

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG040720\  
 Data File : BG044968.D  
 Acq On : 7 Apr 2020 23:40  
 Operator : CG/JU  
 Sample : L2123-04MS  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TR-05-040320MS

Manual Integrations  
 APPROVED

mohammad  
 4/8/2020 8:14:09 AM

Quant Time: Apr 08 04:16:30 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG031020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 23 07:18:46 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.04  | 152  | 85390    | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8        | 10.85 | 136  | 328657   | 20.00 | ng    | -0.01    |
| 39) Acenaphthene-d10      | 14.67 | 164  | 221908   | 20.00 | ng    | -0.01    |
| 64) Phenanthrene-d10      | 17.42 | 188  | 516537   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.69 | 240  | 522810   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 24.89 | 264  | 573885   | 20.00 | ng    | -0.01    |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.62  | 112 | 814079  | 148.41 | ng | 0.00 |
| 7) Phenol-d6             | 7.21  | 99  | 1053187 | 132.15 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 9.20  | 82  | 780080  | 104.15 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.17 | 330 | 538106  | 185.20 | ng | 0.00 |
| 45) 2-Fluorobiphenyl     | 13.30 | 172 | 1670517 | 107.80 | ng | 0.00 |
| 79) Terphenyl-d14        | 20.03 | 244 | 2683233 | 96.00  | ng | 0.00 |

## Target Compounds

|                                |       |     |         |        |    | Qvalue |
|--------------------------------|-------|-----|---------|--------|----|--------|
| 2) 1,4-Dioxane                 | 3.54  | 88  | 115031  | 43.548 | ng | # 46   |
| 3) Pyridine                    | 3.93  | 79  | 249598  | 31.919 | ng | # 79   |
| 4) n-Nitrosodimethylamine      | 3.83  | 42  | 124593  | 41.993 | ng | # 67   |
| 6) Aniline                     | 7.37  | 93  | 258938  | 26.110 | ng | 92     |
| 8) 2-Chlorophenol              | 7.61  | 128 | 328788  | 60.044 | ng | 91     |
| 9) Benzaldehyde                | 7.18  | 77  | 116284  | 20.542 | ng | 96     |
| 10) Phenol                     | 7.24  | 94  | 382331  | 48.456 | ng | 99     |
| 11) bis(2-Chloroethyl)ether    | 7.46  | 93  | 325543  | 51.697 | ng | 91     |
| 12) 1,3-Dichlorobenzene        | 7.94  | 146 | 356165  | 52.801 | ng | 99     |
| 13) 1,4-Dichlorobenzene        | 8.08  | 146 | 358645  | 53.781 | ng | 100    |
| 14) 1,2-Dichlorobenzene        | 8.40  | 146 | 335140  | 52.990 | ng | 99     |
| 15) Benzyl Alcohol             | 8.28  | 79  | 336365  | 52.602 | ng | 95     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.58  | 45  | 310175  | 27.912 | ng | 80     |
| 17) 2-Methylphenol             | 8.49  | 107 | 290030  | 54.264 | ng | 97     |
| 18) Hexachloroethane           | 9.13  | 117 | 131915  | 50.245 | ng | 93     |
| 19) n-Nitroso-di-n-propylamine | 8.85  | 70  | 274545  | 48.786 | ng | # 87   |
| 20) 3+4-Methylphenols          | 8.81  | 107 | 395744  | 53.713 | ng | 98     |
| 22) Acetophenone               | 8.86  | 105 | 505068  | 54.245 | ng | 93     |
| 24) Nitrobenzene               | 9.25  | 77  | 418661  | 53.872 | ng | 97     |
| 25) Isophorone                 | 9.77  | 82  | 754796  | 51.636 | ng | 98     |
| 26) 2-Nitrophenol              | 9.96  | 139 | 169889  | 61.249 | ng | 94     |
| 27) 2,4-Dimethylphenol         | 10.02 | 122 | 301117  | 63.256 | ng | 96     |
| 28) bis(2-Chloroethoxy)methane | 10.25 | 93  | 434845  | 49.847 | ng | 100    |
| 29) 2,4-Dichlorophenol         | 10.50 | 162 | 334919  | 60.236 | ng | 97     |
| 30) 1,2,4-Trichlorobenzene     | 10.71 | 180 | 376521  | 56.635 | ng | 96     |
| 31) Naphthalene                | 10.90 | 128 | 1004334 | 55.165 | ng | 98     |
| 32) Benzoic acid               | 10.17 | 122 | 180567  | 48.552 | ng | 96     |
| 33) 4-Chloroaniline            | 11.00 | 127 | 49421   | 6.025  | ng | 94     |
| 34) Hexachlorobutadiene        | 11.20 | 225 | 248111  | 56.750 | ng | 96     |
| 35) Caprolactam                | 11.77 | 113 | 89288m  | 42.414 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 12.12 | 107 | 374996  | 56.550 | ng | 97     |
| 37) 2-Methylnaphthalene        | 12.51 | 142 | 751857  | 55.207 | ng | 98     |
| 38) 1-Methylnaphthalene        | 12.72 | 142 | 731267  | 57.115 | ng | 99     |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.88 | 216 | 406146  | 55.575 | ng | 99     |

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 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TR-05-040320MS

Manual Integrations  
 APPROVED

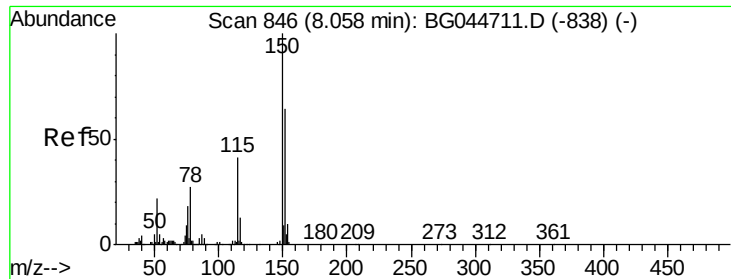
mohammad  
 4/8/2020 8:14:09 AM

Quant Time: Apr 08 04:16:30 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG031020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 23 07:18:46 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 12.86 | 237  | 529197   | 132.501 | nq    | 99       |
| 43) 2,4,6-Trichlorophenol      | 13.10 | 196  | 290914   | 59.982  | nq    | 98       |
| 44) 2,4,5-Trichlorophenol      | 13.18 | 196  | 308407   | 61.316  | nq    | 92       |
| 46) 1,1'-Biphenyl              | 13.51 | 154  | 946477   | 53.373  | nq    | 98       |
| 47) 2-Chloronaphthalene        | 13.55 | 162  | 739986   | 54.625  | nq    | 98       |
| 48) 2-Nitroaniline             | 13.74 | 65   | 225912   | 47.635  | nq    | 87       |
| 49) Acenaphthylene             | 14.40 | 152  | 1193534  | 56.238  | nq    | 98       |
| 50) Dimethylphthalate          | 14.13 | 163  | 1046298  | 59.200  | nq    | 100      |
| 51) 2,6-Dinitrotoluene         | 14.24 | 165  | 222643   | 62.496  | nq    | 96       |
| 52) Acenaphthene               | 14.74 | 154  | 875191   | 62.968  | nq    | 97       |
| 53) 3-Nitroaniline             | 14.57 | 138  | 106046   | 25.891  | nq    | 89       |
| 54) 2,4-Dinitrophenol          | 14.78 | 184  | 230121   | 119.077 | nq    | 97       |
| 55) Dibenzofuran               | 15.07 | 168  | 1156693  | 57.389  | nq    | 99       |
| 56) 4-Nitrophenol              | 14.88 | 139  | 341044   | 109.104 | nq    | 90       |
| 57) 2,4-Dinitrotoluene         | 15.03 | 165  | 309369   | 63.319  | nq    | 96       |
| 58) Fluorene                   | 15.72 | 166  | 957348   | 57.741  | nq    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol  | 15.30 | 232  | 294985   | 63.701  | nq    | 95       |
| 60) Diethylphthalate           | 15.50 | 149  | 988937   | 53.648  | nq    | 99       |
| 61) 4-Chlorophenyl-phenylether | 15.71 | 204  | 528414   | 59.189  | nq    | 97       |
| 62) 4-Nitroaniline             | 15.74 | 138  | 220271   | 50.435  | nq    | 96       |
| 63) Azobenzene                 | 16.01 | 77   | 988276   | 51.627  | nq    | 97       |
| 65) 4,6-Dinitro-2-methylphenol | 15.80 | 198  | 177902   | 69.133  | nq    | 89       |
| 66) n-Nitrosodiphenylamine     | 15.93 | 169  | 855857   | 55.034  | nq    | 99       |
| 67) 4-Bromophenyl-phenylether  | 16.61 | 248  | 367018   | 56.836  | nq    | 97       |
| 68) Hexachlorobenzene          | 16.74 | 284  | 387885   | 55.368  | nq    | 98       |
| 69) Atrazine                   | 16.88 | 200  | 290654   | 51.013  | nq    | 99       |
| 70) Pentachlorophenol          | 17.08 | 266  | 504189   | 130.802 | nq    | 99       |
| 71) Phenanthrene               | 17.46 | 178  | 1537985  | 55.718  | nq    | 99       |
| 72) Anthracene                 | 17.56 | 178  | 1578751  | 58.004  | nq    | 97       |
| 73) Carbazole                  | 17.82 | 167  | 1490584  | 57.012  | nq    | 99       |
| 74) Di-n-butylphthalate        | 18.39 | 149  | 1712326  | 53.877  | nq    | 99       |
| 75) Fluoranthene               | 19.47 | 202  | 1935149  | 58.880  | nq    | 97       |
| 77) Benzidine                  | 19.64 | 184  | 454513   | 26.779  | nq    | 100      |
| 78) Pyrene                     | 19.83 | 202  | 1908841  | 49.765  | nq    | 96       |
| 80) Butylbenzylphthalate       | 20.72 | 149  | 836003   | 48.992  | nq    | 99       |
| 81) Benzo(a)anthracene         | 21.67 | 228  | 1906203  | 50.635  | nq    | 97       |
| 82) 3,3'-Dichlorobenzidine     | 21.58 | 252  | 445153   | 30.565  | nq    | 99       |
| 83) Chrysene                   | 21.74 | 228  | 1829382  | 50.872  | nq    | 97       |
| 84) Bis(2-ethylhexyl)phthalate | 21.59 | 149  | 1159793  | 49.247  | nq    | 97       |
| 85) Di-n-octyl phthalate       | 22.80 | 149  | 1992621  | 50.562  | nq    | # 93     |
| 86) Indeno(1,2,3-cd)pyrene     | 28.54 | 276  | 2534439  | 53.758  | nq    | # 94     |
| 88) Benzo(b)fluoranthene       | 23.88 | 252  | 2123664  | 56.053  | nq    | 98       |
| 89) Benzo(k)fluoranthene       | 23.95 | 252  | 2014082  | 56.175  | nq    | 98       |
| 90) Benzo(a)pyrene             | 24.75 | 252  | 1955962  | 55.174  | nq    | 97       |
| 91) Dibenzo(a,h)anthracene     | 28.61 | 278  | 2056071  | 58.788  | nq    | 96       |
| 92) Benzo(g,h,i)perylene       | 29.69 | 276  | 2092917  | 59.230  | nq    | 97       |

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





#1

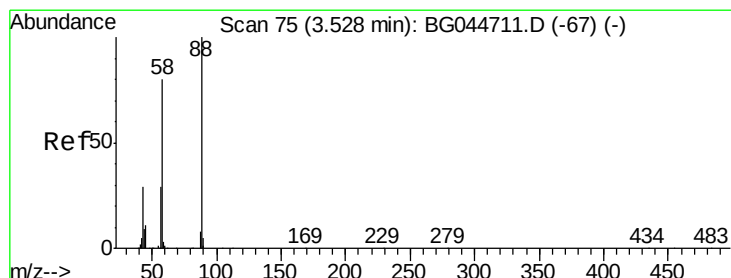
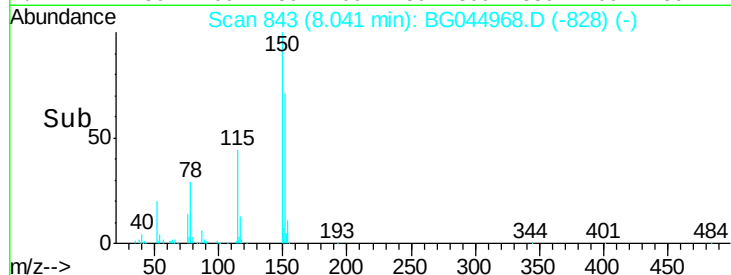
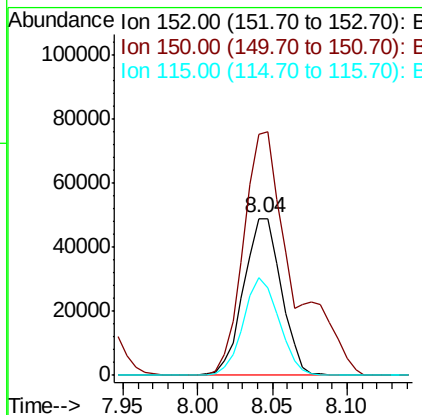
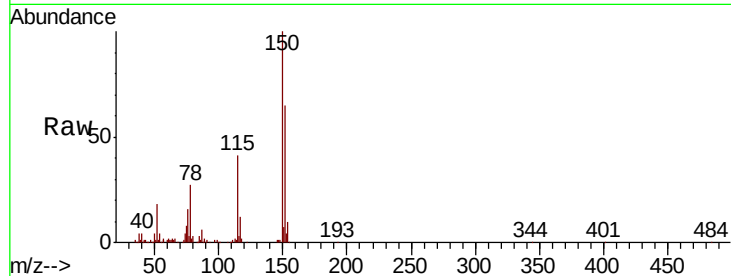
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.04 min Scan# 843  
Delta R.T. -0.01 min  
Lab File: BG044968.D  
Acq: 7 Apr 2020 23:40

Instrument :  
BNA\_G  
ClientSampleId :  
TR-05-040320MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 153.6 | 128.8 | 193.2 |
| 115     | 62.2  | 52.6  | 79.0  |

Manual Integrations  
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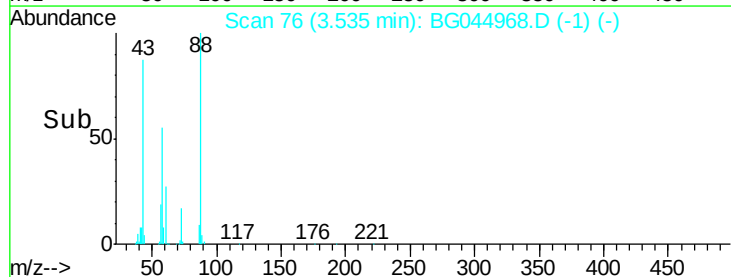
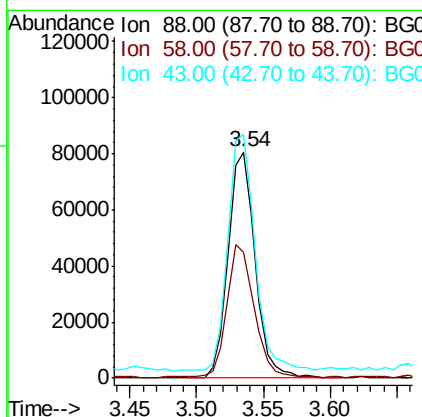
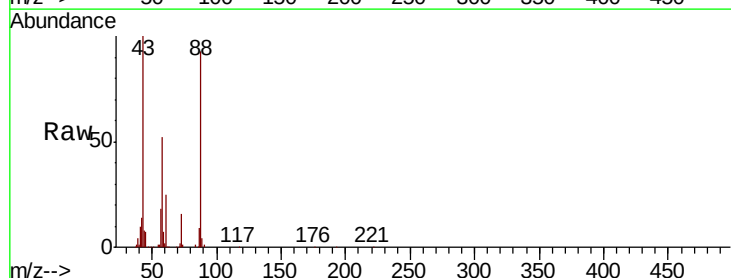
mohammad  
4/8/2020 8:14:09 AM

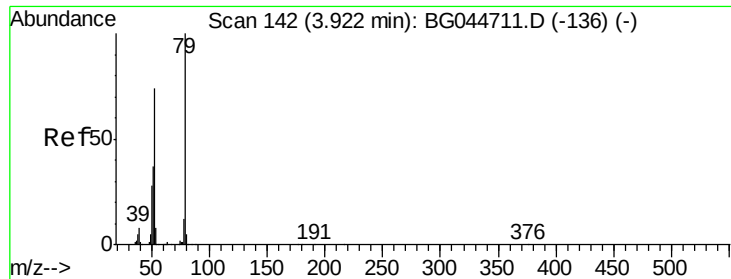


#2

1,4-Dioxane  
Concen: 43.548 ng  
RT: 3.54 min Scan# 76  
Delta R.T. 0.01 min  
Lab File: BG044968.D  
Acq: 7 Apr 2020 23:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 58.5  | 63.0  | 94.4# |
| 43      | 103.4 | 24.8  | 37.2# |





#3

Pvridine

Concen: 31.919 ng

RT: 3.93 min Scan# 143

Delta R.T. 0.01 min

Lab File: BG044968.D

Acq: 7 Apr 2020 23:40

Instrument :

BNA\_G

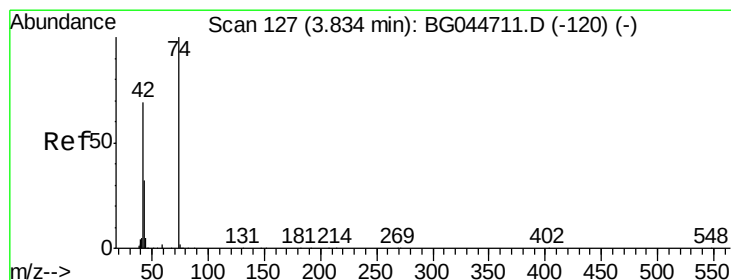
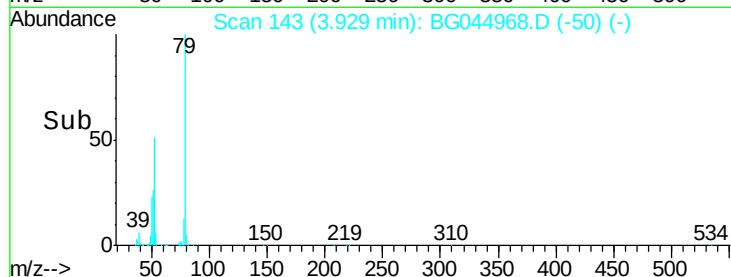
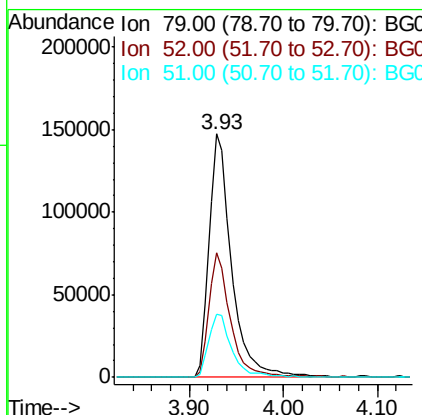
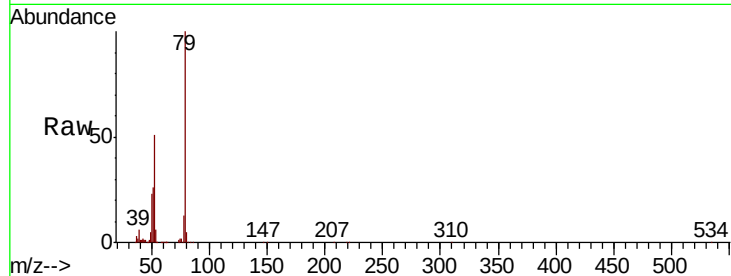
ClientSampleId :

TR-05-040320MS

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 79    | Resp: | 249598 |
| Ion      | Ratio | Lower | Upper  |
| 79       | 100   |       |        |
| 52       | 51.1  | 56.3  | 84.5#  |
| 51       | 26.2  | 28.1  | 42.1#  |

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#4

n-Nitrosodimethylamine

Concen: 41.993 ng

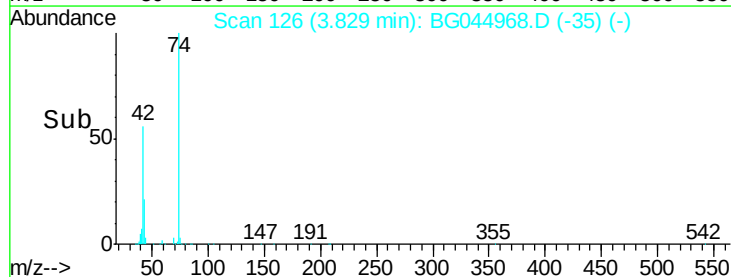
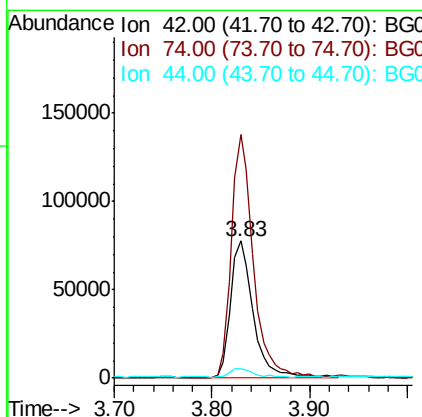
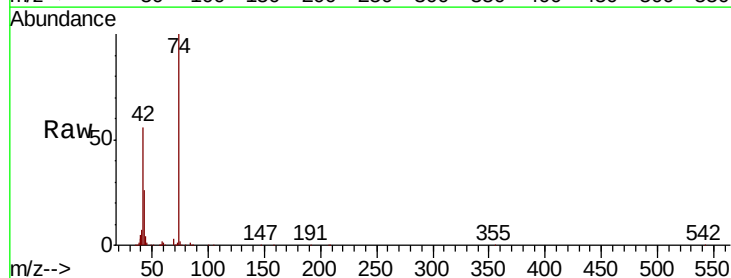
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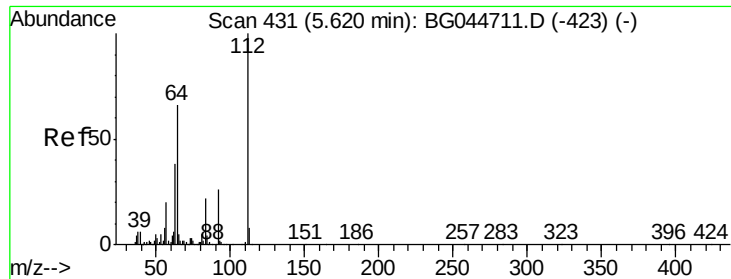
Delta R.T. 0.00 min

Lab File: BG044968.D

Acq: 7 Apr 2020 23:40

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 42    | Resp: | 124593 |
| Ion      | Ratio | Lower | Upper  |
| 42       | 100   |       |        |
| 74       | 177.9 | 109.1 | 163.7# |
| 44       | 6.9   | 5.4   | 8.2    |





#5

2-Fluorophenol

Concen: 148.410 ng

RT: 5.62 min Scan# 431

Delta R.T. 0.01 min

Lab File: BG044968.D

Acq: 7 Apr 2020 23:40

Instrument :

BNA\_G

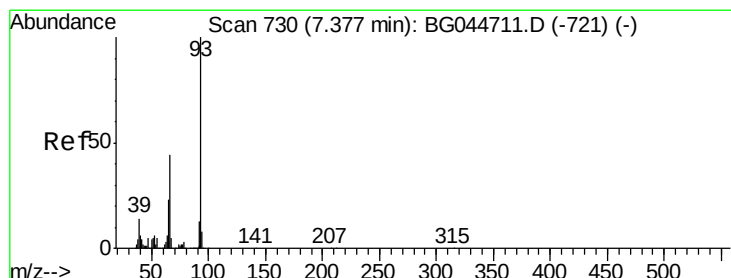
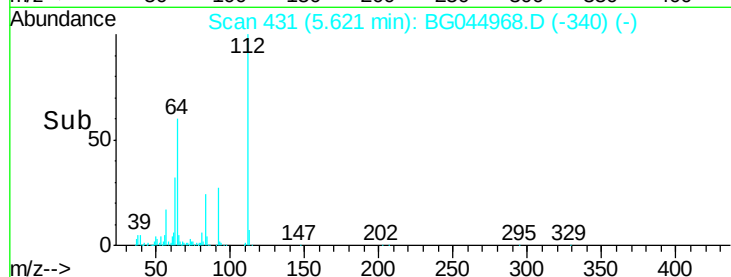
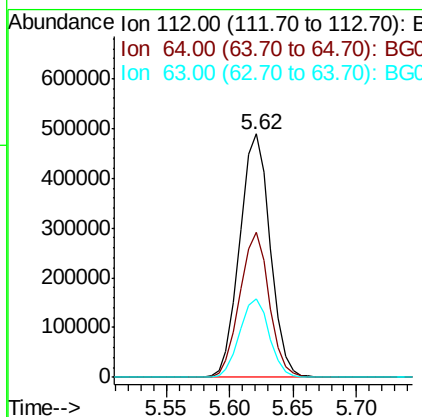
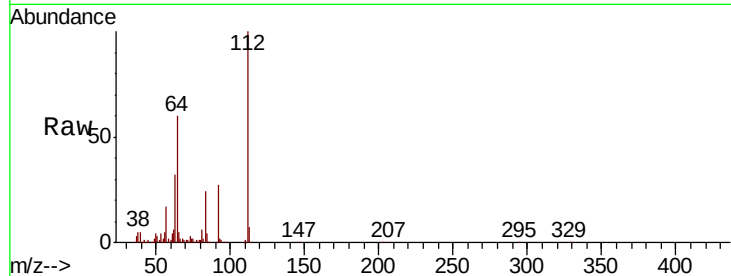
ClientSampleId :

TR-05-040320MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 112   | Resp: | 814079 |
| Ion Ratio | Lower | Upper |        |
| 112       | 100   |       |        |
| 64        | 59.6  | 53.4  | 80.2   |
| 63        | 32.0  | 29.4  | 44.2   |

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#6

Aniline

Concen: 26.110 ng

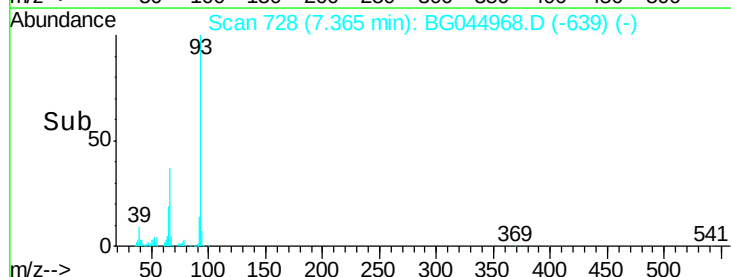
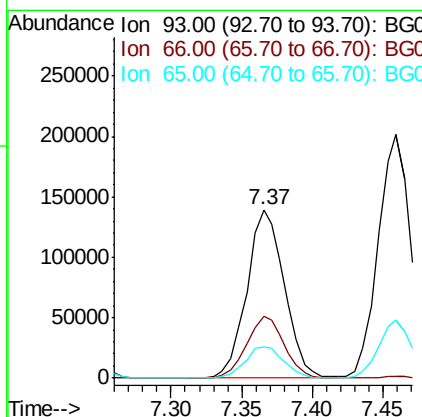
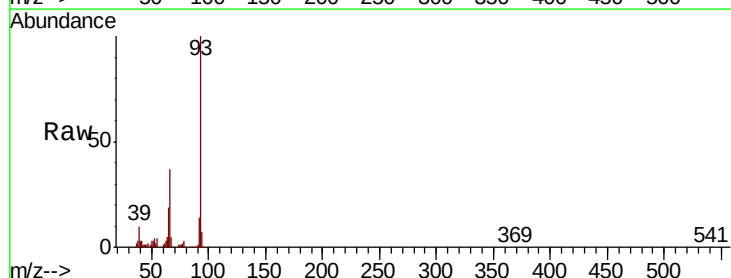
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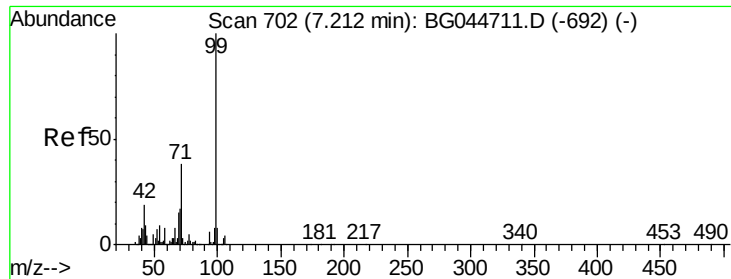
Delta R.T. -0.00 min

Lab File: BG044968.D

Acq: 7 Apr 2020 23:40

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 93    | Resp: | 258938 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 66        | 37.0  | 33.7  | 50.5   |
| 65        | 18.7  | 17.7  | 26.5   |





#7

Phenol-d6

Concen: 132.147 ng

RT: 7.21 min Scan# 701

Delta R.T. 0.00 min

Lab File: BG044968.D

Acq: 7 Apr 2020 23:40

Instrument :

BNA\_G

ClientSampleId :

TR-05-040320MS

Tot Ion: 99 Resp: 1053187

Ion Ratio Lower Upper

99 100

42 14.6 12.6 19.0

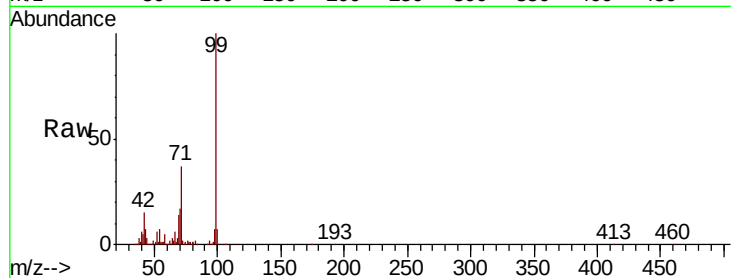
71 36.9 29.0 43.4

Manual Integrations

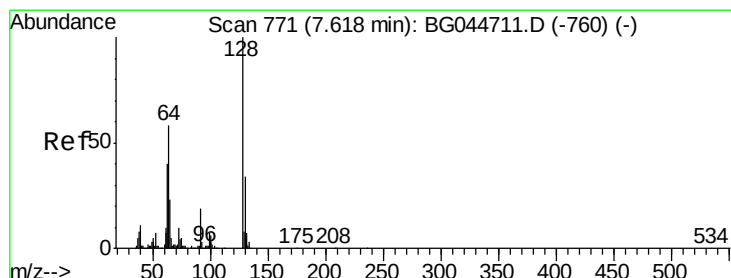
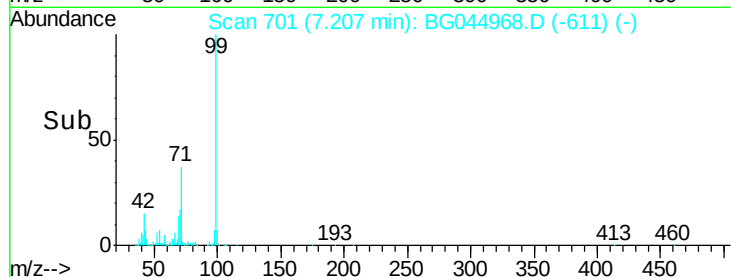
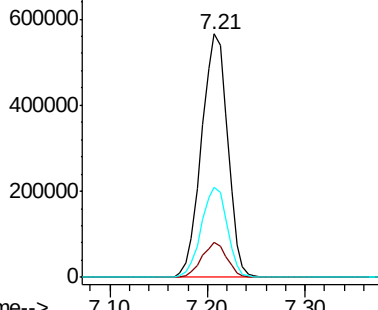
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Abundance Ion 99.00 (98.70 to 99.70): BGC  
Ion 42.00 (41.70 to 42.70): BGC  
Ion 71.00 (70.70 to 71.70): BGC



#8

2-Chlorophenol

Concen: 60.044 ng

RT: 7.61 min Scan# 770

Delta R.T. 0.00 min

Lab File: BG044968.D

Acq: 7 Apr 2020 23:40

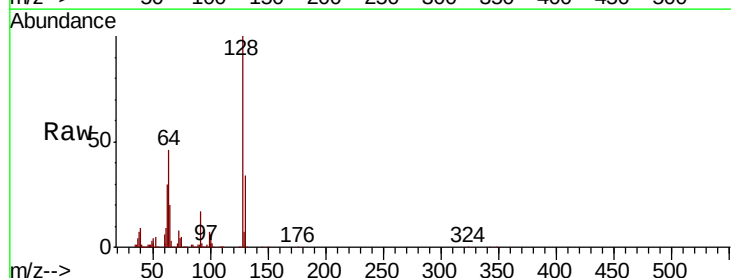
Tgt Ion: 128 Resp: 328788

Ion Ratio Lower Upper

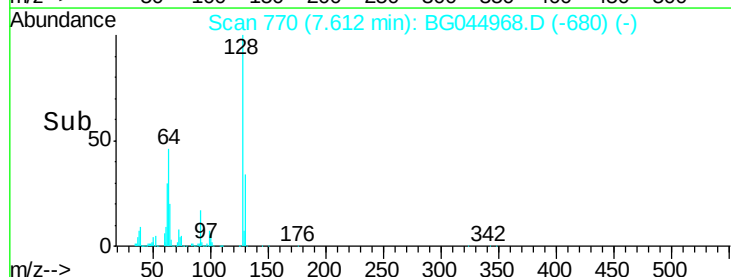
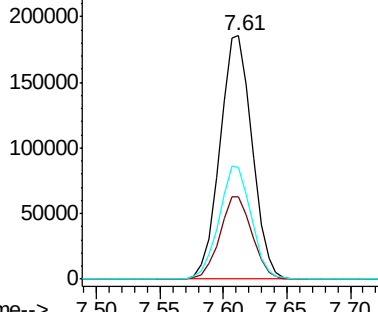
128 100

130 34.1 11.6 51.6

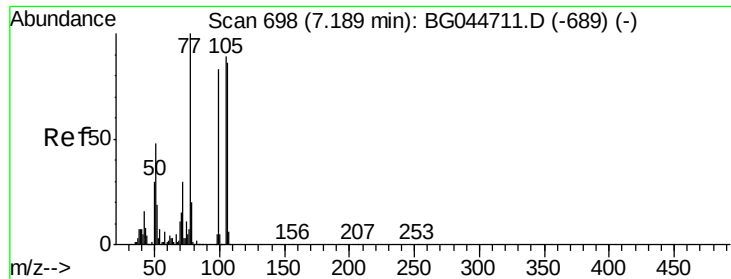
64 46.0 34.5 74.5



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







#9

Benzaldehyde

Concen: 20.542 ng

RT: 7.18 min Scan# 696

Delta R.T. 0.00 min

Lab File: BG044968.D

Acq: 7 Apr 2020 23:40

Instrument :

BNA\_G

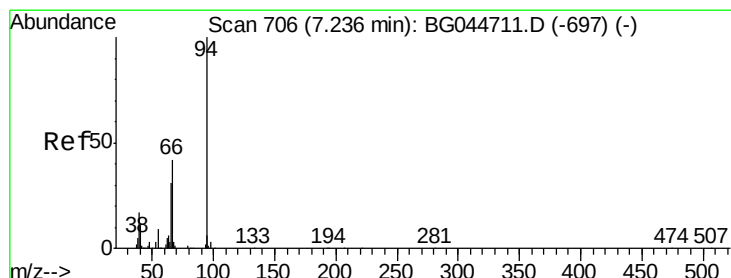
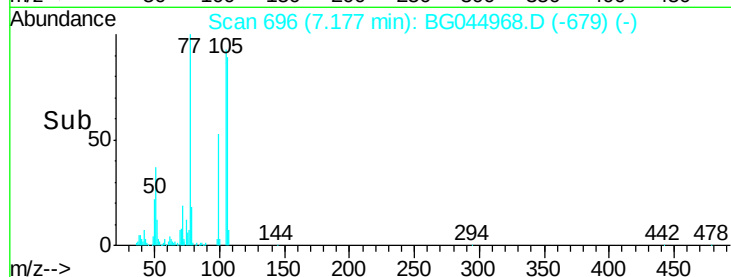
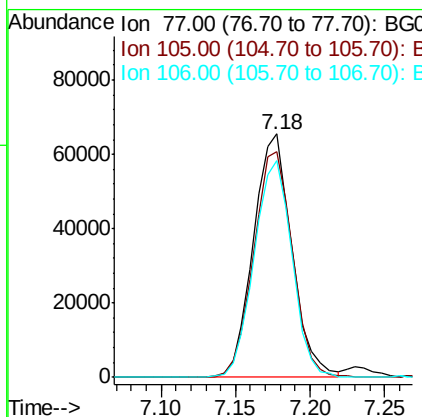
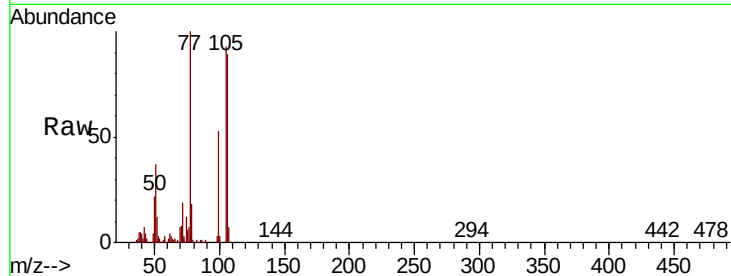
ClientSampleId :

TR-05-040320MS

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 77    | Resp: | 116284 |
| Ion      | Ratio | Lower | Upper  |
| 77       | 100   |       |        |
| 105      | 92.9  | 69.3  | 109.3  |
| 106      | 89.1  | 64.5  | 104.5  |

Manual Integrations  
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#10

Phenol

Concen: 48.456 ng

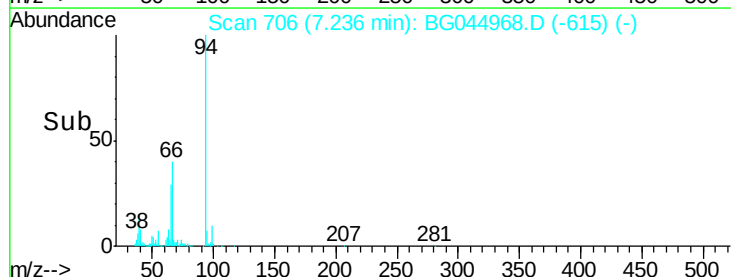
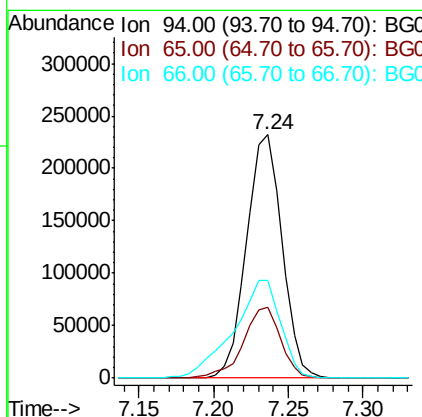
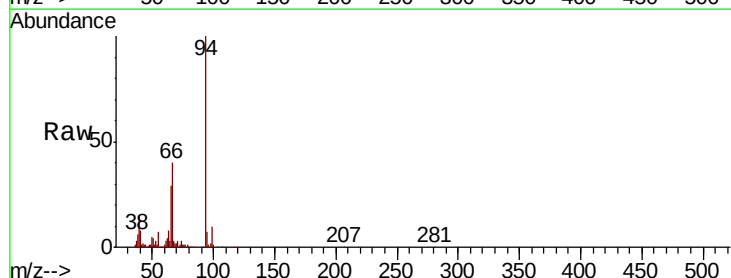
RT: 7.24 min Scan# 706

Delta R.T. 0.01 min

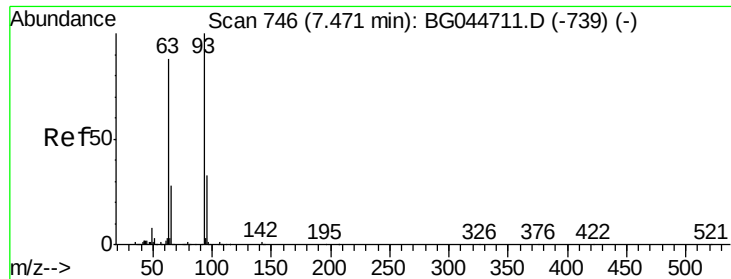
Lab File: BG044968.D

Acq: 7 Apr 2020 23:40

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 94    | Resp: | 382331 |
| Ion      | Ratio | Lower | Upper  |
| 94       | 100   |       |        |
| 65       | 29.1  | 11.0  | 51.0   |
| 66       | 40.1  | 20.1  | 60.1   |







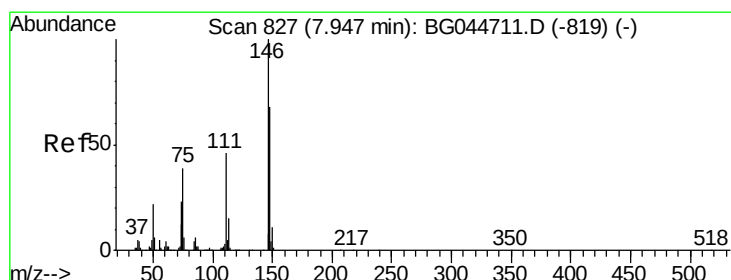
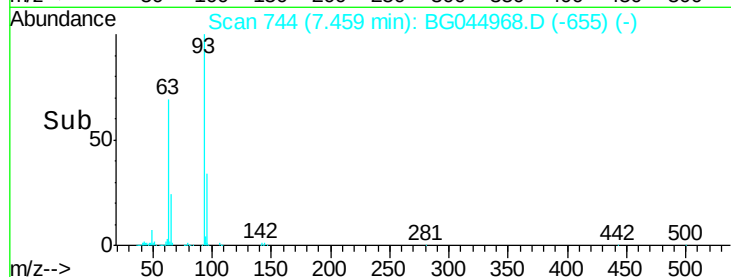
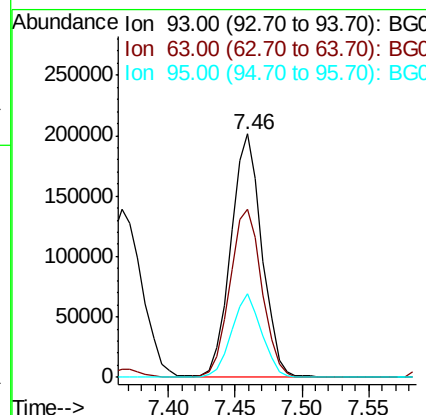
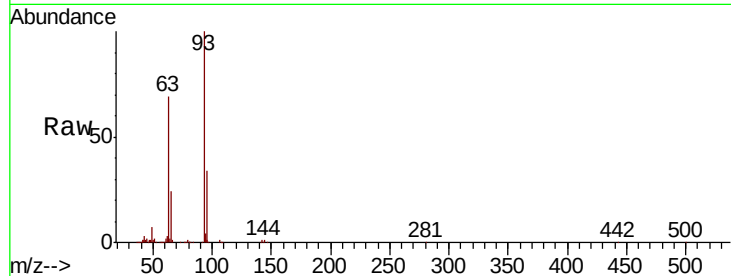
#11  
bis(2-Chloroethyl)ether  
Concen: 51.697 ng  
RT: 7.46 min Scan# 744  
Delta R.T. -0.00 min  
Lab File: BG044968.D  
Acq: 7 Apr 2020 23:40

Instrument :  
BNA\_G  
ClientSampleId :  
TR-05-040320MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 93    | Resp: | 325543 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 63        | 68.9  | 59.7  | 99.7   |
| 95        | 34.2  | 13.1  | 53.1   |

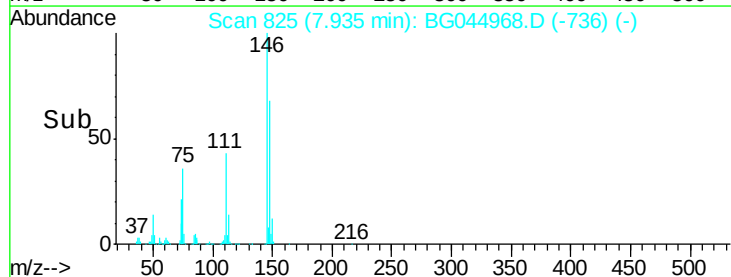
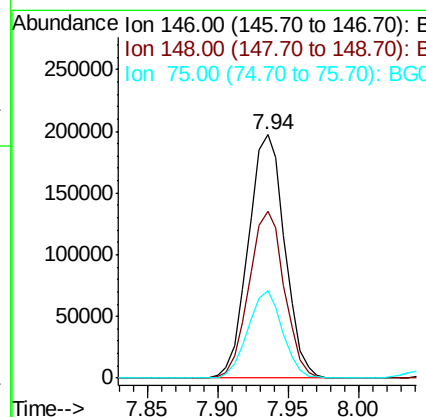
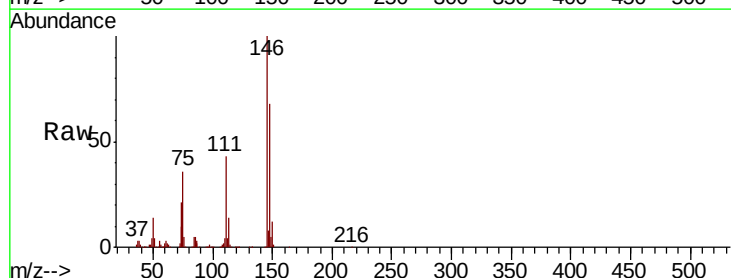
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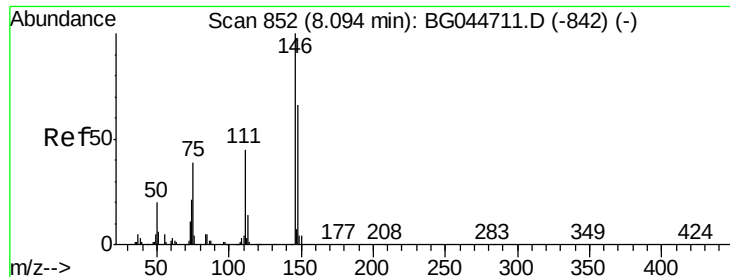
mohammad  
4/8/2020 8:14:09 AM



#12  
1,3-Dichlorobenzene  
Concen: 52.801 ng  
RT: 7.94 min Scan# 825  
Delta R.T. -0.00 min  
Lab File: BG044968.D  
Acq: 7 Apr 2020 23:40

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 356165 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 68.5  | 54.2  | 81.4   |
| 75        | 35.8  | 28.6  | 42.8   |





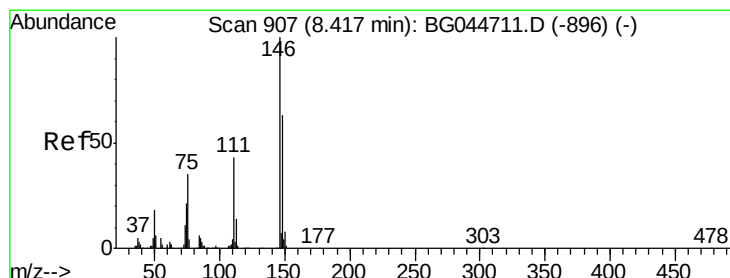
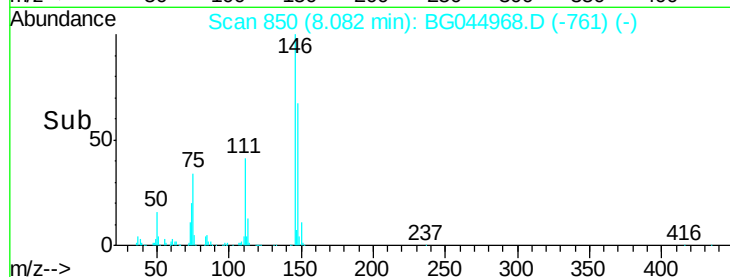
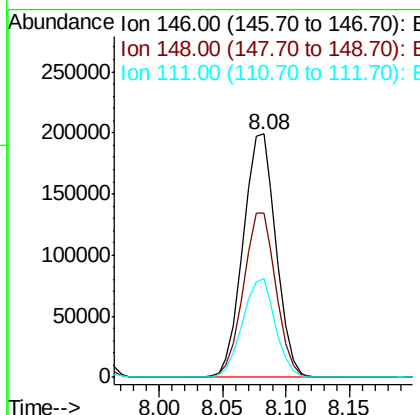
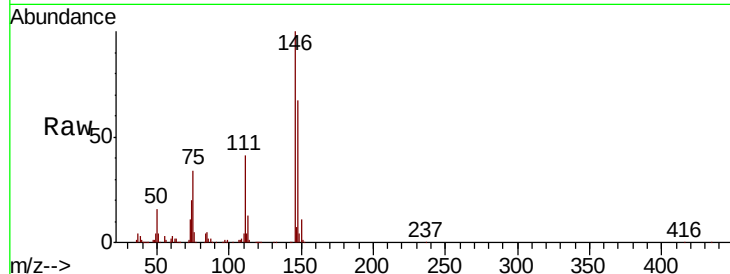
#13  
 1,4-Dichlorobenzene  
 Concen: 53.781 ng  
 RT: 8.08 min Scan# 850  
 Delta R.T. -0.00 min  
 Lab File: BG044968.D  
 Acq: 7 Apr 2020 23:40

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TR-05-040320MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 67.3  | 53.8  | 80.6  |
| 111     | 40.7  | 32.0  | 48.0  |

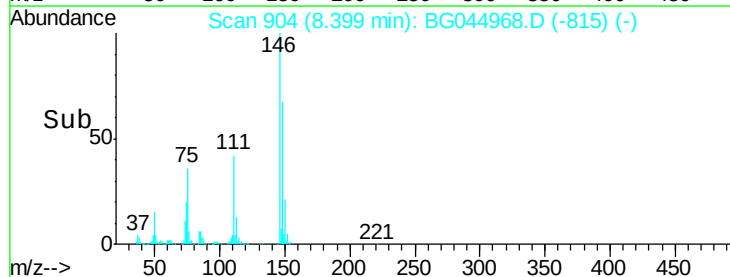
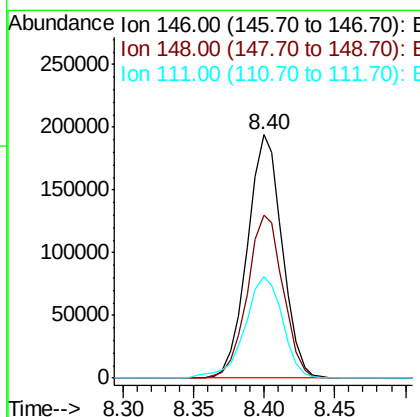
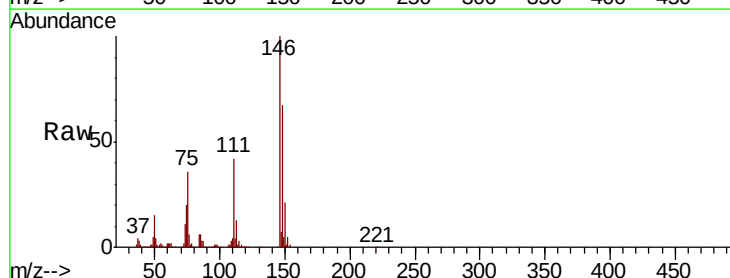
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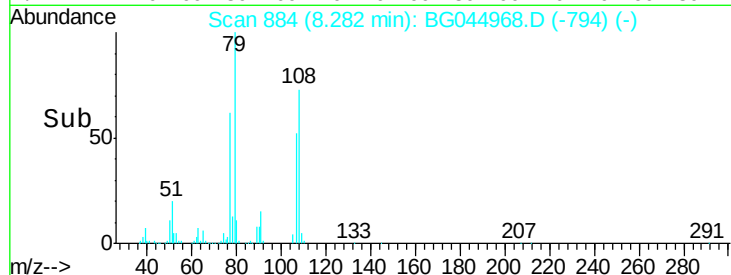
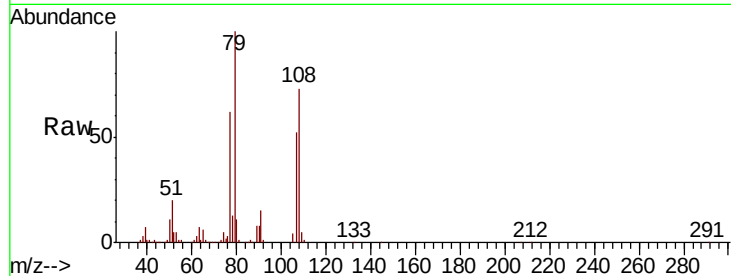
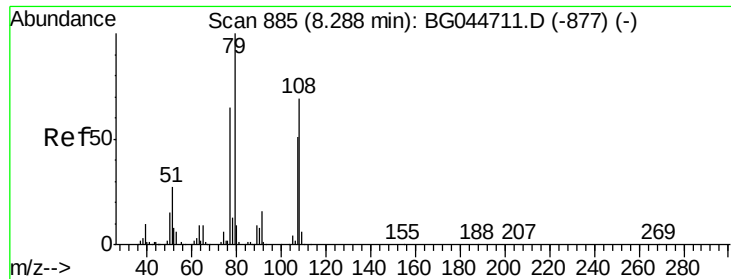
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#14  
 1,2-Dichlorobenzene  
 Concen: 52.990 ng  
 RT: 8.40 min Scan# 904  
 Delta R.T. -0.00 min  
 Lab File: BG044968.D  
 Acq: 7 Apr 2020 23:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 66.7  | 52.1  | 78.1  |
| 111     | 41.9  | 33.4  | 50.2  |





#15

Benzyl Alcohol

Concen: 52.602 ng

RT: 8.28 min Scan# 884

Delta R.T. 0.00 min

Lab File: BG044968.D

Acq: 7 Apr 2020 23:40

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 79    | Resp: | 336365 |
| Ion Ratio | Lower | Upper |        |
| 79        | 100   |       |        |
| 108       | 72.8  | 53.8  | 80.8   |
| 77        | 61.6  | 47.8  | 71.8   |

Instrument :

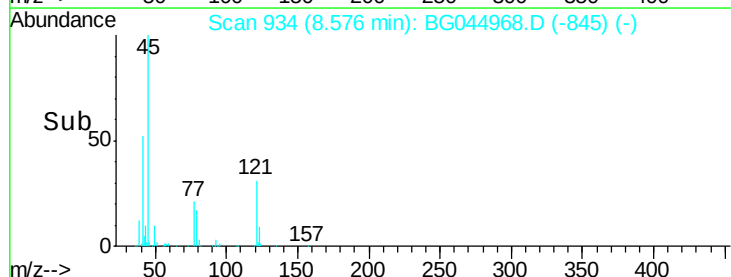
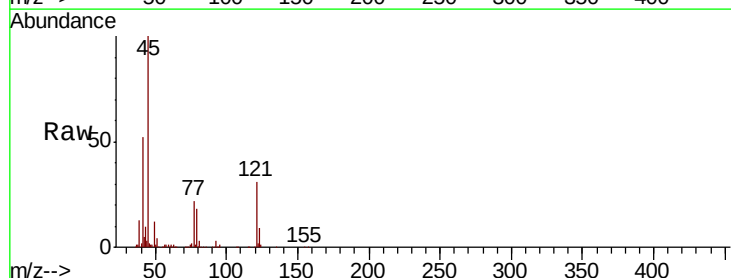
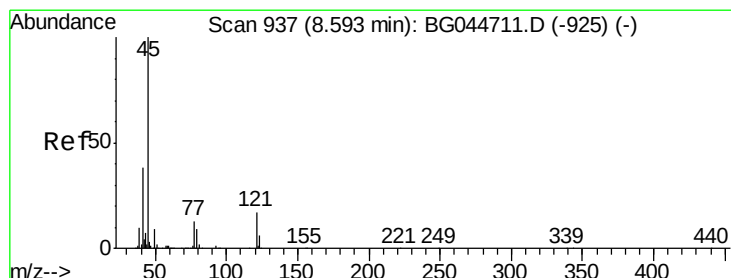
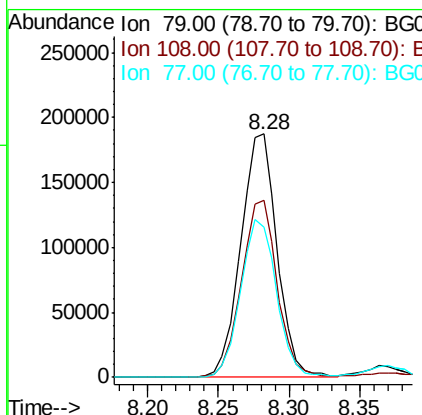
BNA\_G

ClientSampleId :

TR-05-040320MS

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 27.912 ng

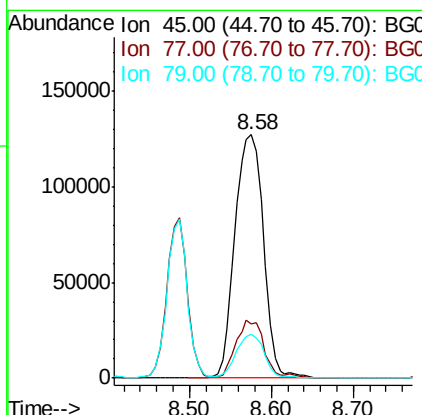
RT: 8.58 min Scan# 934

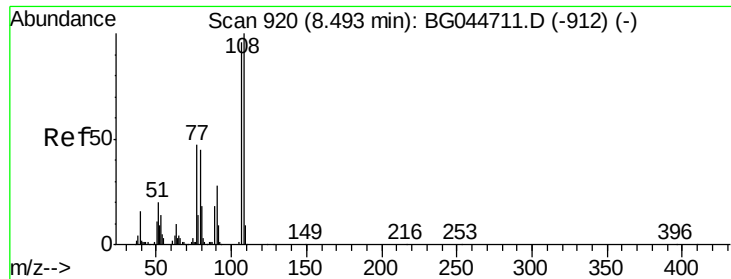
Delta R.T. -0.00 min

Lab File: BG044968.D

Acq: 7 Apr 2020 23:40

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 45    | Resp: | 310175 |
| Ion Ratio | Lower | Upper |        |
| 45        | 100   |       |        |
| 77        | 22.2  | 0.0   | 33.9   |
| 79        | 18.2  | 0.0   | 30.8   |





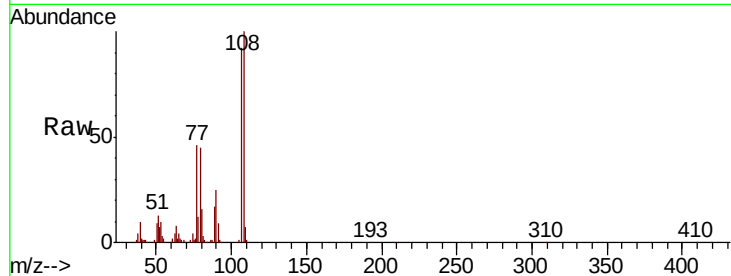
#17  
2-Methylphenol  
Concen: 54.264 ng  
RT: 8.49 min Scan# 919  
Delta R.T. 0.00 min  
Lab File: BG044968.D  
Acq: 7 Apr 2020 23:40

Instrument :  
BNA\_G  
ClientSampleId :  
TR-05-040320MS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 107     | 100   |      |       |       |
| 108     | 109.1 | 91.8 | 137.8 |       |
| 77      | 50.1  | 40.0 | 60.0  |       |
| 79      | 49.5  | 40.2 | 60.2  |       |

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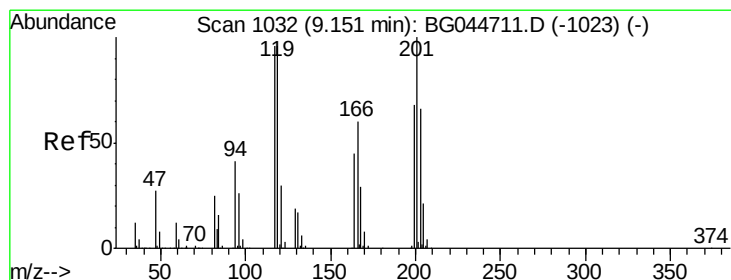
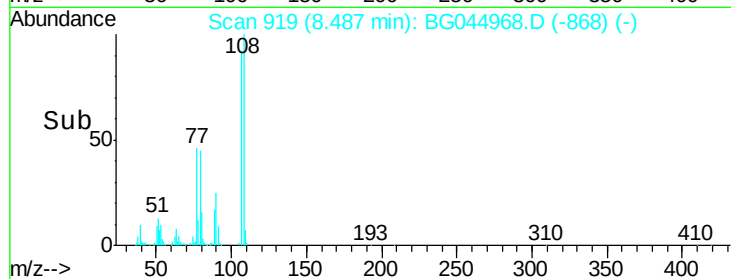
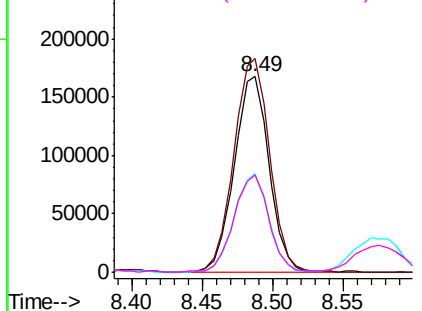
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

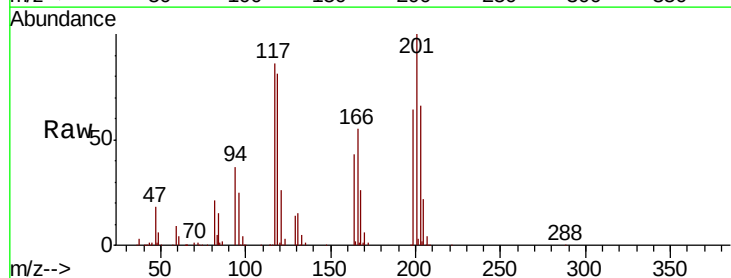
Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



#18  
Hexachloroethane  
Concen: 50.245 ng  
RT: 9.13 min Scan# 1029  
Delta R.T. -0.01 min  
Lab File: BG044968.D  
Acq: 7 Apr 2020 23:40

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 117     | 100   |      |       |       |
| 119     | 94.0  | 75.2 | 112.8 |       |
| 201     | 115.6 | 81.1 | 121.7 |       |

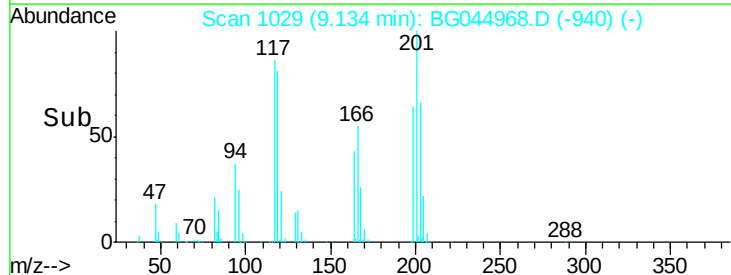
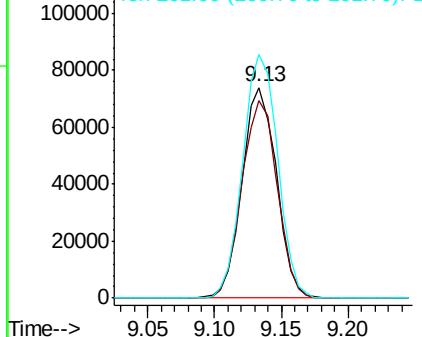


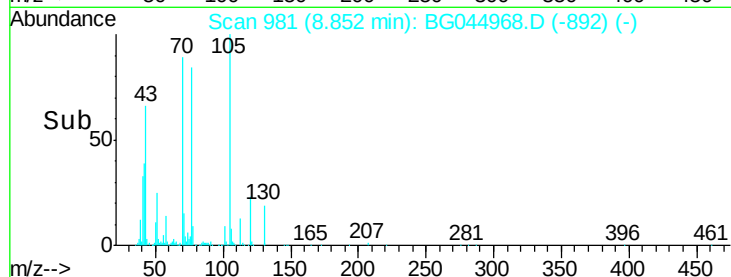
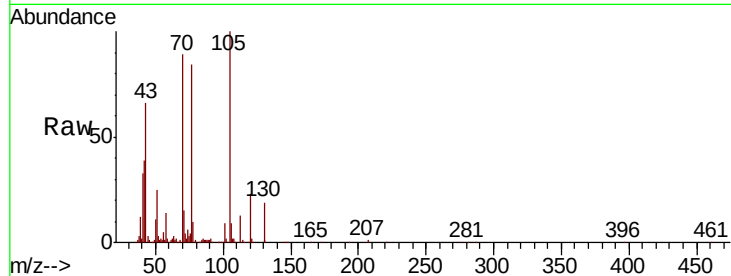
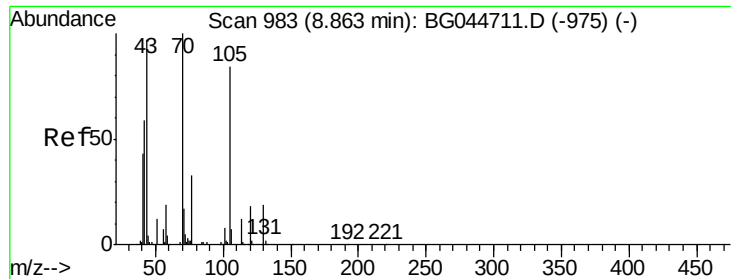
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





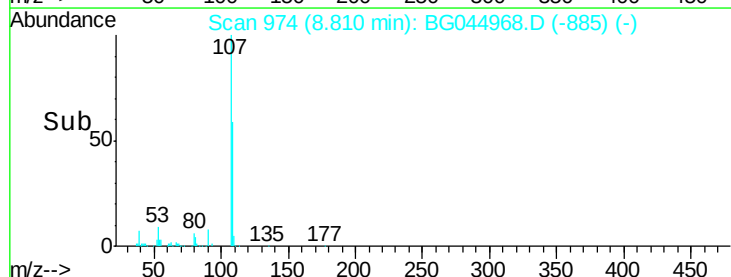
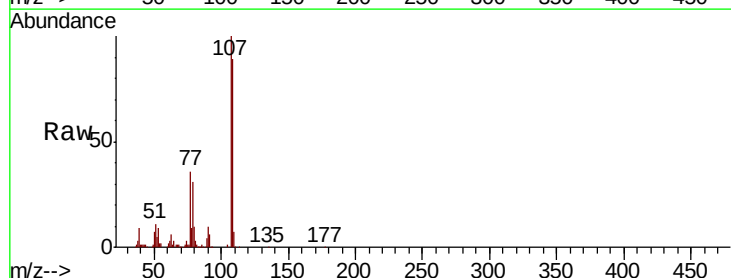
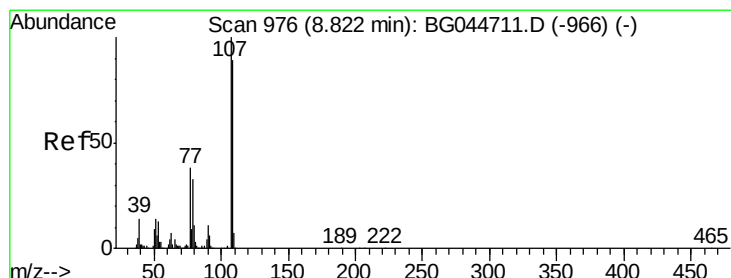
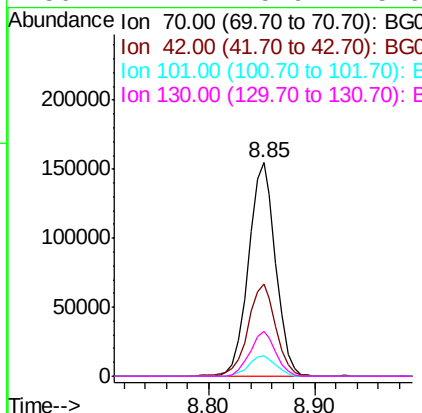
#19  
n-Nitroso-di-n-propylamine  
Concen: 48.786 ng  
RT: 8.85 min Scan# 981  
Delta R.T. -0.00 min  
Lab File: BG044968.D  
Acq: 7 Apr 2020 23:40

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 70      | 100  |       | 274545 |       |       |
| 42      | 43.1 | 45.7  | 68.5#  |       |       |
| 101     | 9.8  | 7.4   | 11.2   |       |       |
| 130     | 21.1 | 15.9  | 23.9   |       |       |

Instrument :  
BNA\_G  
ClientSampleId :  
TR-05-040320MS

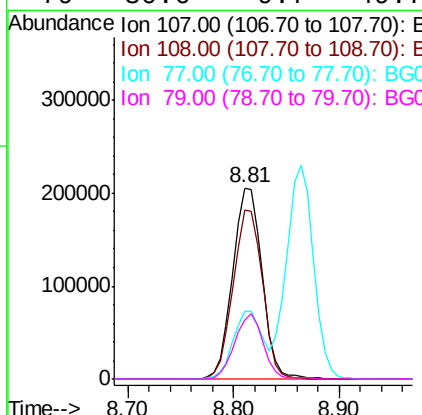
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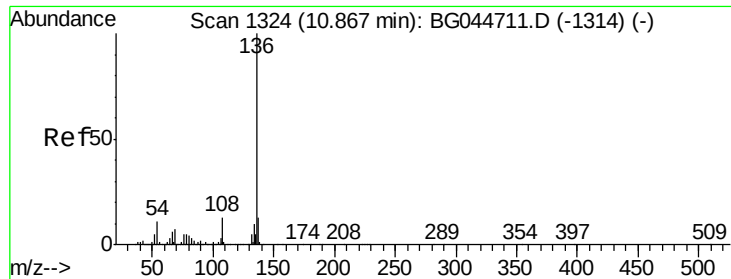
mohammad  
4/8/2020 8:14:09 AM



#20  
3+4-Methylphenols  
Concen: 53.713 ng  
RT: 8.81 min Scan# 974  
Delta R.T. -0.00 min  
Lab File: BG044968.D  
Acq: 7 Apr 2020 23:40

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 107     | 100  |       | 395744 |       |       |
| 108     | 88.7 | 71.3  | 111.3  |       |       |
| 77      | 35.6 | 16.9  | 56.9   |       |       |
| 79      | 30.6 | 9.7   | 49.7   |       |       |





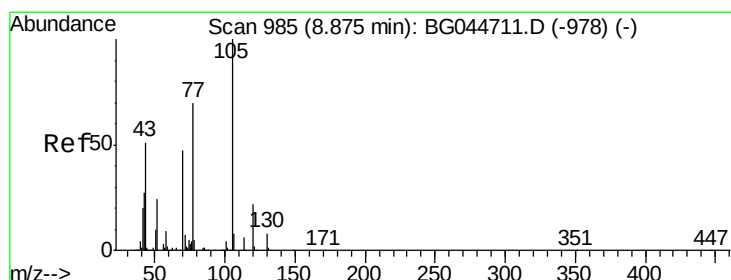
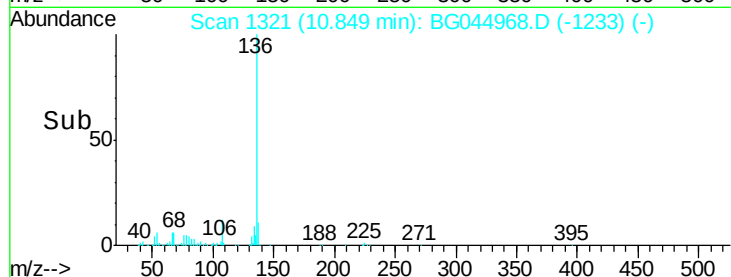
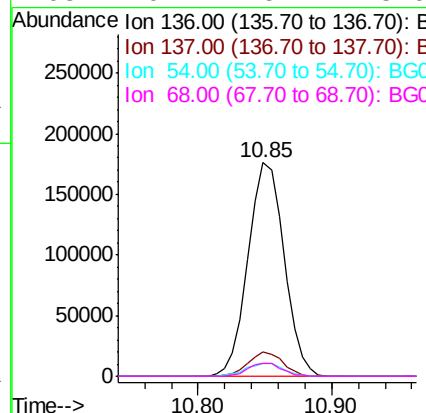
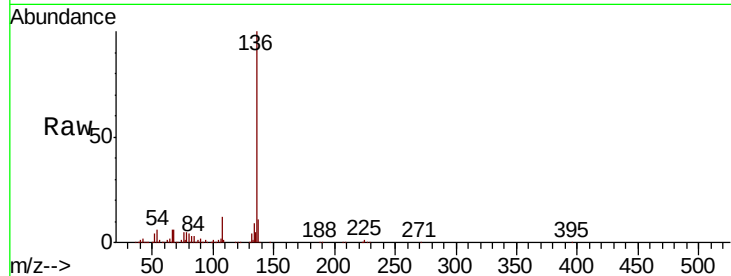
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.85 min Scan# 1321  
Delta R.T. -0.01 min  
Lab File: BG044968.D  
Acq: 7 Apr 2020 23:40

Instrument :  
BNA\_G  
ClientSampleId :  
TR-05-040320MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 136     | 100   | 328657 |       |       |
| 137     | 11.3  | 9.8    | 14.6  |       |
| 54      | 5.9   | 7.9    | 11.9  |       |
| 68      | 6.1   | 5.4    | 8.0   |       |

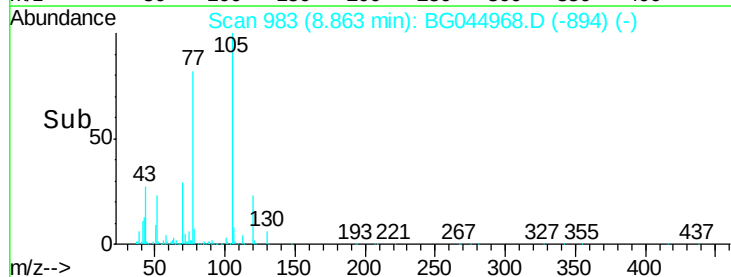
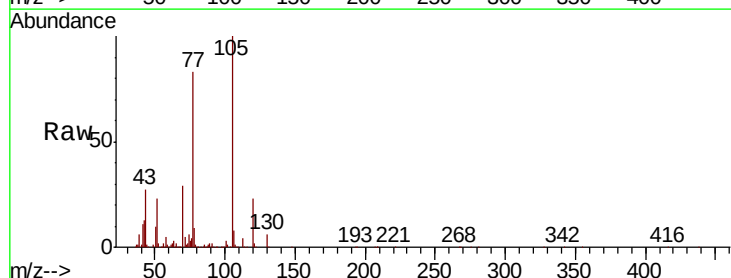
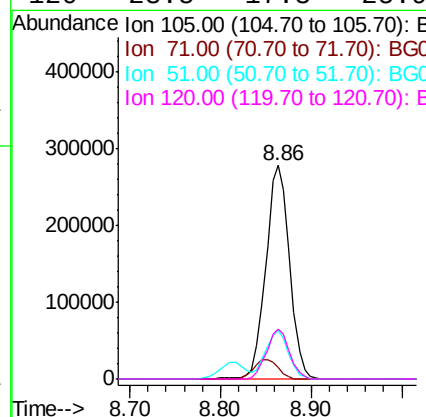
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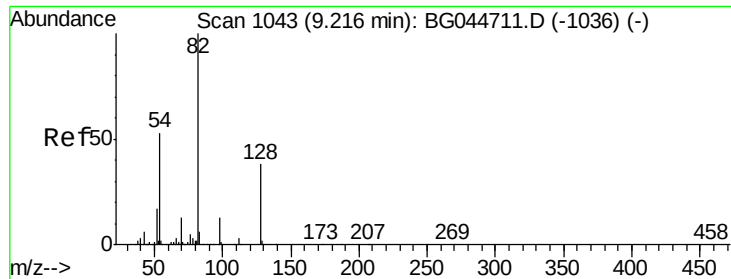
mohammad  
4/8/2020 8:14:09 AM



#22  
Acetophenone  
Concen: 54.245 ng  
RT: 8.86 min Scan# 983  
Delta R.T. -0.00 min  
Lab File: BG044968.D  
Acq: 7 Apr 2020 23:40

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 505068 |       |       |
| 71      | 5.2   | 3.9    | 5.9   |       |
| 51      | 22.9  | 22.6   | 33.8  |       |
| 120     | 23.5  | 17.3   | 25.9  |       |





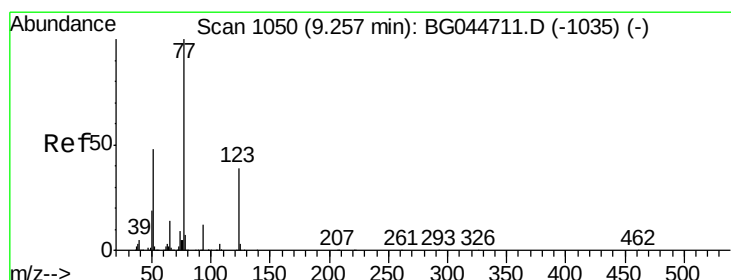
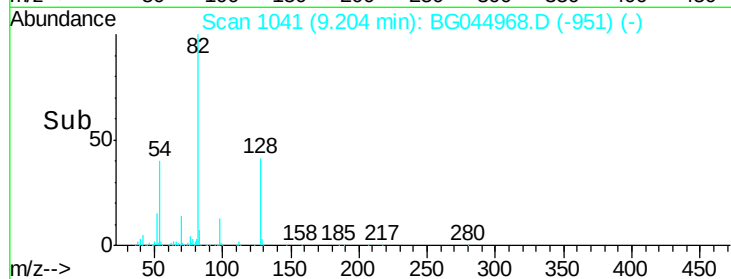
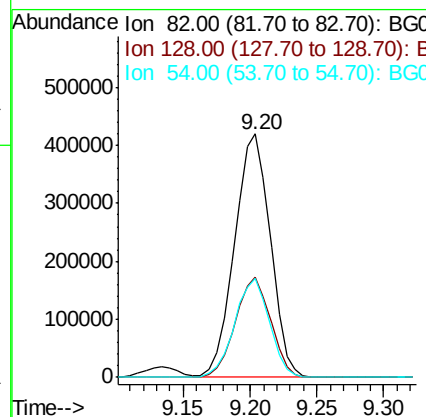
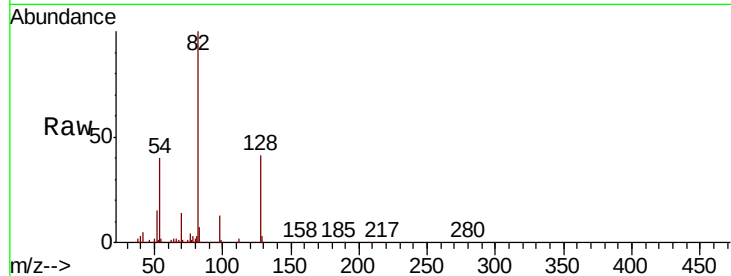
#23  
 Nitrobenzene-d5  
 Concen: 104.154 ng  
 RT: 9.20 min Scan# 1041  
 Delta R.T. 0.00 min  
 Lab File: BG044968.D  
 Acq: 7 Apr 2020 23:40

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TR-05-040320MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 41.0  | 30.6  | 46.0  |
| 54      | 40.4  | 37.1  | 55.7  |

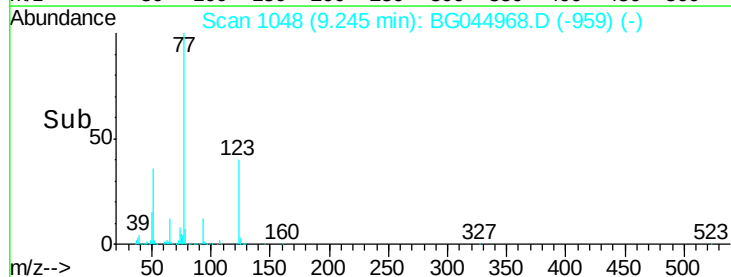
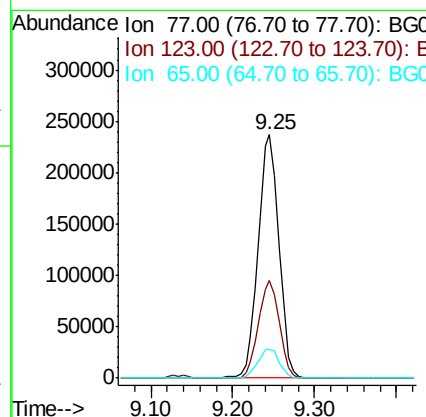
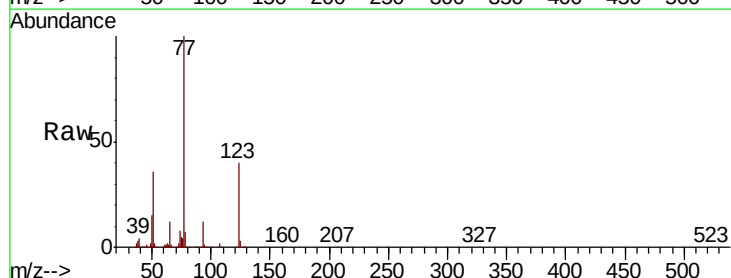
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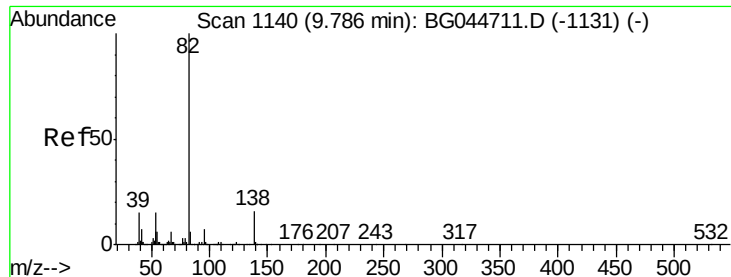


#24  
 Nitrobenzene  
 Concen: 53.872 ng  
 RT: 9.25 min Scan# 1048  
 Delta R.T. -0.01 min  
 Lab File: BG044968.D  
 Acq: 7 Apr 2020 23:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 40.0  | 31.3  | 46.9  |
| 65      | 11.8  | 11.4  | 17.0  |







#25

Isophorone

Concen: 51.636 ng

RT: 9.77 min Scan# 1137

Delta R.T. -0.01 min

Lab File: BG044968.D

Acq: 7 Apr 2020 23:40

Instrument :

BNA\_G

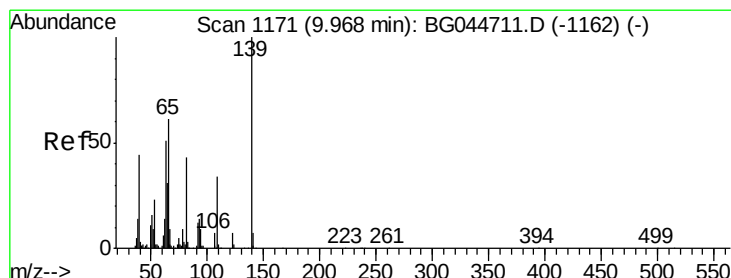
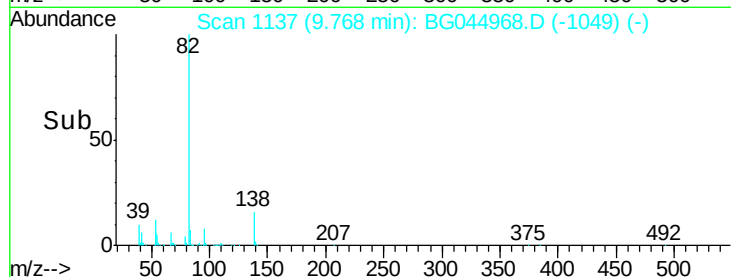
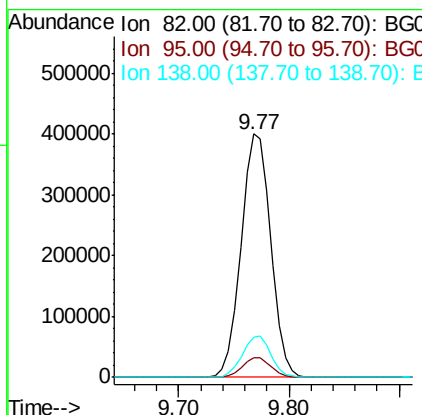
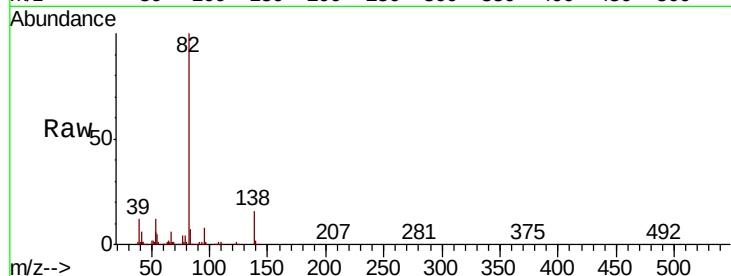
ClientSampleId :

TR-05-040320MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 82    | Resp: | 754796 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 95        | 8.1   | 5.5   | 8.3    |
| 138       | 16.4  | 12.5  | 18.7   |

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#26

2-Nitrophenol

Concen: 61.249 ng

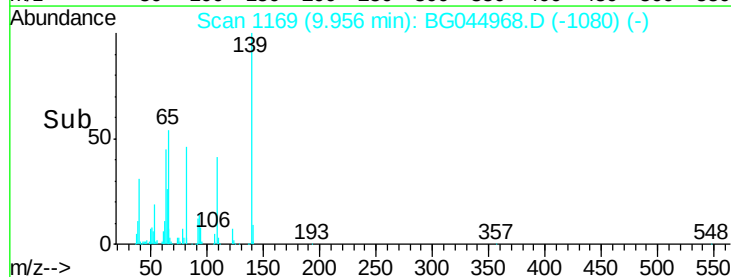
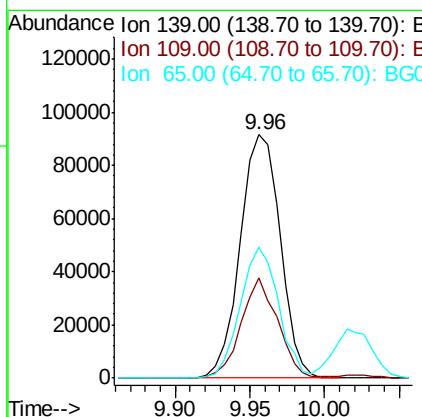
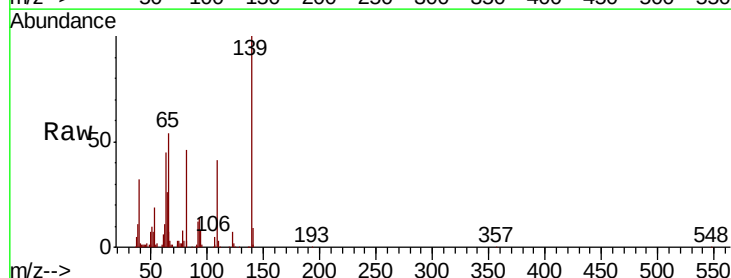
RT: 9.96 min Scan# 1169

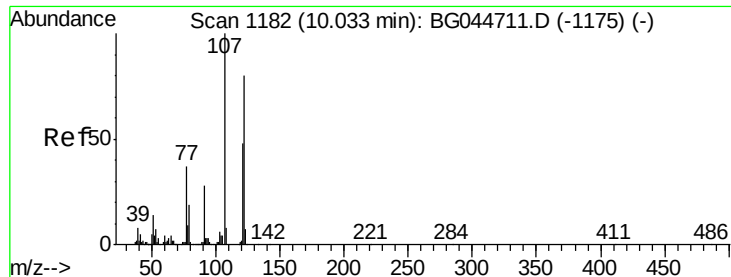
Delta R.T. -0.01 min

Lab File: BG044968.D

Acq: 7 Apr 2020 23:40

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 139   | Resp: | 169889 |
| Ion Ratio | Lower | Upper |        |
| 139       | 100   |       |        |
| 109       | 41.4  | 30.2  | 45.4   |
| 65        | 53.9  | 46.3  | 69.5   |





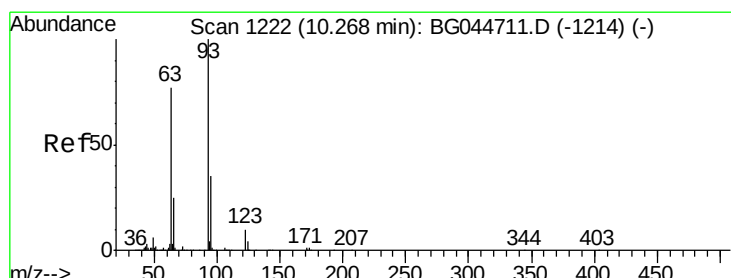
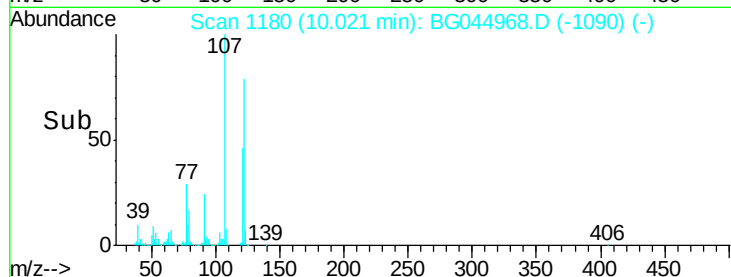
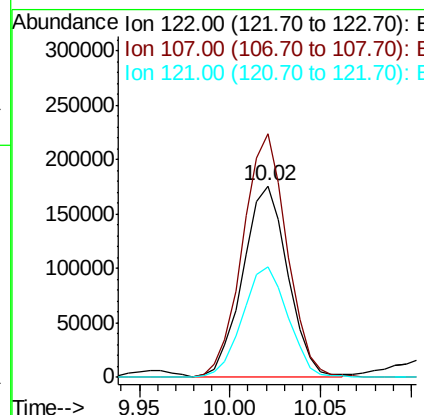
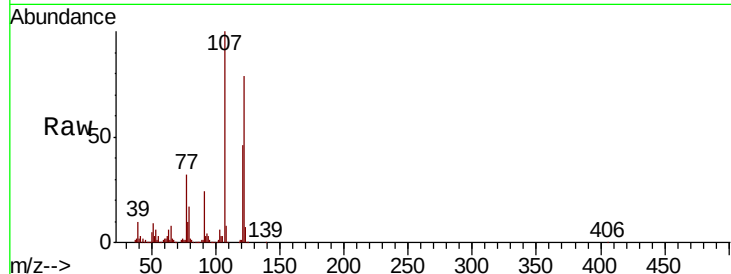
#27  
2,4-Dimethylphenol  
Concen: 63.256 ng  
RT: 10.02 min Scan# 1180  
Delta R.T. 0.00 min  
Lab File: BG044968.D  
Acq: 7 Apr 2020 23:40

Instrument :  
BNA\_G  
ClientSampleId :  
TR-05-040320MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 127.0 | 107.1 | 160.7 |
| 121     | 57.8  | 46.8  | 70.2  |

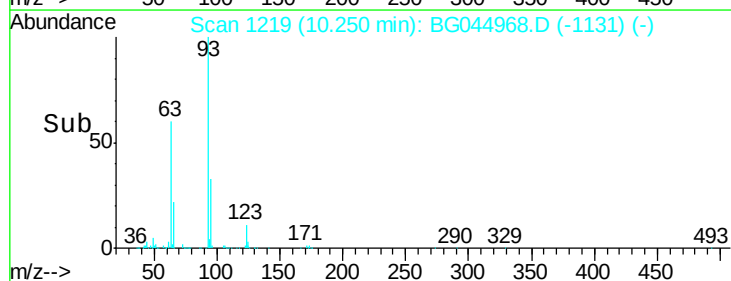
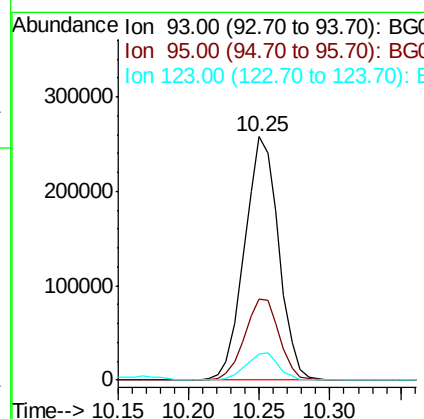
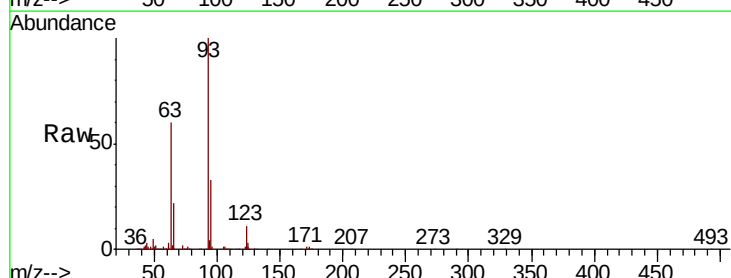
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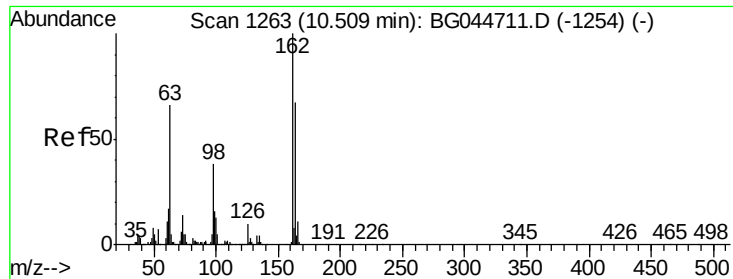
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#28  
bis(2-Chloroethoxy)methane  
Concen: 49.847 ng  
RT: 10.25 min Scan# 1219  
Delta R.T. -0.01 min  
Lab File: BG044968.D  
Acq: 7 Apr 2020 23:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 33.2  | 26.4  | 39.6  |
| 123     | 10.9  | 8.4   | 12.6  |





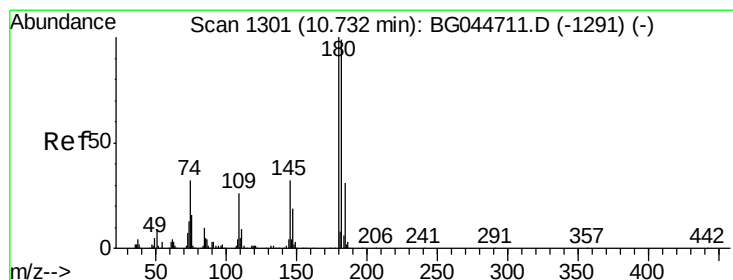
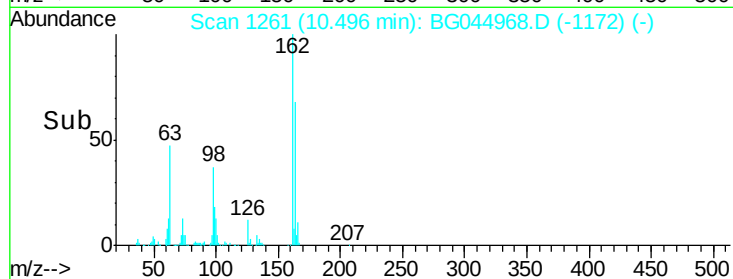
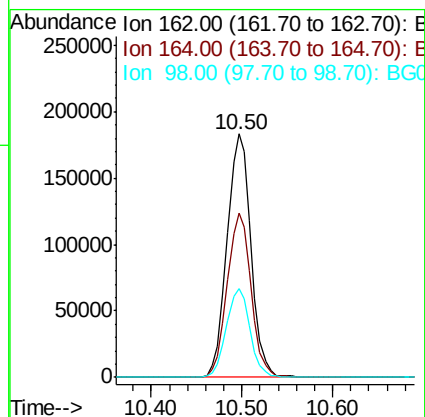
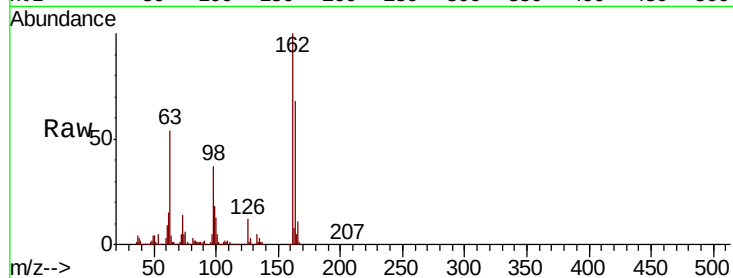
#29  
2,4-Dichlorophenol  
Concen: 60.236 ng  
RT: 10.50 min Scan# 1261  
Delta R.T. -0.01 min  
Lab File: BG044968.D  
Acq: 7 Apr 2020 23:40

Instrument :  
BNA\_G  
ClientSampleId :  
TR-05-040320MS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 162     | 100   |            |       |
| 164     | 67.7  | 45.2       | 85.2  |
| 98      | 36.5  | 19.0       | 59.0  |

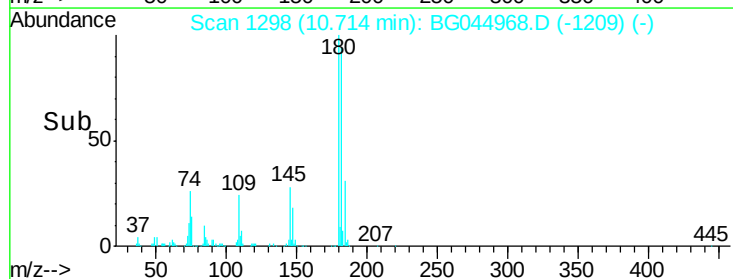
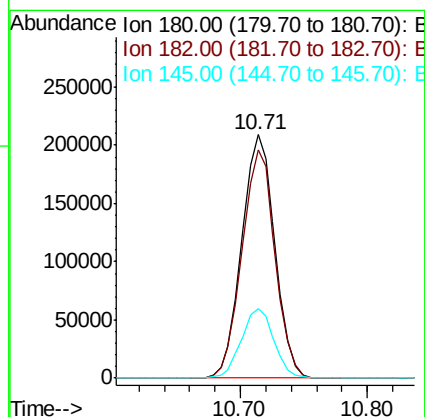
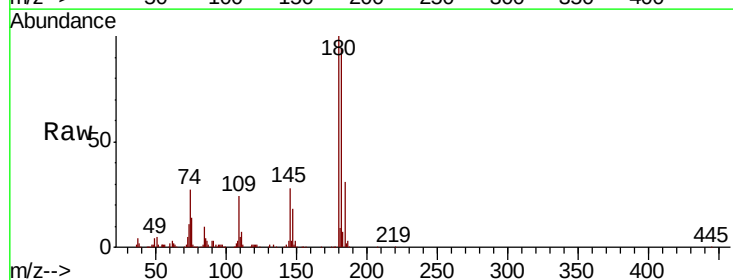
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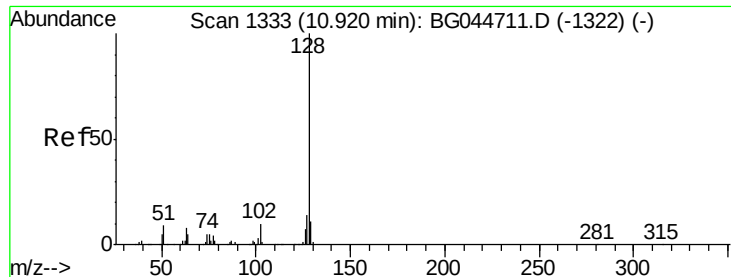
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#30  
1,2,4-Trichlorobenzene  
Concen: 56.635 ng  
RT: 10.71 min Scan# 1298  
Delta R.T. -0.01 min  
Lab File: BG044968.D  
Acq: 7 Apr 2020 23:40

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 180     | 100   |            |       |
| 182     | 93.6  | 71.6       | 107.4 |
| 145     | 28.5  | 23.4       | 35.0  |





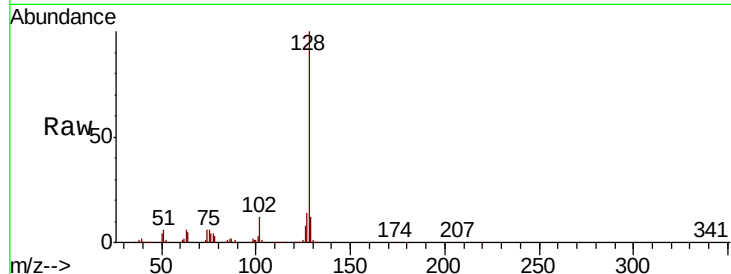
#31  
Naphthalene  
Concen: 55.165 ng  
RT: 10.90 min Scan# 1330  
Delta R.T. -0.01 min  
Lab File: BG044968.D  
Acq: 7 Apr 2020 23:40

Instrument :  
BNA\_G  
ClientSampleId :  
TR-05-040320MS

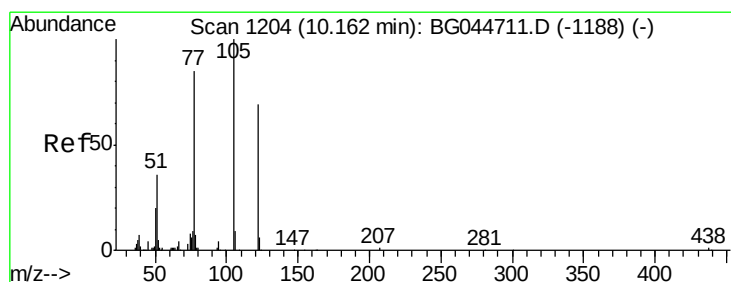
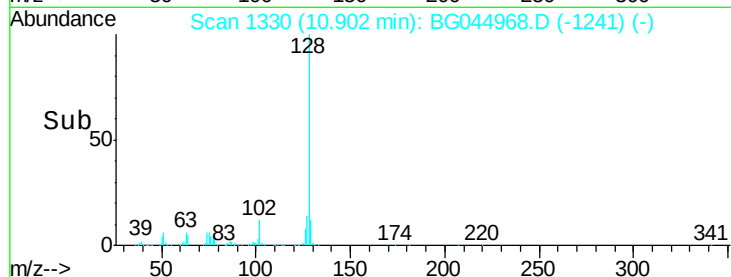
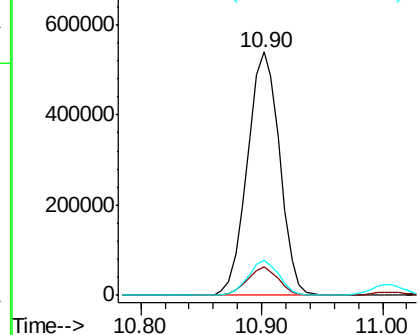
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 11.8  | 9.0   | 13.4  |
| 127     | 14.5  | 10.8  | 16.2  |

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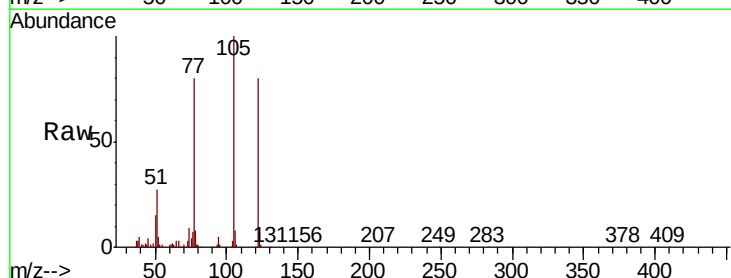


Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E

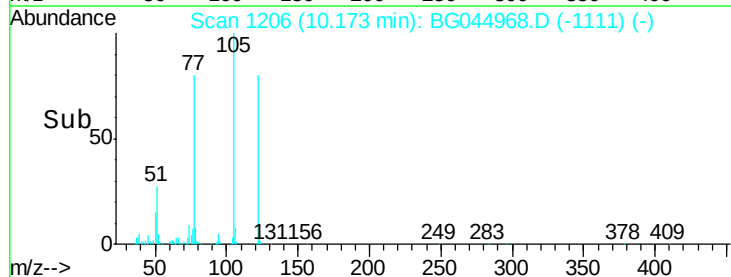
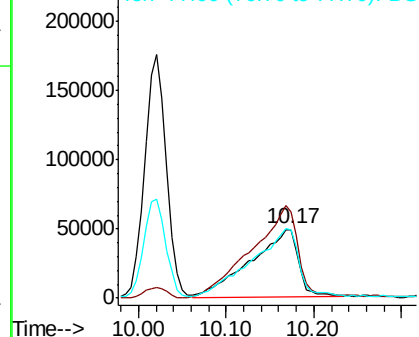


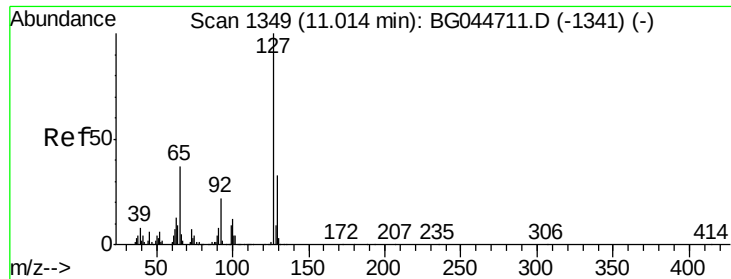
#32  
Benzoic acid  
Concen: 48.552 ng  
RT: 10.17 min Scan# 1206  
Delta R.T. 0.03 min  
Lab File: BG044968.D  
Acq: 7 Apr 2020 23:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 105     | 125.0 | 109.1 | 149.1 |
| 77      | 99.9  | 85.3  | 125.3 |



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





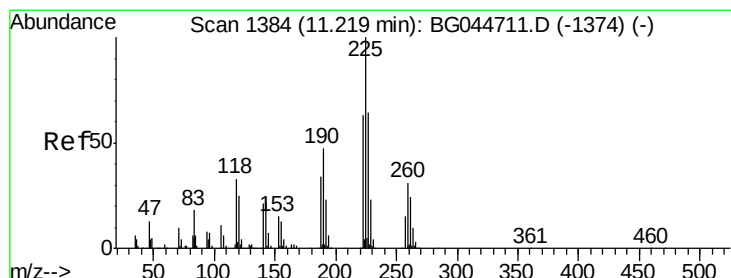
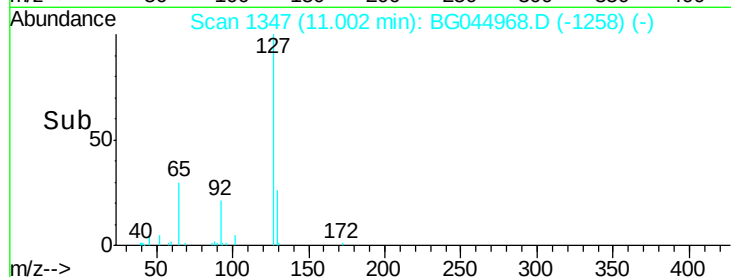
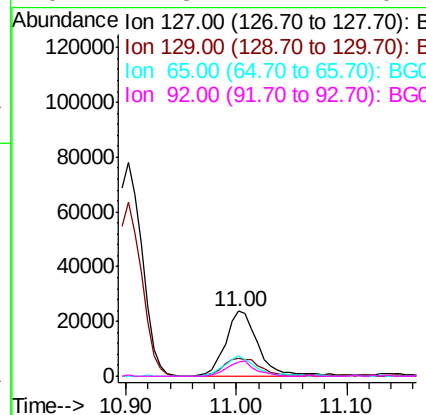
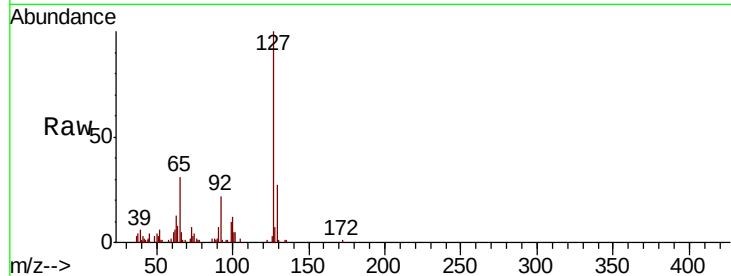
#33  
4-Chloroaniline  
Concen: 6.025 ng  
RT: 11.00 min Scan# 1347  
Delta R.T. -0.01 min  
Lab File: BG044968.D  
Acq: 7 Apr 2020 23:40

Instrument :  
BNA\_G  
ClientSampleId :  
TR-05-040320MS

| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 127     | 100  |       |      |       |       |
| 129     | 27.3 | 26.9  | 40.3 |       |       |
| 65      | 31.2 | 27.7  | 41.5 |       |       |
| 92      | 21.8 | 17.4  | 26.2 |       |       |

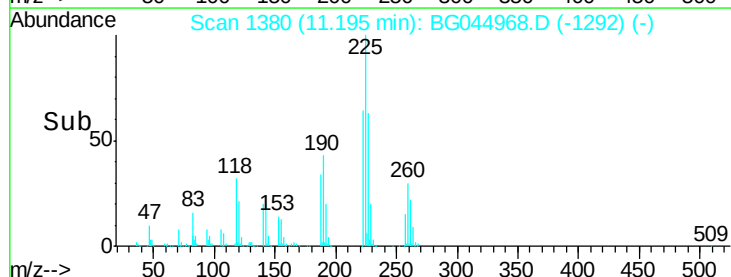
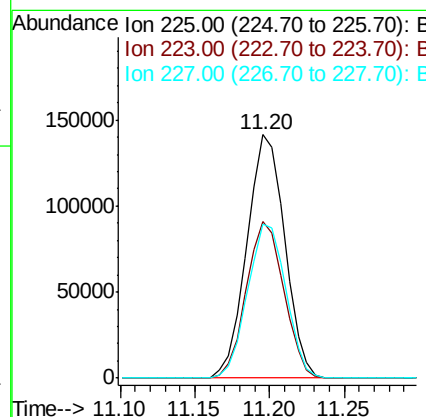
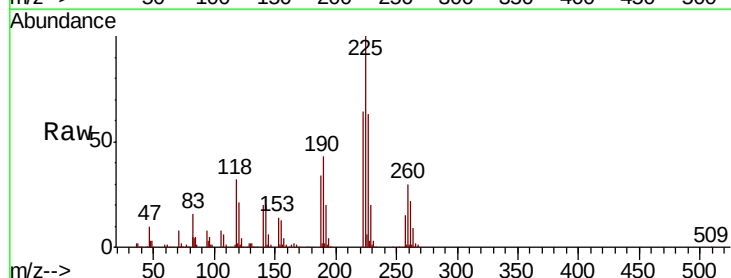
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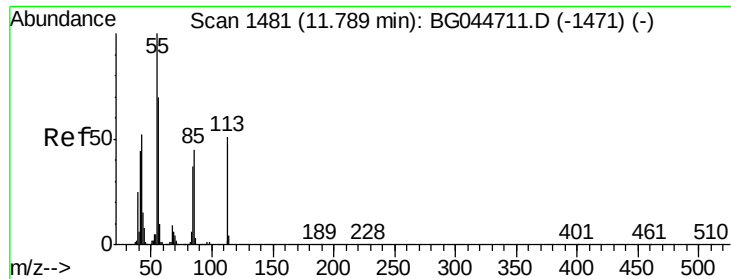
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#34  
Hexachlorobutadiene  
Concen: 56.750 ng  
RT: 11.20 min Scan# 1380  
Delta R.T. -0.01 min  
Lab File: BG044968.D  
Acq: 7 Apr 2020 23:40

| Tgt Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 225     | 100  |       |      |       |       |
| 223     | 64.3 | 47.4  | 71.0 |       |       |
| 227     | 63.0 | 50.8  | 76.2 |       |       |





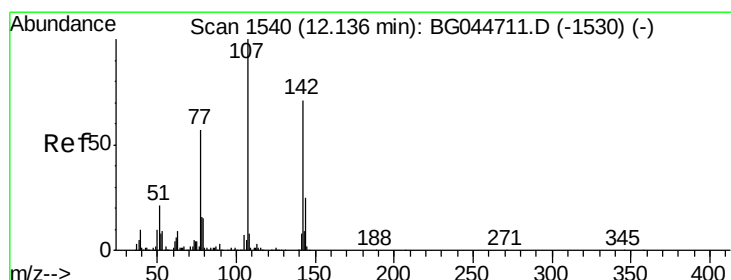
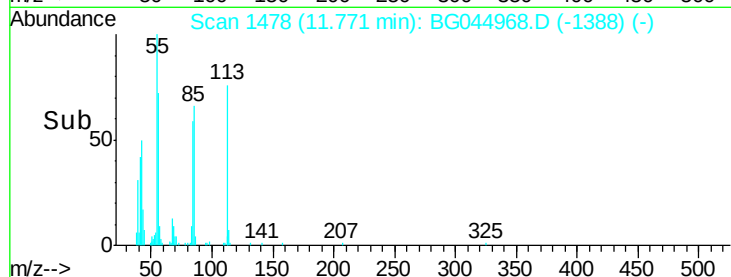
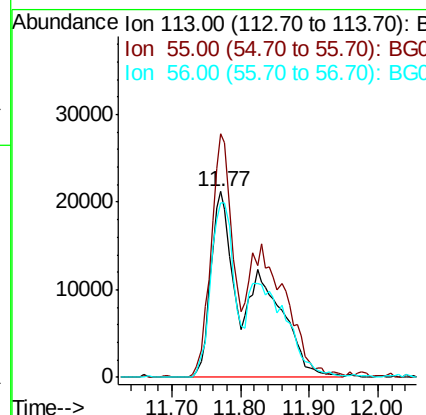
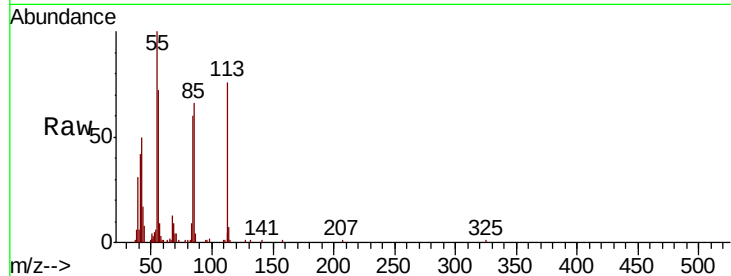
#35  
 Caprolactam  
 Concen: 42.414 ng/ml  
 RT: 11.77 min Scan# 1478  
 Delta R.T. 0.00 min  
 Lab File: BG044968.D  
 Acq: 7 Apr 2020 23:40

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TR-05-040320MS

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 113     | 100   |       |        |
| 55      | 131.1 | 173.8 | 213.8# |
| 56      | 94.3  | 113.8 | 153.8# |

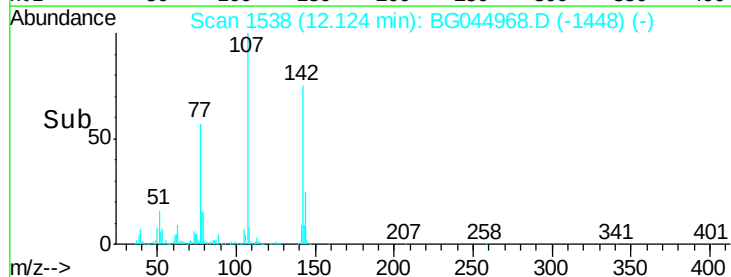
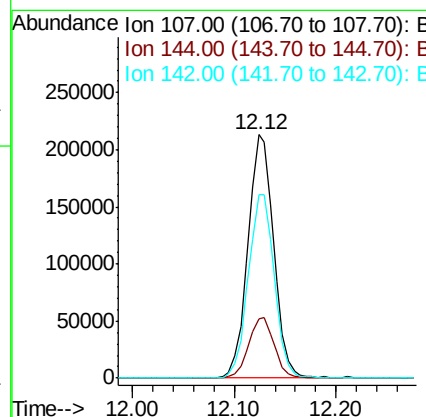
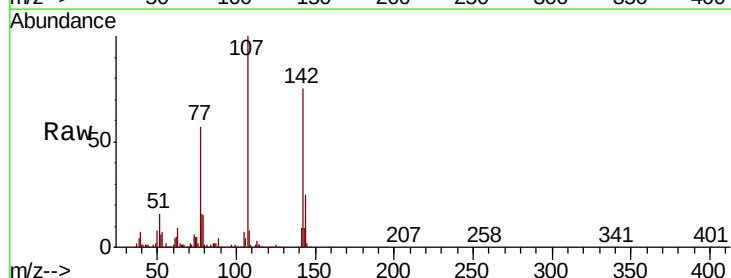
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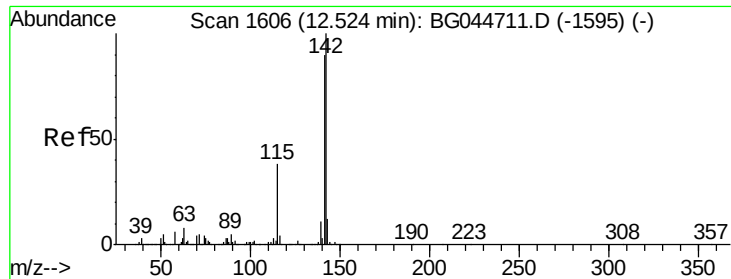
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#36  
 4-Chloro-3-methylphenol  
 Concen: 56.550 ng/ml  
 RT: 12.12 min Scan# 1538  
 Delta R.T. 0.00 min  
 Lab File: BG044968.D  
 Acq: 7 Apr 2020 23:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 144     | 24.6  | 18.0  | 27.0  |
| 142     | 75.3  | 59.0  | 88.4  |





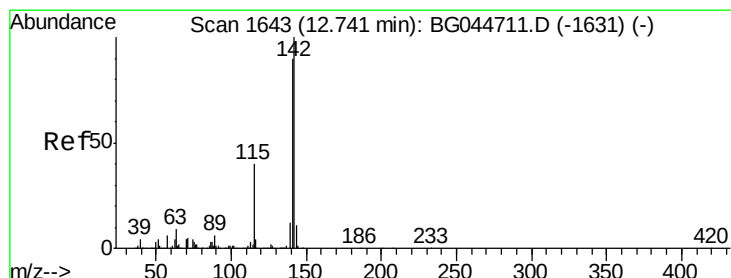
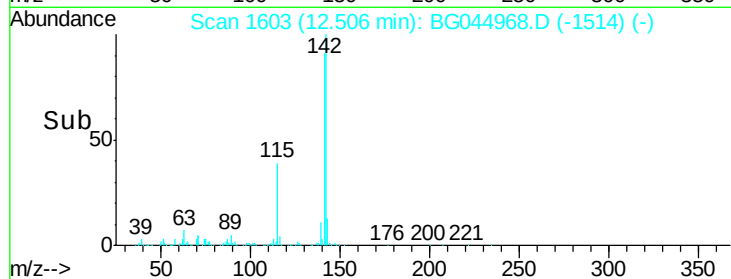
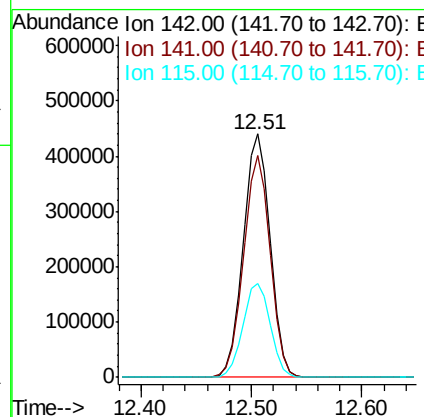
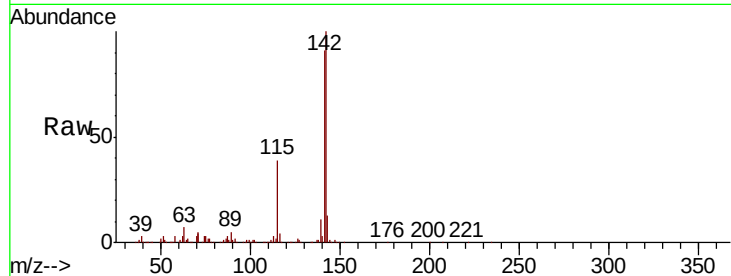
#37  
2-Methylnaphthalene  
Concen: 55.207 ng  
RT: 12.51 min Scan# 1603  
Delta R.T. -0.01 min  
Lab File: BG044968.D  
Acq: 7 Apr 2020 23:40

Instrument :  
BNA\_G  
ClientSampleId :  
TR-05-040320MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 142     | 100   | 751857 |       |       |
| 141     | 91.2  | 75.1   | 112.7 |       |
| 115     | 38.8  | 30.6   | 46.0  |       |

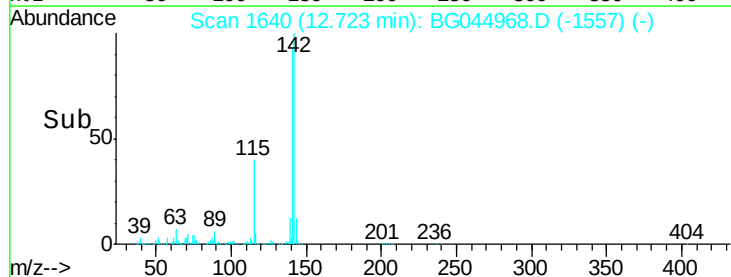
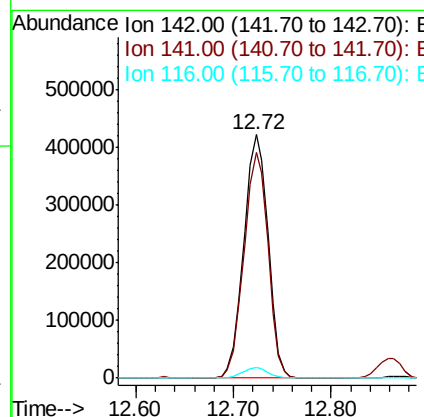
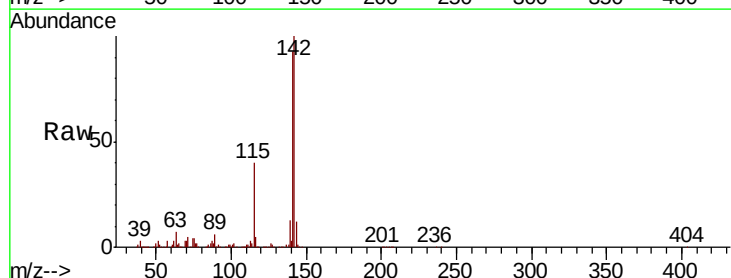
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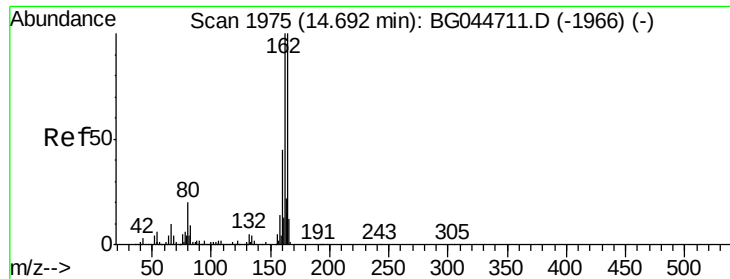
mohammad  
4/8/2020 8:14:09 AM



#38  
1-Methylnaphthalene  
Concen: 57.115 ng  
RT: 12.72 min Scan# 1640  
Delta R.T. -0.01 min  
Lab File: BG044968.D  
Acq: 7 Apr 2020 23:40

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 142     | 100   | 731267 |       |       |
| 141     | 92.6  | 74.7   | 112.1 |       |
| 116     | 4.5   | 3.3    | 4.9   |       |





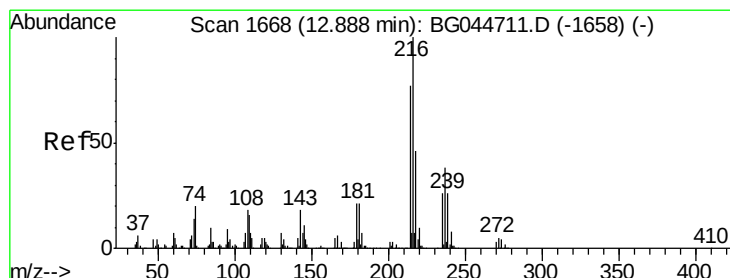
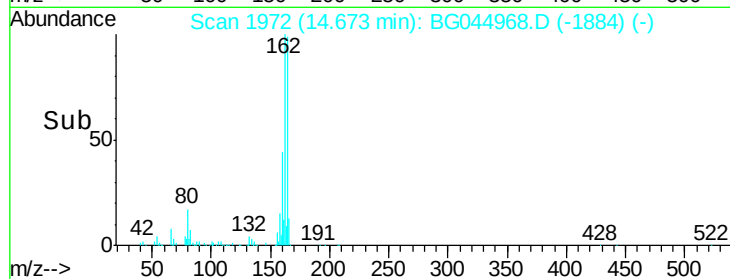
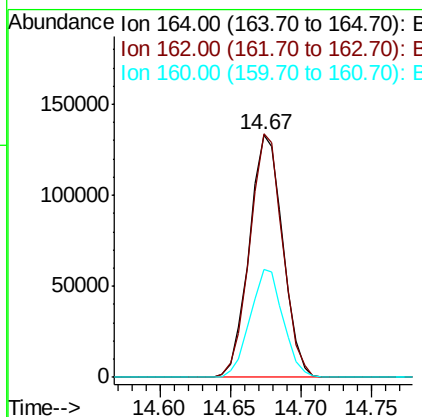
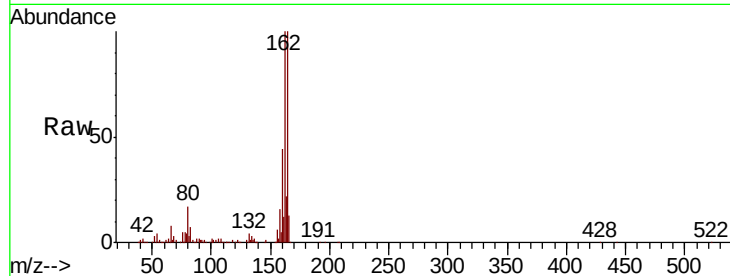
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.67 min Scan# 1972  
Delta R.T. -0.01 min  
Lab File: BG044968.D  
Acq: 7 Apr 2020 23:40

Instrument :  
BNA\_G  
ClientSampleId :  
TR-05-040320MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 100.3 | 76.7  | 115.1 |
| 160     | 44.4  | 35.0  | 52.4  |

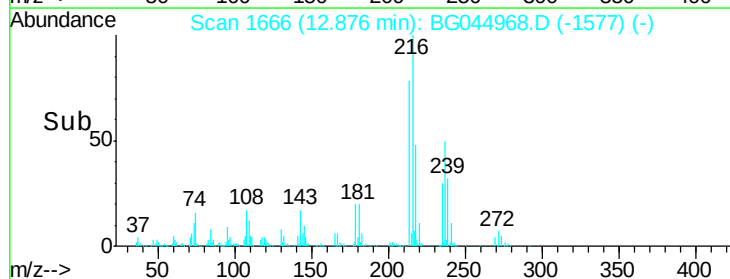
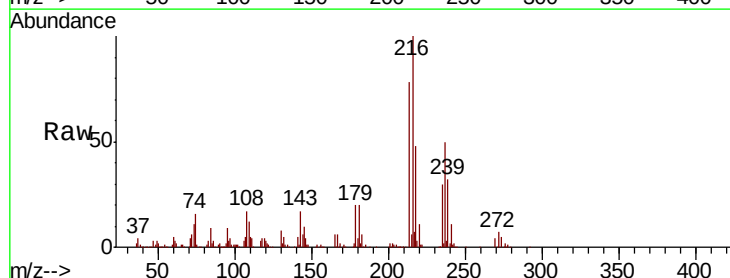
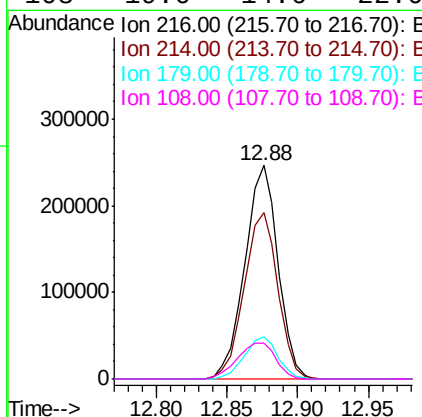
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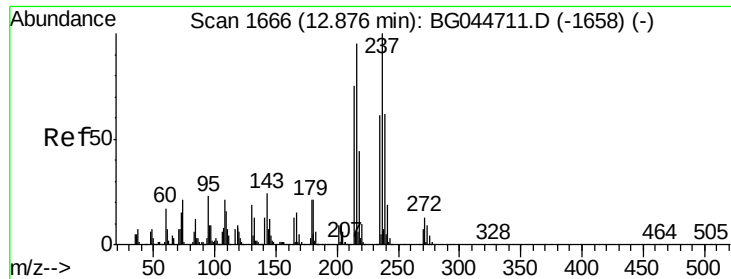


#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 55.575 ng  
RT: 12.88 min Scan# 1666  
Delta R.T. -0.01 min  
Lab File: BG044968.D  
Acq: 7 Apr 2020 23:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 216     | 100   |       |       |
| 214     | 79.2  | 63.8  | 95.6  |
| 179     | 20.1  | 16.2  | 24.2  |
| 108     | 19.6  | 14.6  | 22.0  |







#41

Hexachlorocyclopentadiene

Concen: 132.501 ng

RT: 12.86 min Scan# 1664

Delta R.T. -0.01 min

Lab File: BG044968.D

Acq: 7 Apr 2020 23:40

Instrument :

BNA\_G

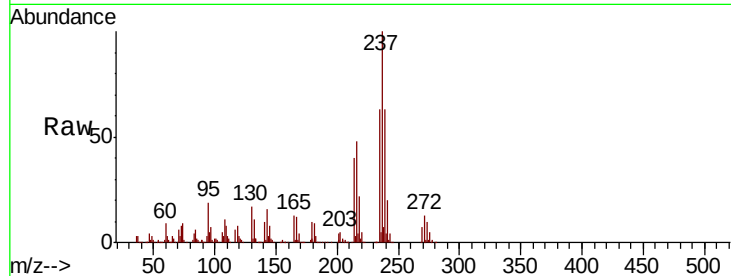
ClientSampleId :

TR-05-040320MS

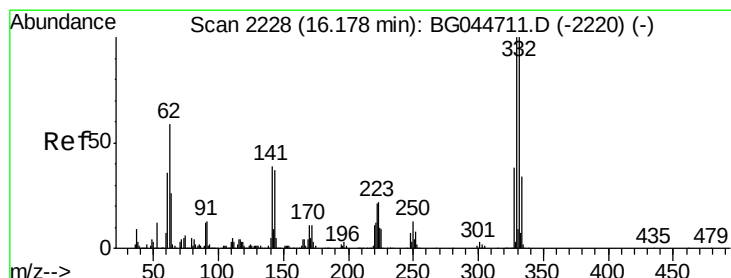
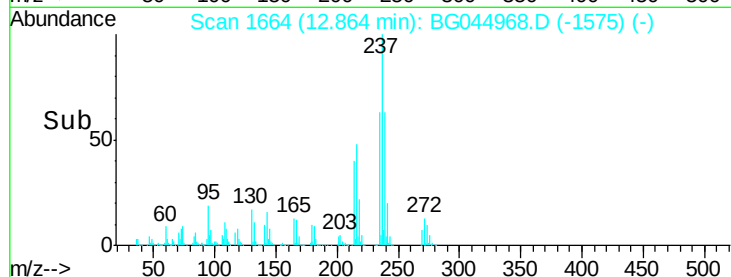
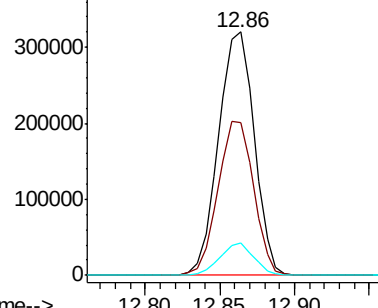
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 237   | Resp: | 529197 |
| Ion Ratio | Lower | Upper |        |
| 237       | 100   |       |        |
| 235       | 62.8  | 42.9  | 82.9   |
| 272       | 13.4  | 0.0   | 31.6   |

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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: 185.200 ng

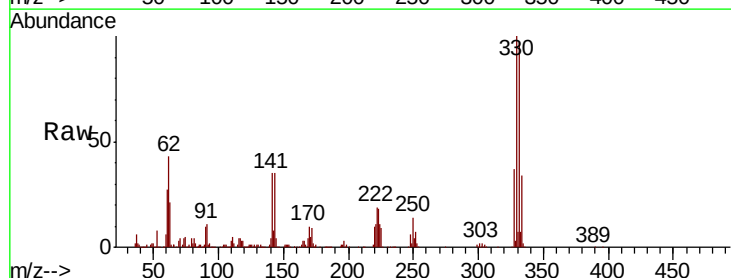
RT: 16.17 min Scan# 2226

Delta R.T. -0.01 min

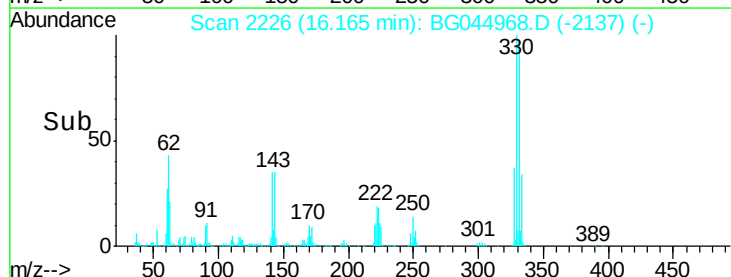
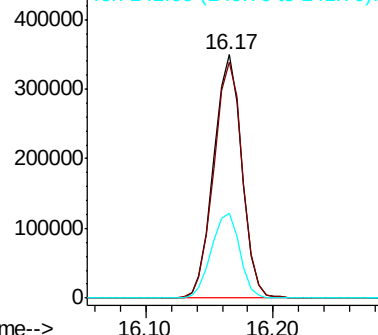
Lab File: BG044968.D

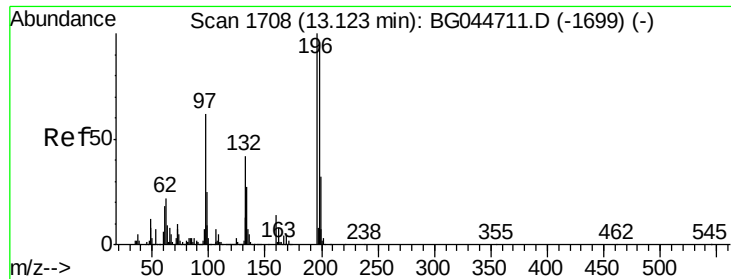
Acq: 7 Apr 2020 23:40

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 330   | Resp: | 538106 |
| Ion Ratio | Lower | Upper |        |
| 330       | 100   |       |        |
| 332       | 98.1  | 77.8  | 116.6  |
| 141       | 35.3  | 29.5  | 44.3   |



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





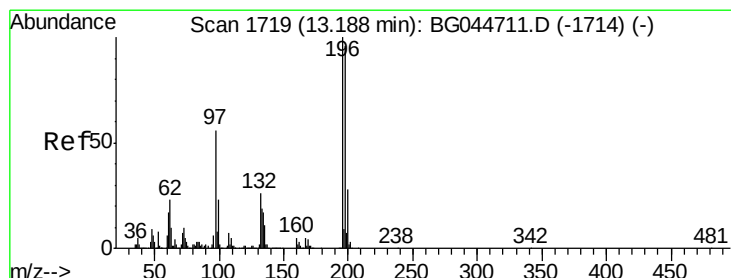
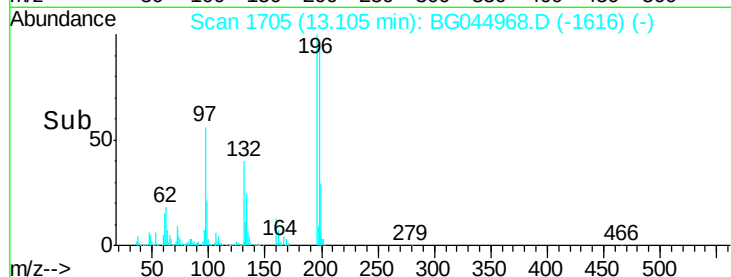
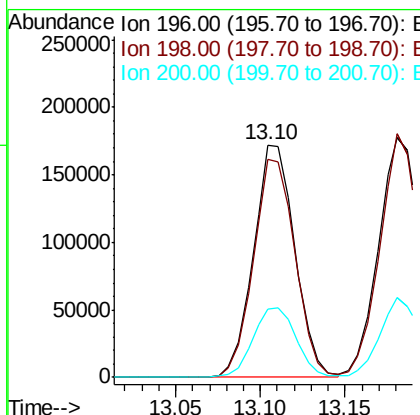
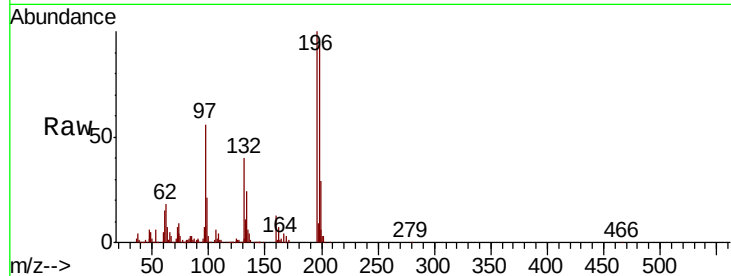
#43  
 2,4,6-Trichlorophenol  
 Concen: 59.982 ng  
 RT: 13.10 min Scan# 1705  
 Delta R.T. -0.01 min  
 Lab File: BG044968.D  
 Acq: 7 Apr 2020 23:40

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TR-05-040320MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 290914 |       |       |
| 198     | 94.1  | 74.9   | 112.3 |       |
| 200     | 29.3  | 25.8   | 38.6  |       |

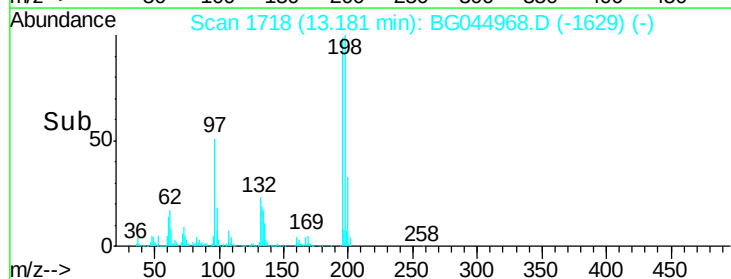
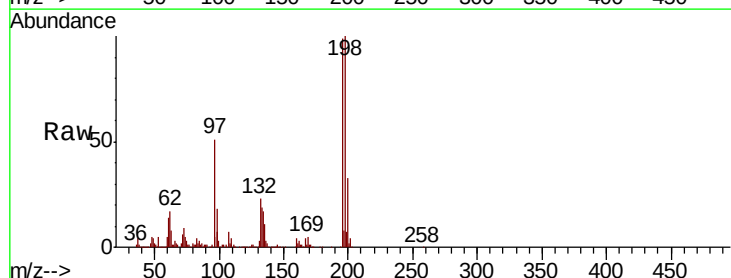
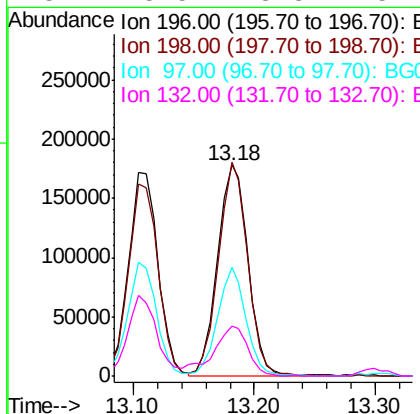
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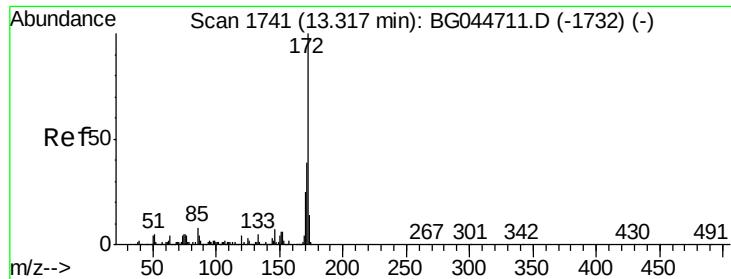
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#44  
 2,4,5-Trichlorophenol  
 Concen: 61.316 ng  
 RT: 13.18 min Scan# 1718  
 Delta R.T. -0.01 min  
 Lab File: BG044968.D  
 Acq: 7 Apr 2020 23:40

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 308407 |       |       |
| 198     | 101.3 | 74.2   | 111.4 |       |
| 97      | 51.8  | 36.7   | 55.1  |       |
| 132     | 23.5  | 18.8   | 28.2  |       |





#45

2-Fluorobiphenyl

Concen: 107.803 ng

RT: 13.30 min Scan# 1738

Delta R.T. -0.01 min

Lab File: BG044968.D

Acq: 7 Apr 2020 23:40

Instrument :

BNA\_G

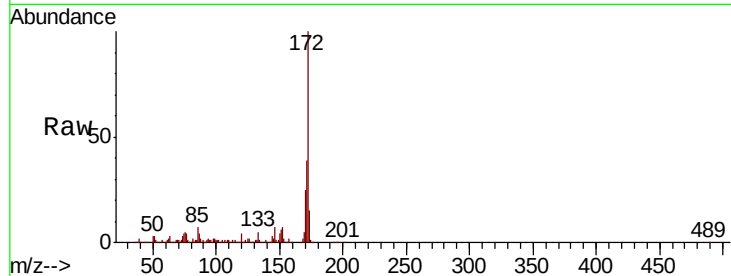
ClientSampleId :

TR-05-040320MS

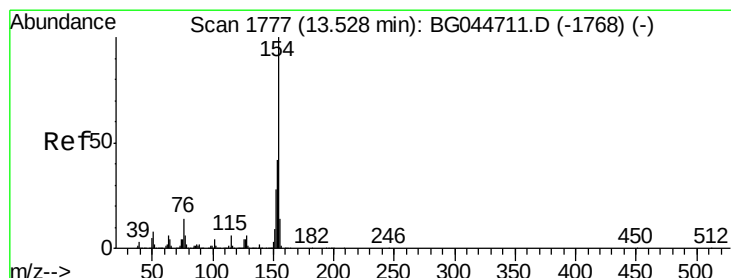
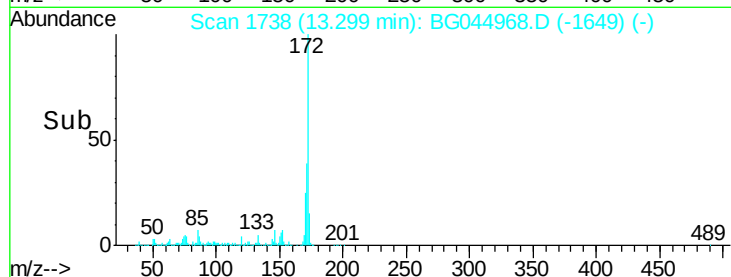
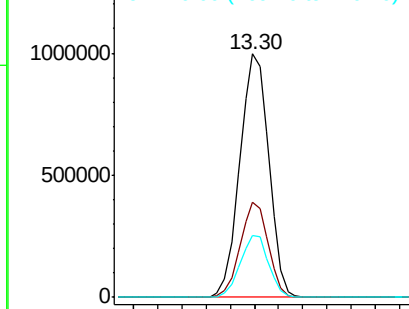
|             |               |
|-------------|---------------|
| Tot Ion:172 | Resp: 1670517 |
| Ion Ratio   | Lower Upper   |
| 172 100     |               |
| 171 39.1    | 28.7 43.1     |
| 170 25.5    | 19.0 28.6     |

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Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E



#46

1,1'-Biphenyl

Concen: 53.373 ng

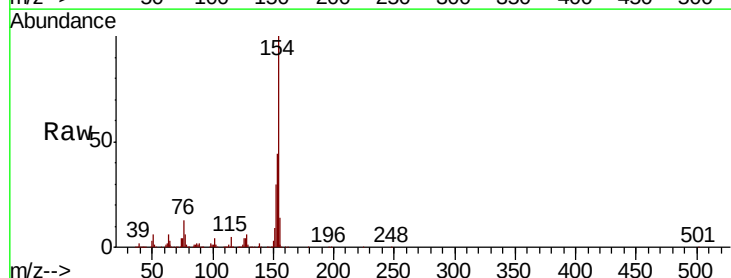
RT: 13.51 min Scan# 1774

Delta R.T. -0.01 min

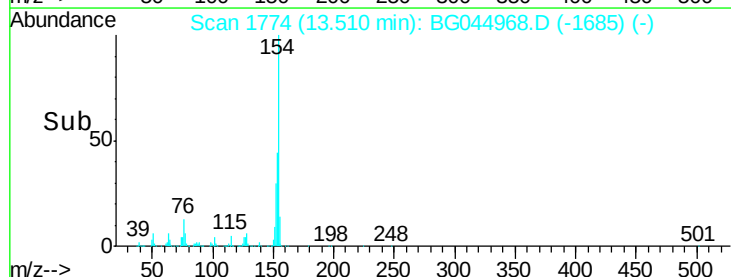
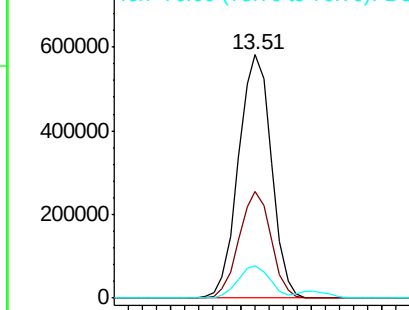
Lab File: BG044968.D

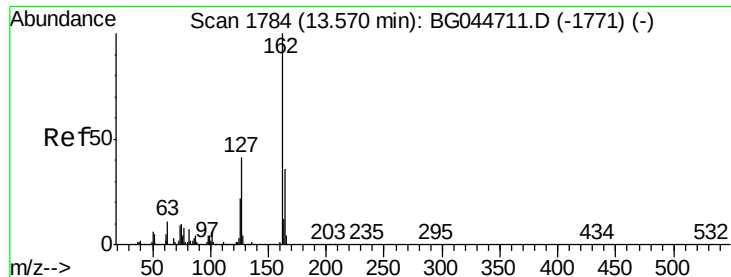
Acq: 7 Apr 2020 23:40

|         |      |             |              |
|---------|------|-------------|--------------|
| Tgt Ion | 154  | Resp: Lower | 946477 Upper |
| 154     | 100  |             |              |
| 153     | 43.9 | 22.9        | 62.9         |
| 76      | 13.3 | 0.0         | 34.6         |



Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 76.00 (75.70 to 76.70): BG





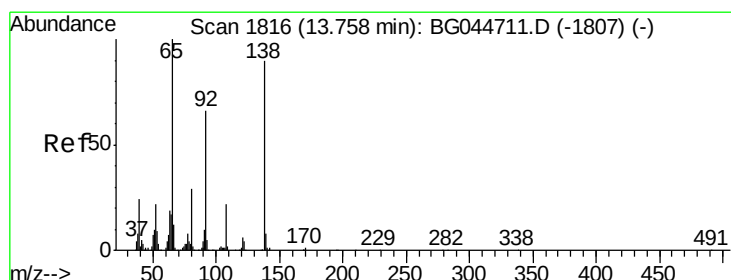
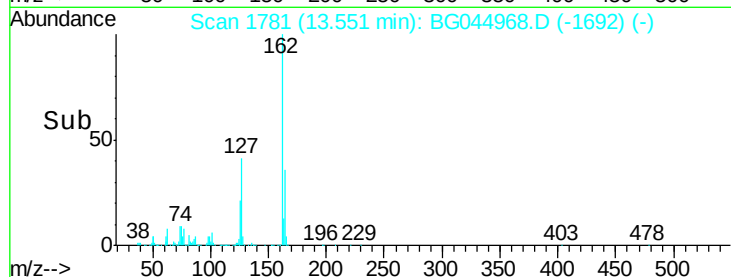
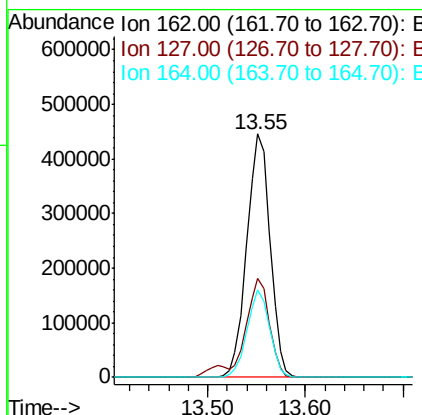
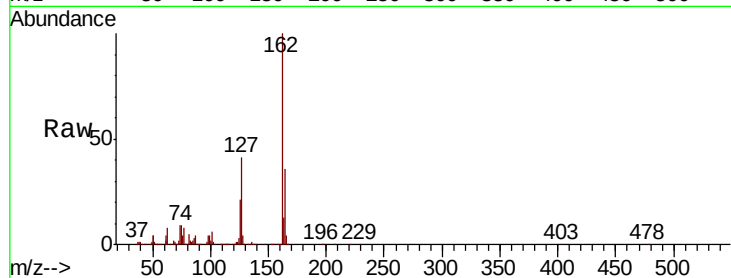
#47  
2-Chloronaphthalene  
Concen: 54.625 ng  
RT: 13.55 min Scan# 1781  
Delta R.T. -0.01 min  
Lab File: BG044968.D  
Acq: 7 Apr 2020 23:40

Instrument :  
BNA\_G  
ClientSampleId :  
TR-05-040320MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 40.7  | 33.1  | 49.7  |
| 164     | 35.9  | 27.4  | 41.2  |

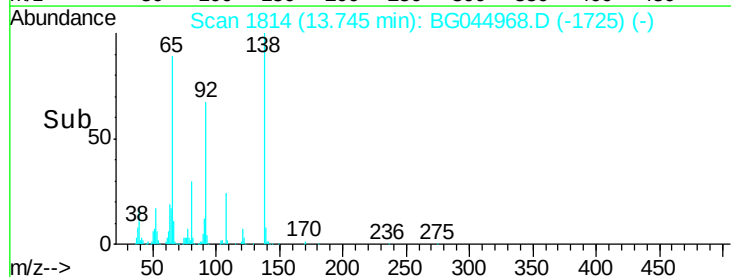
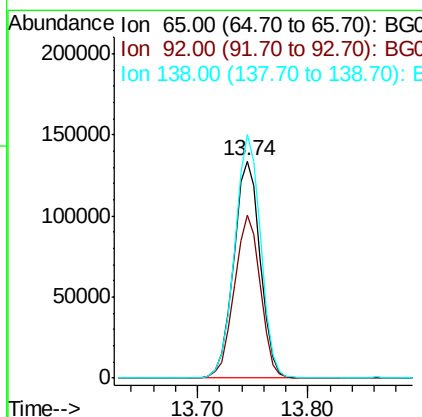
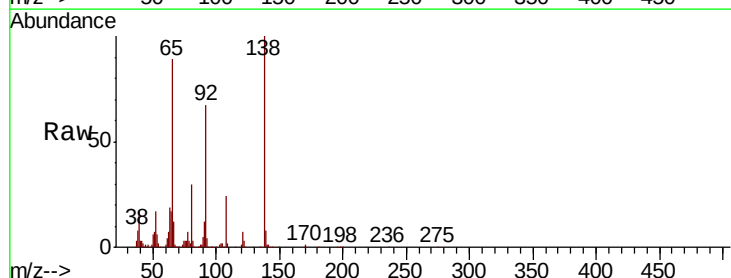
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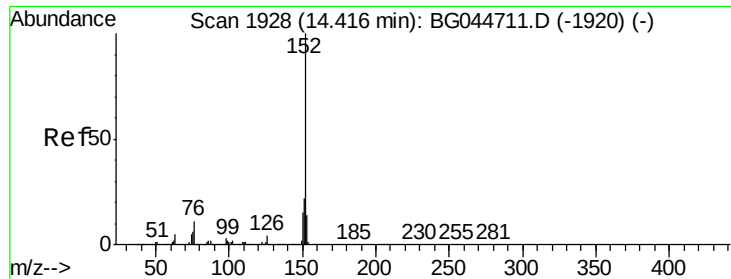
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#48  
2-Nitroaniline  
Concen: 47.635 ng  
RT: 13.74 min Scan# 1814  
Delta R.T. -0.01 min  
Lab File: BG044968.D  
Acq: 7 Apr 2020 23:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 75.2  | 52.6  | 79.0  |
| 138     | 112.3 | 78.3  | 117.5 |





#49

Acenaphthylene

Concen: 56.238 ng

RT: 14.40 min Scan# 1925

Delta R.T. -0.01 min

Lab File: BG044968.D

Acq: 7 Apr 2020 23:40

Instrument :

BNA\_G

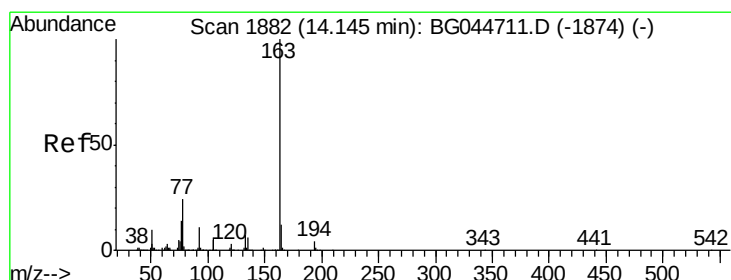
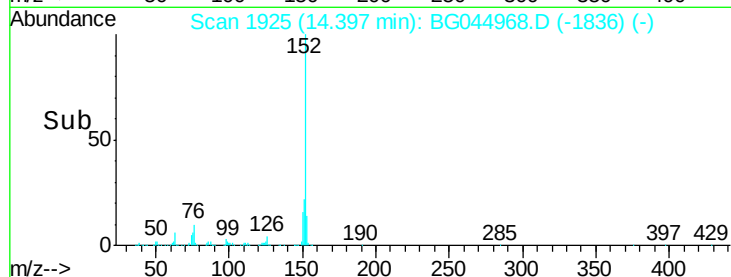
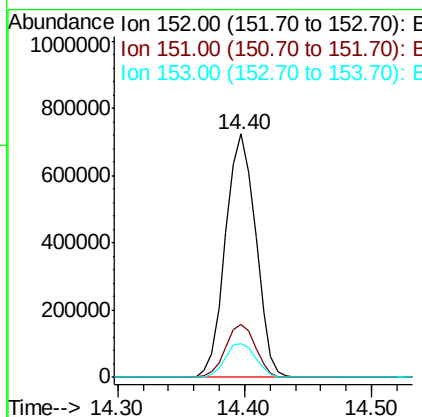
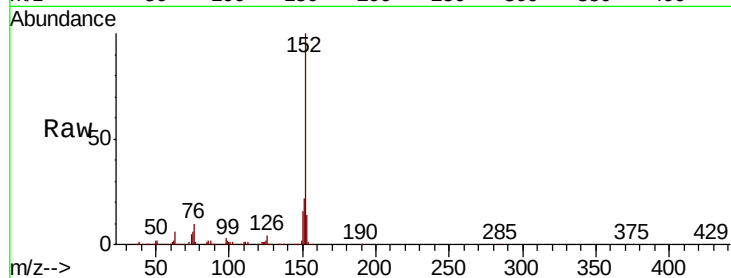
ClientSampleId :

TR-05-040320MS

|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 152   | Resp: | 1193534 |
| Ion      | Ratio | Lower | Upper   |
| 152      | 100   |       |         |
| 151      | 21.8  | 16.8  | 25.2    |
| 153      | 14.1  | 10.8  | 16.2    |

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#50

Dimethylphthalate

Concen: 59.200 ng

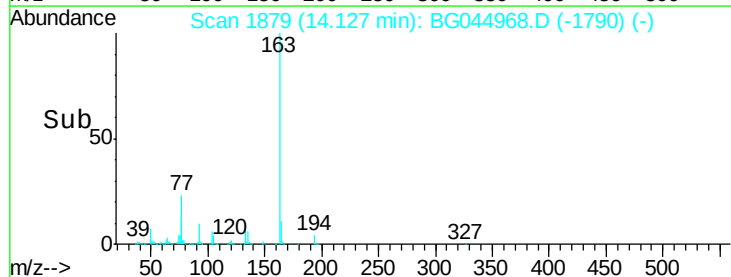
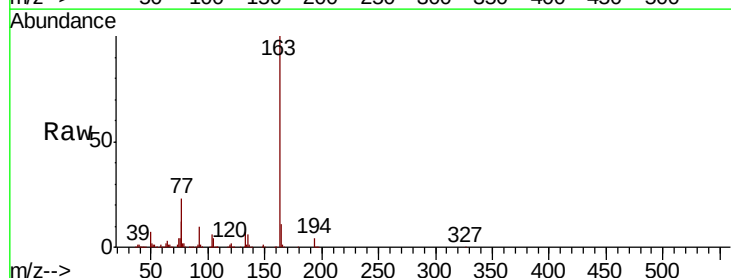
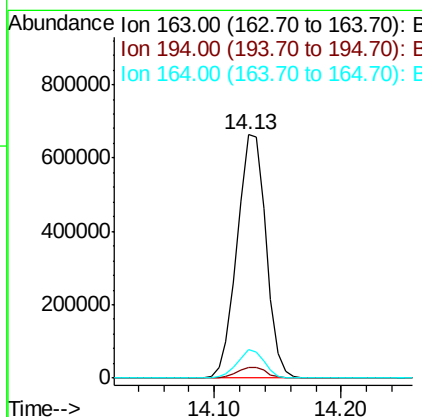
RT: 14.13 min Scan# 1879

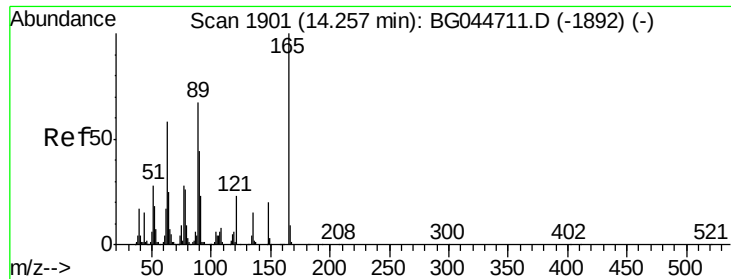
Delta R.T. -0.01 min

Lab File: BG044968.D

Acq: 7 Apr 2020 23:40

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 163   | Resp: | 1046298 |
| Ion      | Ratio | Lower | Upper   |
| 163      | 100   |       |         |
| 194      | 4.4   | 3.7   | 5.5     |
| 164      | 11.5  | 9.1   | 13.7    |





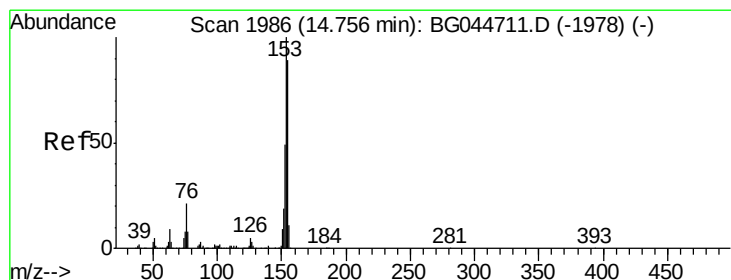
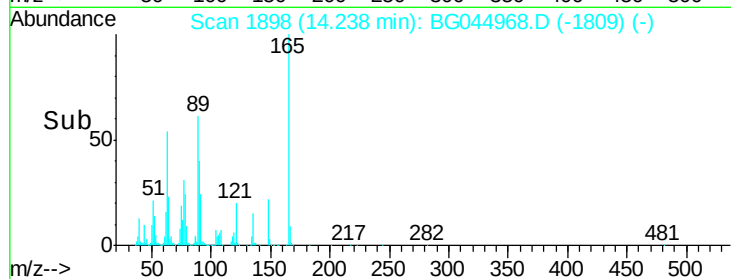
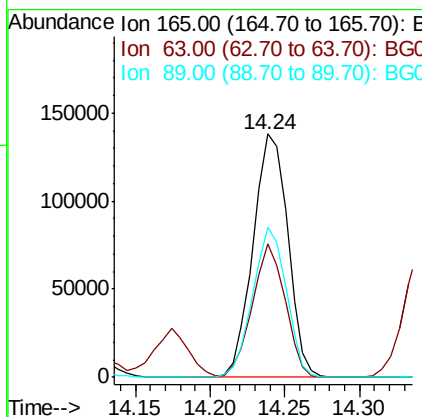
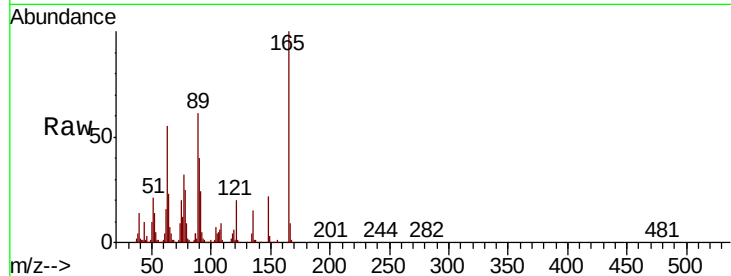
#51  
2,6-Dinitrotoluene  
Concen: 62.496 ng  
RT: 14.24 min Scan# 1898  
Delta R.T. -0.01 min  
Lab File: BG044968.D  
Acq: 7 Apr 2020 23:40

Instrument :  
BNA\_G  
ClientSampleId :  
TR-05-040320MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 54.9  | 45.8  | 68.8  |
| 89      | 61.5  | 51.8  | 77.6  |

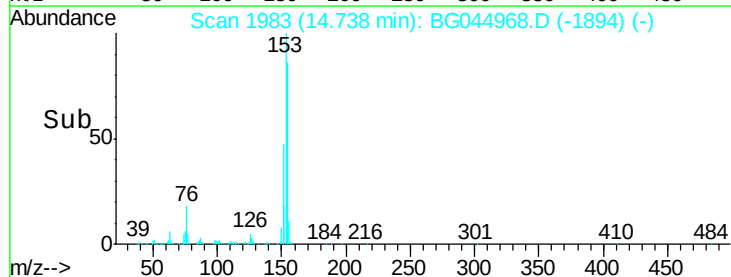
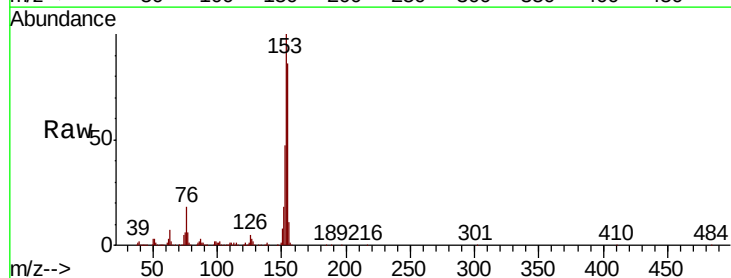
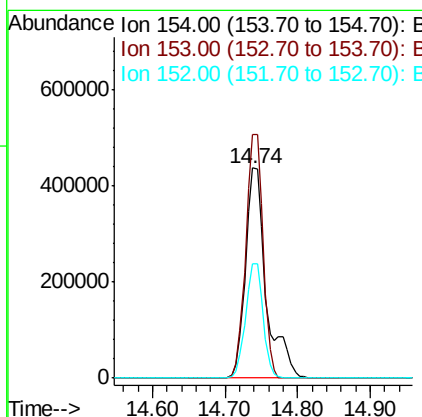
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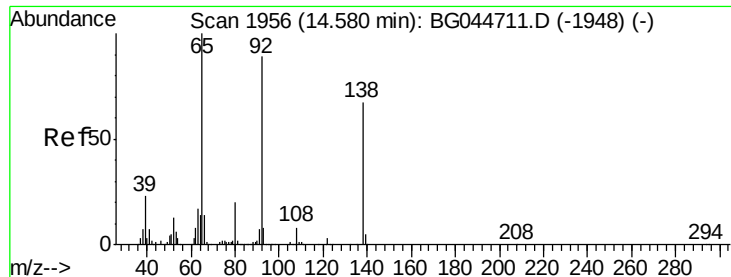
mohammad  
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#52  
Acenaphthene  
Concen: 62.968 ng  
RT: 14.74 min Scan# 1983  
Delta R.T. -0.01 min  
Lab File: BG044968.D  
Acq: 7 Apr 2020 23:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 115.9 | 89.0  | 133.6 |
| 152     | 54.3  | 43.0  | 64.6  |





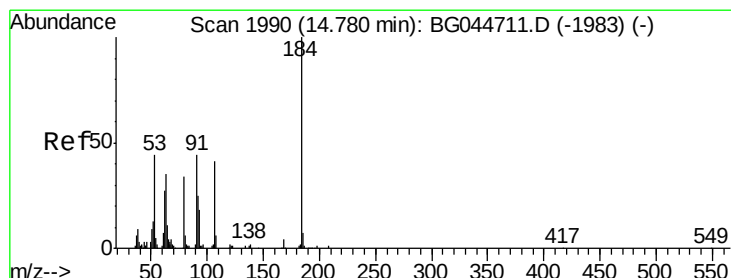
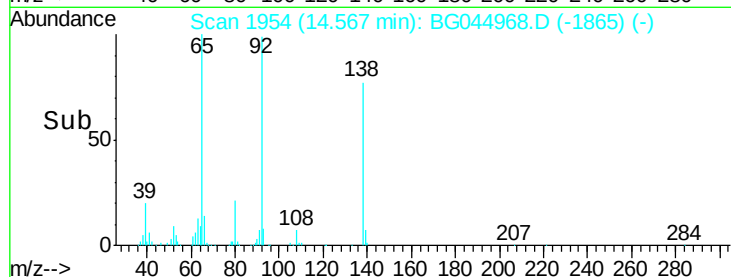
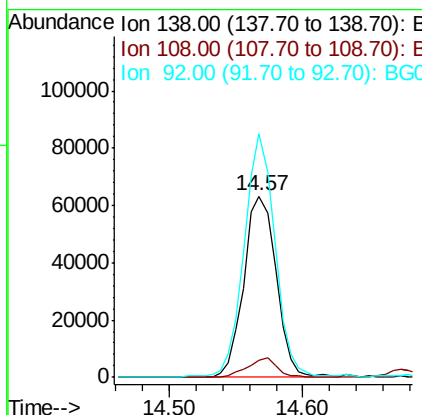
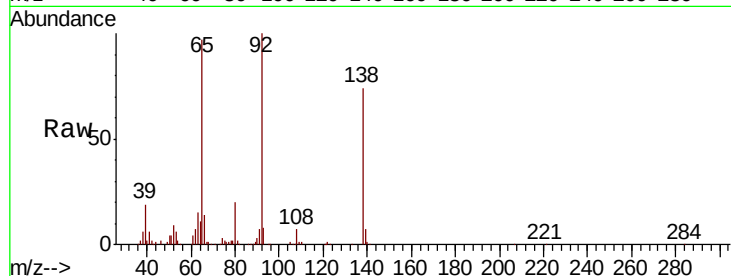
#53  
3-Nitroaniline  
Concen: 25.891 ng  
RT: 14.57 min Scan# 1954  
Delta R.T. -0.01 min  
Lab File: BG044968.D  
Acq: 7 Apr 2020 23:40

Instrument :  
BNA\_G  
ClientSampleId :  
TR-05-040320MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 108     | 9.7   | 9.0   | 13.4  |
| 92      | 134.2 | 96.8  | 145.2 |

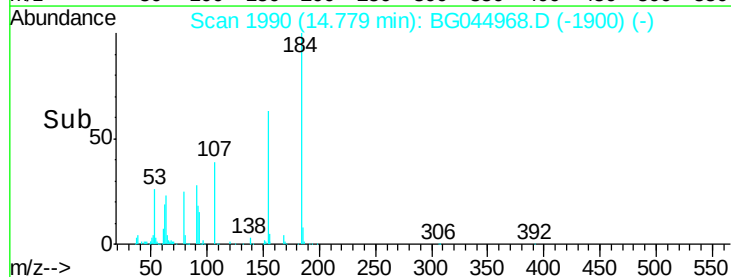
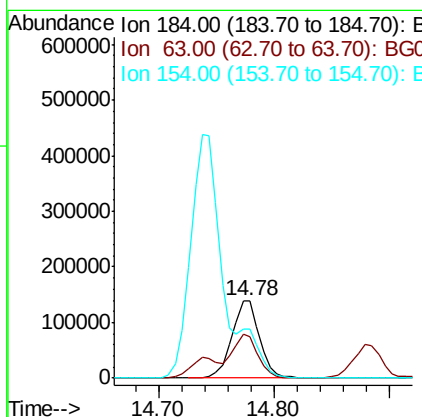
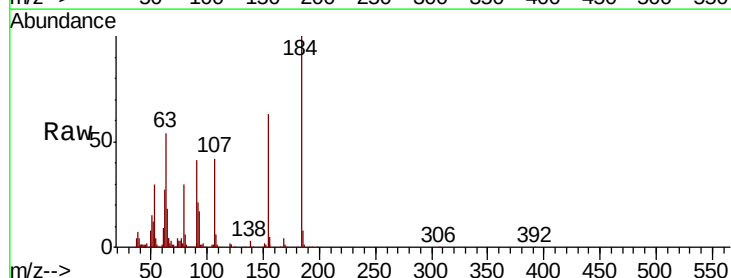
Manual Integrations  
APPROVED

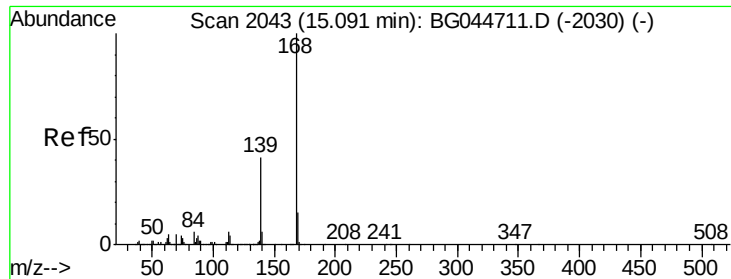
mohammad  
4/8/2020 8:14:09 AM



#54  
2,4-Dinitrophenol  
Concen: 119.077 ng  
RT: 14.78 min Scan# 1990  
Delta R.T. -0.00 min  
Lab File: BG044968.D  
Acq: 7 Apr 2020 23:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 63      | 53.7  | 45.5  | 68.3  |
| 154     | 62.6  | 49.1  | 73.7  |





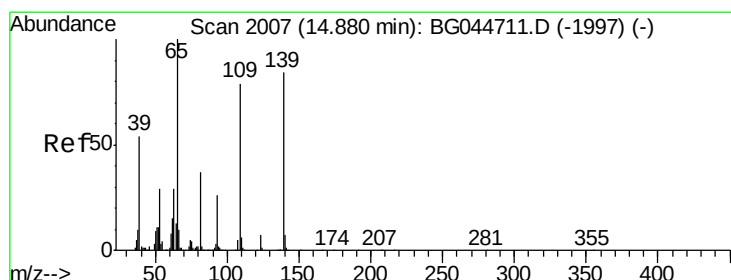
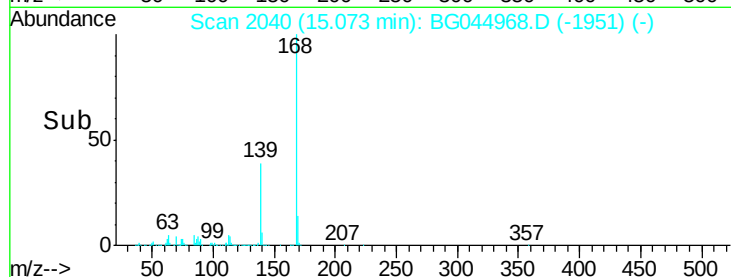
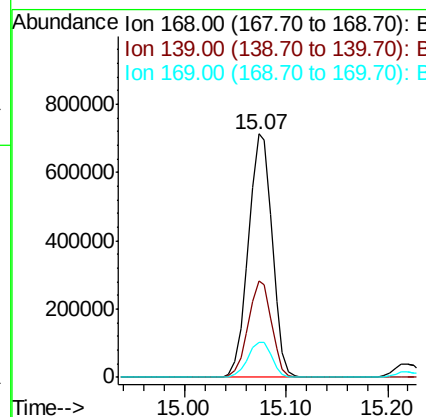
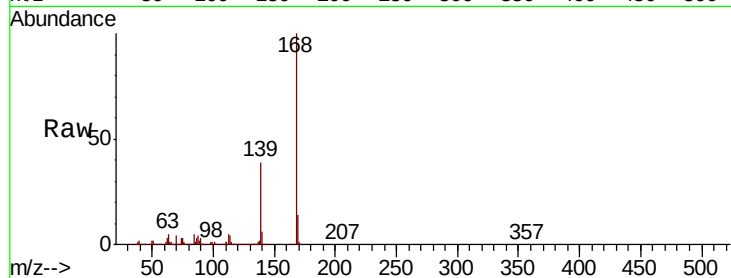
#55  
Dibenzenofuran  
Concen: 57.389 ng  
RT: 15.07 min Scan# 2040  
Delta R.T. -0.01 min  
Lab File: BG044968.D  
Acq: 7 Apr 2020 23:40

Instrument :  
BNA\_G  
ClientSampleId :  
TR-05-040320MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 39.5  | 31.4  | 47.0  |
| 169     | 14.3  | 11.1  | 16.7  |

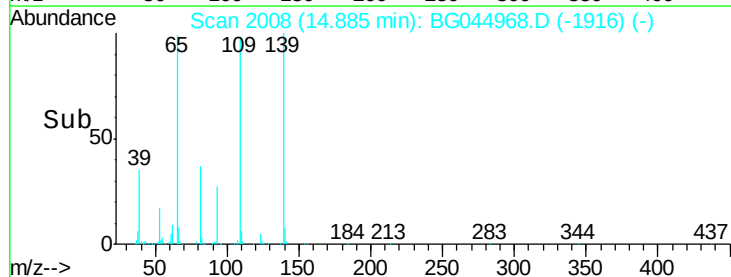
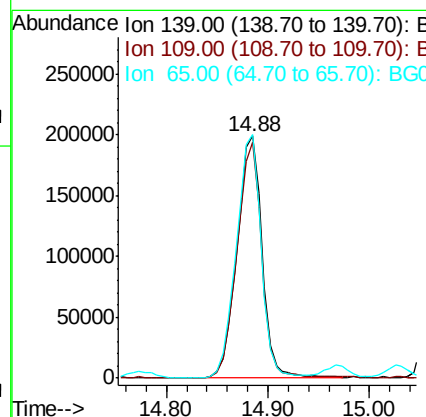
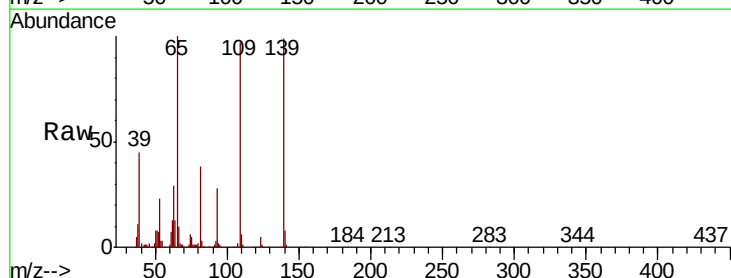
Manual Integrations  
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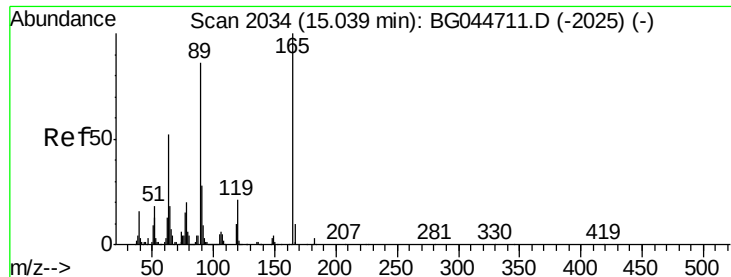


#56  
4-Nitrophenol  
Concen: 109.104 ng  
RT: 14.88 min Scan# 2008  
Delta R.T. 0.01 min  
Lab File: BG044968.D  
Acq: 7 Apr 2020 23:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 97.3  | 68.8  | 108.8 |
| 65      | 100.6 | 92.5  | 132.5 |







#57

2,4-Dinitrotoluene

Concen: 63.319 ng

RT: 15.03 min Scan# 2033

Delta R.T. -0.00 min

Lab File: BG044968.D

Acq: 7 Apr 2020 23:40

Instrument :

BNA\_G

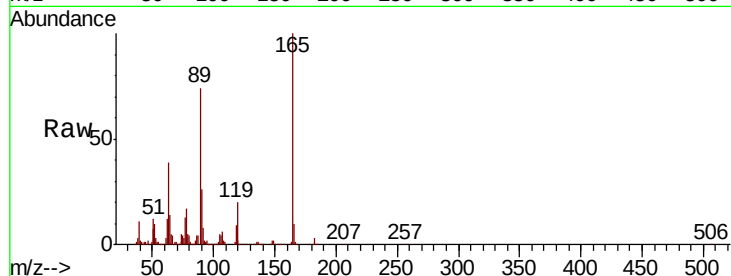
ClientSampleId :

TR-05-040320MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 165   | Resp: | 309369 |
| Ion Ratio | Lower | Upper |        |
| 165       | 100   |       |        |
| 63        | 39.4  | 34.6  | 52.0   |
| 89        | 74.5  | 61.3  | 91.9   |
| 182       | 2.6   | 2.2   | 3.2    |

Manual Integrations  
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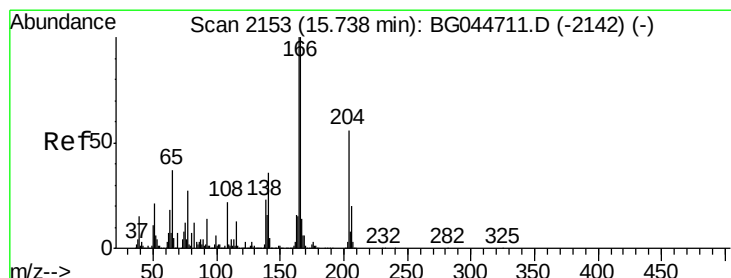
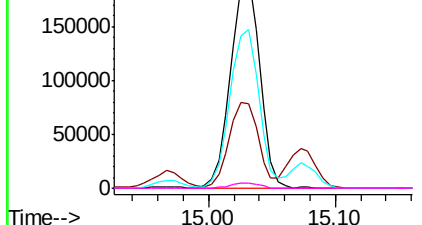
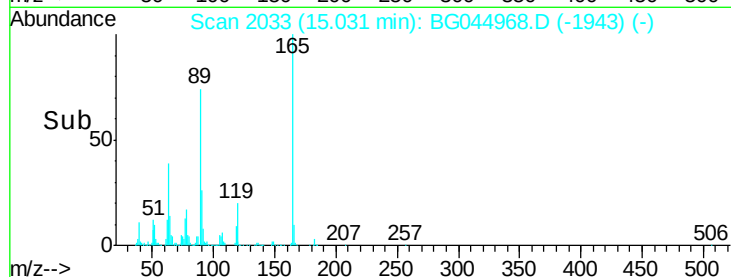


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 89.00 (88.70 to 89.70): BG

Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 57.741 ng

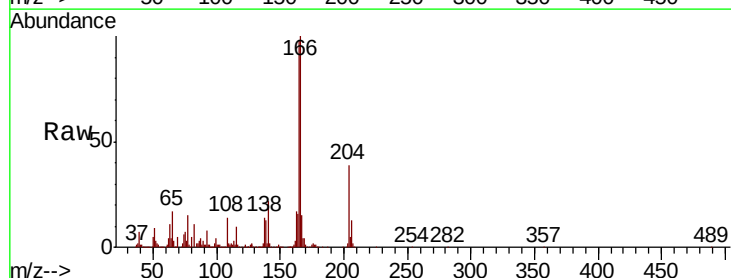
RT: 15.72 min Scan# 2151

Delta R.T. -0.01 min

Lab File: BG044968.D

Acq: 7 Apr 2020 23:40

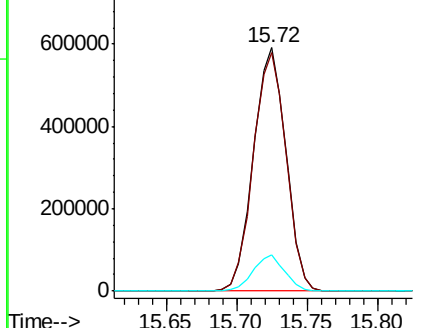
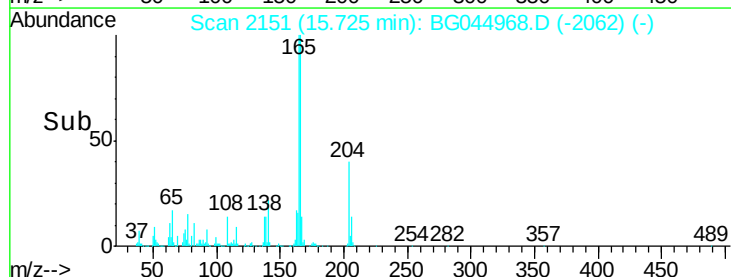
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 166   | Resp: | 957348 |
| Ion Ratio | Lower | Upper |        |
| 166       | 100   |       |        |
| 165       | 98.0  | 79.7  | 119.5  |
| 167       | 14.7  | 10.6  | 16.0   |

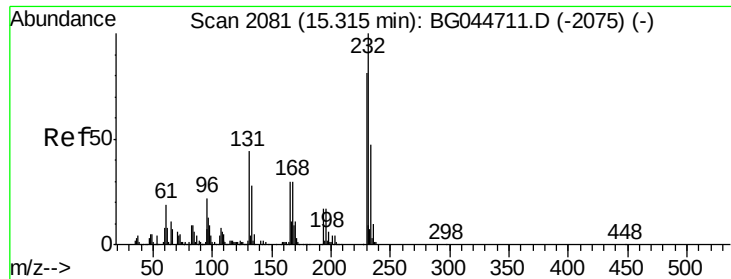


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





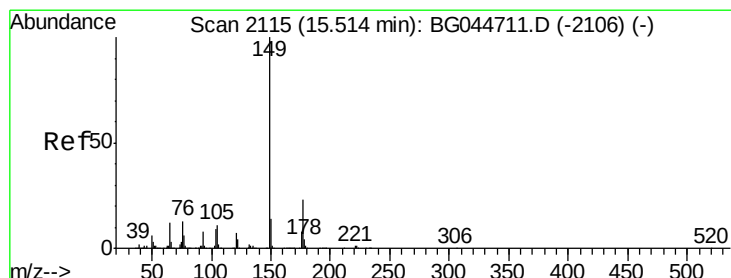
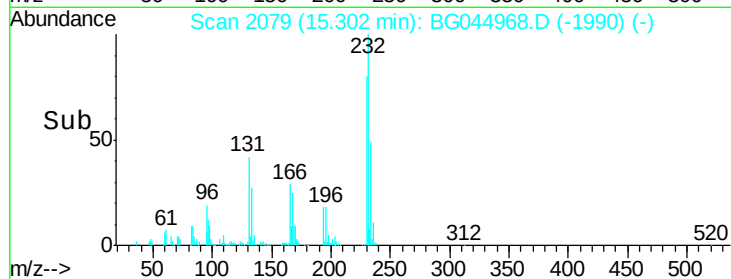
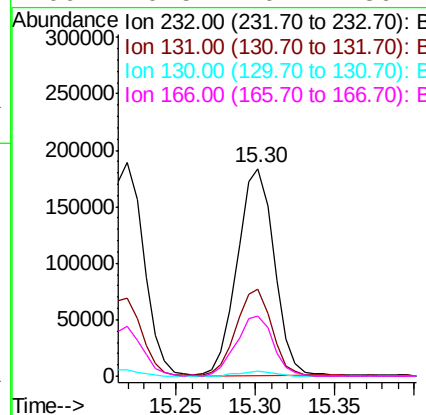
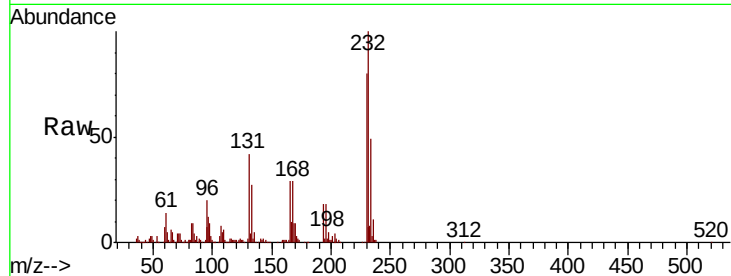
#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 63.701 ng  
 RT: 15.30 min Scan# 2079  
 Delta R.T. -0.01 min  
 Lab File: BG044968.D  
 Acq: 7 Apr 2020 23:40

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TR-05-040320MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 232     | 100   | 294985 |       |       |
| 131     | 41.2  |        | 31.8  | 47.8  |
| 130     | 2.5   |        | 2.2   | 3.2   |
| 166     | 29.5  |        | 20.2  | 30.2  |

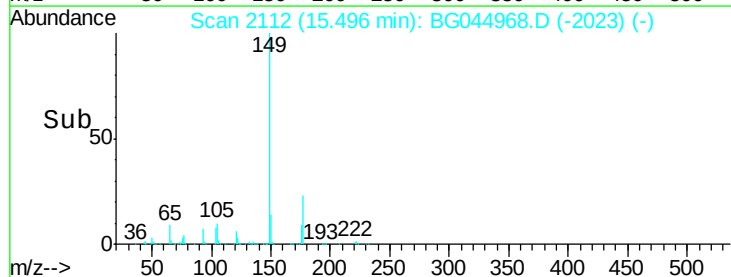
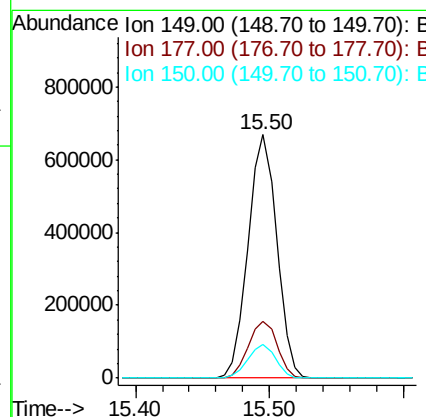
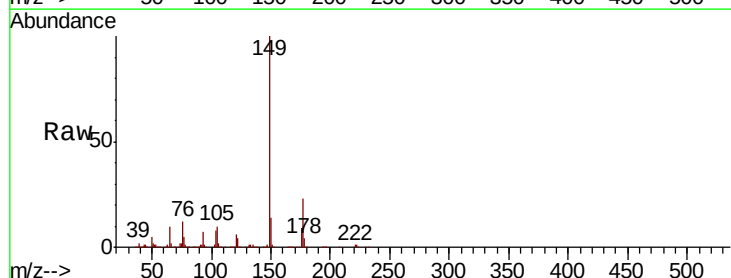
Manual Integrations  
 APPROVED

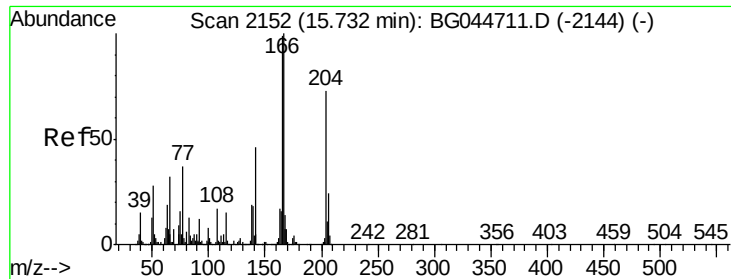
mohammad  
 4/8/2020 8:14:09 AM



#60  
 Diethylphthalate  
 Concen: 53.648 ng  
 RT: 15.50 min Scan# 2112  
 Delta R.T. -0.01 min  
 Lab File: BG044968.D  
 Acq: 7 Apr 2020 23:40

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 988937 |       |       |
| 177     | 23.4  |        | 19.3  | 28.9  |
| 150     | 13.8  |        | 11.0  | 16.6  |





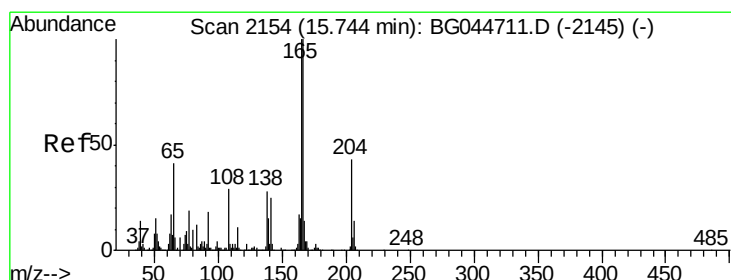
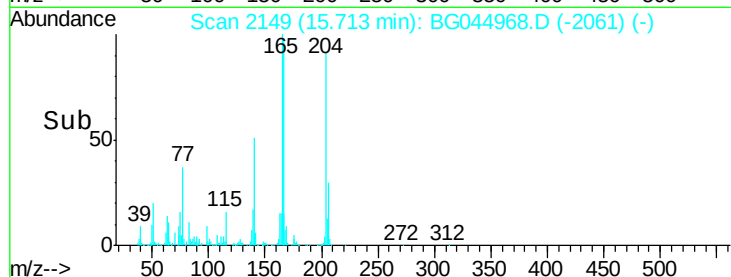
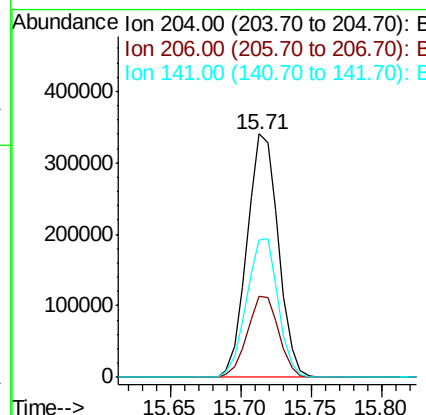
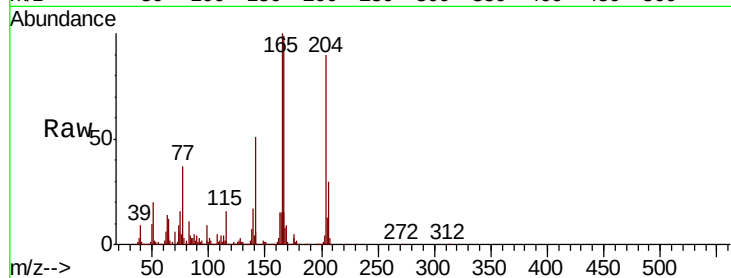
#61  
4-Chlorophenyl-phenylether  
Concen: 59.189 ng  
RT: 15.71 min Scan# 2149  
Delta R.T. -0.01 min  
Lab File: BG044968.D  
Acq: 7 Apr 2020 23:40

Instrument :  
BNA\_G  
ClientSampleId :  
TR-05-040320MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 33.5  | 26.2  | 39.2  |
| 141     | 56.3  | 47.7  | 71.5  |

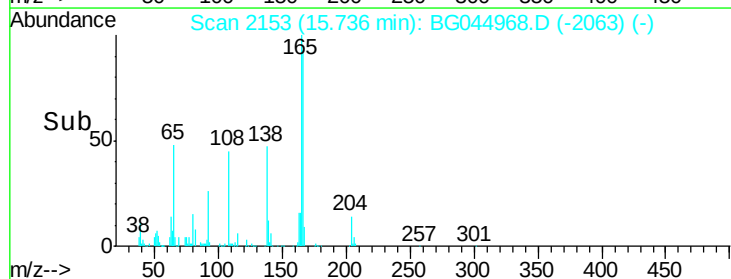
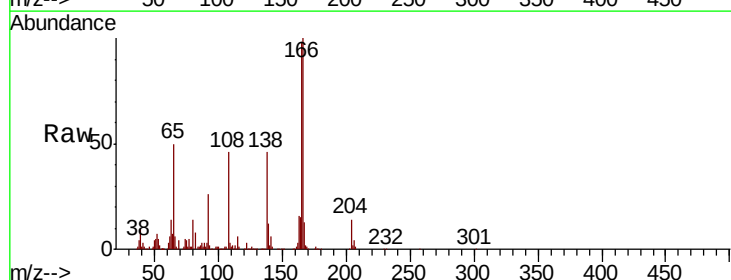
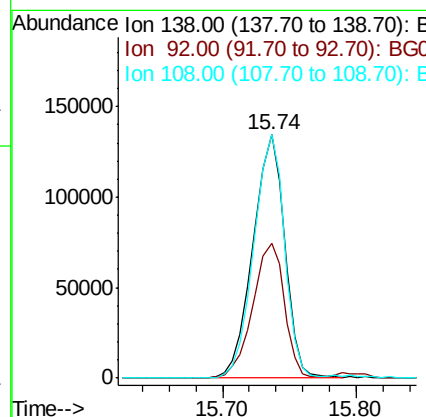
Manual Integrations  
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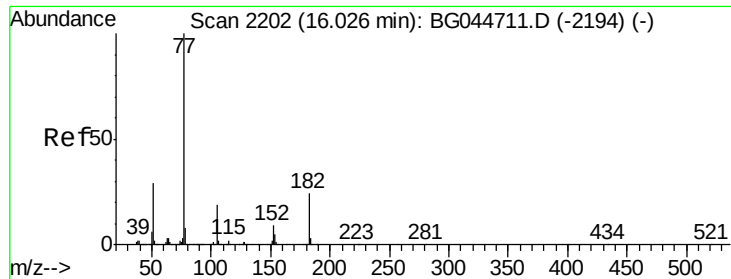
mohammad  
4/8/2020 8:14:09 AM



#62  
4-Nitroaniline  
Concen: 50.435 ng  
RT: 15.74 min Scan# 2153  
Delta R.T. -0.00 min  
Lab File: BG044968.D  
Acq: 7 Apr 2020 23:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 55.7  | 34.5  | 74.5  |
| 108     | 100.1 | 74.5  | 114.5 |





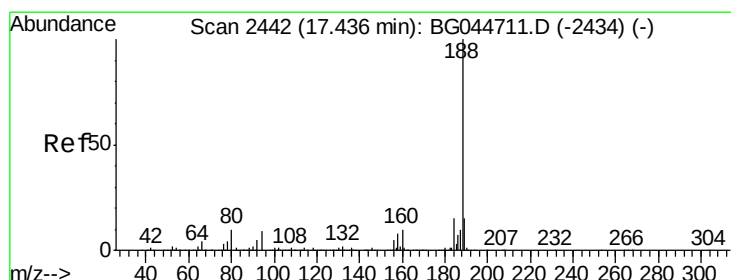
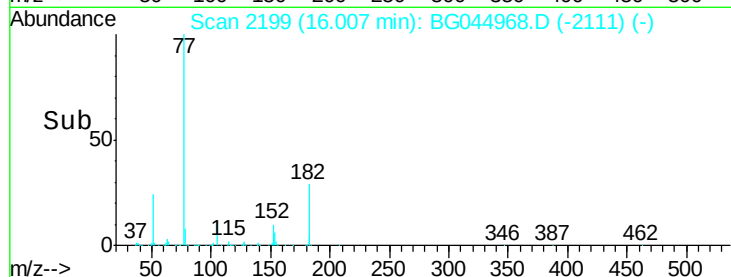
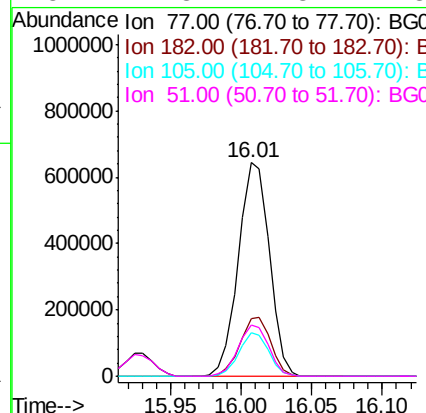
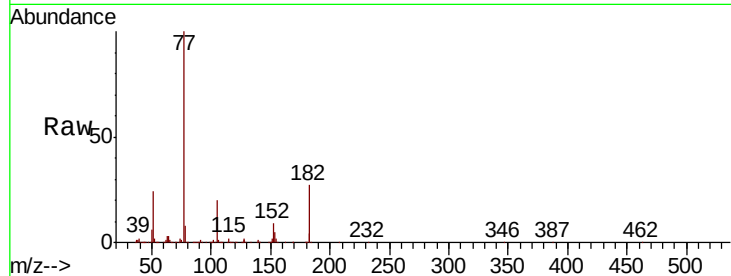
#63  
Azobenzene  
Concen: 51.627 ng  
RT: 16.01 min Scan# 2199  
Delta R.T. -0.01 min  
Lab File: BG044968.D  
Acq: 7 Apr 2020 23:40

Instrument :  
BNA\_G  
ClientSampleId :  
TR-05-040320MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 182     | 27.3  | 6.4   | 46.4  |
| 105     | 20.1  | 0.0   | 39.1  |
| 51      | 24.3  | 7.3   | 47.3  |

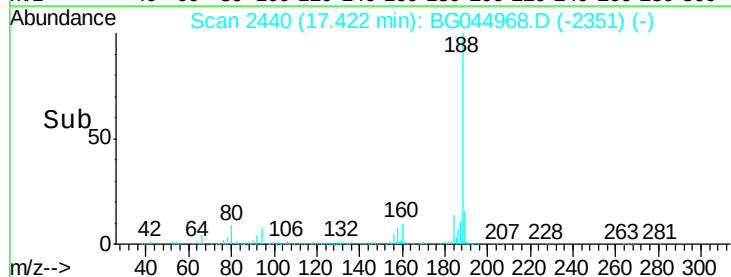
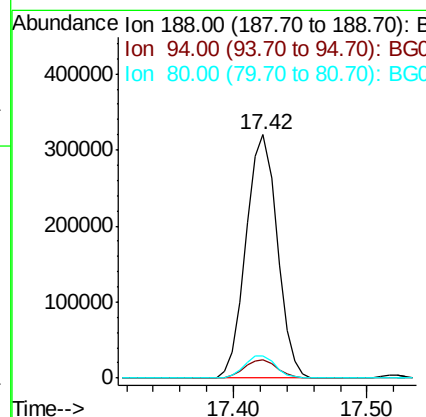
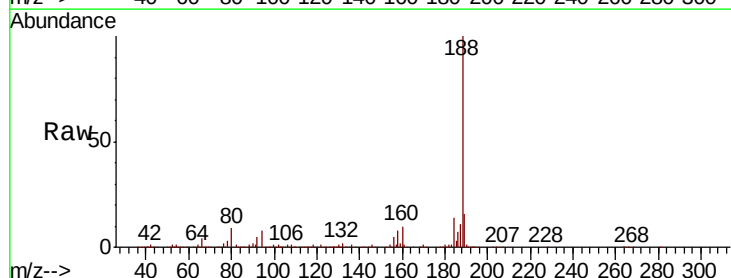
Manual Integrations  
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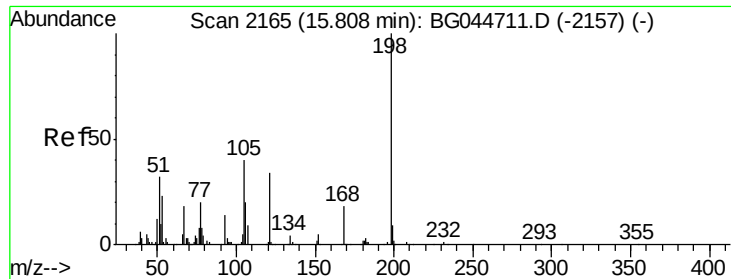
mohammad  
4/8/2020 8:14:09 AM



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.42 min Scan# 2440  
Delta R.T. -0.01 min  
Lab File: BG044968.D  
Acq: 7 Apr 2020 23:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 7.7   | 7.3   | 10.9  |
| 80      | 9.3   | 8.0   | 12.0  |





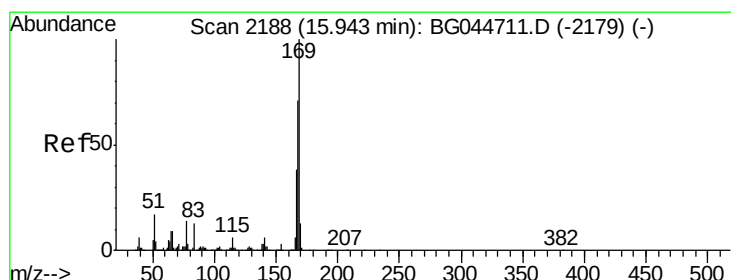
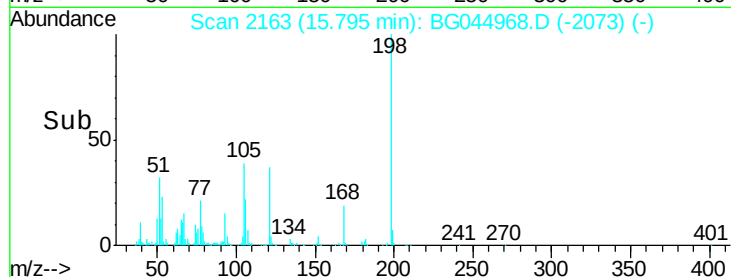
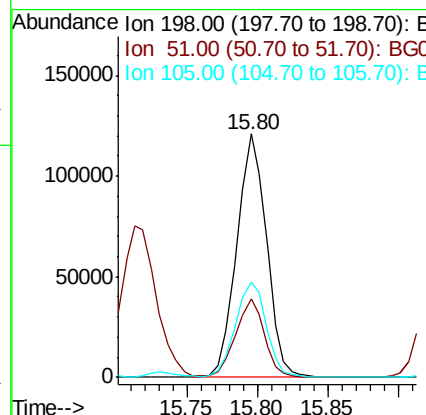
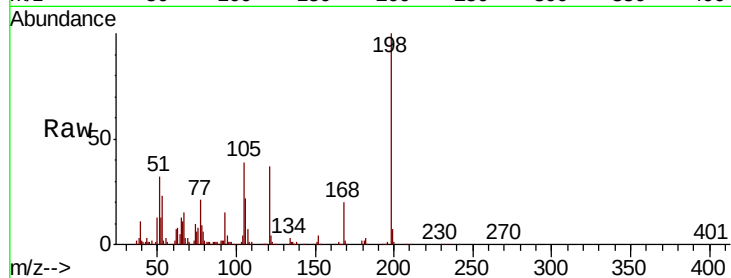
#65  
4,6-Dinitro-2-methylphenol  
Concen: 69.133 ng  
RT: 15.80 min Scan# 2163  
Delta R.T. -0.00 min  
Lab File: BG044968.D  
Acq: 7 Apr 2020 23:40

Instrument :  
BNA\_G  
ClientSampleId :  
TR-05-040320MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 198     | 100   | 177902 |       |       |
| 51      | 32.0  |        | 21.1  | 61.1  |
| 105     | 38.9  |        | 24.5  | 64.5  |

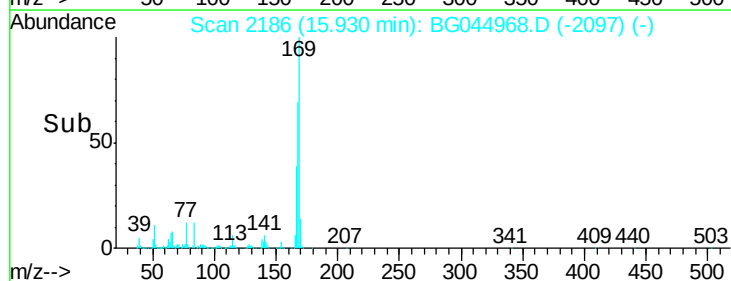
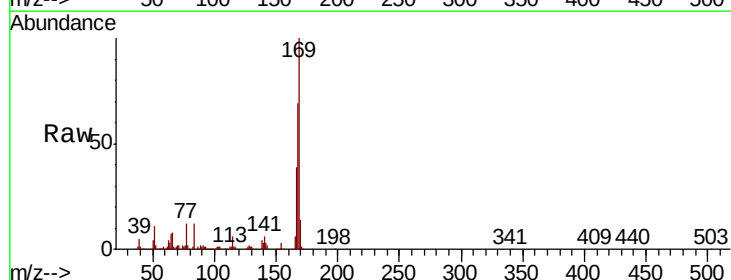
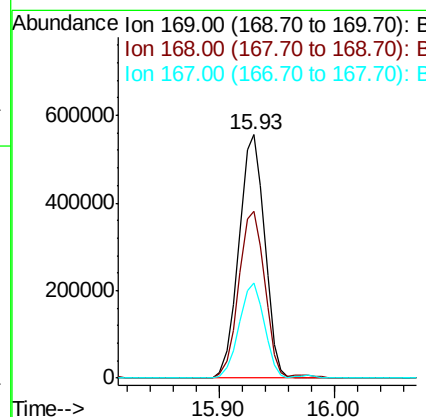
Manual Integrations  
APPROVED

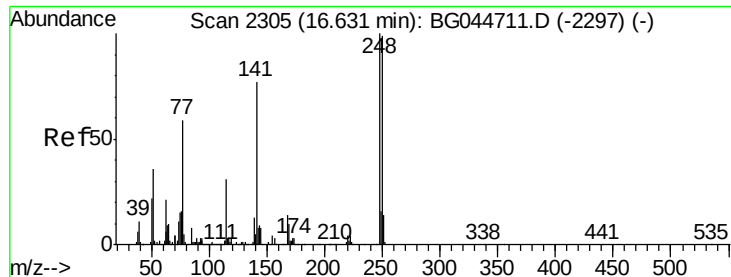
mohammad  
4/8/2020 8:14:09 AM



#66  
n-Nitrosodiphenylamine  
Concen: 55.034 ng  
RT: 15.93 min Scan# 2186  
Delta R.T. -0.01 min  
Lab File: BG044968.D  
Acq: 7 Apr 2020 23:40

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 169     | 100   | 855857 |       |       |
| 168     | 68.7  |        | 55.4  | 83.2  |
| 167     | 38.9  |        | 30.1  | 45.1  |





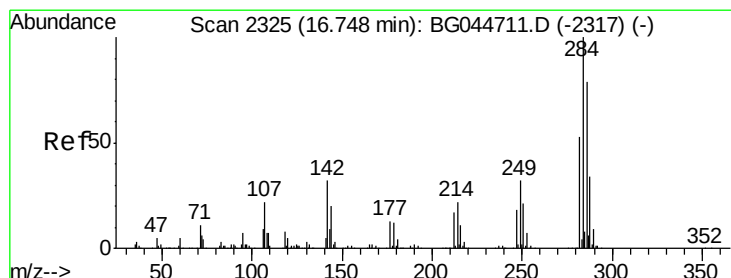
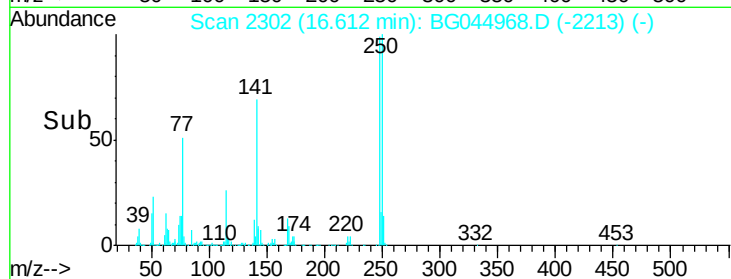
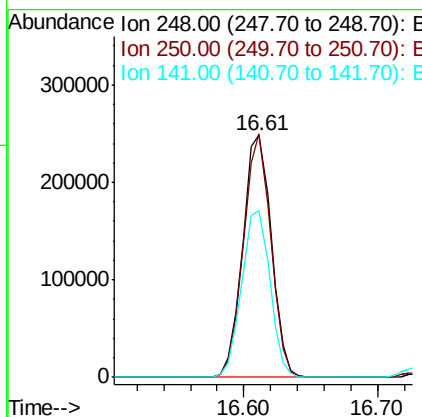
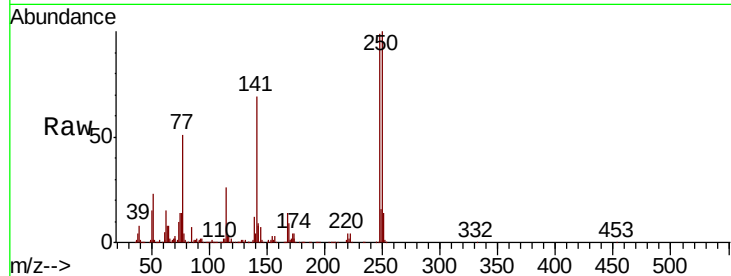
#67  
 4-Bromophenyl-phenylether  
 Concen: 56.836 ng  
 RT: 16.61 min Scan# 2302  
 Delta R.T. -0.01 min  
 Lab File: BG044968.D  
 Acq: 7 Apr 2020 23:40

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TR-05-040320MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 248   | Resp: | 367018 |
| Ion Ratio | Lower | Upper |        |
| 248       | 100   |       |        |
| 250       | 100.5 | 77.9  | 116.9  |
| 141       | 69.0  | 57.5  | 86.3   |

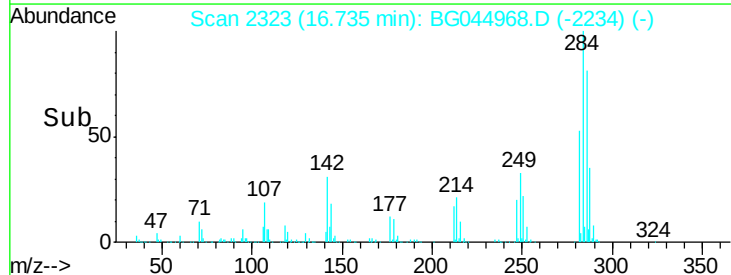
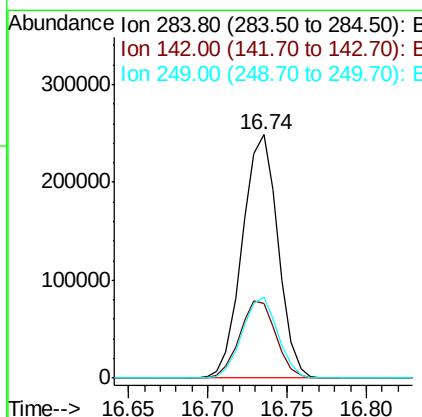
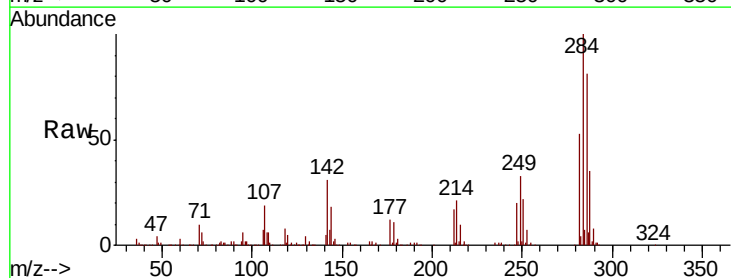
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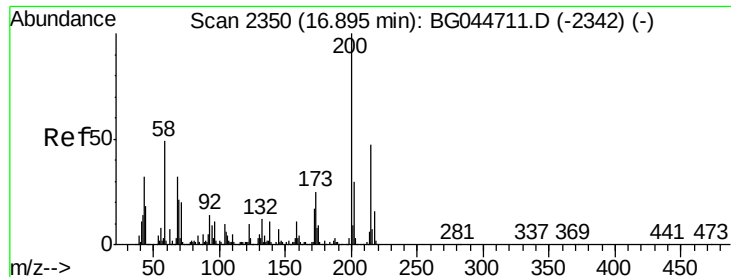
mohammad  
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#68  
 Hexachlorobenzene  
 Concen: 55.368 ng  
 RT: 16.74 min Scan# 2323  
 Delta R.T. -0.01 min  
 Lab File: BG044968.D  
 Acq: 7 Apr 2020 23:40

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 284   | Resp: | 387885 |
| Ion Ratio | Lower | Upper |        |
| 284       | 100   |       |        |
| 142       | 30.7  | 25.0  | 37.6   |
| 249       | 33.5  | 25.8  | 38.8   |





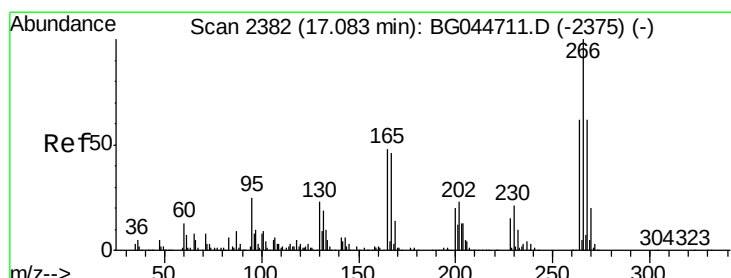
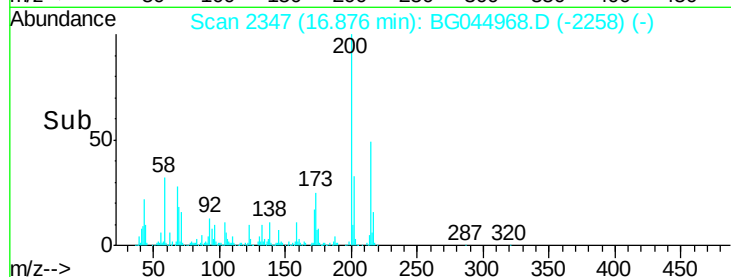
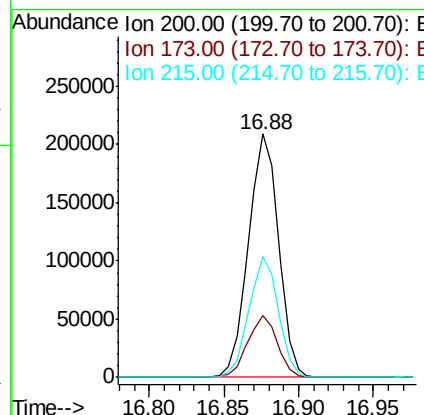
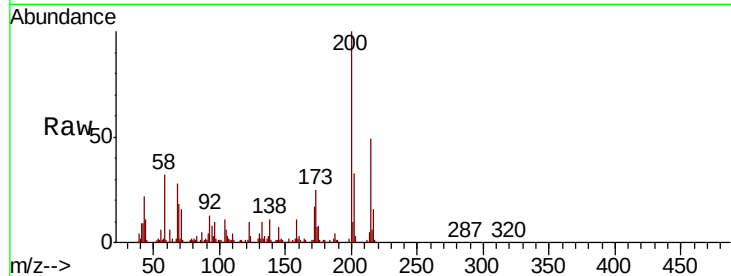
#69  
Atrazine  
Concen: 51.013 ng  
RT: 16.88 min Scan# 2347  
Delta R.T. -0.01 min  
Lab File: BG044968.D  
Acq: 7 Apr 2020 23:40

Instrument :  
BNA\_G  
ClientSampleId :  
TR-05-040320MS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 200     | 100   |            |       |
| 173     | 25.4  | 5.3        | 45.3  |
| 215     | 49.5  | 28.9       | 68.9  |

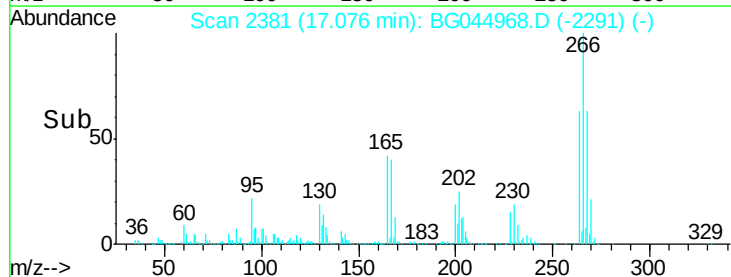
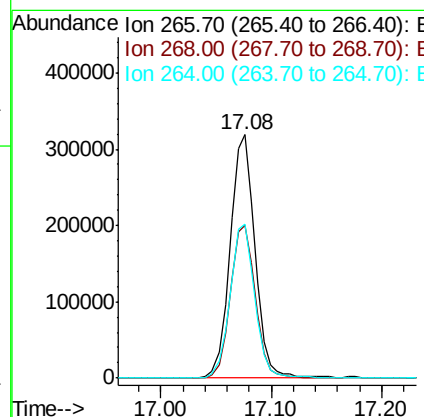
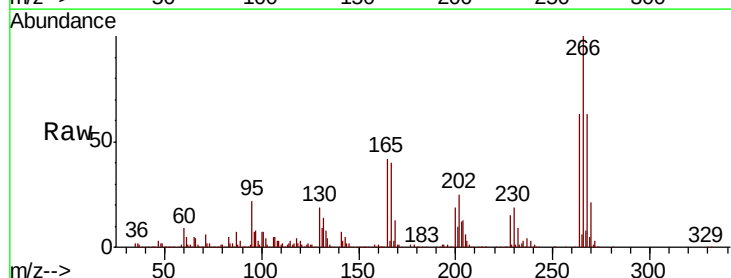
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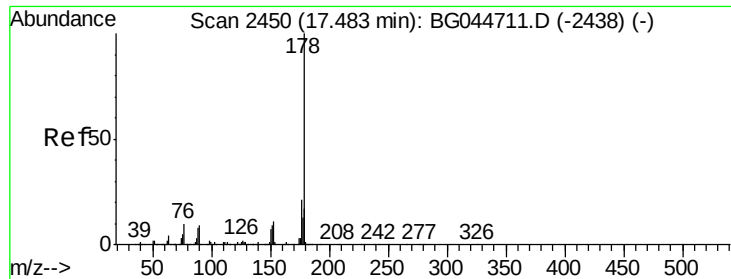
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#70  
Pentachlorophenol  
Concen: 130.802 ng  
RT: 17.08 min Scan# 2381  
Delta R.T. -0.00 min  
Lab File: BG044968.D  
Acq: 7 Apr 2020 23:40

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 266     | 100   |            |       |
| 268     | 62.7  | 50.3       | 75.5  |
| 264     | 63.1  | 51.4       | 77.2  |





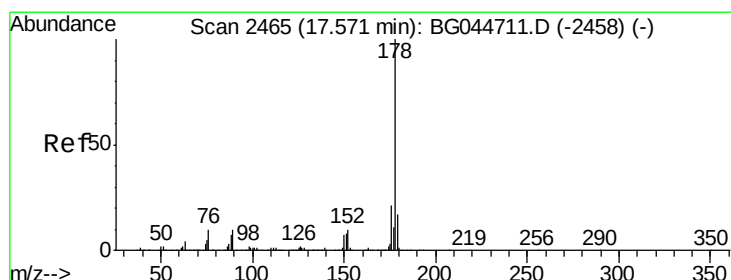
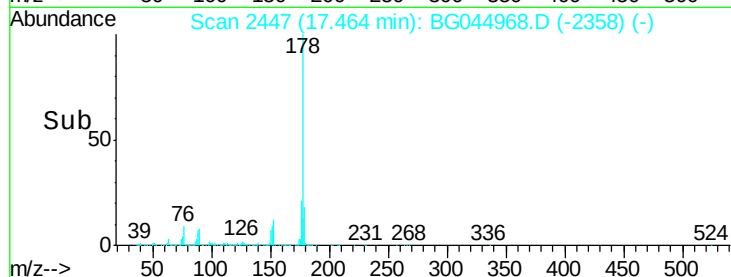
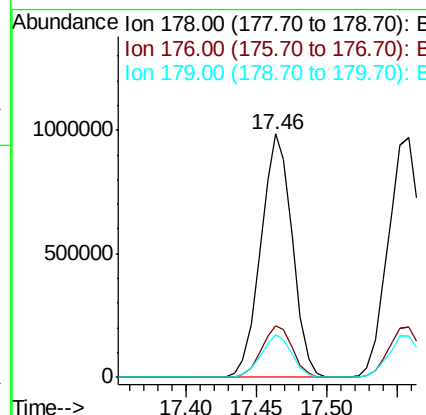
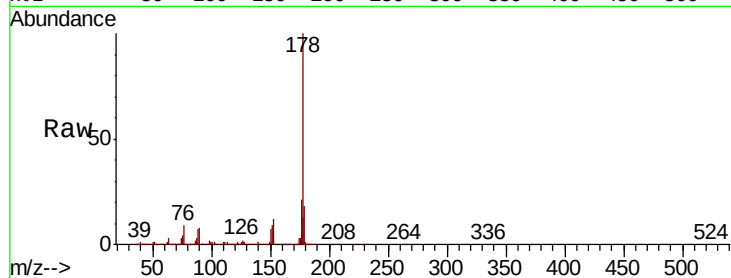
#71  
Phenanthrene  
Concen: 55.718 ng  
RT: 17.46 min Scan# 2447  
Delta R.T. -0.01 min  
Lab File: BG044968.D  
Acq: 7 Apr 2020 23:40

Instrument :  
BNA\_G  
ClientSampleId :  
TR-05-040320MS

Tot Ion:178 Resp: 1537985  
Ion Ratio Lower Upper  
178 100  
176 21.0 16.6 24.8  
179 17.8 13.5 20.3

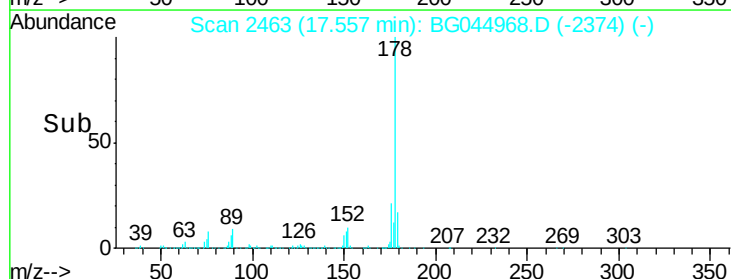
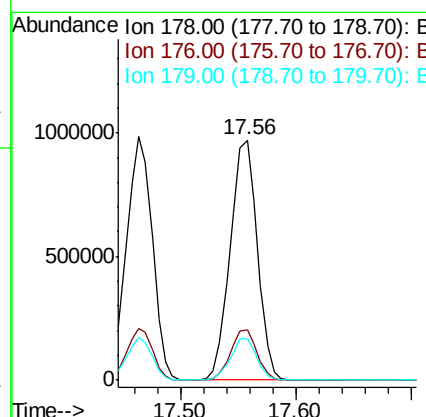
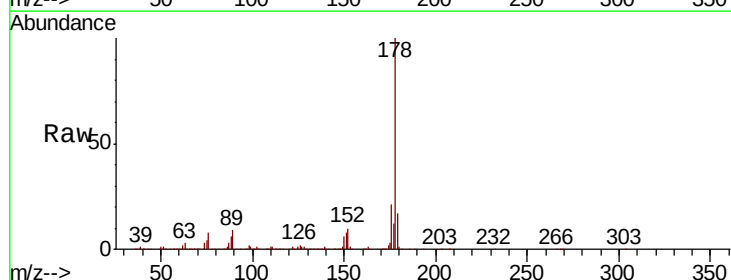
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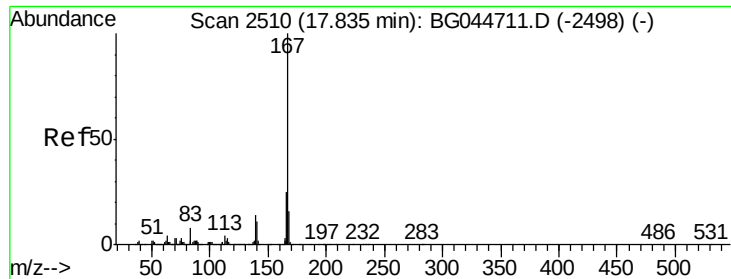


#72  
Anthracene  
Concen: 58.004 ng  
RT: 17.56 min Scan# 2463  
Delta R.T. -0.01 min  
Lab File: BG044968.D  
Acq: 7 Apr 2020 23:40

Tgt Ion:178 Resp: 1578751  
Ion Ratio Lower Upper  
178 100  
176 21.2 15.9 23.9  
179 17.4 13.2 19.8







#73

Carbazole

Concen: 57.012 ng

RT: 17.82 min Scan# 2508

Delta R.T. -0.00 min

Lab File: BG044968.D

Acq: 7 Apr 2020 23:40

Instrument :

BNA\_G

ClientSampleId :

TR-05-040320MS

Tot Ion:167 Resp: 1490584

Ion Ratio Lower Upper

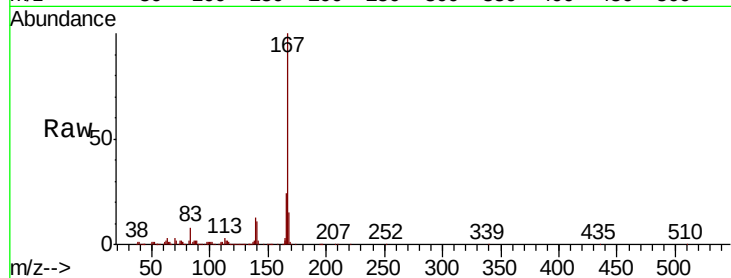
167 100

166 24.2 18.8 28.2

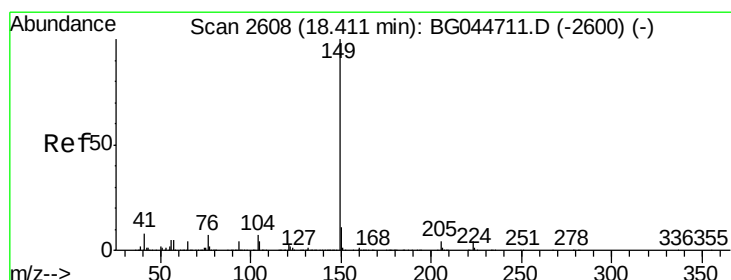
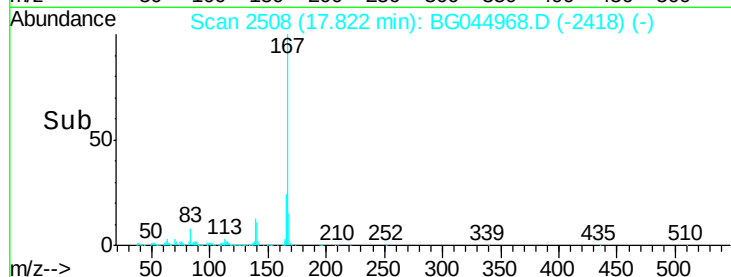
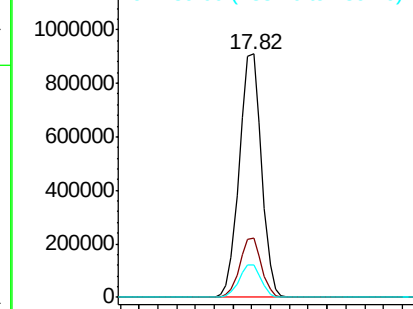
139 13.4 10.8 16.2

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Abundance Ion 167.00 (166.70 to 167.70): E  
Ion 166.00 (165.70 to 166.70): E  
Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 53.877 ng

RT: 18.39 min Scan# 2604

Delta R.T. -0.01 min

Lab File: BG044968.D

Acq: 7 Apr 2020 23:40

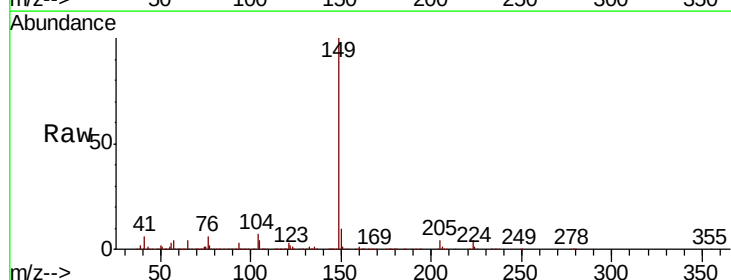
Tgt Ion:149 Resp: 1712326

Ion Ratio Lower Upper

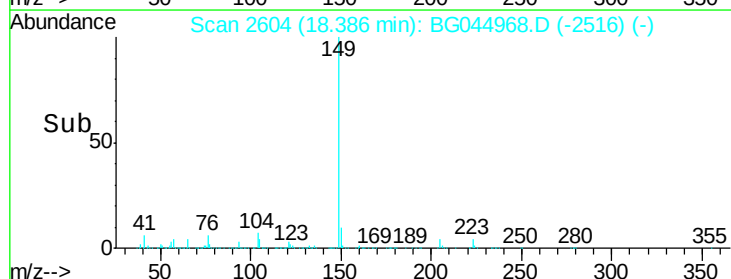
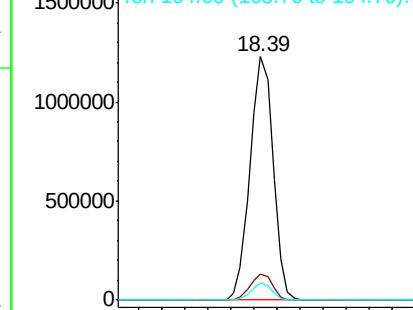
149 100

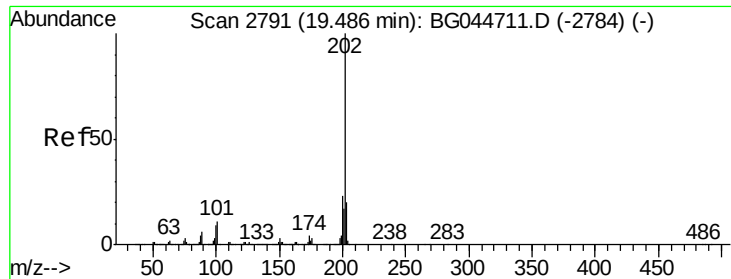
150 10.5 8.1 12.1

104 6.9 5.0 7.4



Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 58.880 ng

RT: 19.47 min Scan# 2789

Delta R.T. -0.01 min

Lab File: BG044968.D

Acq: 7 Apr 2020 23:40

Instrument :

BNA\_G

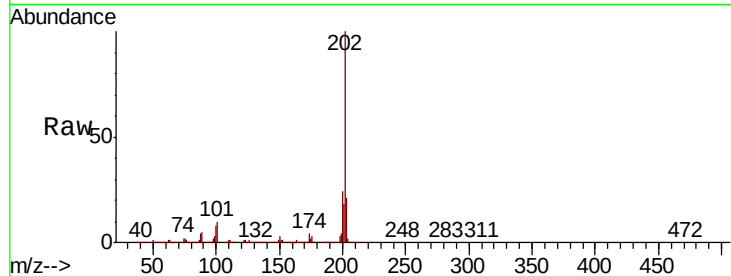
ClientSampleId :

TR-05-040320MS

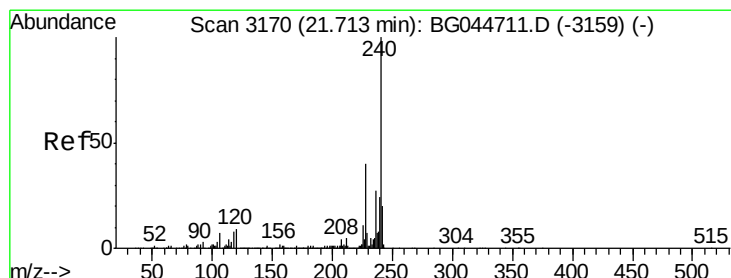
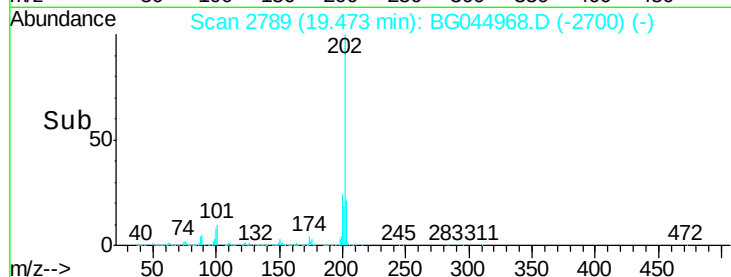
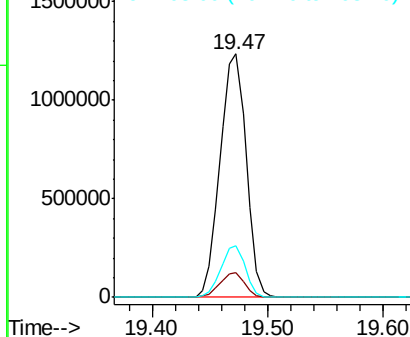
|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 202   | Resp: | 1935149 |
| Ion      | Ratio | Lower | Upper   |
| 202      | 100   |       |         |
| 101      | 9.9   | 0.0   | 29.8    |
| 203      | 21.1  | 0.0   | 39.4    |

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Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 101.00 (100.70 to 101.70): E  
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

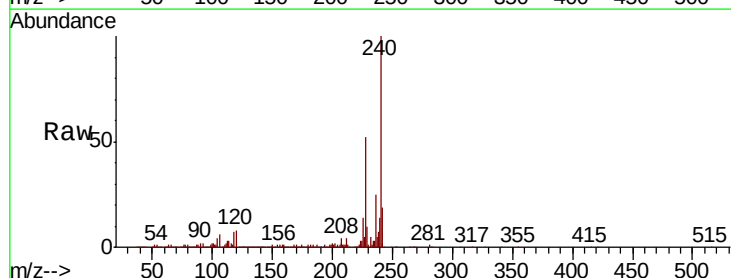
RT: 21.69 min Scan# 3167

Delta R.T. -0.01 min

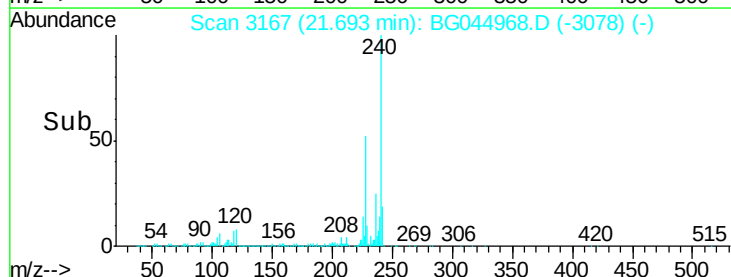
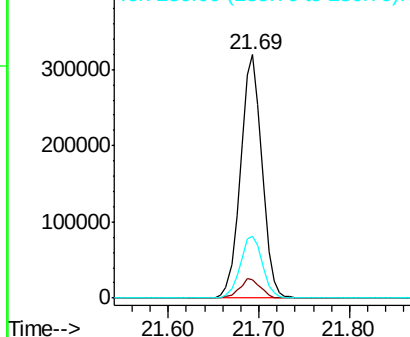
Lab File: BG044968.D

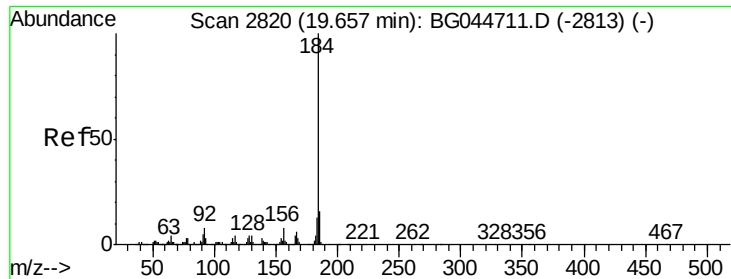
Acq: 7 Apr 2020 23:40

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 240   | Resp: | 522810 |
| Ion      | Ratio | Lower | Upper  |
| 240      | 100   |       |        |
| 120      | 7.6   | 6.7   | 10.1   |
| 236      | 25.5  | 21.5  | 32.3   |



Abundance Ion 240.00 (239.70 to 240.70): E  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 26.779 ng

RT: 19.64 min Scan# 2818

Delta R.T. -0.01 min

Lab File: BG044968.D

Acq: 7 Apr 2020 23:40

Instrument :

BNA\_G

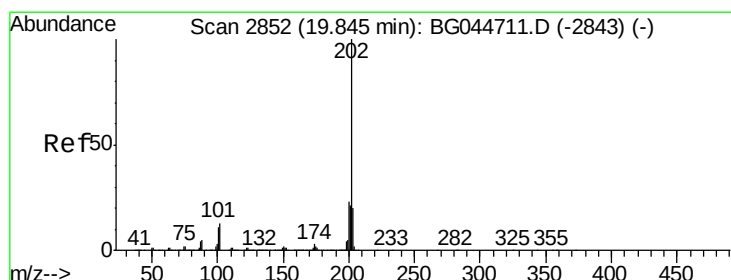
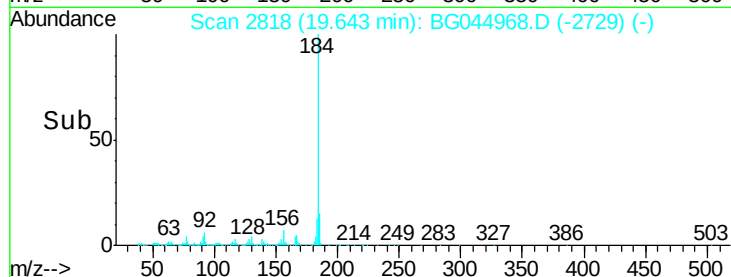
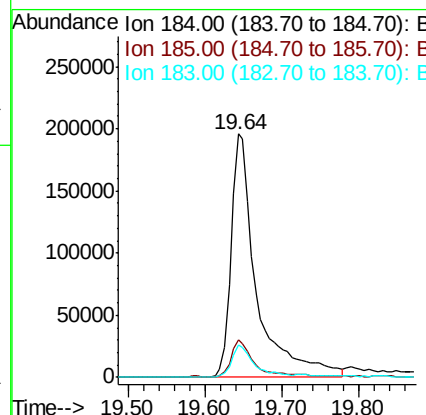
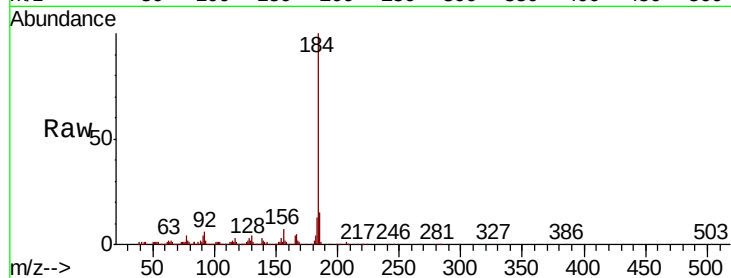
ClientSampleId :

TR-05-040320MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 184   | Resp: | 454513 |
| Ion Ratio | Lower | Upper |        |
| 184       | 100   |       |        |
| 185       | 15.4  | 12.2  | 18.4   |
| 183       | 13.1  | 10.7  | 16.1   |

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#78

Pyrene

Concen: 49.765 ng

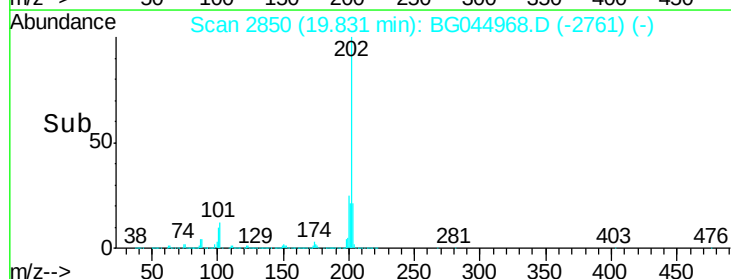
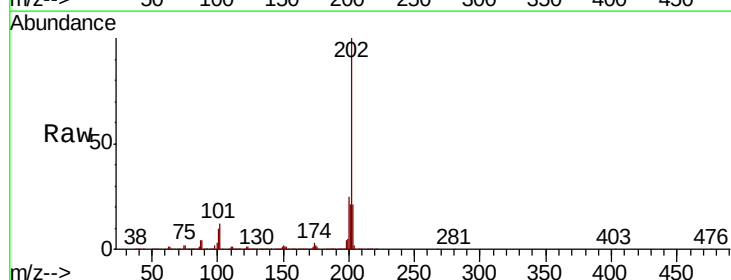
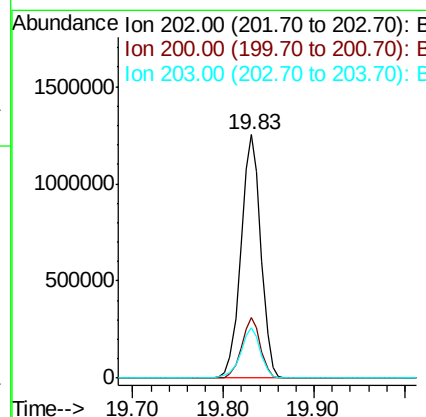
RT: 19.83 min Scan# 2850

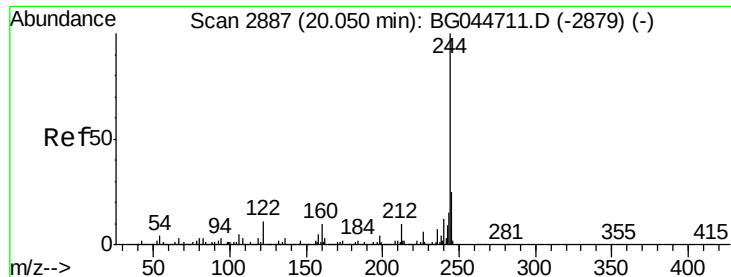
Delta R.T. -0.01 min

Lab File: BG044968.D

Acq: 7 Apr 2020 23:40

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 202   | Resp: | 1908841 |
| Ion Ratio | Lower | Upper |         |
| 202       | 100   |       |         |
| 200       | 25.0  | 18.3  | 27.5    |
| 203       | 20.9  | 15.6  | 23.4    |





#79

Terphenyl-d14

Concen: 96.003 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.01 min

Lab File: BG044968.D

Acq: 7 Apr 2020 23:40

Instrument :

BNA\_G

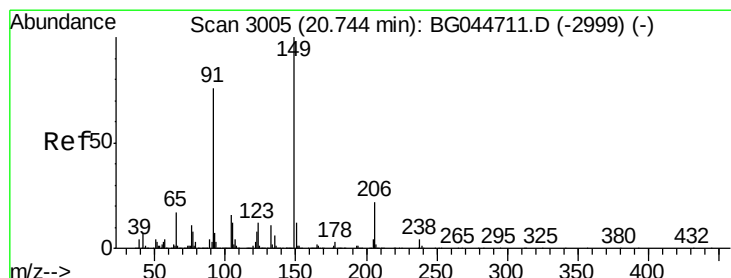
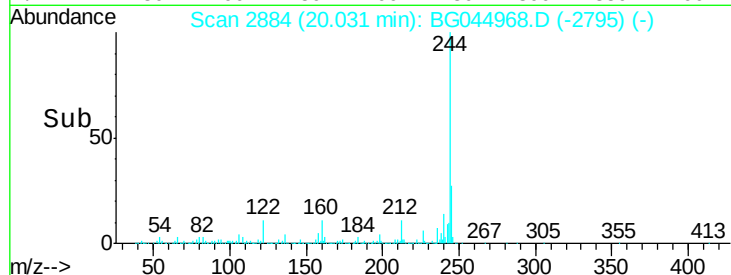
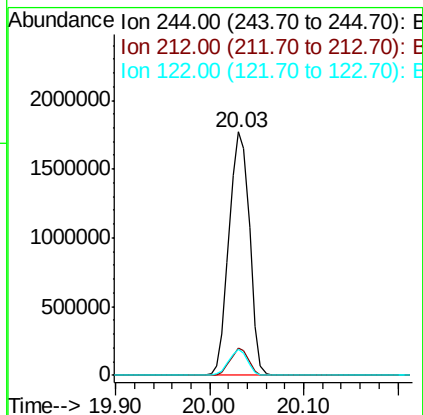
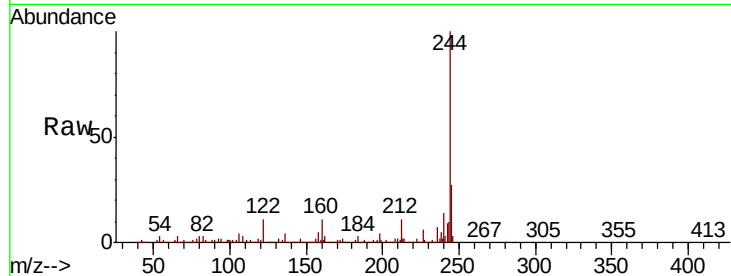
ClientSampleId :

TR-05-040320MS

|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 244   | Resp: | 2683233 |
| Ion      | Ratio | Lower | Upper   |
| 244      | 100   |       |         |
| 212      | 11.0  | 7.7   | 11.5    |
| 122      | 10.8  | 8.6   | 12.8    |

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#80

Butylbenzylphthalate

Concen: 48.992 ng

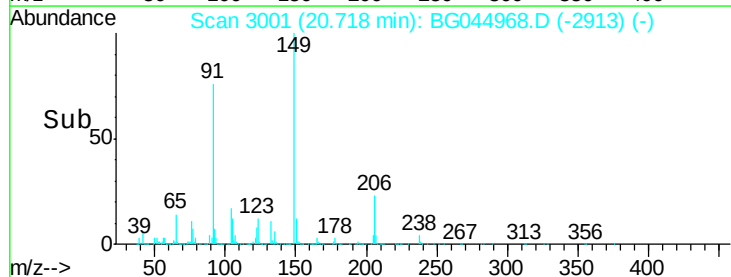
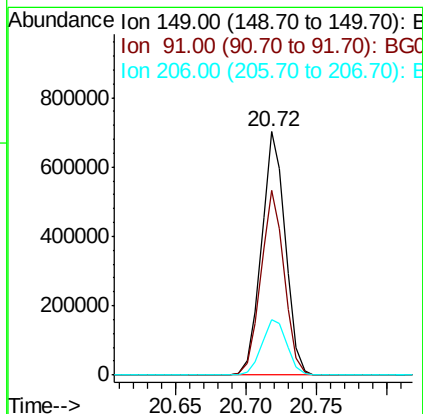
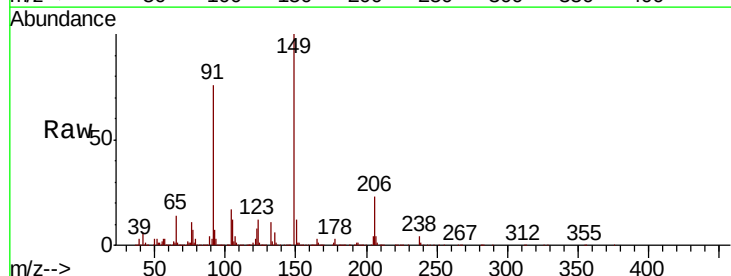
RT: 20.72 min Scan# 3001

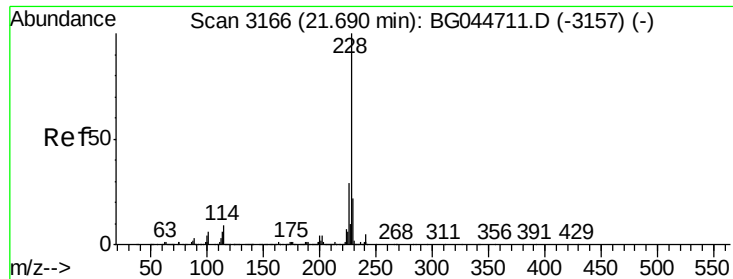
Delta R.T. -0.01 min

Lab File: BG044968.D

Acq: 7 Apr 2020 23:40

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 149   | Resp: | 836003 |
| Ion      | Ratio | Lower | Upper  |
| 149      | 100   |       |        |
| 91       | 75.8  | 60.2  | 90.4   |
| 206      | 22.7  | 18.6  | 27.8   |





#81

Benzo(a)anthracene

Concen: 50.635 ng

RT: 21.67 min Scan# 3163

Delta R.T. -0.01 min

Lab File: BG044968.D

Acq: 7 Apr 2020 23:40

Instrument :

BNA\_G

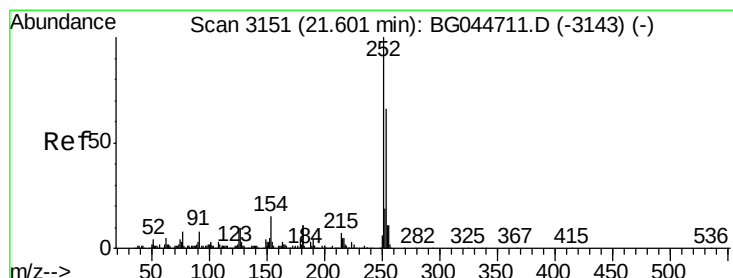
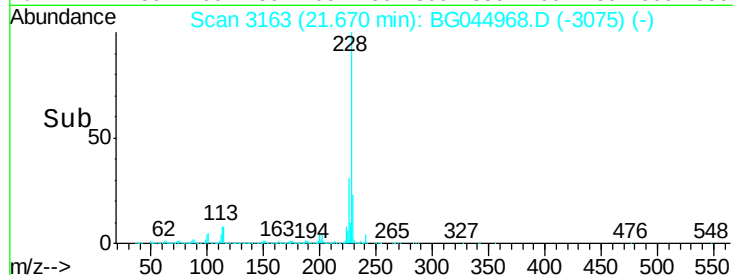
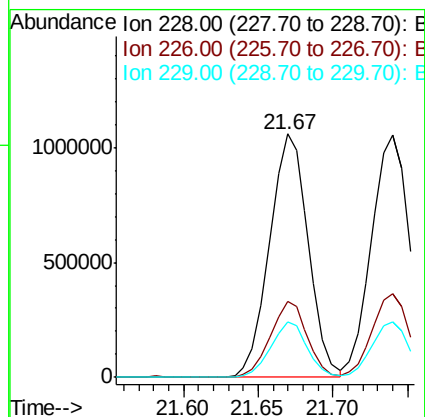
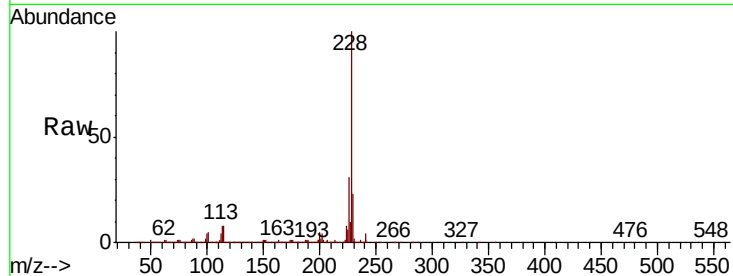
ClientSampleId :

TR-05-040320MS

|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 228   | Resp: | 1906203 |
| Ion      | Ratio | Lower | Upper   |
| 228      | 100   |       |         |
| 226      | 31.2  | 23.6  | 35.4    |
| 229      | 23.0  | 17.1  | 25.7    |

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#82

3,3'-Dichlorobenzidine

Concen: 30.565 ng

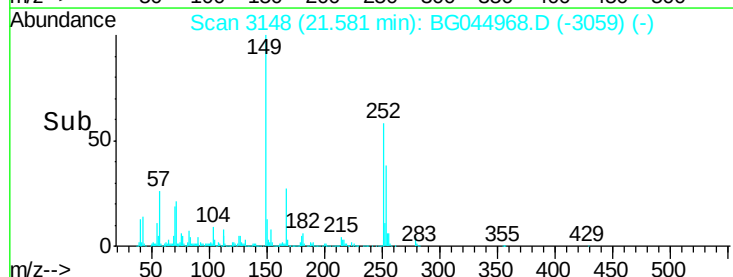
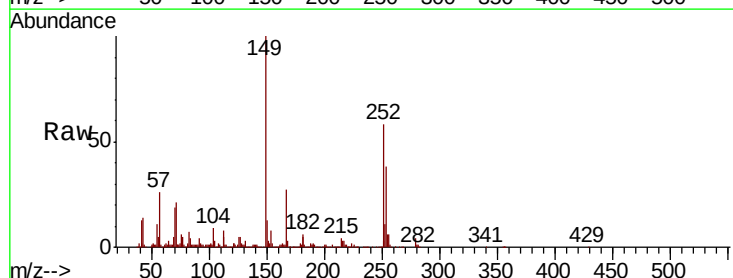
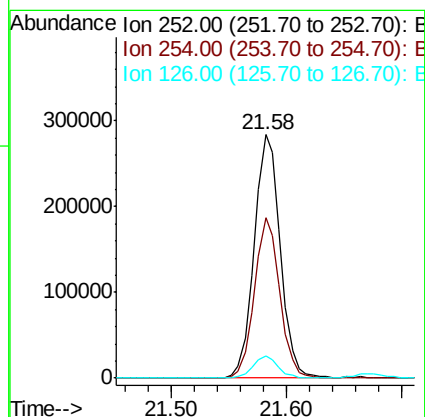
RT: 21.58 min Scan# 3148

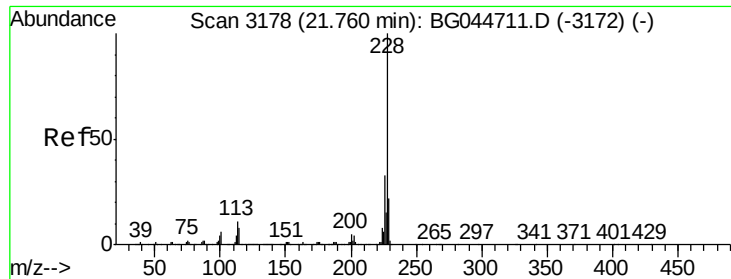
Delta R.T. -0.01 min

Lab File: BG044968.D

Acq: 7 Apr 2020 23:40

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 252   | Resp: | 445153 |
| Ion      | Ratio | Lower | Upper  |
| 252      | 100   |       |        |
| 254      | 65.7  | 51.6  | 77.4   |
| 126      | 9.0   | 7.0   | 10.6   |





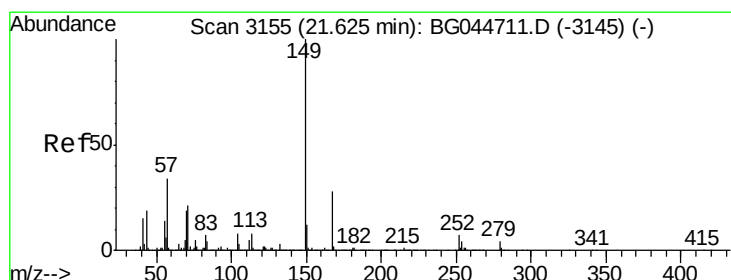
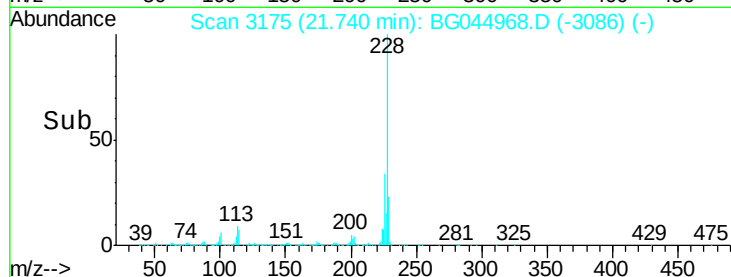
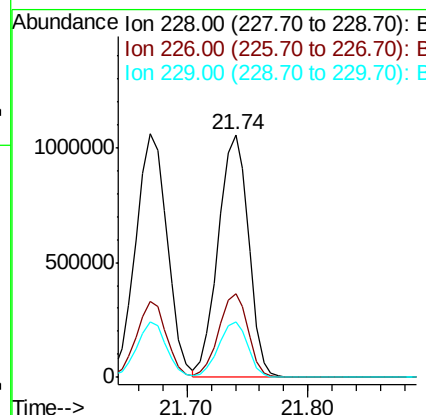
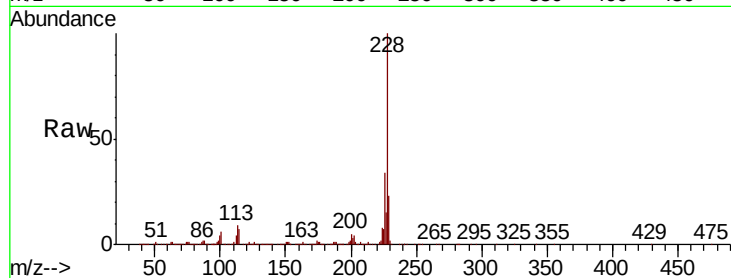
#83  
 Chrysene  
 Concen: 50.872 ng  
 RT: 21.74 min Scan# 3175  
 Delta R.T. -0.01 min  
 Lab File: BG044968.D  
 Acq: 7 Apr 2020 23:40

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TR-05-040320MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 34.4  | 25.9  | 38.9  |
| 229     | 22.9  | 17.4  | 26.0  |

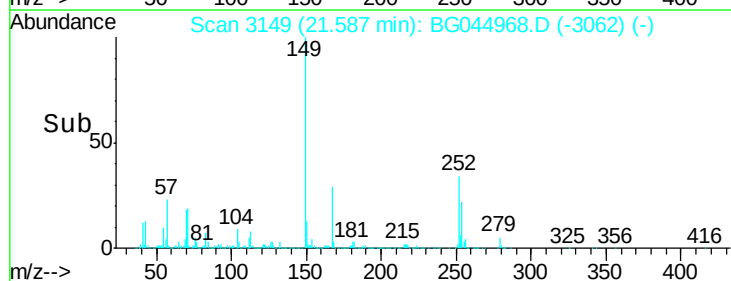
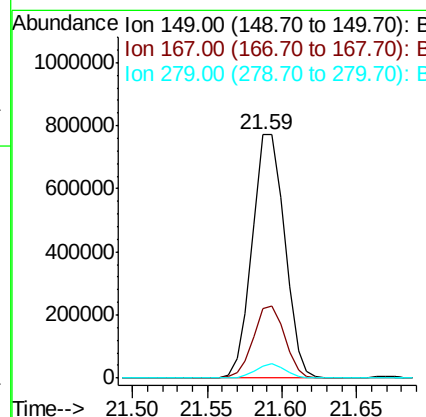
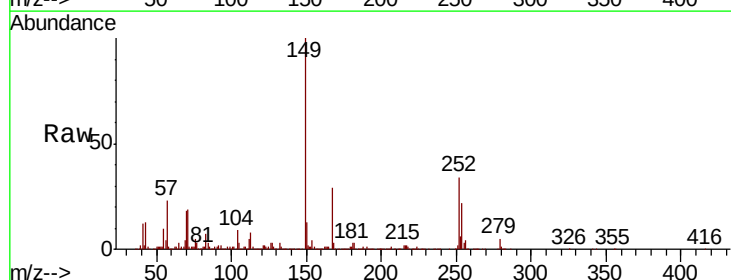
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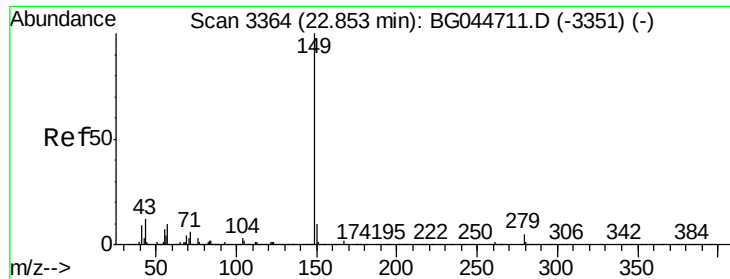
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#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 49.247 ng  
 RT: 21.59 min Scan# 3149  
 Delta R.T. -0.02 min  
 Lab File: BG044968.D  
 Acq: 7 Apr 2020 23:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 28.8  | 21.8  | 32.6  |
| 279     | 5.0   | 3.8   | 5.6   |





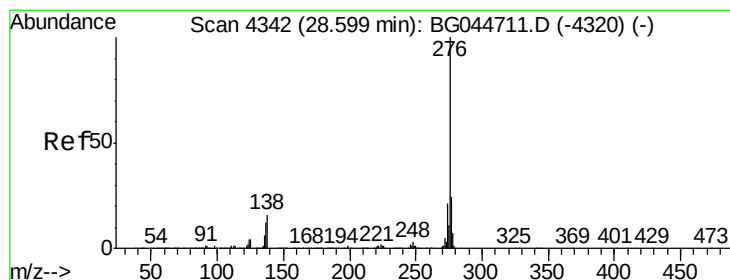
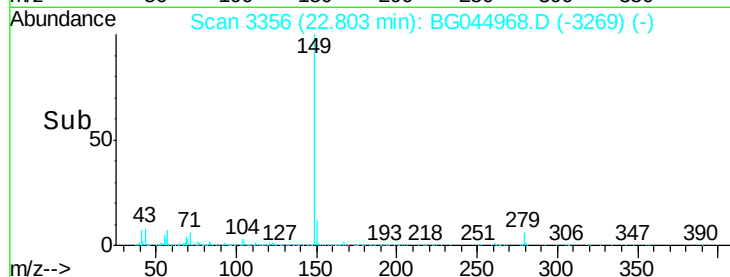
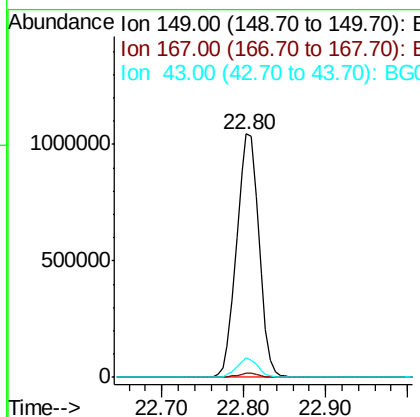
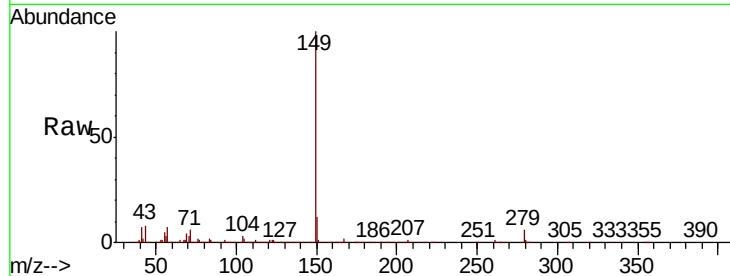
#85  
Di-n-octyl phthalate  
Concen: 50.562 ng  
RT: 22.80 min Scan# 3356  
Delta R.T. -0.02 min  
Lab File: BG044968.D  
Acq: 7 Apr 2020 23:40

Instrument :  
BNA\_G  
ClientSampleId :  
TR-05-040320MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 1.8   | 1.4   | 2.0   |
| 43      | 7.5   | 8.2   | 12.4  |

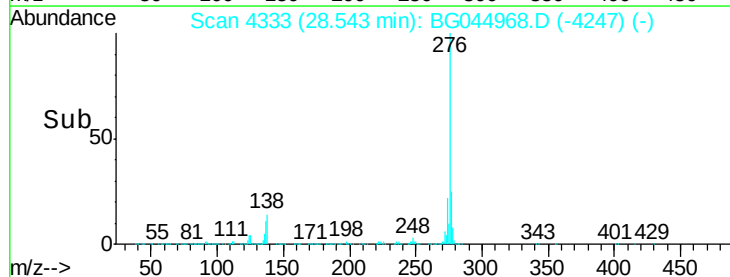
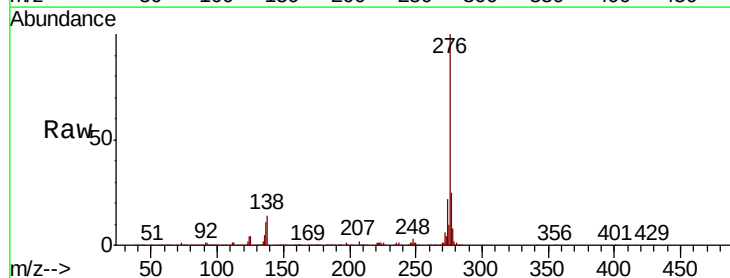
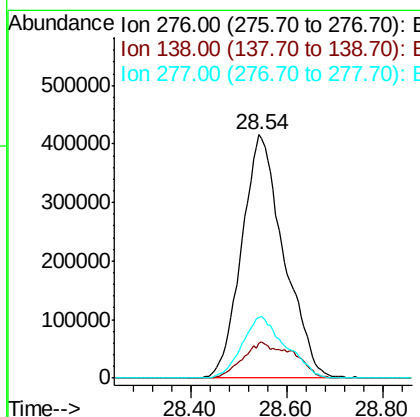
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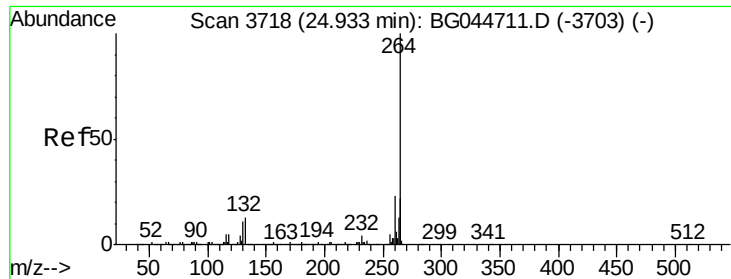
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#86  
Indeno(1,2,3-cd)pyrene  
Concen: 53.758 ng  
RT: 28.54 min Scan# 4333  
Delta R.T. -0.03 min  
Lab File: BG044968.D  
Acq: 7 Apr 2020 23:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 17.7  | 7.4   | 11.0  |
| 277     | 26.2  | 20.8  | 31.2  |





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.89 min Scan# 3712

Delta R.T. -0.01 min

Lab File: BG044968.D

Acq: 7 Apr 2020 23:40

Instrument :

BNA\_G

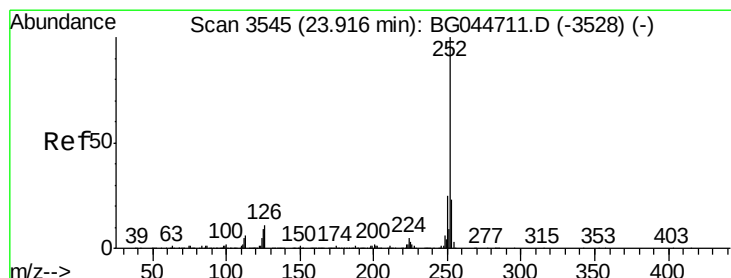
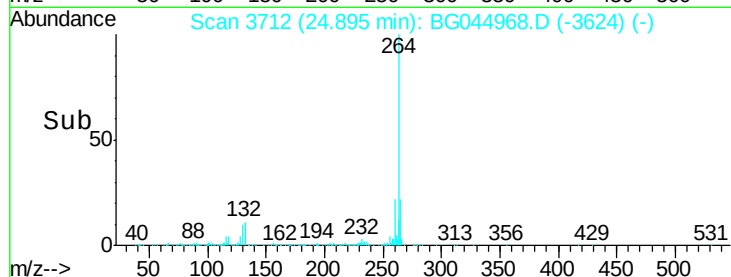
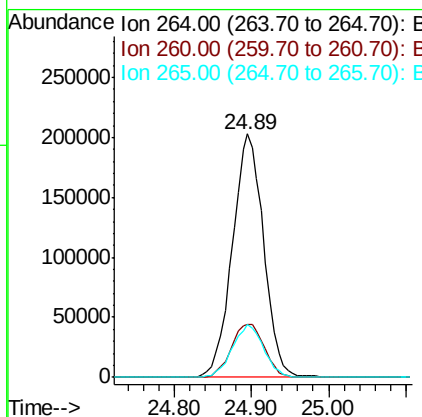
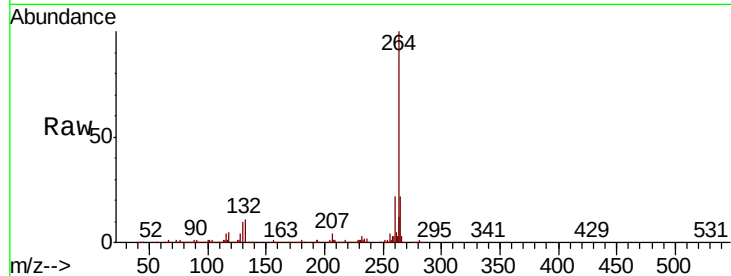
ClientSampleId :

TR-05-040320MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 264   | Resp: | 573885 |
| Ion Ratio | Lower | Upper |        |
| 264       | 100   |       |        |
| 260       | 21.9  | 18.1  | 27.1   |
| 265       | 21.9  | 17.1  | 25.7   |

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#88

Benzo(b)fluoranthene

Concen: 56.053 ng

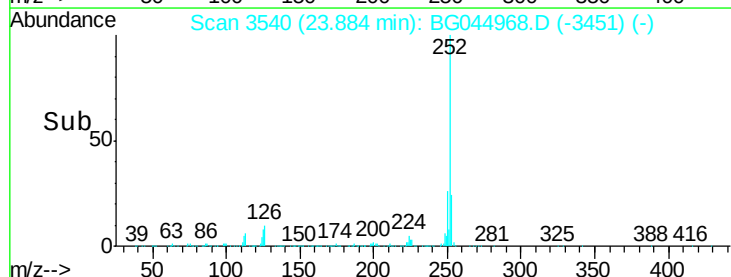
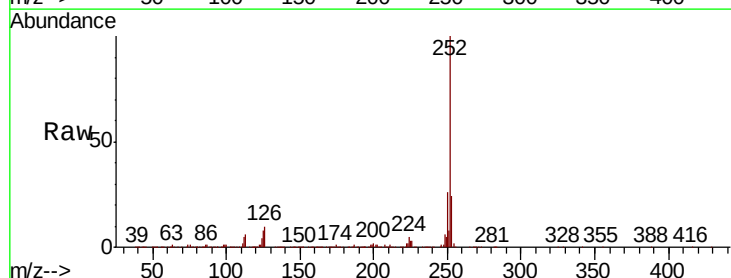
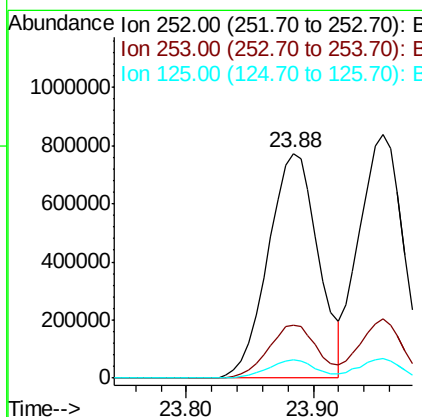
RT: 23.88 min Scan# 3540

Delta R.T. -0.01 min

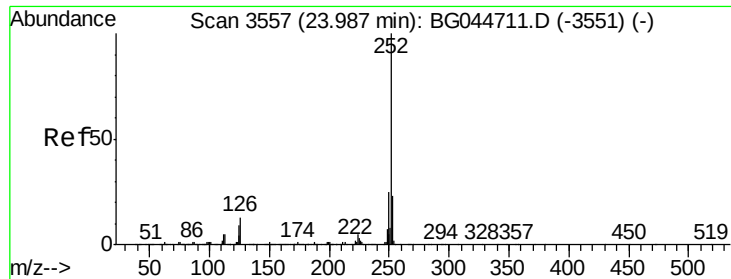
Lab File: BG044968.D

Acq: 7 Apr 2020 23:40

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 252   | Resp: | 2123664 |
| Ion Ratio | Lower | Upper |         |
| 252       | 100   |       |         |
| 253       | 23.8  | 18.1  | 27.1    |
| 125       | 8.0   | 6.6   | 9.8     |







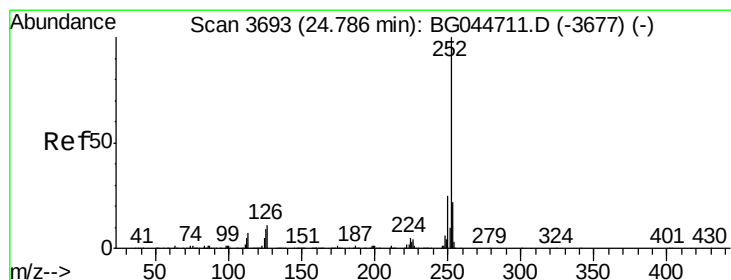
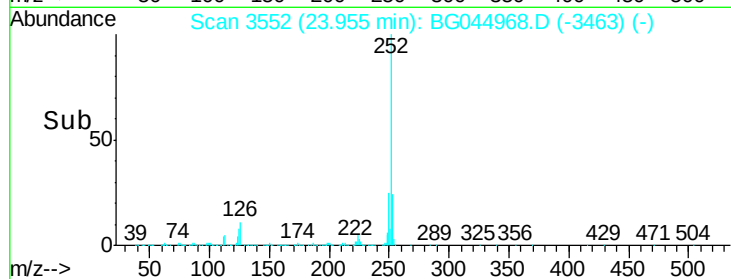
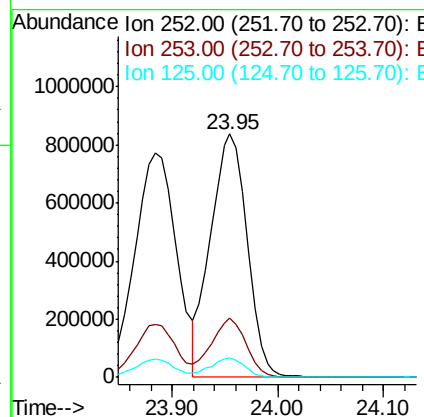
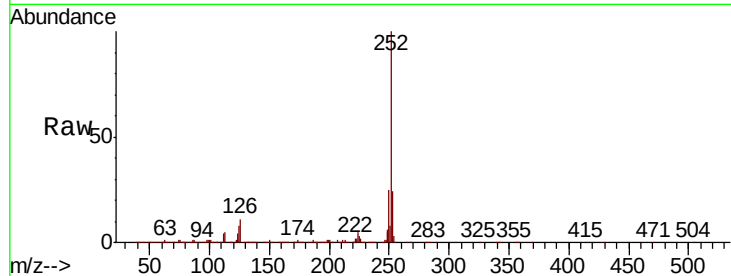
#89  
Benzo(k)fluoranthene  
Concen: 56.175 ng  
RT: 23.95 min Scan# 3552  
Delta R.T. -0.01 min  
Lab File: BG044968.D  
Acq: 7 Apr 2020 23:40

Instrument :  
BNA\_G  
ClientSampleId :  
TR-05-040320MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.2  | 18.5  | 27.7  |
| 125     | 8.1   | 6.2   | 9.2   |

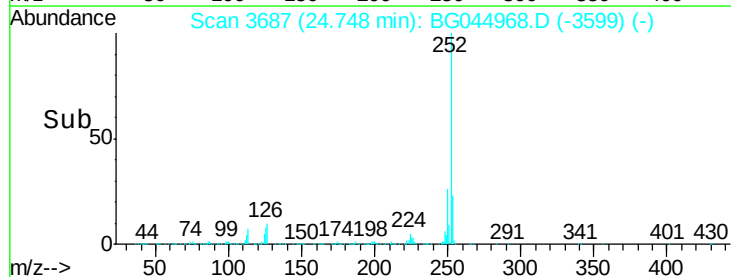
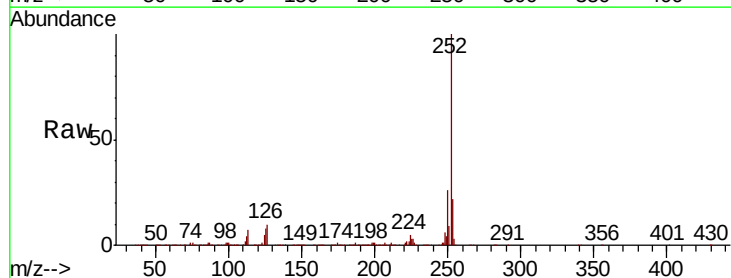
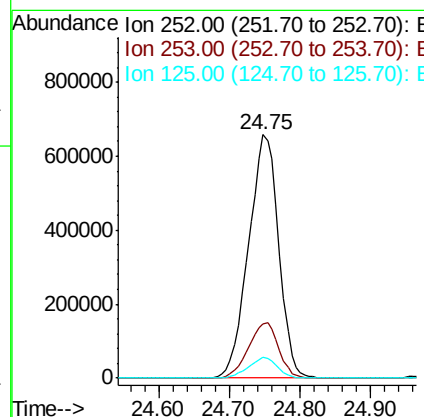
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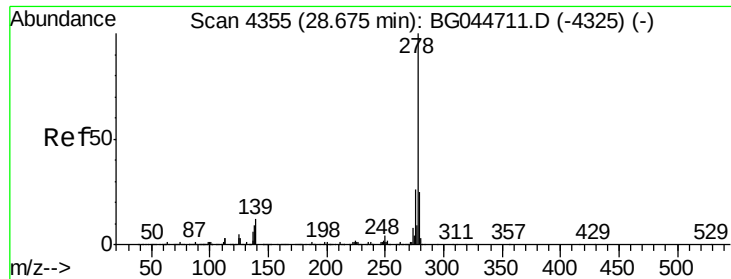
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#90  
Benzo(a)pyrene  
Concen: 55.174 ng  
RT: 24.75 min Scan# 3687  
Delta R.T. -0.01 min  
Lab File: BG044968.D  
Acq: 7 Apr 2020 23:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.5  | 19.4  | 29.0  |
| 125     | 8.3   | 7.2   | 10.8  |





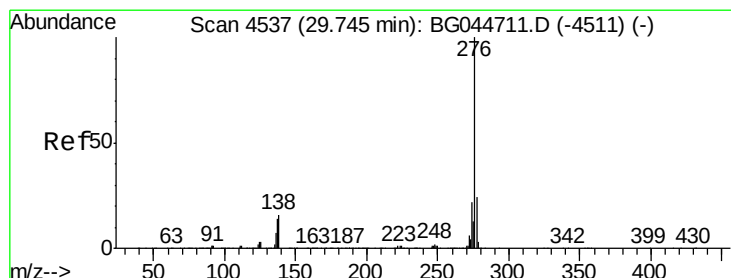
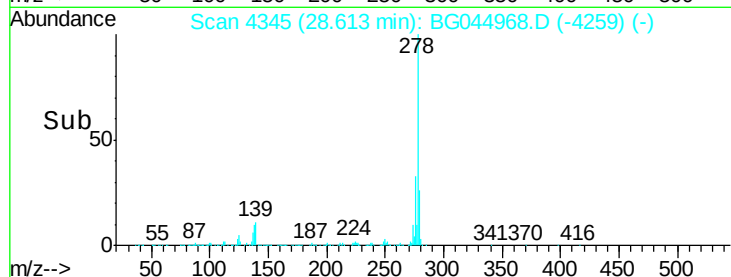
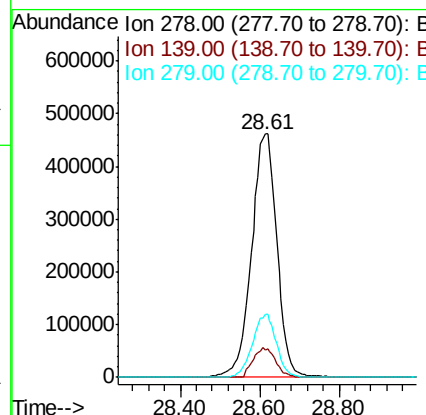
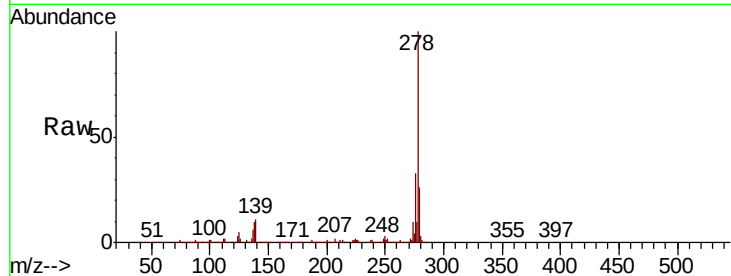
#91  
Dibenzo(a,h)anthracene  
Concen: 58.788 ng  
RT: 28.61 min Scan# 4345  
Delta R.T. -0.03 min  
Lab File: BG044968.D  
Acq: 7 Apr 2020 23:40

Instrument :  
BNA\_G  
ClientSampleId :  
TR-05-040320MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 11.0  | 10.2  | 15.2  |
| 279     | 25.7  | 18.9  | 28.3  |

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#92  
Benzo(g,h,i)perylene  
Concen: 59.230 ng  
RT: 29.69 min Scan# 4528  
Delta R.T. -0.02 min  
Lab File: BG044968.D  
Acq: 7 Apr 2020 23:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 23.8  | 20.1  | 30.1  |
| 138     | 15.1  | 13.0  | 19.6  |

