

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG041720\  
 Data File : BG045028.D  
 Acq On : 17 Apr 2020 11:50  
 Operator : CG/JU  
 Sample : PB128274BS  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB128274BS

Manual Integrations  
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 4/20/2020 2:27:57 PM

Quant Time: Apr 17 12:31:21 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 17 11:08:29 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.02  | 152  | 64208    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.83 | 136  | 301284   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 14.66 | 164  | 239128   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 17.40 | 188  | 570645   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.67 | 240  | 482564   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 24.85 | 264  | 531440   | 20.00 | ng    | 0.00     |

|                             |       |     |         |        |    |      |
|-----------------------------|-------|-----|---------|--------|----|------|
| System Monitoring Compounds |       |     |         |        |    |      |
| 5) 2-Fluorophenol           | 5.59  | 112 | 552660  | 142.10 | ng | 0.00 |
| 7) Phenol-d6                | 7.18  | 99  | 843282  | 145.94 | ng | 0.00 |
| 23) Nitrobenzene-d5         | 9.18  | 82  | 542658  | 82.18  | ng | 0.00 |
| 42) 2,4,6-Tribromophenol    | 16.14 | 330 | 462457  | 125.18 | ng | 0.00 |
| 45) 2-Fluorobiphenyl        | 13.28 | 172 | 1351562 | 82.88  | ng | 0.00 |
| 79) Terphenyl-d14           | 20.01 | 244 | 2133165 | 96.35  | ng | 0.00 |

|                                |       |     |         |        |    |      |
|--------------------------------|-------|-----|---------|--------|----|------|
| Target Compounds               |       |     |         | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.48  | 88  | 53838   | 31.149 | ng | 96   |
| 3) Pyridine                    | 3.88  | 79  | 172265  | 32.370 | ng | 98   |
| 4) n-Nitrosodimethylamine      | 3.79  | 42  | 69726   | 42.770 | ng | # 94 |
| 6) Aniline                     | 7.34  | 93  | 296046  | 39.405 | ng | 98   |
| 8) 2-Chlorophenol              | 7.58  | 128 | 226579  | 54.208 | ng | 100  |
| 9) Benzaldehyde                | 7.15  | 77  | 111705  | 32.284 | ng | 98   |
| 10) Phenol                     | 7.21  | 94  | 314850  | 54.451 | ng | 99   |
| 11) bis(2-Chloroethyl)ether    | 7.44  | 93  | 211001  | 45.833 | ng | 96   |
| 12) 1,3-Dichlorobenzene        | 7.91  | 146 | 217839  | 44.228 | ng | 97   |
| 13) 1,4-Dichlorobenzene        | 8.06  | 146 | 217058  | 44.227 | ng | 98   |
| 14) 1,2-Dichlorobenzene        | 8.38  | 146 | 211420  | 45.029 | ng | 98   |
| 15) Benzyl Alcohol             | 8.25  | 79  | 242095  | 49.972 | ng | 94   |
| 16) 2,2'-oxybis(1-Chloropropan | 8.55  | 45  | 200556  | 44.379 | ng | 95   |
| 17) 2-Methylphenol             | 8.47  | 107 | 220382  | 49.399 | ng | 97   |
| 18) Hexachloroethane           | 9.11  | 117 | 84377   | 45.733 | ng | 99   |
| 19) n-Nitroso-di-n-propylamine | 8.83  | 70  | 205394  | 50.262 | ng | 98   |
| 20) 3+4-Methylphenols          | 8.79  | 107 | 312954  | 50.117 | ng | 96   |
| 22) Acetophenone               | 8.84  | 105 | 364952  | 44.793 | ng | 98   |
| 24) Nitrobenzene               | 9.22  | 77  | 295209  | 43.617 | ng | 99   |
| 25) Isophorone                 | 9.75  | 82  | 590526  | 43.672 | ng | 97   |
| 26) 2-Nitrophenol              | 9.93  | 139 | 138008  | 47.338 | ng | 98   |
| 27) 2,4-Dimethylphenol         | 10.00 | 122 | 236825  | 51.195 | ng | 98   |
| 28) bis(2-Chloroethoxy)methane | 10.23 | 93  | 324908  | 45.732 | ng | 98   |
| 29) 2,4-Dichlorophenol         | 10.47 | 162 | 264458  | 49.510 | ng | 98   |
| 30) 1,2,4-Trichlorobenzene     | 10.69 | 180 | 262972  | 43.483 | ng | 99   |
| 31) Naphthalene                | 10.88 | 128 | 729436  | 44.257 | ng | 99   |
| 32) Benzoic acid               | 10.15 | 122 | 167325  | 45.203 | ng | 92   |
| 33) 4-Chloroaniline            | 10.98 | 127 | 138158  | 17.974 | ng | 98   |
| 34) Hexachlorobutadiene        | 11.18 | 225 | 168639  | 40.671 | ng | 98   |
| 35) Caprolactam                | 11.75 | 113 | 103854m | 48.852 | ng |      |
| 36) 4-Chloro-3-methylphenol    | 12.11 | 107 | 311348  | 49.618 | ng | 98   |
| 37) 2-Methylnaphthalene        | 12.48 | 142 | 586642  | 45.857 | ng | 95   |
| 38) 1-Methylnaphthalene        | 12.71 | 142 | 565889  | 46.857 | ng | 98   |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.85 | 216 | 323072  | 41.961 | ng | 98   |

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG041720\  
 Data File : BG045028.D  
 Acq On : 17 Apr 2020 11:50  
 Operator : CG/JU  
 Sample : PB128274BS  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB128274BS

Manual Integrations  
 APPROVED

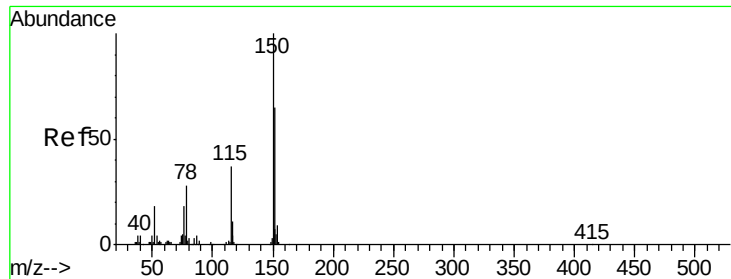
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 4/20/2020 2:27:57 PM

Quant Time: Apr 17 12:31:21 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 17 11:08:29 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 12.84 | 237  | 472250   | 98.137 | nq    | 99       |
| 43) 2,4,6-Trichlorophenol      | 13.09 | 196  | 246225   | 45.313 | nq    | 98       |
| 44) 2,4,5-Trichlorophenol      | 13.17 | 196  | 266751   | 43.127 | nq    | 98       |
| 46) 1,1'-Biphenyl              | 13.49 | 154  | 784231   | 43.148 | nq    | 99       |
| 47) 2-Chloronaphthalene        | 13.54 | 162  | 605909   | 43.629 | nq    | 99       |
| 48) 2-Nitroaniline             | 13.73 | 65   | 199466   | 43.653 | nq    | 95       |
| 49) Acenaphthylene             | 14.38 | 152  | 1007507  | 44.538 | nq    | 99       |
| 50) Dimethylphthalate          | 14.11 | 163  | 854086   | 43.865 | nq    | 99       |
| 51) 2,6-Dinitrotoluene         | 14.22 | 165  | 196866   | 45.204 | nq    | 96       |
| 52) Acenaphthene               | 14.72 | 154  | 757664m  | 49.503 | nq    |          |
| 53) 3-Nitroaniline             | 14.55 | 138  | 110769   | 23.190 | nq    | 98       |
| 54) 2,4-Dinitrophenol          | 14.76 | 184  | 247790   | 95.684 | nq    | 95       |
| 55) Dibenzofuran               | 15.06 | 168  | 988579   | 44.303 | nq    | 99       |
| 56) 4-Nitrophenol              | 14.87 | 139  | 319511   | 86.272 | nq    | 96       |
| 57) 2,4-Dinitrotoluene         | 15.01 | 165  | 275738   | 43.324 | nq    | 98       |
| 58) Fluorene                   | 15.70 | 166  | 815657   | 44.751 | nq    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol  | 15.29 | 232  | 257790   | 46.841 | nq    | # 99     |
| 60) Diethylphthalate           | 15.48 | 149  | 877843   | 43.243 | nq    | 98       |
| 61) 4-Chlorophenyl-phenylether | 15.70 | 204  | 452593   | 43.141 | nq    | 97       |
| 62) 4-Nitroaniline             | 15.71 | 138  | 198206   | 40.008 | nq    | 97       |
| 63) Azobenzene                 | 15.99 | 77   | 834393   | 44.581 | nq    | 99       |
| 65) 4,6-Dinitro-2-methylphenol | 15.78 | 198  | 177099   | 47.215 | nq    | 98       |
| 66) n-Nitrosodiphenylamine     | 15.91 | 169  | 740208   | 45.146 | nq    | 99       |
| 67) 4-Bromophenyl-phenylether  | 16.59 | 248  | 314373   | 42.703 | nq    | 99       |
| 68) Hexachlorobenzene          | 16.71 | 284  | 340803   | 44.637 | nq    | 99       |
| 69) Atrazine                   | 16.86 | 200  | 303729   | 51.478 | nq    | 98       |
| 70) Pentachlorophenol          | 17.05 | 266  | 420425   | 89.761 | nq    | 98       |
| 71) Phenanthrene               | 17.45 | 178  | 1292032  | 44.061 | nq    | 99       |
| 72) Anthracene                 | 17.54 | 178  | 1323427  | 44.992 | nq    | 98       |
| 73) Carbazole                  | 17.80 | 167  | 1212038  | 40.604 | nq    | 99       |
| 74) Di-n-butylphthalate        | 18.37 | 149  | 1432729  | 43.951 | nq    | 99       |
| 75) Fluoranthene               | 19.45 | 202  | 1538457  | 44.578 | nq    | 99       |
| 77) Benzidine                  | 19.63 | 184  | 750101   | 54.989 | nq    | 98       |
| 78) Pyrene                     | 19.81 | 202  | 1507199  | 45.305 | nq    | 100      |
| 80) Butylbenzylphthalate       | 20.70 | 149  | 619020   | 44.889 | nq    | 97       |
| 81) Benzo(a)anthracene         | 21.65 | 228  | 1404913  | 44.918 | nq    | 100      |
| 82) 3,3'-Dichlorobenzidine     | 21.56 | 252  | 337418   | 27.104 | nq    | 98       |
| 83) Chrysene                   | 21.71 | 228  | 1348826  | 44.884 | nq    | 100      |
| 84) Bis(2-ethylhexyl)phthalate | 21.57 | 149  | 856851   | 45.178 | nq    | 99       |
| 85) Di-n-octyl phthalate       | 22.77 | 149  | 1448142  | 44.154 | nq    | 100      |
| 86) Indeno(1,2,3-cd)pyrene     | 28.48 | 276  | 1784606  | 44.728 | nq    | 99       |
| 88) Benzo(b)fluoranthene       | 23.84 | 252  | 1516989  | 45.570 | nq    | 99       |
| 89) Benzo(k)fluoranthene       | 23.92 | 252  | 1444068  | 45.615 | nq    | 100      |
| 90) Benzo(a)pyrene             | 24.70 | 252  | 1387220  | 44.137 | nq    | 99       |
| 91) Dibenzo(a,h)anthracene     | 28.54 | 278  | 1457081  | 46.008 | nq    | 97       |
| 92) Benzo(g,h,i)perylene       | 29.61 | 276  | 1447739  | 45.596 | nq    | 98       |

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





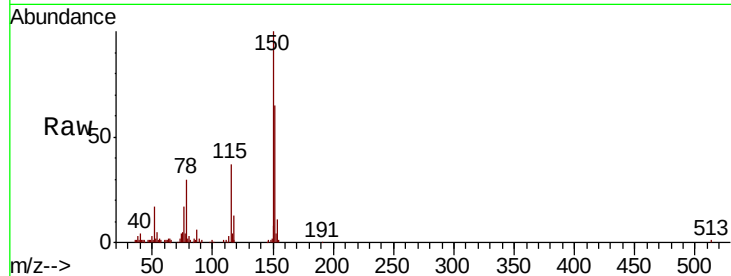
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 Concen: 20.000 ng  
 RT: 8.02 min Scan# 839  
 Delta R.T. -0.01 min  
 Lab File: BG045028.D  
 Acq: 17 Apr 2020 11:50

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB128274BS

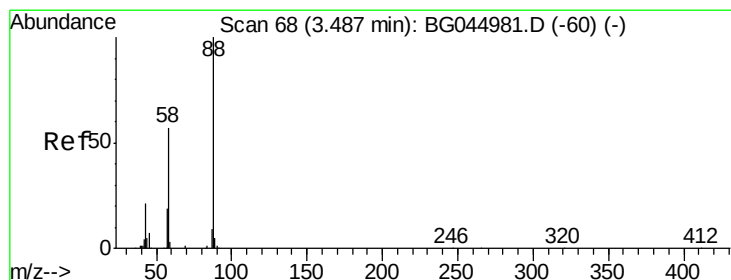
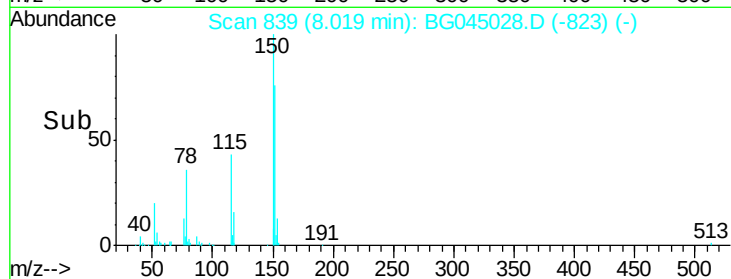
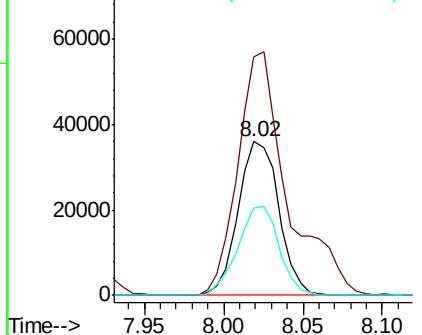
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 152   | Resp: | 64208 |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 150      | 154.7 | 123.6 | 185.4 |
| 115      | 56.9  | 49.1  | 73.7  |

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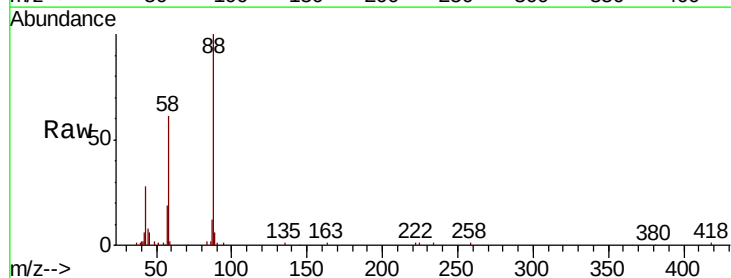


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

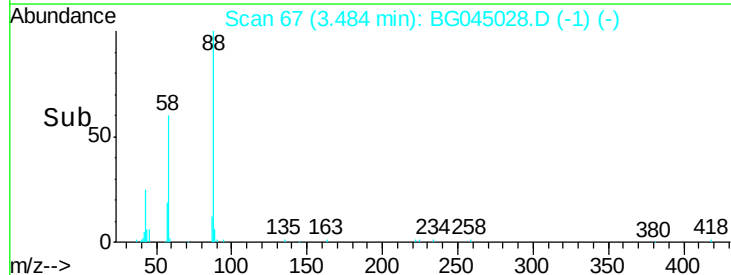
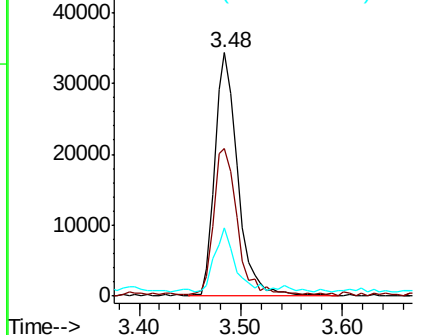


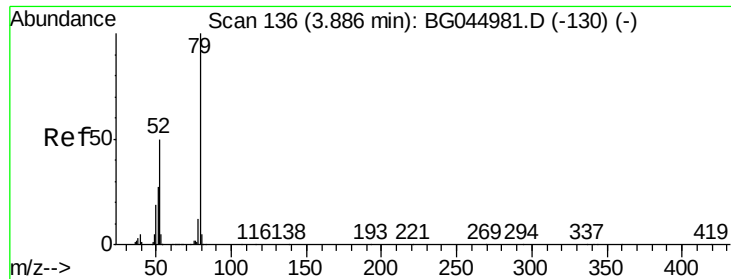
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 1,4-Dioxane  
 Concen: 31.149 ng  
 RT: 3.48 min Scan# 67  
 Delta R.T. -0.01 min  
 Lab File: BG045028.D  
 Acq: 17 Apr 2020 11:50

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 88    | Resp: | 53838 |
| Ion      | Ratio | Lower | Upper |
| 88       | 100   |       |       |
| 58       | 61.0  | 46.6  | 69.8  |
| 43       | 23.7  | 17.5  | 26.3  |



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





#3

Pvridine

Concen: 32.370 ng

RT: 3.88 min Scan# 134

Delta R.T. -0.01 min

Lab File: BG045028.D

Acq: 17 Apr 2020 11:50

Instrument :

BNA\_G

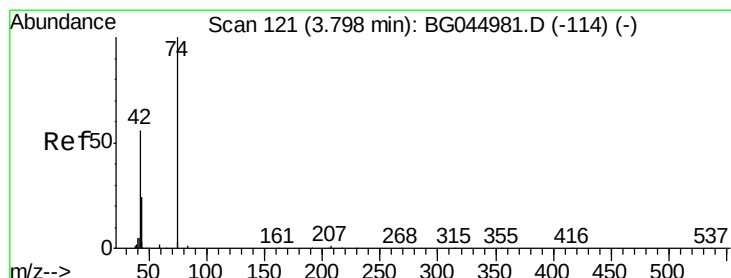
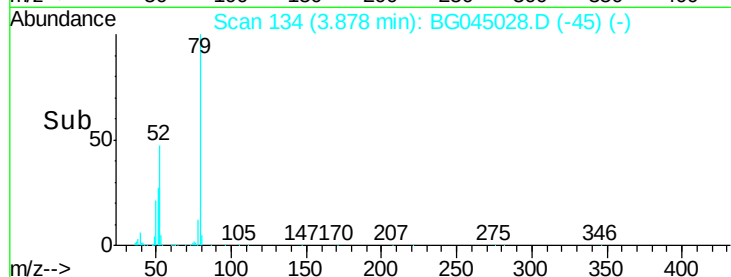
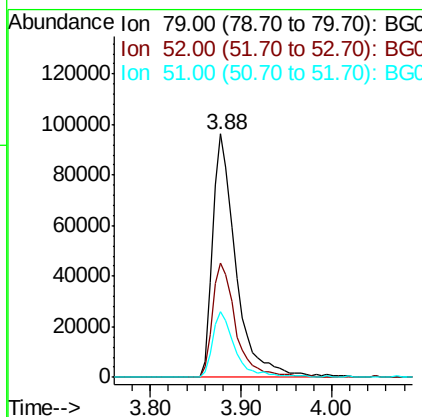
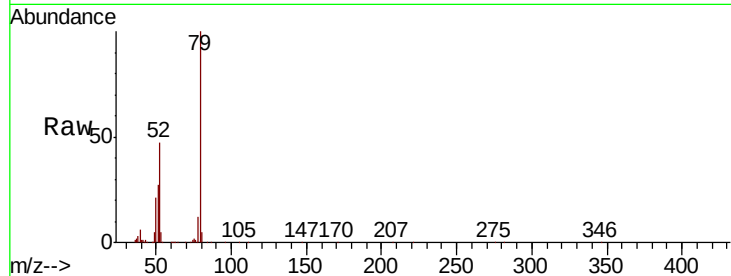
ClientSampleId :

PB128274BS

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 79      | 100  |       | 172265 |       |       |
| 52      | 47.1 | 39.8  | 59.6   |       |       |
| 51      | 26.8 | 21.4  | 32.2   |       |       |

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#4

n-Nitrosodimethylamine

Concen: 42.770 ng

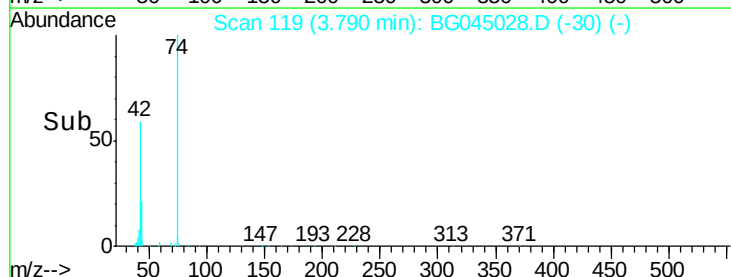
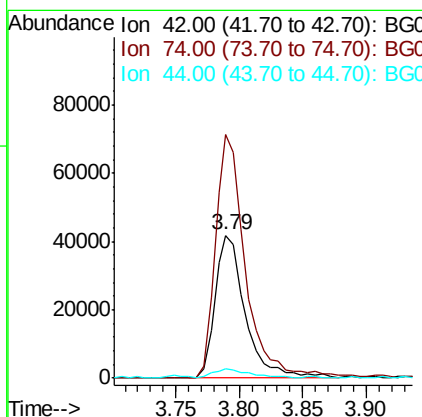
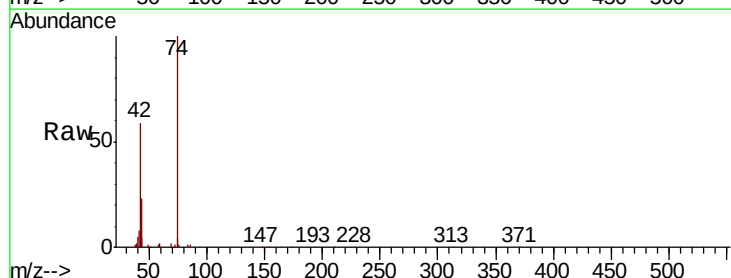
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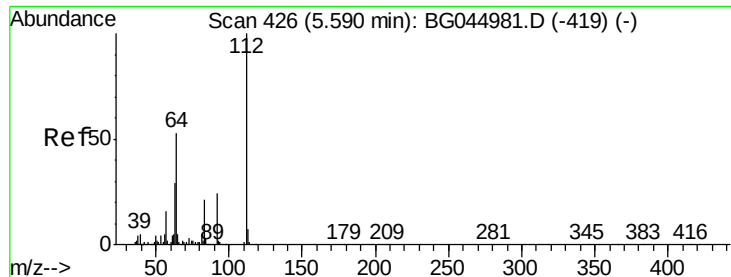
Delta R.T. -0.01 min

Lab File: BG045028.D

Acq: 17 Apr 2020 11:50

| Tgt Ion | Ion   | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|-------|
| 42      | 100   |       | 69726 |       |       |
| 74      | 170.3 | 143.0 | 214.6 |       |       |
| 44      | 6.8   | 4.6   | 6.8#  |       |       |





#5

2-Fluorophenol

Concen: 142.103 ng

RT: 5.59 min Scan# 426

Delta R.T. 0.00 min

Lab File: BG045028.D

Acq: 17 Apr 2020 11:50

Instrument :

BNA\_G

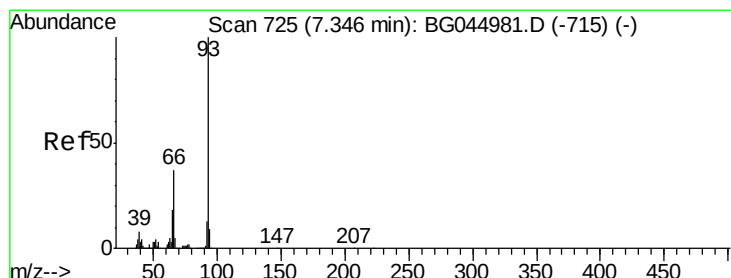
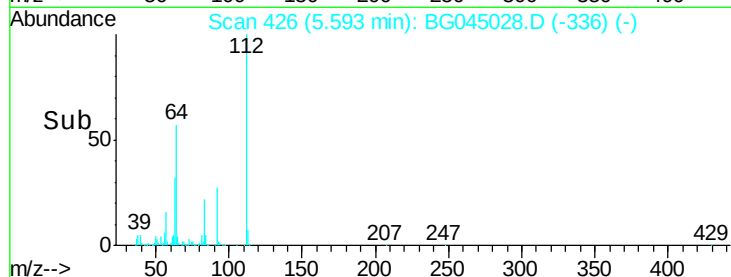
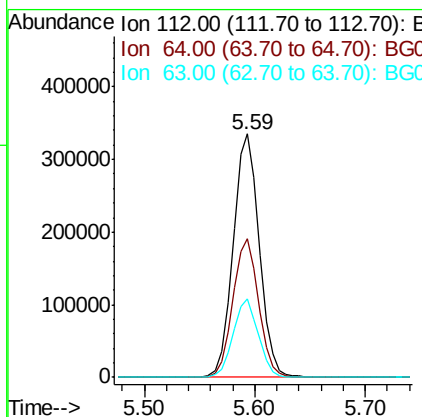
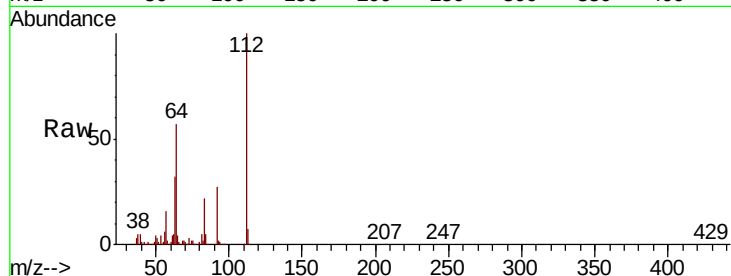
ClientSampleId :

PB128274BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 112     | 100   | 552660 |       |       |
| 64      | 57.0  |        | 42.4  | 63.6  |
| 63      | 32.2  |        | 23.1  | 34.7  |

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#6

Aniline

Concen: 39.405 ng

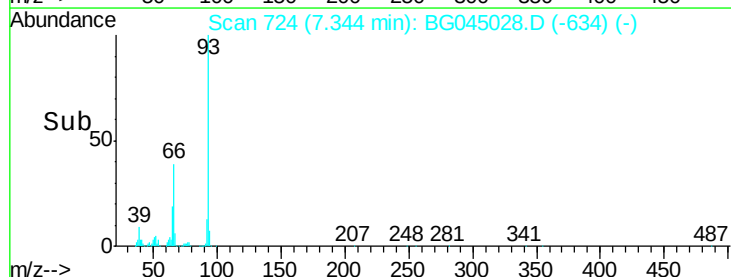
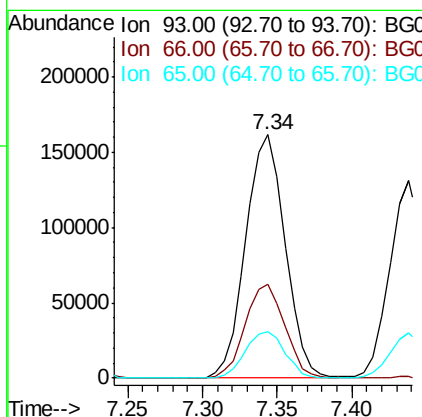
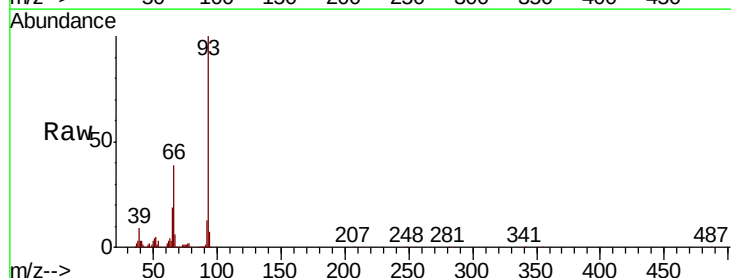
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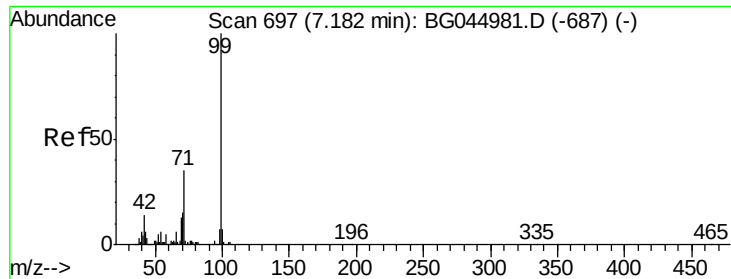
Delta R.T. 0.00 min

Lab File: BG045028.D

Acq: 17 Apr 2020 11:50

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 93      | 100   | 296046 |       |       |
| 66      | 38.8  |        | 29.8  | 44.8  |
| 65      | 19.2  |        | 14.6  | 22.0  |





#7

Phenol-d6

Concen: 145.939 ng

RT: 7.18 min Scan# 697

Delta R.T. 0.00 min

Lab File: BG045028.D

Acq: 17 Apr 2020 11:50

Instrument :

BNA\_G

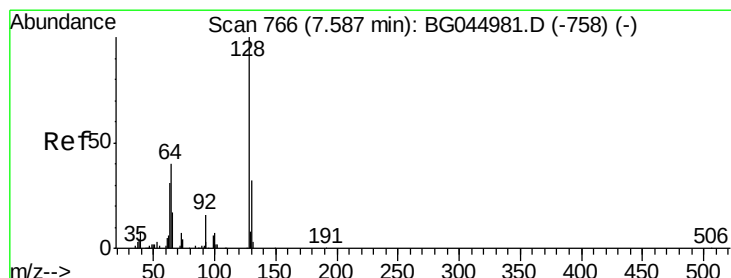
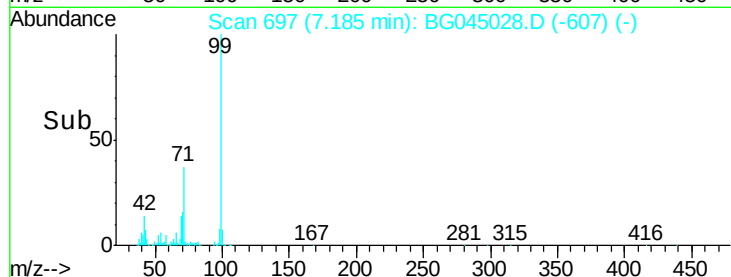
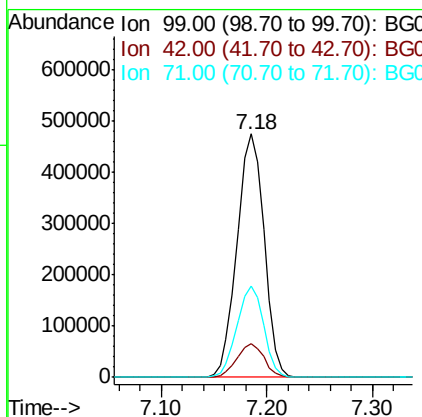
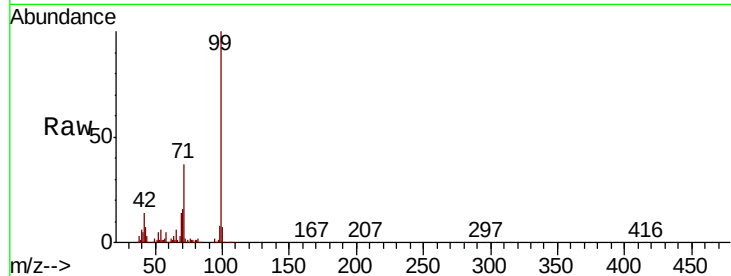
ClientSampleId :

PB128274BS

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 99      | 100  |       | 843282 |       |       |
| 42      | 14.0 | 11.3  | 16.9   |       |       |
| 71      | 37.4 | 28.3  | 42.5   |       |       |

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#8

2-Chlorophenol

Concen: 54.208 ng

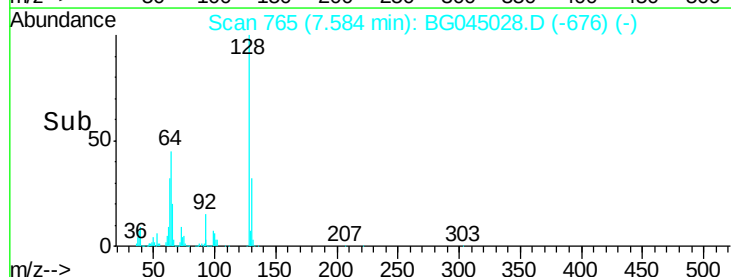
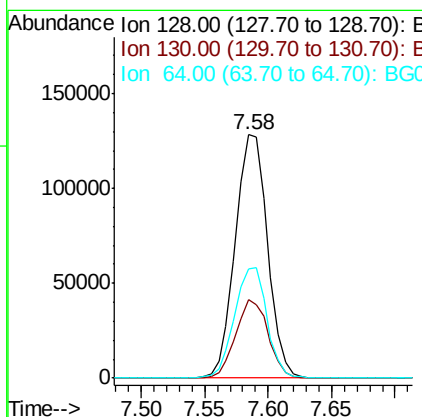
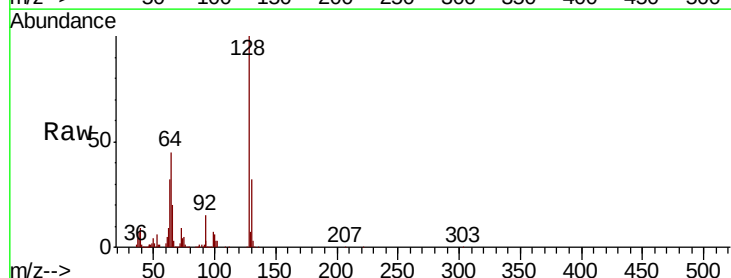
RT: 7.58 min Scan# 765

Delta R.T. -0.01 min

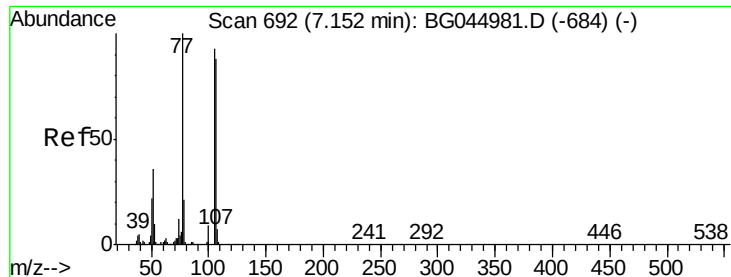
Lab File: BG045028.D

Acq: 17 Apr 2020 11:50

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 128     | 100  |       | 226579 |       |       |
| 130     | 32.4 | 12.3  | 52.3   |       |       |
| 64      | 44.7 | 24.4  | 64.4   |       |       |







#9

Benzaldehyde

Concen: 32.284 ng

RT: 7.15 min Scan# 691

Delta R.T. -0.01 min

Lab File: BG045028.D

Acq: 17 Apr 2020 11:50

Instrument :

BNA\_G

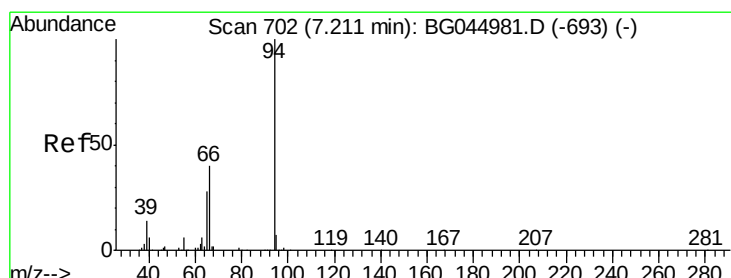
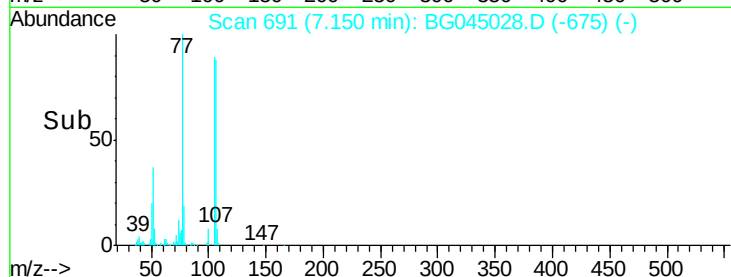
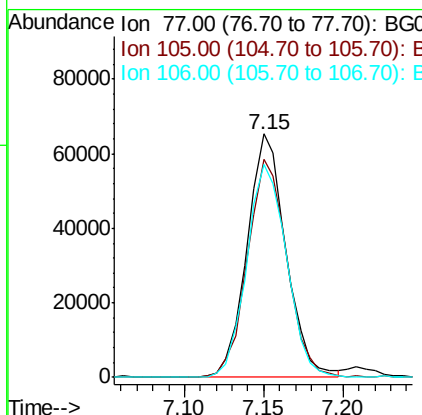
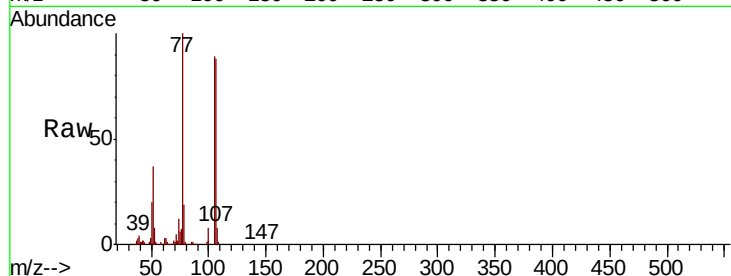
ClientSampleId :

PB128274BS

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 77    | Resp: | 111705 |
| Ion      | Ratio | Lower | Upper  |
| 77       | 100   |       |        |
| 105      | 89.4  | 72.9  | 112.9  |
| 106      | 87.6  | 67.6  | 107.6  |

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#10

Phenol

Concen: 54.451 ng

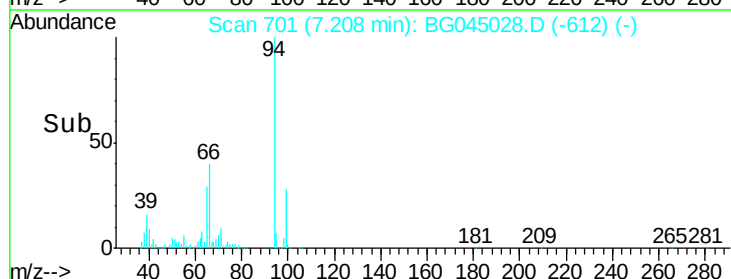
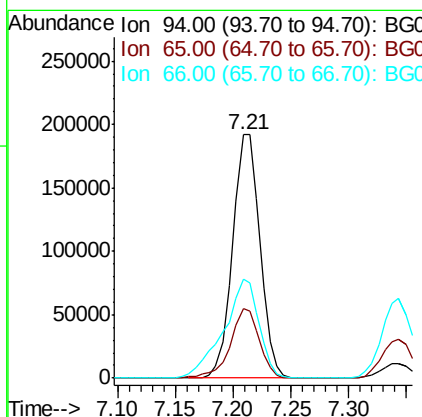
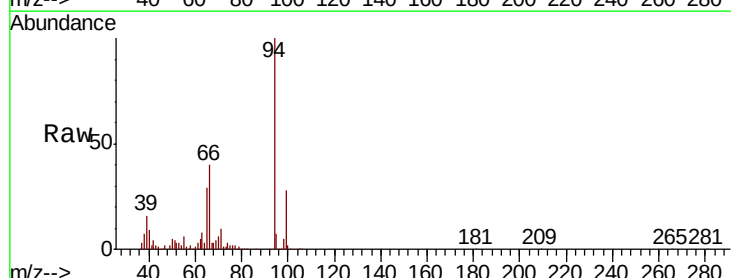
RT: 7.21 min Scan# 701

Delta R.T. -0.01 min

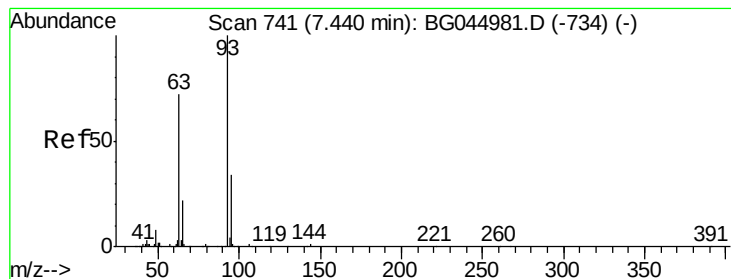
Lab File: BG045028.D

Acq: 17 Apr 2020 11:50

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 94    | Resp: | 314850 |
| Ion      | Ratio | Lower | Upper  |
| 94       | 100   |       |        |
| 65       | 28.8  | 8.2   | 48.2   |
| 66       | 40.5  | 20.4  | 60.4   |







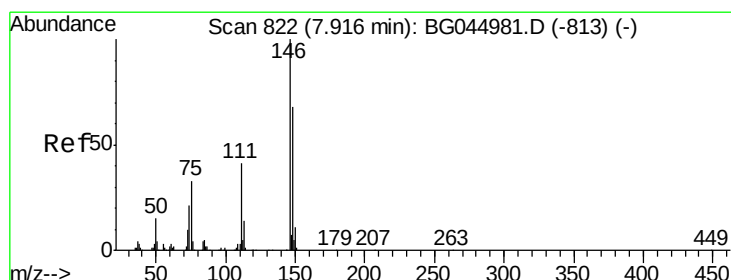
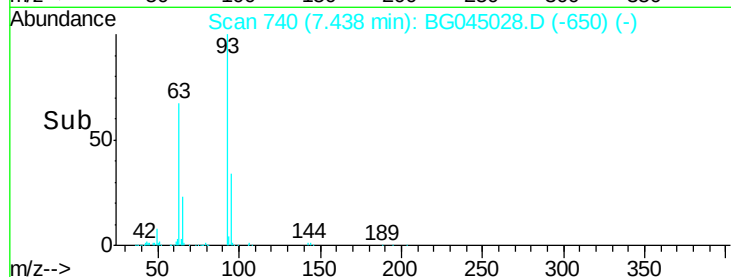
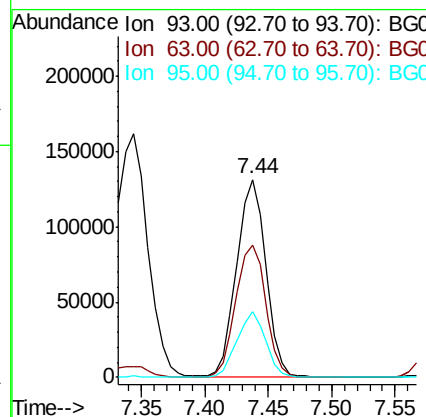
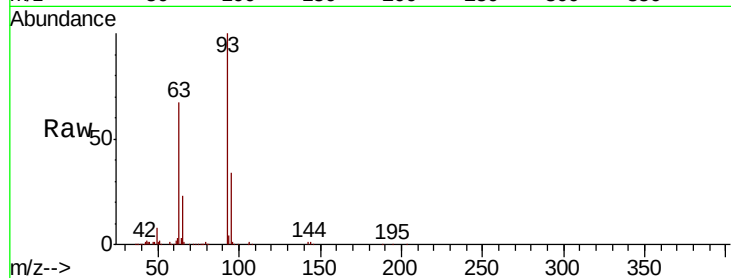
#11  
bis(2-Chloroethyl)ether  
Concen: 45.833 ng  
RT: 7.44 min Scan# 740  
Delta R.T. 0.00 min  
Lab File: BG045028.D  
Acq: 17 Apr 2020 11:50

Instrument :  
BNA\_G  
ClientSampleId :  
PB128274BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 63      | 66.9  | 51.8  | 91.8  |
| 95      | 33.5  | 13.8  | 53.8  |

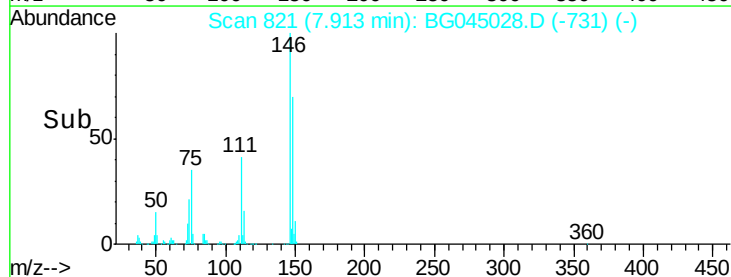
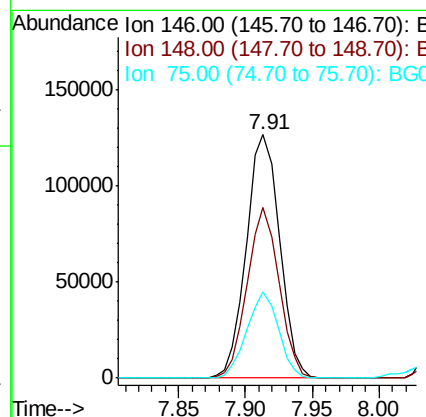
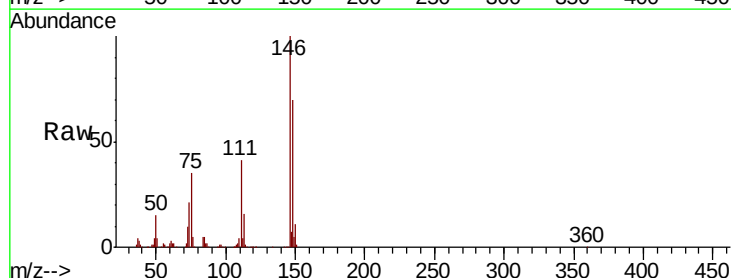
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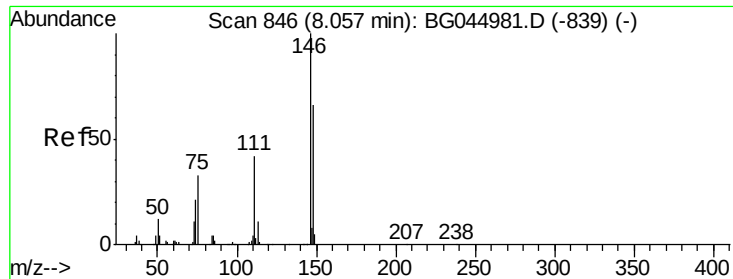
mohammad  
4/20/2020 2:27:57 PM



#12  
1,3-Dichlorobenzene  
Concen: 44.228 ng  
RT: 7.91 min Scan# 821  
Delta R.T. 0.00 min  
Lab File: BG045028.D  
Acq: 17 Apr 2020 11:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 69.9  | 54.6  | 81.8  |
| 75      | 35.4  | 26.0  | 39.0  |





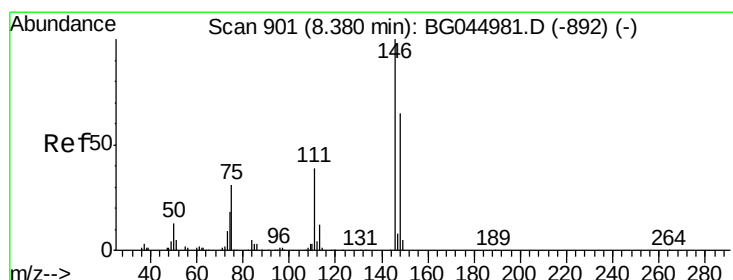
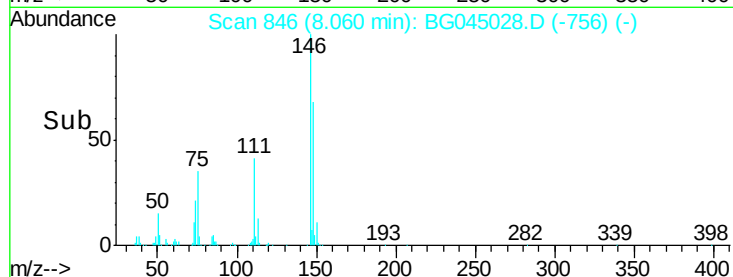
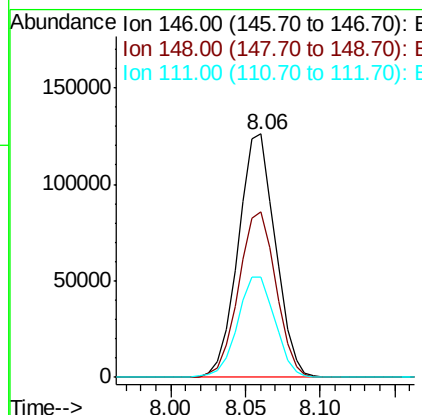
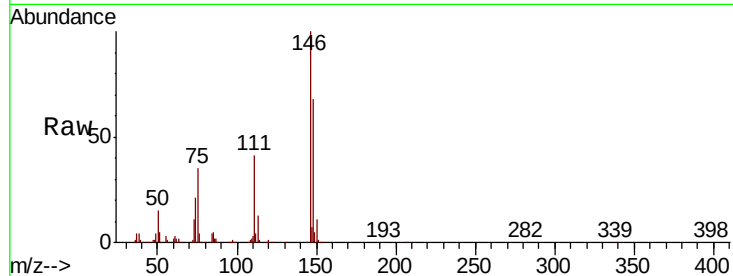
#13  
 1,4-Dichlorobenzene  
 Concen: 44.227 ng  
 RT: 8.06 min Scan# 846  
 Delta R.T. 0.00 min  
 Lab File: BG045028.D  
 Acq: 17 Apr 2020 11:50

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB128274BS

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 146     | 100  |       | 217058 |       |       |
| 148     | 68.1 | 53.3  | 79.9   |       |       |
| 111     | 41.2 | 33.8  | 50.8   |       |       |

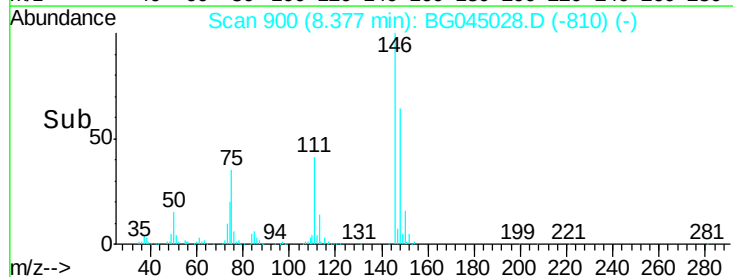
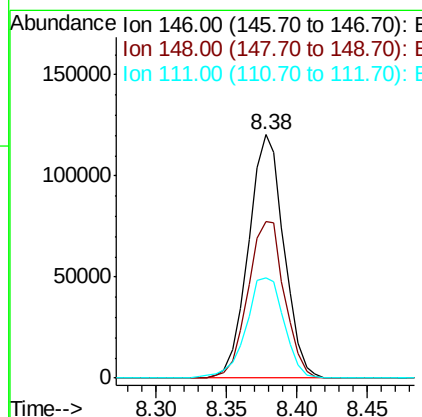
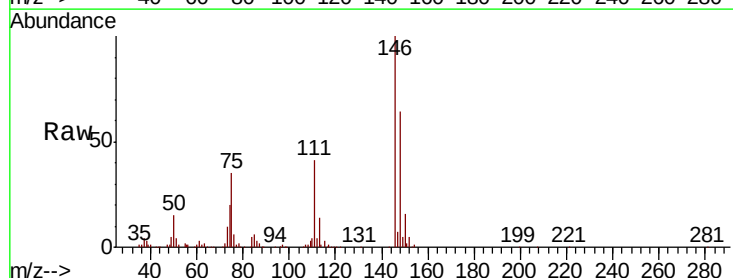
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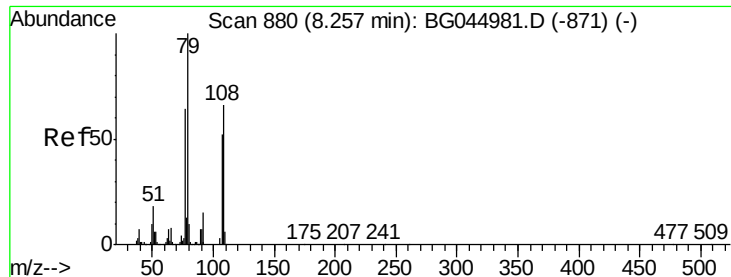
mohammad  
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#14  
 1,2-Dichlorobenzene  
 Concen: 45.029 ng  
 RT: 8.38 min Scan# 900  
 Delta R.T. 0.00 min  
 Lab File: BG045028.D  
 Acq: 17 Apr 2020 11:50

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 146     | 100  |       | 211420 |       |       |
| 148     | 64.2 | 51.9  | 77.9   |       |       |
| 111     | 41.3 | 31.3  | 46.9   |       |       |





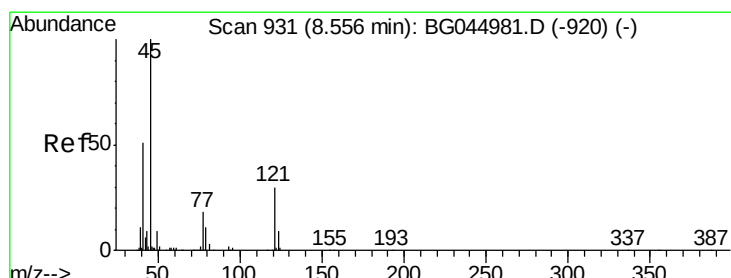
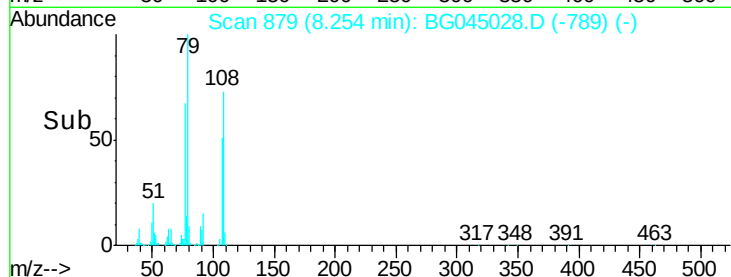
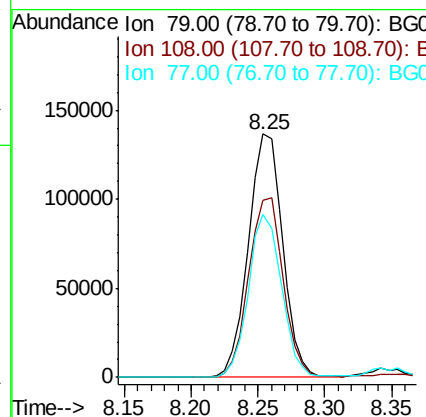
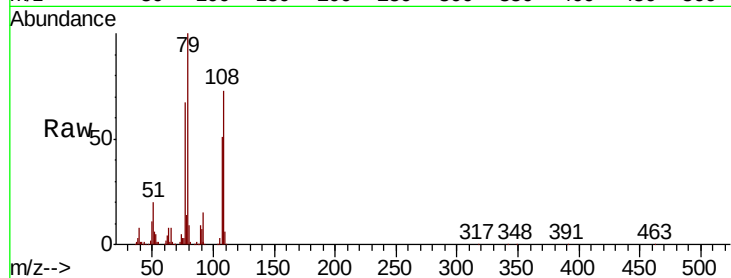
#15  
Benzyl Alcohol  
Concen: 49.972 ng  
RT: 8.25 min Scan# 879  
Delta R.T. 0.00 min  
Lab File: BG045028.D  
Acq: 17 Apr 2020 11:50

Instrument :  
BNA\_G  
ClientSampleId :  
PB128274BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 108     | 72.5  | 52.7  | 79.1  |
| 77      | 66.7  | 51.3  | 76.9  |

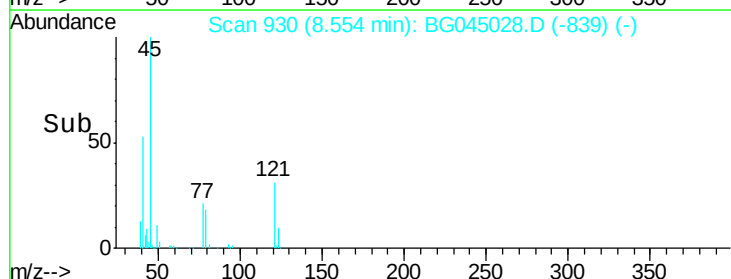
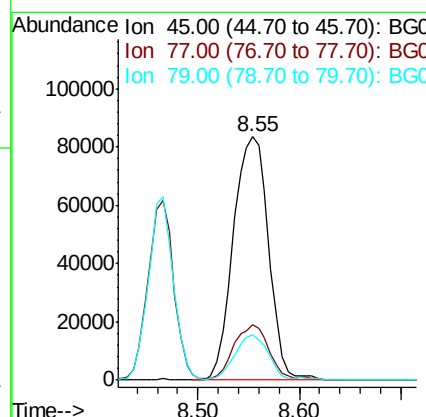
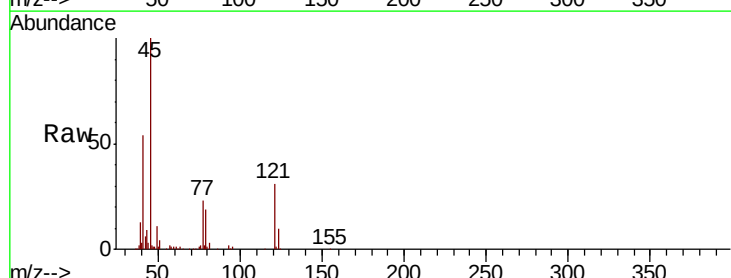
Manual Integrations  
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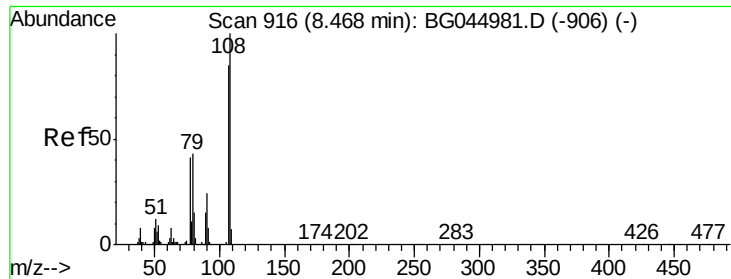
mohammad  
4/20/2020 2:27:57 PM



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 44.379 ng  
RT: 8.55 min Scan# 930  
Delta R.T. 0.01 min  
Lab File: BG045028.D  
Acq: 17 Apr 2020 11:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 77      | 23.0  | 1.9   | 41.9  |
| 79      | 18.8  | 0.0   | 35.5  |





#17

2-Methylphenol

Concen: 49.399 ng

RT: 8.47 min Scan# 915

Delta R.T. 0.00 min

Lab File: BG045028.D

Acq: 17 Apr 2020 11:50

Instrument :

BNA\_G

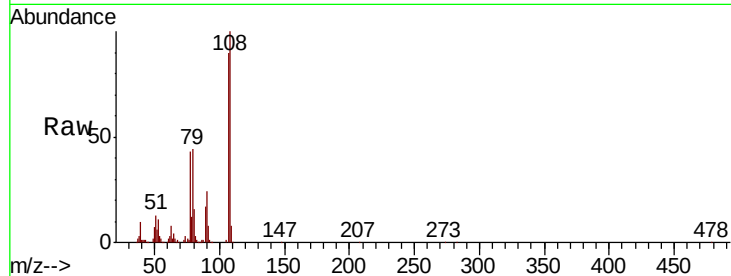
ClientSampleId :

PB128274BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 107     | 100   |      |       |       |
| 108     | 111.7 | 93.8 | 140.6 |       |
| 77      | 47.6  | 38.5 | 57.7  |       |
| 79      | 48.8  | 40.1 | 60.1  |       |

Manual Integrations  
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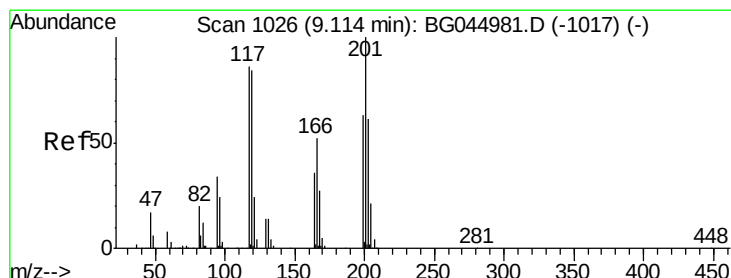
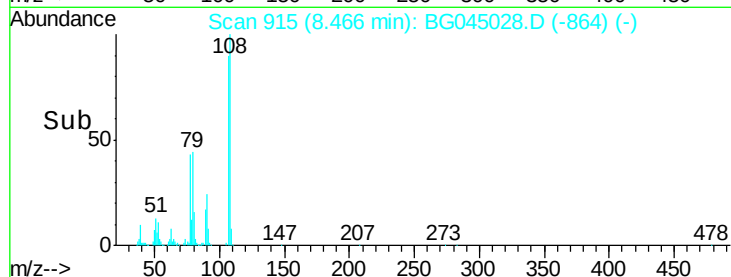
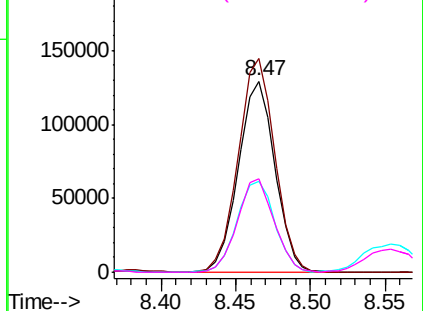
Abundance

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: 45.733 ng

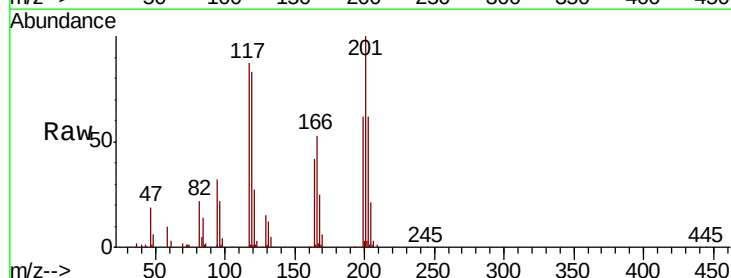
RT: 9.11 min Scan# 1025

Delta R.T. 0.00 min

Lab File: BG045028.D

Acq: 17 Apr 2020 11:50

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 117     | 100   |      |       |       |
| 119     | 95.8  | 78.3 | 117.5 |       |
| 201     | 115.5 | 92.9 | 139.3 |       |

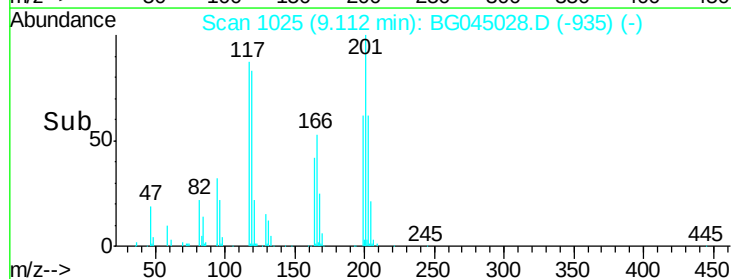
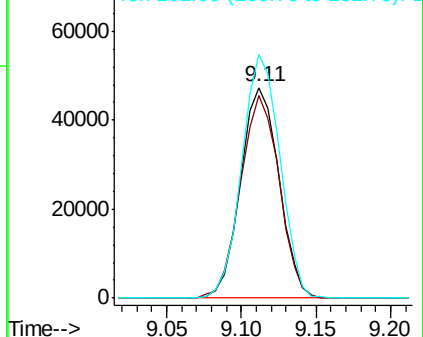


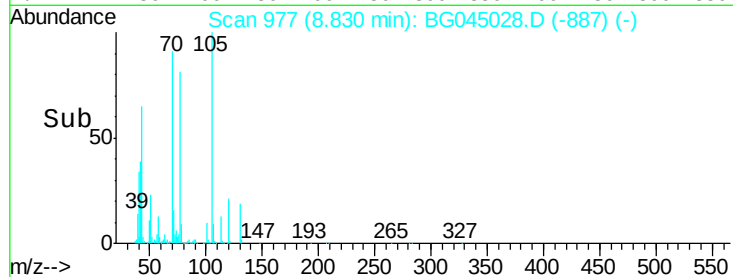
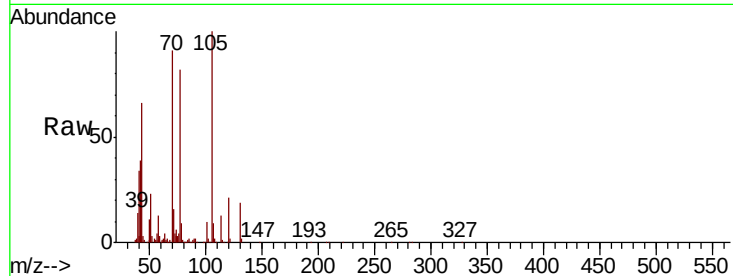
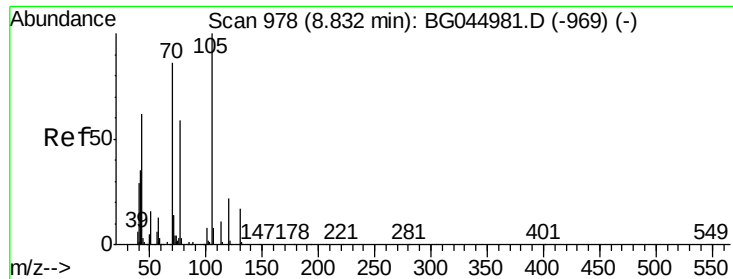
Abundance

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





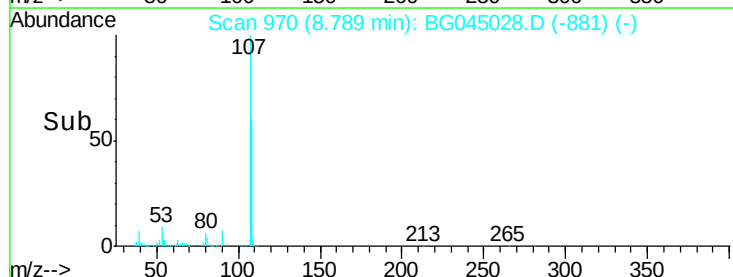
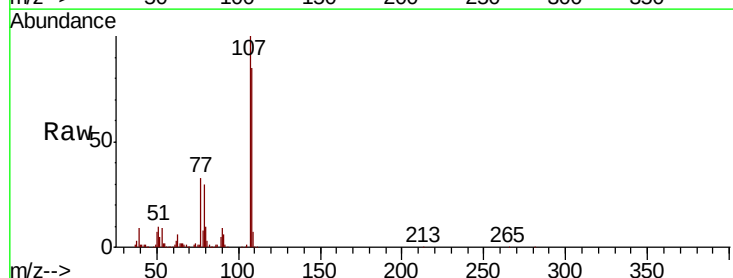
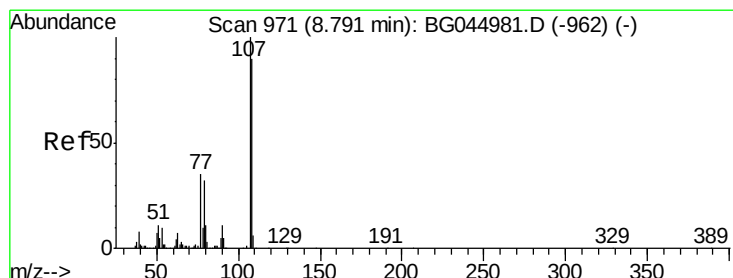
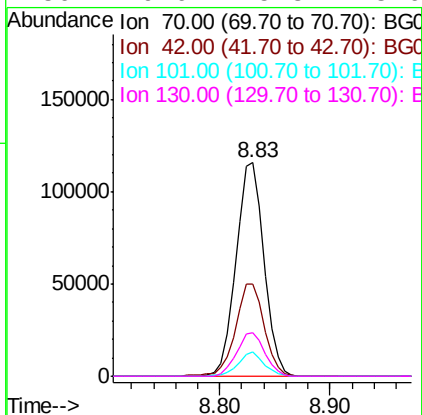
#19  
n-Nitroso-di-n-propylamine  
Concen: 50.262 ng  
RT: 8.83 min Scan# 977  
Delta R.T. 0.00 min  
Lab File: BG045028.D  
Acq: 17 Apr 2020 11:50

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 70      | 100  |       | 205394 |       |       |
| 42      | 43.0 | 33.3  | 49.9   |       |       |
| 101     | 11.4 | 7.8   | 11.8   |       |       |
| 130     | 20.6 | 15.8  | 23.6   |       |       |

Instrument :  
BNA\_G  
ClientSampleId :  
PB128274BS

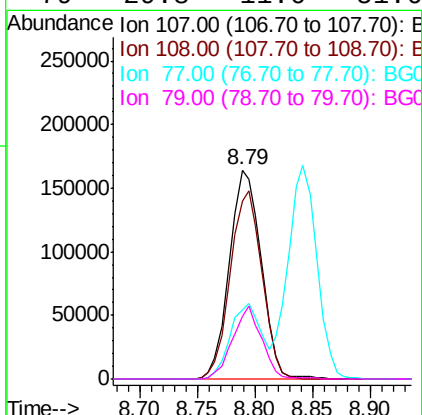
Manual Integrations  
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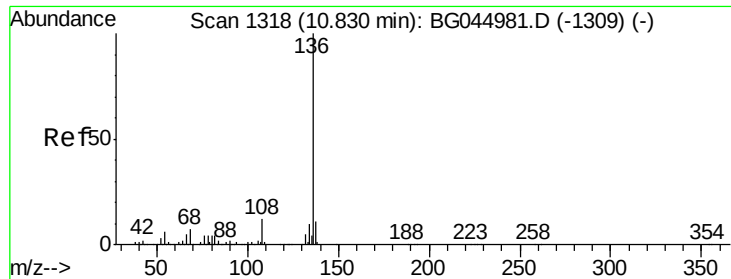
mohammad  
4/20/2020 2:27:57 PM



#20  
3+4-Methylphenols  
Concen: 50.117 ng  
RT: 8.79 min Scan# 970  
Delta R.T. -0.01 min  
Lab File: BG045028.D  
Acq: 17 Apr 2020 11:50

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 107     | 100  |       | 312954 |       |       |
| 108     | 85.2 | 69.9  | 109.9  |       |       |
| 77      | 33.1 | 15.2  | 55.2   |       |       |
| 79      | 29.8 | 11.6  | 51.6   |       |       |





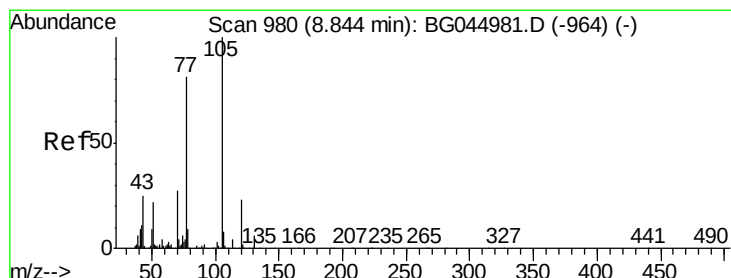
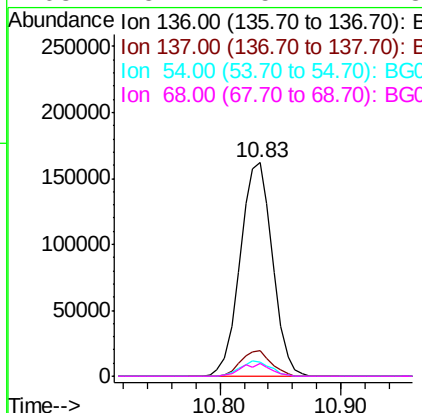
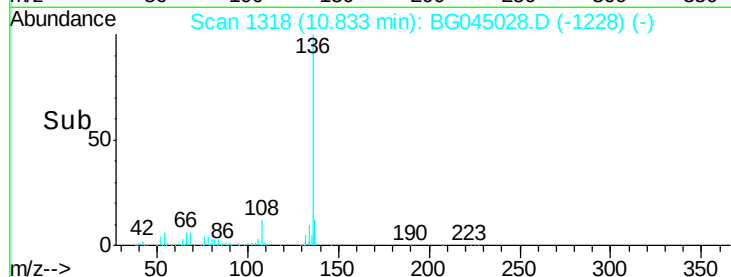
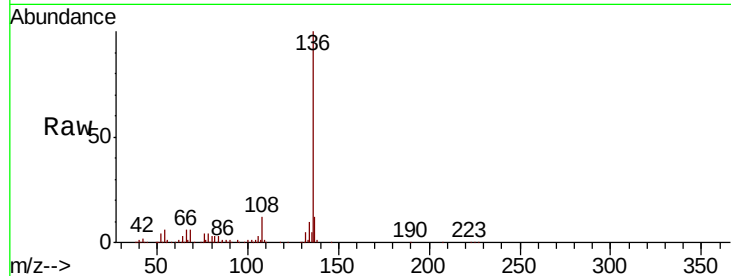
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.83 min Scan# 1318  
Delta R.T. 0.00 min  
Lab File: BG045028.D  
Acq: 17 Apr 2020 11:50

Instrument :  
BNA\_G  
ClientSampleId :  
PB128274BS

| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 136     | 100  |       |      |       |       |
| 137     | 11.9 |       | 8.6  | 13.0  |       |
| 54      | 6.5  |       | 4.8  | 7.2   |       |
| 68      | 5.7  |       | 5.2  | 7.8   |       |

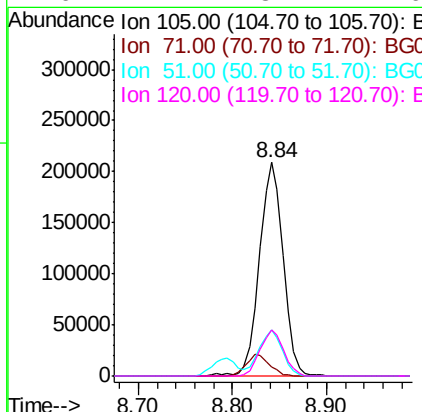
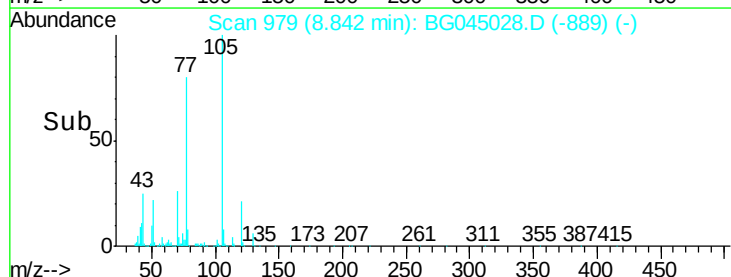
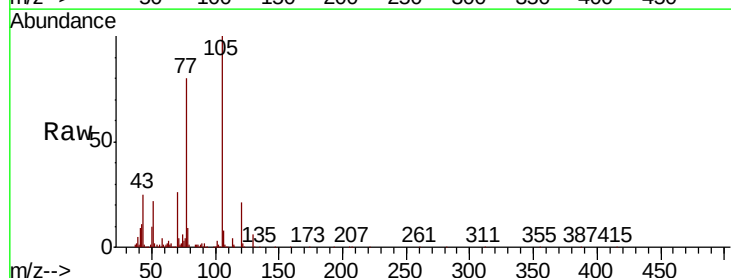
Manual Integrations  
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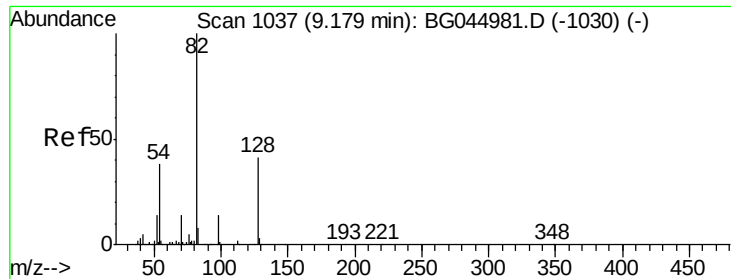
mohammad  
4/20/2020 2:27:57 PM



#22  
Acetophenone  
Concen: 44.793 ng  
RT: 8.84 min Scan# 979  
Delta R.T. 0.00 min  
Lab File: BG045028.D  
Acq: 17 Apr 2020 11:50

| Tgt Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 105     | 100  |       |      |       |       |
| 71      | 3.9  |       | 3.3  | 4.9   |       |
| 51      | 21.7 |       | 17.3 | 25.9  |       |
| 120     | 21.4 |       | 18.4 | 27.6  |       |





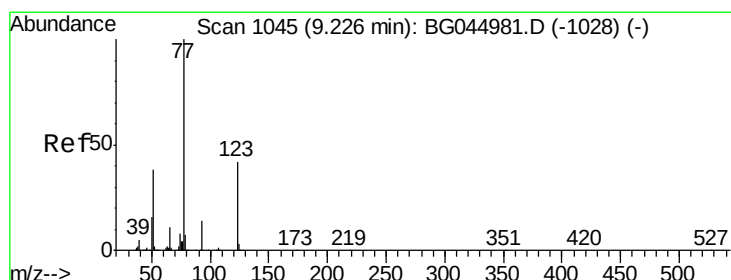
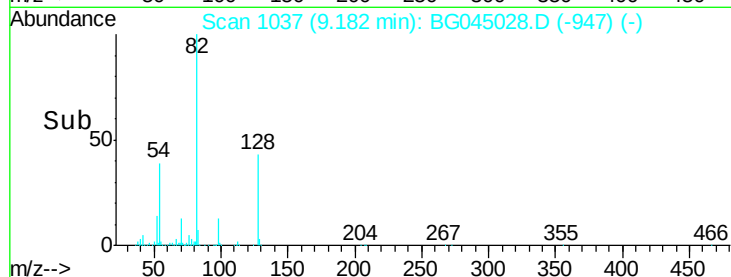
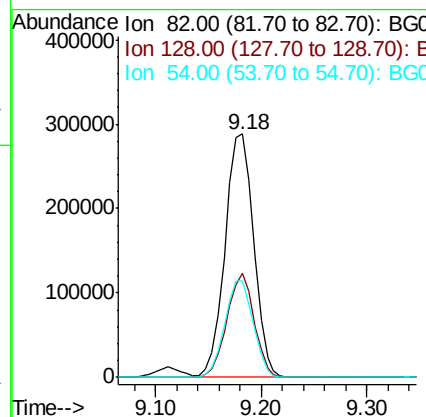
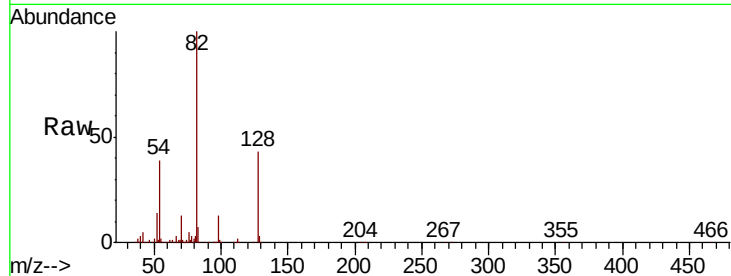
#23  
 Nitrobenzene-d5  
 Concen: 82.184 ng  
 RT: 9.18 min Scan# 1037  
 Delta R.T. 0.00 min  
 Lab File: BG045028.D  
 Acq: 17 Apr 2020 11:50

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB128274BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 82      | 100   | 542658 |       |       |
| 128     | 43.0  |        | 33.0  | 49.4  |
| 54      | 39.4  |        | 30.4  | 45.6  |

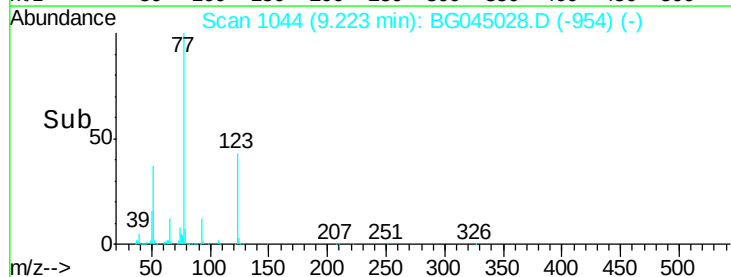
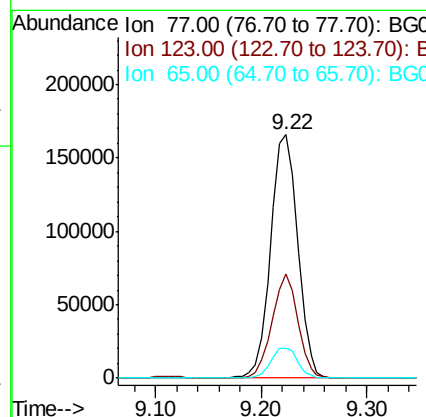
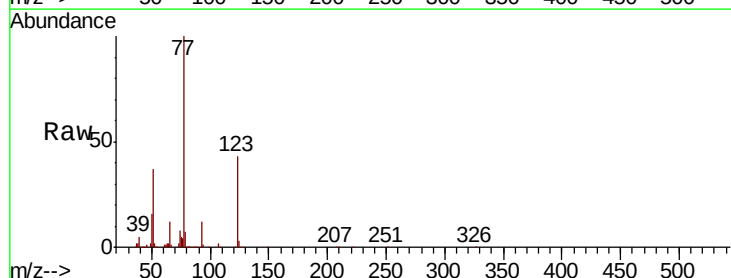
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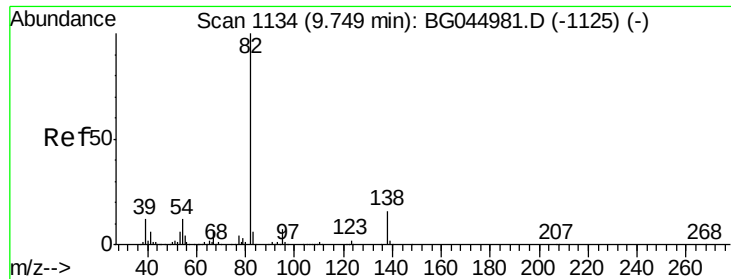


#24  
 Nitrobenzene  
 Concen: 43.617 ng  
 RT: 9.22 min Scan# 1044  
 Delta R.T. 0.00 min  
 Lab File: BG045028.D  
 Acq: 17 Apr 2020 11:50

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 77      | 100   | 295209 |       |       |
| 123     | 42.7  |        | 34.3  | 51.5  |
| 65      | 12.4  |        | 8.9   | 13.3  |







#25

Isophorone

Concen: 43.672 ng

RT: 9.75 min Scan# 1134

Delta R.T. 0.00 min

Lab File: BG045028.D

Acq: 17 Apr 2020 11:50

Instrument :

BNA\_G

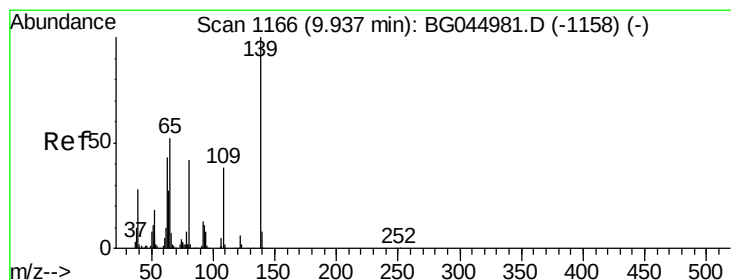
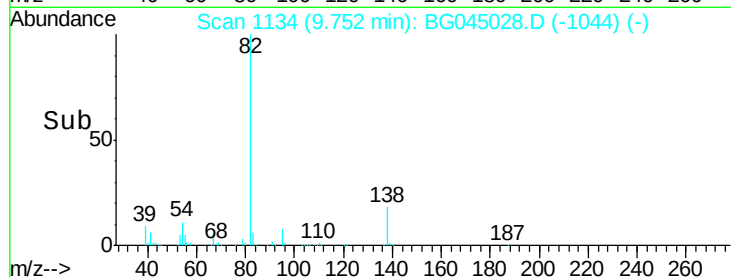
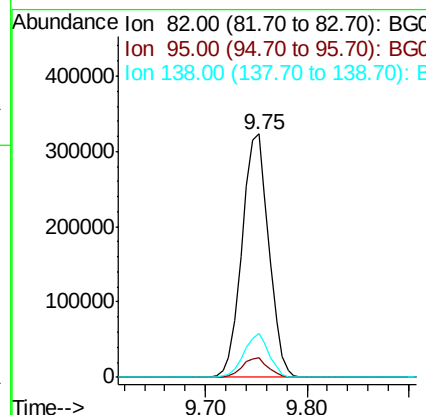
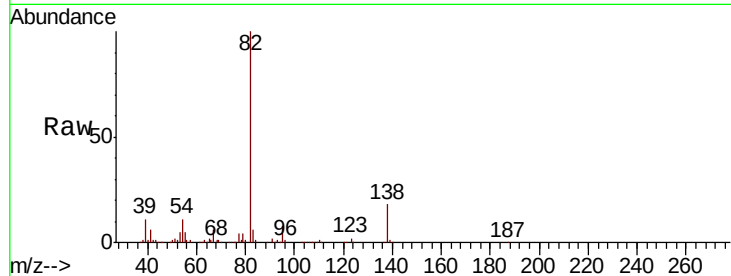
ClientSampleId :

PB128274BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 82    | Resp: | 590526 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 95        | 7.9   | 6.0   | 9.0    |
| 138       | 17.8  | 12.7  | 19.1   |

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#26

2-Nitrophenol

Concen: 47.338 ng

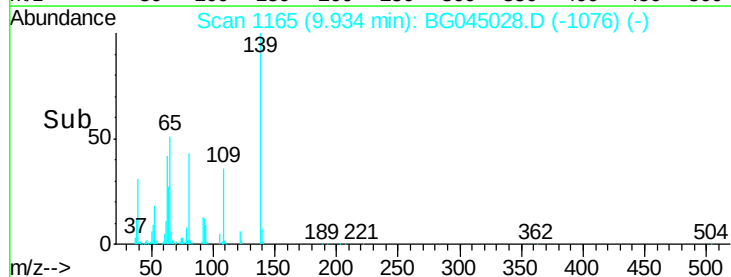
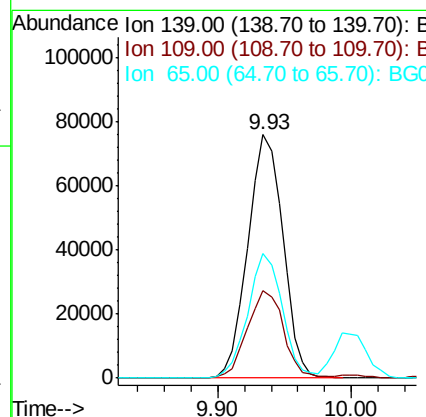
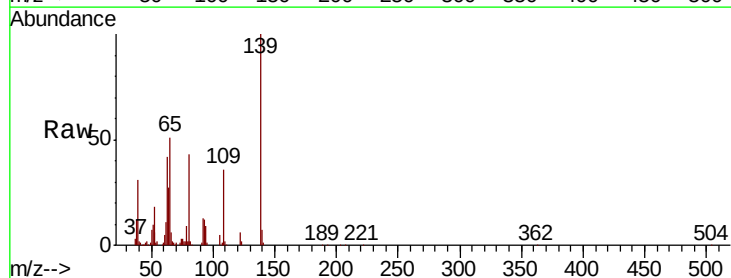
RT: 9.93 min Scan# 1165

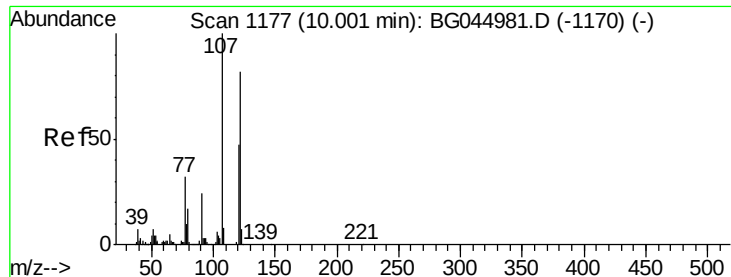
Delta R.T. -0.01 min

Lab File: BG045028.D

Acq: 17 Apr 2020 11:50

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 139   | Resp: | 138008 |
| Ion Ratio | Lower | Upper |        |
| 139       | 100   |       |        |
| 109       | 36.2  | 30.6  | 45.8   |
| 65        | 51.3  | 41.8  | 62.6   |





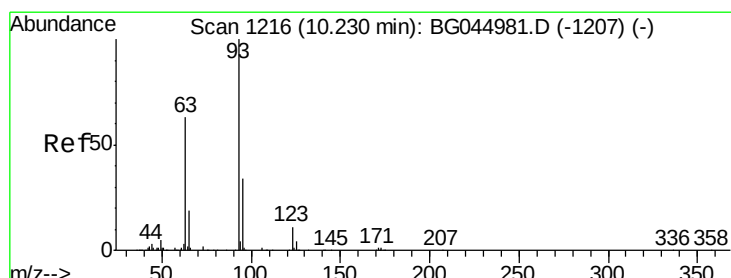
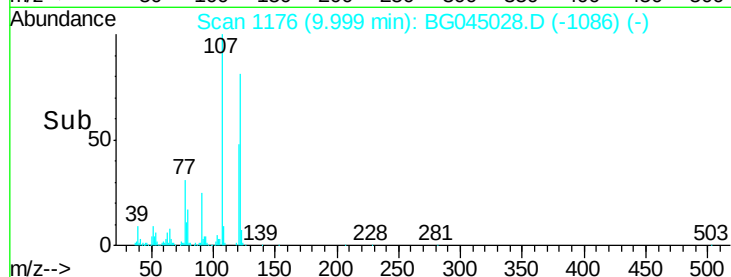
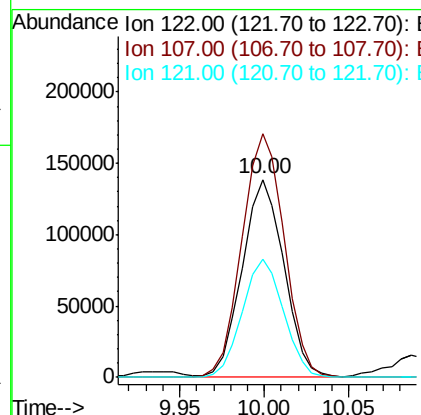
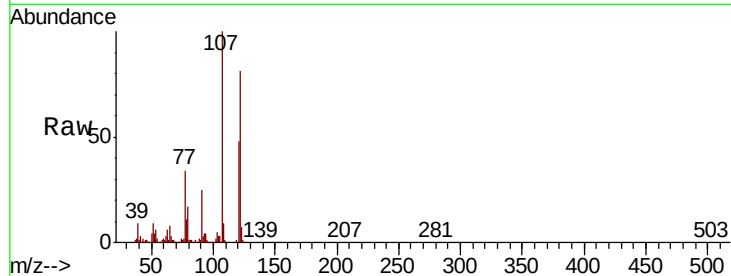
#27  
2,4-Dimethylphenol  
Concen: 51.195 ng  
RT: 10.00 min Scan# 1176  
Delta R.T. 0.00 min  
Lab File: BG045028.D  
Acq: 17 Apr 2020 11:50

Instrument :  
BNA\_G  
ClientSampleId :  
PB128274BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 122     | 100   | 236825 |       |       |
| 107     | 123.0 | 96.8   | 145.2 |       |
| 121     | 59.6  | 45.6   | 68.4  |       |

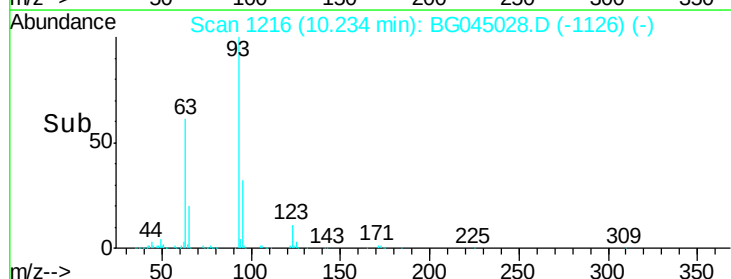
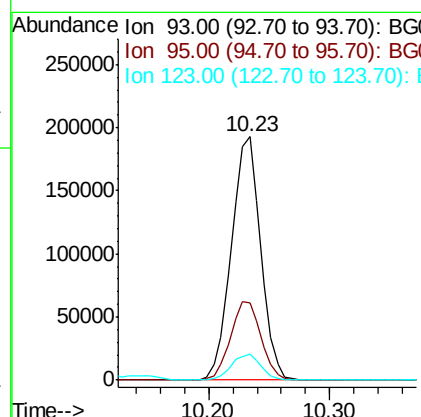
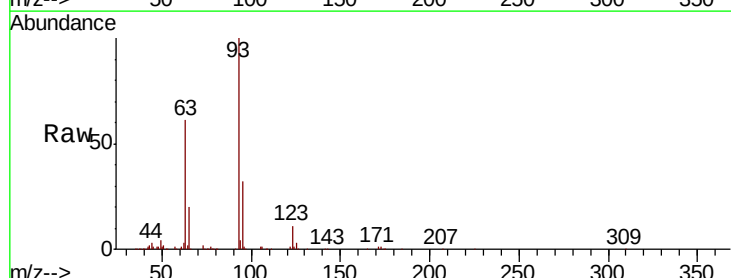
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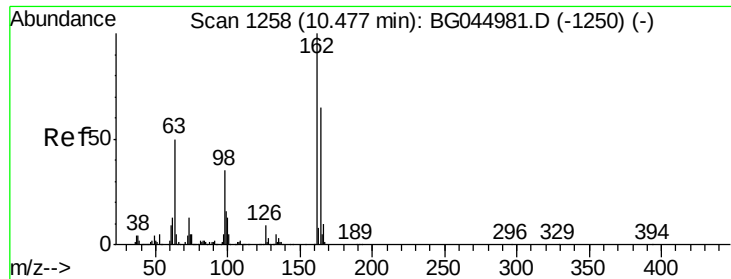
mohammad  
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#28  
bis(2-Chloroethoxy)methane  
Concen: 45.732 ng  
RT: 10.23 min Scan# 1216  
Delta R.T. 0.00 min  
Lab File: BG045028.D  
Acq: 17 Apr 2020 11:50

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 93      | 100   | 324908 |       |       |
| 95      | 31.9  | 27.0   | 40.4  |       |
| 123     | 10.8  | 8.7    | 13.1  |       |





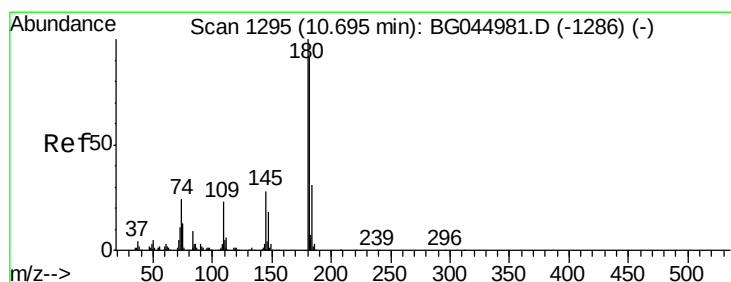
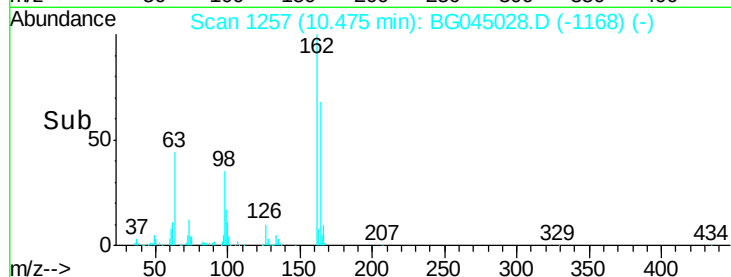
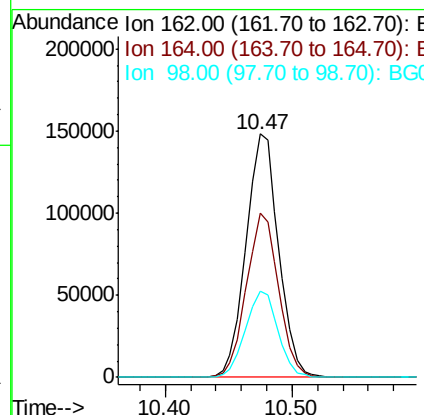
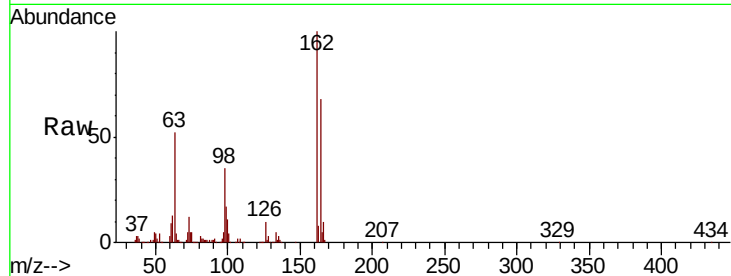
#29  
 2,4-Dichlorophenol  
 Concen: 49.510 ng  
 RT: 10.47 min Scan# 1257  
 Delta R.T. -0.01 min  
 Lab File: BG045028.D  
 Acq: 17 Apr 2020 11:50

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB128274BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 162     | 100   | 264458 |       |       |
| 164     | 67.7  | 45.0   | 85.0  |       |
| 98      | 35.5  | 15.2   | 55.2  |       |

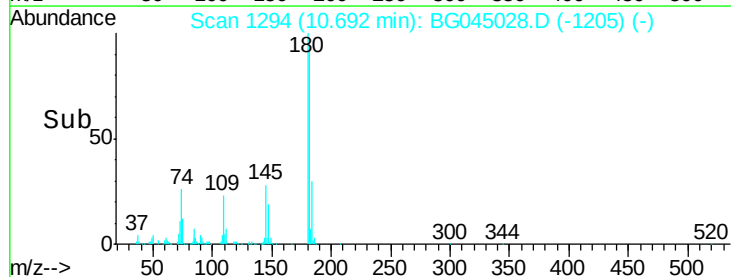
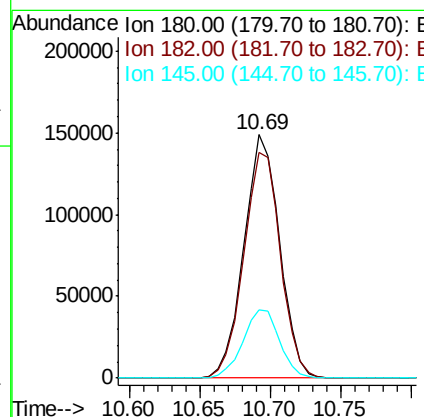
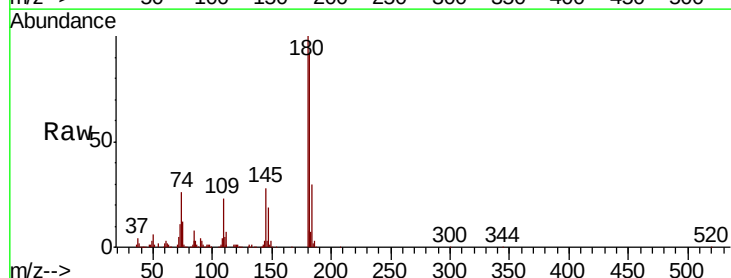
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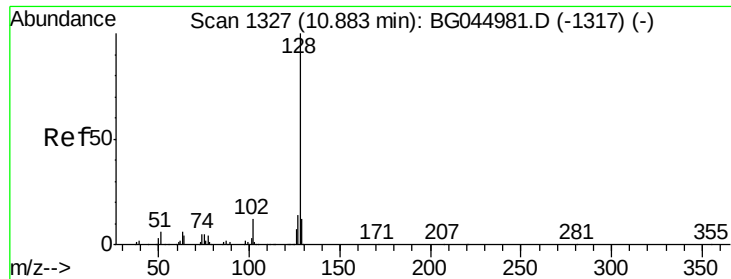
mohammad  
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#30  
 1,2,4-Trichlorobenzene  
 Concen: 43.483 ng  
 RT: 10.69 min Scan# 1294  
 Delta R.T. -0.01 min  
 Lab File: BG045028.D  
 Acq: 17 Apr 2020 11:50

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 262972 |       |       |
| 182     | 92.5  | 73.3   | 109.9 |       |
| 145     | 28.0  | 22.6   | 33.8  |       |





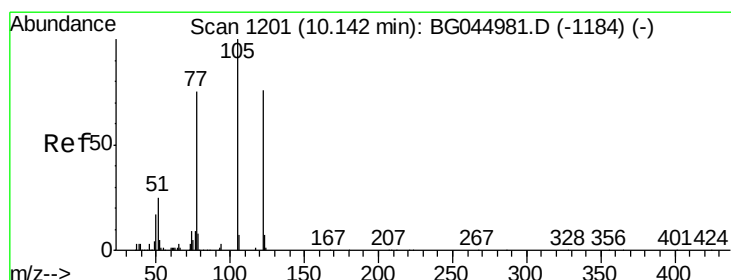
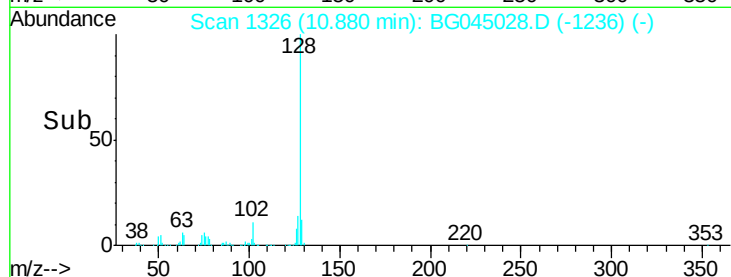
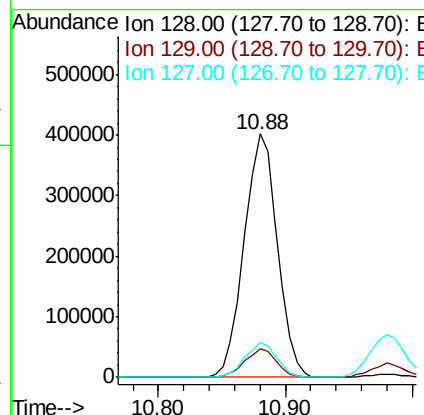
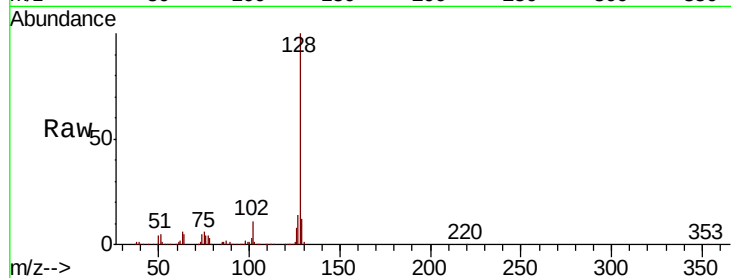
#31  
Naphthalene  
Concen: 44.257 ng  
RT: 10.88 min Scan# 1326  
Delta R.T. 0.00 min  
Lab File: BG045028.D  
Acq: 17 Apr 2020 11:50

Instrument :  
BNA\_G  
ClientSampleId :  
PB128274BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 11.7  | 9.4   | 14.2  |
| 127     | 14.2  | 10.8  | 16.2  |

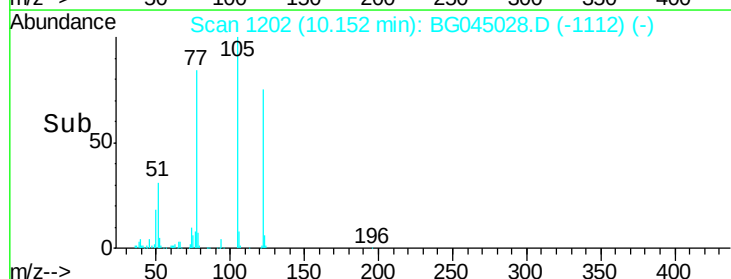
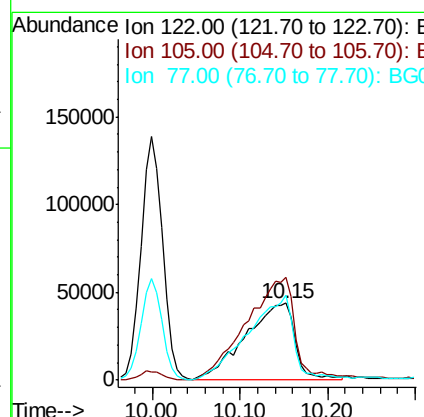
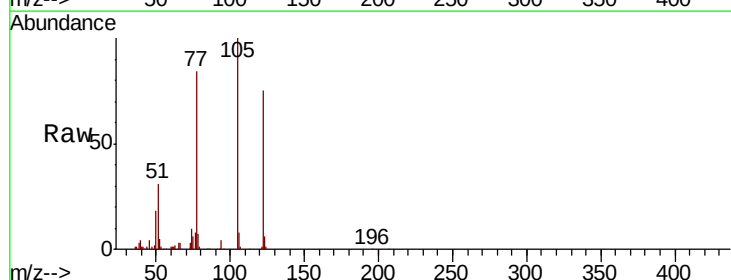
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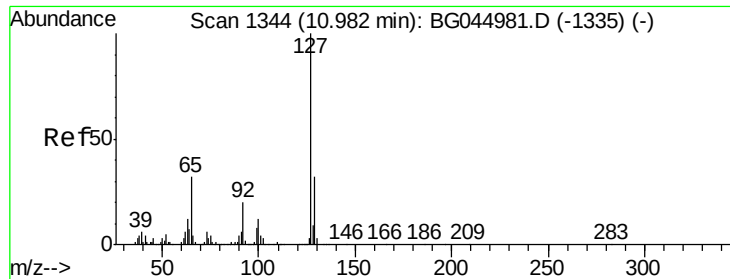
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4/20/2020 2:27:57 PM



#32  
Benzoic acid  
Concen: 45.203 ng  
RT: 10.15 min Scan# 1202  
Delta R.T. 0.00 min  
Lab File: BG045028.D  
Acq: 17 Apr 2020 11:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 105     | 133.0 | 108.4 | 148.4 |
| 77      | 111.3 | 78.8  | 118.8 |





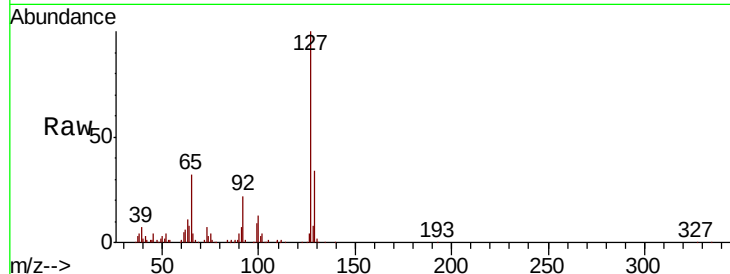
#33  
4-Chloroaniline  
Concen: 17.974 ng  
RT: 10.98 min Scan# 1343  
Delta R.T. -0.01 min  
Lab File: BG045028.D  
Acq: 17 Apr 2020 11:50

Instrument :  
BNA\_G  
ClientSampled :  
PB128274BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 127     | 100   | 138158 |       |       |
| 129     | 33.8  | 25.7   | 38.5  |       |
| 65      | 32.4  | 25.4   | 38.2  |       |
| 92      | 21.7  | 16.1   | 24.1  |       |

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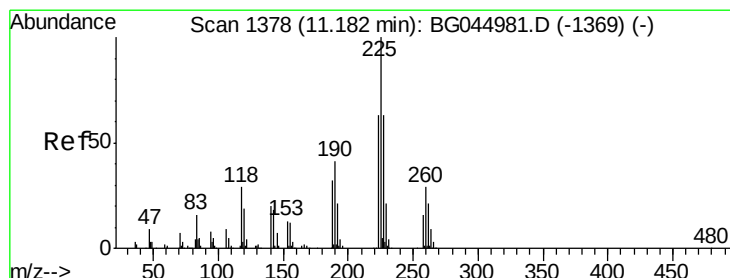
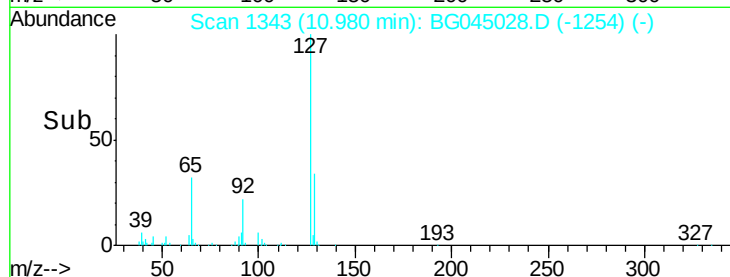
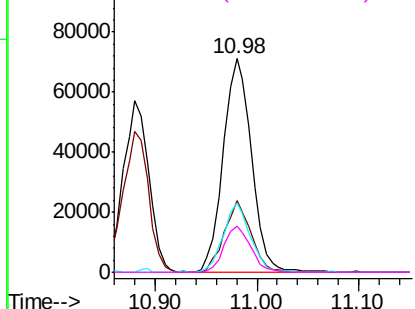
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

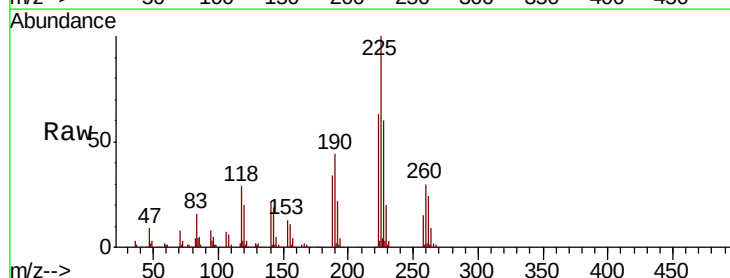
Ion 65.00 (64.70 to 65.70): BG

Ion 92.00 (91.70 to 92.70): BG



#34  
Hexachlorobutadiene  
Concen: 40.671 ng  
RT: 11.18 min Scan# 1377  
Delta R.T. 0.00 min  
Lab File: BG045028.D  
Acq: 17 Apr 2020 11:50

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 168639 |       |       |
| 223     | 62.9  | 50.7   | 76.1  |       |
| 227     | 60.4  | 50.2   | 75.2  |       |

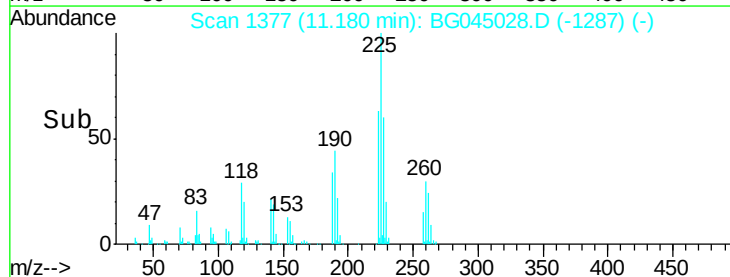
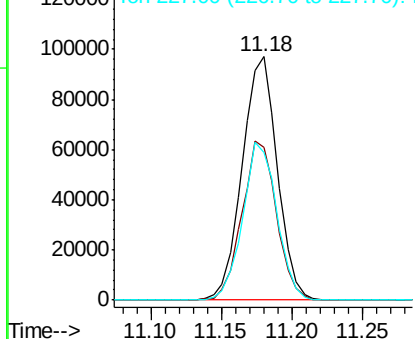


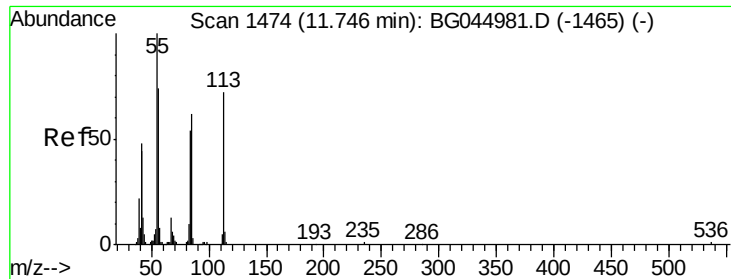
Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





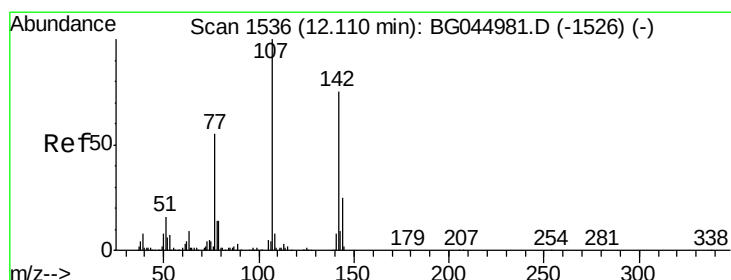
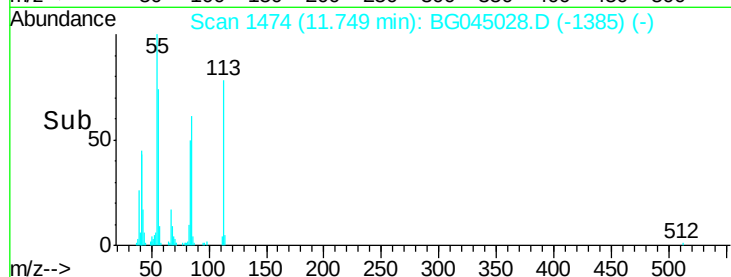
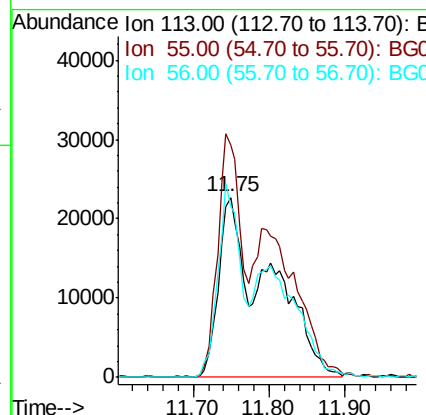
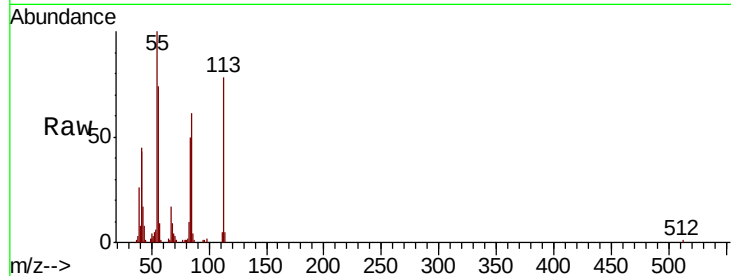
#35  
 Caprolactam  
 Concen: 48.852 ng/ml  
 RT: 11.75 min Scan# 1474  
 Delta R.T. -0.01 min  
 Lab File: BG045028.D  
 Acq: 17 Apr 2020 11:50

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB128274BS

| Tot Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 113     | 100   |       | 103854 |       |       |
| 55      | 128.8 |       | 118.8  | 158.8 |       |
| 56      | 95.2  |       | 82.6   | 122.6 |       |

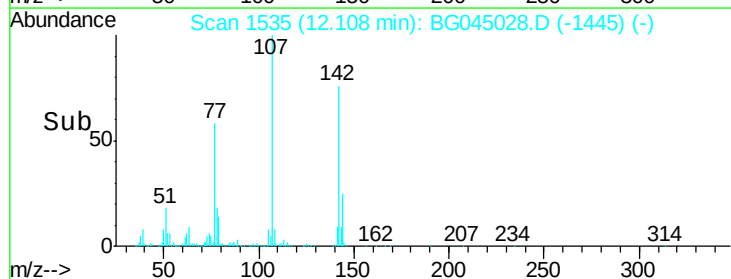
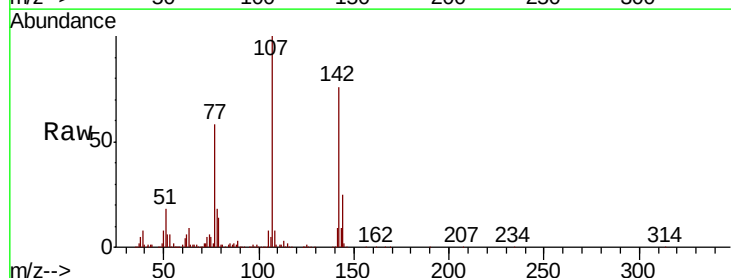
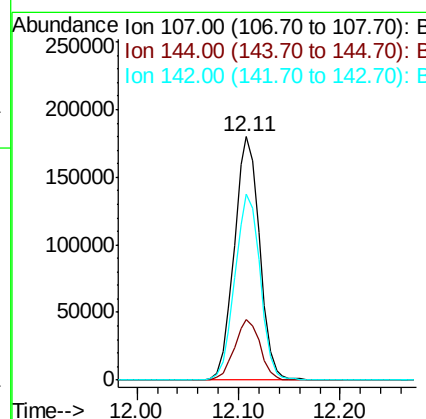
Manual Integrations  
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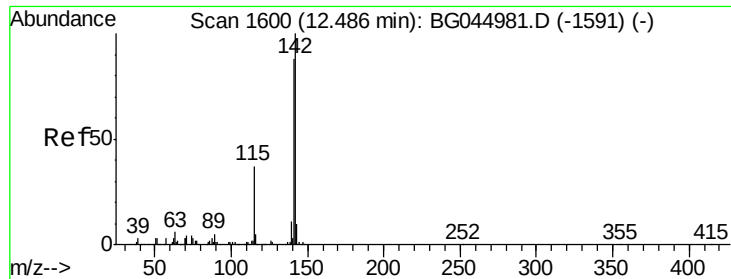
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 4/20/2020 2:27:57 PM



#36  
 4-Chloro-3-methylphenol  
 Concen: 49.618 ng/ml  
 RT: 12.11 min Scan# 1535  
 Delta R.T. 0.00 min  
 Lab File: BG045028.D  
 Acq: 17 Apr 2020 11:50

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 107     | 100  |       | 311348 |       |       |
| 144     | 24.7 |       | 19.8   | 29.6  |       |
| 142     | 76.3 |       | 59.7   | 89.5  |       |





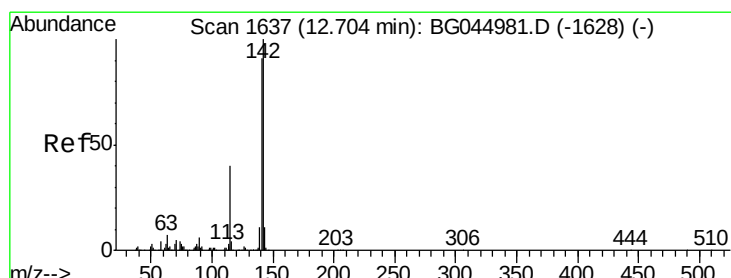
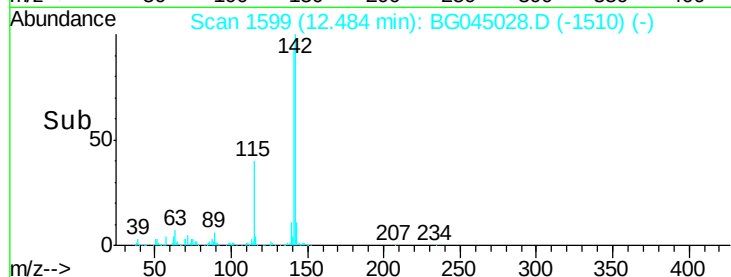
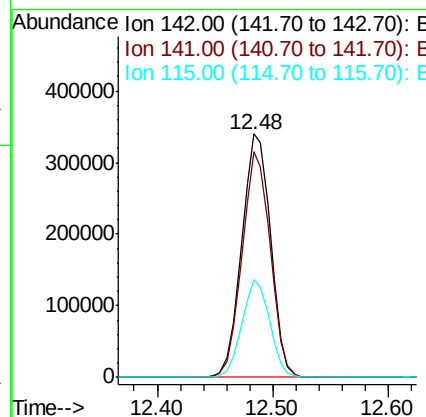
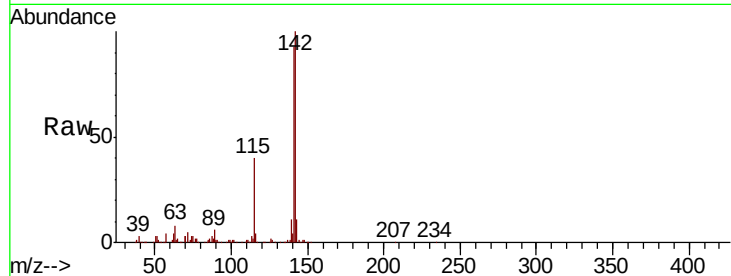
#37  
 2-Methylnaphthalene  
 Concen: 45.857 ng  
 RT: 12.48 min Scan# 1599  
 Delta R.T. -0.01 min  
 Lab File: BG045028.D  
 Acq: 17 Apr 2020 11:50

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB128274BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 92.9  | 70.3  | 105.5 |
| 115     | 40.3  | 29.8  | 44.6  |

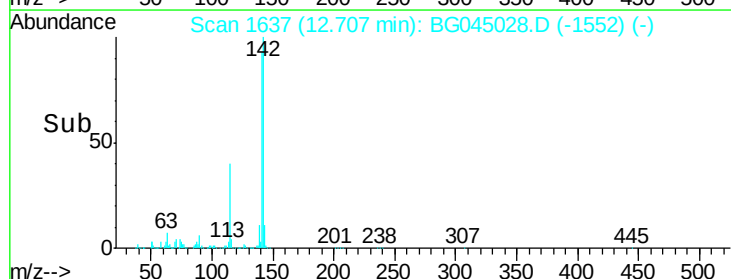
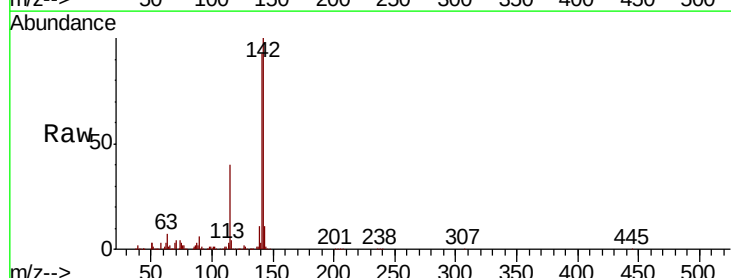
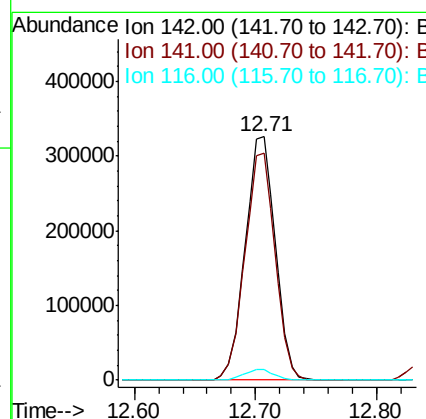
Manual Integrations  
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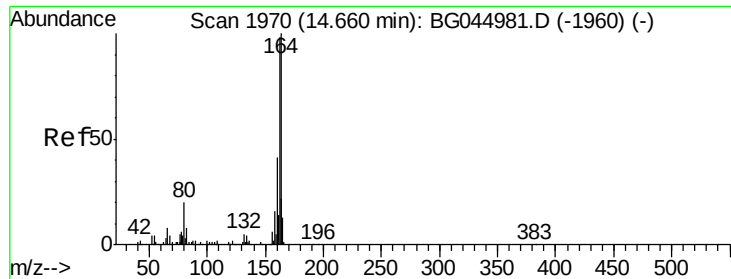
mohammad  
 4/20/2020 2:27:57 PM



#38  
 1-Methylnaphthalene  
 Concen: 46.857 ng  
 RT: 12.71 min Scan# 1637  
 Delta R.T. 0.00 min  
 Lab File: BG045028.D  
 Acq: 17 Apr 2020 11:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 93.3  | 72.7  | 109.1 |
| 116     | 4.3   | 3.1   | 4.7   |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1969

Delta R.T. 0.00 min

Lab File: BG045028.D

Acq: 17 Apr 2020 11:50

Instrument :

BNA\_G

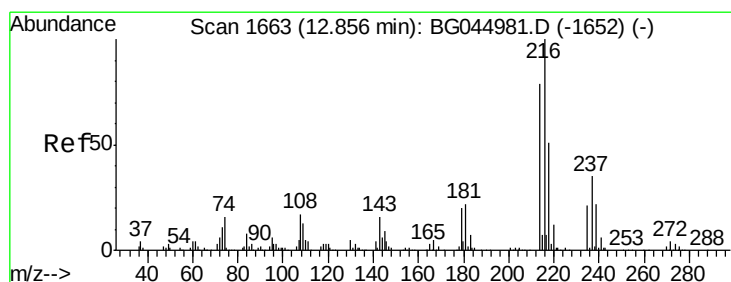
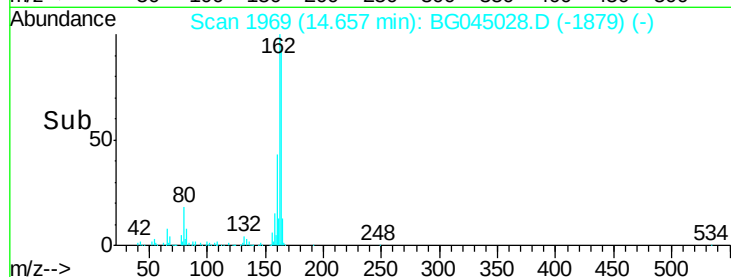
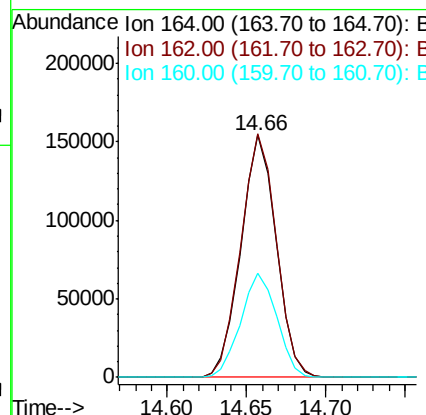
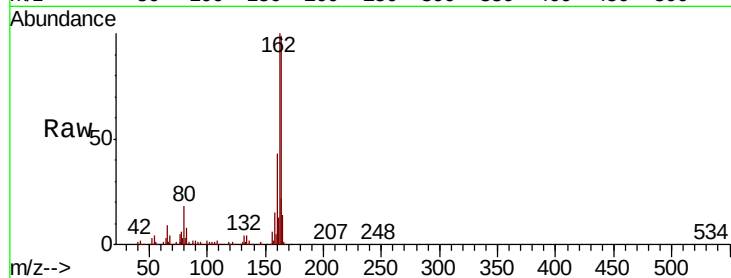
ClientSampleId :

PB128274BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 164   | Resp: | 239128 |
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 100.6 | 78.7  | 118.1  |
| 160       | 43.2  | 32.8  | 49.2   |

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#40

1,2,4,5-Tetrachlorobenzene

Concen: 41.961 ng

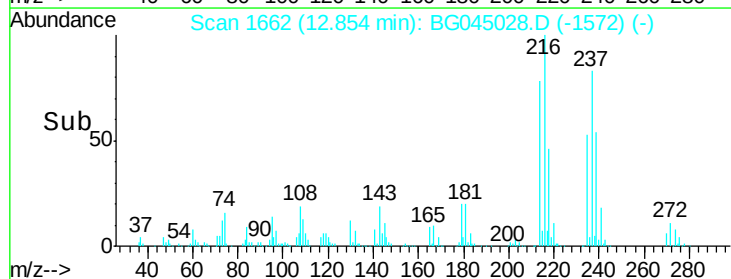
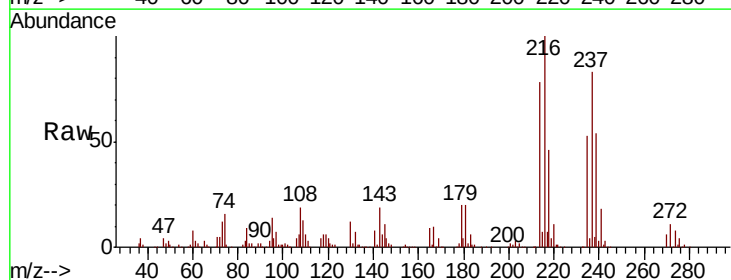
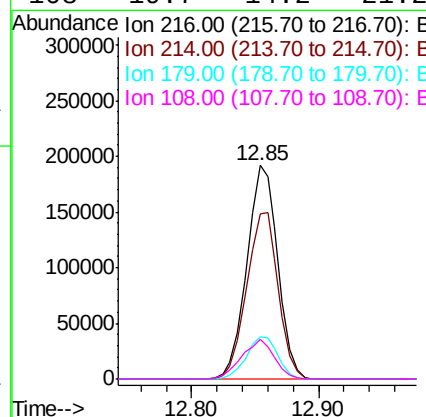
RT: 12.85 min Scan# 1662

Delta R.T. 0.00 min

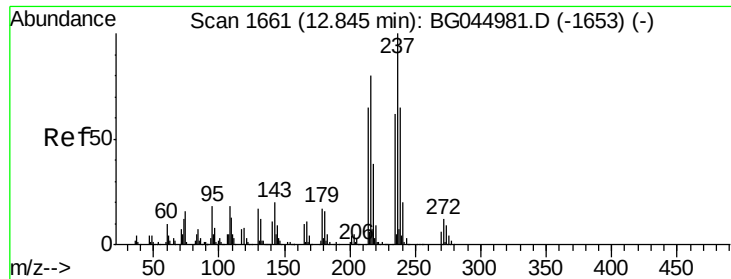
Lab File: BG045028.D

Acq: 17 Apr 2020 11:50

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 216   | Resp: | 323072 |
| Ion Ratio | Lower | Upper |        |
| 216       | 100   |       |        |
| 214       | 79.8  | 63.0  | 94.6   |
| 179       | 20.1  | 15.8  | 23.8   |
| 108       | 19.7  | 14.2  | 21.2   |







#41

Hexachlorocyclopentadiene

Concen: 98.137 ng

RT: 12.84 min Scan# 1660

Delta R.T. 0.00 min

Lab File: BG045028.D

Acq: 17 Apr 2020 11:50

Instrument :

BNA\_G

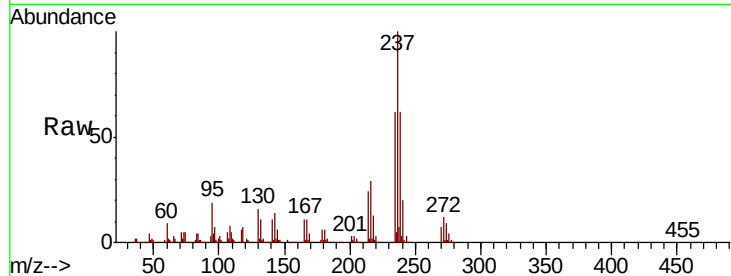
ClientSampleId :

PB128274BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 237     | 100   | 472250 |       |       |
| 235     | 62.1  | 41.6   | 81.6  |       |
| 272     | 12.4  | 0.0    | 32.1  |       |

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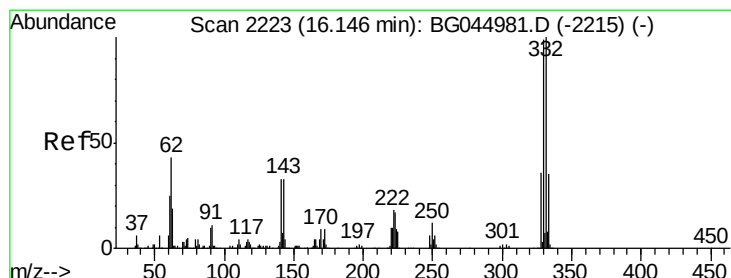
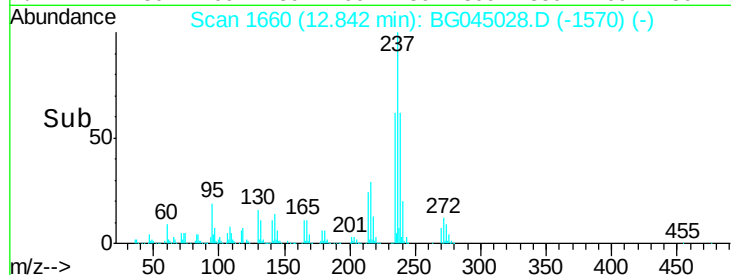
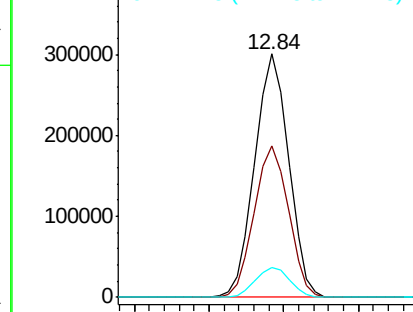


Abundance

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: 125.184 ng

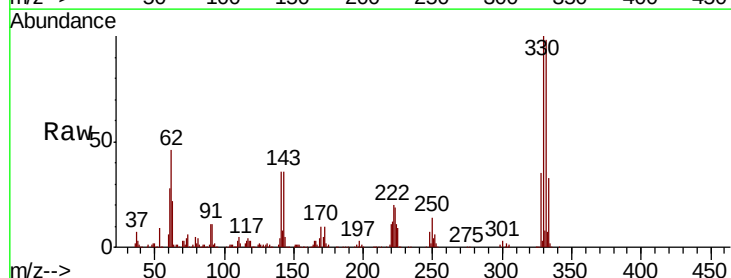
RT: 16.14 min Scan# 2222

Delta R.T. 0.00 min

Lab File: BG045028.D

Acq: 17 Apr 2020 11:50

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 330     | 100   | 462457 |       |       |
| 332     | 98.7  | 79.1   | 118.7 |       |
| 141     | 35.6  | 27.1   | 40.7  |       |

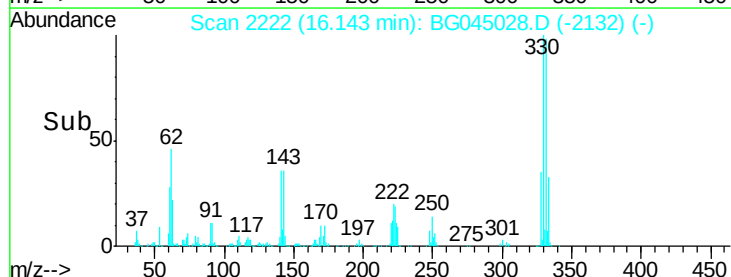
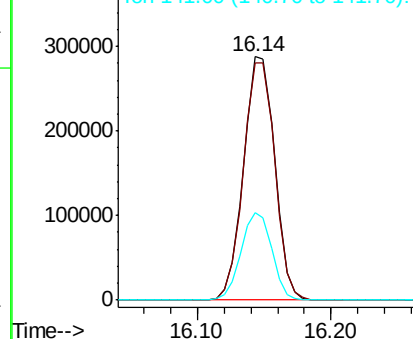


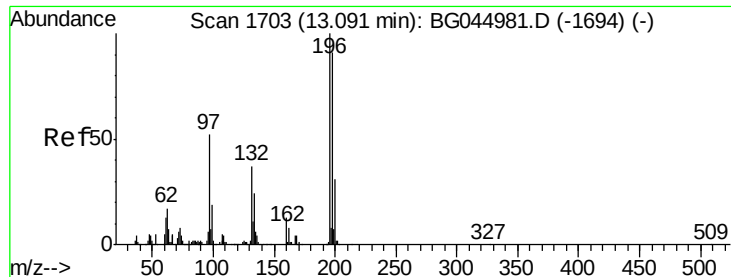
Abundance

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





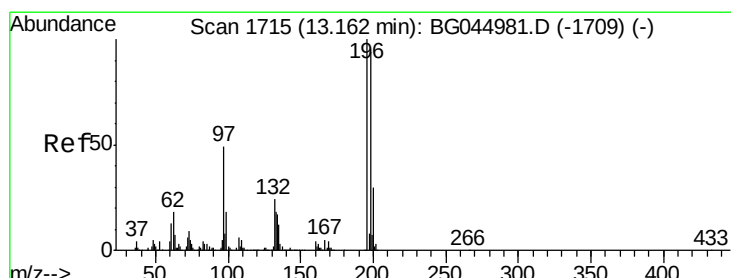
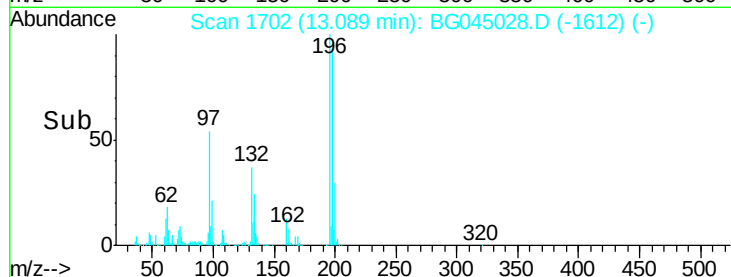
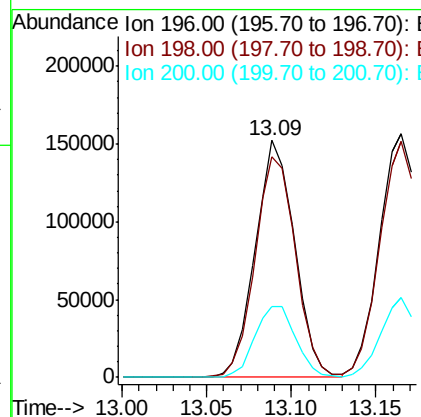
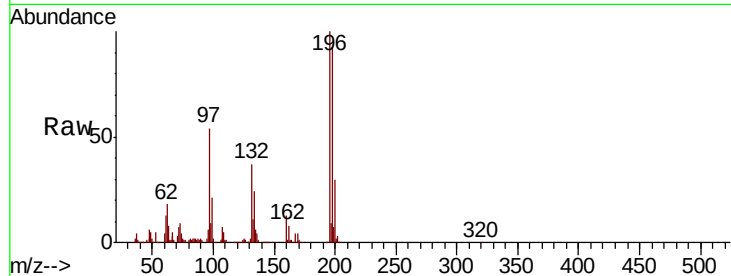
#43  
2,4,6-Trichlorophenol  
Concen: 45.313 ng  
RT: 13.09 min Scan# 1702  
Delta R.T. 0.00 min  
Lab File: BG045028.D  
Acq: 17 Apr 2020 11:50

Instrument :  
BNA\_G  
ClientSampleId :  
PB128274BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 246225 |       |       |
| 198     | 93.3  | 72.5   | 108.7 |       |
| 200     | 30.1  | 24.5   | 36.7  |       |

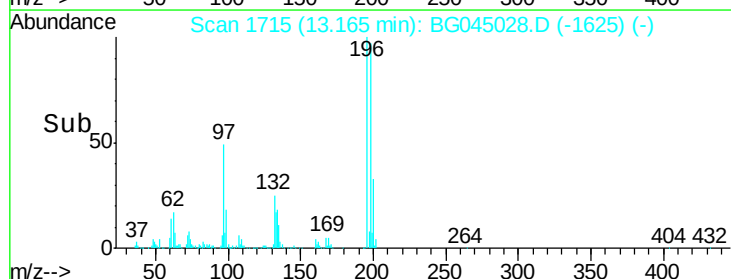
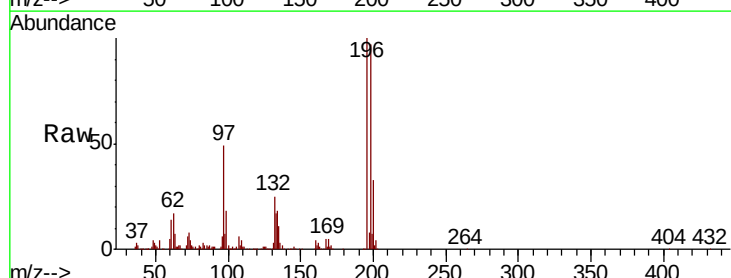
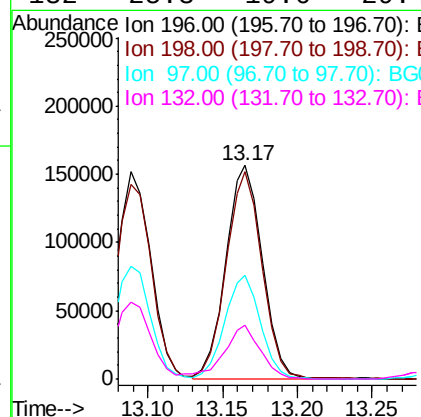
Manual Integrations  
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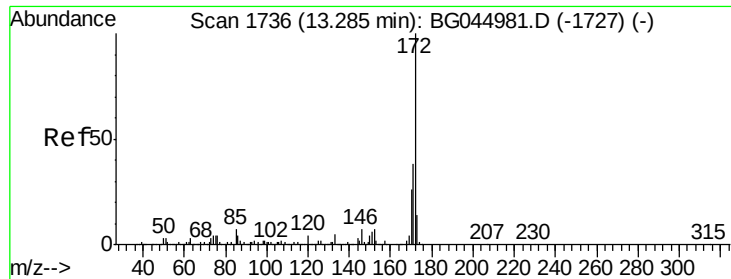
mohammad  
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#44  
2,4,5-Trichlorophenol  
Concen: 43.127 ng  
RT: 13.17 min Scan# 1715  
Delta R.T. 0.00 min  
Lab File: BG045028.D  
Acq: 17 Apr 2020 11:50

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 266751 |       |       |
| 198     | 97.0  | 75.7   | 113.5 |       |
| 97      | 48.7  | 39.6   | 59.4  |       |
| 132     | 25.3  | 19.6   | 29.4  |       |





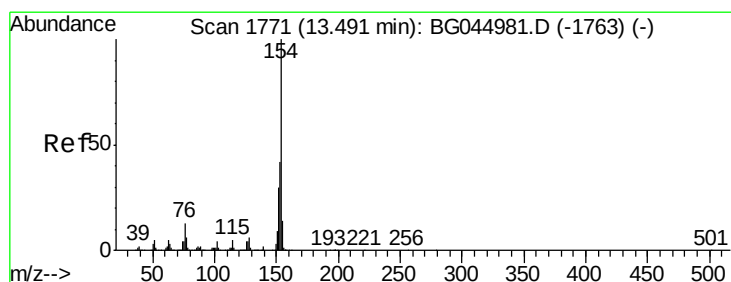
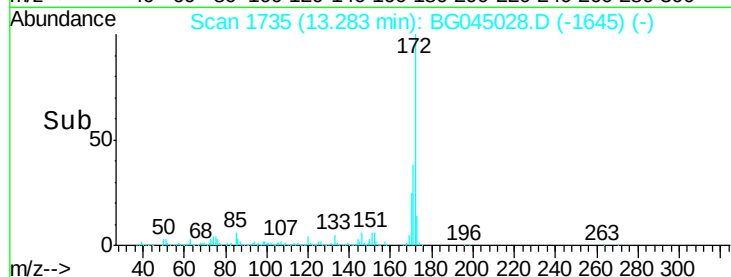
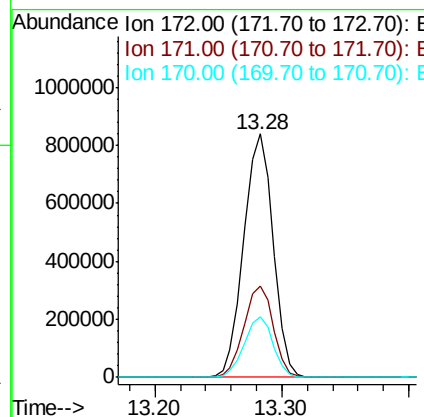
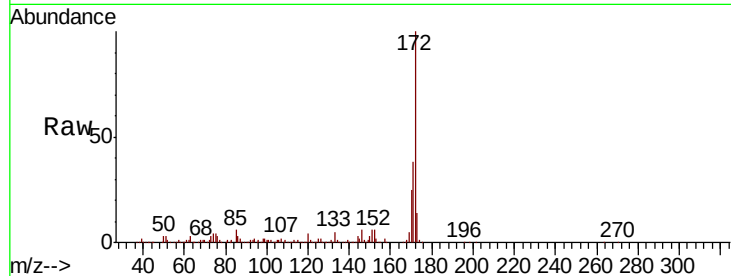
#45  
2-Fluorobiphenyl  
Concen: 82.877 ng  
RT: 13.28 min Scan# 1735  
Delta R.T. 0.00 min  
Lab File: BG045028.D  
Acq: 17 Apr 2020 11:50

Instrument :  
BNA\_G  
ClientSampleId :  
PB128274BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.7  | 30.6  | 46.0  |
| 170     | 24.7  | 20.5  | 30.7  |

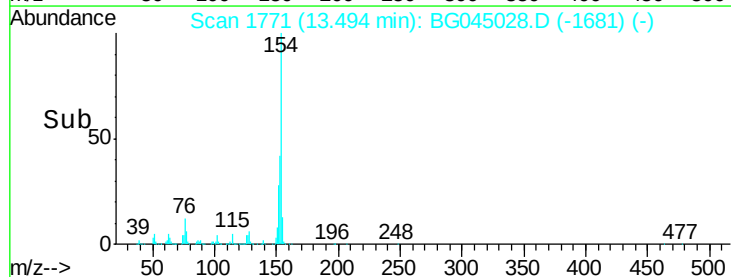
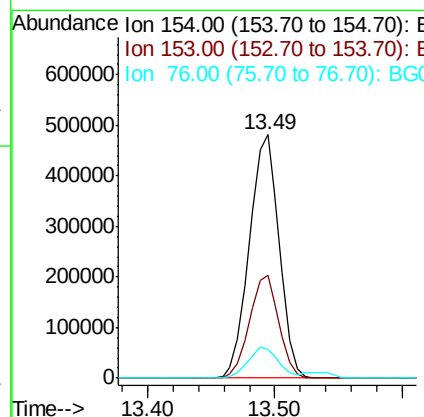
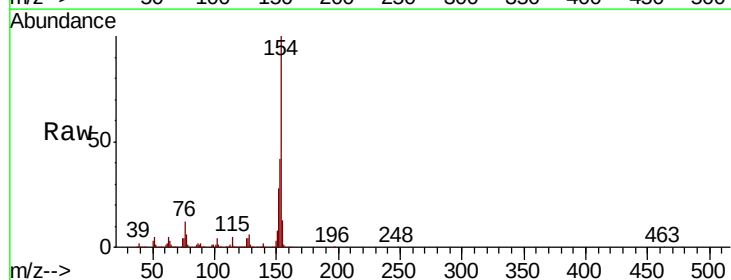
Manual Integrations  
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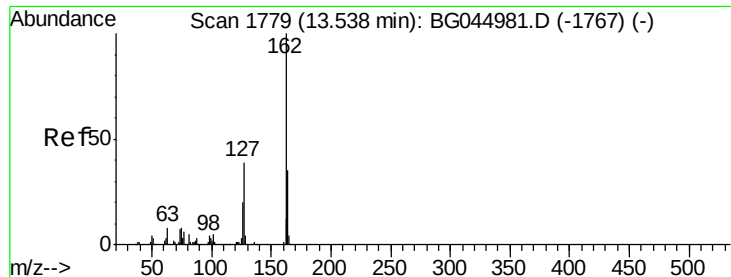
mohammad  
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#46  
1,1'-Biphenyl  
Concen: 43.148 ng  
RT: 13.49 min Scan# 1771  
Delta R.T. 0.00 min  
Lab File: BG045028.D  
Acq: 17 Apr 2020 11:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 42.5  | 21.9  | 61.9  |
| 76      | 11.9  | 0.0   | 33.1  |





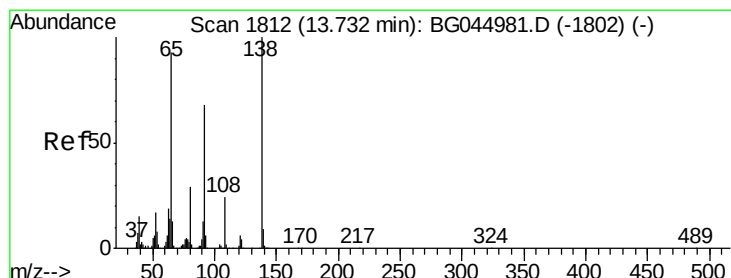
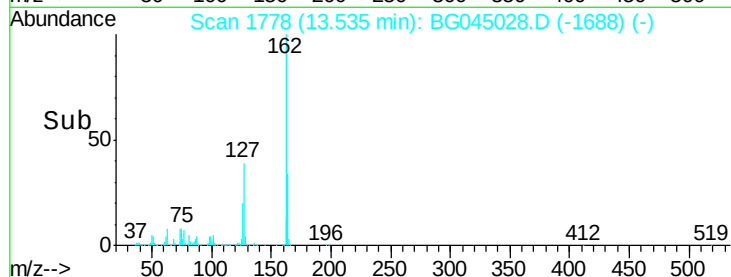
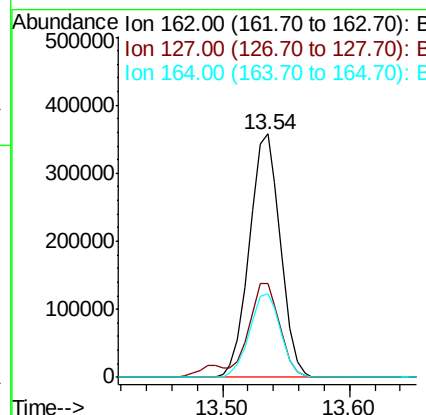
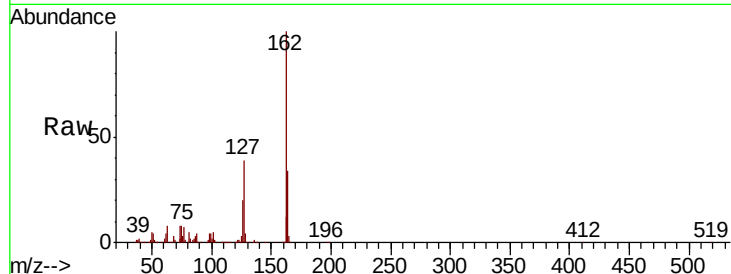
#47  
 2-Chloronaphthalene  
 Concen: 43.629 ng  
 RT: 13.54 min Scan# 1778  
 Delta R.T. 0.00 min  
 Lab File: BG045028.D  
 Acq: 17 Apr 2020 11:50

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB128274BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 162     | 100   | 605909 |       |       |
| 127     | 38.8  |        | 31.3  | 46.9  |
| 164     | 34.3  |        | 27.8  | 41.8  |

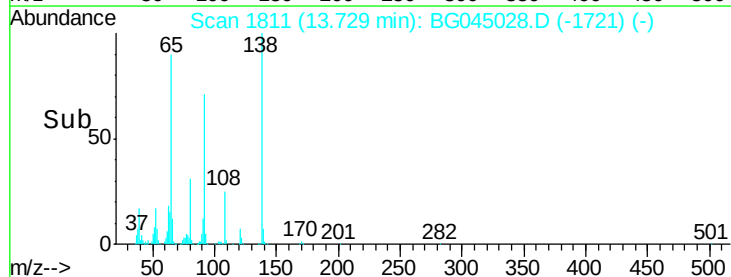
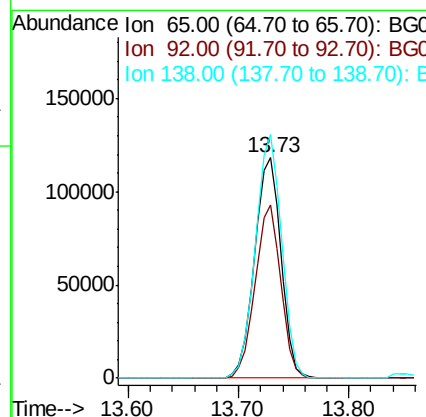
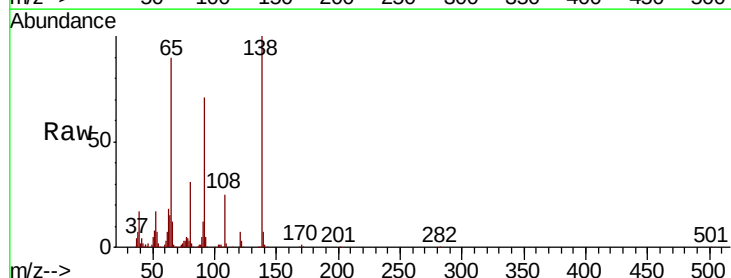
Manual Integrations  
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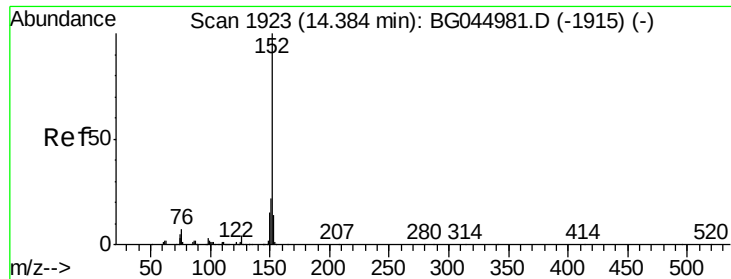
mohammad  
 4/20/2020 2:27:57 PM



#48  
 2-Nitroaniline  
 Concen: 43.653 ng  
 RT: 13.73 min Scan# 1811  
 Delta R.T. 0.00 min  
 Lab File: BG045028.D  
 Acq: 17 Apr 2020 11:50

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 199466 |       |       |
| 92      | 78.9  |        | 58.3  | 87.5  |
| 138     | 110.7 |        | 85.6  | 128.4 |





#49

Acenaphthylene

Concen: 44.538 ng

RT: 14.38 min Scan# 1922

Delta R.T. 0.00 min

Lab File: BG045028.D

Acq: 17 Apr 2020 11:50

Instrument :

BNA\_G

ClientSampleId :

PB128274BS

Tot Ion:152 Resp: 1007507

Ion Ratio Lower Upper

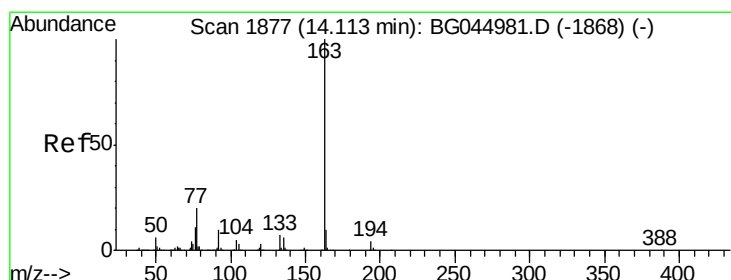
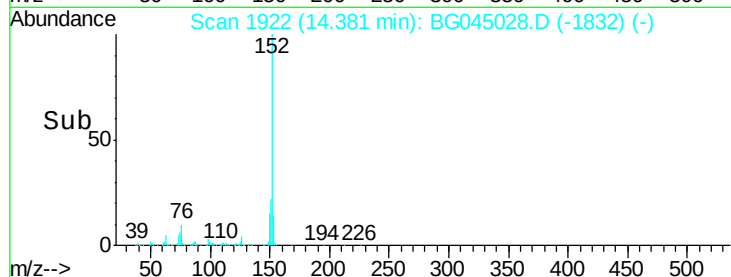
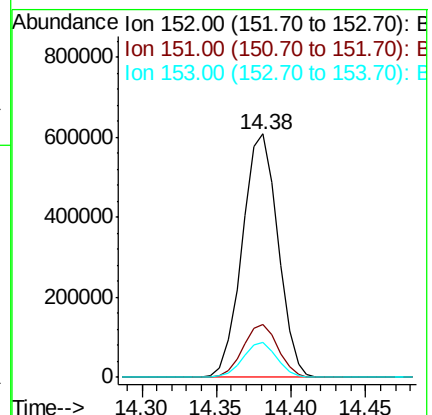
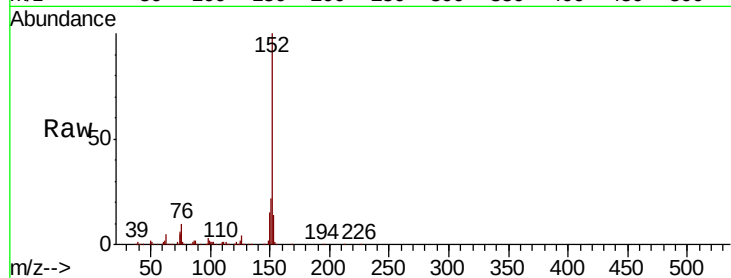
152 100

151 21.7 17.2 25.8

153 14.4 11.0 16.4

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#50

Dimethylphthalate

Concen: 43.865 ng

RT: 14.11 min Scan# 1876

Delta R.T. 0.00 min

Lab File: BG045028.D

Acq: 17 Apr 2020 11:50

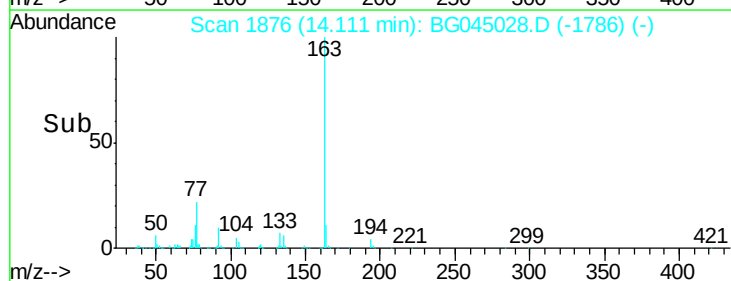
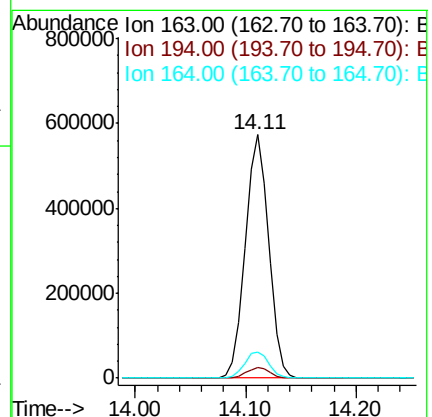
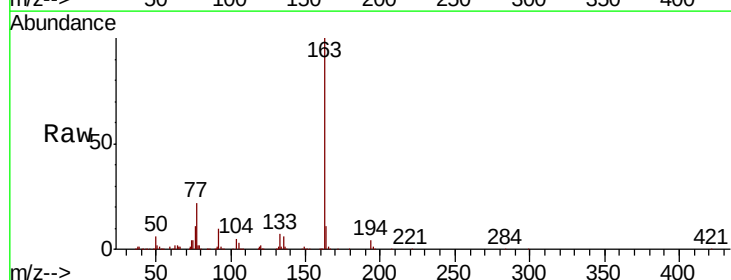
Tgt Ion:163 Resp: 854086

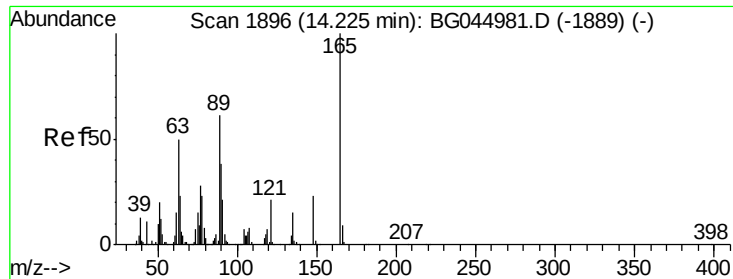
Ion Ratio Lower Upper

163 100

194 4.2 3.5 5.3

164 10.8 8.2 12.4





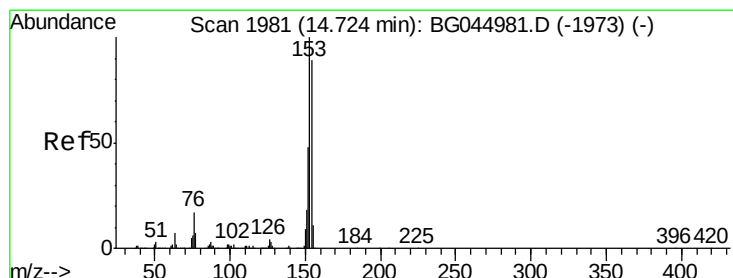
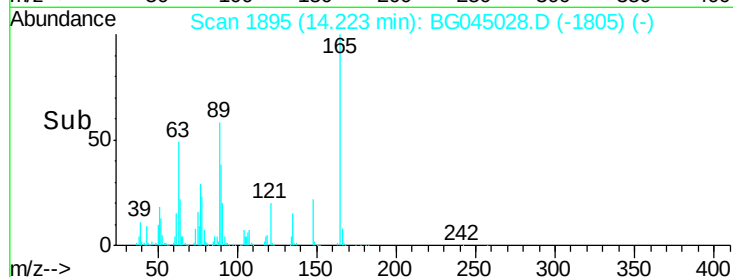
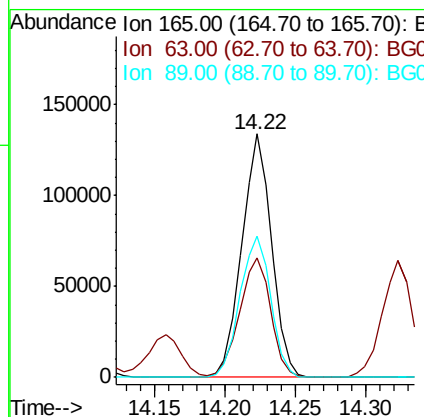
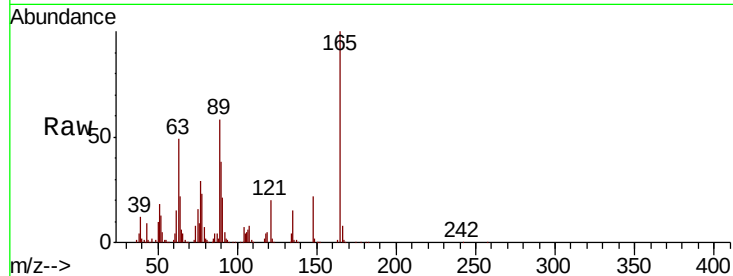
#51  
 2,6-Dinitrotoluene  
 Concen: 45.204 ng  
 RT: 14.22 min Scan# 1895  
 Delta R.T. 0.00 min  
 Lab File: BG045028.D  
 Acq: 17 Apr 2020 11:50

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB128274BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 165     | 100   | 196866 |       |       |
| 63      | 49.0  |        | 40.4  | 60.6  |
| 89      | 57.8  |        | 49.1  | 73.7  |

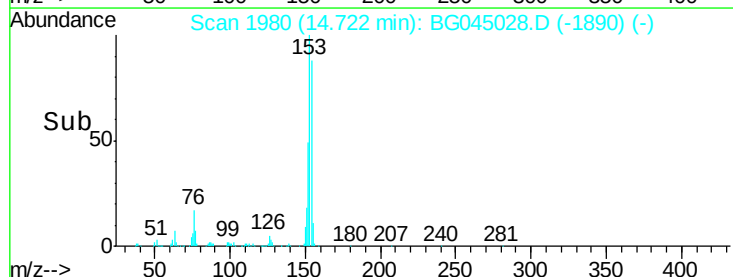
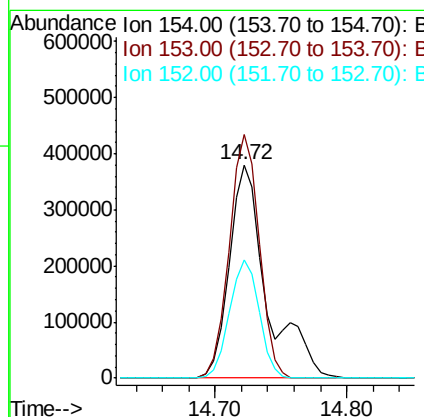
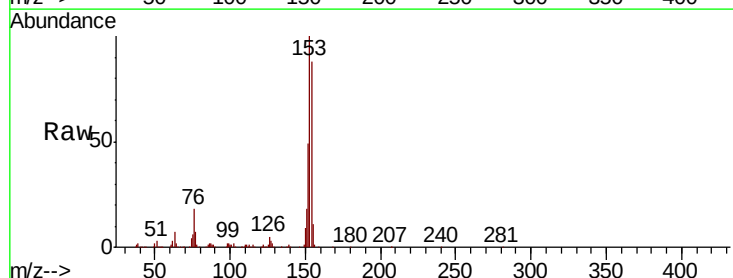
Manual Integrations  
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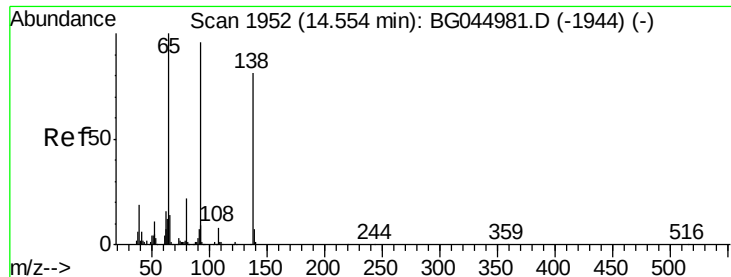
mohammad  
 4/20/2020 2:27:57 PM



#52  
 Acenaphthene  
 Concen: 49.503 ng m  
 RT: 14.72 min Scan# 1980  
 Delta R.T. 0.00 min  
 Lab File: BG045028.D  
 Acq: 17 Apr 2020 11:50

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 154     | 100   | 757664 |       |       |
| 153     | 114.1 |        | 89.7  | 134.5 |
| 152     | 55.7  |        | 43.1  | 64.7  |





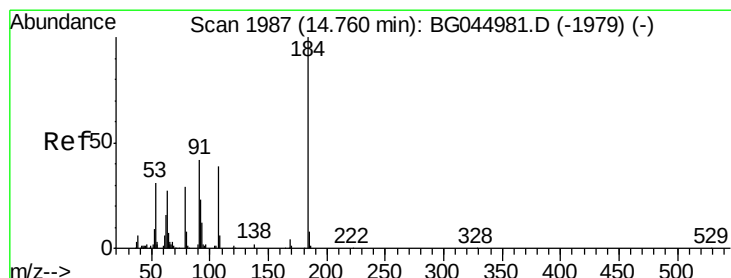
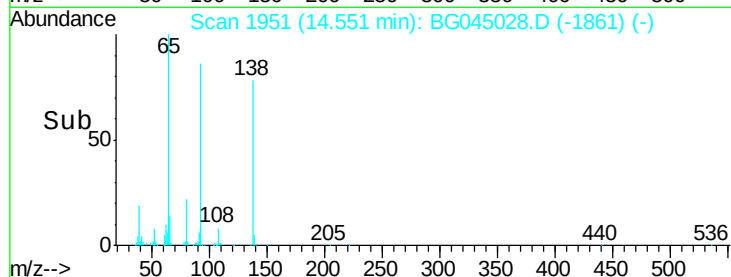
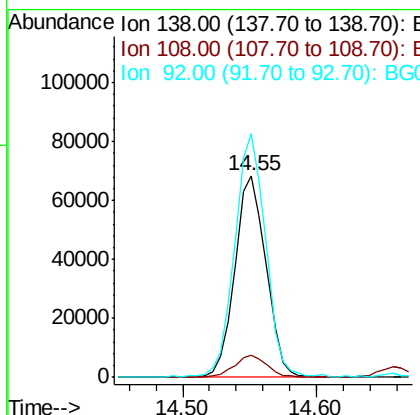
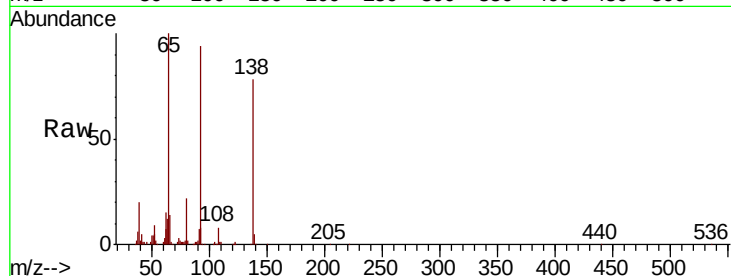
#53  
3-Nitroaniline  
Concen: 23.190 ng  
RT: 14.55 min Scan# 1951  
Delta R.T. 0.00 min  
Lab File: BG045028.D  
Acq: 17 Apr 2020 11:50

Instrument :  
BNA\_G  
ClientSampleId :  
PB128274BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 108     | 10.7  | 7.8   | 11.8  |
| 92      | 120.5 | 94.5  | 141.7 |

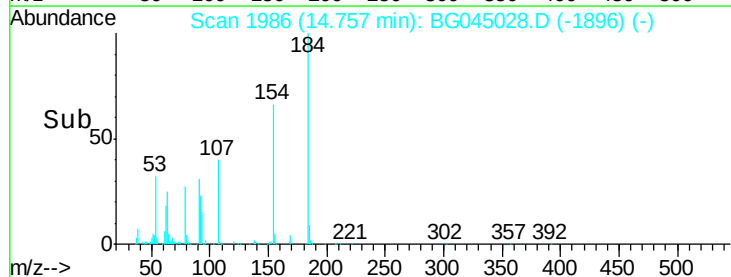
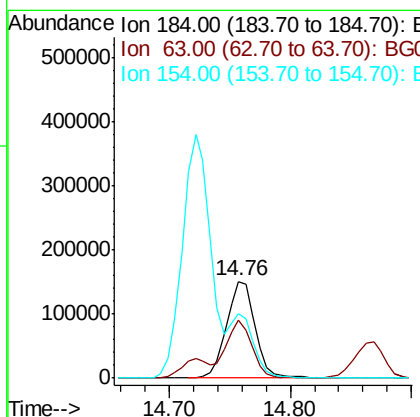
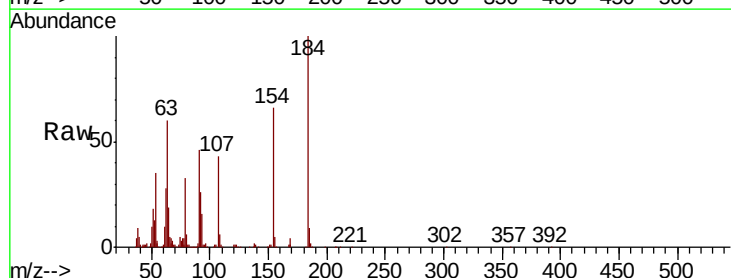
Manual Integrations  
APPROVED

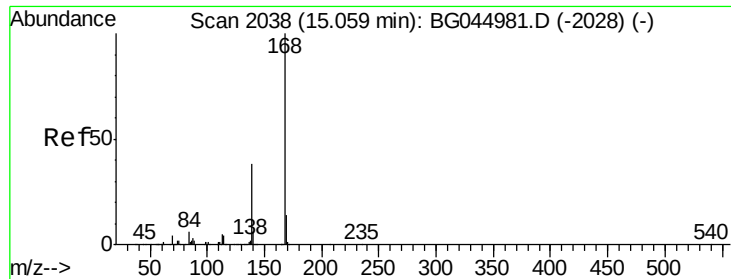
mohammad  
4/20/2020 2:27:57 PM



#54  
2,4-Dinitrophenol  
Concen: 95.684 ng  
RT: 14.76 min Scan# 1986  
Delta R.T. 0.00 min  
Lab File: BG045028.D  
Acq: 17 Apr 2020 11:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 63      | 59.7  | 41.5  | 62.3  |
| 154     | 66.0  | 52.3  | 78.5  |





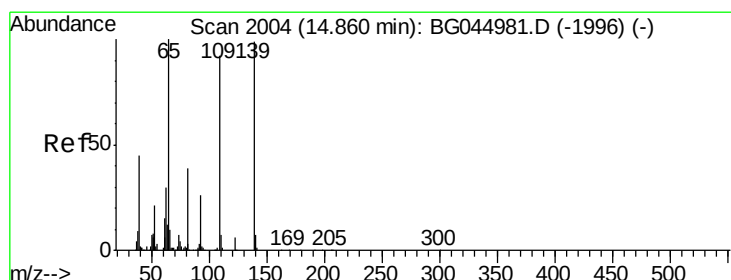
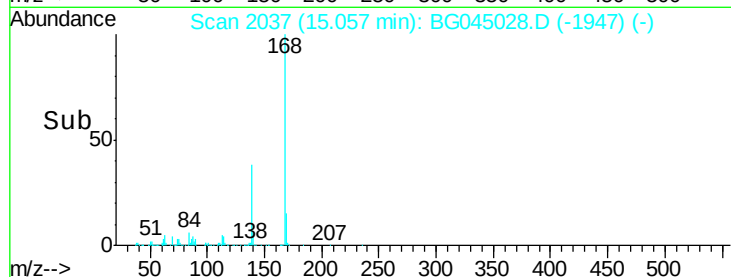
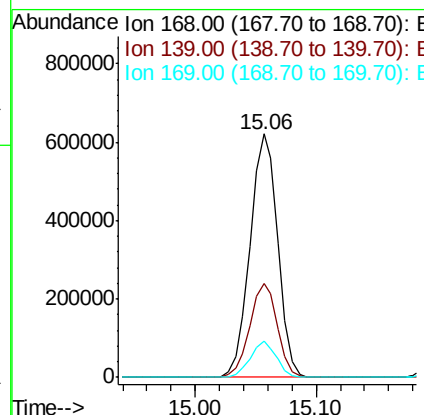
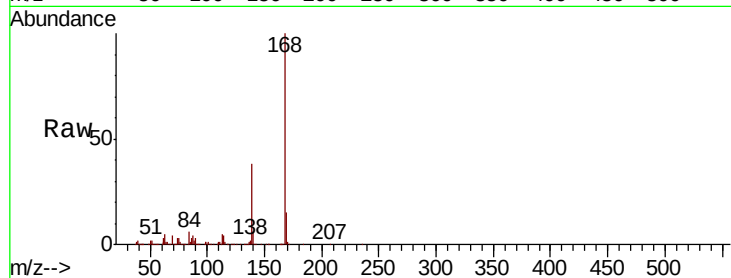
#55  
Dibenzofuran  
Concen: 44.303 ng  
RT: 15.06 min Scan# 2037  
Delta R.T. 0.00 min  
Lab File: BG045028.D  
Acq: 17 Apr 2020 11:50

Instrument :  
BNA\_G  
ClientSampleId :  
PB128274BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 168   | Resp: | 988579 |
| Ion Ratio | Lower | Upper |        |
| 168       | 100   |       |        |
| 139       | 38.4  | 30.4  | 45.6   |
| 169       | 14.9  | 11.0  | 16.4   |

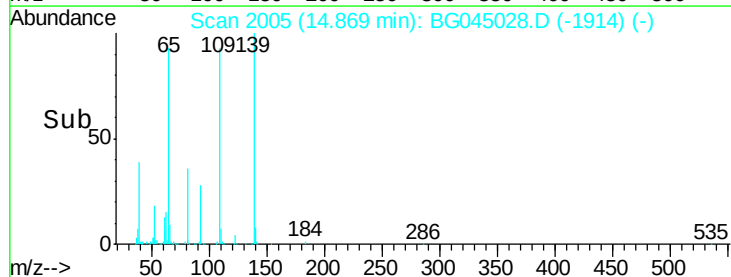
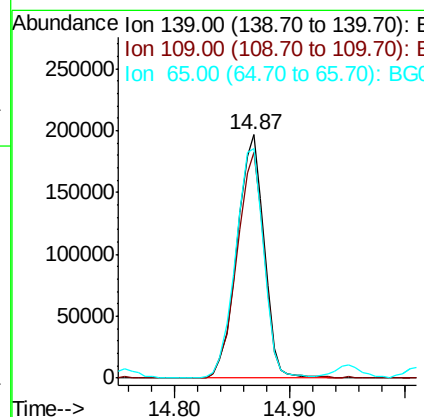
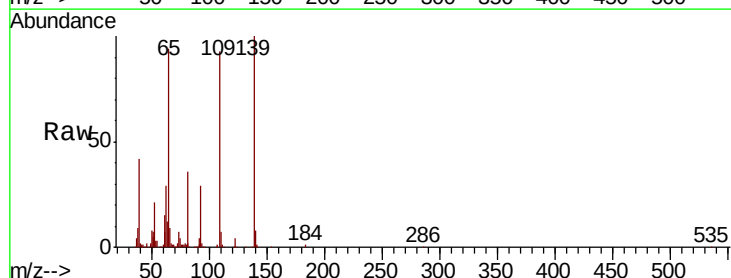
Manual Integrations  
APPROVED

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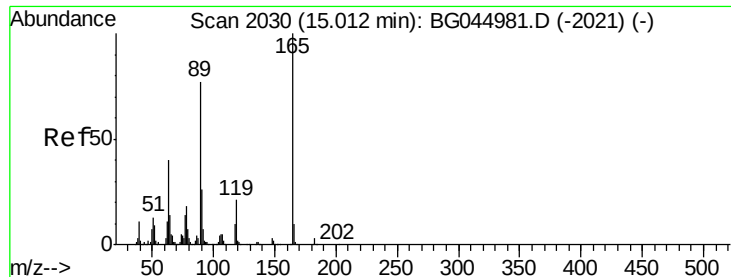


#56  
4-Nitrophenol  
Concen: 86.272 ng  
RT: 14.87 min Scan# 2005  
Delta R.T. 0.01 min  
Lab File: BG045028.D  
Acq: 17 Apr 2020 11:50

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 139   | Resp: | 319511 |
| Ion Ratio | Lower | Upper |        |
| 139       | 100   |       |        |
| 109       | 92.6  | 73.6  | 113.6  |
| 65        | 94.1  | 81.2  | 121.2  |







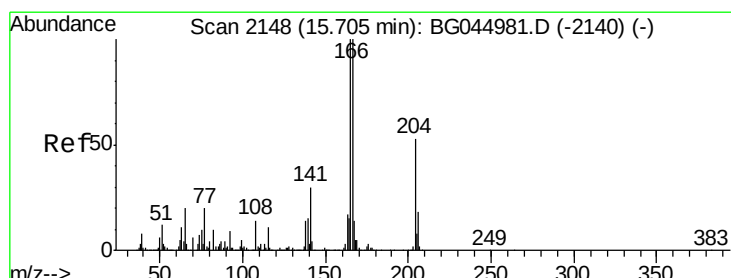
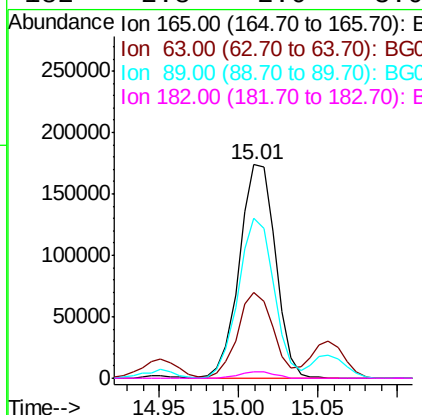
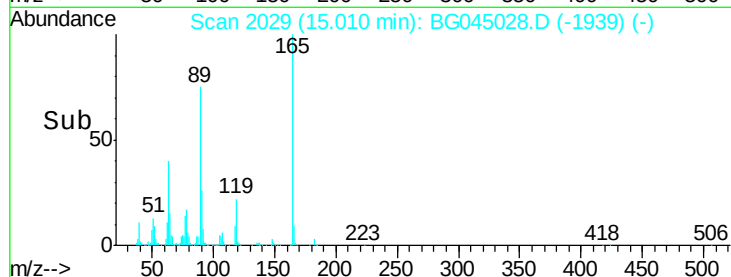
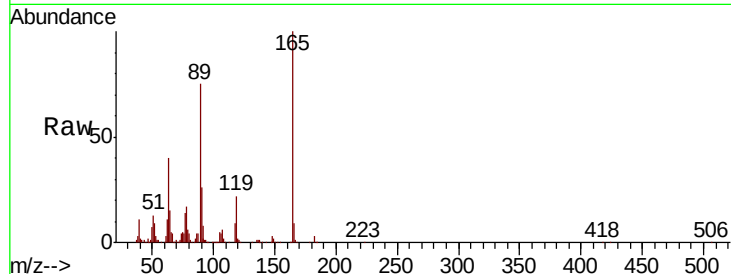
#57  
2,4-Dinitrotoluene  
Concen: 43.324 ng  
RT: 15.01 min Scan# 2029  
Delta R.T. 0.00 min  
Lab File: BG045028.D  
Acq: 17 Apr 2020 11:50

Instrument :  
BNA\_G  
ClientSampleId :  
PB128274BS

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 165     | 100  |       | 275738 |       |       |
| 63      | 40.4 | 32.2  |        | 48.2  |       |
| 89      | 74.8 | 61.7  |        | 92.5  |       |
| 182     | 2.8  | 2.0   |        | 3.0   |       |

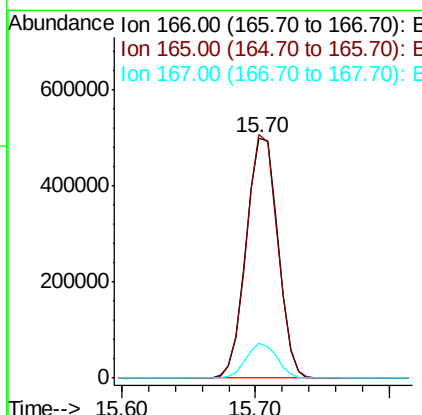
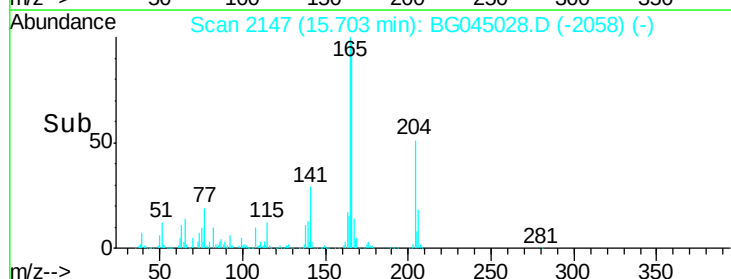
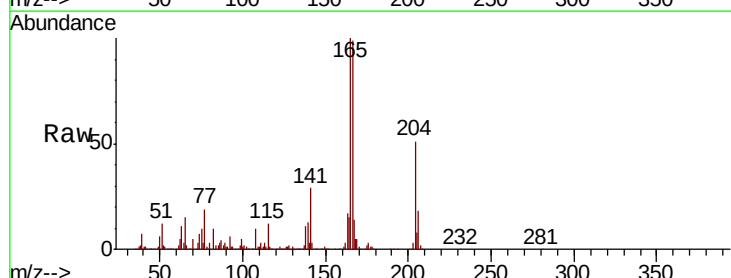
Manual Integrations  
APPROVED

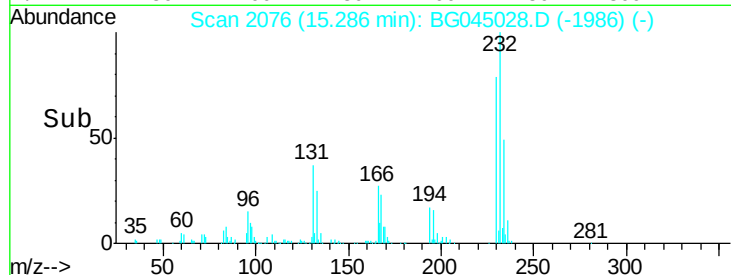
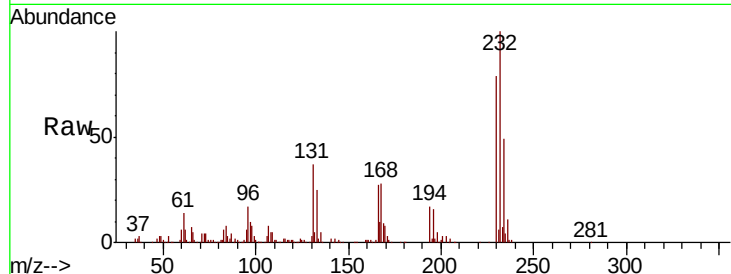
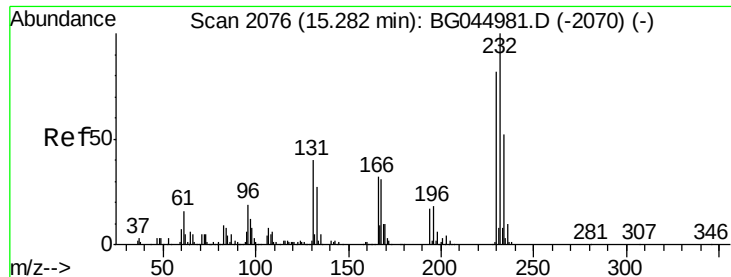
mohammad  
4/20/2020 2:27:57 PM



#58  
Fluorene  
Concen: 44.751 ng  
RT: 15.70 min Scan# 2147  
Delta R.T. -0.01 min  
Lab File: BG045028.D  
Acq: 17 Apr 2020 11:50

| Tgt Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 166     | 100   |       | 815657 |       |       |
| 165     | 101.3 | 79.9  |        | 119.9 |       |
| 167     | 14.5  | 11.4  |        | 17.0  |       |





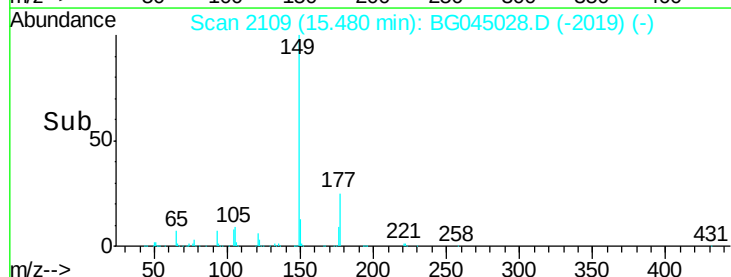
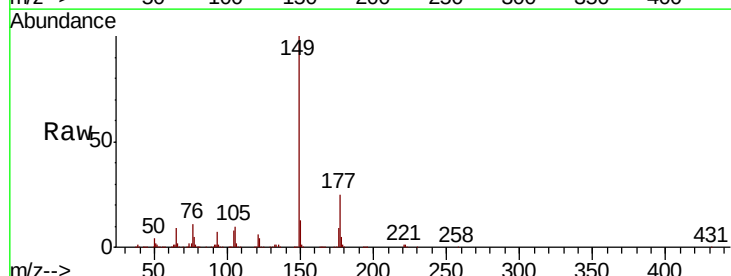
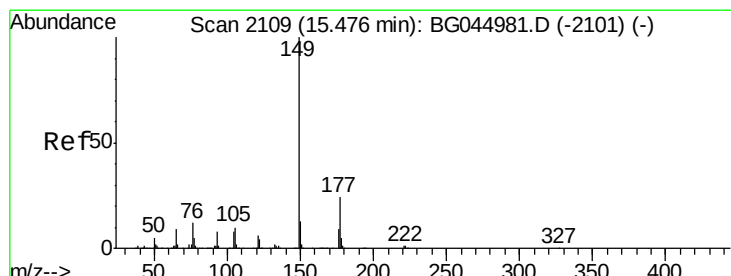
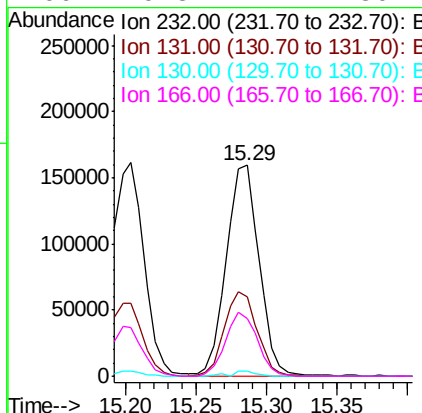
#59  
2,3,4,6-Tetrachlorophenol  
Concen: 46.841 ng  
RT: 15.29 min Scan# 2076  
Delta R.T. 0.00 min  
Lab File: BG045028.D  
Acq: 17 Apr 2020 11:50

Instrument :  
BNA\_G  
ClientSampleId :  
PB128274BS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 232     | 100   |            |       |
| 131     | 39.7  | 32.2       | 48.2  |
| 130     | 2.0   | 2.2        | 3.2#  |
| 166     | 29.3  | 24.2       | 36.4  |

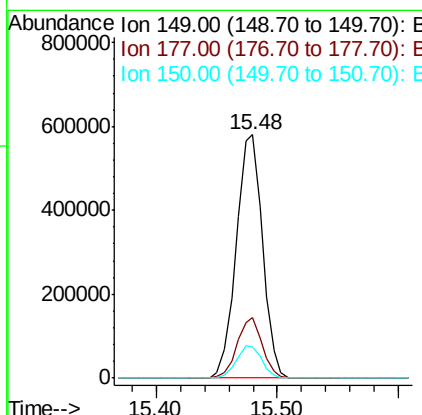
Manual Integrations  
APPROVED

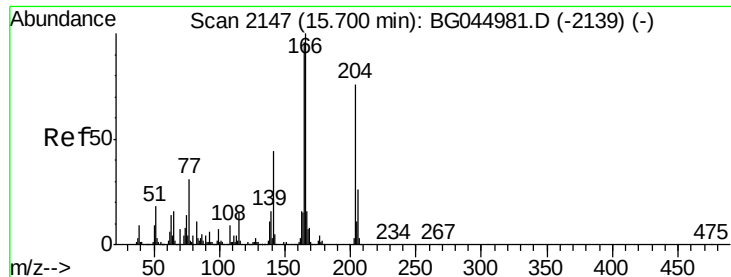
mohammad  
4/20/2020 2:27:57 PM



#60  
Diethylphthalate  
Concen: 43.243 ng  
RT: 15.48 min Scan# 2109  
Delta R.T. 0.00 min  
Lab File: BG045028.D  
Acq: 17 Apr 2020 11:50

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 149     | 100   |            |       |
| 177     | 24.9  | 18.9       | 28.3  |
| 150     | 13.0  | 10.6       | 15.8  |





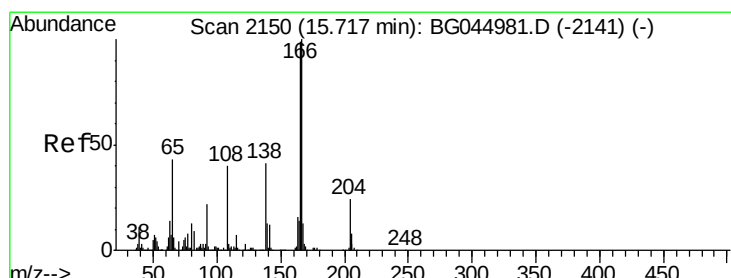
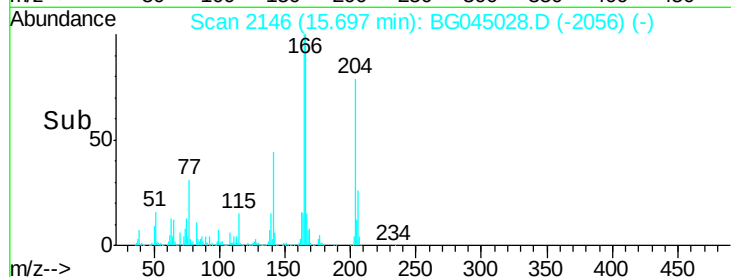
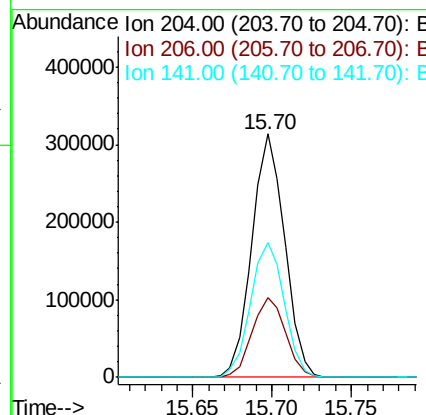
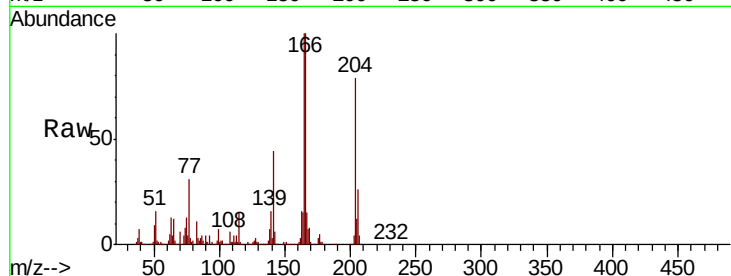
#61  
4-Chlorophenyl-phenylether  
Concen: 43.141 ng  
RT: 15.70 min Scan# 2146  
Delta R.T. 0.00 min  
Lab File: BG045028.D  
Acq: 17 Apr 2020 11:50

Instrument :  
BNA\_G  
ClientSampleId :  
PB128274BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 204     | 100   | 452593 |       |       |
| 206     | 32.9  |        | 26.9  | 40.3  |
| 141     | 55.3  |        | 46.3  | 69.5  |

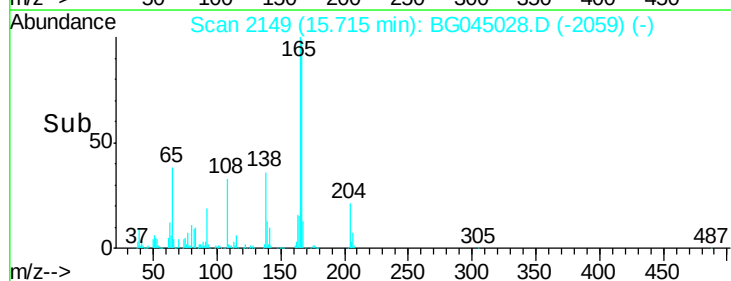
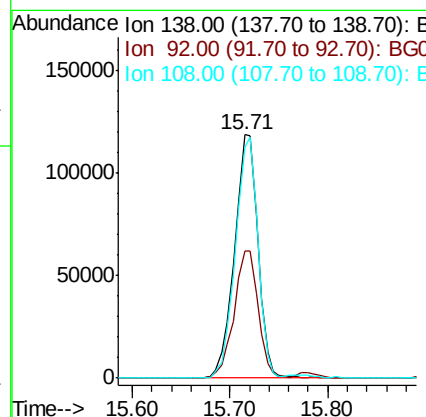
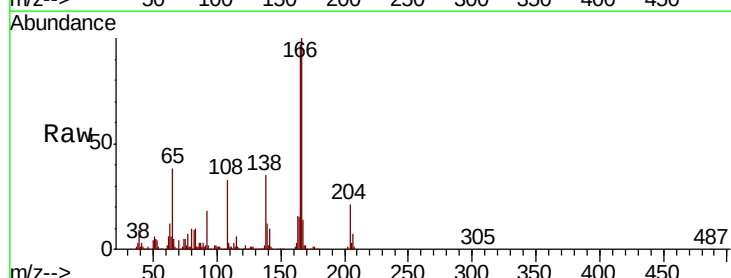
Manual Integrations  
APPROVED

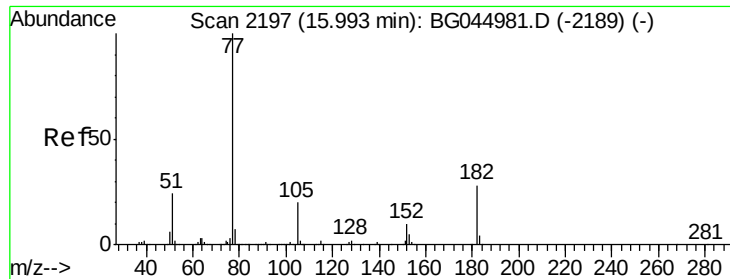
mohammad  
4/20/2020 2:27:57 PM



#62  
4-Nitroaniline  
Concen: 40.008 ng  
RT: 15.71 min Scan# 2149  
Delta R.T. 0.00 min  
Lab File: BG045028.D  
Acq: 17 Apr 2020 11:50

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 138     | 100   | 198206 |       |       |
| 92      | 52.2  |        | 33.6  | 73.6  |
| 108     | 94.8  |        | 78.2  | 118.2 |





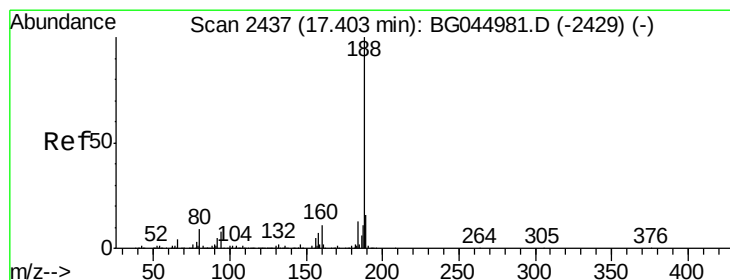
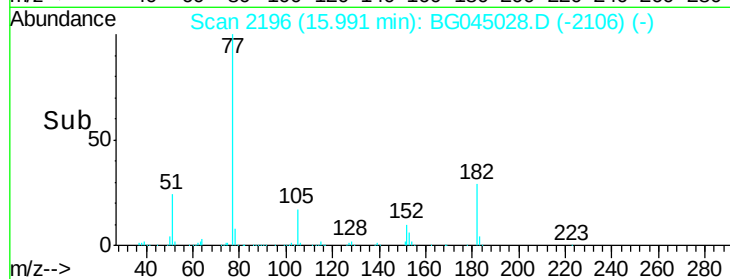
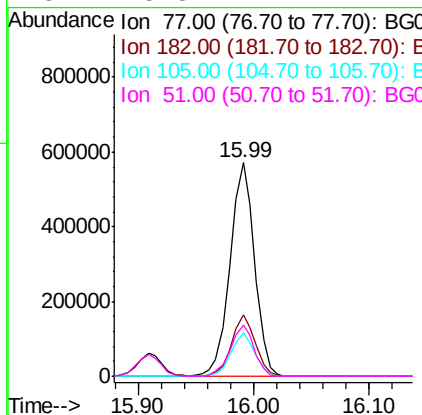
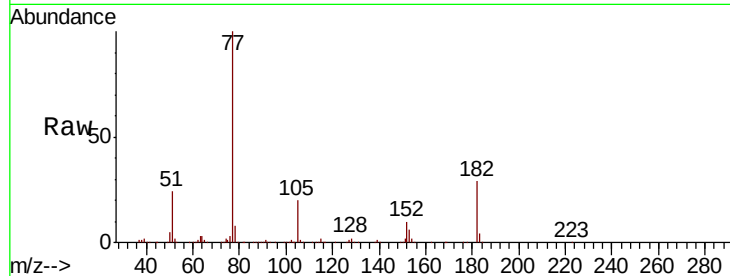
#63  
Azobenzene  
Concen: 44.581 ng  
RT: 15.99 min Scan# 2196  
Delta R.T. 0.00 min  
Lab File: BG045028.D  
Acq: 17 Apr 2020 11:50

Instrument :  
BNA\_G  
ClientSampleId :  
PB128274BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 182     | 28.5  | 8.4   | 48.4  |
| 105     | 20.1  | 0.5   | 40.5  |
| 51      | 23.8  | 4.4   | 44.4  |

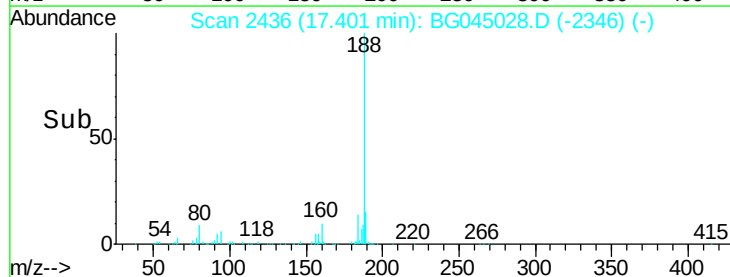
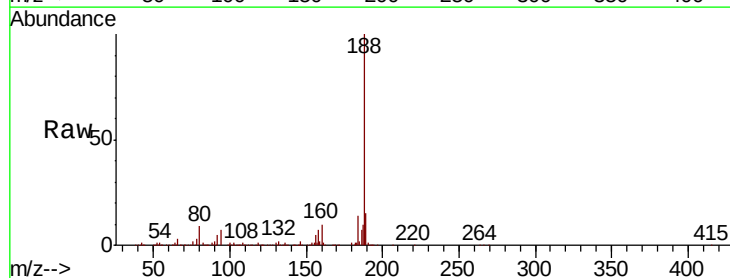
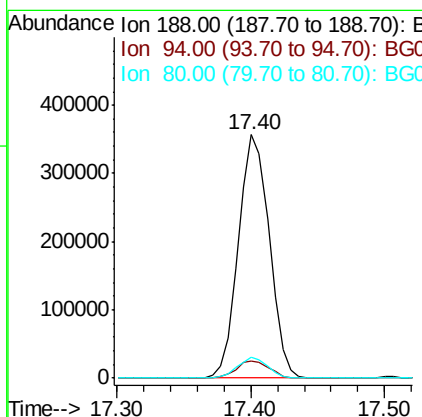
Manual Integrations  
APPROVED

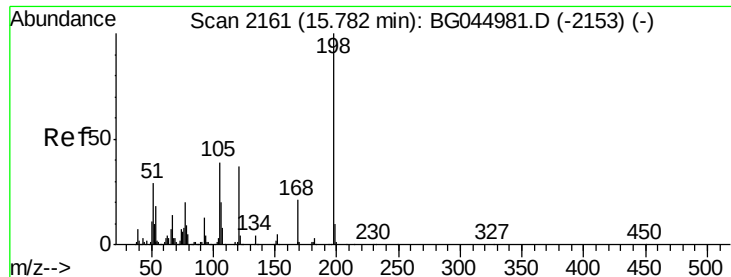
mohammad  
4/20/2020 2:27:57 PM



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.40 min Scan# 2436  
Delta R.T. 0.00 min  
Lab File: BG045028.D  
Acq: 17 Apr 2020 11:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 7.1   | 6.2   | 9.4   |
| 80      | 8.8   | 7.0   | 10.6  |





#65

4,6-Dinitro-2-methylphenol

Concen: 47.215 ng

RT: 15.78 min Scan# 2160

Delta R.T. 0.00 min

Lab File: BG045028.D

Acq: 17 Apr 2020 11:50

Instrument :

BNA\_G

ClientSampleId :

PB128274BS

Tot Ion:198 Resp: 177099

Ion Ratio Lower Upper

198 100

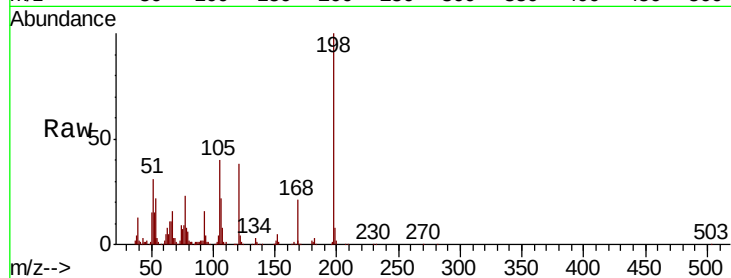
51 31.5 10.0 50.0

105 39.9 18.9 58.9

Manual Integrations  
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Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

15.78

150000

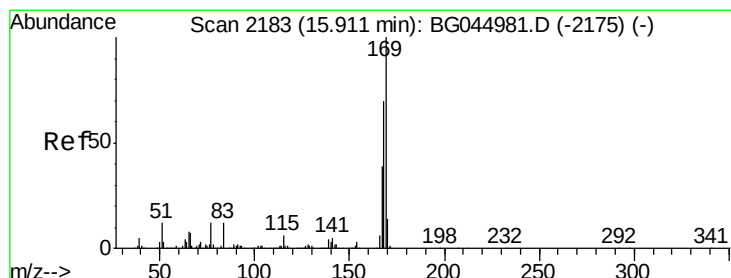
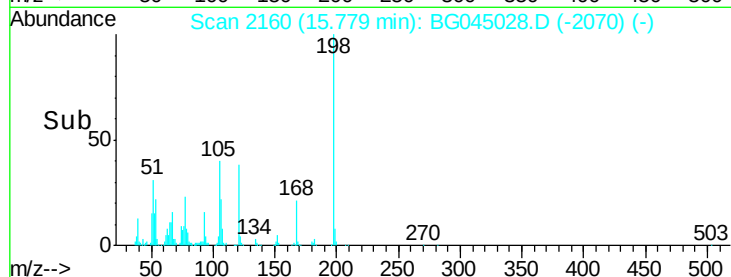
100000

50000

0

15.70 15.80

Time-->



#66

n-Nitrosodiphenylamine

Concen: 45.146 ng

RT: 15.91 min Scan# 2182

Delta R.T. 0.00 min

Lab File: BG045028.D

Acq: 17 Apr 2020 11:50

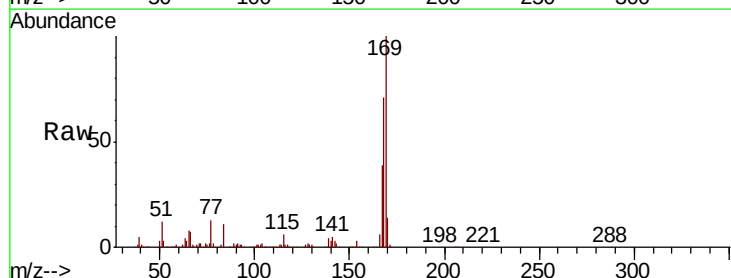
Tgt Ion:169 Resp: 740208

Ion Ratio Lower Upper

169 100

168 70.7 55.8 83.8

167 38.8 30.8 46.2



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

15.91

600000

500000

400000

300000

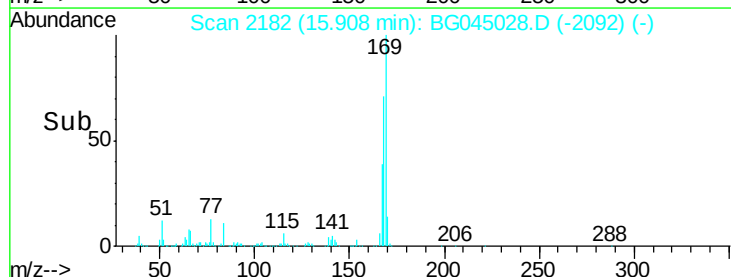
200000

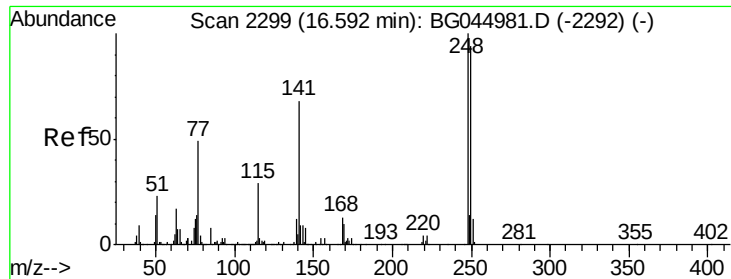
100000

0

15.90 16.00

Time-->





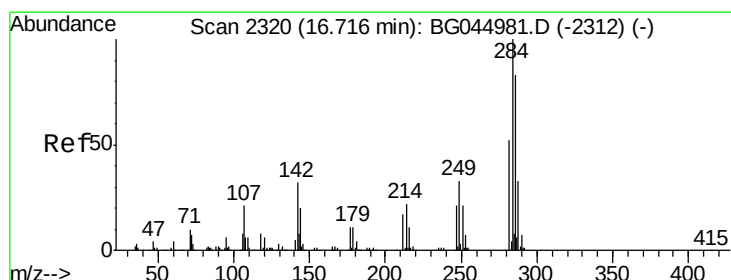
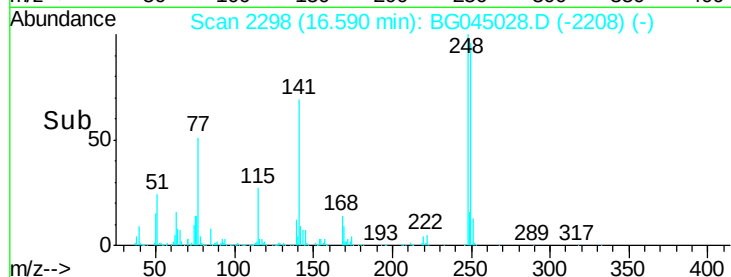
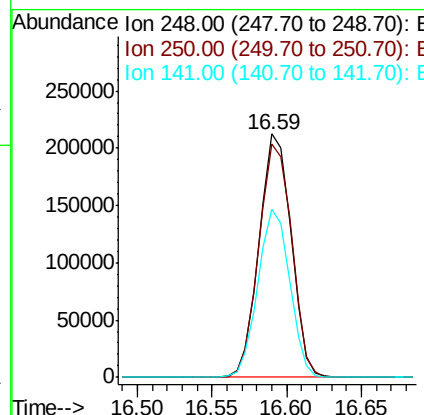
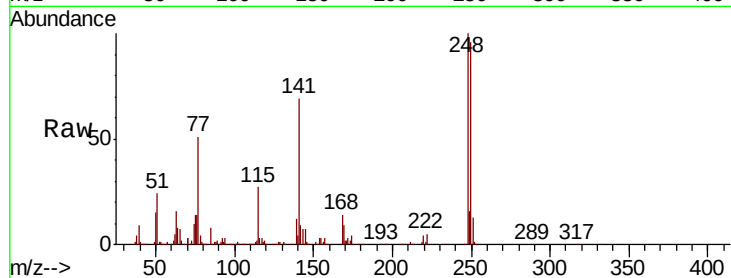
#67  
4-Bromophenyl-phenylether  
Concen: 42.703 ng  
RT: 16.59 min Scan# 2298  
Delta R.T. 0.00 min  
Lab File: BG045028.D  
Acq: 17 Apr 2020 11:50

Instrument :  
BNA\_G  
ClientSampleId :  
PB128274BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 95.9  | 75.4  | 113.2 |
| 141     | 69.0  | 54.4  | 81.6  |

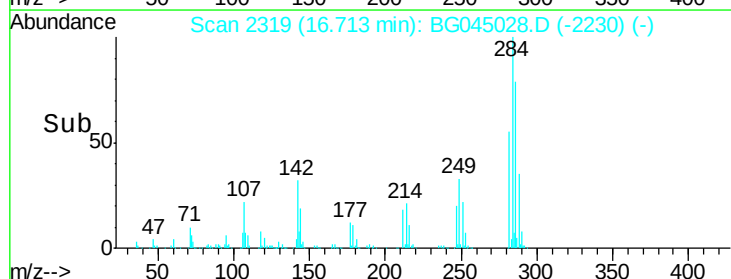
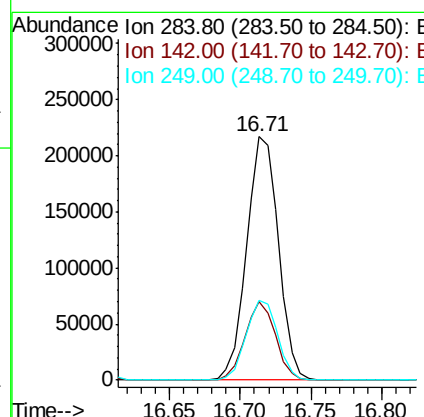
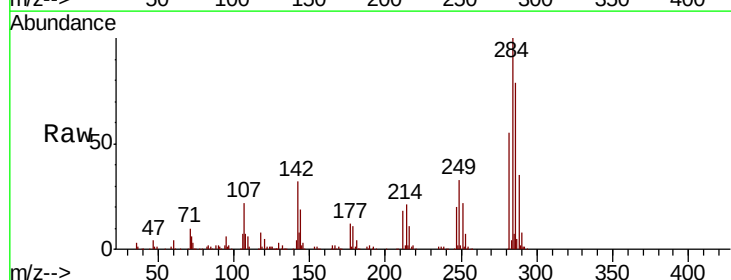
Manual Integrations  
APPROVED

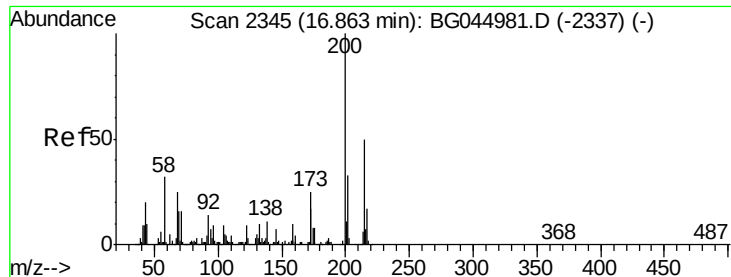
mohammad  
4/20/2020 2:27:57 PM



#68  
Hexachlorobenzene  
Concen: 44.637 ng  
RT: 16.71 min Scan# 2319  
Delta R.T. -0.01 min  
Lab File: BG045028.D  
Acq: 17 Apr 2020 11:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 32.1  | 25.8  | 38.6  |
| 249     | 32.7  | 26.6  | 39.8  |





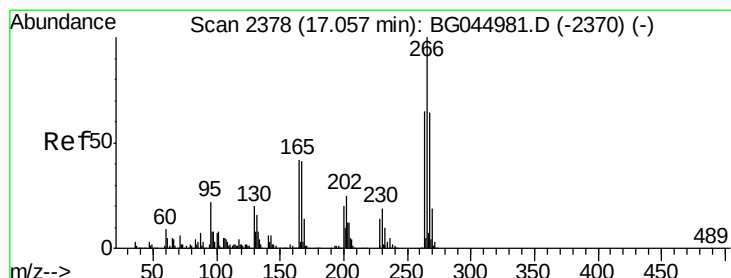
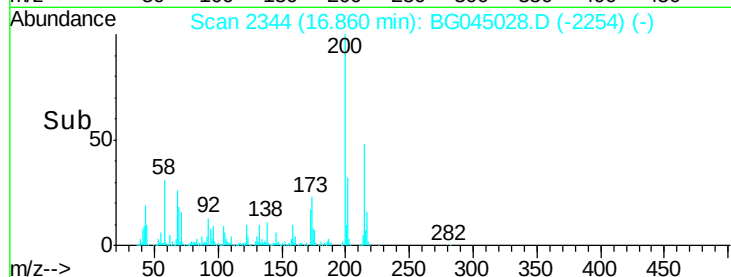
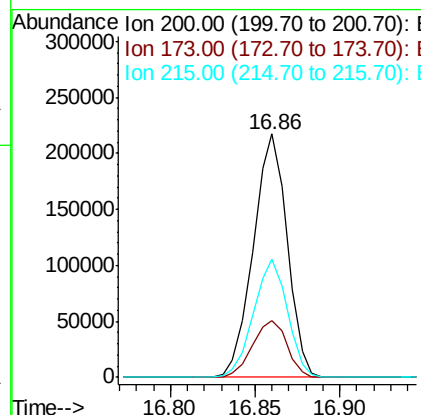
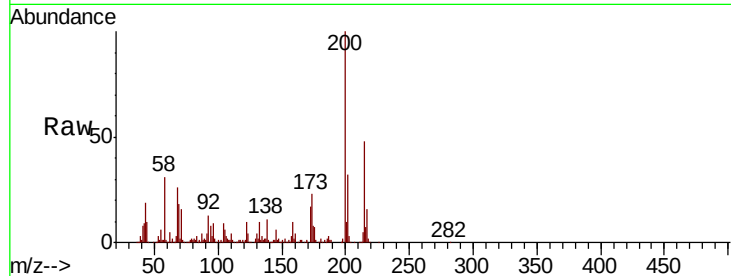
#69  
Atrazine  
Concen: 51.478 ng  
RT: 16.86 min Scan# 2344  
Delta R.T. 0.00 min  
Lab File: BG045028.D  
Acq: 17 Apr 2020 11:50

Instrument :  
BNA\_G  
ClientSampleId :  
PB128274BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 200     | 100   |      |       |       |
| 173     | 23.1  | 4.5  | 44.5  |       |
| 215     | 48.5  | 30.0 | 70.0  |       |

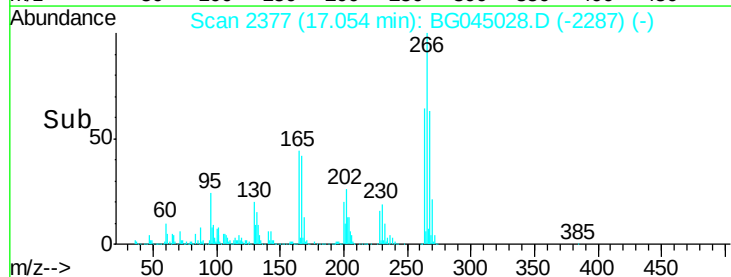
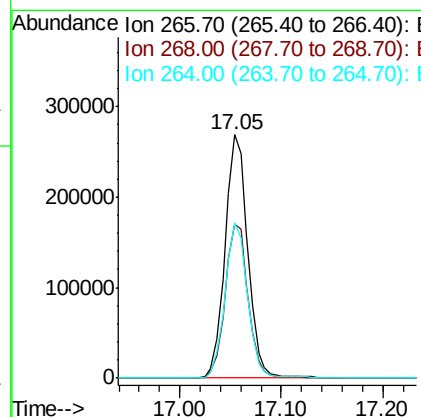
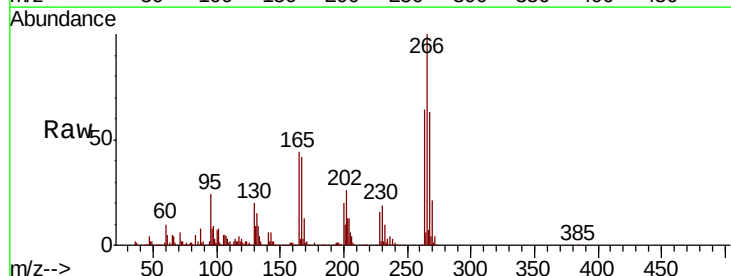
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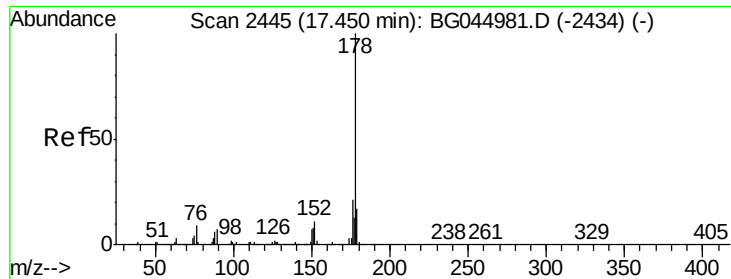
mohammad  
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#70  
Pentachlorophenol  
Concen: 89.761 ng  
RT: 17.05 min Scan# 2377  
Delta R.T. 0.00 min  
Lab File: BG045028.D  
Acq: 17 Apr 2020 11:50

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 266     | 100   |      |       |       |
| 268     | 63.4  | 51.5 | 77.3  |       |
| 264     | 63.6  | 52.2 | 78.4  |       |





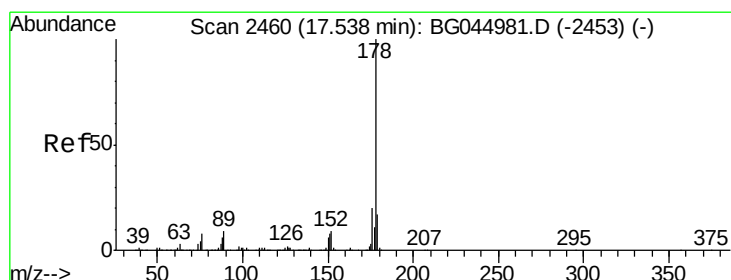
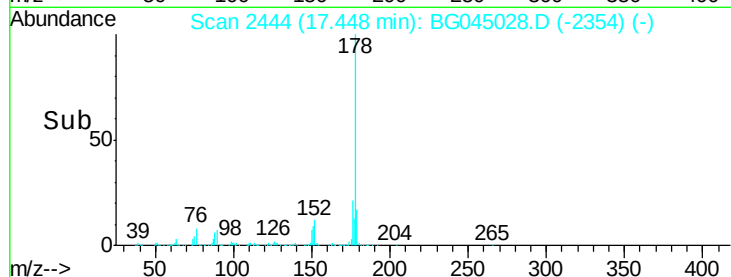
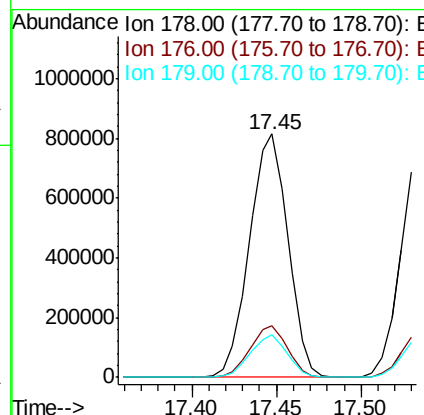
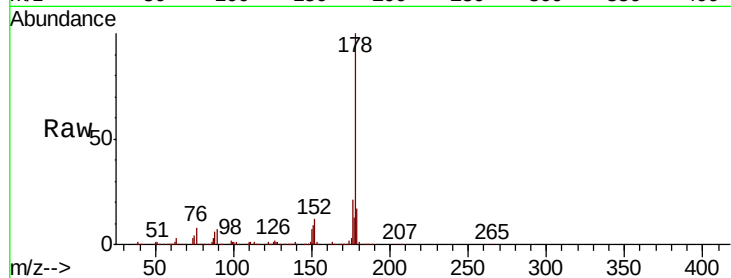
#71  
 Phenanthrene  
 Concen: 44.061 ng  
 RT: 17.45 min Scan# 2444  
 Delta R.T. 0.00 min  
 Lab File: BG045028.D  
 Acq: 17 Apr 2020 11:50

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB128274BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 21.1  | 16.8  | 25.2  |
| 179     | 17.3  | 13.2  | 19.8  |

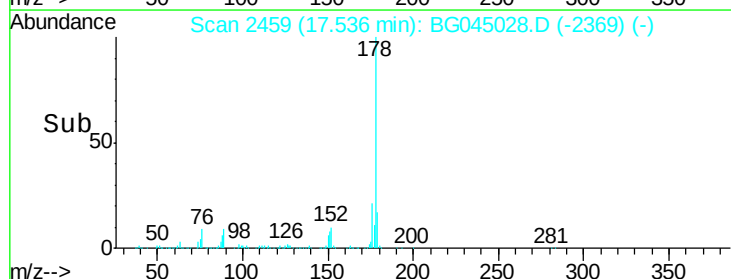
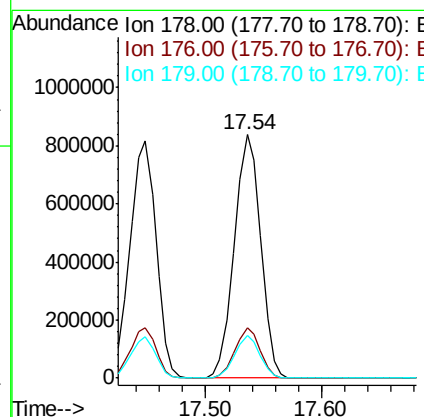
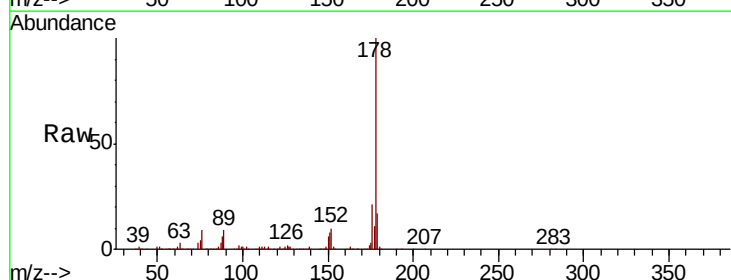
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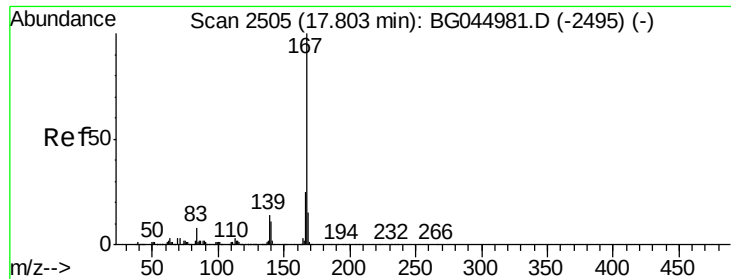


#72  
 Anthracene  
 Concen: 44.992 ng  
 RT: 17.54 min Scan# 2459  
 Delta R.T. 0.00 min  
 Lab File: BG045028.D  
 Acq: 17 Apr 2020 11:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 20.9  | 16.0  | 24.0  |
| 179     | 17.5  | 13.6  | 20.4  |







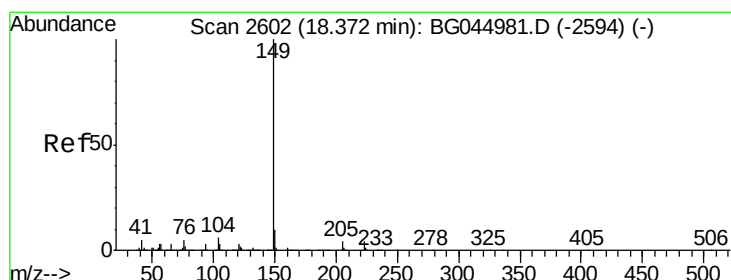
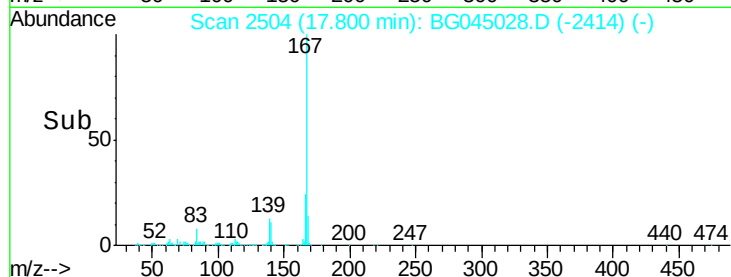
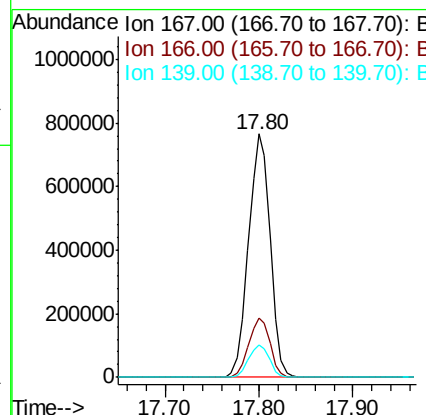
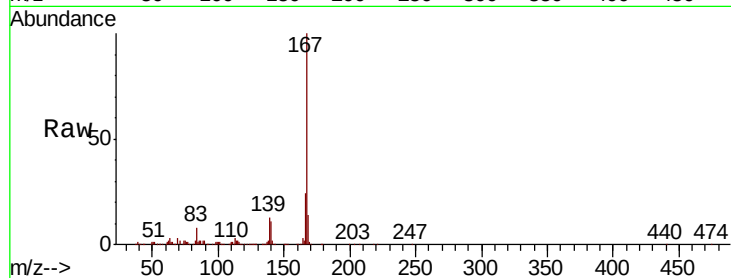
#73  
 Carbazole  
 Concen: 40.604 ng  
 RT: 17.80 min Scan# 2504  
 Delta R.T. 0.00 min  
 Lab File: BG045028.D  
 Acq: 17 Apr 2020 11:50

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB128274BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 24.5  | 19.8  | 29.6  |
| 139     | 13.1  | 10.9  | 16.3  |

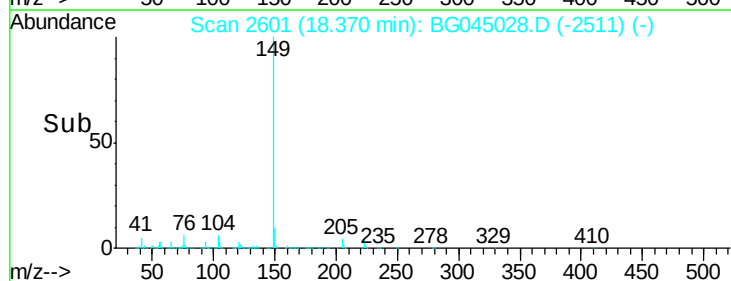
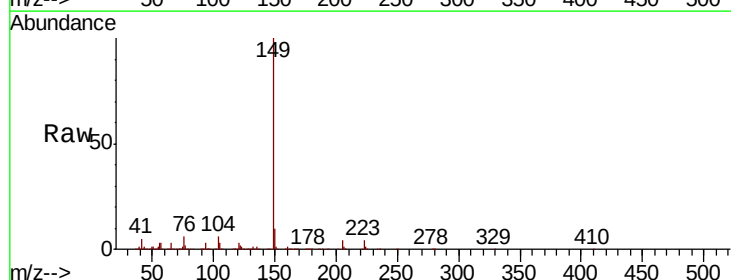
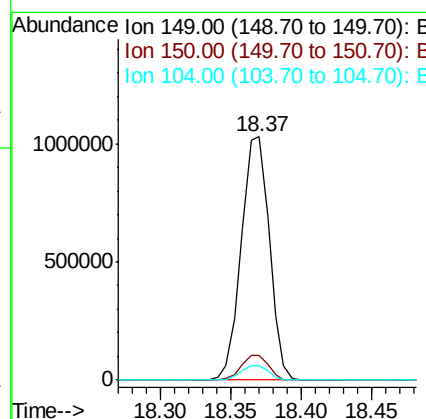
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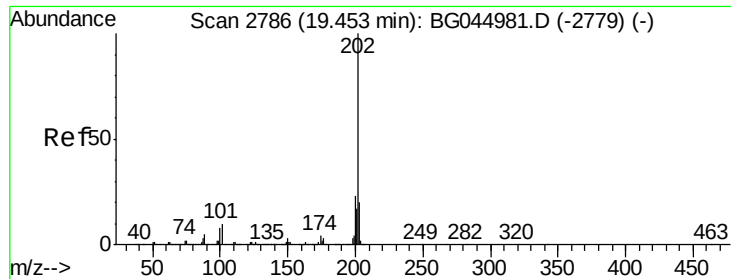
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#74  
 Di-n-butylphthalate  
 Concen: 43.951 ng  
 RT: 18.37 min Scan# 2601  
 Delta R.T. 0.00 min  
 Lab File: BG045028.D  
 Acq: 17 Apr 2020 11:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 150     | 9.9   | 8.2   | 12.2  |
| 104     | 6.1   | 4.8   | 7.2   |





#75

Fluoranthene

Concen: 44.578 ng

RT: 19.45 min Scan# 2785

Delta R.T. 0.00 min

Lab File: BG045028.D

Acq: 17 Apr 2020 11:50

Instrument :

BNA\_G

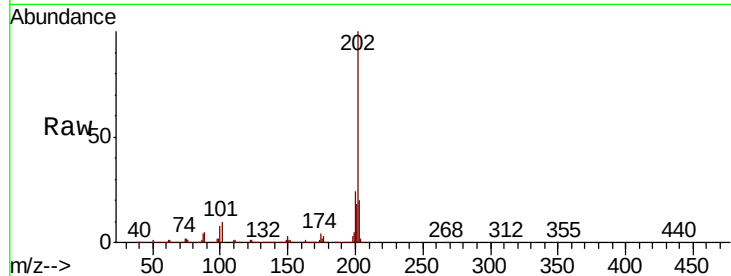
ClientSampled :

PB128274BS

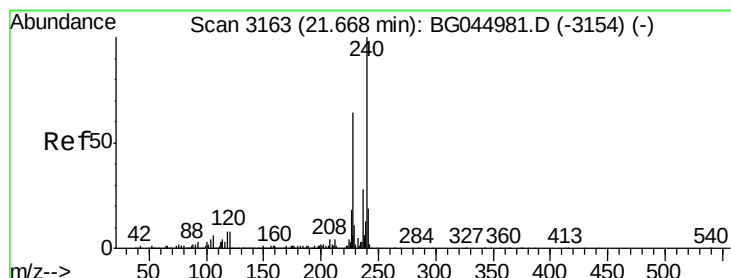
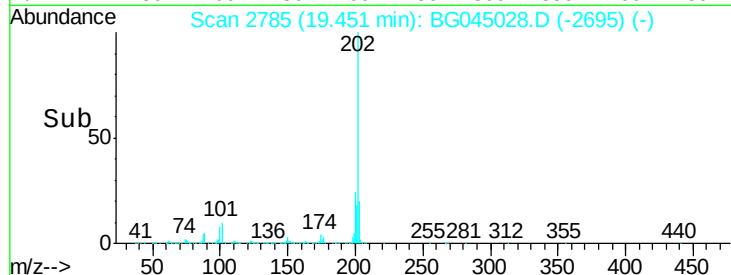
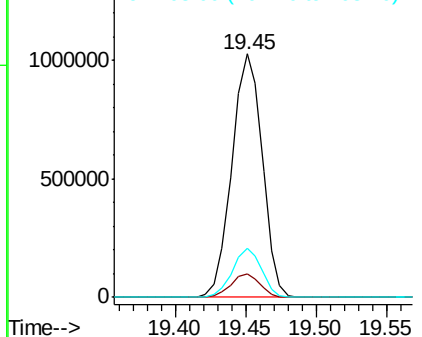
| Tot Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 202     | 100   | 1538457 |       |       |
| 101     | 9.7   |         | 0.0   | 29.6  |
| 203     | 20.4  |         | 0.0   | 39.7  |

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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

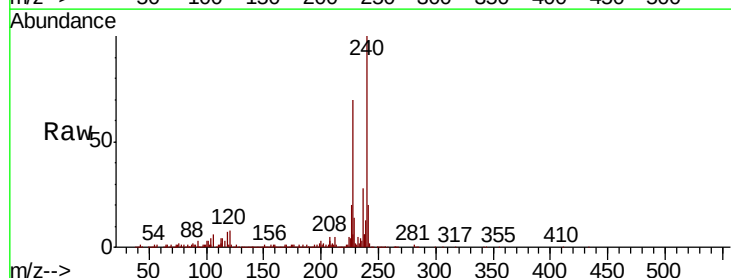
RT: 21.67 min Scan# 3162

Delta R.T. 0.00 min

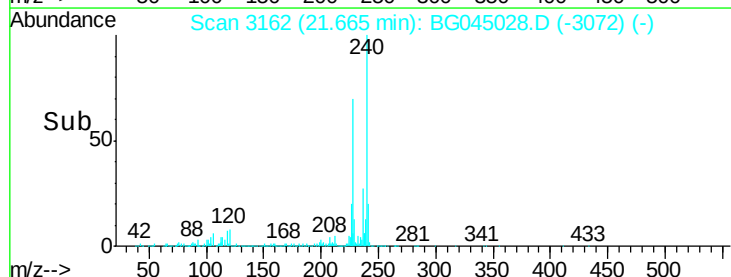
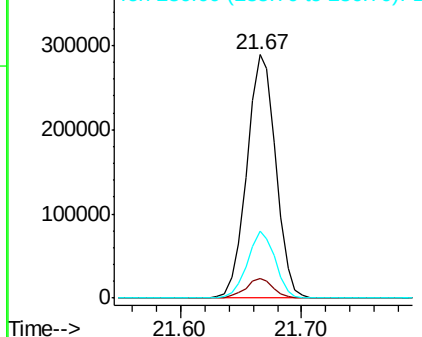
Lab File: BG045028.D

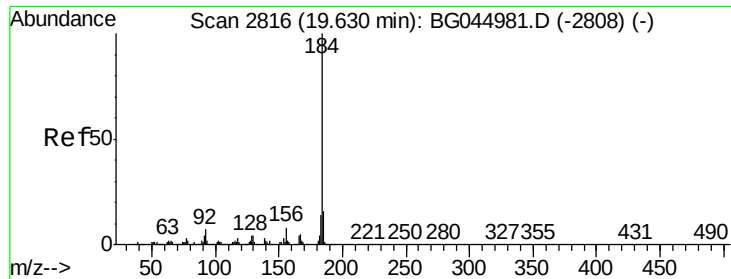
Acq: 17 Apr 2020 11:50

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 240     | 100   | 482564 |       |       |
| 120     | 7.9   |        | 6.6   | 10.0  |
| 236     | 27.5  |        | 22.2  | 33.2  |



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: 54.989 ng

RT: 19.63 min Scan# 2815

Delta R.T. 0.00 min

Lab File: BG045028.D

Acq: 17 Apr 2020 11:50

Instrument :

BNA\_G

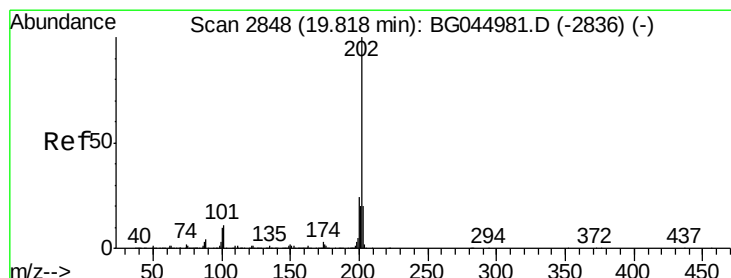
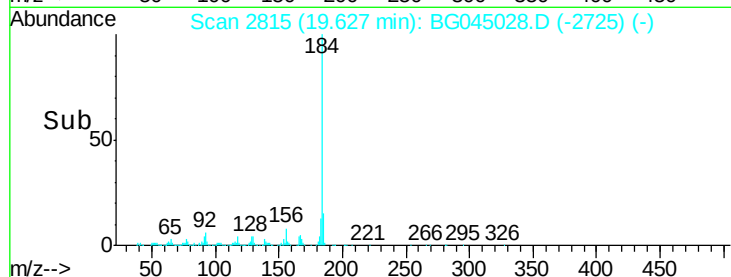
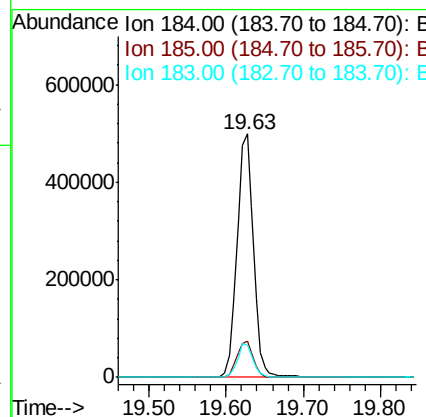
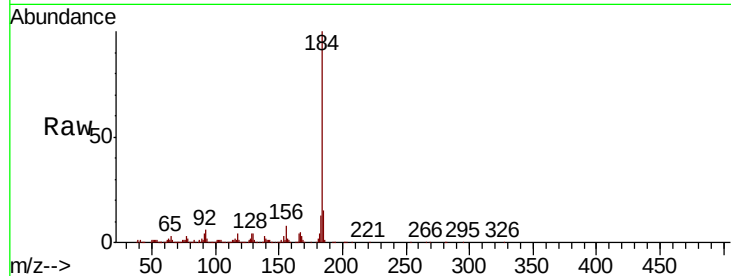
ClientSampleId :

PB128274BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 184   | Resp: | 750101 |
| Ion Ratio | Lower | Upper |        |
| 184       | 100   |       |        |
| 185       | 14.7  | 12.6  | 19.0   |
| 183       | 13.4  | 11.3  | 16.9   |

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#78

Pyrene

Concen: 45.305 ng

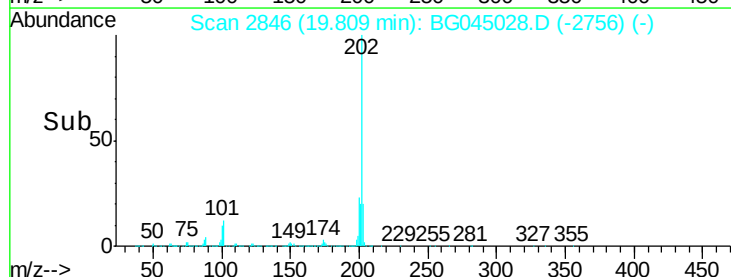
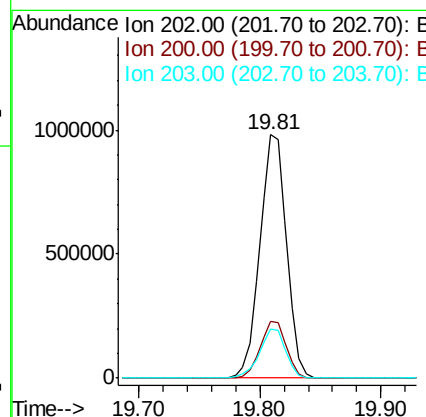
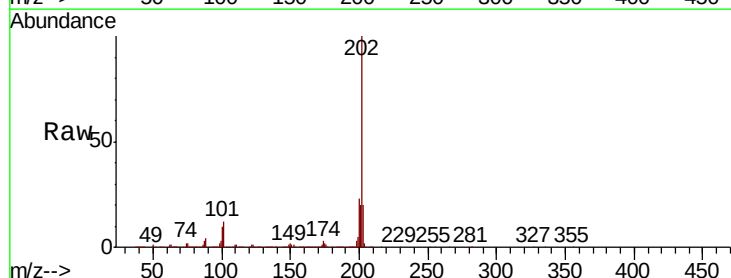
RT: 19.81 min Scan# 2846

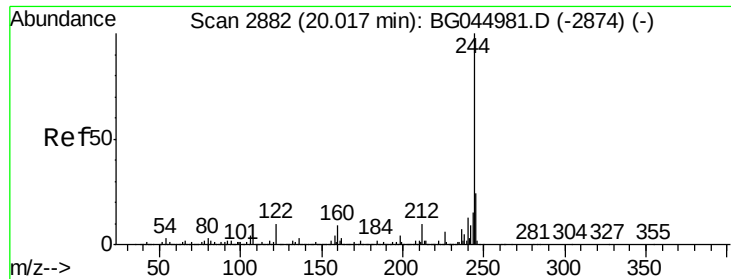
Delta R.T. 0.00 min

Lab File: BG045028.D

Acq: 17 Apr 2020 11:50

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 202   | Resp: | 1507199 |
| Ion Ratio | Lower | Upper |         |
| 202       | 100   |       |         |
| 200       | 23.4  | 19.0  | 28.6    |
| 203       | 20.1  | 16.1  | 24.1    |





#79

Terphenyl-d14

Concen: 96.347 ng

RT: 20.01 min Scan# 2881

Delta R.T. 0.00 min

Lab File: BG045028.D

Acq: 17 Apr 2020 11:50

Instrument :

BNA\_G

ClientSampleId :

PB128274BS

Tot Ion:244 Resp: 2133165

Ion Ratio Lower Upper

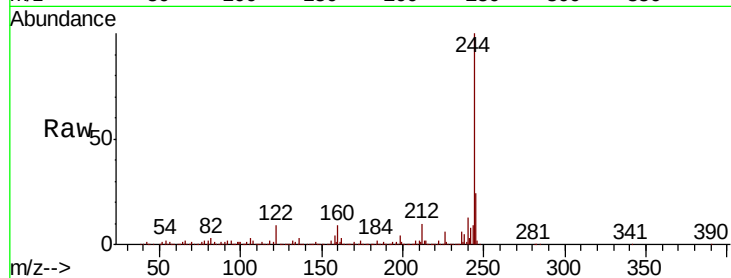
244 100

212 10.0 7.9 11.9

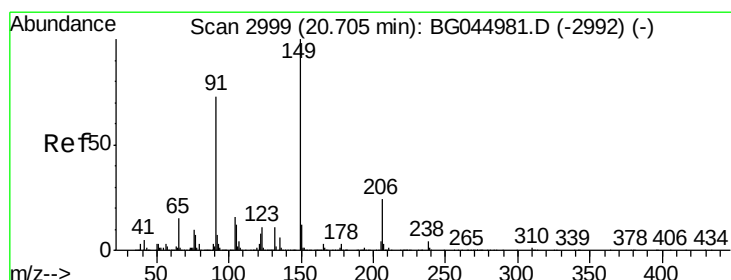
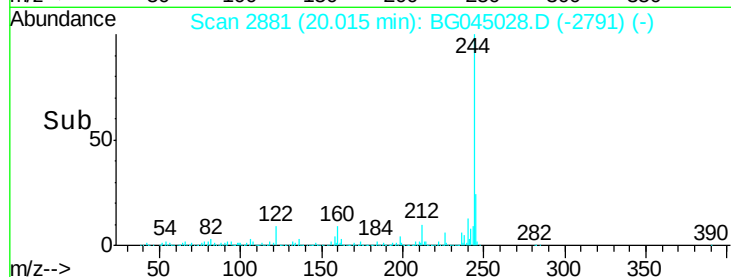
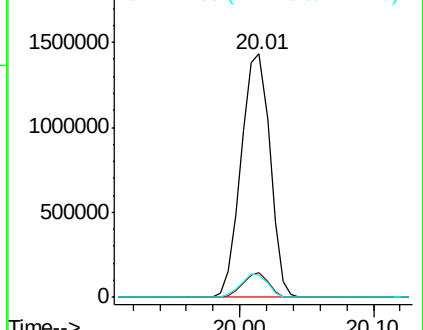
122 9.3 7.7 11.5

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Abundance Ion 244.00 (243.70 to 244.70): E  
Ion 212.00 (211.70 to 212.70): E  
Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 44.889 ng

RT: 20.70 min Scan# 2998

Delta R.T. 0.00 min

Lab File: BG045028.D

Acq: 17 Apr 2020 11:50

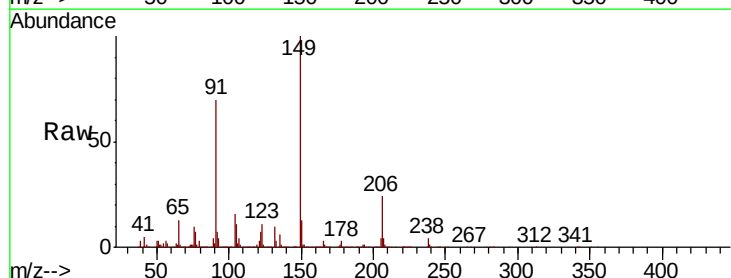
Tgt Ion:149 Resp: 619020

Ion Ratio Lower Upper

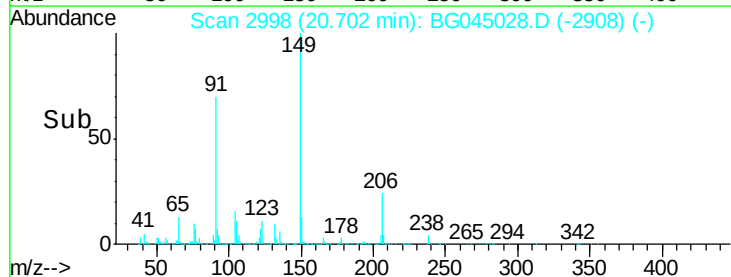
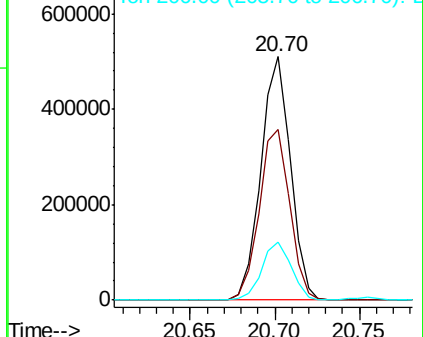
149 100

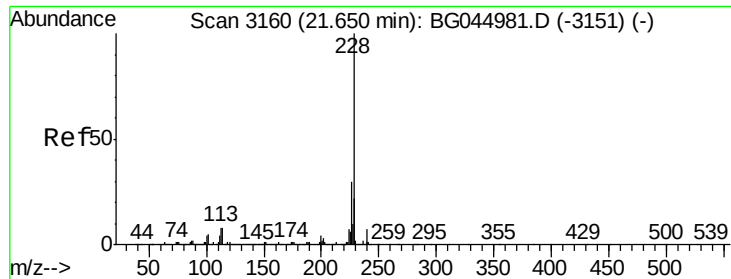
91 70.2 58.5 87.7

206 23.8 19.2 28.8



Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 91.00 (90.70 to 91.70): BG  
Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 44.918 ng

RT: 21.65 min Scan# 3159

Delta R.T. 0.00 min

Lab File: BG045028.D

Acq: 17 Apr 2020 11:50

Instrument :

BNA\_G

ClientSampleId :

PB128274BS

Tot Ion:228 Resp: 1404913

Ion Ratio Lower Upper

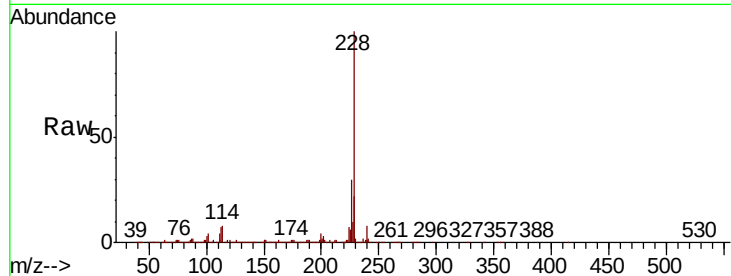
228 100

226 29.8 24.0 36.0

229 21.7 17.5 26.3

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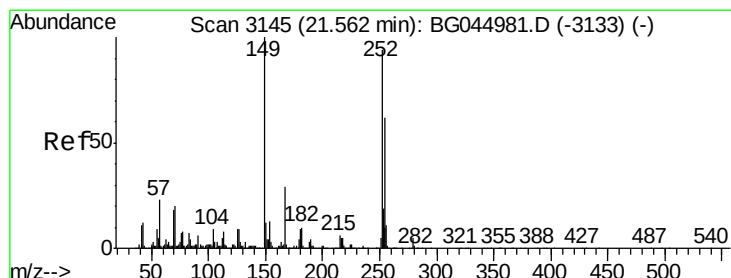
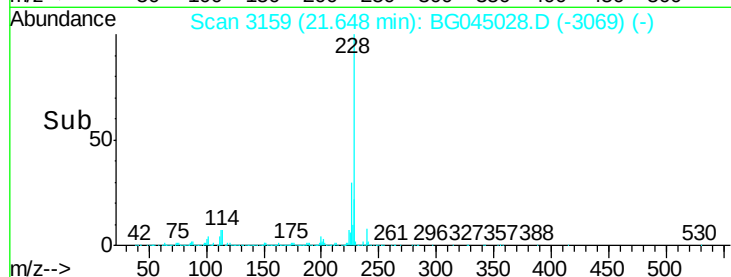
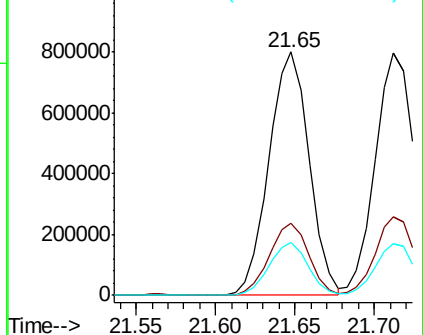
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 27.104 ng

RT: 21.56 min Scan# 3144

Delta R.T. 0.00 min

Lab File: BG045028.D

Acq: 17 Apr 2020 11:50

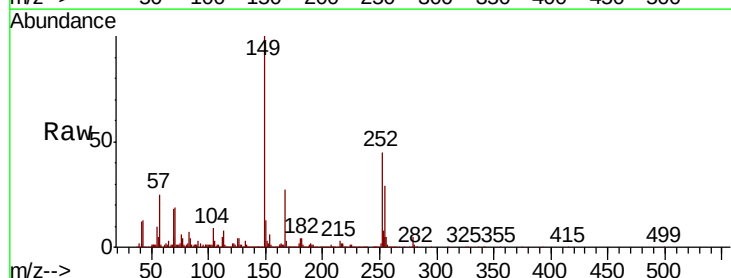
Tgt Ion:252 Resp: 337418

Ion Ratio Lower Upper

252 100

254 64.4 52.6 79.0

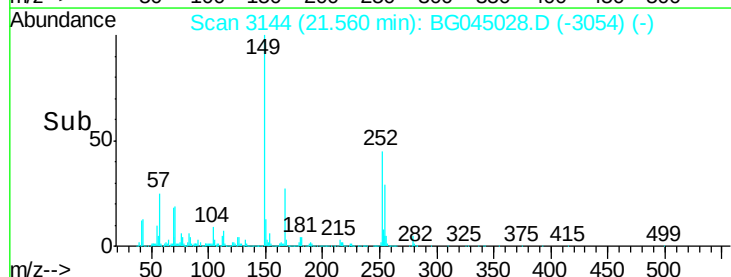
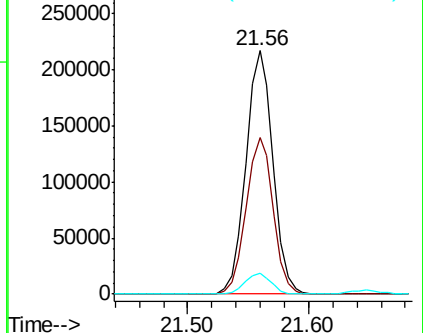
126 8.8 7.5 11.3

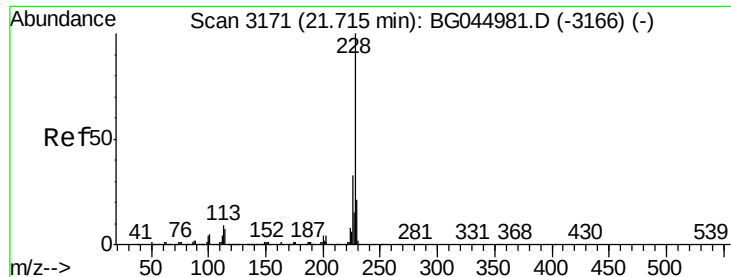


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





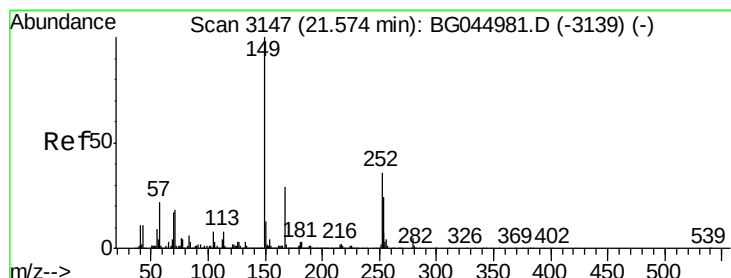
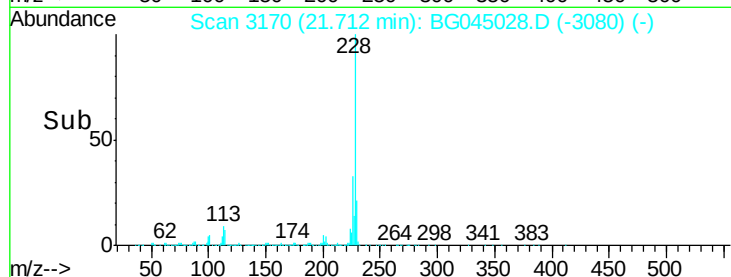
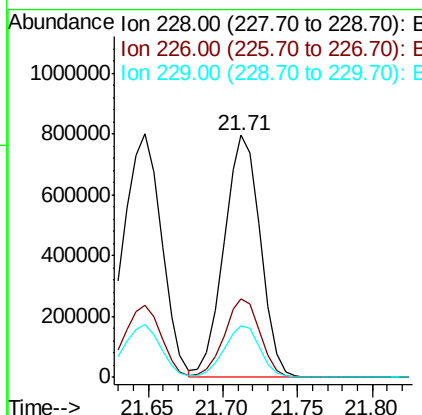
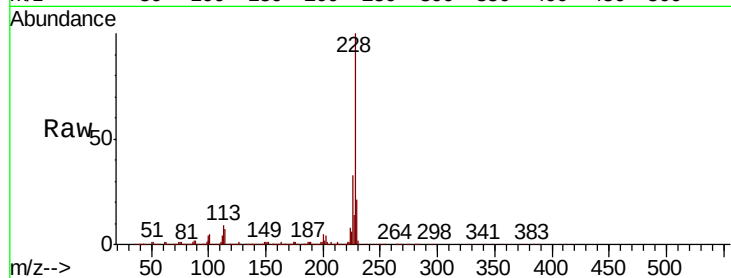
#83  
Chrysene  
Concen: 44.884 ng  
RT: 21.71 min Scan# 3170  
Delta R.T. 0.00 min  
Lab File: BG045028.D  
Acq: 17 Apr 2020 11:50

Instrument :  
BNA\_G  
ClientSampleId :  
PB128274BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 32.7  | 26.2  | 39.4  |
| 229     | 21.1  | 17.0  | 25.6  |

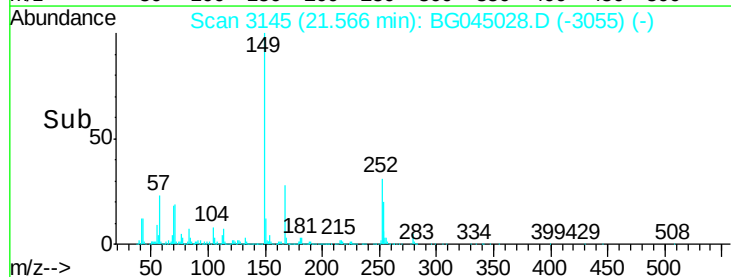
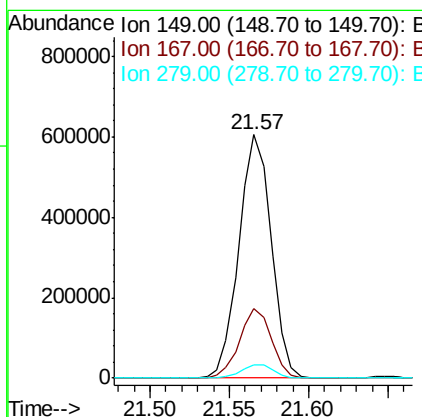
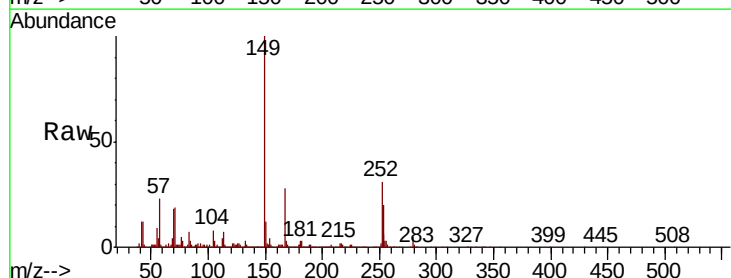
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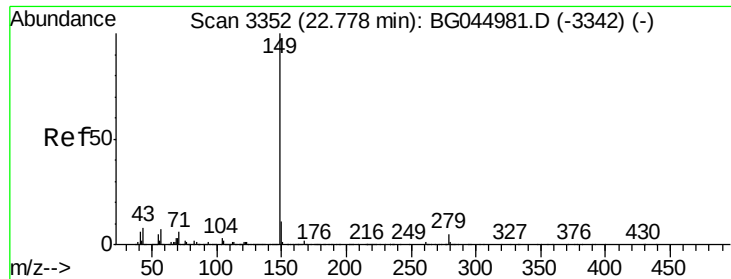
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#84  
Bis(2-ethylhexyl)phthalate  
Concen: 45.178 ng  
RT: 21.57 min Scan# 3145  
Delta R.T. 0.00 min  
Lab File: BG045028.D  
Acq: 17 Apr 2020 11:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 28.3  | 23.4  | 35.0  |
| 279     | 5.4   | 4.3   | 6.5   |





#85

Di-n-octyl phthalate

Concen: 44.154 ng

RT: 22.77 min Scan# 3350

Delta R.T. -0.01 min

Lab File: BG045028.D

Acq: 17 Apr 2020 11:50

Instrument :

BNA\_G

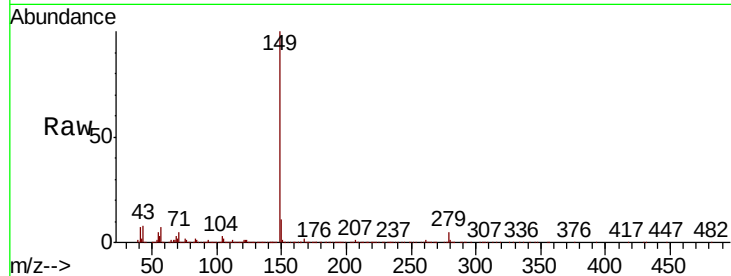
ClientSampleId :

PB128274BS

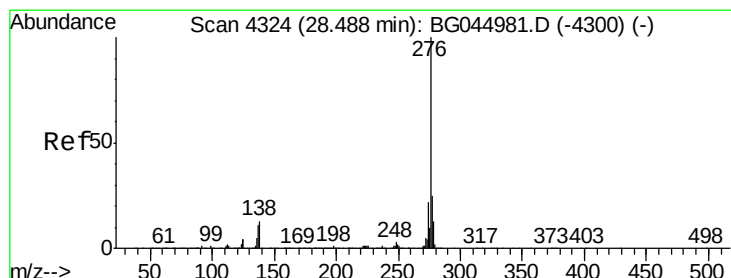
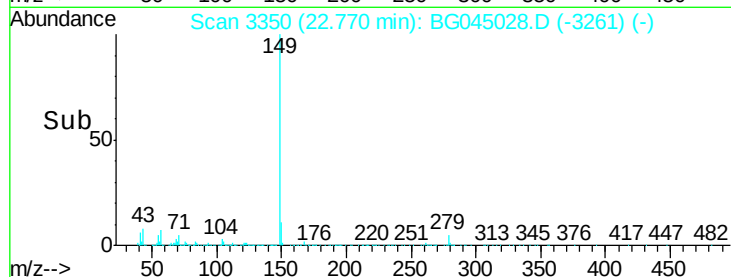
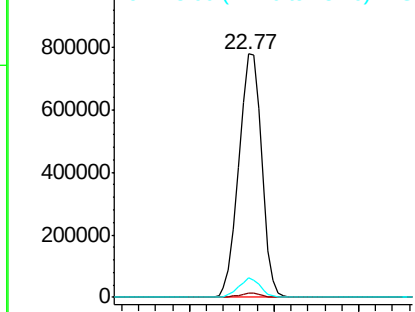
|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 149   | Resp: | 1448142 |
| Ion      | Ratio | Lower | Upper   |
| 149      | 100   |       |         |
| 167      | 1.8   | 1.4   | 2.2     |
| 43       | 7.3   | 5.7   | 8.5     |

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



#86

Indeno(1,2,3-cd)pyrene

Concen: 44.728 ng

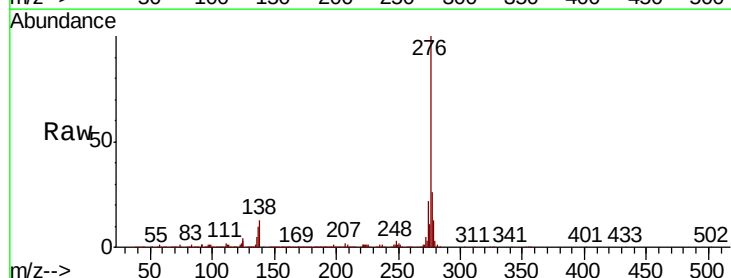
RT: 28.48 min Scan# 4322

Delta R.T. 0.00 min

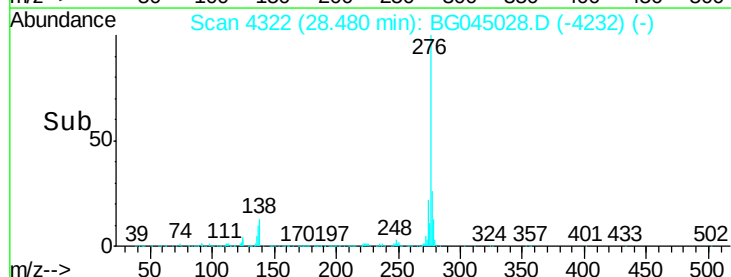
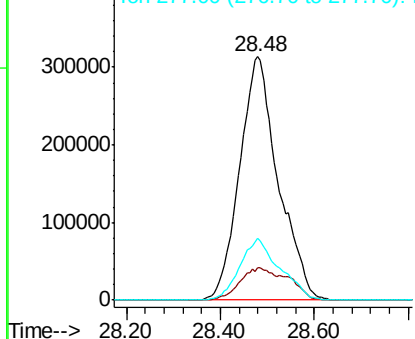
Lab File: BG045028.D

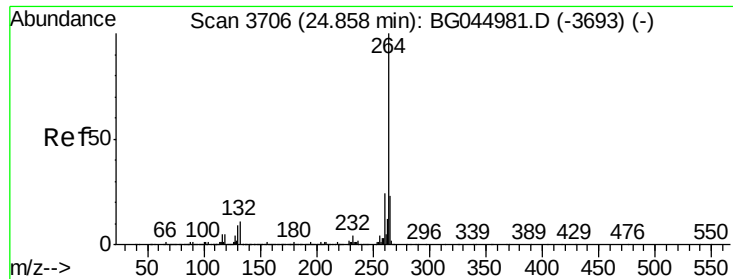
Acq: 17 Apr 2020 11:50

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 276   | Resp: | 1784606 |
| Ion      | Ratio | Lower | Upper   |
| 276      | 100   |       |         |
| 138      | 11.6  | 9.6   | 14.4    |
| 277      | 26.0  | 20.6  | 31.0    |



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





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.85 min Scan# 3704

Delta R.T. -0.01 min

Lab File: BG045028.D

Acq: 17 Apr 2020 11:50

Instrument :

BNA\_G

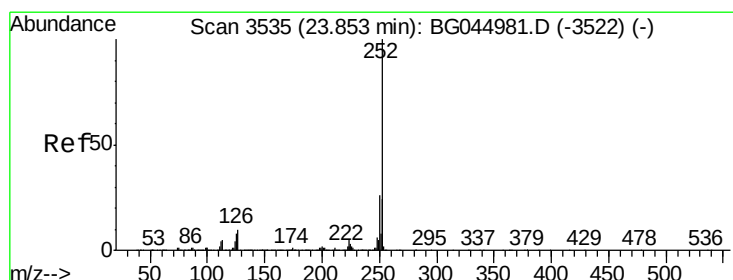
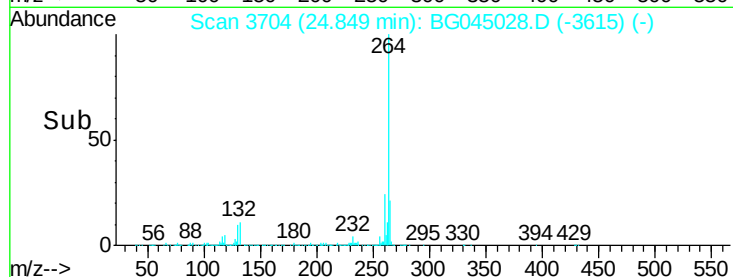
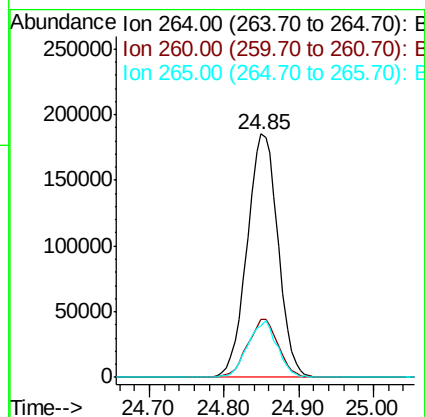
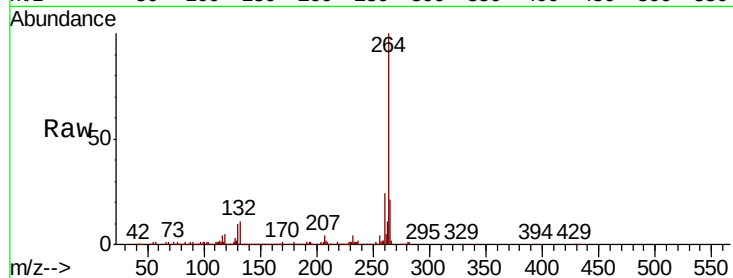
ClientSampleId :

PB128274BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 264   | Resp: | 531440 |
| Ion Ratio | Lower | Upper |        |
| 264       | 100   |       |        |
| 260       | 23.9  | 19.2  | 28.8   |
| 265       | 21.5  | 19.0  | 28.4   |

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#88

Benzo(b)fluoranthene

Concen: 45.570 ng

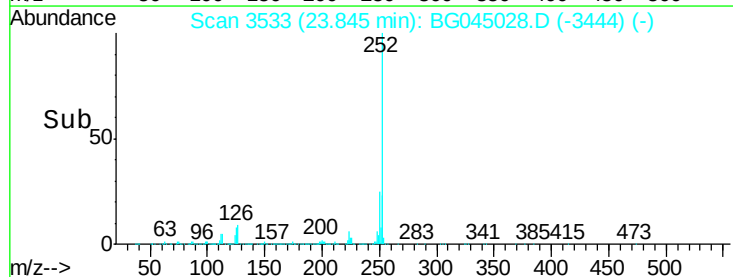
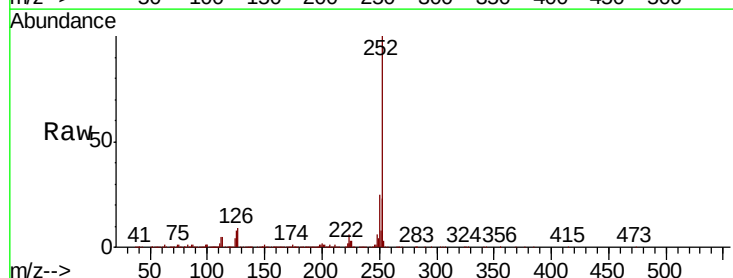
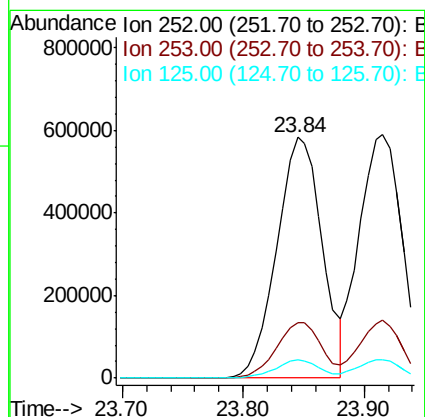
RT: 23.84 min Scan# 3533

Delta R.T. -0.01 min

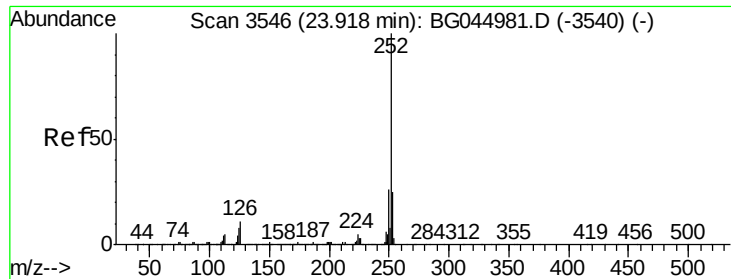
Lab File: BG045028.D

Acq: 17 Apr 2020 11:50

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 252   | Resp: | 1516989 |
| Ion Ratio | Lower | Upper |         |
| 252       | 100   |       |         |
| 253       | 22.9  | 18.8  | 28.2    |
| 125       | 7.8   | 6.2   | 9.4     |







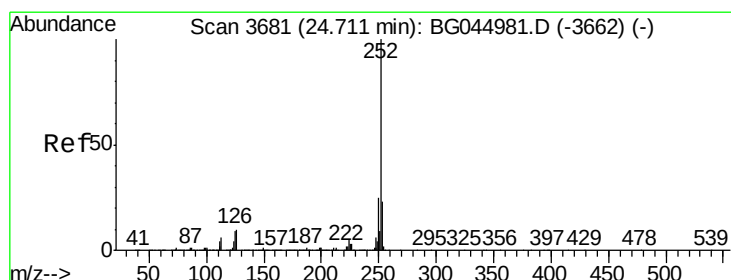
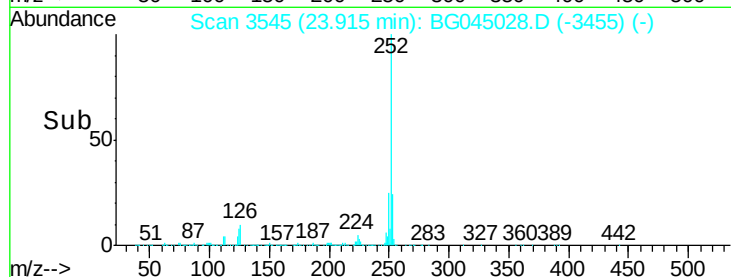
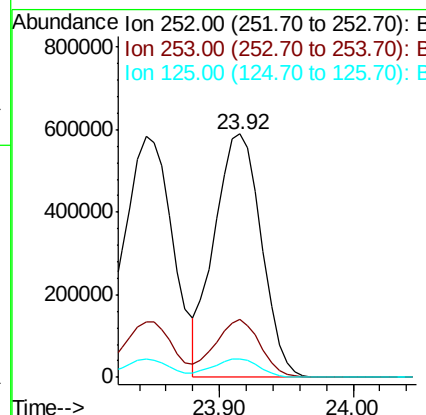
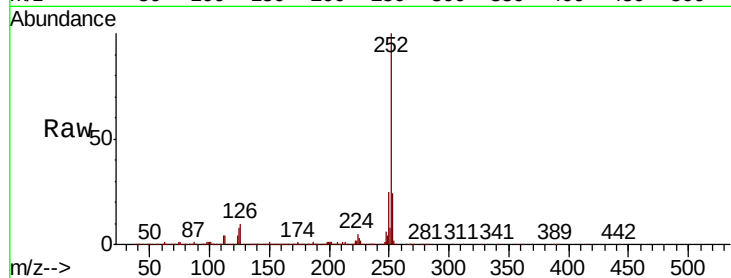
#89  
Benzo(k)fluoranthene  
Concen: 45.615 ng  
RT: 23.92 min Scan# 3545  
Delta R.T. 0.00 min  
Lab File: BG045028.D  
Acq: 17 Apr 2020 11:50

Instrument :  
BNA\_G  
ClientSampleId :  
PB128274BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.9  | 19.2  | 28.8  |
| 125     | 7.6   | 5.9   | 8.9   |

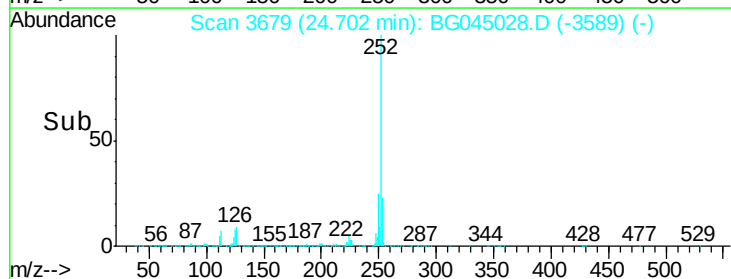
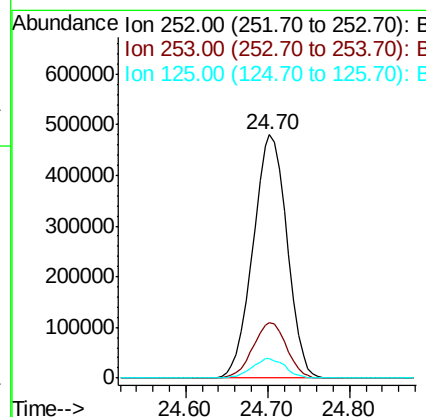
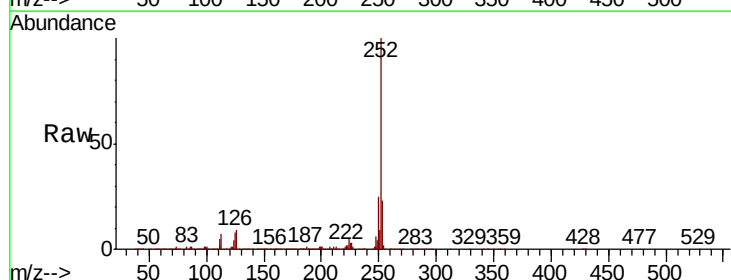
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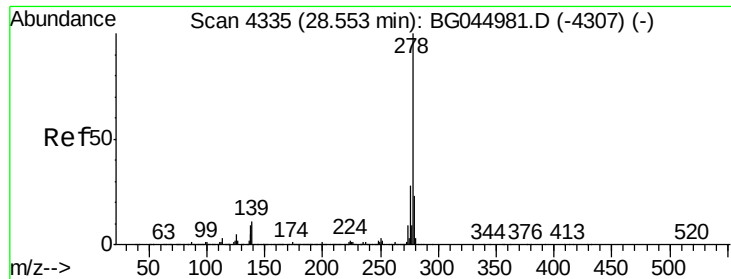
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#90  
Benzo(a)pyrene  
Concen: 44.137 ng  
RT: 24.70 min Scan# 3679  
Delta R.T. 0.00 min  
Lab File: BG045028.D  
Acq: 17 Apr 2020 11:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.9  | 18.3  | 27.5  |
| 125     | 8.1   | 7.0   | 10.6  |





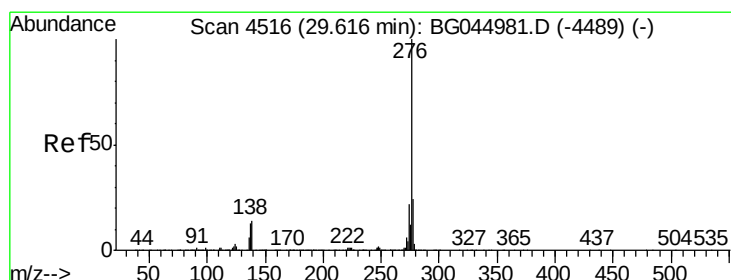
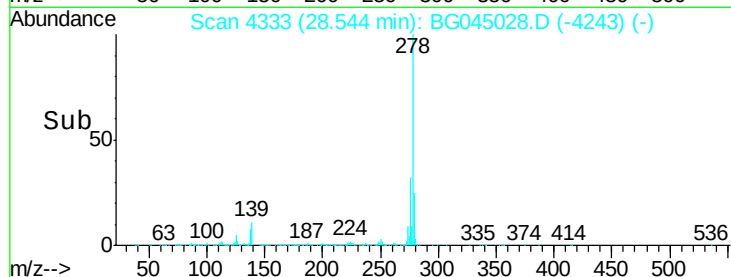
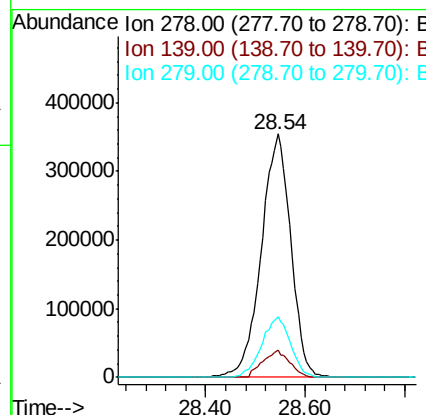
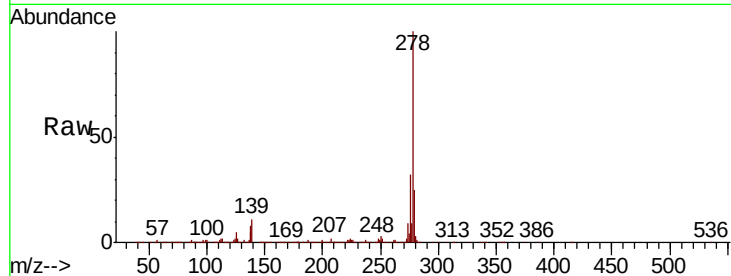
#91  
Dibenzo(a,h)anthracene  
Concen: 46.008 ng  
RT: 28.54 min Scan# 4333  
Delta R.T. 0.00 min  
Lab File: BG045028.D  
Acq: 17 Apr 2020 11:50

Instrument :  
BNA\_G  
ClientSampleId :  
PB128274BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 11.3  | 9.0   | 13.6  |
| 279     | 25.1  | 18.4  | 27.6  |

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#92  
Benzo(g,h,i)perylene  
Concen: 45.596 ng  
RT: 29.61 min Scan# 4514  
Delta R.T. 0.00 min  
Lab File: BG045028.D  
Acq: 17 Apr 2020 11:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 24.3  | 19.3  | 28.9  |
| 138     | 12.8  | 11.4  | 17.2  |

