ClientSampleId :

184-40-(0-2)MS

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 77    | Resp: | 56536 |
| Ion      | Ratio | Lower | Upper |
| 77       | 100   |       |       |
| 105      | 90.3  | 68.7  | 108.7 |
| 106      | 91.9  | 60.5  | 100.5 |

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#10

Phenol

Concen: 45.718 ng

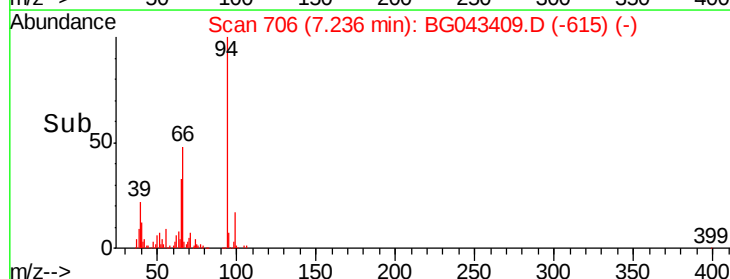
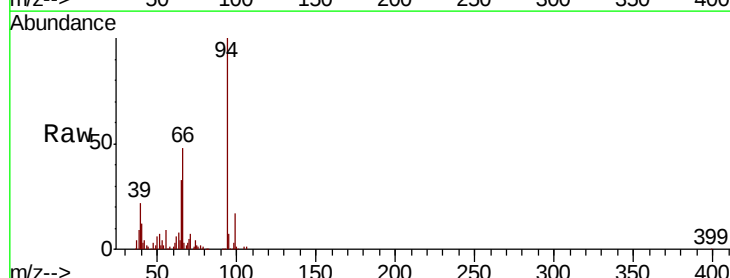
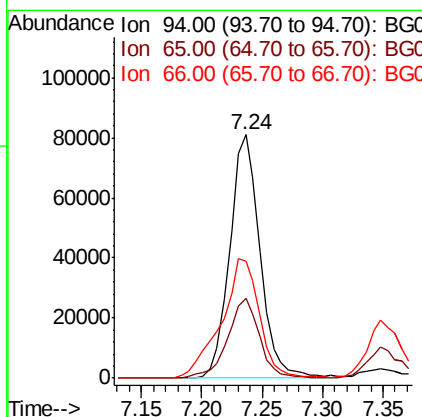
RT: 7.24 min Scan# 706

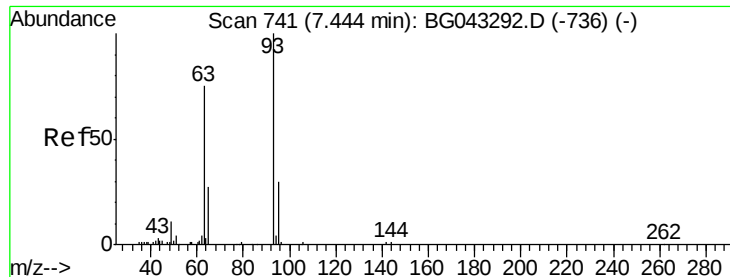
Delta R.T. 0.00 min

Lab File: BG043409.D

Acq: 30 Oct 2019 20:33

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 94    | Resp: | 141464 |
| Ion      | Ratio | Lower | Upper  |
| 94       | 100   |       |        |
| 65       | 33.0  | 11.1  | 51.1   |
| 66       | 48.0  | 27.8  | 67.8   |





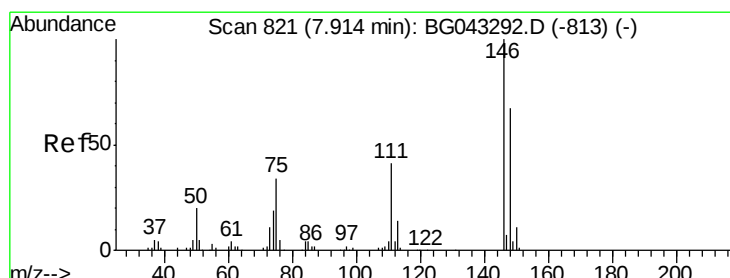
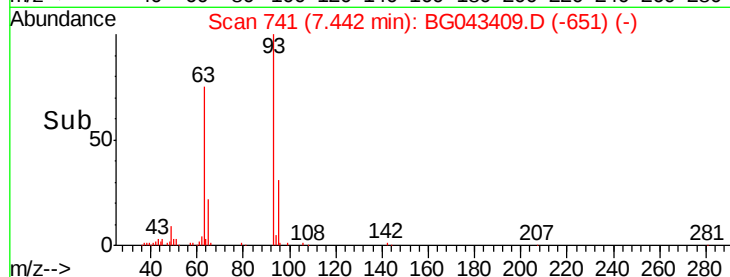
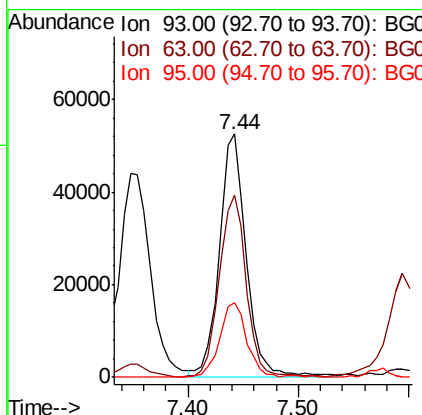
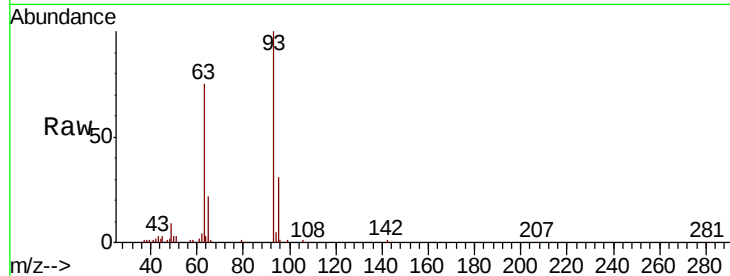
#11  
bis(2-Chloroethyl)ether  
Concen: 37.255 ng  
RT: 7.44 min Scan# 741  
Delta R.T. -0.00 min  
Lab File: BG043409.D  
Acq: 30 Oct 2019 20:33

Instrument :  
BNA\_G  
ClientSampleId :  
184-40-(0-2)MS

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 93    | Resp: | 89126 |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 63       | 74.8  | 54.6  | 94.6  |
| 95       | 30.8  | 9.7   | 49.7  |

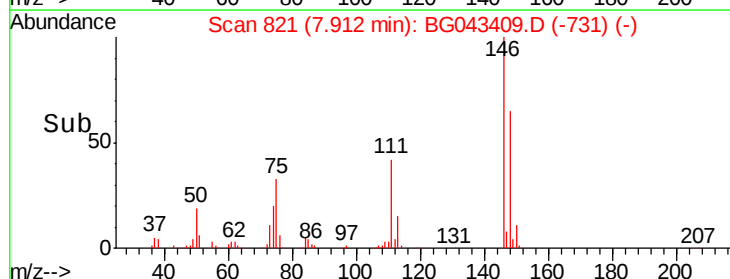
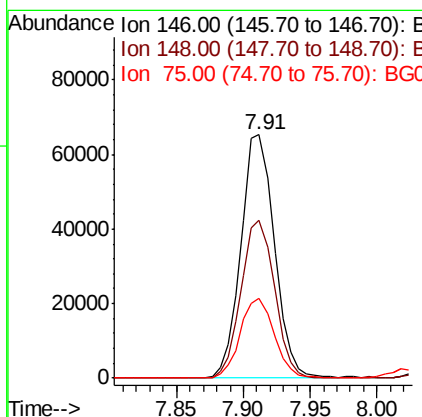
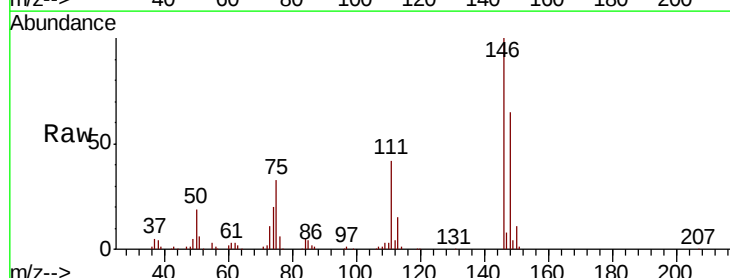
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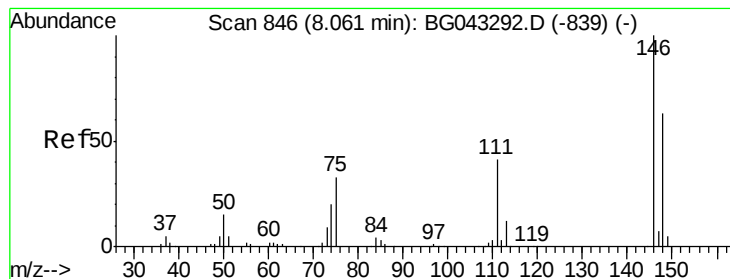
mohammad  
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#12  
1,3-Dichlorobenzene  
Concen: 34.931 ng  
RT: 7.91 min Scan# 821  
Delta R.T. -0.00 min  
Lab File: BG043409.D  
Acq: 30 Oct 2019 20:33

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 146   | Resp: | 113704 |
| Ion      | Ratio | Lower | Upper  |
| 146      | 100   |       |        |
| 148      | 65.0  | 53.4  | 80.2   |
| 75       | 32.5  | 27.0  | 40.4   |





#13

1,4-Dichlorobenzene

Concen: 35.912 ng

RT: 8.05 min Scan# 845

Delta R.T. -0.01 min

Lab File: BG043409.D

Acq: 30 Oct 2019 20:33

Instrument :

BNA\_G

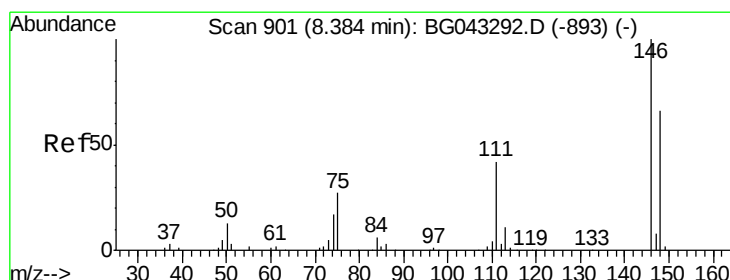
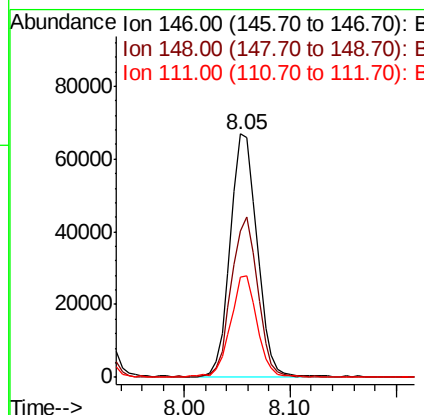
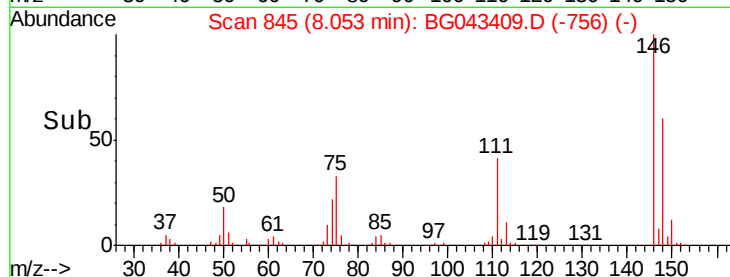
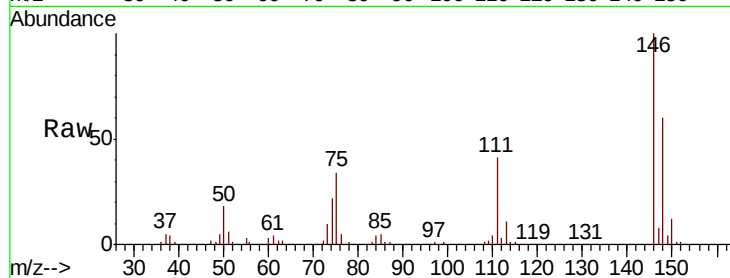
ClientSampleId :

184-40-(0-2)MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 59.9  | 50.7  | 76.1  |
| 111     | 41.3  | 33.0  | 49.6  |

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#14

1,2-Dichlorobenzene

Concen: 35.634 ng

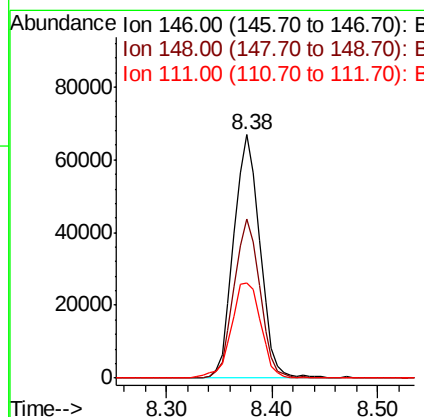
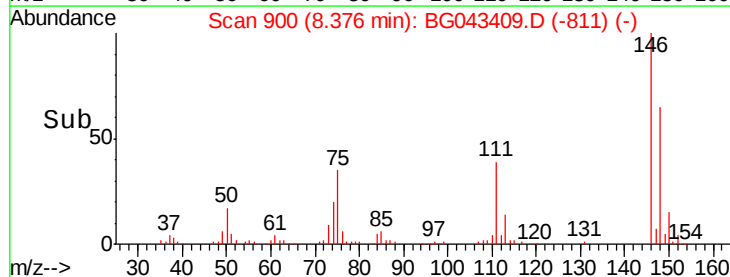
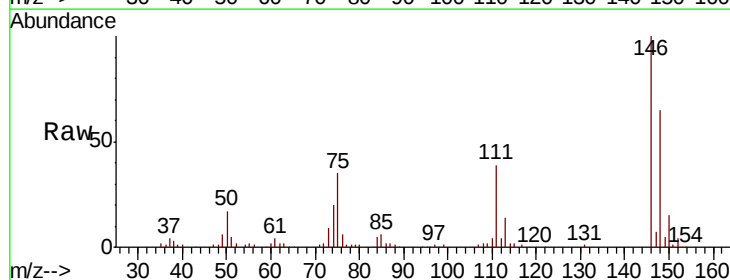
RT: 8.38 min Scan# 900

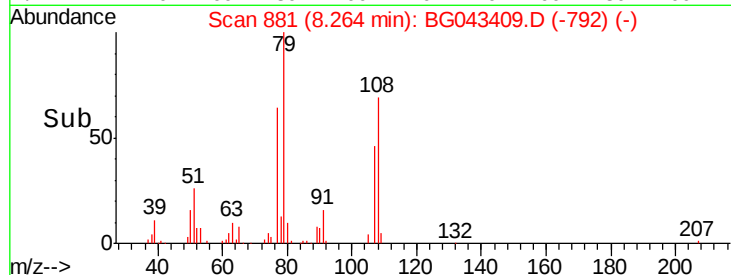
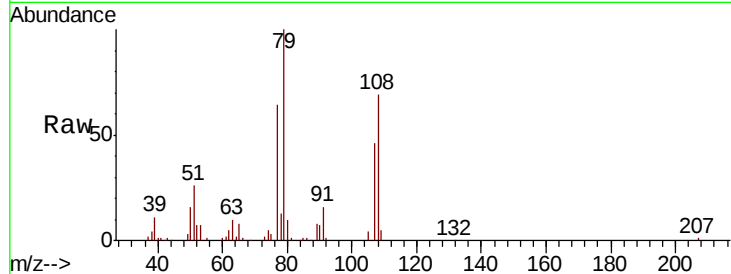
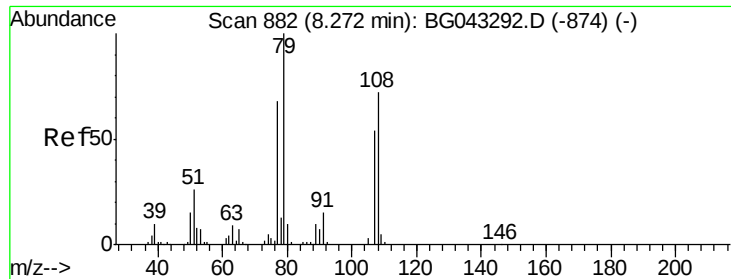
Delta R.T. -0.01 min

Lab File: BG043409.D

Acq: 30 Oct 2019 20:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 65.2  | 53.0  | 79.4  |
| 111     | 39.1  | 34.5  | 51.7  |





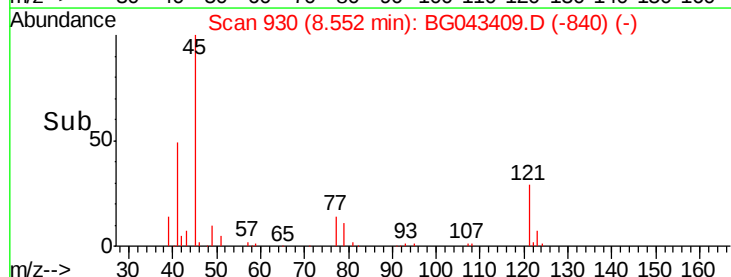
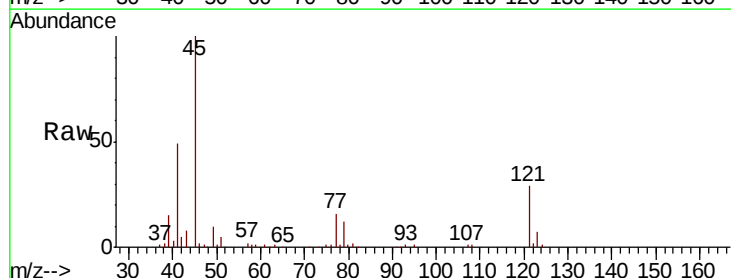
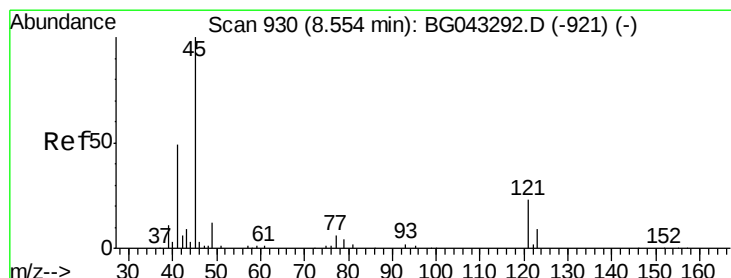
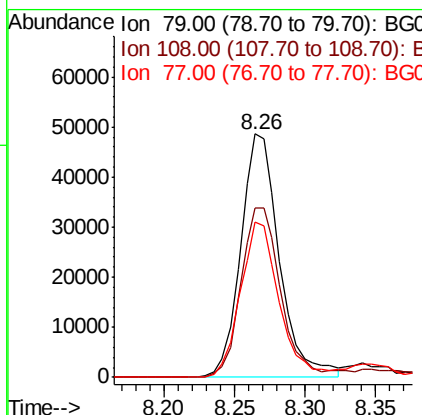
#15  
Benzyl Alcohol  
Concen: 39.063 ng  
RT: 8.26 min Scan# 881  
Delta R.T. -0.01 min  
Lab File: BG043409.D  
Acq: 30 Oct 2019 20:33

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 108     | 69.3  | 57.3  | 85.9  |
| 77      | 63.9  | 54.6  | 81.8  |

Instrument :  
BNA\_G  
ClientSampleId :  
184-40-(0-2)MS

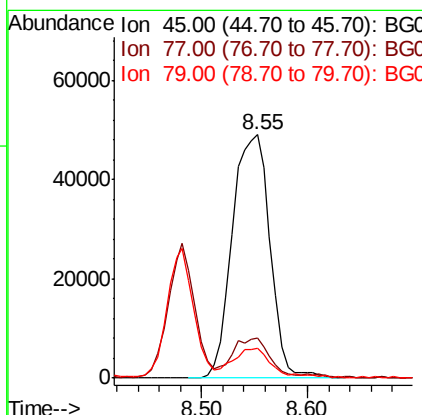
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#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 34.763 ng  
RT: 8.55 min Scan# 930  
Delta R.T. -0.00 min  
Lab File: BG043409.D  
Acq: 30 Oct 2019 20:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 77      | 16.2  | 0.0   | 34.2  |
| 79      | 12.0  | 0.0   | 32.3  |





#17

2-Methylphenol

Concen: 39.272 ng

RT: 8.48 min Scan# 918

Delta R.T. 0.00 min

Lab File: BG043409.D

Acq: 30 Oct 2019 20:33

Instrument :

BNA\_G

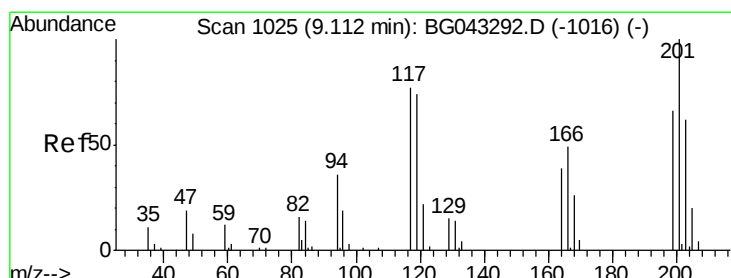
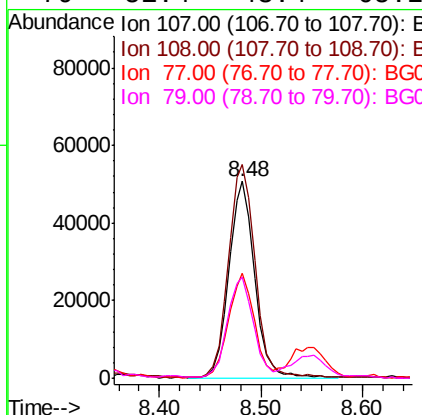
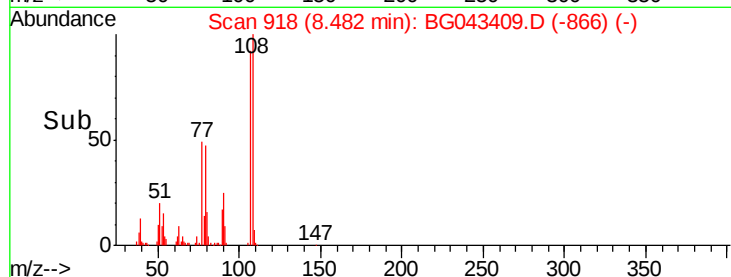
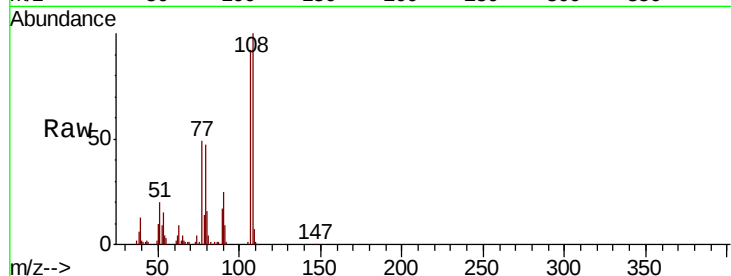
ClientSampleId :

184-40-(0-2)MS

| Tot Ion   | 107   | Resp  | 88587 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 107       | 100   |       |       |
| 108       | 108.4 | 91.3  | 136.9 |
| 77        | 53.4  | 43.0  | 64.6  |
| 79        | 51.4  | 43.4  | 65.2  |

Manual Integrations  
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#18

Hexachloroethane

Concen: 34.993 ng

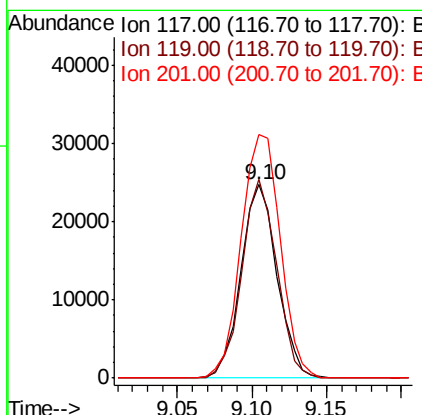
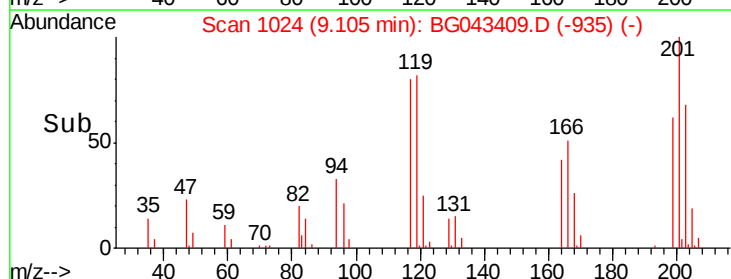
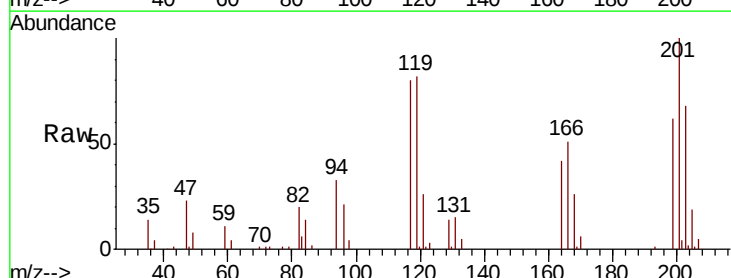
RT: 9.10 min Scan# 1024

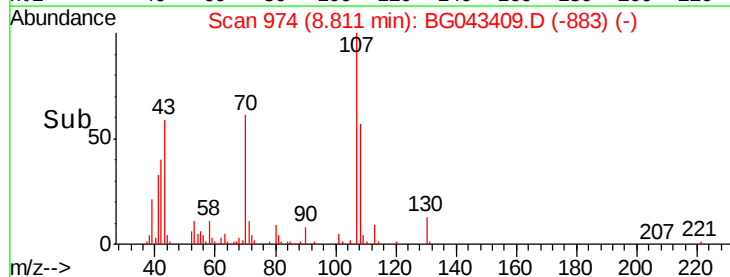
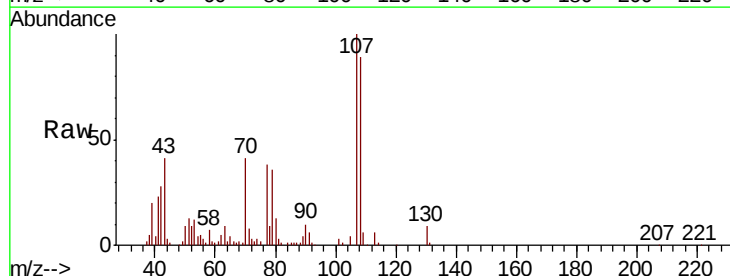
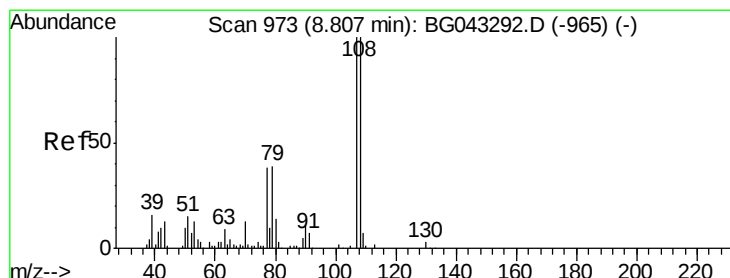
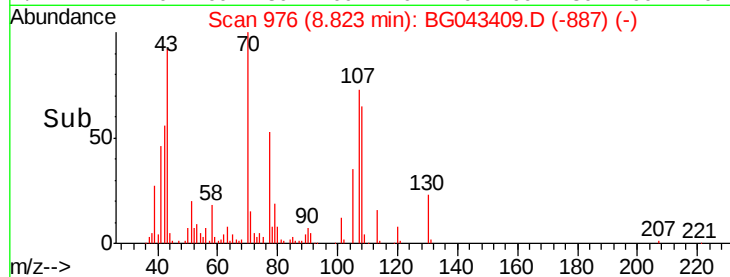
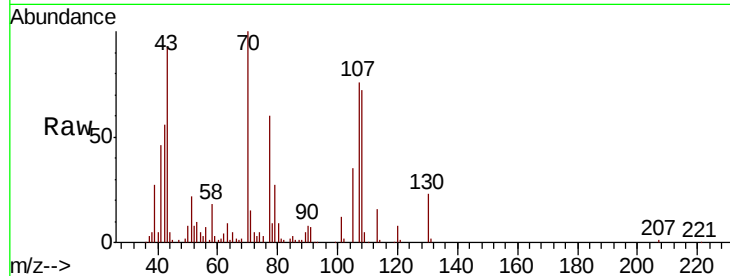
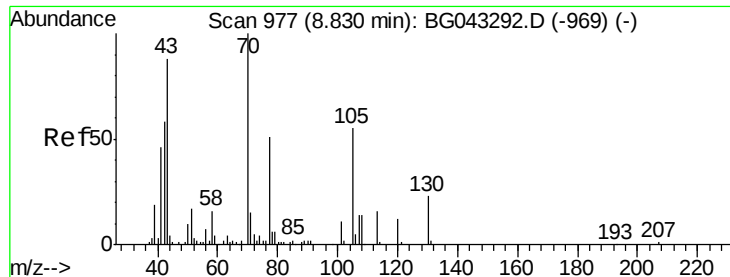
Delta R.T. -0.01 min

Lab File: BG043409.D

Acq: 30 Oct 2019 20:33

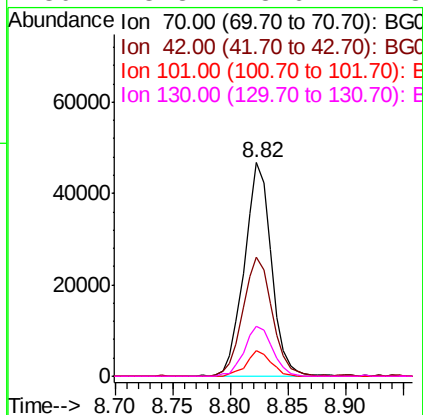
| Tgt Ion   | 117   | Resp  | 41579 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 117       | 100   |       |       |
| 119       | 104.1 | 77.3  | 115.9 |
| 201       | 125.8 | 104.2 | 156.4 |





#19  
n-Nitroso-di-n-propylamine  
Concen: 34.949 ng  
RT: 8.82 min Scan# 976  
Delta R.T. -0.01 min  
Lab File: BG043409.D  
Acq: 30 Oct 2019 20:33

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 70      | 100  |       |       |       |
| 42      | 55.9 | 46.2  | 69.2  |       |
| 101     | 12.0 | 8.6   | 13.0  |       |
| 130     | 23.3 | 18.6  | 27.8  |       |



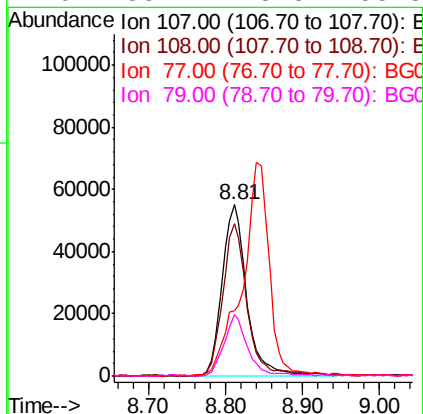
Instrument :  
BNA\_G  
ClientSampleId :  
184-40-(0-2)MS

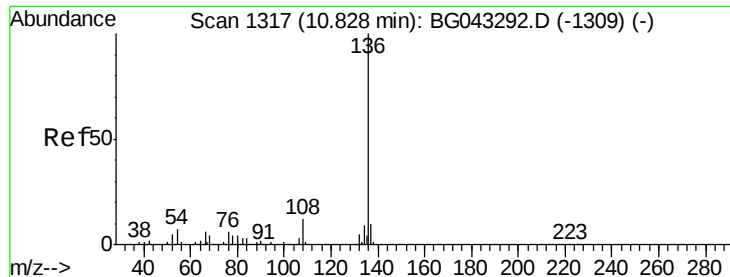
Manual Integrations  
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#20  
3+4-Methylphenols  
Concen: 39.773 ng  
RT: 8.81 min Scan# 974  
Delta R.T. 0.00 min  
Lab File: BG043409.D  
Acq: 30 Oct 2019 20:33

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 107     | 100  |       |       |       |
| 108     | 89.2 | 80.3  | 120.3 |       |
| 77      | 38.4 | 18.2  | 58.2  |       |
| 79      | 35.7 | 18.8  | 58.8  |       |





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.83 min Scan# 1317

Delta R.T. -0.00 min

Lab File: BG043409.D

Acq: 30 Oct 2019 20:33

Instrument :

BNA\_G

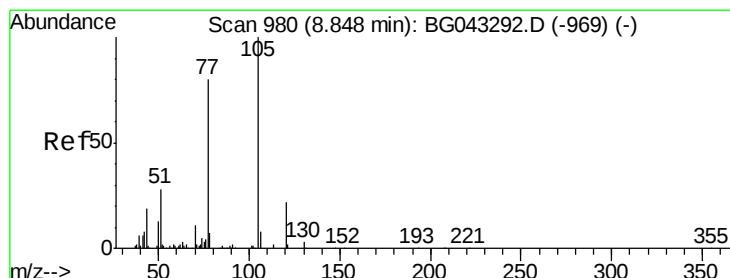
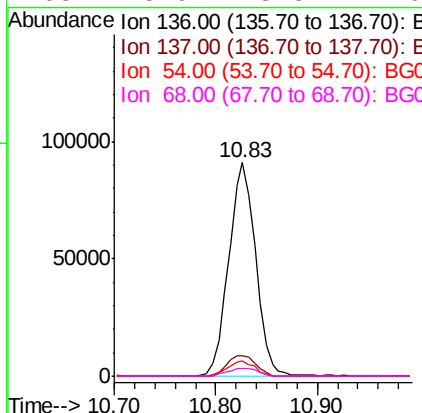
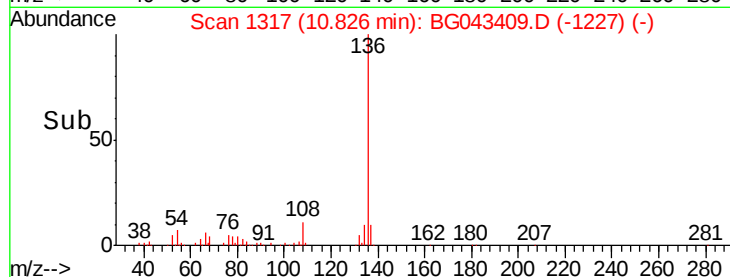
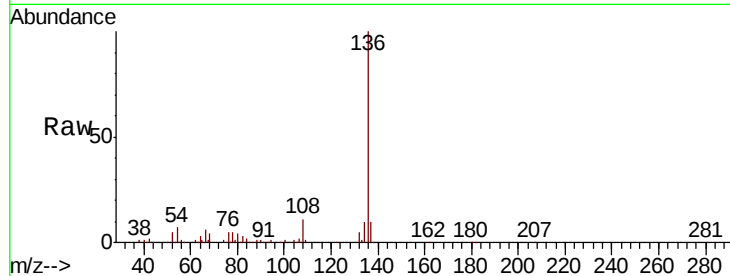
ClientSampleId :

184-40-(0-2)MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 136     | 100   | 167755 |       |       |
| 137     | 9.6   | 8.2    | 12.2  |       |
| 54      | 7.3   | 5.4    | 8.2   |       |
| 68      | 3.9   | 3.3    | 4.9   |       |

Manual Integrations  
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10/31/2019 2:52:00 PM



#22

Acetophenone

Concen: 36.296 ng

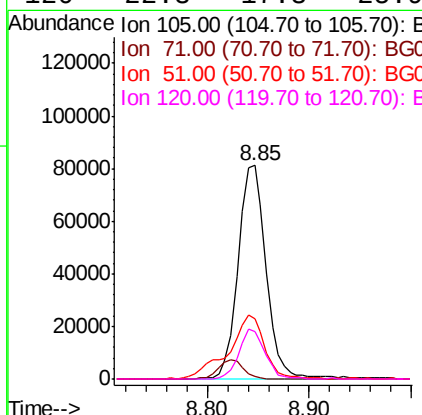
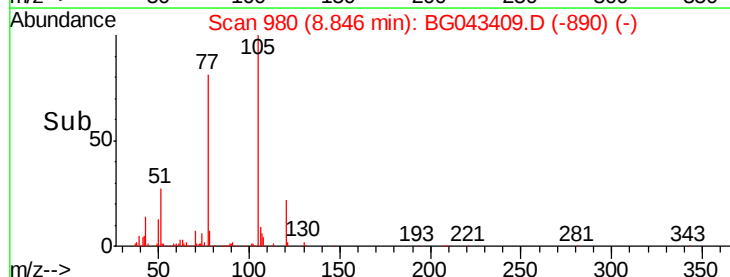
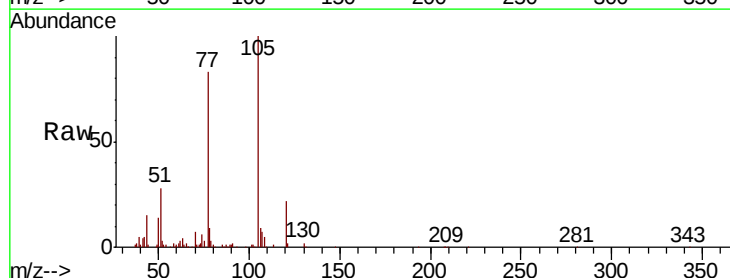
RT: 8.85 min Scan# 980

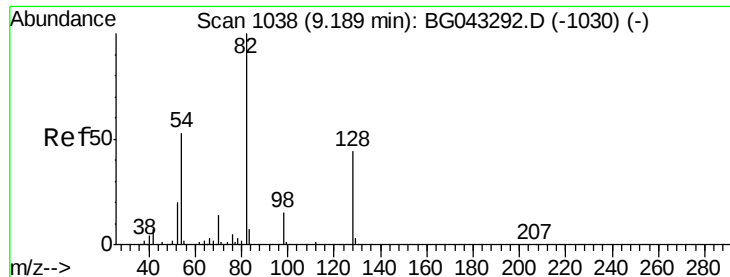
Delta R.T. -0.00 min

Lab File: BG043409.D

Acq: 30 Oct 2019 20:33

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 155928 |       |       |
| 71      | 1.3   | 1.5    | 2.3#  |       |
| 51      | 28.1  | 23.9   | 35.9  |       |
| 120     | 22.3  | 17.3   | 25.9  |       |





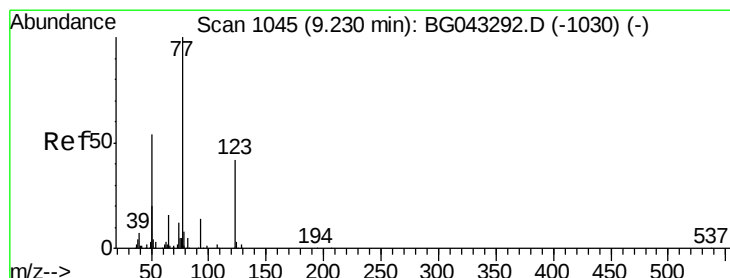
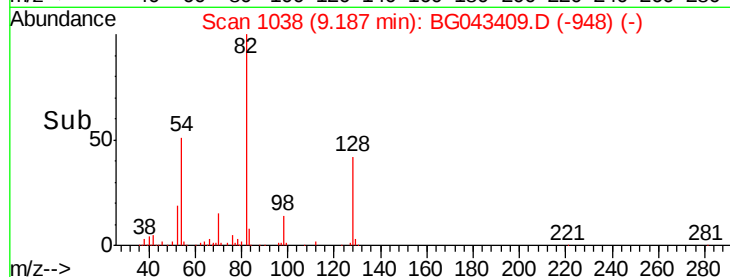
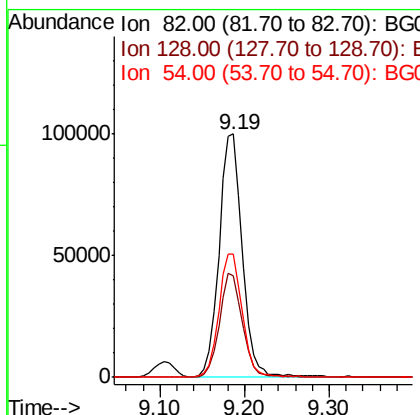
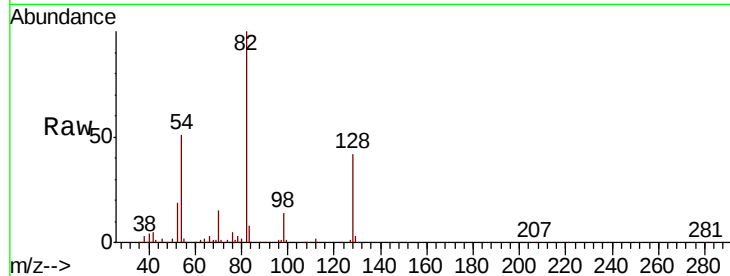
#23  
 Nitrobenzene-d5  
 Concen: 58.021 ng  
 RT: 9.19 min Scan# 1038  
 Delta R.T. -0.00 min  
 Lab File: BG043409.D  
 Acq: 30 Oct 2019 20:33

Instrument :  
 BNA\_G  
 ClientSampleId :  
 184-40-(0-2)MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 41.8  | 35.3  | 52.9  |
| 54      | 50.7  | 42.3  | 63.5  |

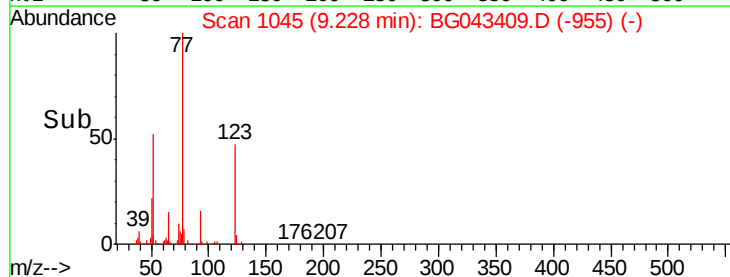
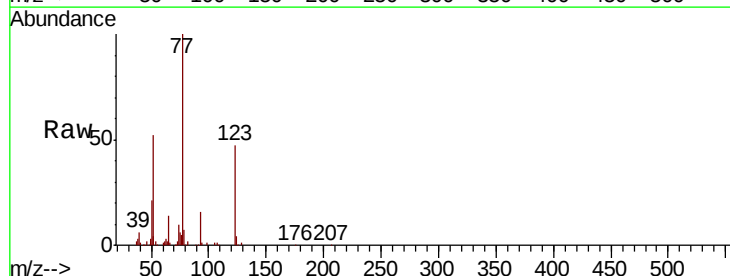
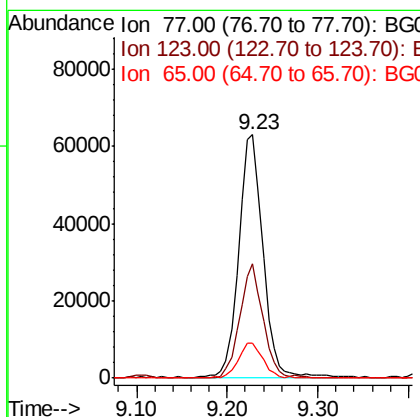
Manual Integrations  
 APPROVED

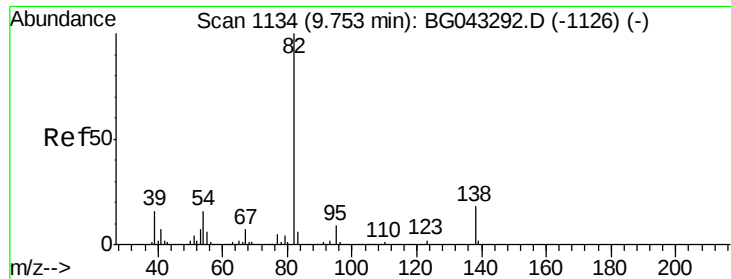
mohammad  
 10/31/2019 2:52:00 PM



#24  
 Nitrobenzene  
 Concen: 37.570 ng  
 RT: 9.23 min Scan# 1045  
 Delta R.T. -0.00 min  
 Lab File: BG043409.D  
 Acq: 30 Oct 2019 20:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 47.0  | 33.8  | 50.8  |
| 65      | 14.5  | 13.0  | 19.4  |





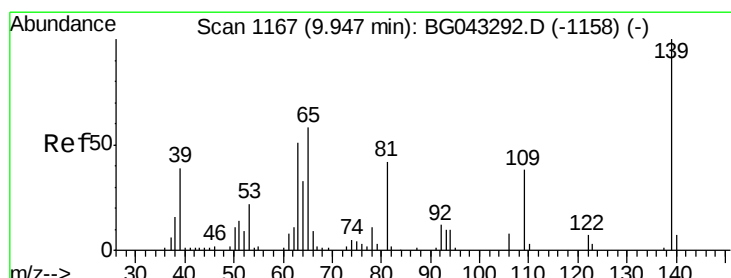
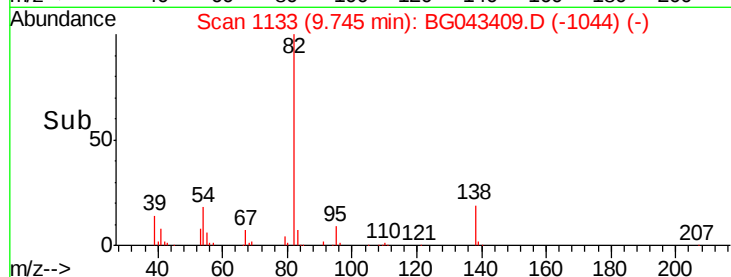
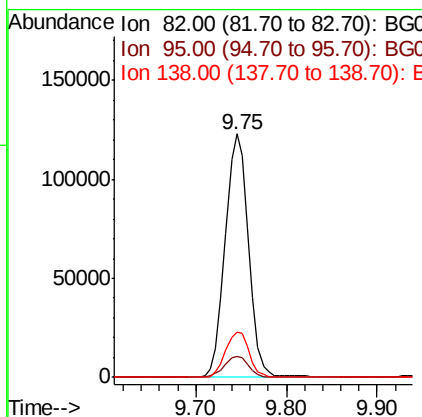
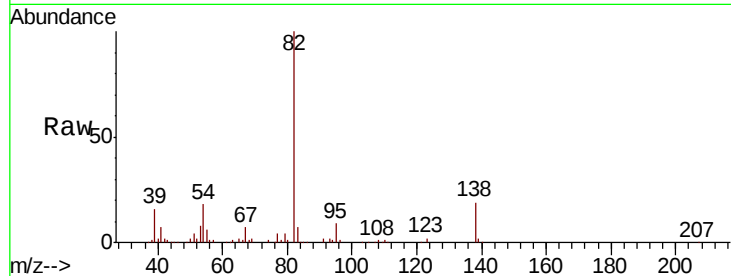
#25  
Isophorone  
Concen: 37.105 ng  
RT: 9.75 min Scan# 1133  
Delta R.T. -0.01 min  
Lab File: BG043409.D  
Acq: 30 Oct 2019 20:33

Instrument :  
BNA\_G  
ClientSampleId :  
184-40-(0-2)MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 82      | 100   | 220743 |       |       |
| 95      | 8.5   |        | 6.9   | 10.3  |
| 138     | 18.6  |        | 14.2  | 21.2  |

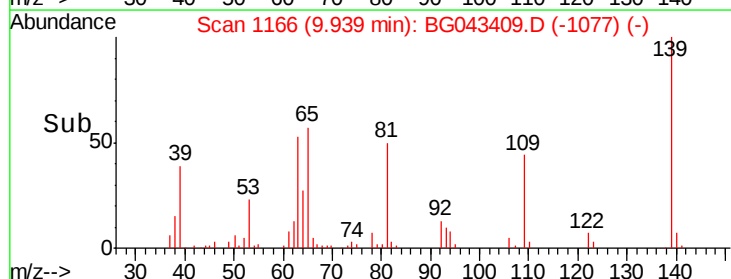
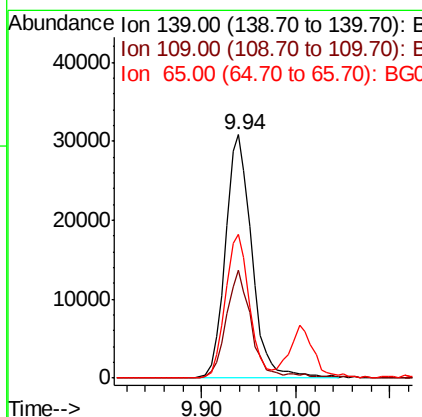
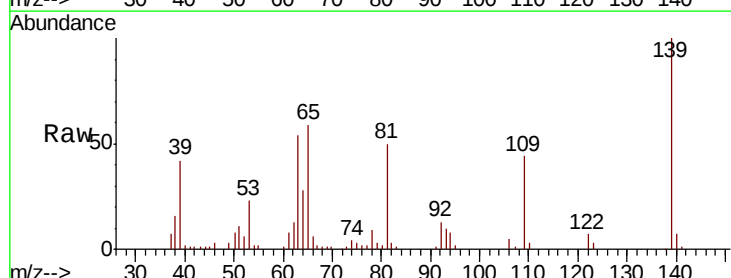
Manual Integrations  
APPROVED

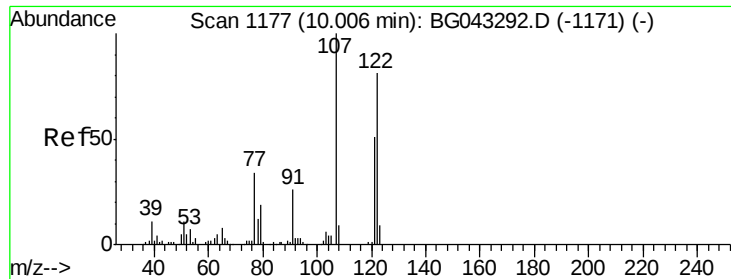
mohammad  
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#26  
2-Nitrophenol  
Concen: 40.116 ng  
RT: 9.94 min Scan# 1166  
Delta R.T. -0.01 min  
Lab File: BG043409.D  
Acq: 30 Oct 2019 20:33

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 139     | 100   | 60034 |       |       |
| 109     | 44.1  |       | 30.1  | 45.1  |
| 65      | 59.1  |       | 46.1  | 69.1  |





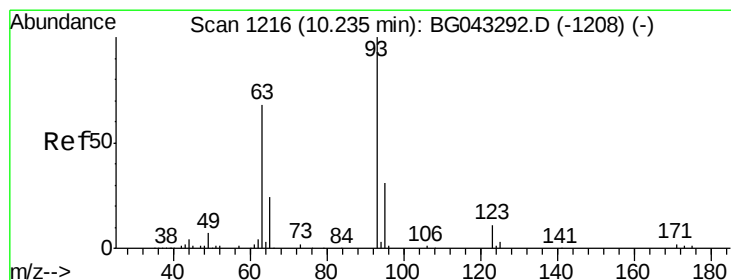
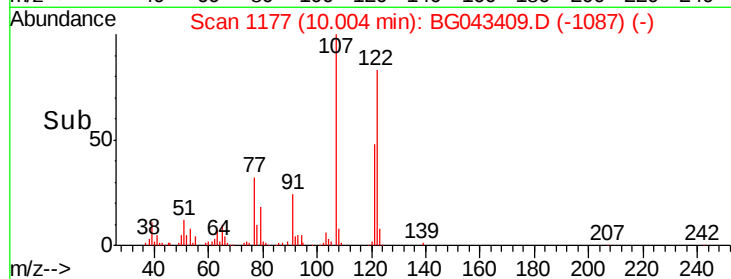
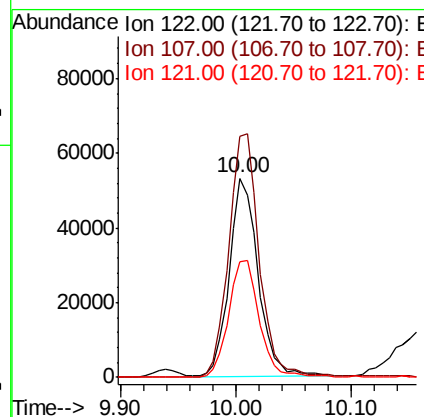
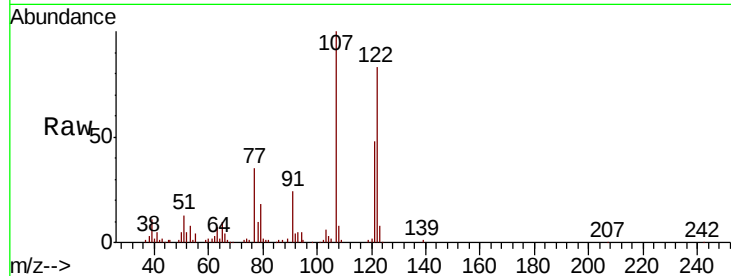
#27  
 2,4-Dimethylphenol  
 Concen: 42.966 ng  
 RT: 10.00 min Scan# 1177  
 Delta R.T. -0.00 min  
 Lab File: BG043409.D  
 Acq: 30 Oct 2019 20:33

Instrument :  
 BNA\_G  
 ClientSampleId :  
 184-40-(0-2)MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 120.8 | 98.6  | 147.8 |
| 121     | 58.2  | 50.1  | 75.1  |

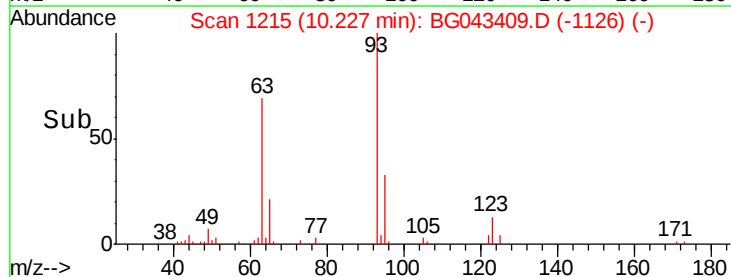
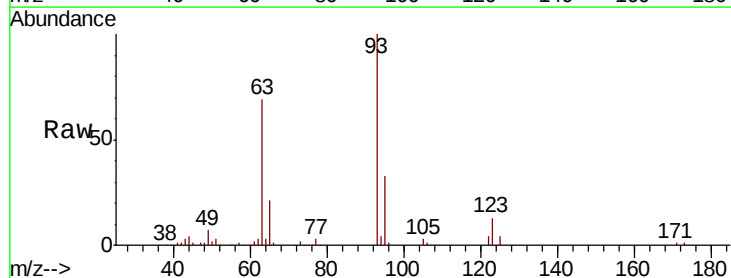
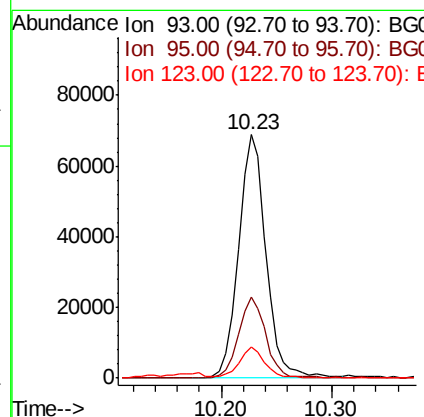
Manual Integrations  
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#28  
 bis(2-Chloroethoxy)methane  
 Concen: 36.500 ng  
 RT: 10.23 min Scan# 1215  
 Delta R.T. -0.01 min  
 Lab File: BG043409.D  
 Acq: 30 Oct 2019 20:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 33.1  | 24.9  | 37.3  |
| 123     | 12.8  | 8.9   | 13.3  |





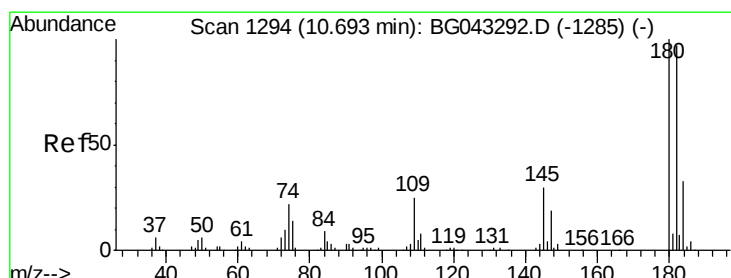
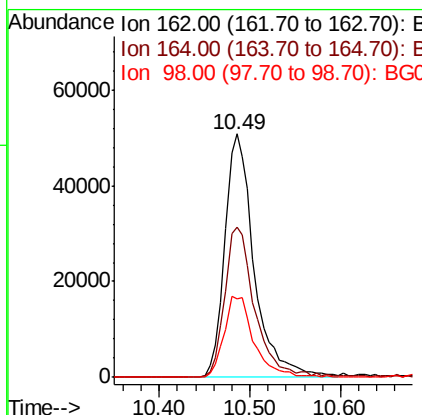
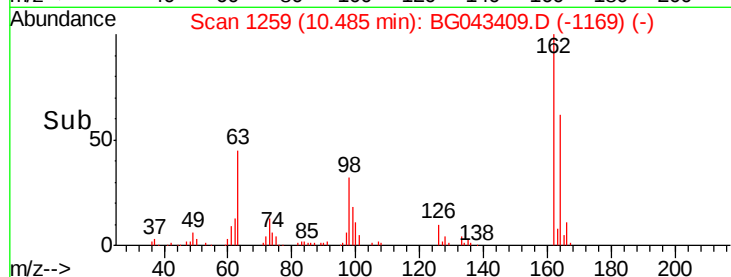
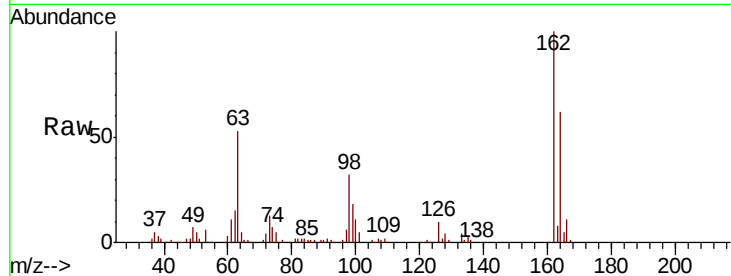
#29  
2,4-Dichlorophenol  
Concen: 41.604 ng  
RT: 10.49 min Scan# 1259  
Delta R.T. -0.00 min  
Lab File: BG043409.D  
Acq: 30 Oct 2019 20:33

Instrument :  
BNA\_G  
ClientSampleId :  
184-40-(0-2)MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 61.5  | 37.3  | 77.3  |
| 98      | 32.1  | 11.8  | 51.8  |

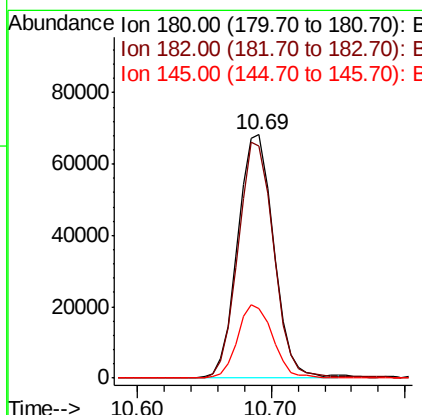
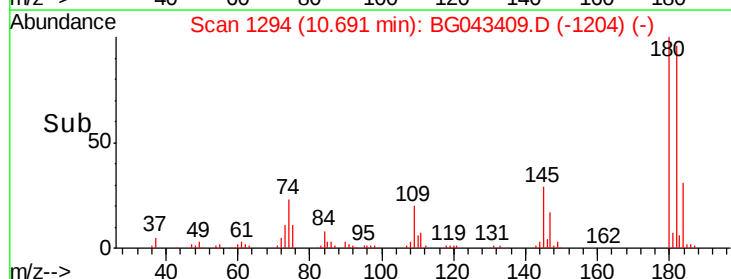
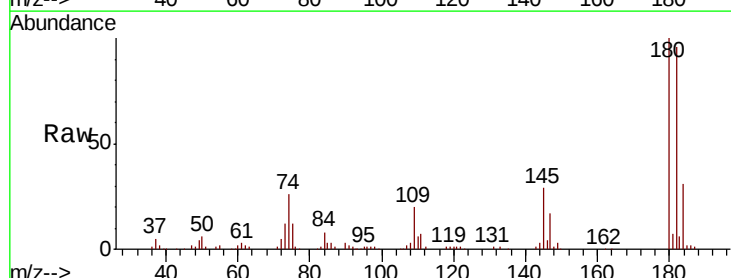
Manual Integrations  
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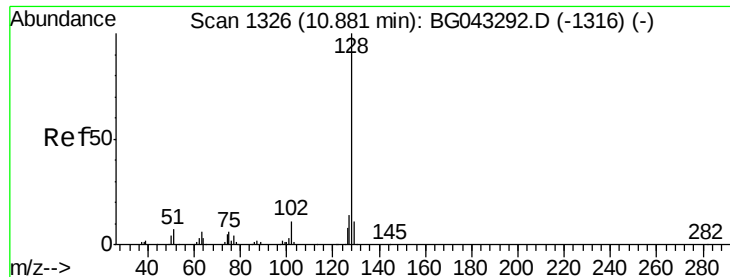
mohammad  
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#30  
1,2,4-Trichlorobenzene  
Concen: 36.807 ng  
RT: 10.69 min Scan# 1294  
Delta R.T. -0.00 min  
Lab File: BG043409.D  
Acq: 30 Oct 2019 20:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.6  | 77.8  | 116.8 |
| 145     | 28.7  | 23.6  | 35.4  |





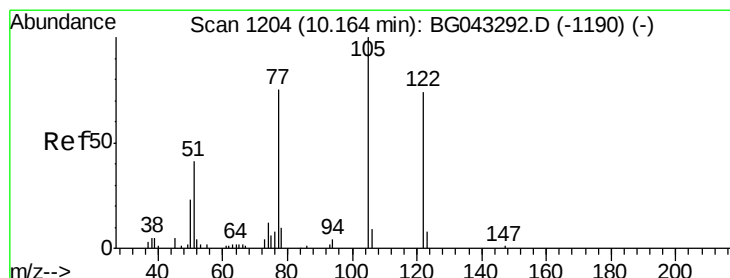
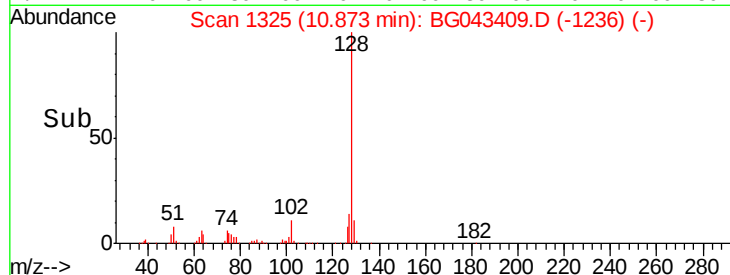
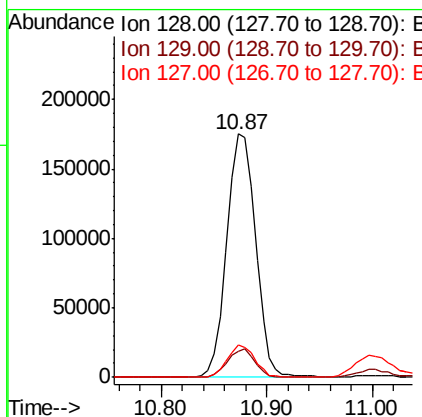
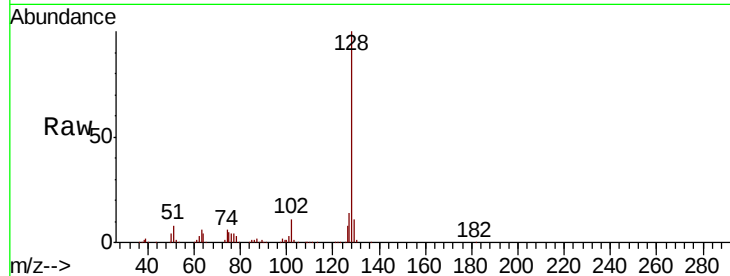
#31  
Naphthalene  
Concen: 38.850 ng  
RT: 10.87 min Scan# 1325  
Delta R.T. -0.01 min  
Lab File: BG043409.D  
Acq: 30 Oct 2019 20:33

Instrument :  
BNA\_G  
ClientSampleId :  
184-40-(0-2)MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 10.6  | 8.6   | 12.8  |
| 127     | 13.6  | 11.5  | 17.3  |

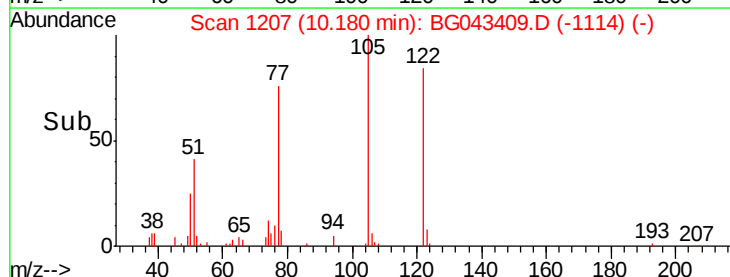
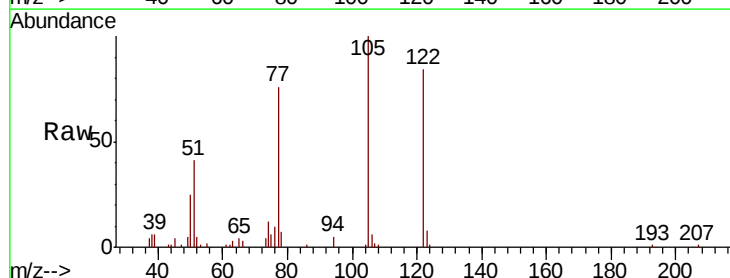
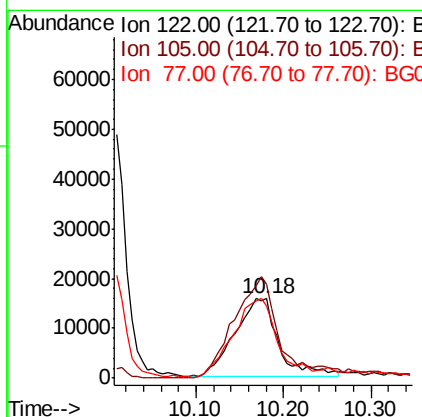
Manual Integrations  
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#32  
Benzoic acid  
Concen: 35.679 ng  
RT: 10.18 min Scan# 1207  
Delta R.T. 0.02 min  
Lab File: BG043409.D  
Acq: 30 Oct 2019 20:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 105     | 118.4 | 112.4 | 152.4 |
| 77      | 90.3  | 82.7  | 122.7 |





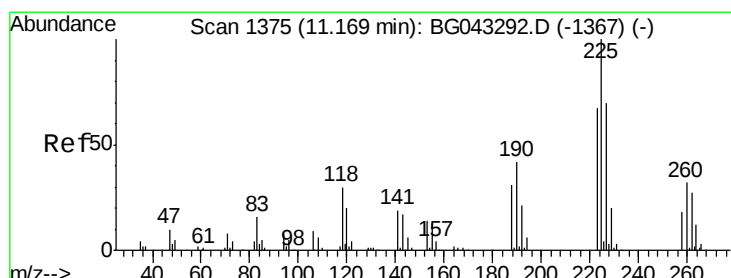
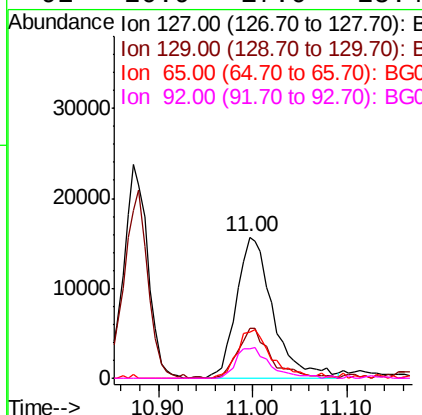
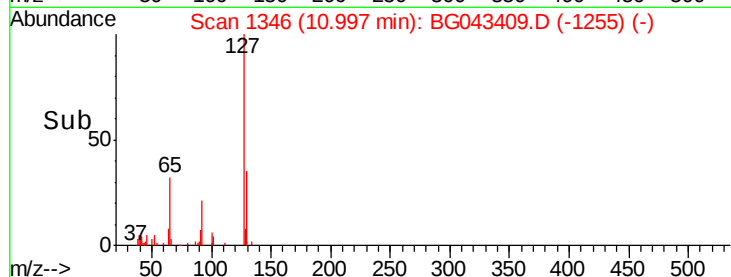
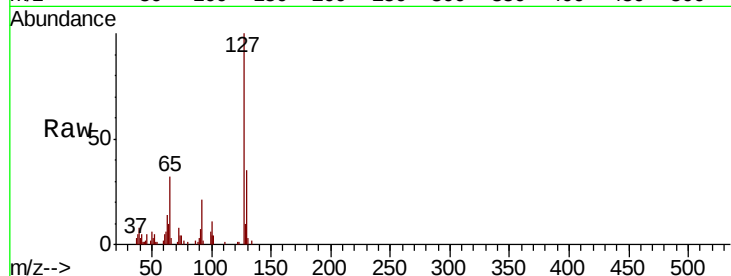
#33  
4-Chloroaniline  
Concen: 12.209 ng  
RT: 11.00 min Scan# 1346  
Delta R.T. 0.00 min  
Lab File: BG043409.D  
Acq: 30 Oct 2019 20:33

Instrument :  
BNA\_G  
ClientSampleId :  
184-40-(0-2)MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 127     | 100   |       |       |
| 129     | 35.0  | 25.8  | 38.8  |
| 65      | 32.3  | 26.2  | 39.2  |
| 92      | 20.9  | 17.0  | 25.4  |

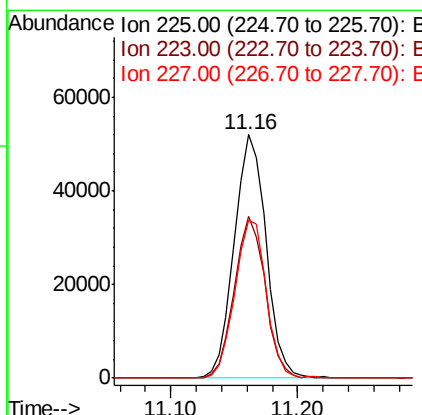
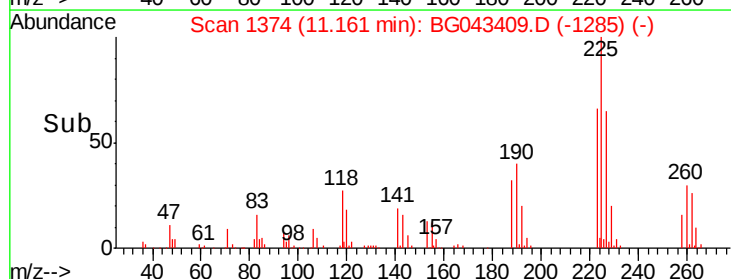
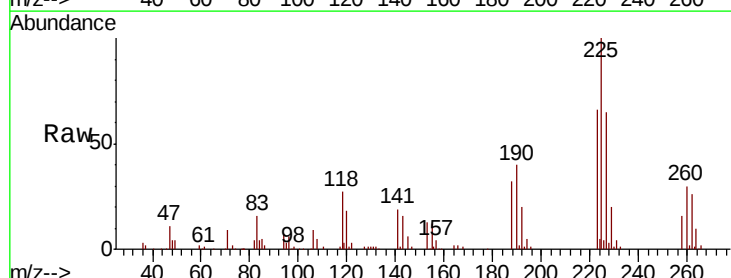
Manual Integrations  
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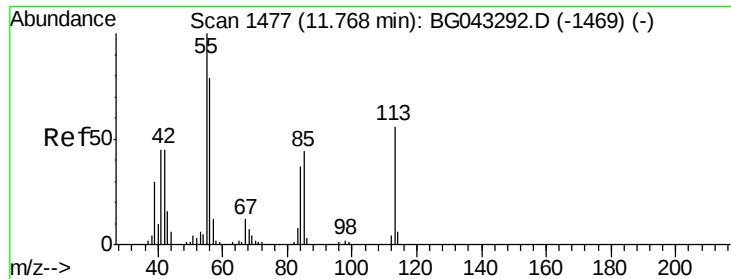
mohammad  
10/31/2019 2:52:00 PM



#34  
Hexachlorobutadiene  
Concen: 35.284 ng  
RT: 11.16 min Scan# 1374  
Delta R.T. -0.01 min  
Lab File: BG043409.D  
Acq: 30 Oct 2019 20:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 66.5  | 53.2  | 79.8  |
| 227     | 64.7  | 56.2  | 84.2  |





#35

Caprolactam

Concen: 37.871 ng/ml

RT: 11.76 min Scan# 1476

Delta R.T. -0.01 min

Lab File: BG043409.D

Acq: 30 Oct 2019 20:33

Instrument :

BNA\_G

ClientSampleId :

184-40-(0-2)MS

Tot Ion:113 Resp: 35844

Ion Ratio Lower Upper

113 100

55 167.1 158.9 198.9

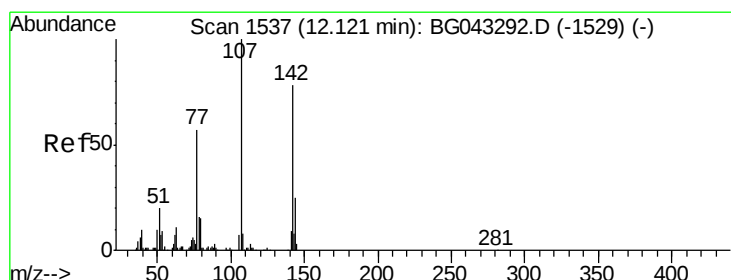
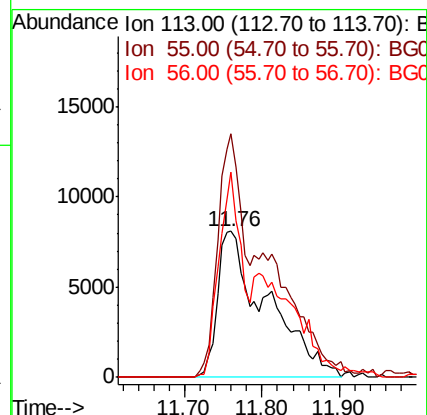
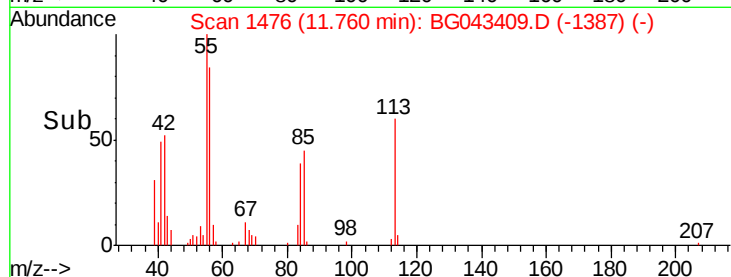
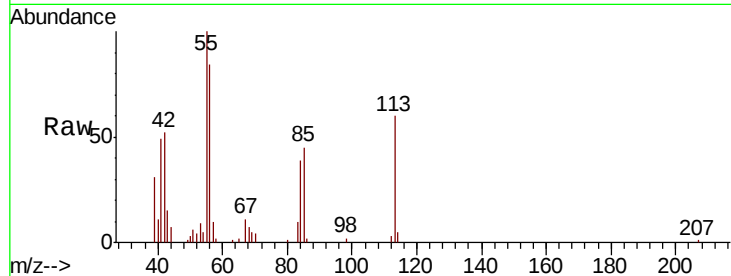
56 140.9 121.4 161.4

Manual Integrations

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#36

4-Chloro-3-methylphenol

Concen: 40.442 ng/ml

RT: 12.12 min Scan# 1537

Delta R.T. -0.00 min

Lab File: BG043409.D

Acq: 30 Oct 2019 20:33

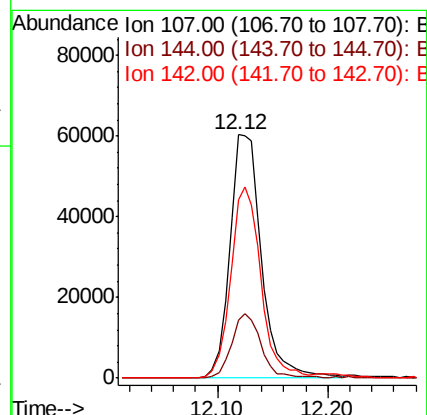
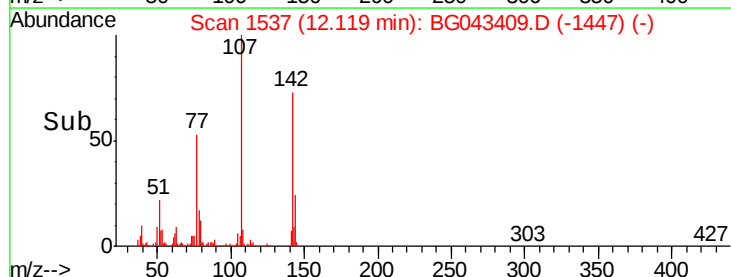
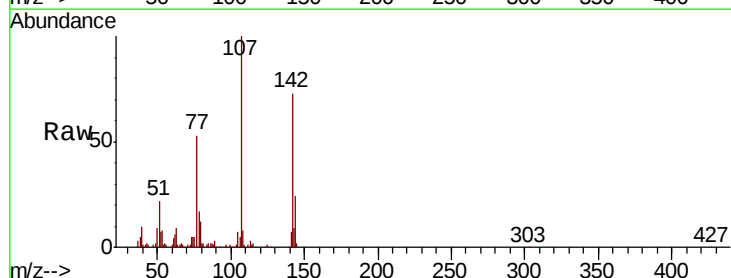
Tgt Ion:107 Resp: 121233

Ion Ratio Lower Upper

107 100

144 24.0 19.9 29.9

142 73.5 62.1 93.1





#37

2-Methylnaphthalene

Concen: 39.448 ng

RT: 12.48 min Scan# 1598

Delta R.T. -0.01 min

Lab File: BG043409.D

Acq: 30 Oct 2019 20:33

Instrument :

BNA\_G

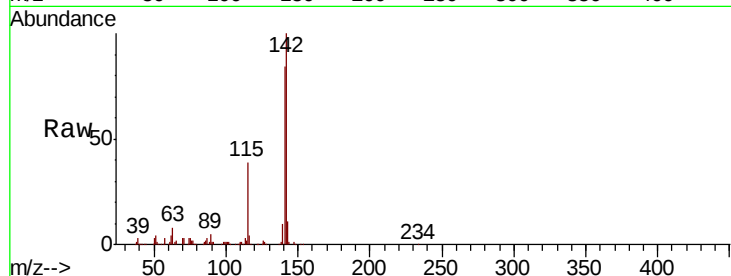
ClientSampleId :

184-40-(0-2)MS

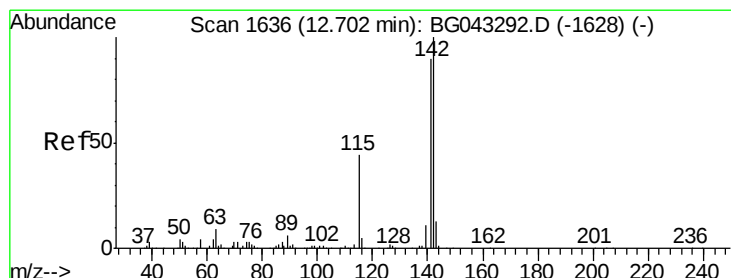
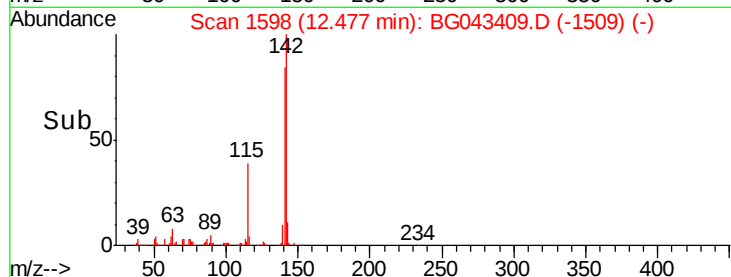
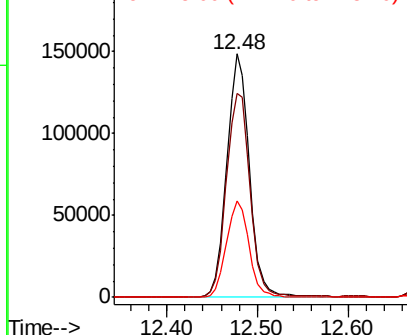
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 142   | Resp: | 257735 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 141       | 83.9  | 69.7  | 104.5  |
| 115       | 39.4  | 30.6  | 46.0   |

Manual Integrations  
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Abundance Ion 142.00 (141.70 to 142.70): E  
Ion 141.00 (140.70 to 141.70): E  
Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 38.717 ng

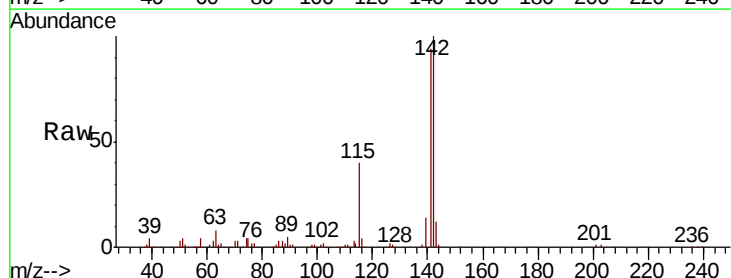
RT: 12.69 min Scan# 1635

Delta R.T. -0.01 min

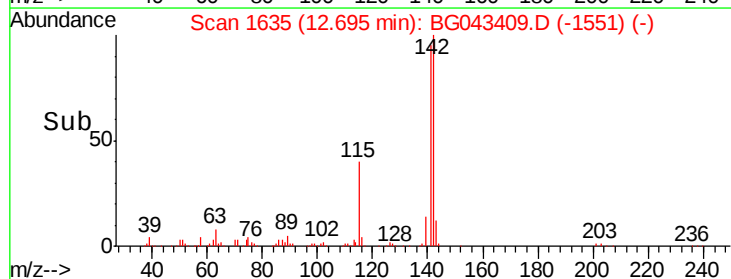
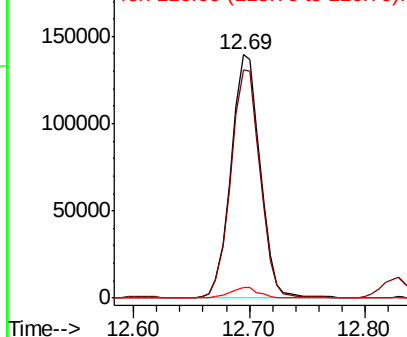
Lab File: BG043409.D

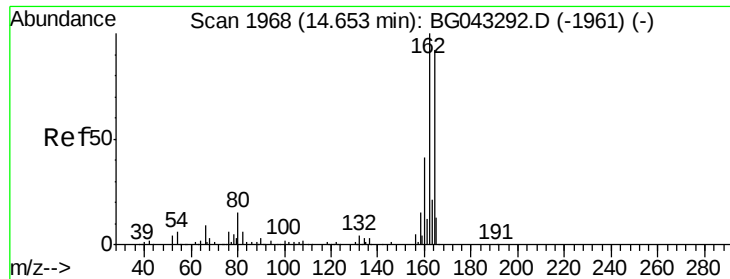
Acq: 30 Oct 2019 20:33

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 240681 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 141       | 93.8  | 72.3  | 108.5  |
| 116       | 4.4   | 3.8   | 5.6    |



Abundance Ion 142.00 (141.70 to 142.70): E  
Ion 141.00 (140.70 to 141.70): E  
Ion 116.00 (115.70 to 116.70): E





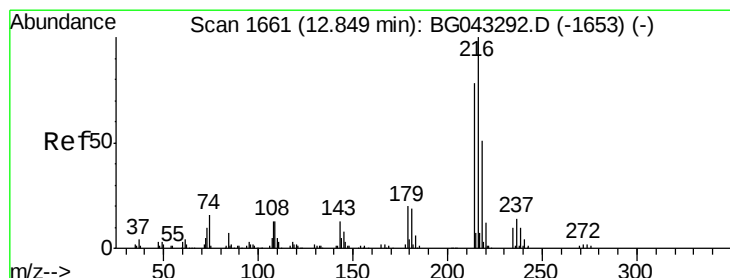
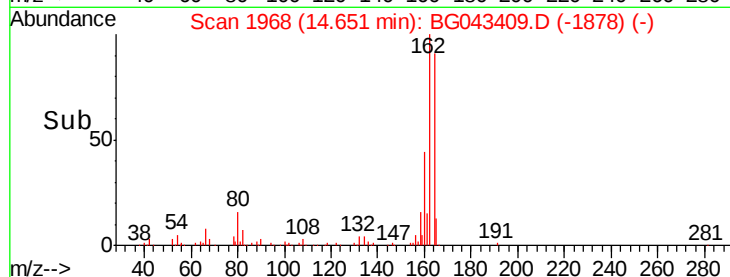
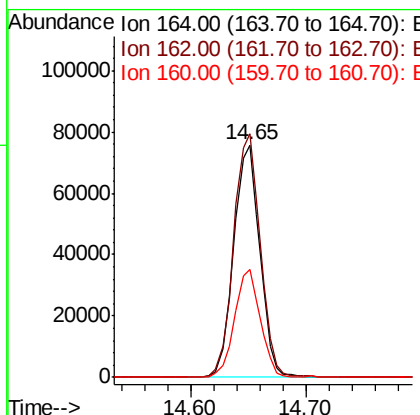
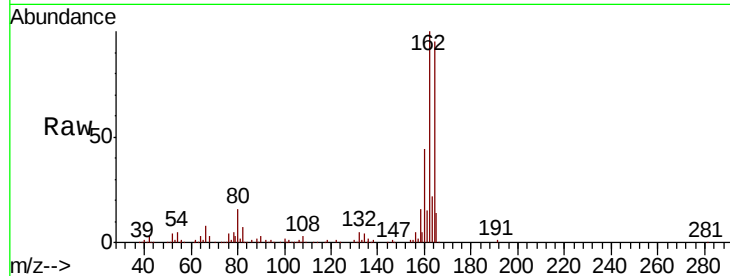
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.65 min Scan# 1968  
Delta R.T. -0.00 min  
Lab File: BG043409.D  
Acq: 30 Oct 2019 20:33

Instrument :  
BNA\_G  
ClientSampleId :  
184-40-(0-2)MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 104.9 | 87.0  | 130.4 |
| 160     | 46.3  | 35.5  | 53.3  |

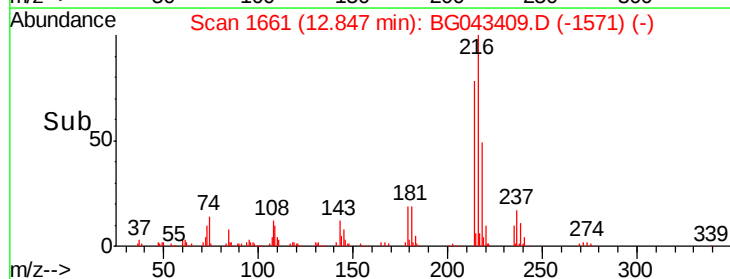
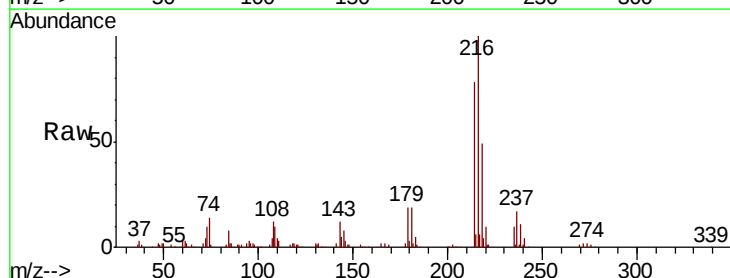
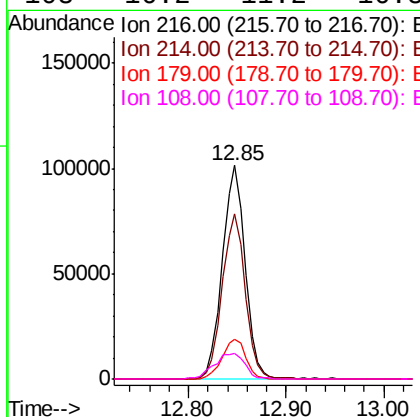
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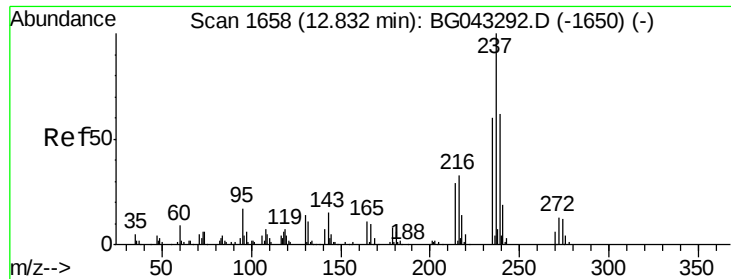
mohammad  
10/31/2019 2:52:00 PM



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 37.668 ng  
RT: 12.85 min Scan# 1661  
Delta R.T. -0.00 min  
Lab File: BG043409.D  
Acq: 30 Oct 2019 20:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 216     | 100   |       |       |
| 214     | 77.7  | 63.5  | 95.3  |
| 179     | 19.1  | 16.2  | 24.2  |
| 108     | 16.2  | 11.2  | 16.8  |





#41

Hexachlorocyclopentadiene

Concen: 81.625 ng

RT: 12.83 min Scan# 1658

Delta R.T. -0.00 min

Lab File: BG043409.D

Acq: 30 Oct 2019 20:33

Instrument :

BNA\_G

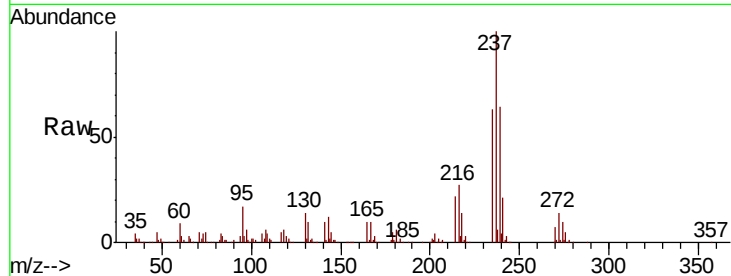
ClientSampleId :

184-40-(0-2)MS

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 237  | Resp: | 187553 |
| Ion Ratio |      | Lower | Upper  |
| 237       | 100  |       |        |
| 235       | 63.4 | 40.3  | 80.3   |
| 272       | 13.8 | 0.0   | 32.9   |

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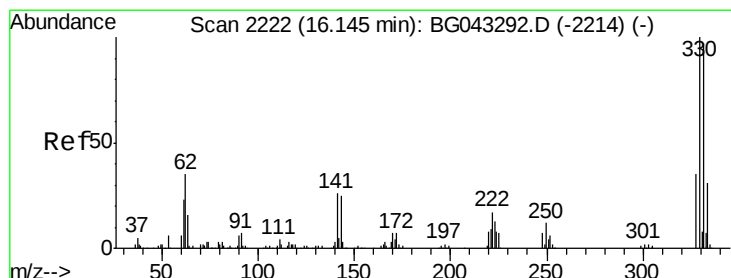
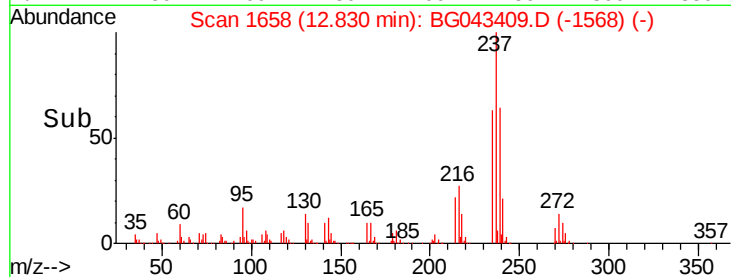
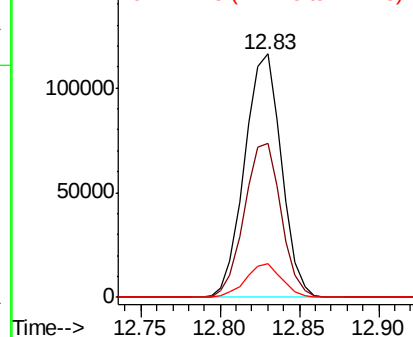


Abundance

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: 86.441 ng

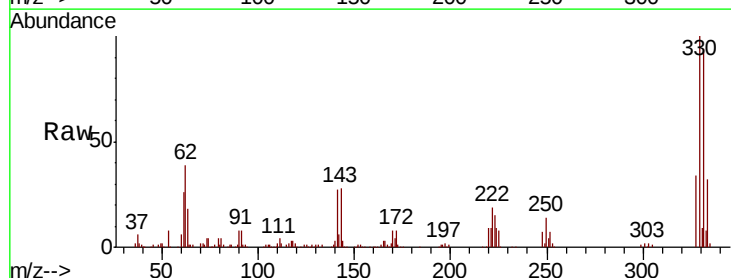
RT: 16.14 min Scan# 2221

Delta R.T. -0.01 min

Lab File: BG043409.D

Acq: 30 Oct 2019 20:33

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 330  | Resp: | 194421 |
| Ion Ratio |      | Lower | Upper  |
| 330       | 100  |       |        |
| 332       | 95.8 | 76.4  | 114.6  |
| 141       | 27.9 | 21.4  | 32.0   |

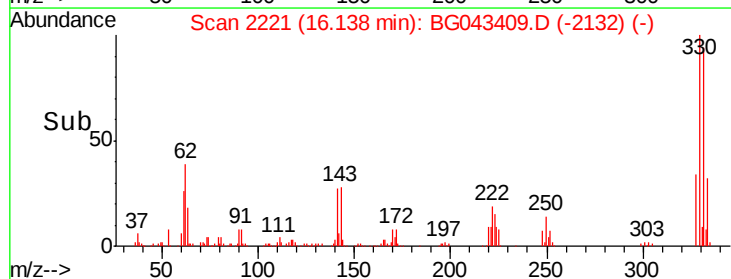
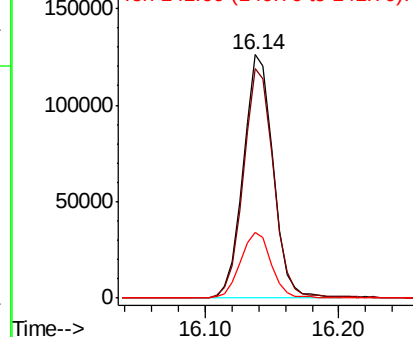


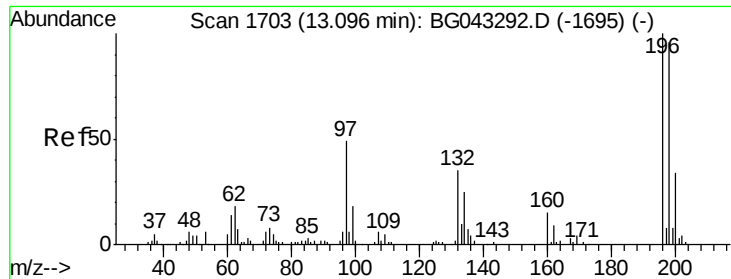
Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





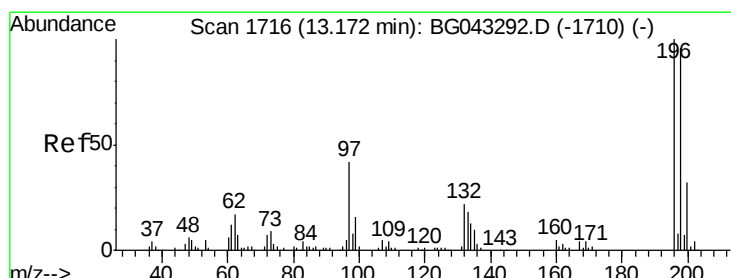
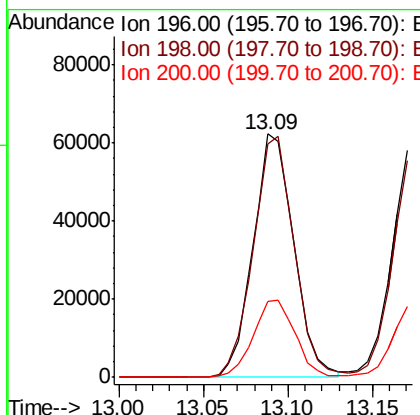
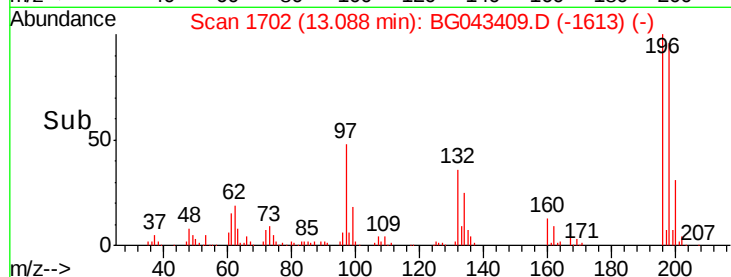
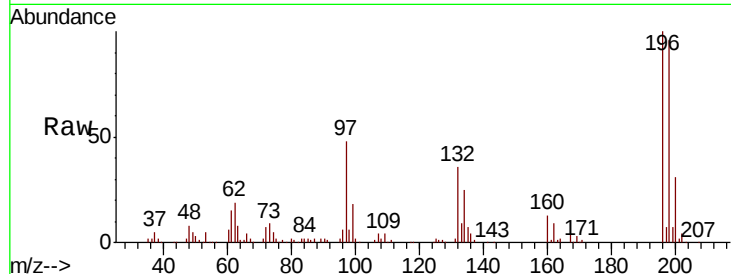
#43  
 2,4,6-Trichlorophenol  
 Concen: 40.659 ng  
 RT: 13.09 min Scan# 1702  
 Delta R.T. -0.01 min  
 Lab File: BG043409.D  
 Acq: 30 Oct 2019 20:33

Instrument :  
 BNA\_G  
 ClientSampleId :  
 184-40-(0-2)MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 95.7  | 77.0  | 115.4 |
| 200     | 31.3  | 27.4  | 41.2  |

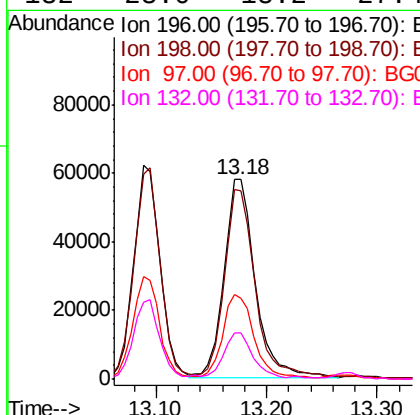
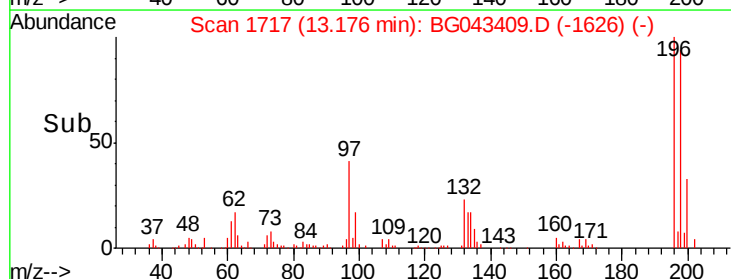
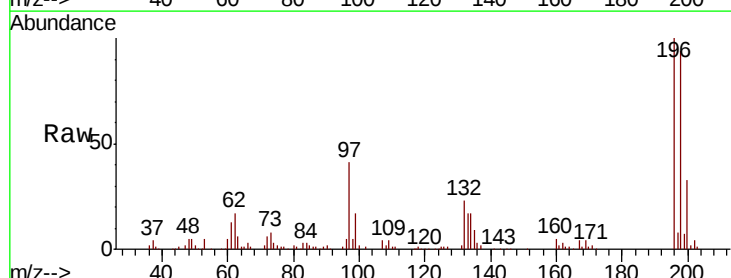
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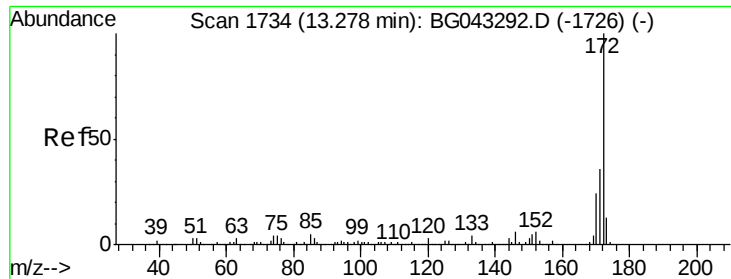
mohammad  
 10/31/2019 2:52:00 PM



#44  
 2,4,5-Trichlorophenol  
 Concen: 44.077 ng  
 RT: 13.18 min Scan# 1717  
 Delta R.T. 0.00 min  
 Lab File: BG043409.D  
 Acq: 30 Oct 2019 20:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 94.3  | 76.6  | 114.8 |
| 97      | 40.5  | 34.1  | 51.1  |
| 132     | 23.0  | 18.2  | 27.4  |





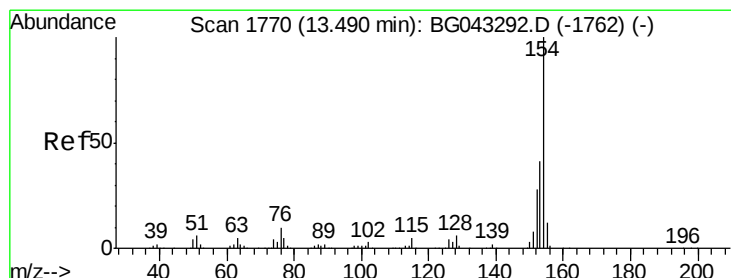
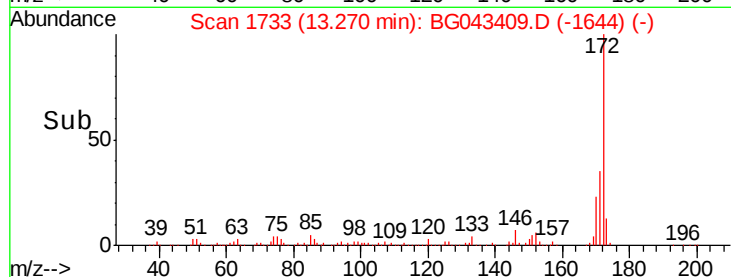
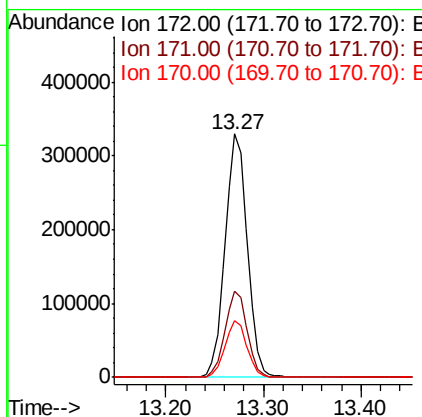
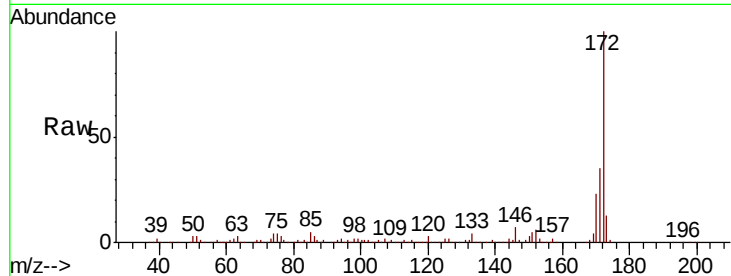
#45  
2-Fluorobiphenyl  
Concen: 60.822 ng  
RT: 13.27 min Scan# 1733  
Delta R.T. -0.01 min  
Lab File: BG043409.D  
Acq: 30 Oct 2019 20:33

Instrument :  
BNA\_G  
ClientSampleId :  
184-40-(0-2)MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.3  | 28.5  | 42.7  |
| 170     | 23.3  | 18.8  | 28.2  |

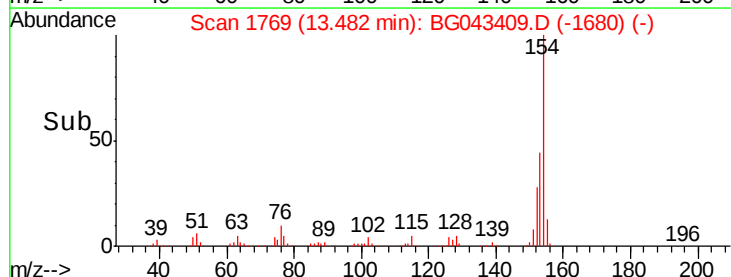
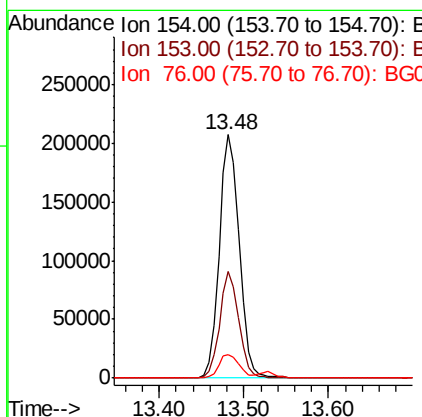
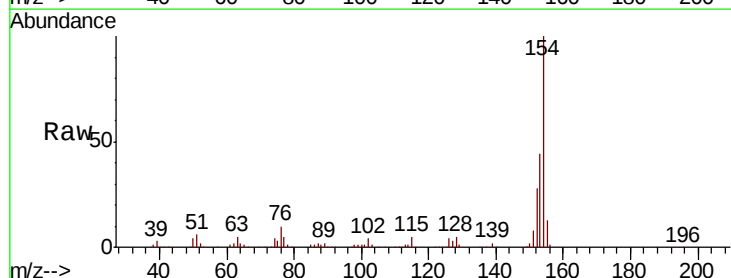
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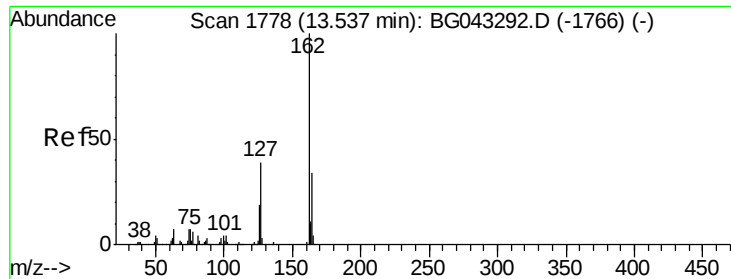
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#46  
1,1'-Biphenyl  
Concen: 38.029 ng  
RT: 13.48 min Scan# 1769  
Delta R.T. -0.01 min  
Lab File: BG043409.D  
Acq: 30 Oct 2019 20:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 43.6  | 21.0  | 61.0  |
| 76      | 9.6   | 0.0   | 29.8  |





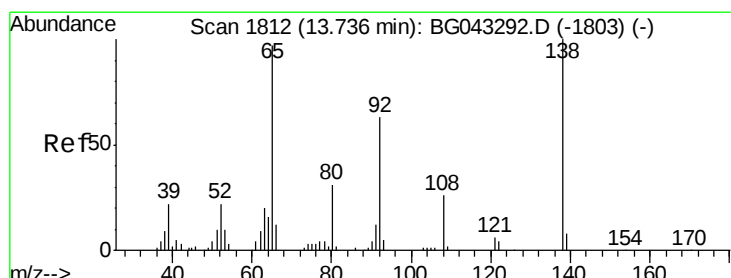
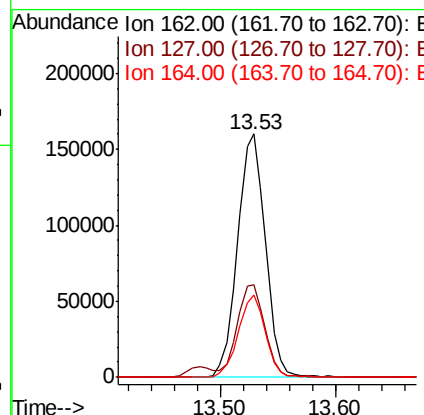
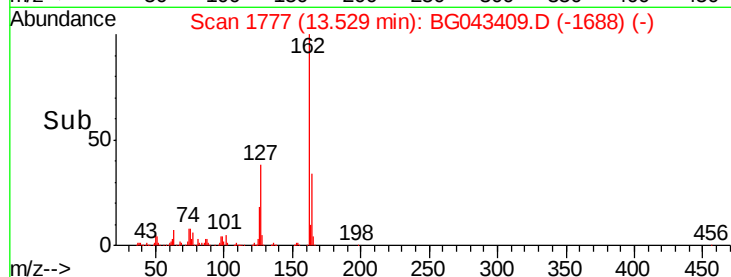
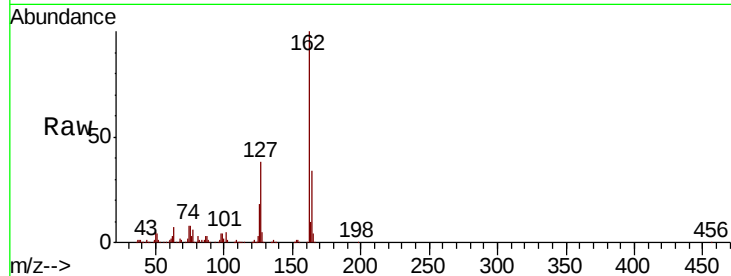
#47  
 2-Chloronaphthalene  
 Concen: 39.077 ng  
 RT: 13.53 min Scan# 1777  
 Delta R.T. -0.01 min  
 Lab File: BG043409.D  
 Acq: 30 Oct 2019 20:33

Instrument :  
 BNA\_G  
 ClientSampleId :  
 184-40-(0-2)MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 38.1  | 31.3  | 46.9  |
| 164     | 33.9  | 26.8  | 40.2  |

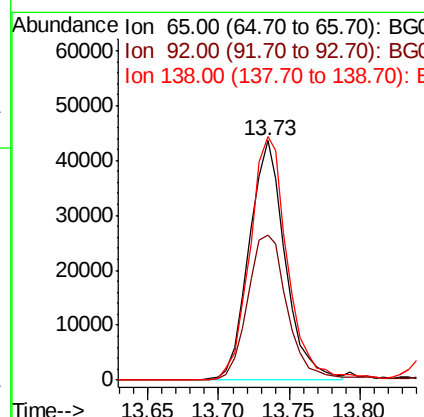
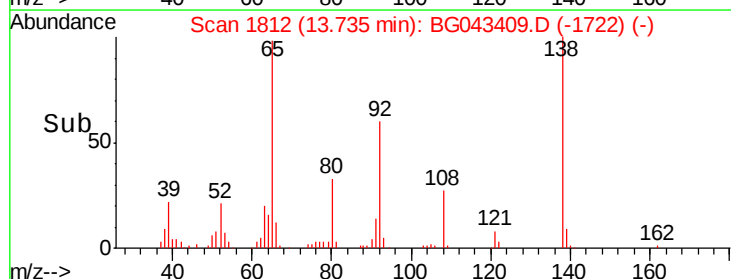
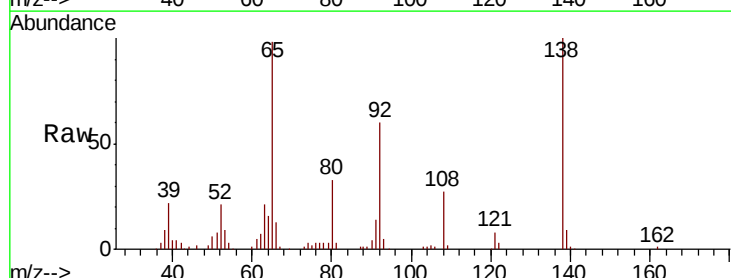
Manual Integrations  
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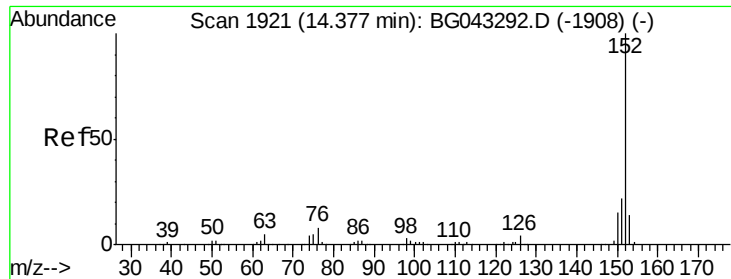
mohammad  
 10/31/2019 2:52:00 PM



#48  
 2-Nitroaniline  
 Concen: 38.388 ng  
 RT: 13.73 min Scan# 1812  
 Delta R.T. -0.00 min  
 Lab File: BG043409.D  
 Acq: 30 Oct 2019 20:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 60.9  | 52.6  | 79.0  |
| 138     | 101.8 | 82.9  | 124.3 |





#49

Acenaphthylene

Concen: 40.244 ng

RT: 14.37 min Scan# 1920

Delta R.T. -0.01 min

Lab File: BG043409.D

Acq: 30 Oct 2019 20:33

Instrument :

BNA\_G

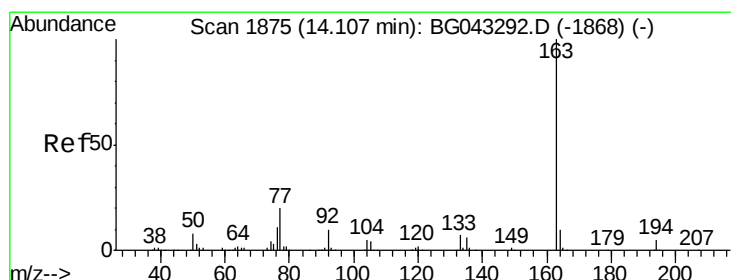
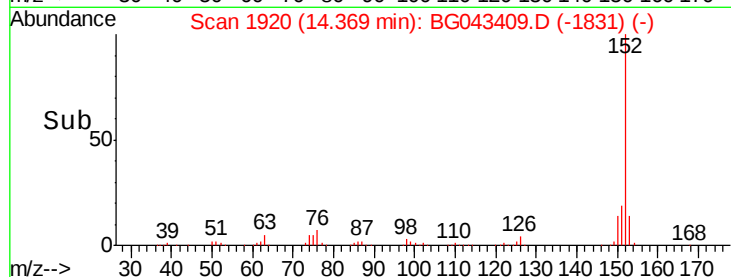
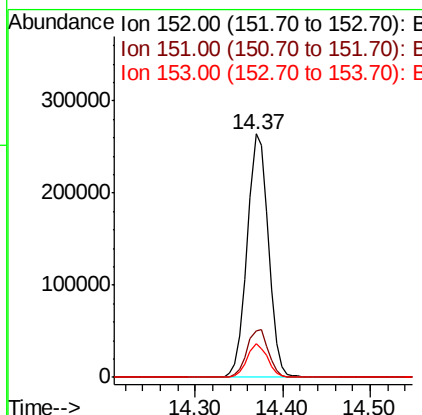
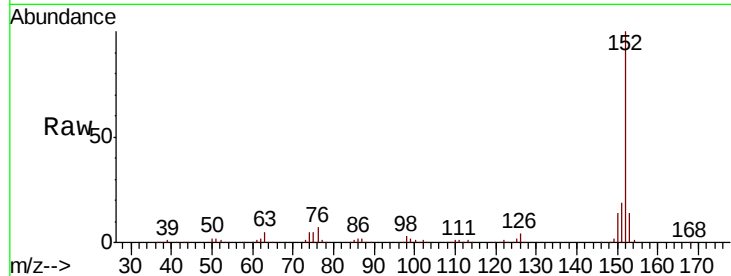
ClientSampleId :

184-40-(0-2)MS

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 152     | 100  |       | 428491 |       |       |
| 151     | 19.1 | 17.2  | 25.8   |       |       |
| 153     | 13.8 | 11.0  | 16.6   |       |       |

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#50

Dimethylphthalate

Concen: 45.622 ng

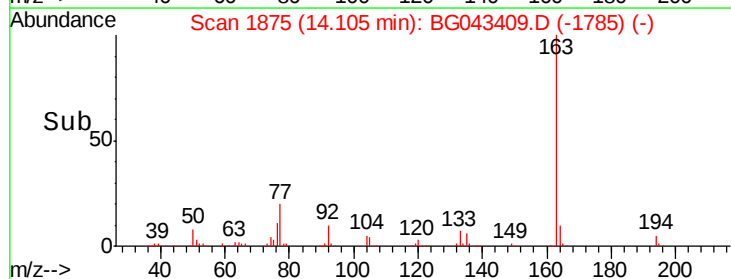
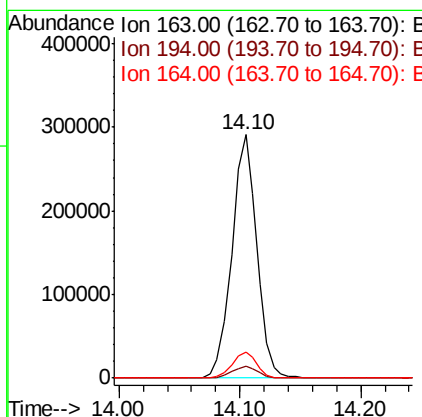
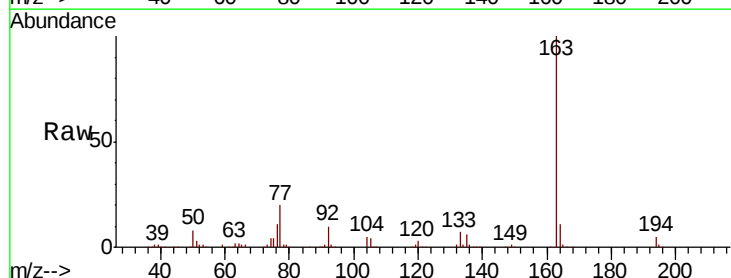
RT: 14.10 min Scan# 1875

Delta R.T. -0.00 min

Lab File: BG043409.D

Acq: 30 Oct 2019 20:33

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 163     | 100  |       | 417656 |       |       |
| 194     | 4.7  | 3.7   | 5.5    |       |       |
| 164     | 10.7 | 8.1   | 12.1   |       |       |





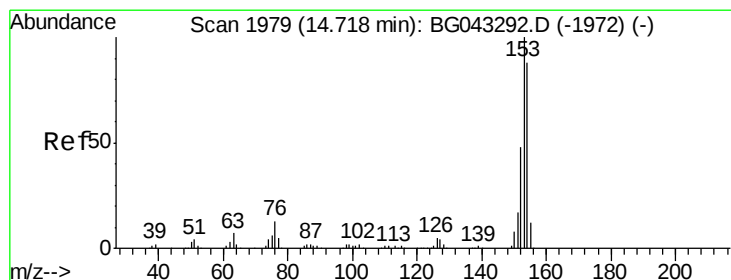
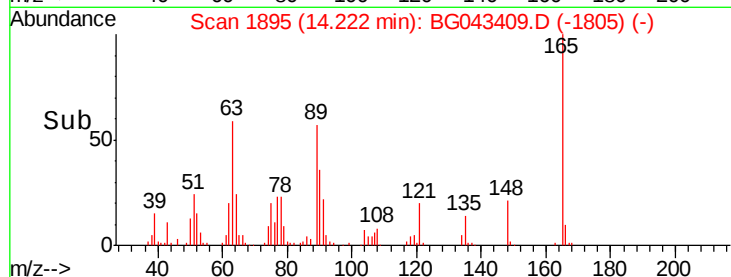
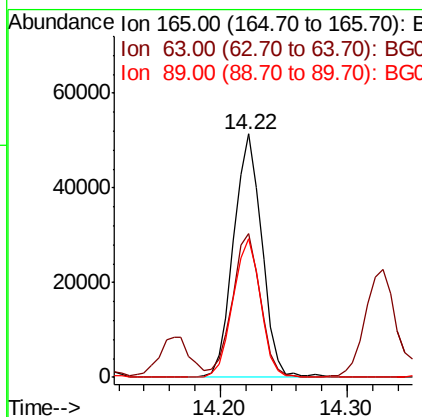
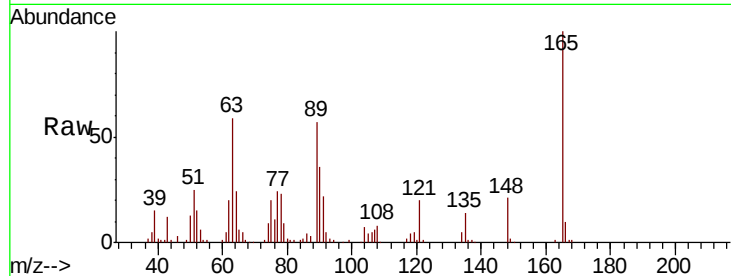
#51  
 2,6-Dinitrotoluene  
 Concen: 39.745 ng  
 RT: 14.22 min Scan# 1895  
 Delta R.T. -0.00 min  
 Lab File: BG043409.D  
 Acq: 30 Oct 2019 20:33

Instrument :  
 BNA\_G  
 ClientSampleId :  
 184-40-(0-2)MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 59.1  | 47.1  | 70.7  |
| 89      | 56.8  | 43.7  | 65.5  |

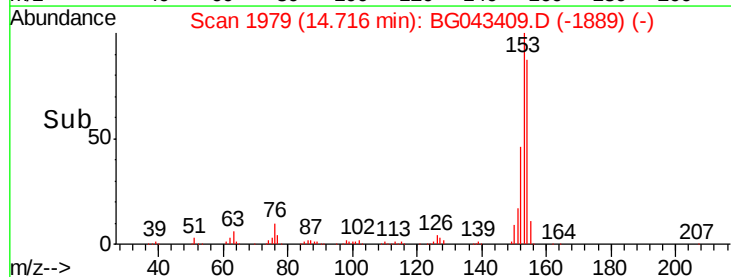
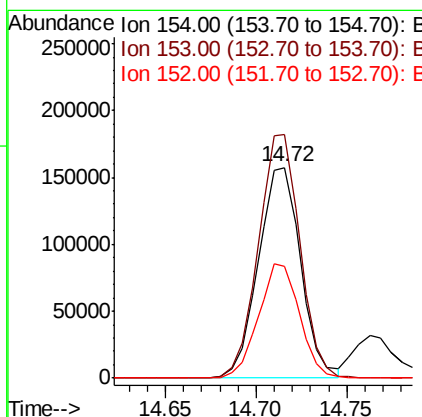
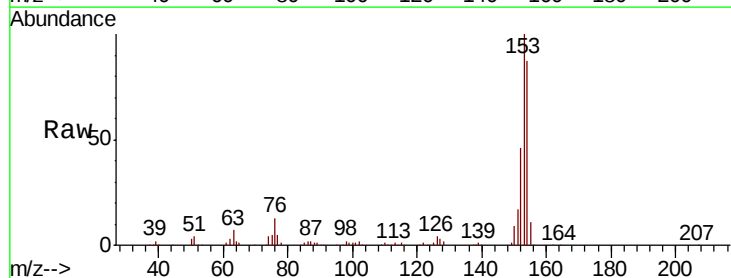
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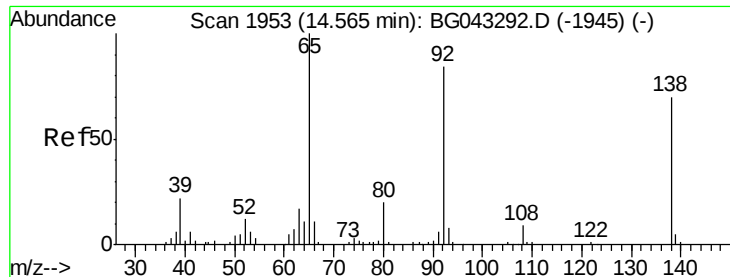
mohammad  
 10/31/2019 2:52:00 PM



#52  
 Acenaphthene  
 Concen: 39.341 ng  
 RT: 14.72 min Scan# 1979  
 Delta R.T. -0.00 min  
 Lab File: BG043409.D  
 Acq: 30 Oct 2019 20:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 115.5 | 90.9  | 136.3 |
| 152     | 53.3  | 43.9  | 65.9  |





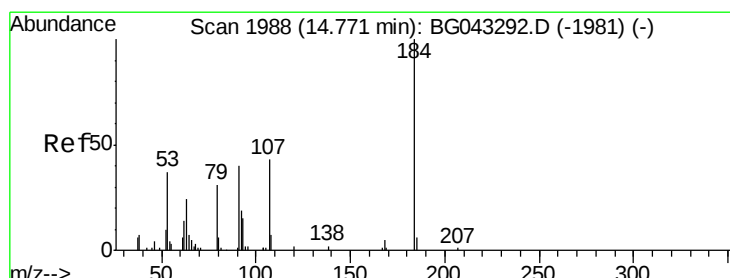
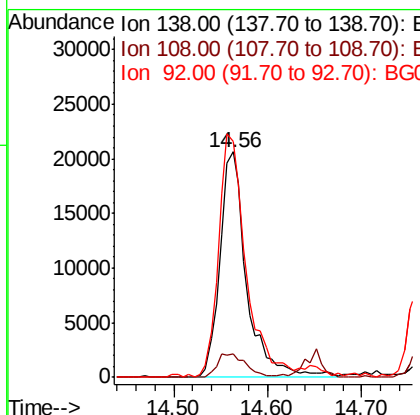
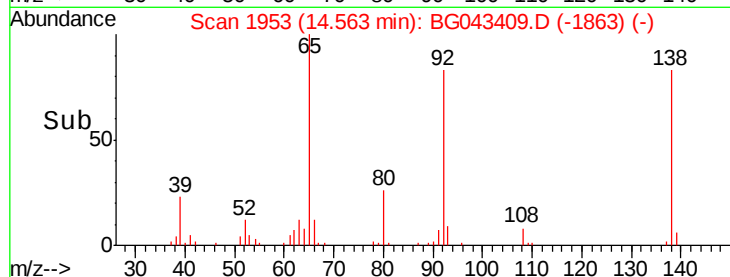
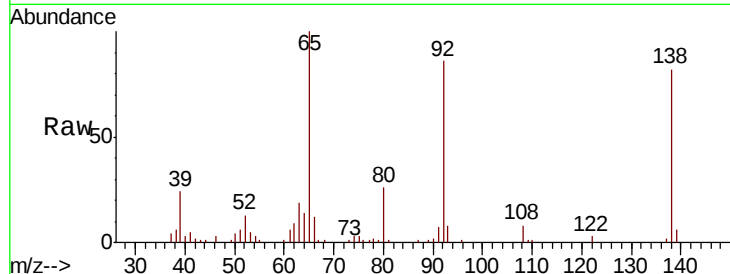
#53  
 3-Nitroaniline  
 Concen: 21.390 ng  
 RT: 14.56 min Scan# 1953  
 Delta R.T. -0.00 min  
 Lab File: BG043409.D  
 Acq: 30 Oct 2019 20:33

Instrument :  
 BNA\_G  
 ClientSampleId :  
 184-40-(0-2)MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 108     | 10.2  | 9.8   | 14.6  |
| 92      | 104.5 | 95.8  | 143.6 |

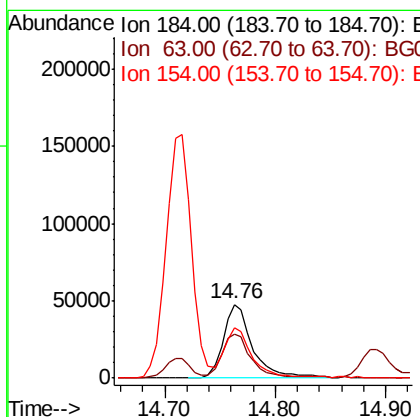
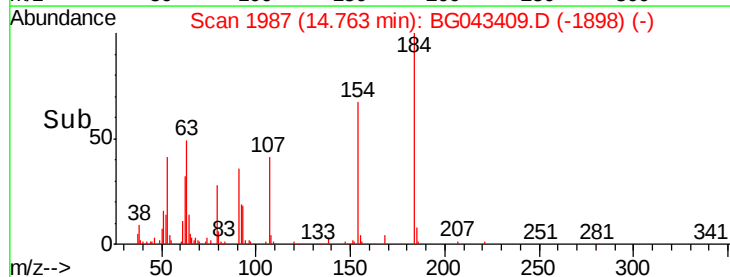
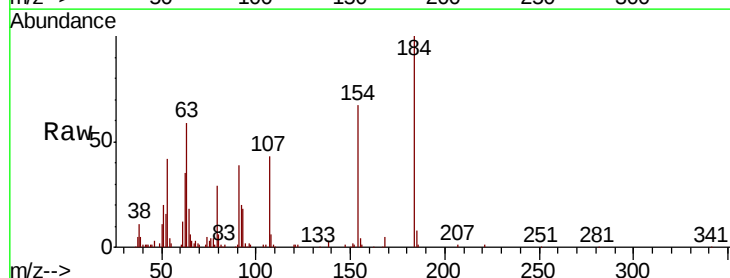
Manual Integrations  
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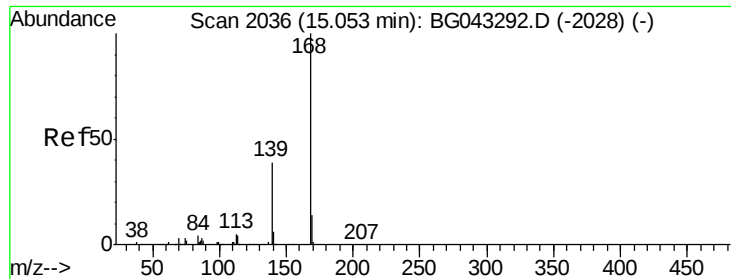
mohammad  
 10/31/2019 2:52:00 PM



#54  
 2,4-Dinitrophenol  
 Concen: 71.665 ng  
 RT: 14.76 min Scan# 1987  
 Delta R.T. -0.01 min  
 Lab File: BG043409.D  
 Acq: 30 Oct 2019 20:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 63      | 59.4  | 48.8  | 73.2  |
| 154     | 67.3  | 49.4  | 74.0  |





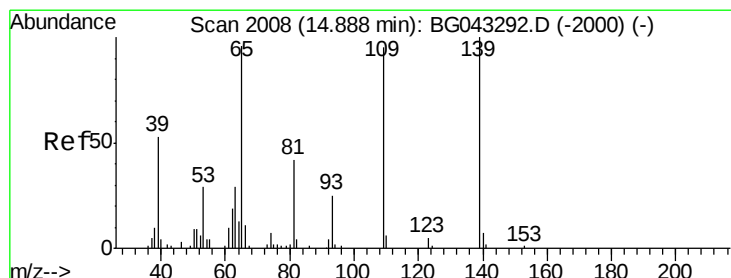
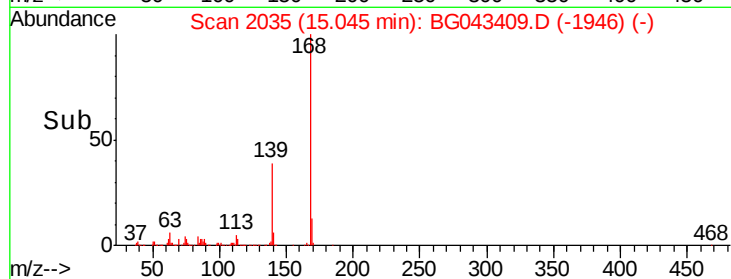
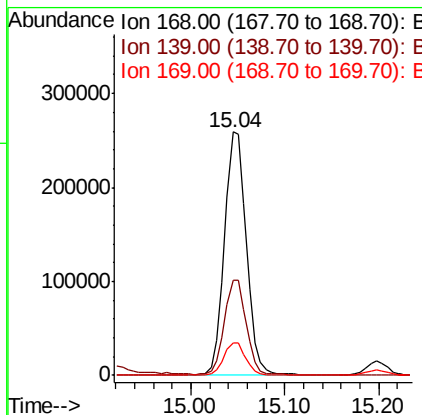
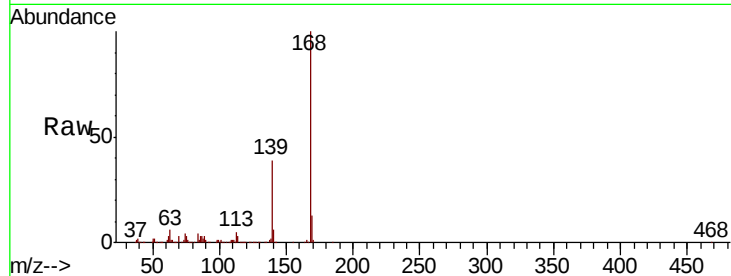
#55  
Dibenzenofuran  
Concen: 40.117 ng  
RT: 15.04 min Scan# 2035  
Delta R.T. -0.01 min  
Lab File: BG043409.D  
Acq: 30 Oct 2019 20:33

Instrument :  
BNA\_G  
ClientSampleId :  
184-40-(0-2)MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 38.9  | 31.7  | 47.5  |
| 169     | 13.4  | 11.0  | 16.4  |

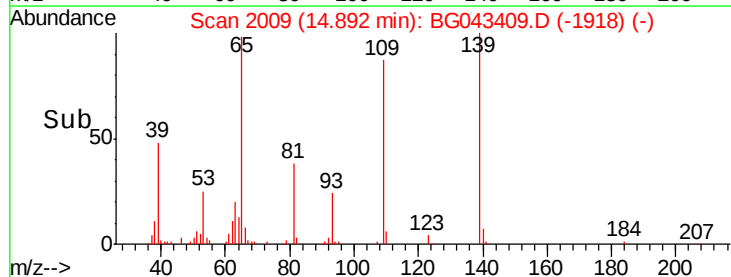
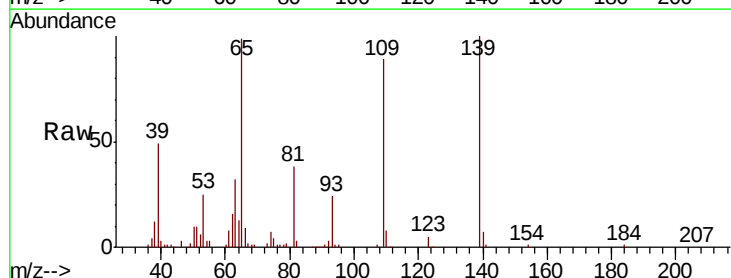
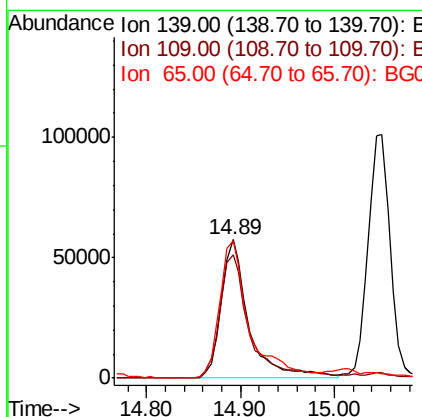
Manual Integrations  
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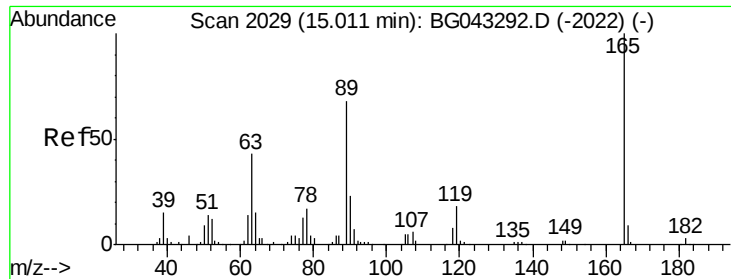
mohammad  
10/31/2019 2:52:00 PM



#56  
4-Nitrophenol  
Concen: 92.163 ng  
RT: 14.89 min Scan# 2009  
Delta R.T. 0.00 min  
Lab File: BG043409.D  
Acq: 30 Oct 2019 20:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 88.6  | 75.4  | 115.4 |
| 65      | 98.9  | 76.6  | 116.6 |





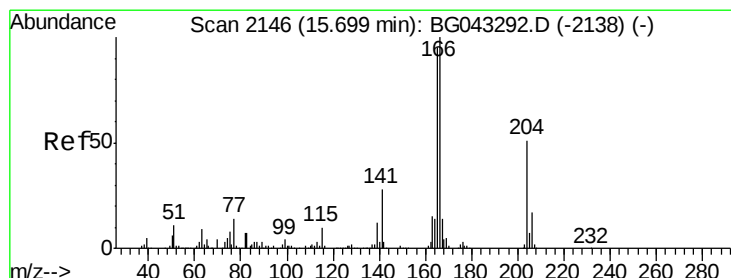
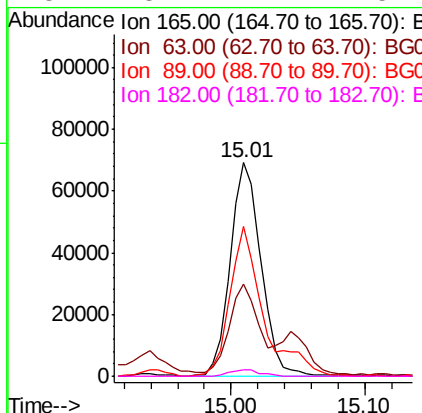
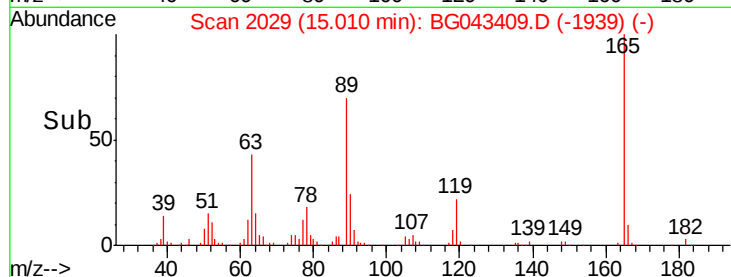
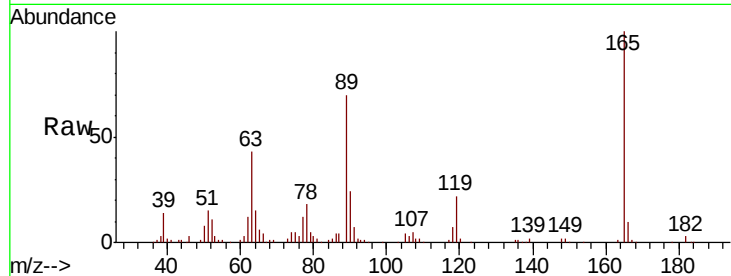
#57  
 2,4-Dinitrotoluene  
 Concen: 39.135 ng  
 RT: 15.01 min Scan# 2029  
 Delta R.T. -0.00 min  
 Lab File: BG043409.D  
 Acq: 30 Oct 2019 20:33

Instrument :  
 BNA\_G  
 ClientSampleId :  
 184-40-(0-2)MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 43.0  | 35.0  | 52.6  |
| 89      | 70.0  | 54.1  | 81.1  |
| 182     | 3.1   | 2.2   | 3.2   |

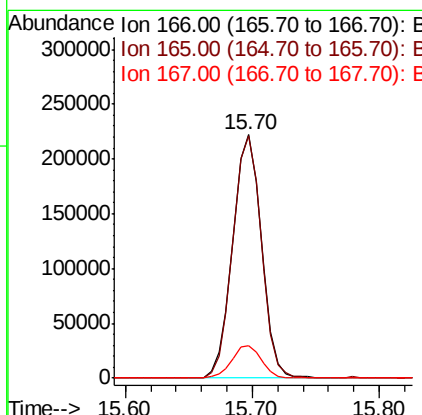
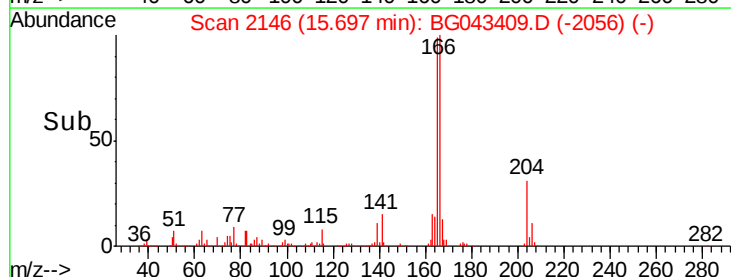
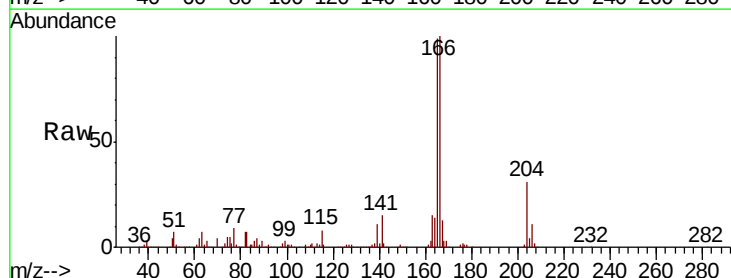
Manual Integrations  
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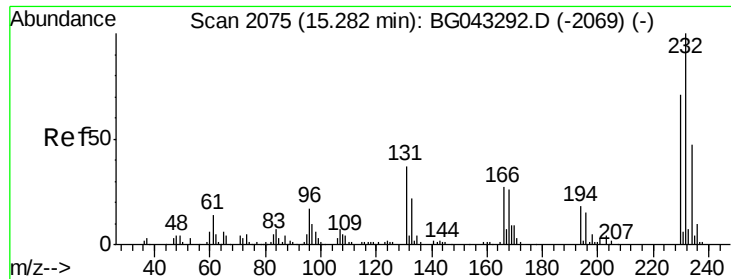
mohammad  
 10/31/2019 2:52:00 PM



#58  
 Fluorene  
 Concen: 39.393 ng  
 RT: 15.70 min Scan# 2146  
 Delta R.T. -0.00 min  
 Lab File: BG043409.D  
 Acq: 30 Oct 2019 20:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 99.4  | 76.4  | 114.6 |
| 167     | 13.5  | 11.1  | 16.7  |





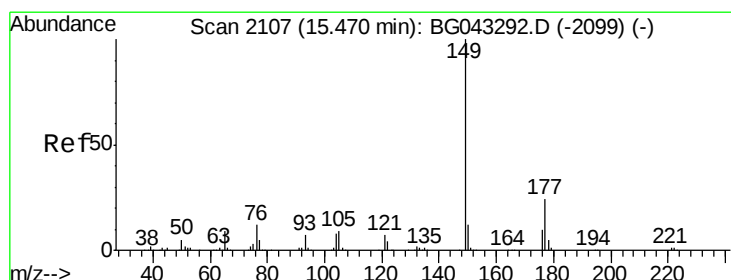
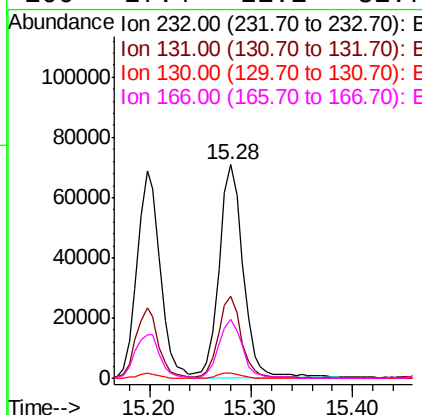
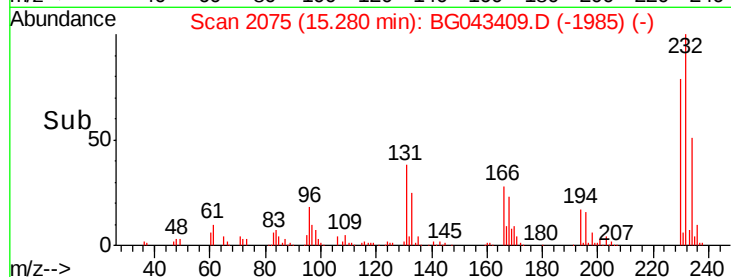
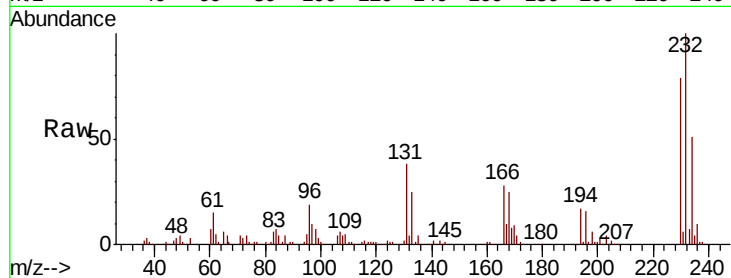
#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 41.844 ng  
 RT: 15.28 min Scan# 2075  
 Delta R.T. -0.00 min  
 Lab File: BG043409.D  
 Acq: 30 Oct 2019 20:33

Instrument :  
 BNA\_G  
 ClientSampleId :  
 184-40-(0-2)MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 232     | 100   |       |       |
| 131     | 36.6  | 28.7  | 43.1  |
| 130     | 2.4   | 0.6   | 0.8   |
| 166     | 27.4  | 21.1  | 31.7  |

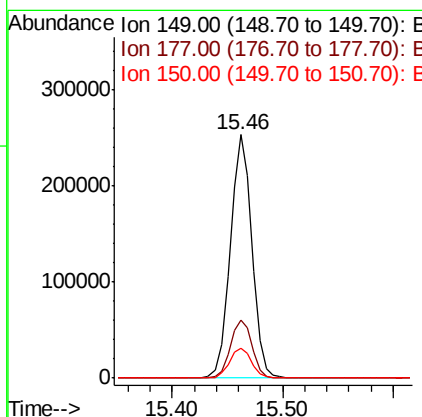
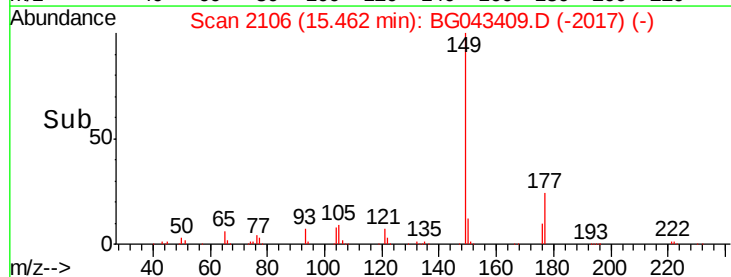
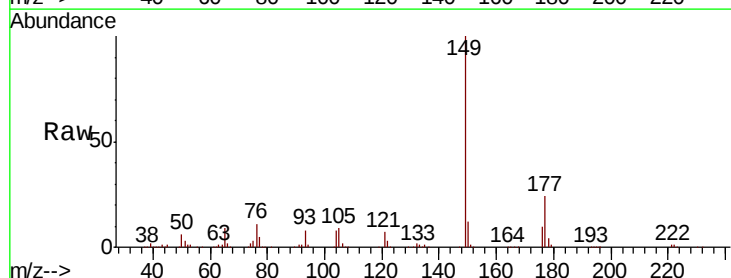
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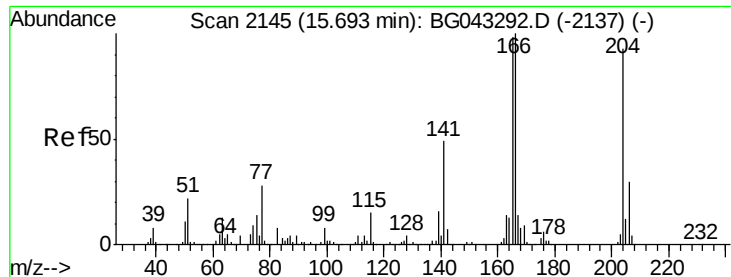
mohammad  
 10/31/2019 2:52:00 PM



#60  
 Diethylphthalate  
 Concen: 37.585 ng  
 RT: 15.46 min Scan# 2106  
 Delta R.T. -0.01 min  
 Lab File: BG043409.D  
 Acq: 30 Oct 2019 20:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 24.1  | 19.0  | 28.4  |
| 150     | 12.4  | 9.4   | 14.0  |





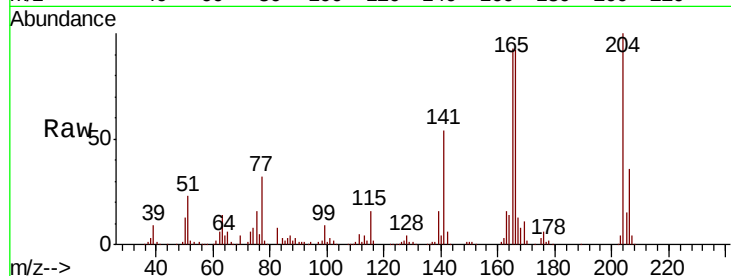
#61  
4-Chlorophenyl-phenylether  
Concen: 38.650 ng  
RT: 15.69 min Scan# 2144  
Delta R.T. -0.01 min  
Lab File: BG043409.D  
Acq: 30 Oct 2019 20:33

Instrument :  
BNA\_G  
ClientSampleId :  
184-40-(0-2)MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 35.8  | 25.7  | 38.5  |
| 141     | 54.5  | 42.3  | 63.5  |

Manual Integrations  
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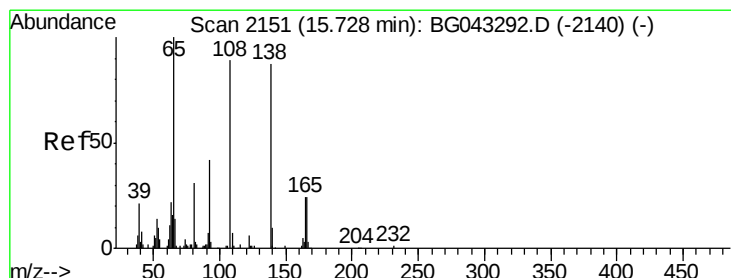
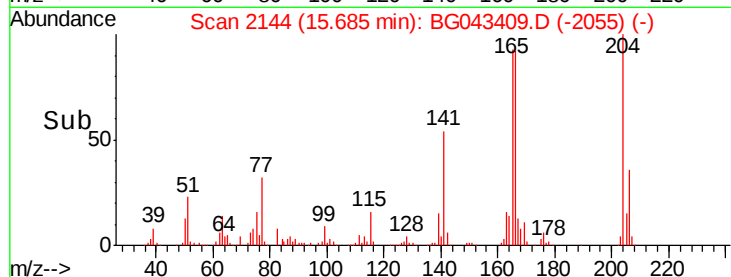
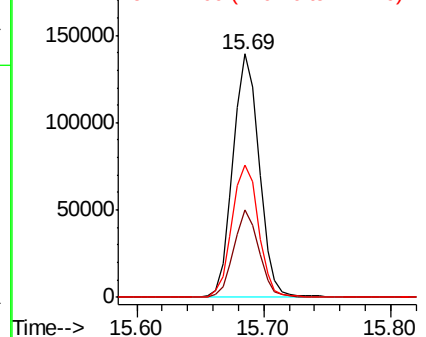


Abundance

Ion 204.00 (203.70 to 204.70): E

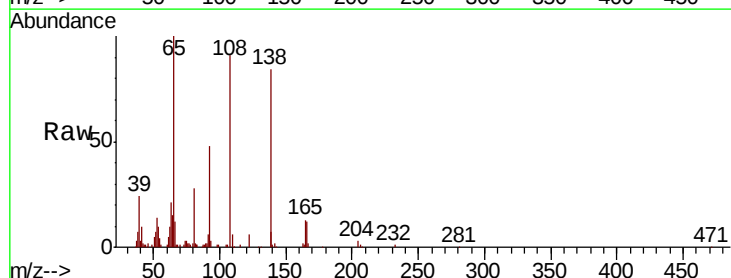
Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#62  
4-Nitroaniline  
Concen: 35.660 ng  
RT: 15.73 min Scan# 2151  
Delta R.T. -0.00 min  
Lab File: BG043409.D  
Acq: 30 Oct 2019 20:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 57.9  | 28.8  | 68.8  |
| 108     | 108.8 | 82.7  | 122.7 |

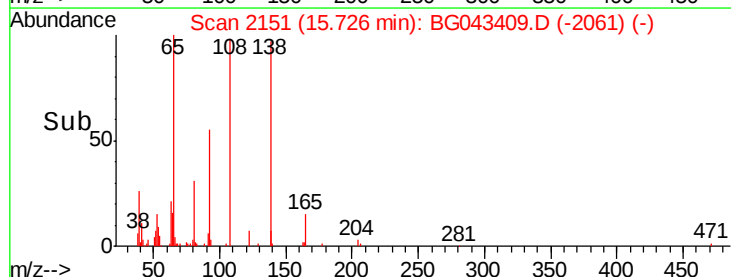
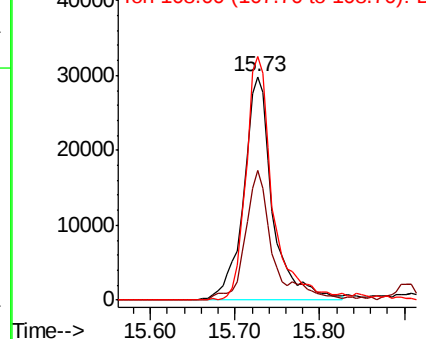


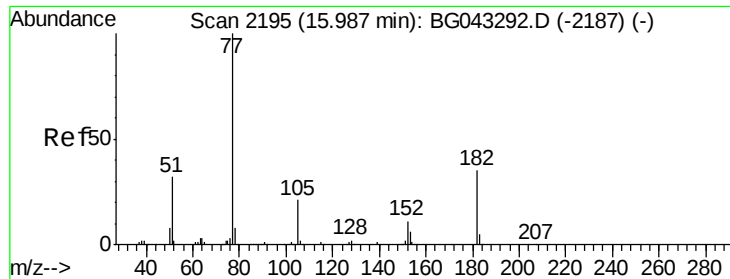
Abundance

Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG

Ion 108.00 (107.70 to 108.70): E





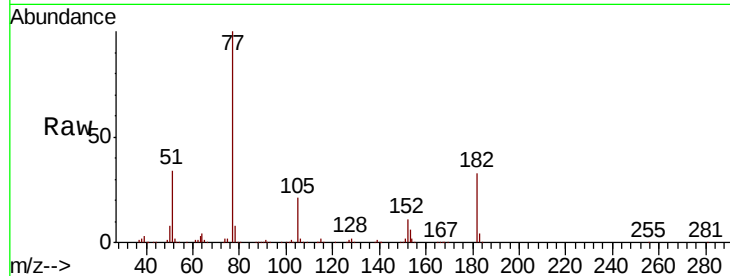
#63  
Azobenzene  
Concen: 38.892 ng  
RT: 15.98 min Scan# 2194  
Delta R.T. -0.01 min  
Lab File: BG043409.D  
Acq: 30 Oct 2019 20:33

Instrument :  
BNA\_G  
ClientSampleId :  
184-40-(0-2)MS

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 77      | 100  |       | 289536 |       |       |
| 182     | 32.9 | 14.9  | 54.9   |       |       |
| 105     | 20.9 | 0.6   | 40.6   |       |       |
| 51      | 33.7 | 12.5  | 52.5   |       |       |

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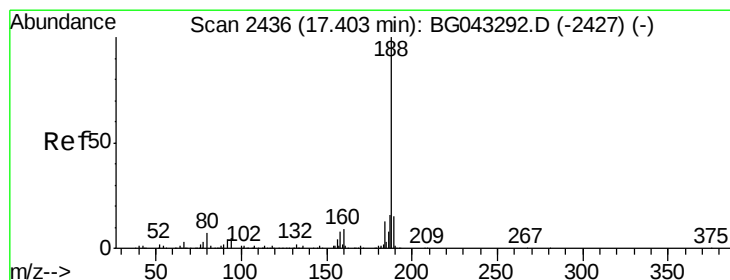
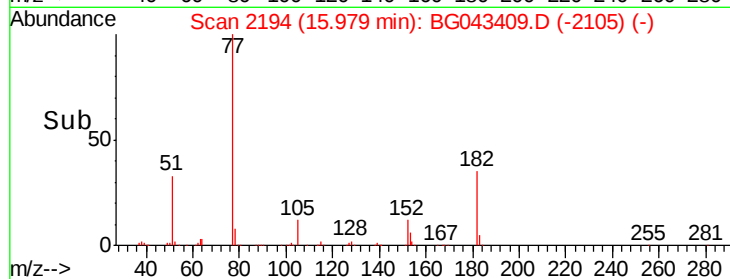
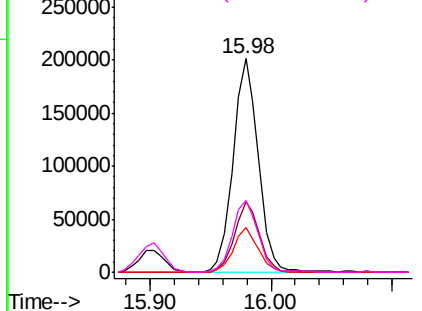
Abundance

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: 17.39 min Scan# 2435  
Delta R.T. -0.01 min  
Lab File: BG043409.D  
Acq: 30 Oct 2019 20:33

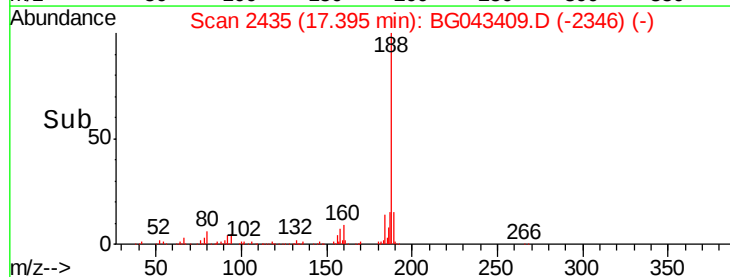
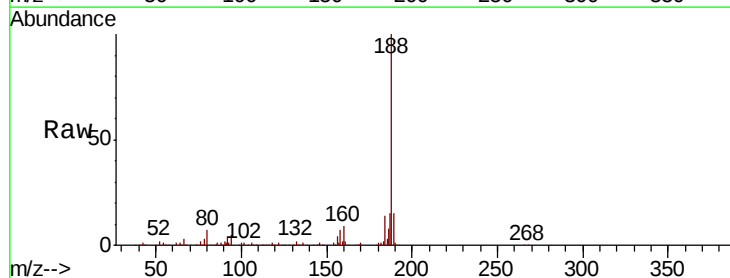
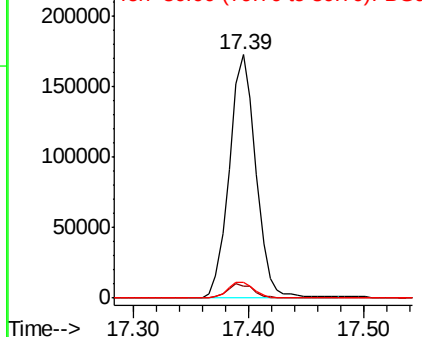
| Tgt Ion | Ion | Ratio | Resp   | Lower | Upper |
|---------|-----|-------|--------|-------|-------|
| 188     | 100 |       | 275996 |       |       |
| 94      | 4.8 | 4.2   | 6.2    |       |       |
| 80      | 6.6 | 5.2   | 7.8    |       |       |

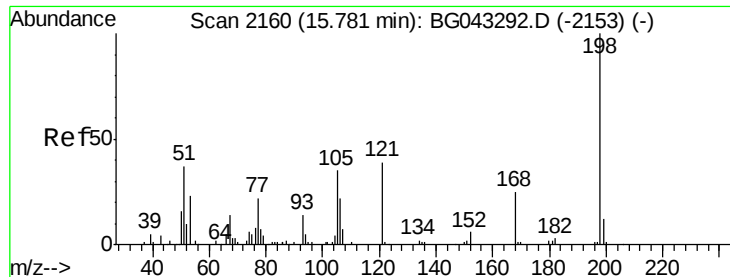
Abundance

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: 43.371 ng

RT: 15.77 min Scan# 2159

Delta R.T. -0.01 min

Lab File: BG043409.D

Acq: 30 Oct 2019 20:33

Instrument :

BNA\_G

ClientSampleId :

184-40-(0-2)MS

Tot Ion:198 Resp: 70445

Ion Ratio Lower Upper

198 100

51 39.0 21.4 61.4

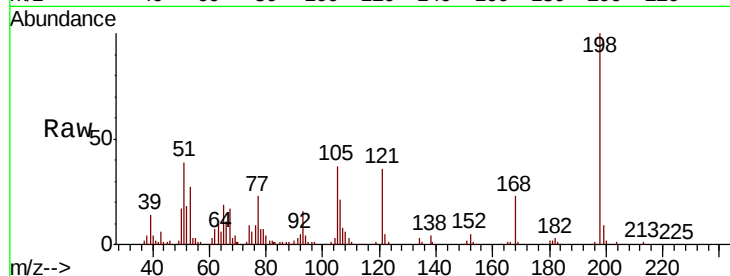
105 36.7 16.5 56.5

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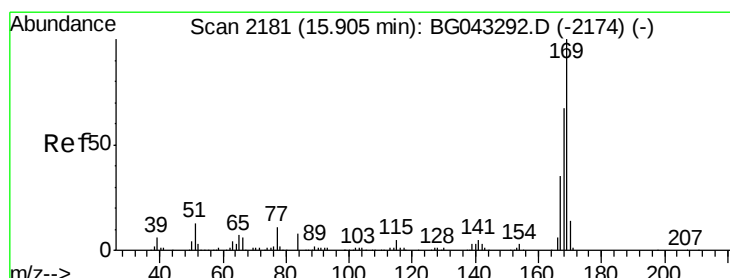
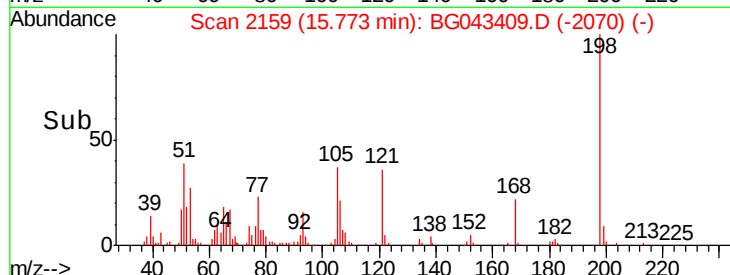
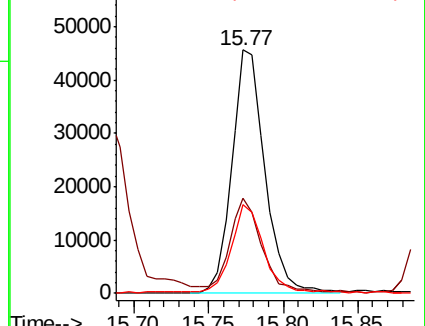
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Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 39.718 ng

RT: 15.90 min Scan# 2181

Delta R.T. -0.00 min

Lab File: BG043409.D

Acq: 30 Oct 2019 20:33

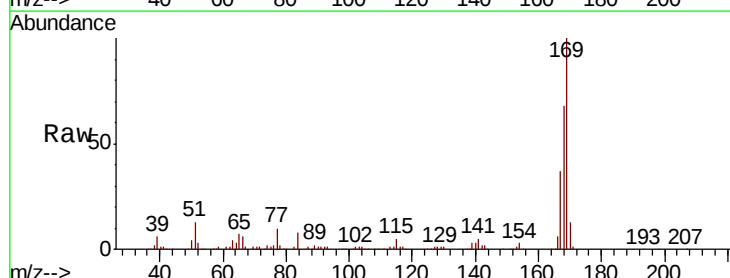
Tgt Ion:169 Resp: 309485

Ion Ratio Lower Upper

169 100

168 67.5 53.9 80.9

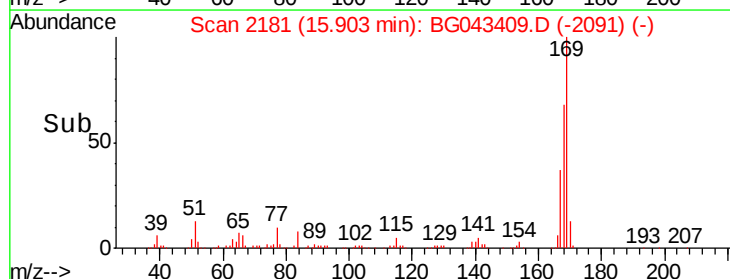
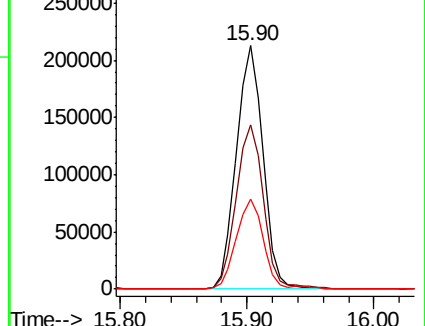
167 37.1 28.3 42.5

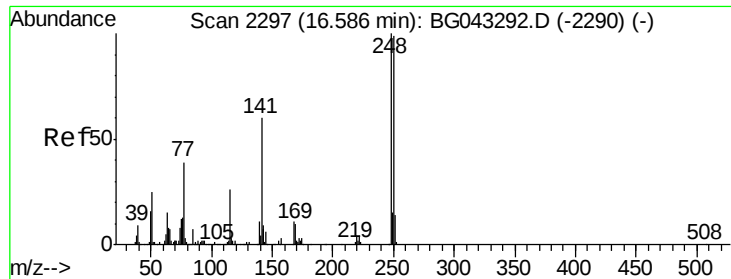


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





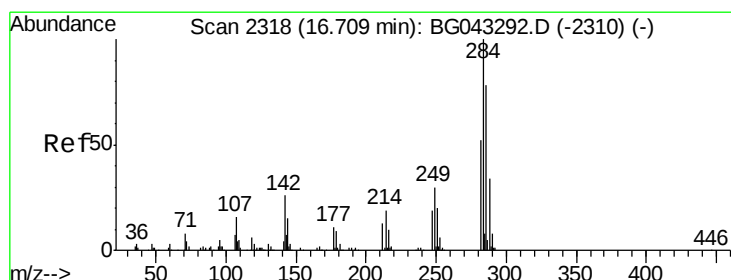
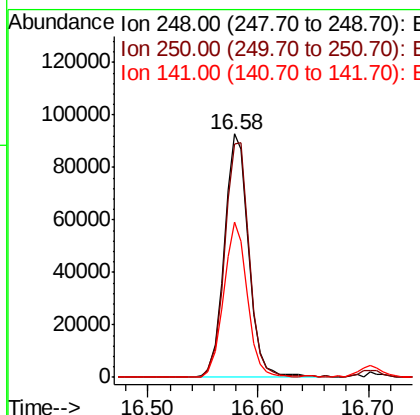
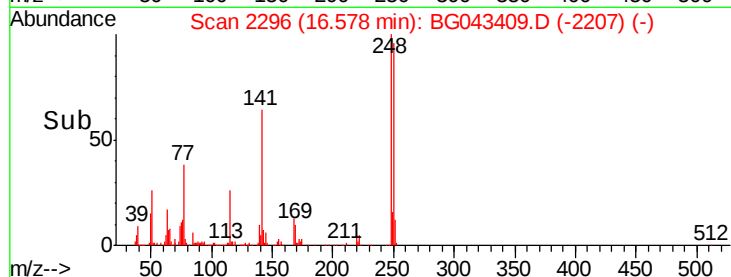
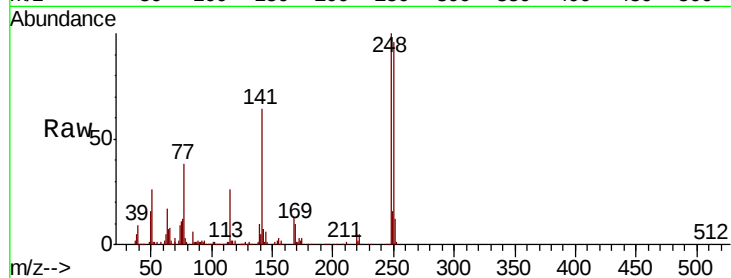
#67  
4-Bromophenyl-phenylether  
Concen: 38.286 ng  
RT: 16.58 min Scan# 2296  
Delta R.T. -0.01 min  
Lab File: BG043409.D  
Acq: 30 Oct 2019 20:33

Instrument :  
BNA\_G  
ClientSampleId :  
184-40-(0-2)MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 95.7  | 79.3  | 118.9 |
| 141     | 64.0  | 47.9  | 71.9  |

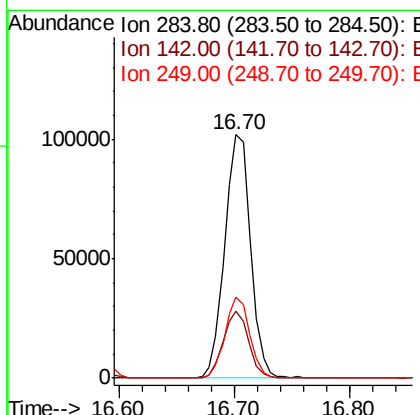
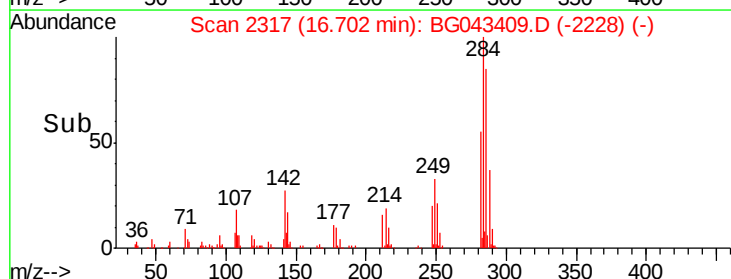
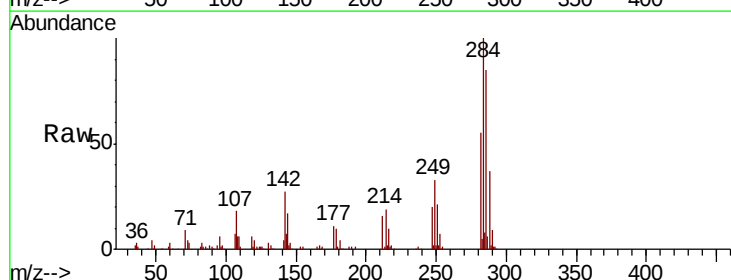
Manual Integrations  
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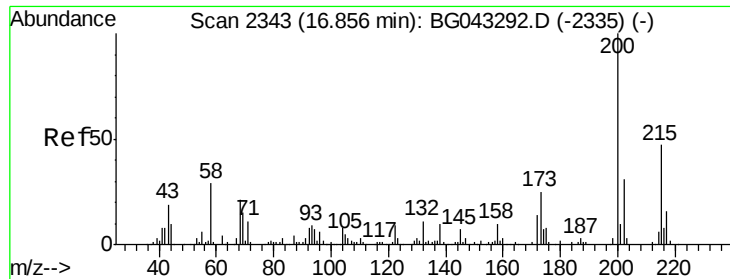
mohammad  
10/31/2019 2:52:00 PM



#68  
Hexachlorobenzene  
Concen: 37.034 ng  
RT: 16.70 min Scan# 2317  
Delta R.T. -0.01 min  
Lab File: BG043409.D  
Acq: 30 Oct 2019 20:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 27.4  | 21.1  | 31.7  |
| 249     | 33.3  | 24.4  | 36.6  |





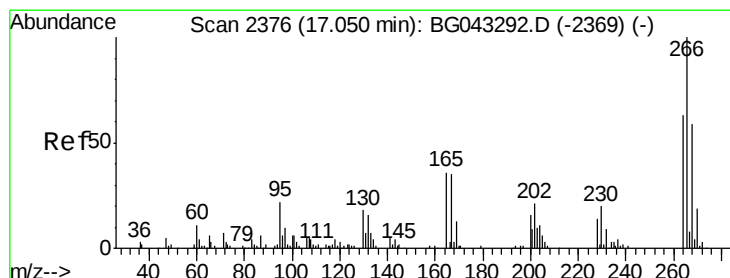
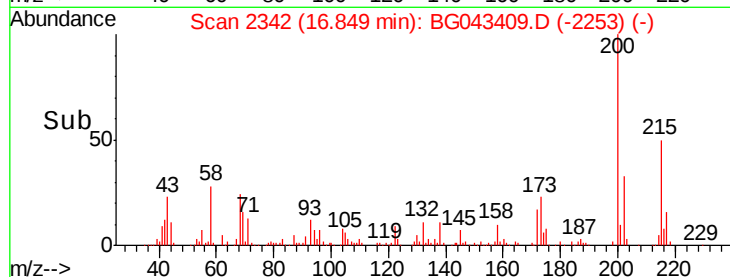
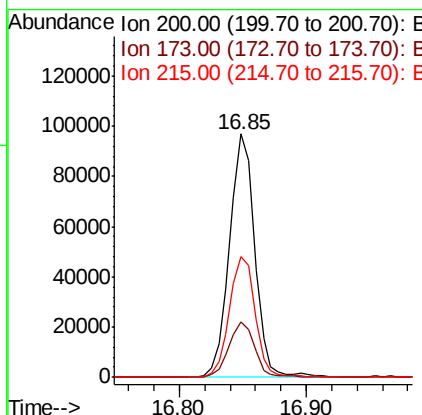
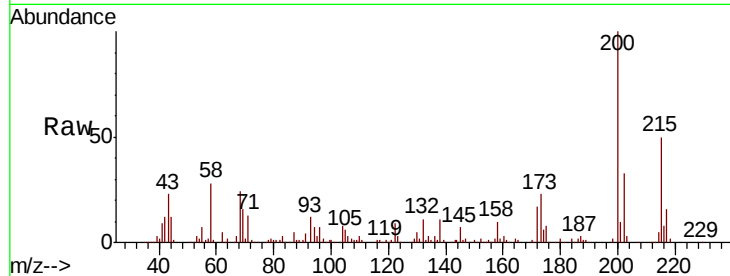
#69  
Atrazine  
Concen: 49.409 ng  
RT: 16.85 min Scan# 2342  
Delta R.T. -0.01 min  
Lab File: BG043409.D  
Acq: 30 Oct 2019 20:33

Instrument :  
BNA\_G  
ClientSampleId :  
184-40-(0-2)MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 22.6  | 5.1   | 45.1  |
| 215     | 49.6  | 26.6  | 66.6  |

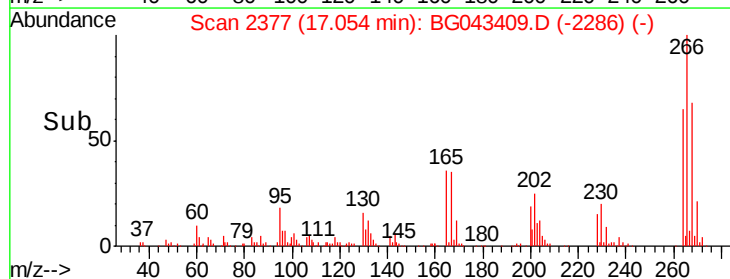
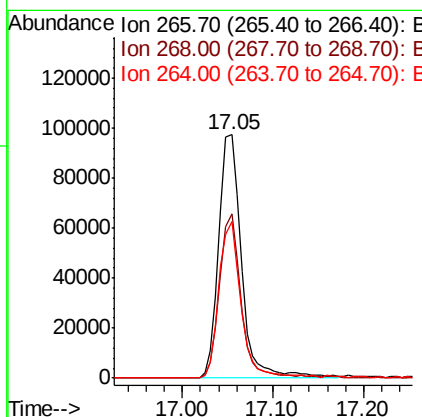
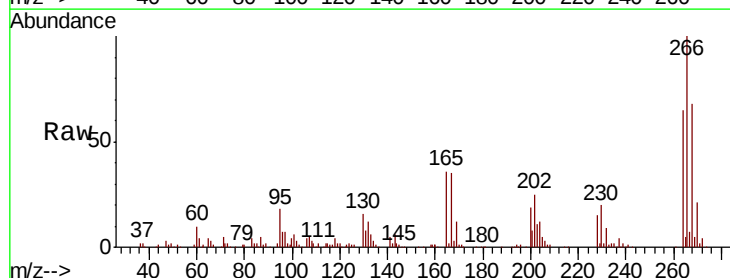
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#70  
Pentachlorophenol  
Concen: 87.816 ng  
RT: 17.05 min Scan# 2377  
Delta R.T. 0.00 min  
Lab File: BG043409.D  
Acq: 30 Oct 2019 20:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 67.7  | 47.1  | 70.7  |
| 264     | 64.6  | 50.4  | 75.6  |





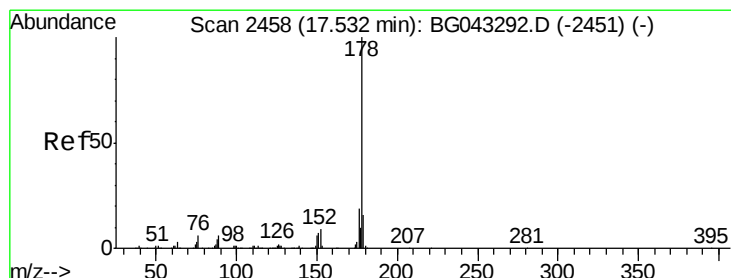
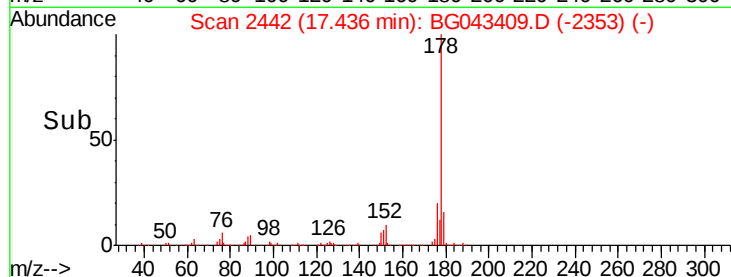
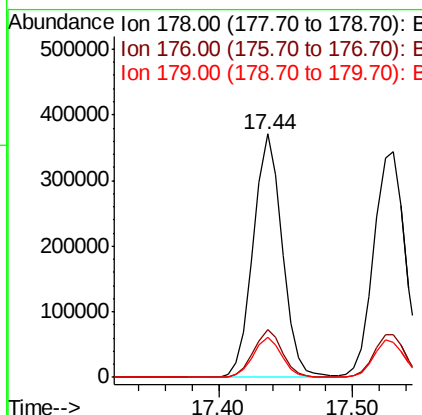
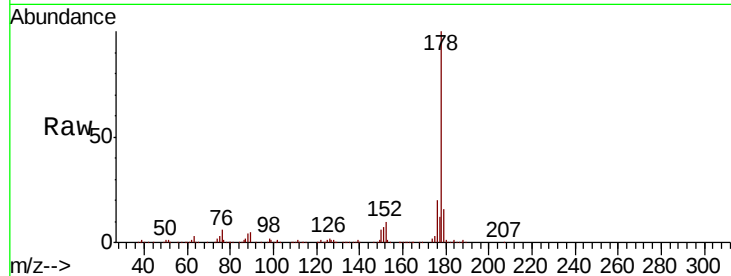
#71  
Phenanthrene  
Concen: 39.194 ng  
RT: 17.44 min Scan# 2442  
Delta R.T. -0.01 min  
Lab File: BG043409.D  
Acq: 30 Oct 2019 20:33

Instrument :  
BNA\_G  
ClientSampleId :  
184-40-(0-2)MS

|             |       |           |
|-------------|-------|-----------|
| Tot Ion:178 | Resp: | 553931    |
| Ion Ratio   | Lower | Upper     |
| 178         | 100   |           |
| 176         | 19.8  | 15.8 23.8 |
| 179         | 16.4  | 13.1 19.7 |

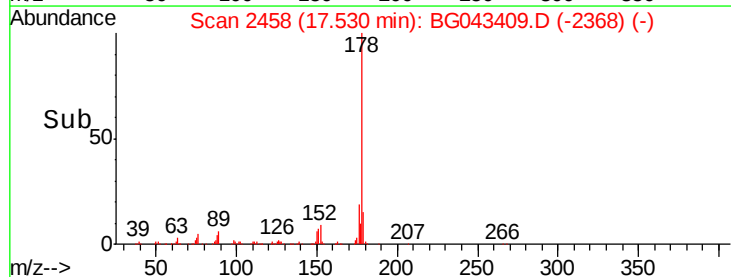
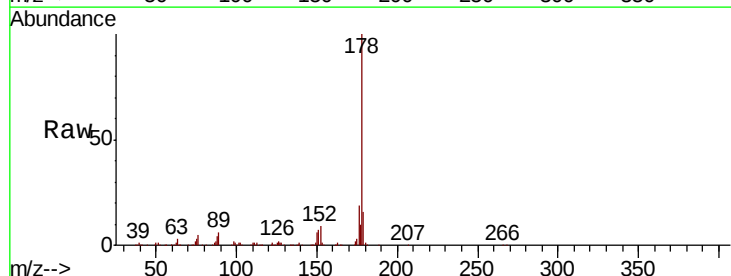
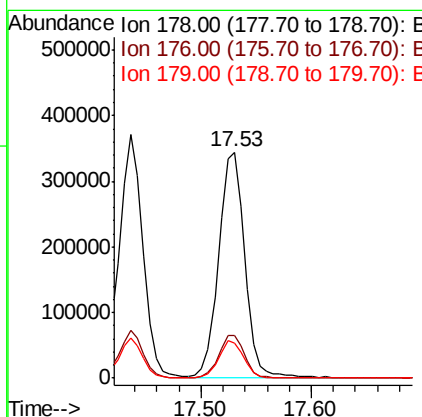
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#72  
Anthracene  
Concen: 39.882 ng  
RT: 17.53 min Scan# 2458  
Delta R.T. -0.00 min  
Lab File: BG043409.D  
Acq: 30 Oct 2019 20:33

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:178 | Resp: | 563953    |
| Ion Ratio   | Lower | Upper     |
| 178         | 100   |           |
| 176         | 19.0  | 15.1 22.7 |
| 179         | 15.5  | 13.0 19.6 |





#73

Carbazole

Concen: 39.191 ng

RT: 17.80 min Scan# 2504

Delta R.T. -0.01 min

Lab File: BG043409.D

Acq: 30 Oct 2019 20:33

Instrument :

BNA\_G

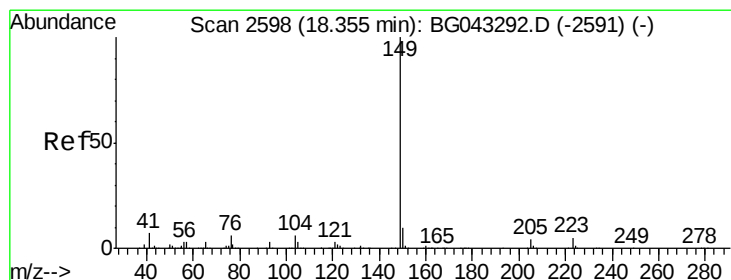
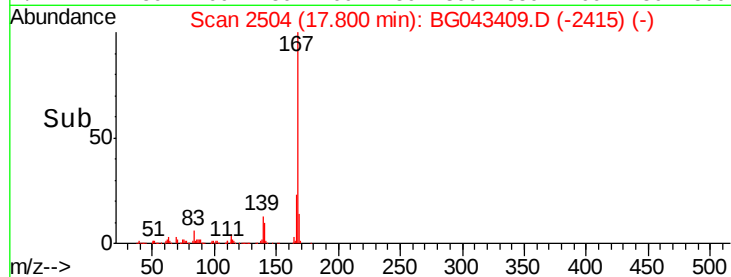
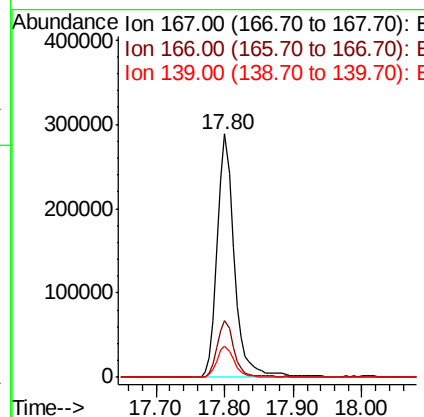
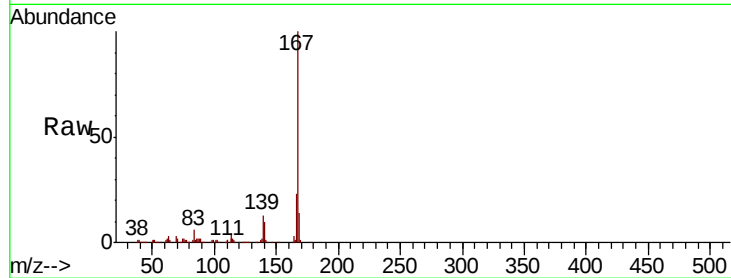
ClientSampleId :

184-40-(0-2)MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 167   | Resp: | 501843 |
| Ion Ratio | Lower | Upper |        |
| 167       | 100   |       |        |
| 166       | 23.1  | 18.4  | 27.6   |
| 139       | 13.0  | 10.2  | 15.4   |

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#74

Di-n-butylphthalate

Concen: 38.763 ng

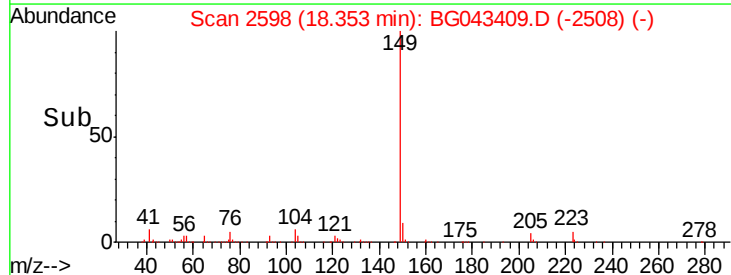
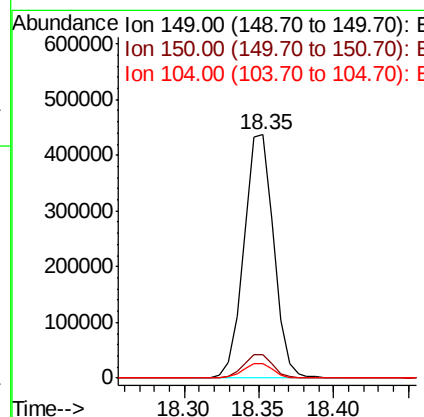
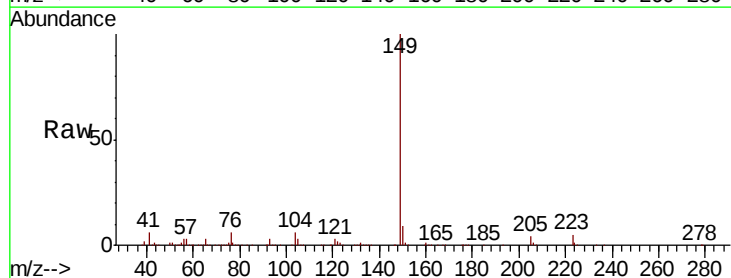
RT: 18.35 min Scan# 2598

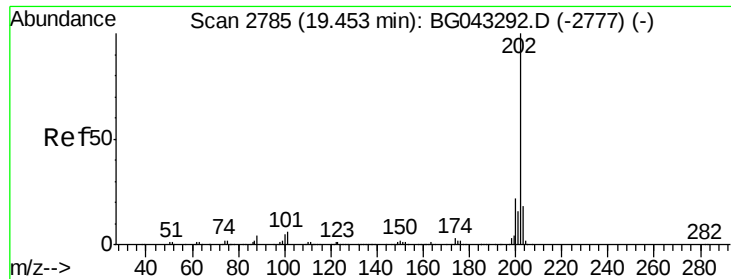
Delta R.T. -0.00 min

Lab File: BG043409.D

Acq: 30 Oct 2019 20:33

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 149   | Resp: | 602267 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 150       | 9.4   | 8.0   | 12.0   |
| 104       | 5.9   | 4.7   | 7.1    |





#75

Fluoranthene

Concen: 39.509 ng

RT: 19.45 min Scan# 2784

Delta R.T. -0.01 min

Lab File: BG043409.D

Acq: 30 Oct 2019 20:33

Instrument :

BNA\_G

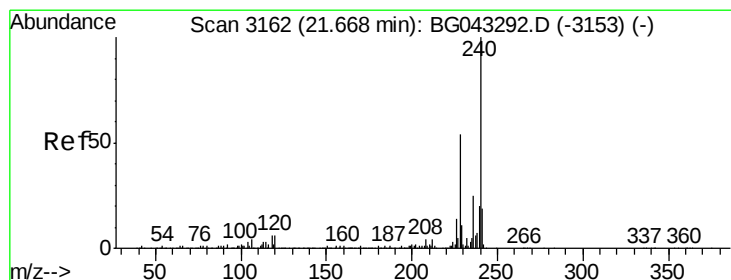
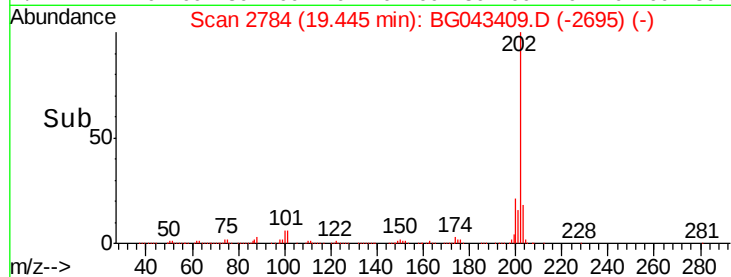
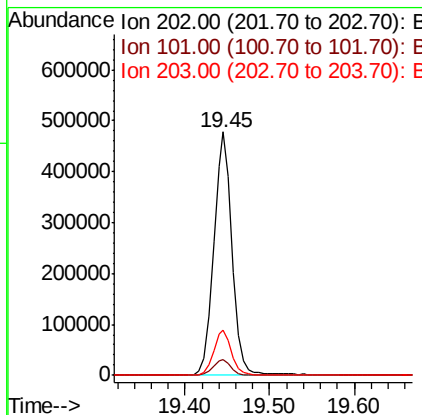
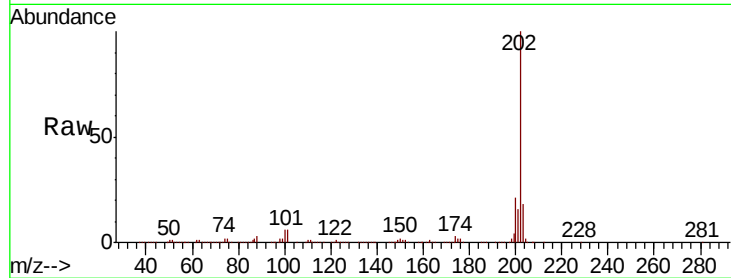
ClientSampleId :

184-40-(0-2)MS

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 202     | 100  |       | 727963 |       |       |
| 101     | 6.4  | 0.0   | 26.0   |       |       |
| 203     | 18.3 | 0.0   | 38.2   |       |       |

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#76

Chrysene-d12

Concen: 20.000 ng

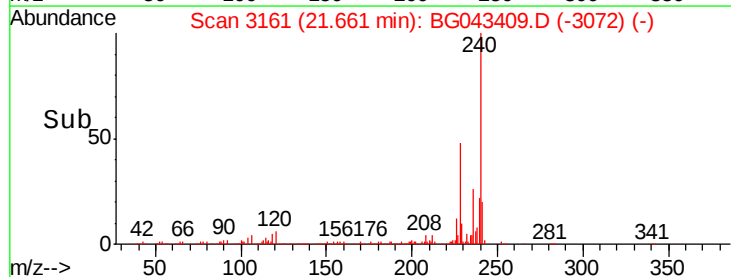
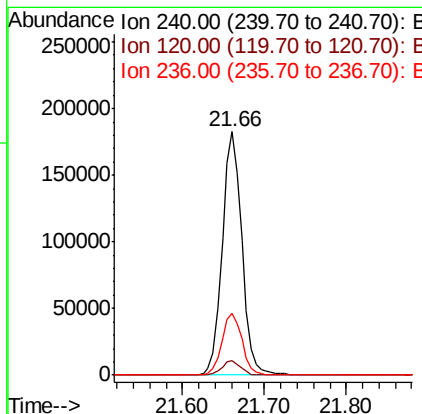
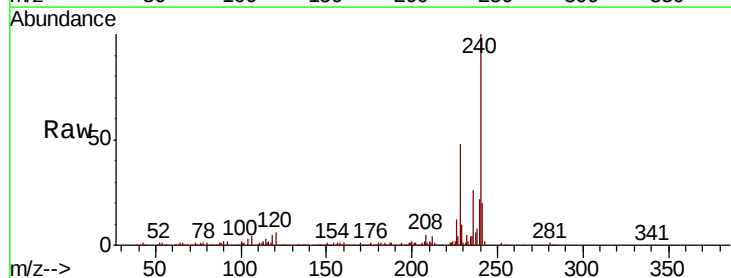
RT: 21.66 min Scan# 3161

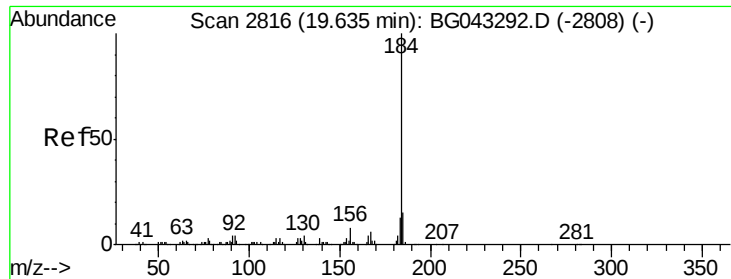
Delta R.T. -0.01 min

Lab File: BG043409.D

Acq: 30 Oct 2019 20:33

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 240     | 100  |       | 304729 |       |       |
| 120     | 5.9  | 4.6   | 7.0    |       |       |
| 236     | 25.5 | 20.2  | 30.4   |       |       |





#77

Benzidine

Concen: 29.460 ng

RT: 19.63 min Scan# 2815

Delta R.T. -0.01 min

Lab File: BG043409.D

Acq: 30 Oct 2019 20:33

Instrument :

BNA\_G

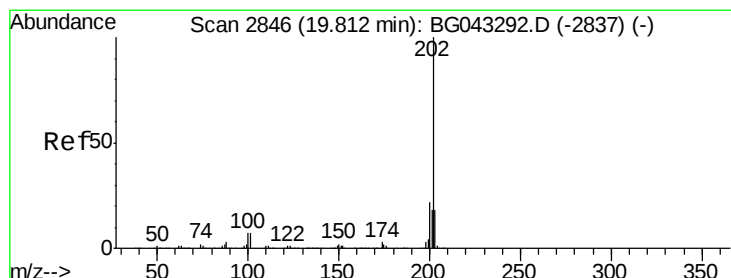
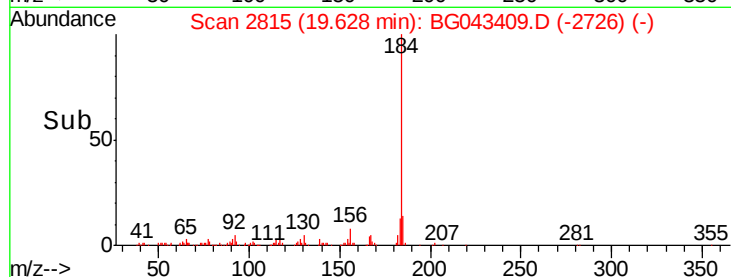
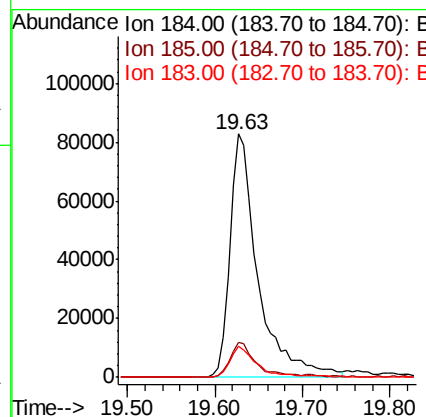
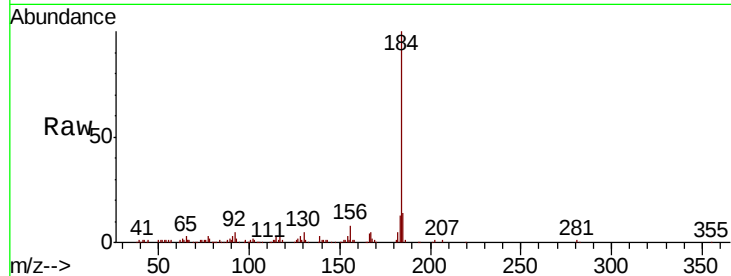
ClientSampleId :

184-40-(0-2)MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 184   | Resp: | 180670 |
| Ion Ratio | Lower | Upper |        |
| 184       | 100   |       |        |
| 185       | 14.5  | 11.8  | 17.6   |
| 183       | 12.6  | 10.6  | 16.0   |

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#78

Pyrene

Concen: 39.227 ng

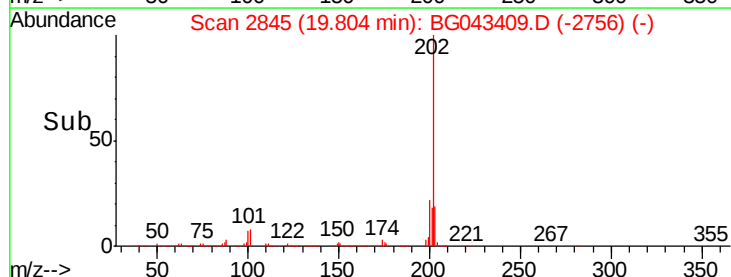
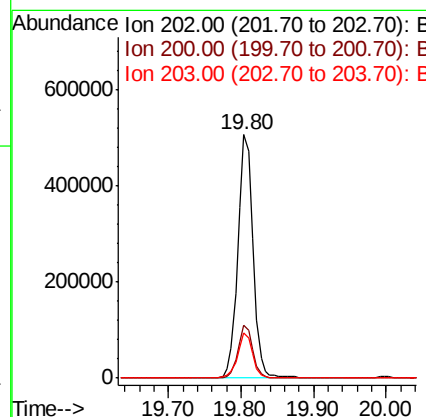
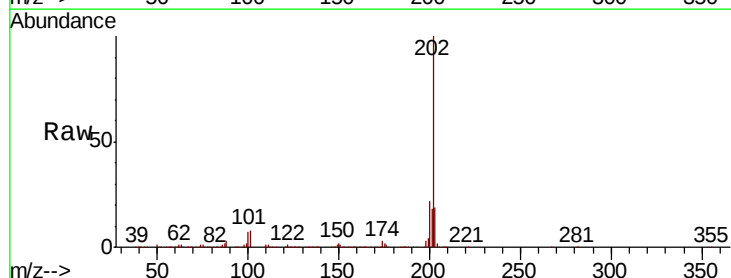
RT: 19.80 min Scan# 2845

Delta R.T. -0.01 min

Lab File: BG043409.D

Acq: 30 Oct 2019 20:33

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 739918 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 200       | 22.0  | 17.3  | 25.9   |
| 203       | 18.8  | 14.5  | 21.7   |





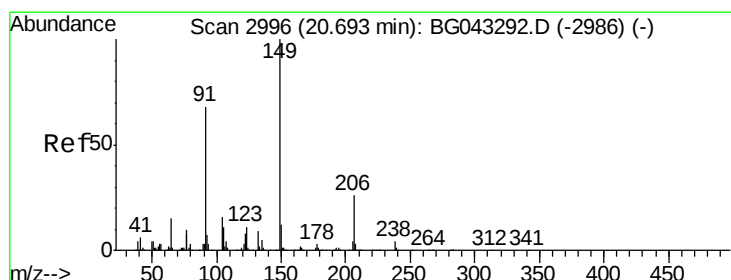
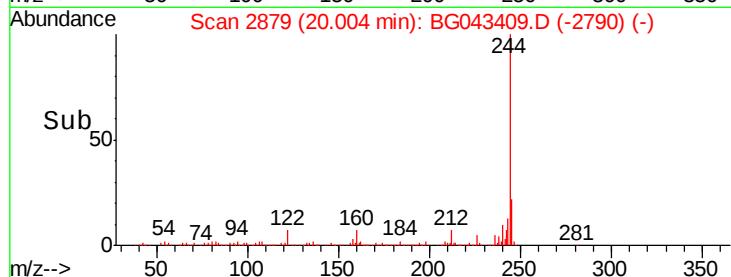
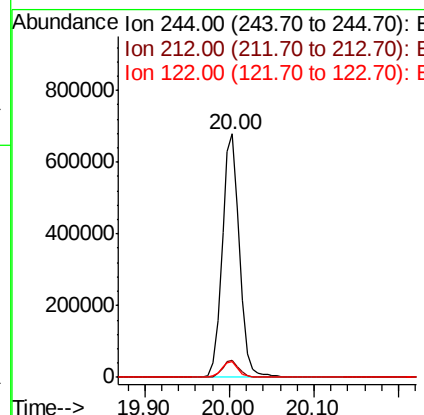
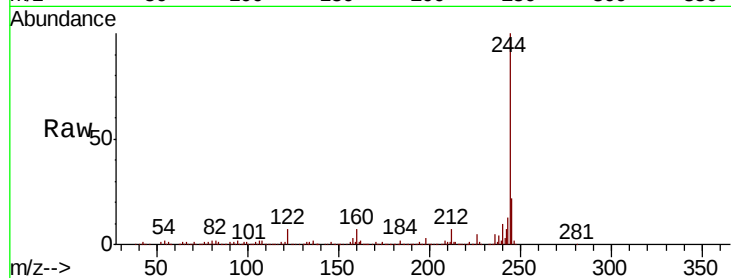
#79  
 Terphenyl-d14  
 Concen: 59.722 ng  
 RT: 20.00 min Scan# 2879  
 Delta R.T. -0.01 min  
 Lab File: BG043409.D  
 Acq: 30 Oct 2019 20:33

Instrument :  
 BNA\_G  
 ClientSampleId :  
 184-40-(0-2)MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.1   | 6.4   | 9.6   |
| 122     | 6.6   | 5.3   | 7.9   |

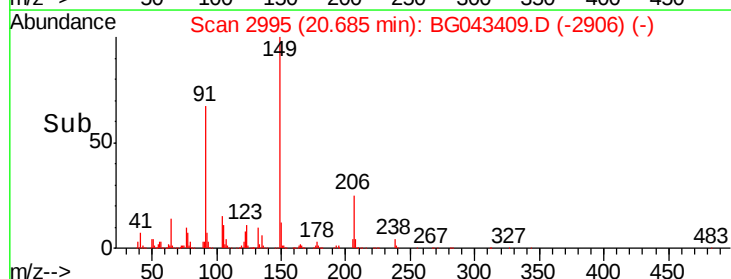
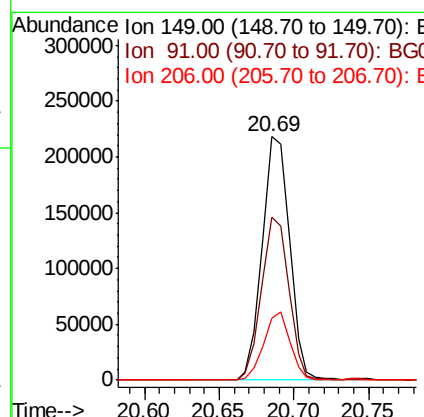
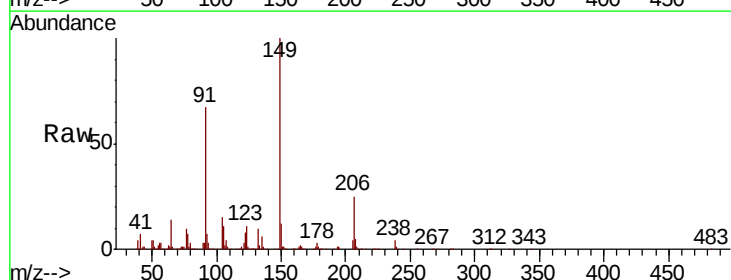
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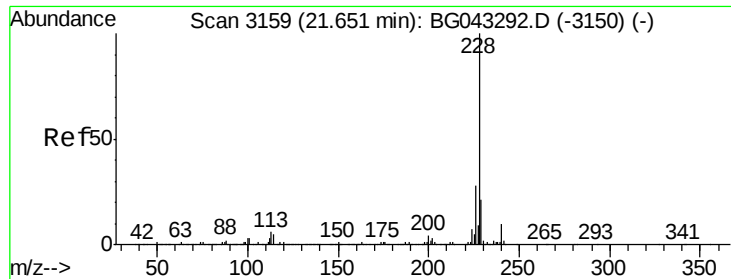
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#80  
 Butylbenzylphthalate  
 Concen: 38.659 ng  
 RT: 20.69 min Scan# 2995  
 Delta R.T. -0.01 min  
 Lab File: BG043409.D  
 Acq: 30 Oct 2019 20:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 67.2  | 54.6  | 82.0  |
| 206     | 25.4  | 20.5  | 30.7  |





#81

Benzo(a)anthracene

Concen: 40.030 ng

RT: 21.64 min Scan# 3157

Delta R.T. -0.01 min

Lab File: BG043409.D

Acq: 30 Oct 2019 20:33

Instrument :

BNA\_G

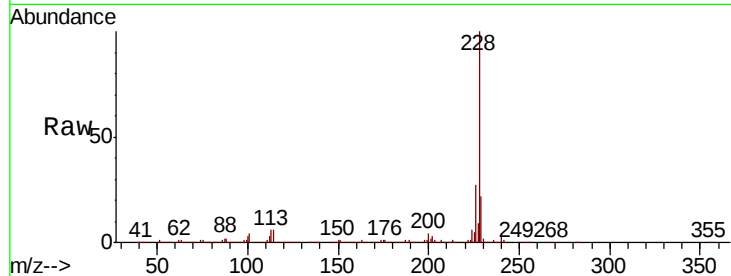
ClientSampleId :

184-40-(0-2)MS

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 228     | 100  |       |       |       |
| 226     | 27.3 | 22.2  | 33.4  |       |
| 229     | 21.5 | 16.9  | 25.3  |       |

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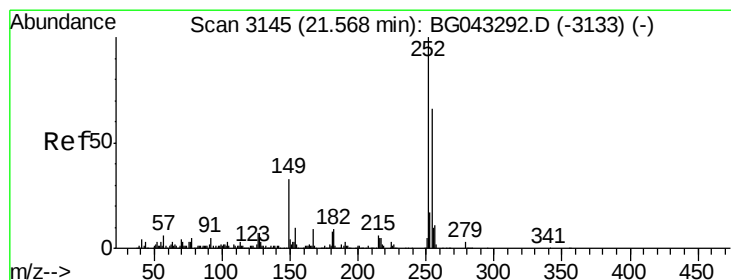
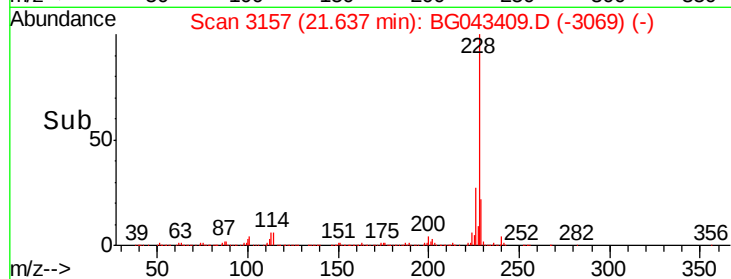
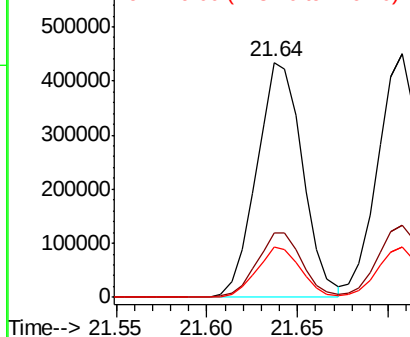


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 25.688 ng

RT: 21.55 min Scan# 3143

Delta R.T. -0.01 min

Lab File: BG043409.D

Acq: 30 Oct 2019 20:33

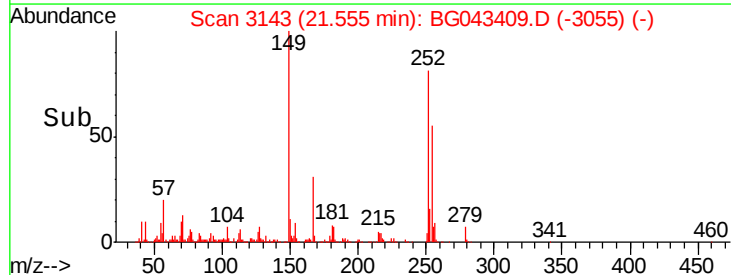
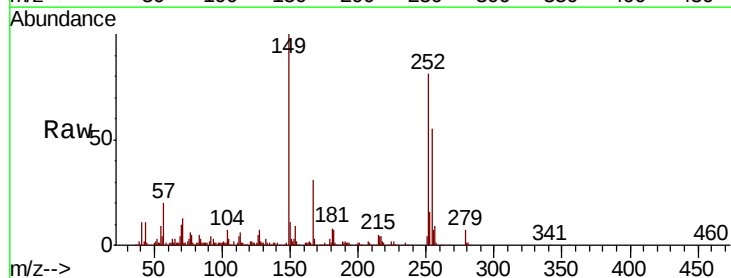
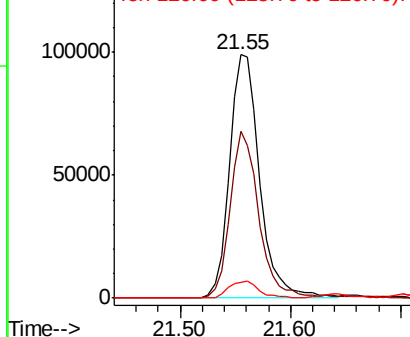
| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 252     | 100  |       |       |       |
| 254     | 68.3 | 52.7  | 79.1  |       |
| 126     | 6.7  | 5.6   | 8.4   |       |

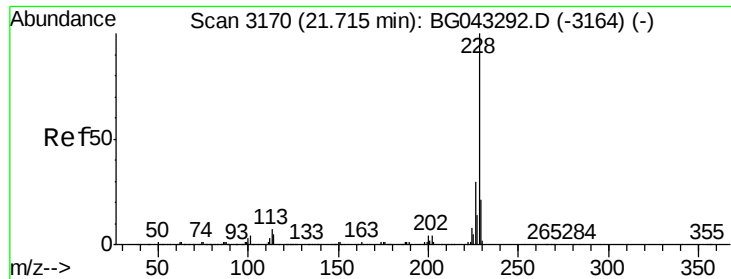
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrvsene

Concen: 39.859 ng

RT: 21.71 min Scan# 3169

Delta R.T. -0.01 min

Lab File: BG043409.D

Acq: 30 Oct 2019 20:33

Instrument :

BNA\_G

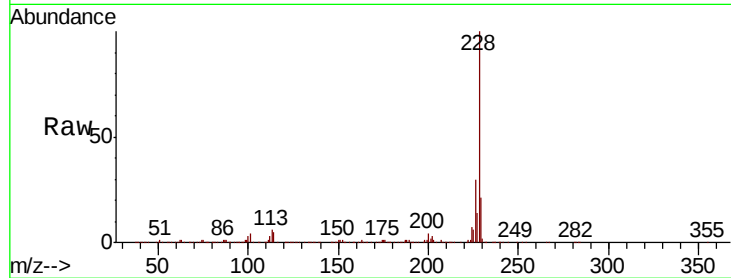
ClientSampleId :

184-40-(0-2)MS

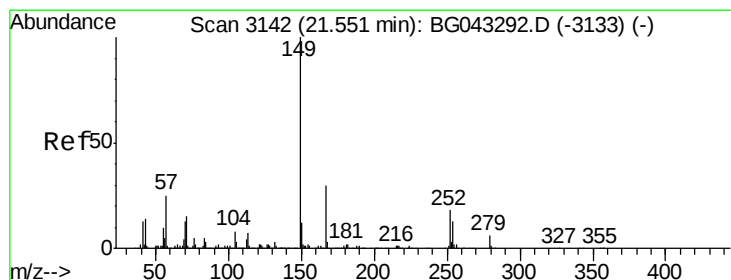
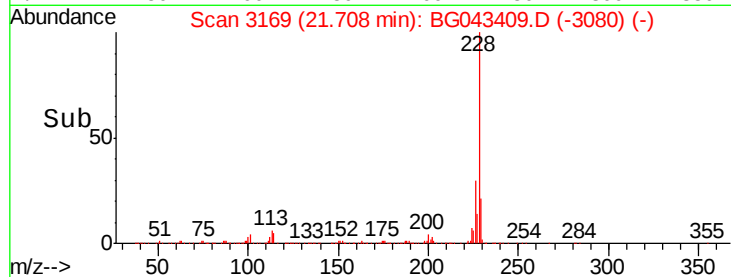
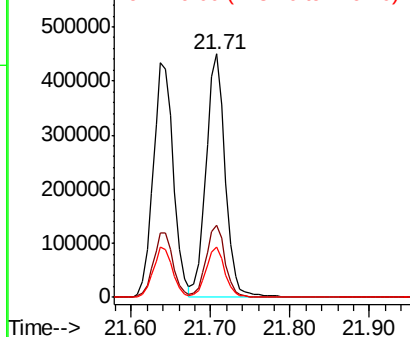
|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 228  | Resp: | 755944 |
| Ion Ratio |      | Lower | Upper  |
| 228       | 100  |       |        |
| 226       | 29.7 | 23.8  | 35.8   |
| 229       | 20.8 | 16.3  | 24.5   |

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



#84

Bis(2-ethylhexyl)phthalate

Concen: 39.677 ng

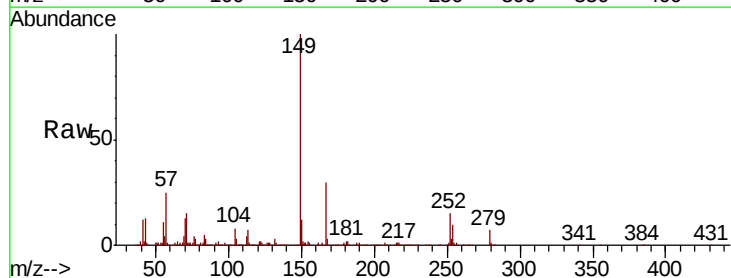
RT: 21.54 min Scan# 3141

Delta R.T. -0.01 min

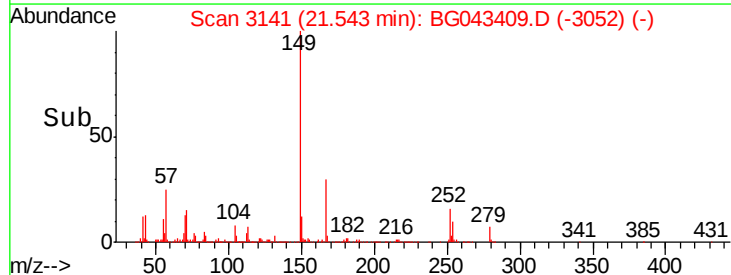
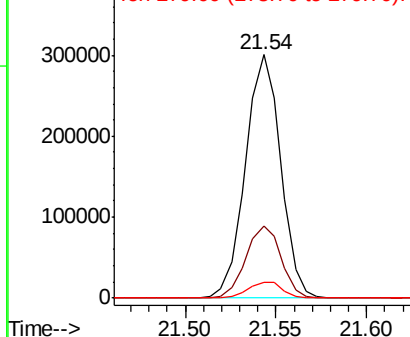
Lab File: BG043409.D

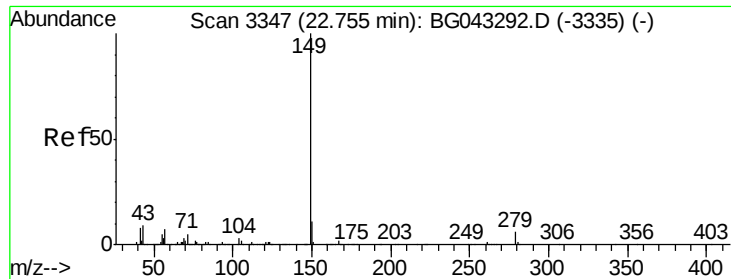
Acq: 30 Oct 2019 20:33

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 149  | Resp: | 402767 |
| Ion Ratio |      | Lower | Upper  |
| 149       | 100  |       |        |
| 167       | 29.5 | 23.9  | 35.9   |
| 279       | 6.6  | 4.8   | 7.2    |



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





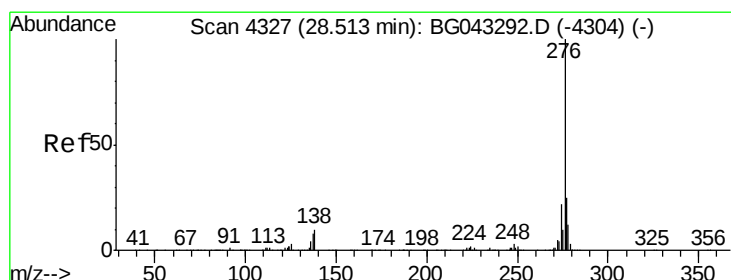
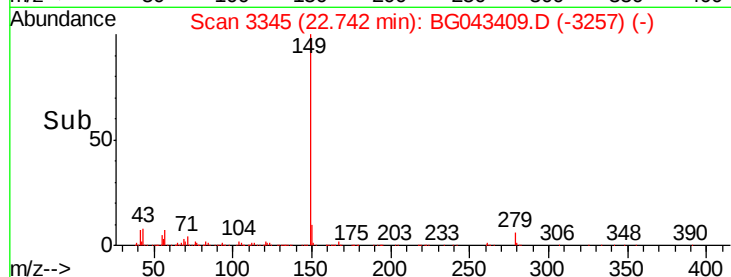
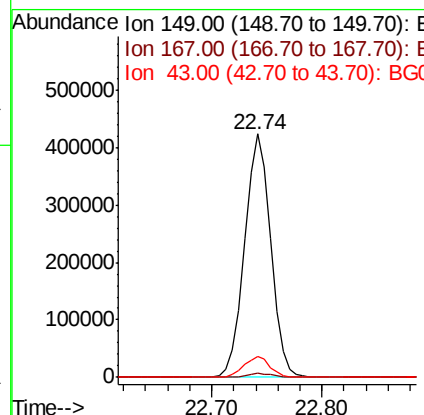
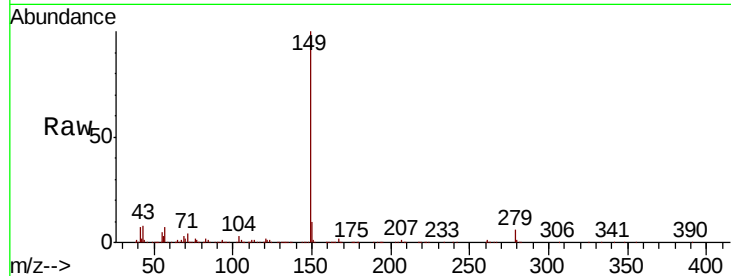
#85  
Di-n-octyl phthalate  
Concen: 40.865 ng  
RT: 22.74 min Scan# 3345  
Delta R.T. -0.01 min  
Lab File: BG043409.D  
Acq: 30 Oct 2019 20:33

Instrument :  
BNA\_G  
ClientSampleId :  
184-40-(0-2)MS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 149     | 100   |      |       |       |
| 167     | 1.7   |      | 1.4   | 2.0   |
| 43      | 8.5   |      | 6.9   | 10.3  |

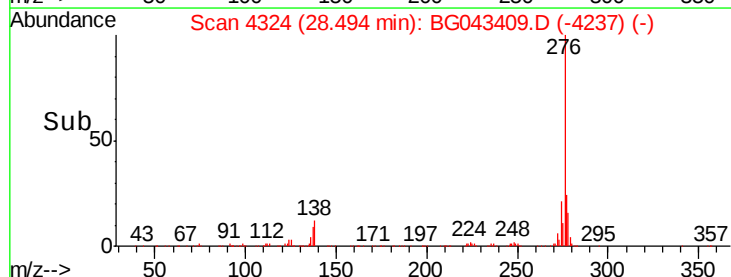
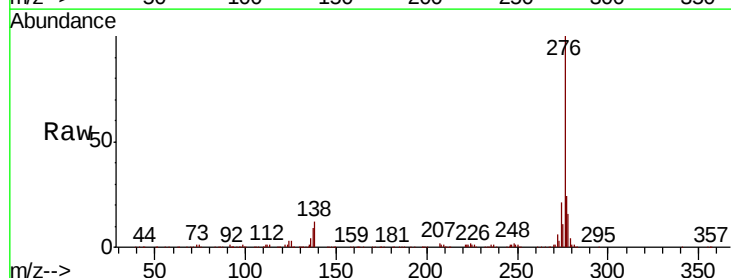
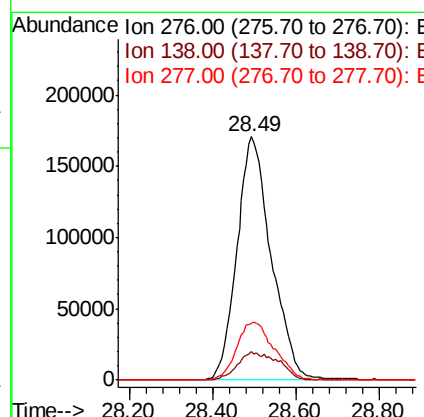
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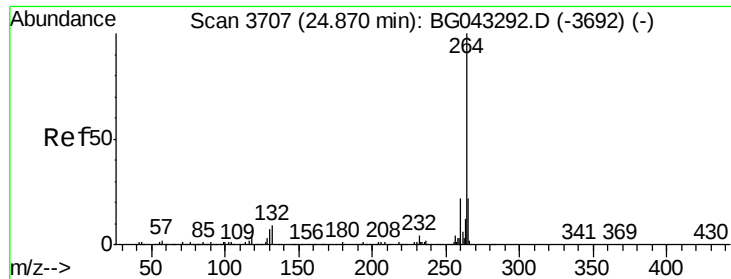
mohammad  
10/31/2019 2:52:00 PM



#86  
Indeno(1,2,3-cd)pyrene  
Concen: 40.957 ng  
RT: 28.49 min Scan# 4324  
Delta R.T. -0.02 min  
Lab File: BG043409.D  
Acq: 30 Oct 2019 20:33

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 276     | 100   |      |       |       |
| 138     | 13.7  |      | 7.2   | 10.8# |
| 277     | 26.2  |      | 20.9  | 31.3  |





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.85 min Scan# 3704

Delta R.T. -0.02 min

Lab File: BG043409.D

Acq: 30 Oct 2019 20:33

Instrument :

BNA\_G

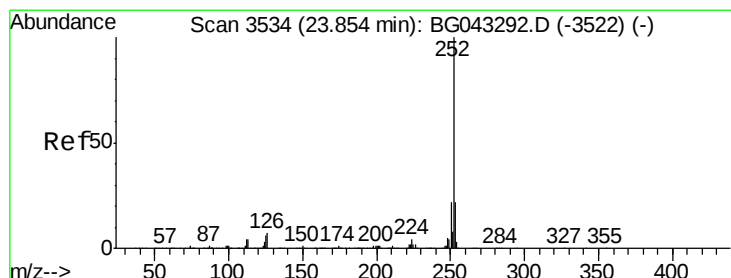
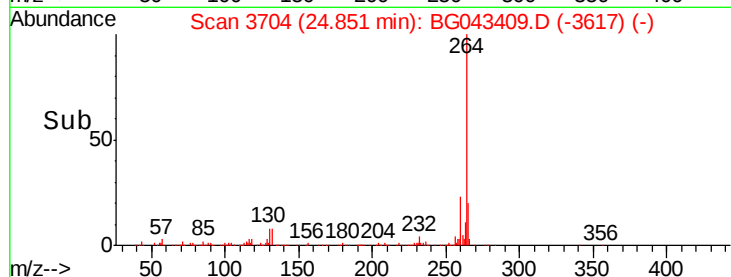
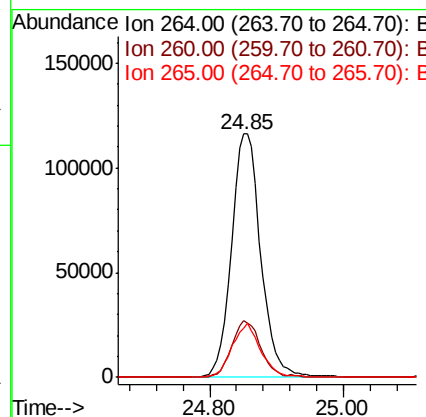
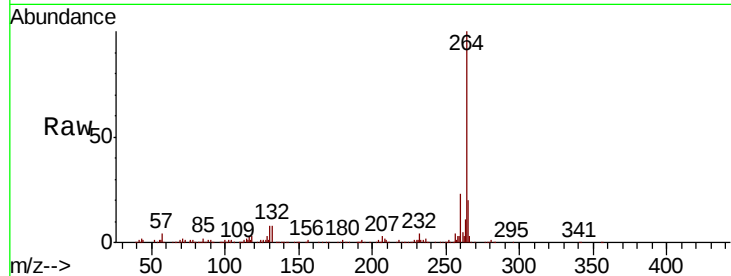
ClientSampleId :

184-40-(0-2)MS

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 264  | Resp: | 356298 |
| Ion Ratio |      | Lower | Upper  |
| 264       | 100  |       |        |
| 260       | 23.1 | 17.9  | 26.9   |
| 265       | 20.1 | 17.4  | 26.2   |

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#88

Benzo(b)fluoranthene

Concen: 40.321 ng

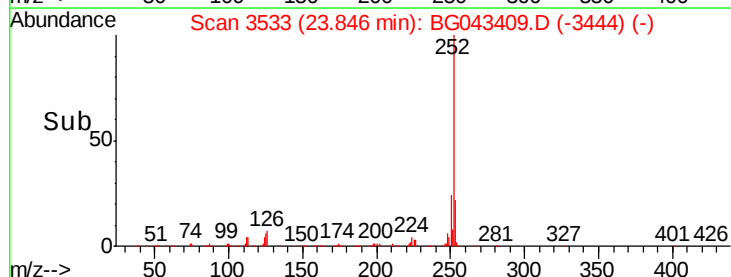
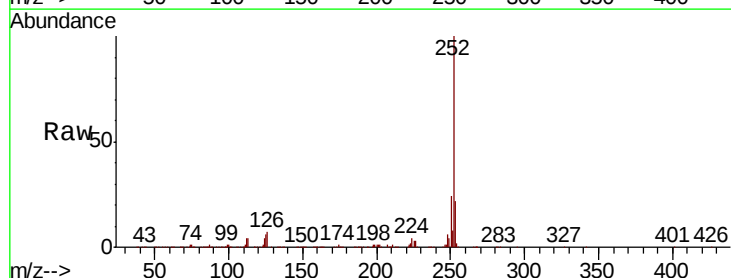
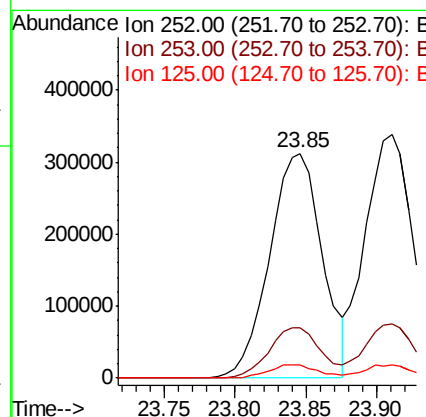
RT: 23.85 min Scan# 3533

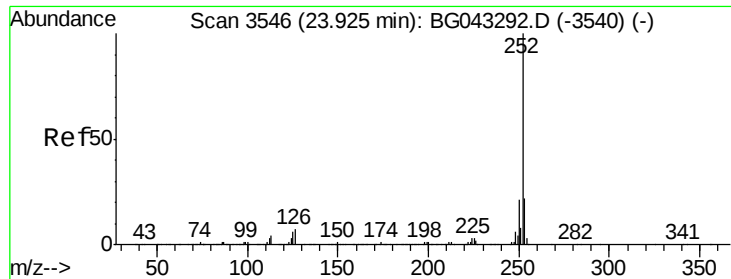
Delta R.T. -0.01 min

Lab File: BG043409.D

Acq: 30 Oct 2019 20:33

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 252  | Resp: | 813655 |
| Ion Ratio |      | Lower | Upper  |
| 252       | 100  |       |        |
| 253       | 22.2 | 17.4  | 26.2   |
| 125       | 6.0  | 5.0   | 7.6    |





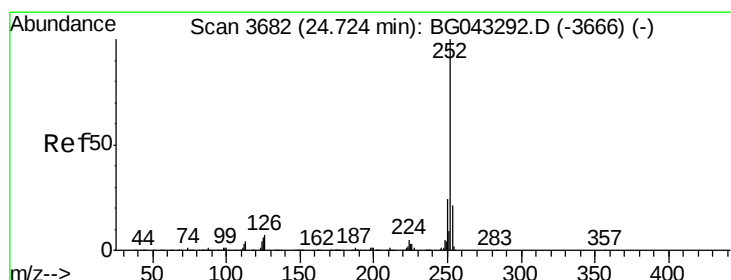
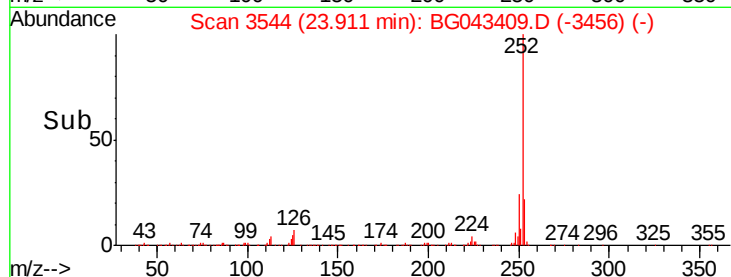
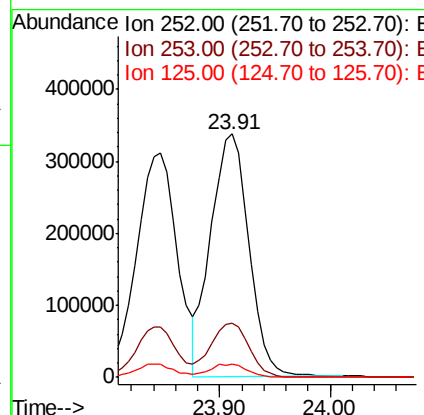
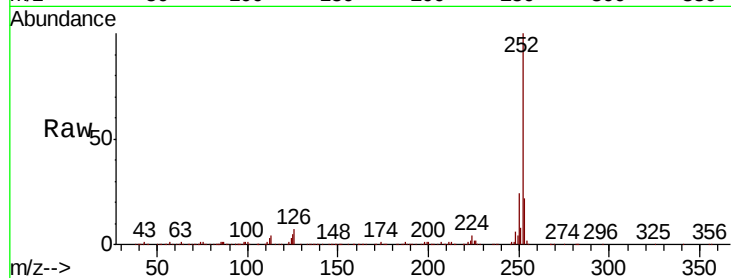
#89  
Benzo(k)fluoranthene  
Concen: 39.626 ng  
RT: 23.91 min Scan# 3544  
Delta R.T. -0.01 min  
Lab File: BG043409.D  
Acq: 30 Oct 2019 20:33

Instrument :  
BNA\_G  
ClientSampleId :  
184-40-(0-2)MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.3  | 17.6  | 26.4  |
| 125     | 5.3   | 4.5   | 6.7   |

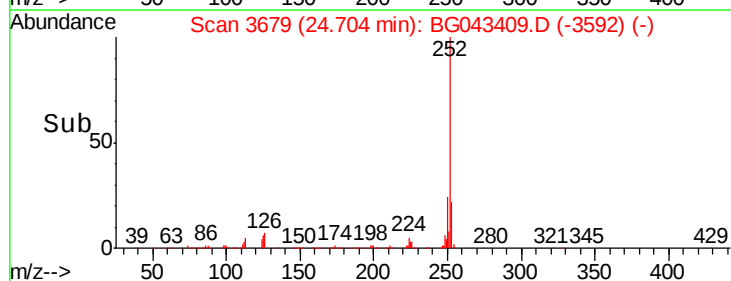
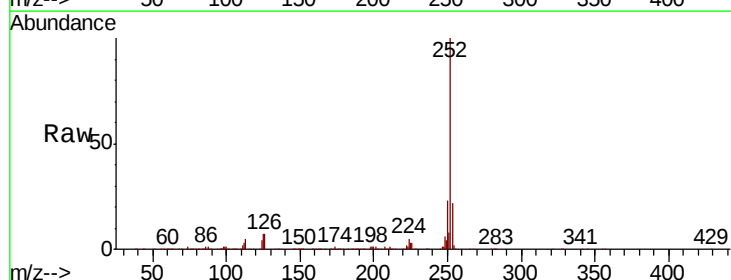
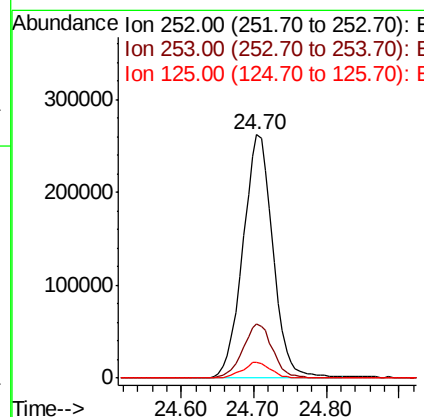
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#90  
Benzo(a)pyrene  
Concen: 39.024 ng  
RT: 24.70 min Scan# 3679  
Delta R.T. -0.02 min  
Lab File: BG043409.D  
Acq: 30 Oct 2019 20:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.4  | 17.2  | 25.8  |
| 125     | 6.5   | 5.0   | 7.6   |





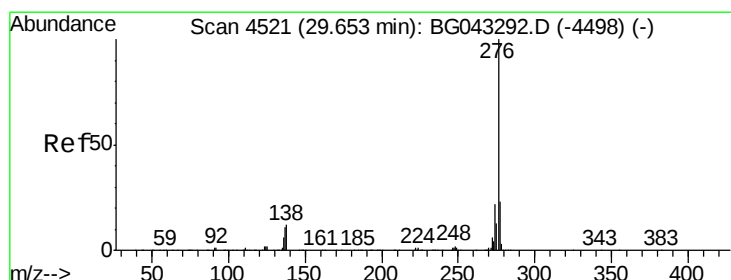
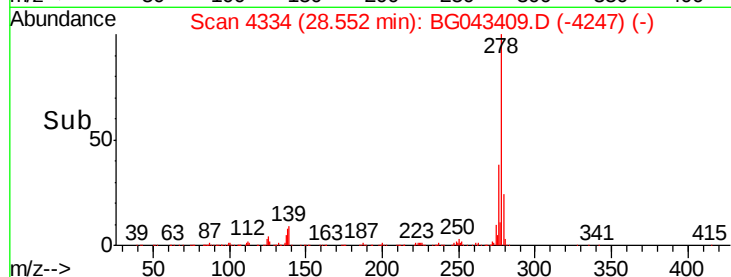
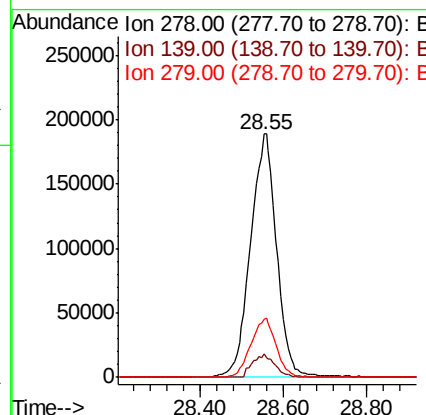
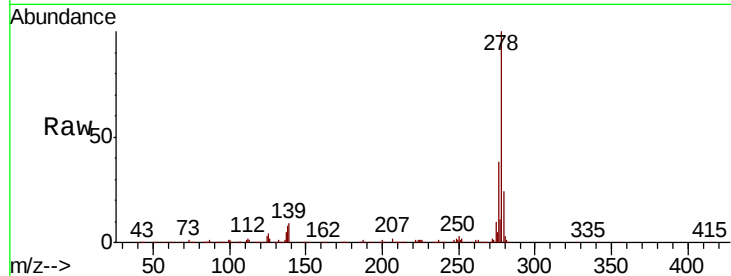
#91  
Dibenzo(a,h)anthracene  
Concen: 41.977 ng  
RT: 28.55 min Scan# 4334  
Delta R.T. -0.02 min  
Lab File: BG043409.D  
Acq: 30 Oct 2019 20:33

Instrument :  
BNA\_G  
ClientSampleId :  
184-40-(0-2)MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 9.5   | 6.8   | 10.2  |
| 279     | 23.8  | 19.0  | 28.6  |

Manual Integrations  
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#92  
Benzo(g,h,i)perylene  
Concen: 42.678 ng  
RT: 29.64 min Scan# 4519  
Delta R.T. -0.01 min  
Lab File: BG043409.D  
Acq: 30 Oct 2019 20:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 24.4  | 18.3  | 27.5  |
| 138     | 10.6  | 9.3   | 13.9  |

