

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102319\  
 Data File : BG043317.D  
 Acq On : 23 Oct 2019 20:36  
 Operator : JU  
 Sample : K5139-03MSD  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BU-03-102119MSD

Manual Integrations  
 APPROVED

mohammad  
 10/24/2019 2:11:44 PM

Quant Time: Oct 24 07:04:31 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 21 16:37:43 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.02  | 152  | 36584    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.83 | 136  | 136910   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 14.65 | 164  | 108124   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 17.40 | 188  | 262812   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.67 | 240  | 301502   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 24.86 | 264  | 346541   | 20.00 | ng    | 0.00     |

|                             |       |     |         |        |    |      |
|-----------------------------|-------|-----|---------|--------|----|------|
| System Monitoring Compounds |       |     |         |        |    |      |
| 5) 2-Fluorophenol           | 5.61  | 112 | 285483  | 142.99 | ng | 0.00 |
| 7) Phenol-d6                | 7.21  | 99  | 411553  | 143.28 | ng | 0.00 |
| 23) Nitrobenzene-d5         | 9.19  | 82  | 251516  | 94.71  | ng | 0.00 |
| 42) 2,4,6-Tribromophenol    | 16.14 | 330 | 299739  | 145.67 | ng | 0.00 |
| 45) 2-Fluorobiphenyl        | 13.28 | 172 | 698971  | 89.33  | ng | 0.00 |
| 79) Terphenyl-d14           | 20.01 | 244 | 1527846 | 95.07  | ng | 0.00 |

|                                |       |     |        |        |        |      |
|--------------------------------|-------|-----|--------|--------|--------|------|
| Target Compounds               |       |     |        |        | Qvalue |      |
| 2) 1,4-Dioxane                 | 3.50  | 88  | 32471  | 41.736 | ng     | # 41 |
| 3) Pyridine                    | 3.91  | 79  | 65857  | 33.557 | ng     | 96   |
| 4) n-Nitrosodimethylamine      | 3.81  | 42  | 52537  | 53.051 | ng     | 89   |
| 6) Aniline                     | 7.36  | 93  | 48993  | 14.806 | ng     | 93   |
| 8) 2-Chlorophenol              | 7.60  | 128 | 113689 | 51.586 | ng     | 98   |
| 9) Benzaldehyde                | 7.17  | 77  | 31289  | 22.165 | ng     | 95   |
| 10) Phenol                     | 7.23  | 94  | 136612 | 52.046 | ng     | 95   |
| 11) bis(2-Chloroethyl)ether    | 7.45  | 93  | 93601  | 46.124 | ng     | 97   |
| 12) 1,3-Dichlorobenzene        | 7.92  | 146 | 120375 | 43.594 | ng     | 99   |
| 13) 1,4-Dichlorobenzene        | 8.06  | 146 | 123787 | 44.309 | ng     | 98   |
| 14) 1,2-Dichlorobenzene        | 8.38  | 146 | 118041 | 43.274 | ng     | 95   |
| 15) Benzyl Alcohol             | 8.27  | 79  | 102496 | 50.808 | ng     | 89   |
| 16) 2,2'-oxybis(1-Chloropropan | 8.55  | 45  | 130306 | 44.159 | ng     | 99   |
| 17) 2-Methylphenol             | 8.48  | 107 | 97016  | 50.701 | ng     | 98   |
| 18) Hexachloroethane           | 9.11  | 117 | 43611  | 43.268 | ng     | 91   |
| 19) n-Nitroso-di-n-propylamine | 8.83  | 70  | 89046  | 47.975 | ng     | 97   |
| 20) 3+4-Methylphenols          | 8.80  | 107 | 132821 | 50.620 | ng     | 89   |
| 22) Acetophenone               | 8.85  | 105 | 167578 | 47.796 | ng     | # 98 |
| 24) Nitrobenzene               | 9.23  | 77  | 131298 | 51.901 | ng     | 99   |
| 25) Isophorone                 | 9.75  | 82  | 255447 | 52.613 | ng     | 98   |
| 26) 2-Nitrophenol              | 9.94  | 139 | 66806  | 54.699 | ng     | 96   |
| 27) 2,4-Dimethylphenol         | 10.01 | 122 | 105798 | 60.438 | ng     | 96   |
| 28) bis(2-Chloroethoxy)methane | 10.23 | 93  | 130479 | 48.692 | ng     | 94   |
| 29) 2,4-Dichlorophenol         | 10.49 | 162 | 125588 | 55.994 | ng     | 94   |
| 30) 1,2,4-Trichlorobenzene     | 10.69 | 180 | 133183 | 47.114 | ng     | 95   |
| 31) Naphthalene                | 10.88 | 128 | 350983 | 50.505 | ng     | 98   |
| 32) Benzoic acid               | 10.17 | 122 | 65246  | 48.661 | ng     | 94   |
| 33) 4-Chloroaniline            | 11.03 | 127 | 6145   | 2.157  | ng     | # 88 |
| 34) Hexachlorobutadiene        | 11.17 | 225 | 94073  | 45.018 | ng     | 92   |
| 35) Caprolactam                | 11.77 | 113 | 41012m | 53.093 | ng     |      |
| 36) 4-Chloro-3-methylphenol    | 12.12 | 107 | 144974 | 59.257 | ng     | 97   |
| 37) 2-Methylnaphthalene        | 12.48 | 142 | 279211 | 52.363 | ng     | 97   |
| 38) 1-Methylnaphthalene        | 12.70 | 142 | 266429 | 52.514 | ng     | 99   |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.85 | 216 | 177124 | 44.264 | ng     | 99   |

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 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BU-03-102119MSD

Manual Integrations  
 APPROVED

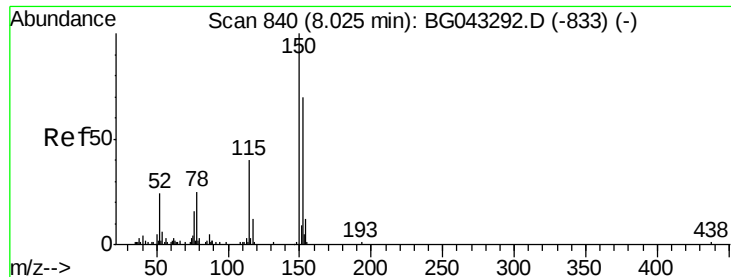
mohammad  
 10/24/2019 2:11:44 PM

Quant Time: Oct 24 07:04:31 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 21 16:37:43 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 12.83 | 237  | 229163   | 109.021 | nq    | 99       |
| 43) 2,4,6-Trichlorophenol      | 13.09 | 196  | 123957   | 52.602  | nq    | 98       |
| 44) 2,4,5-Trichlorophenol      | 13.18 | 196  | 141825   | 59.530  | nq    | 98       |
| 46) 1,1'-Biphenyl              | 13.49 | 154  | 378649   | 46.034  | nq    | 98       |
| 47) 2-Chloronaphthalene        | 13.53 | 162  | 293701   | 46.928  | nq    | 98       |
| 48) 2-Nitroaniline             | 13.73 | 65   | 95402    | 51.002  | nq    | 97       |
| 49) Acenaphthylene             | 14.37 | 152  | 499953   | 51.327  | nq    | 98       |
| 50) Dimethylphthalate          | 14.11 | 163  | 435124   | 51.955  | nq    | 99       |
| 51) 2,6-Dinitrotoluene         | 14.23 | 165  | 98640    | 54.214  | nq    | 98       |
| 52) Acenaphthene               | 14.72 | 154  | 300692   | 50.621  | nq    | 99       |
| 53) 3-Nitroaniline             | 14.56 | 138  | 19891    | 11.323  | nq    | 89       |
| 54) 2,4-Dinitrophenol          | 14.77 | 184  | 131488   | 112.478 | nq    | 96       |
| 55) Dibenzofuran               | 15.05 | 168  | 493736   | 51.256  | nq    | 98       |
| 56) 4-Nitrophenol              | 14.89 | 139  | 151397   | 128.610 | nq    | 95       |
| 57) 2,4-Dinitrotoluene         | 15.01 | 165  | 141550   | 54.438  | nq    | 100      |
| 58) Fluorene                   | 15.70 | 166  | 422392   | 52.281  | nq    | 95       |
| 59) 2,3,4,6-Tetrachlorophenol  | 15.28 | 232  | 146738   | 57.972  | nq    | # 99     |
| 60) Diethylphthalate           | 15.47 | 149  | 439789   | 52.262  | nq    | 97       |
| 61) 4-Chlorophenyl-phenylether | 15.69 | 204  | 241005   | 51.134  | nq    | 98       |
| 62) 4-Nitroaniline             | 15.73 | 138  | 78366    | 43.197  | nq    | 96       |
| 63) Azobenzene                 | 15.98 | 77   | 355194   | 52.154  | nq    | 98       |
| 65) 4,6-Dinitro-2-methylphenol | 15.78 | 198  | 96212    | 62.207  | nq    | 95       |
| 66) n-Nitrosodiphenylamine     | 15.91 | 169  | 369093   | 49.744  | nq    | 97       |
| 67) 4-Bromophenyl-phenylether  | 16.58 | 248  | 174715   | 49.398  | nq    | 98       |
| 68) Hexachlorobenzene          | 16.71 | 284  | 196073   | 48.295  | nq    | 97       |
| 69) Atrazine                   | 16.85 | 200  | 124430   | 48.262  | nq    | 95       |
| 70) Pentachlorophenol          | 17.05 | 266  | 236035   | 127.591 | nq    | 96       |
| 71) Phenanthrene               | 17.44 | 178  | 692589   | 51.463  | nq    | 99       |
| 72) Anthracene                 | 17.53 | 178  | 720732   | 53.527  | nq    | 99       |
| 73) Carbazole                  | 17.80 | 167  | 632227   | 51.850  | nq    | 99       |
| 74) Di-n-butylphthalate        | 18.35 | 149  | 777458   | 52.548  | nq    | 99       |
| 75) Fluoranthene               | 19.45 | 202  | 946176   | 53.928  | nq    | 99       |
| 77) Benzidine                  | 19.69 | 184  | 14382    | 2.370   | nq    | 98       |
| 78) Pyrene                     | 19.81 | 202  | 957390   | 51.300  | nq    | 99       |
| 80) Butylbenzylphthalate       | 20.69 | 149  | 358542   | 50.709  | nq    | 98       |
| 81) Benzo(a)anthracene         | 21.65 | 228  | 978804   | 51.827  | nq    | 100      |
| 82) 3,3'-Dichlorobenzidine     | 21.57 | 252  | 73339    | 10.040  | nq    | 95       |
| 83) Chrysene                   | 21.71 | 228  | 966668   | 51.516  | nq    | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 21.55 | 149  | 525149   | 52.286  | nq    | 100      |
| 85) Di-n-octyl phthalate       | 22.75 | 149  | 899418   | 52.783  | nq    | 100      |
| 86) Indeno(1,2,3-cd)pyrene     | 28.51 | 276  | 1239944  | 52.642  | nq    | 100      |
| 88) Benzo(b)fluoranthene       | 23.85 | 252  | 1018482  | 51.892  | nq    | 97       |
| 89) Benzo(k)fluoranthene       | 23.92 | 252  | 1075885  | 54.451  | nq    | 97       |
| 90) Benzo(a)pyrene             | 24.72 | 252  | 954822   | 50.945  | nq    | 98       |
| 91) Dibenzo(a,h)anthracene     | 28.57 | 278  | 1036204  | 54.052  | nq    | 98       |
| 92) Benzo(g,h,i)perylene       | 29.65 | 276  | 1014097  | 53.628  | nq    | 99       |

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





#1

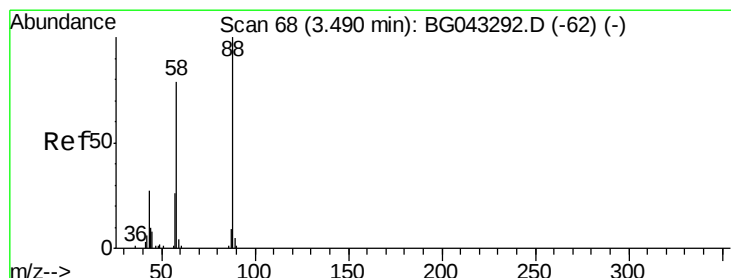
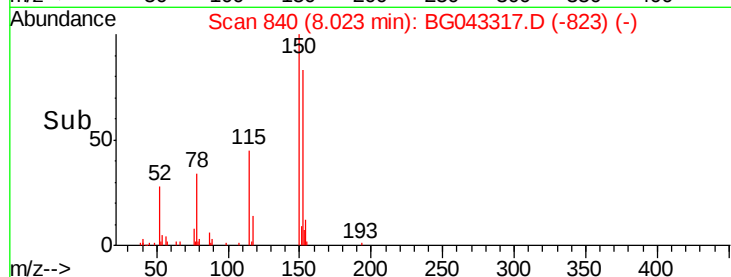
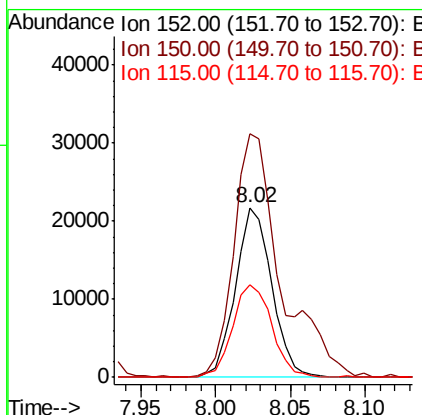
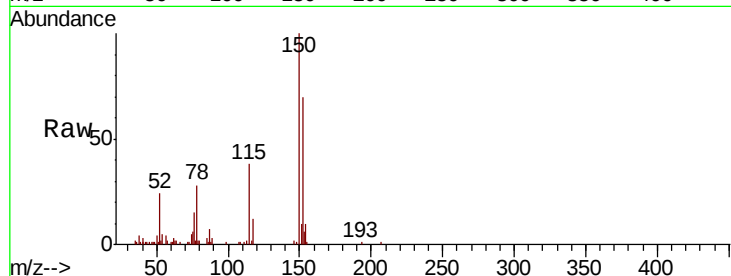
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.02 min Scan# 840  
Delta R.T. -0.00 min  
Lab File: BG043317.D  
Acq: 23 Oct 2019 20:36

Instrument :  
BNA\_G  
ClientSampleId :  
BU-03-102119MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 143.6 | 113.6 | 170.4 |
| 115     | 54.6  | 45.9  | 68.9  |

Manual Integrations  
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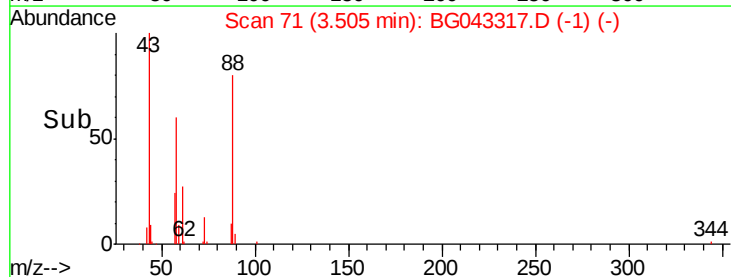
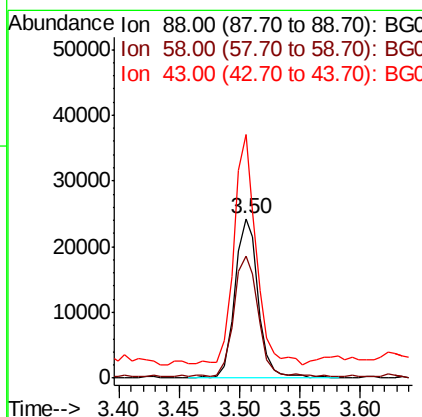
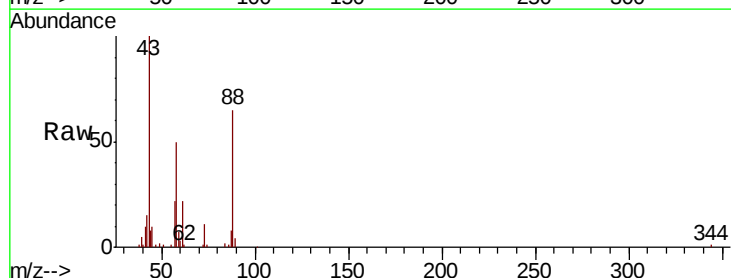
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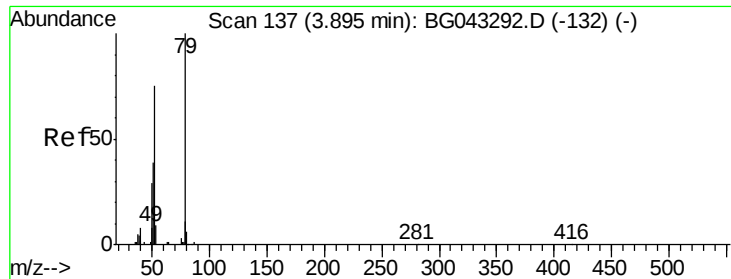


#2

1,4-Dioxane  
Concen: 41.736 ng  
RT: 3.50 min Scan# 71  
Delta R.T. 0.02 min  
Lab File: BG043317.D  
Acq: 23 Oct 2019 20:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 79.3  | 60.2  | 90.2  |
| 43      | 135.6 | 22.7  | 34.1# |





#3

Pvridine

Concen: 33.557 ng

RT: 3.91 min Scan# 140

Delta R.T. 0.02 min

Lab File: BG043317.D

Acq: 23 Oct 2019 20:36

Instrument :

BNA\_G

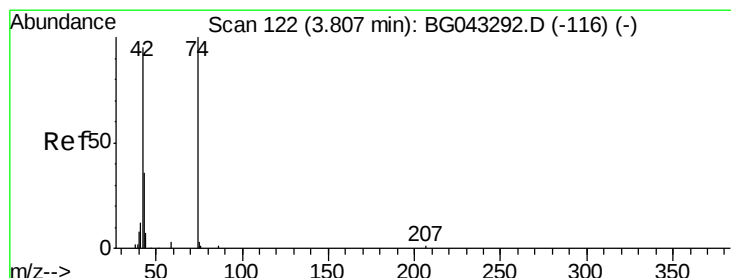
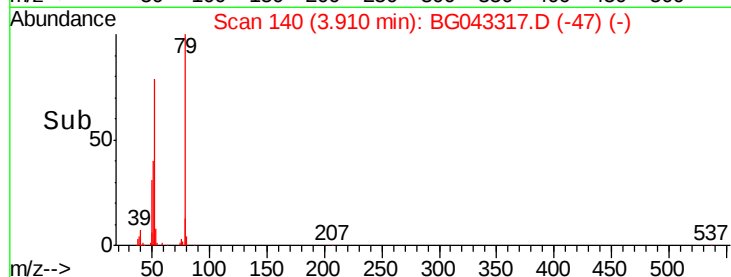
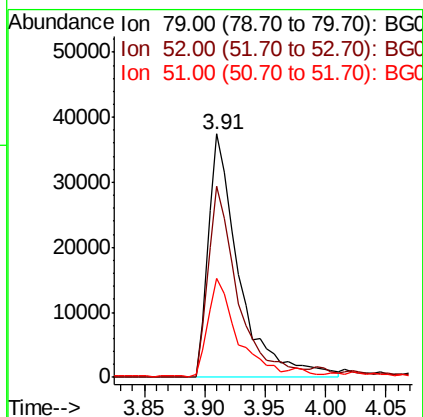
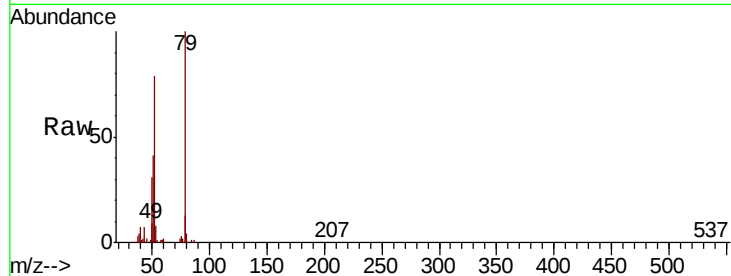
ClientSampleId :

BU-03-102119MSD

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 79    | Resp: | 65857 |
| Ion      | Ratio | Lower | Upper |
| 79       | 100   |       |       |
| 52       | 78.6  | 59.7  | 89.5  |
| 51       | 40.5  | 31.8  | 47.6  |

Manual Integrations  
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#4

n-Nitrosodimethylamine

Concen: 53.051 ng

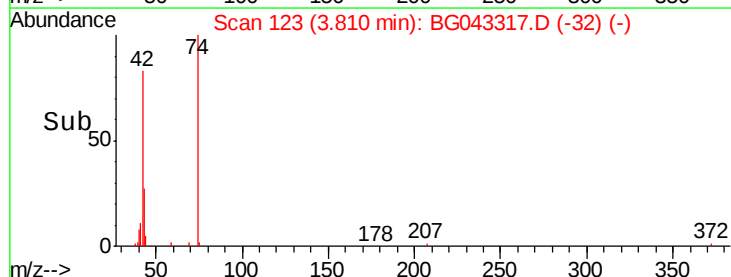
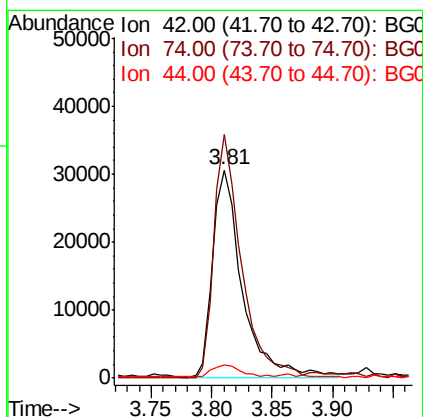
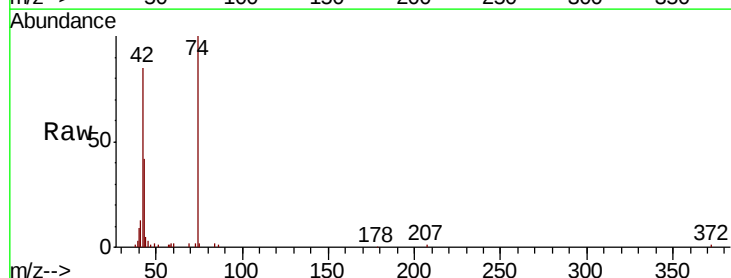
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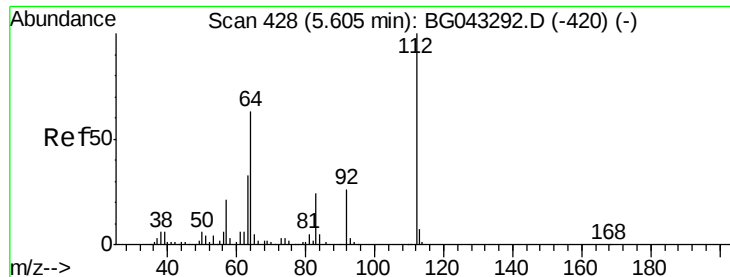
Delta R.T. 0.00 min

Lab File: BG043317.D

Acq: 23 Oct 2019 20:36

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 52537 |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 74       | 117.2 | 84.2  | 126.2 |
| 44       | 6.4   | 6.0   | 9.0   |





#5

2-Fluorophenol

Concen: 142.995 ng

RT: 5.61 min Scan# 429

Delta R.T. 0.00 min

Lab File: BG043317.D

Acq: 23 Oct 2019 20:36

Instrument :

BNA\_G

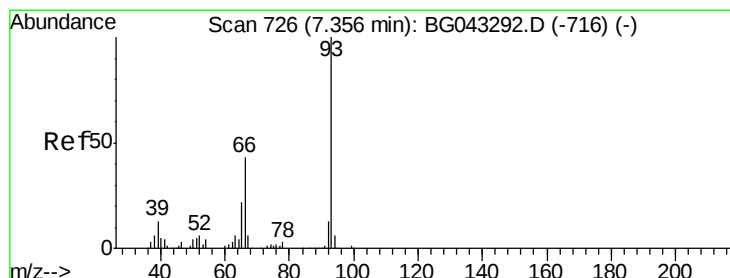
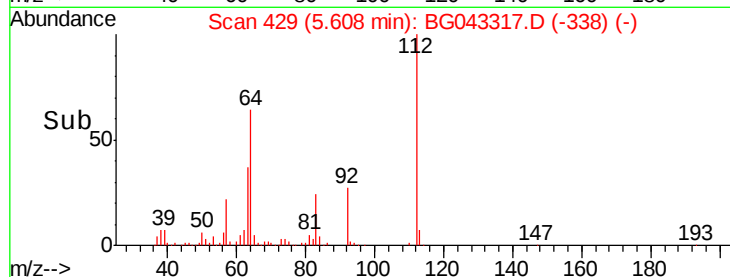
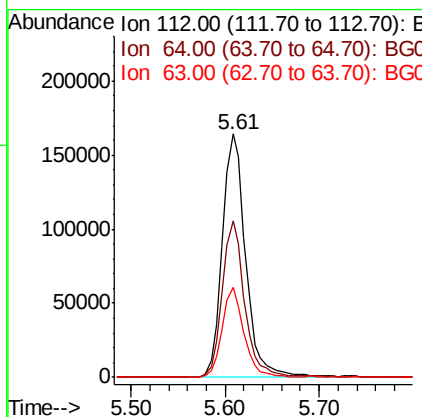
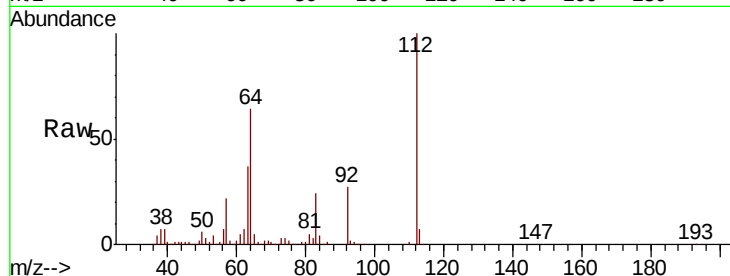
ClientSampleId :

BU-03-102119MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 112   | Resp: | 285483 |
| Ion Ratio | Lower | Upper |        |
| 112       | 100   |       |        |
| 64        | 64.4  | 50.2  | 75.2   |
| 63        | 37.0  | 26.7  | 40.1   |

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#6

Aniline

Concen: 14.806 ng

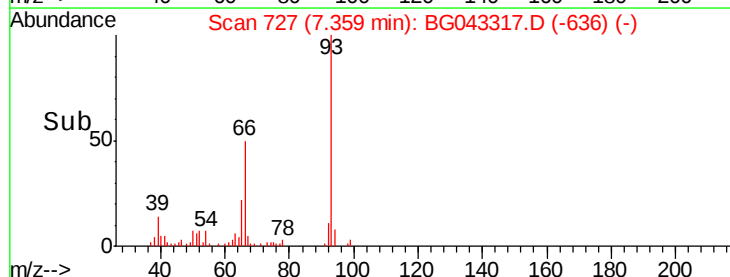
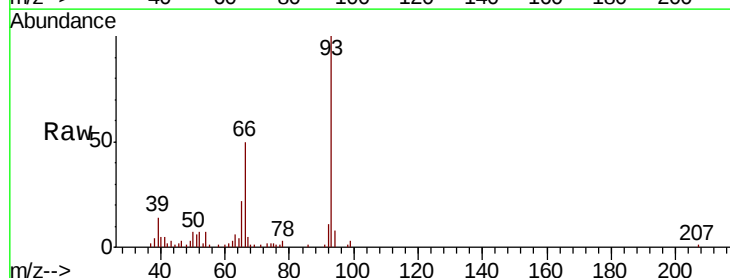
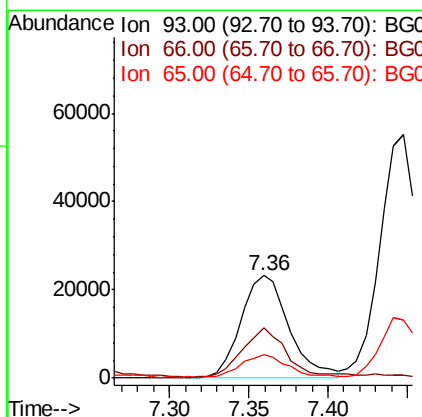
RT: 7.36 min Scan# 727

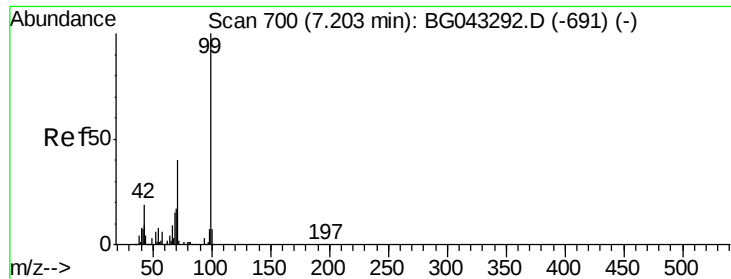
Delta R.T. 0.00 min

Lab File: BG043317.D

Acq: 23 Oct 2019 20:36

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 93    | Resp: | 48993 |
| Ion Ratio | Lower | Upper |       |
| 93        | 100   |       |       |
| 66        | 49.6  | 34.5  | 51.7  |
| 65        | 22.3  | 18.0  | 27.0  |





#7

Phenol-d6

Concen: 143.277 ng

RT: 7.21 min Scan# 701

Delta R.T. 0.00 min

Lab File: BG043317.D

Acq: 23 Oct 2019 20:36

Instrument :

BNA\_G

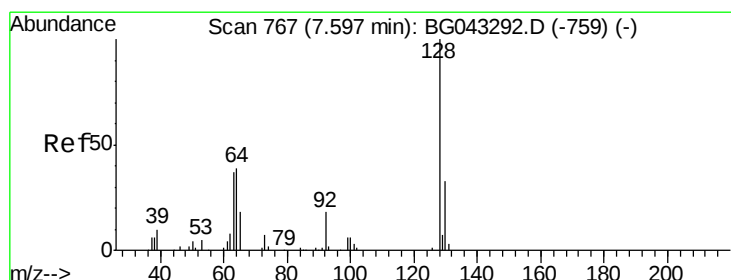
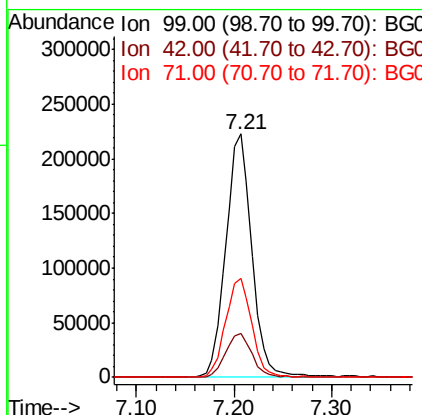
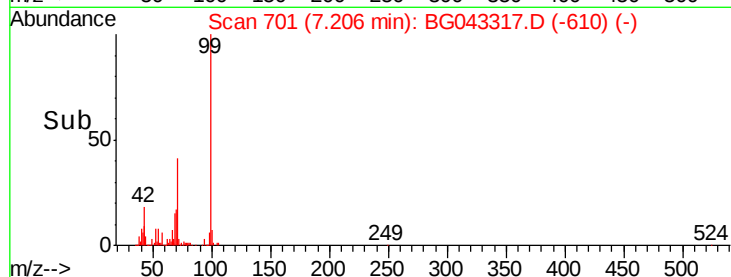
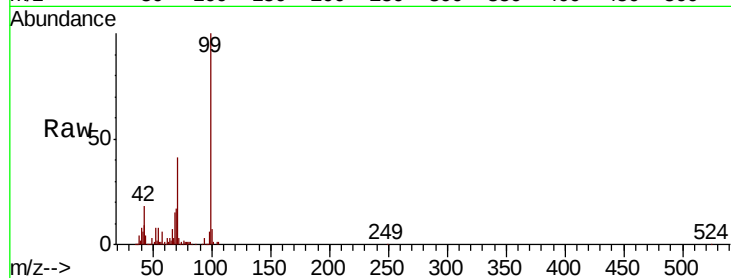
ClientSampleId :

BU-03-102119MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 99    | Resp: | 411553 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 18.3  | 14.9  | 22.3   |
| 71        | 40.6  | 32.2  | 48.2   |

Manual Integrations  
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#8

2-Chlorophenol

Concen: 51.586 ng

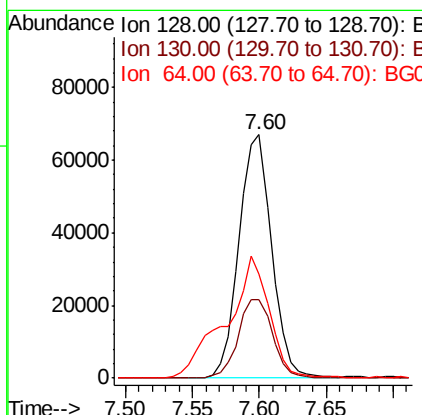
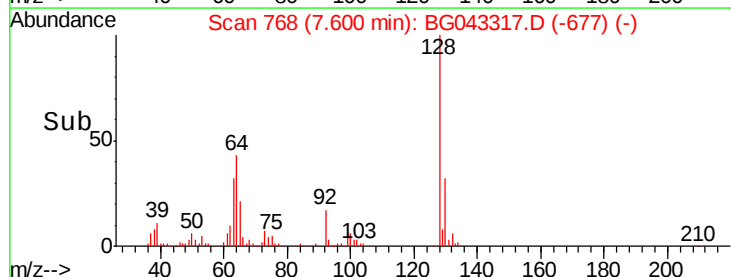
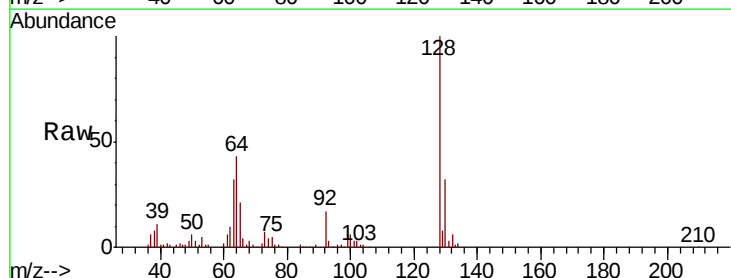
RT: 7.60 min Scan# 768

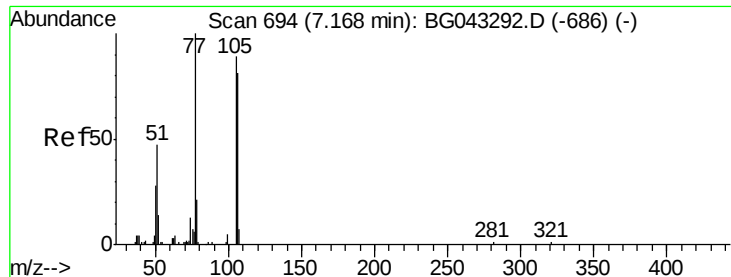
Delta R.T. 0.00 min

Lab File: BG043317.D

Acq: 23 Oct 2019 20:36

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 128   | Resp: | 113689 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 130       | 32.2  | 12.9  | 52.9   |
| 64        | 42.8  | 24.9  | 64.9   |





#9

Benzaldehyde

Concen: 22.165 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.00 min

Lab File: BG043317.D

Acq: 23 Oct 2019 20:36

Instrument :

BNA\_G

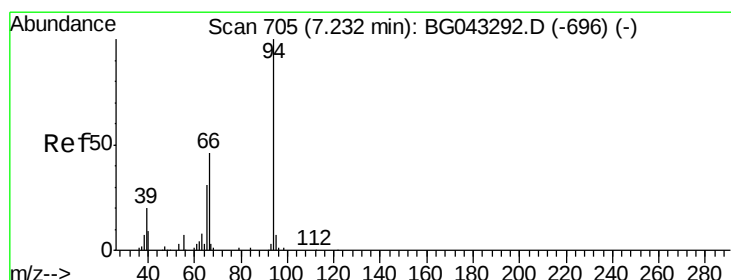
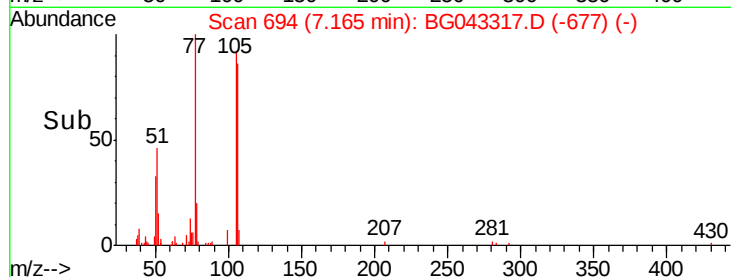
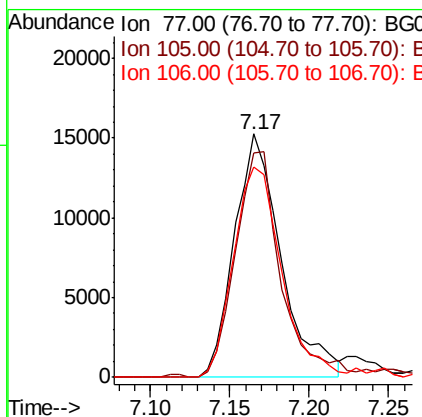
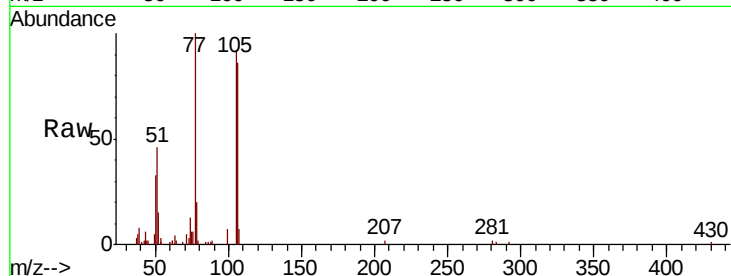
ClientSampleId :

BU-03-102119MSD

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 77    | Resp: | 31289 |
| Ion      | Ratio | Lower | Upper |
| 77       | 100   |       |       |
| 105      | 92.4  | 68.7  | 108.7 |
| 106      | 86.5  | 60.5  | 100.5 |

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#10

Phenol

Concen: 52.046 ng

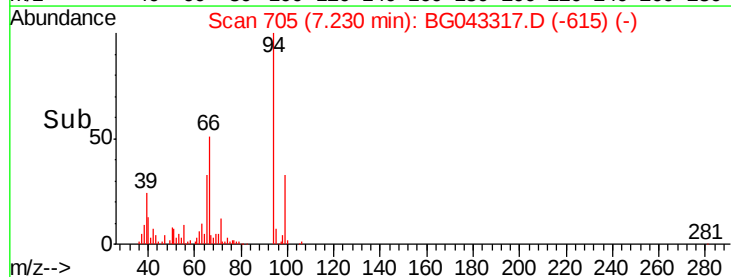
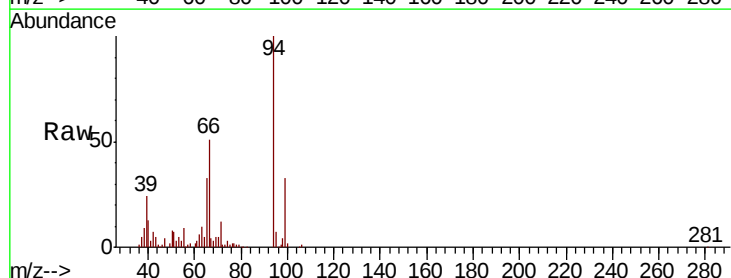
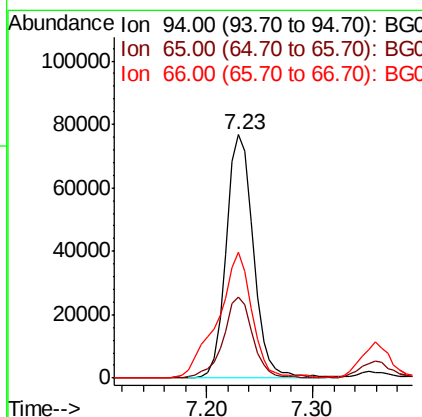
RT: 7.23 min Scan# 705

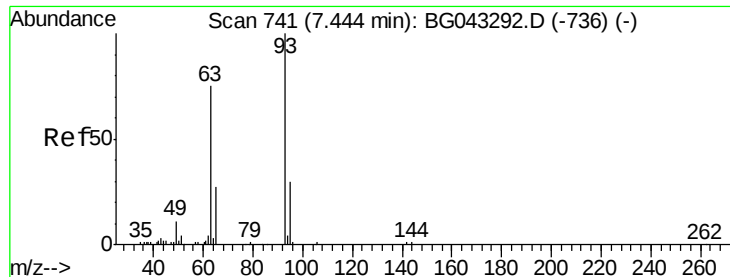
Delta R.T. -0.00 min

Lab File: BG043317.D

Acq: 23 Oct 2019 20:36

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 94    | Resp: | 136612 |
| Ion      | Ratio | Lower | Upper  |
| 94       | 100   |       |        |
| 65       | 33.3  | 11.1  | 51.1   |
| 66       | 51.5  | 27.8  | 67.8   |





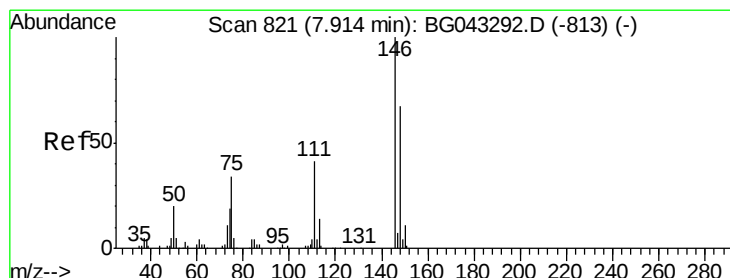
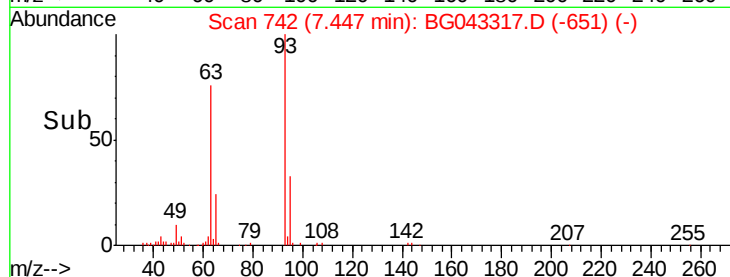
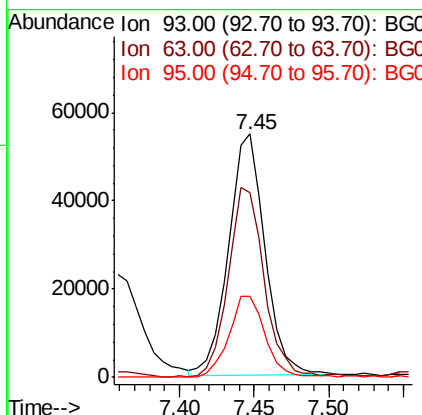
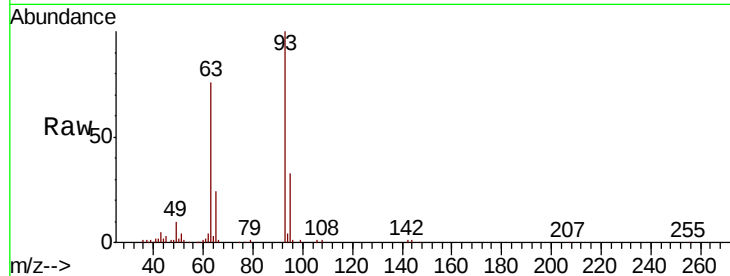
#11  
bis(2-Chloroethyl)ether  
Concen: 46.124 ng  
RT: 7.45 min Scan# 742  
Delta R.T. 0.00 min  
Lab File: BG043317.D  
Acq: 23 Oct 2019 20:36

Instrument :  
BNA\_G  
ClientSampleId :  
BU-03-102119MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 63      | 75.6  | 54.6  | 94.6  |
| 95      | 33.2  | 9.7   | 49.7  |

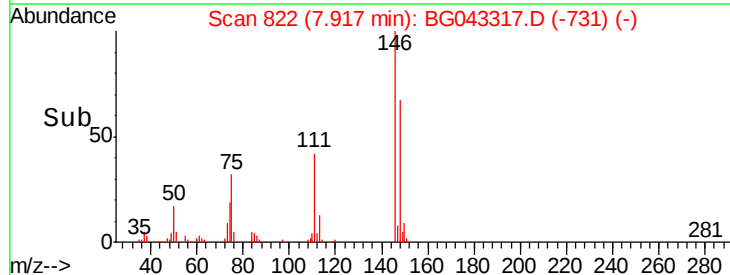
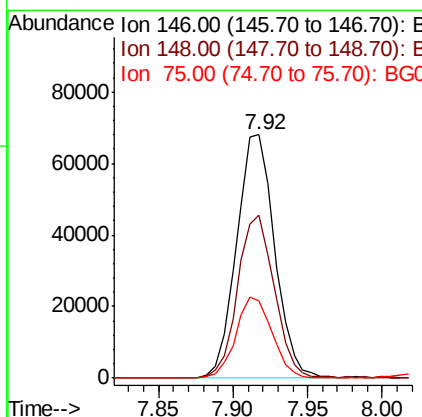
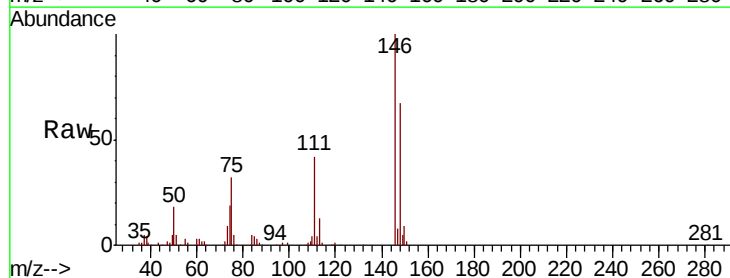
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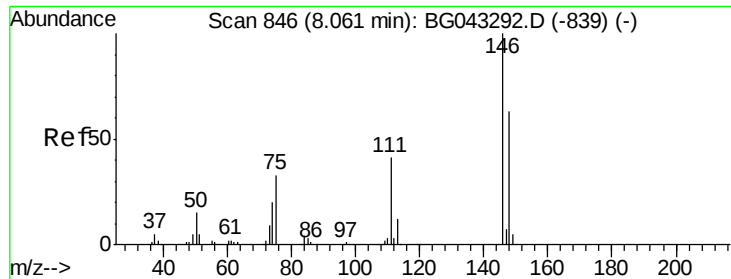
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#12  
1,3-Dichlorobenzene  
Concen: 43.594 ng  
RT: 7.92 min Scan# 822  
Delta R.T. 0.00 min  
Lab File: BG043317.D  
Acq: 23 Oct 2019 20:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 66.7  | 53.4  | 80.2  |
| 75      | 31.6  | 27.0  | 40.4  |





#13

1,4-Dichlorobenzene

Concen: 44.309 ng

RT: 8.06 min Scan# 846

Delta R.T. -0.00 min

Lab File: BG043317.D

Acq: 23 Oct 2019 20:36

Instrument :

BNA\_G

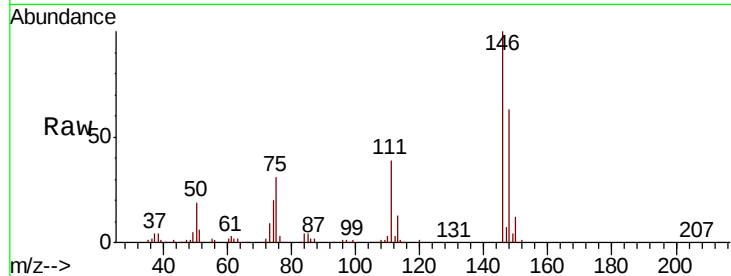
ClientSampleId :

BU-03-102119MSD

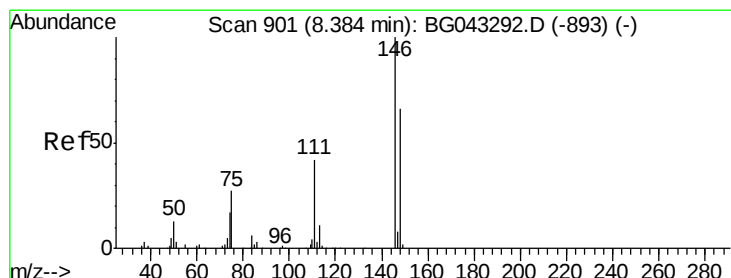
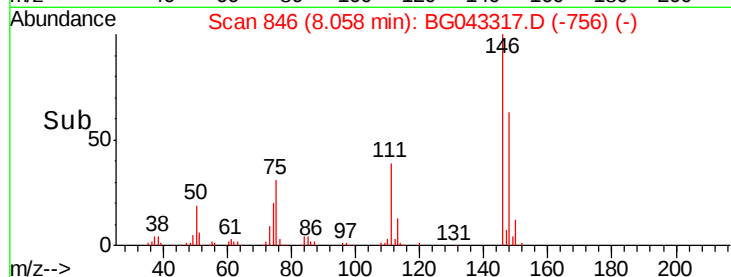
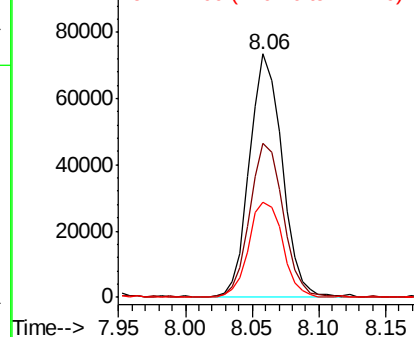
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 123787 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 63.0  | 50.7  | 76.1   |
| 111       | 39.0  | 33.0  | 49.6   |

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



#14

1,2-Dichlorobenzene

Concen: 43.274 ng

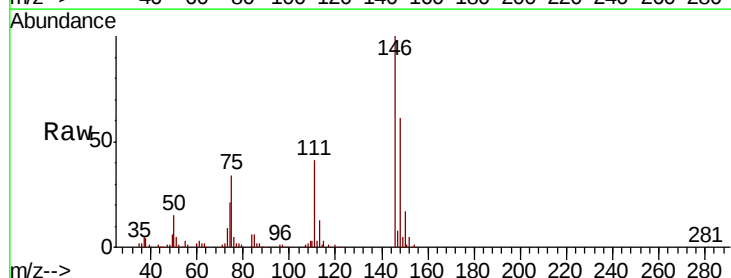
RT: 8.38 min Scan# 901

Delta R.T. -0.00 min

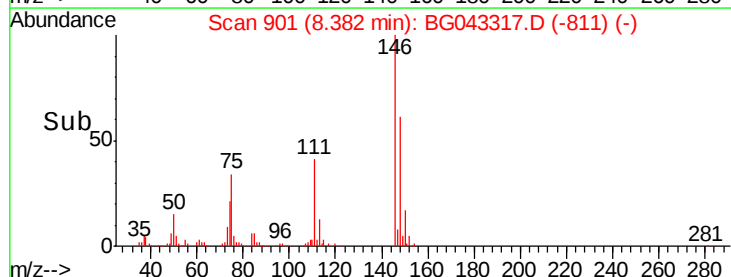
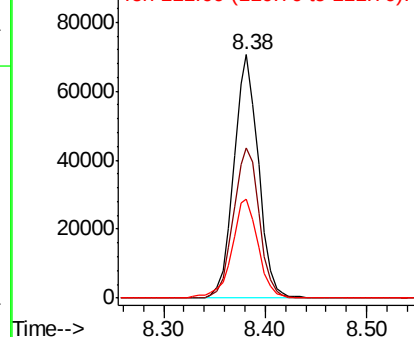
Lab File: BG043317.D

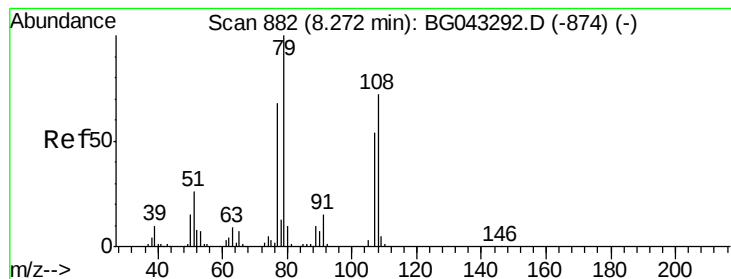
Acq: 23 Oct 2019 20:36

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 118041 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 61.5  | 53.0  | 79.4   |
| 111       | 40.7  | 34.5  | 51.7   |



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





#15

Benzyl Alcohol

Concen: 50.808 ng

RT: 8.27 min Scan# 882

Delta R.T. -0.00 min

Lab File: BG043317.D

Acq: 23 Oct 2019 20:36

Instrument :

BNA\_G

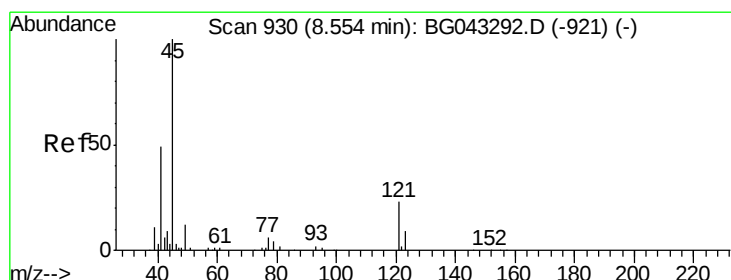
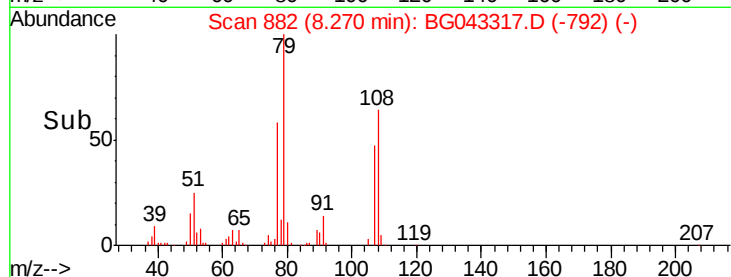
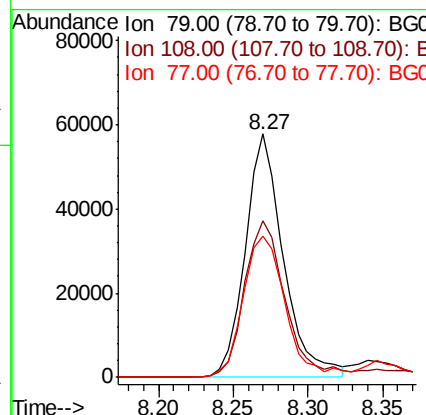
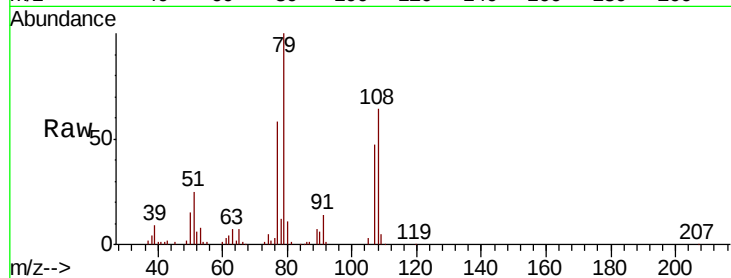
ClientSampleId :

BU-03-102119MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 79    | Resp: | 102496 |
| Ion Ratio | Lower | Upper |        |
| 79        | 100   |       |        |
| 108       | 64.4  | 57.3  | 85.9   |
| 77        | 57.8  | 54.6  | 81.8   |

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#16

2,2'-oxybis(1-chloropropane)

Concen: 44.159 ng

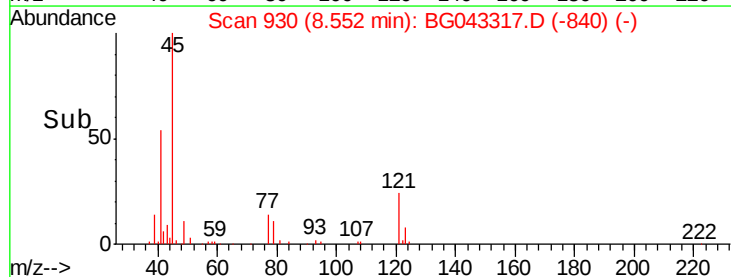
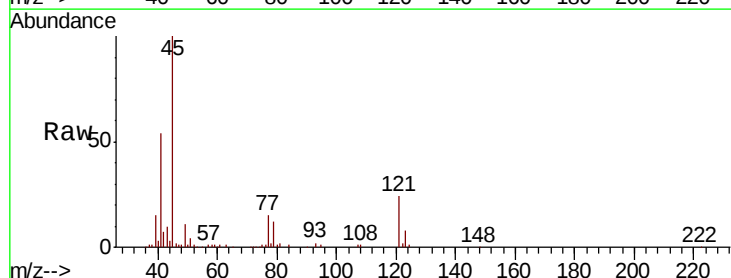
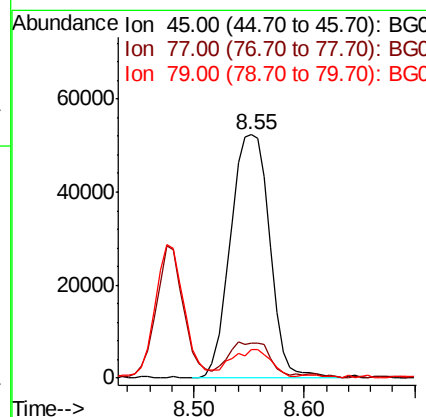
RT: 8.55 min Scan# 930

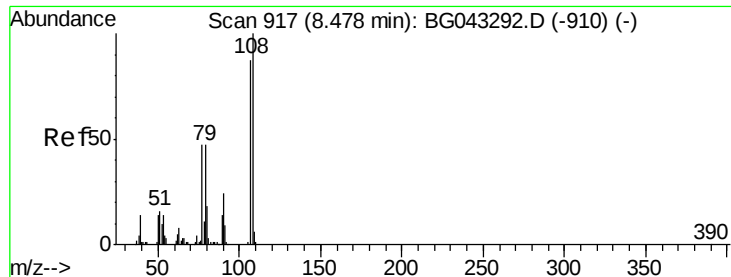
Delta R.T. -0.00 min

Lab File: BG043317.D

Acq: 23 Oct 2019 20:36

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 45    | Resp: | 130306 |
| Ion Ratio | Lower | Upper |        |
| 45        | 100   |       |        |
| 77        | 14.6  | 0.0   | 34.2   |
| 79        | 11.6  | 0.0   | 32.3   |





#17

2-Methylphenol

Concen: 50.701 ng

RT: 8.48 min Scan# 918

Delta R.T. 0.00 min

Lab File: BG043317.D

Acq: 23 Oct 2019 20:36

Instrument :

BNA\_G

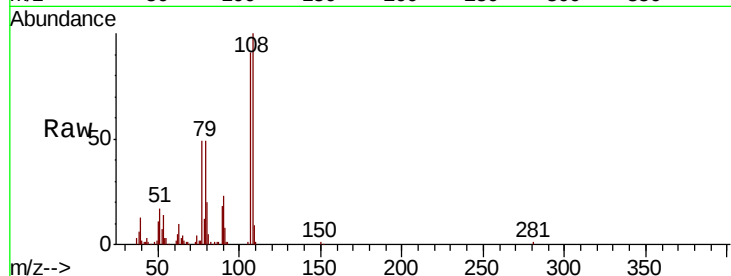
ClientSampleId :

BU-03-102119MSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 107     | 100   |      |       |       |
| 108     | 110.0 | 91.3 | 136.9 |       |
| 77      | 53.5  | 43.0 | 64.6  |       |
| 79      | 54.1  | 43.4 | 65.2  |       |

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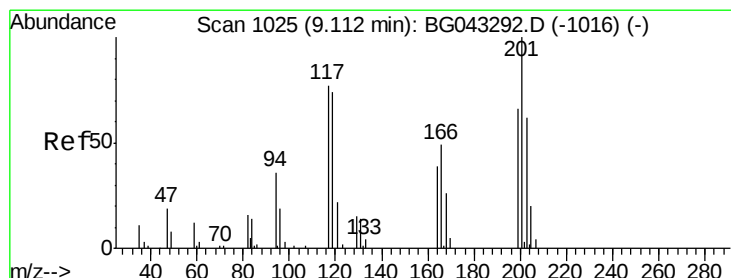
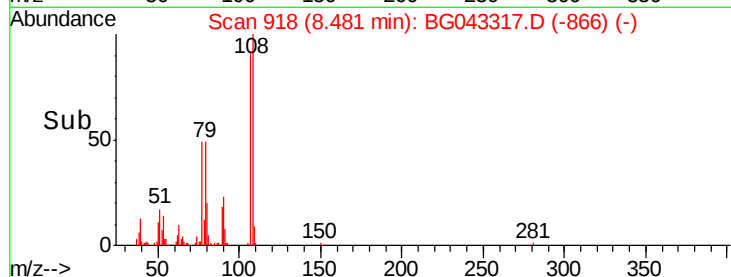
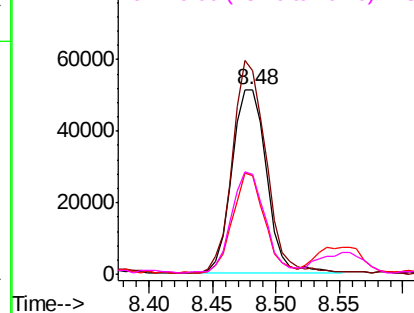
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



#18

Hexachloroethane

Concen: 43.268 ng

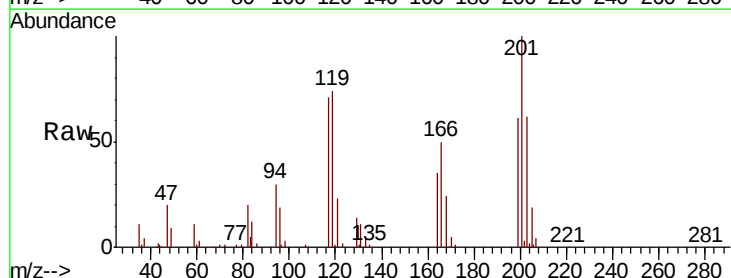
RT: 9.11 min Scan# 1025

Delta R.T. -0.00 min

Lab File: BG043317.D

Acq: 23 Oct 2019 20:36

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 117     | 100   |       |       |       |
| 119     | 105.4 | 77.3  | 115.9 |       |
| 201     | 141.7 | 104.2 | 156.4 |       |

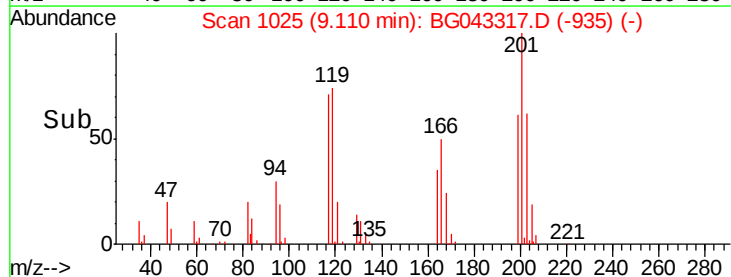
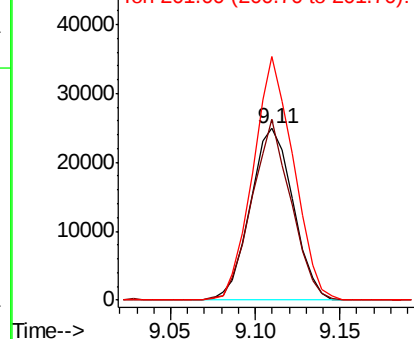


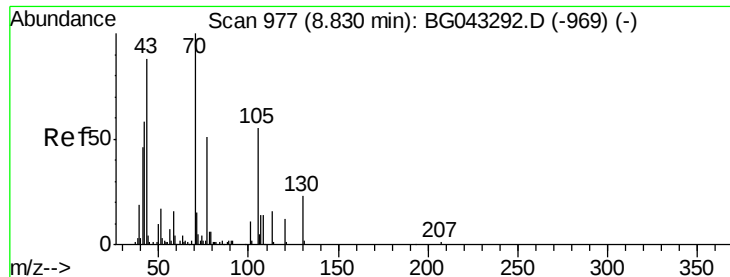
Abundance

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





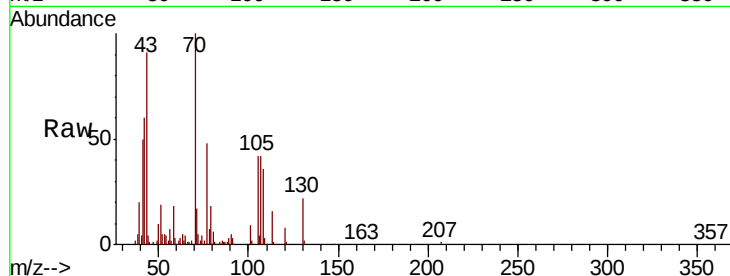
#19  
n-Nitroso-di-n-propylamine  
Concen: 47.975 ng  
RT: 8.83 min Scan# 977  
Delta R.T. -0.00 min  
Lab File: BG043317.D  
Acq: 23 Oct 2019 20:36

Instrument :  
BNA\_G  
ClientSampleId :  
BU-03-102119MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 60.4  | 46.2  | 69.2  |
| 101     | 9.3   | 8.6   | 13.0  |
| 130     | 22.1  | 18.6  | 27.8  |

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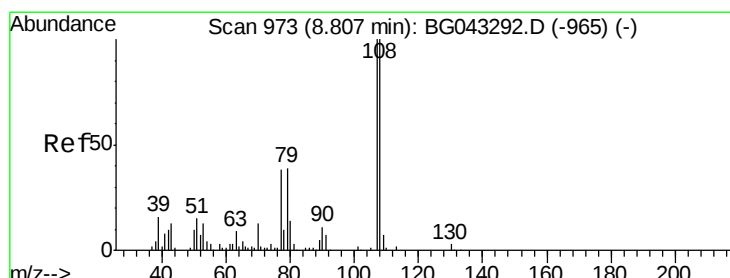
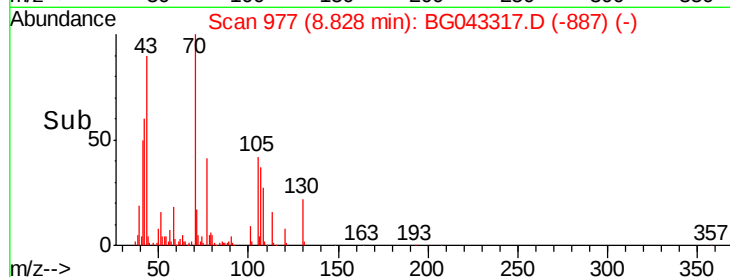
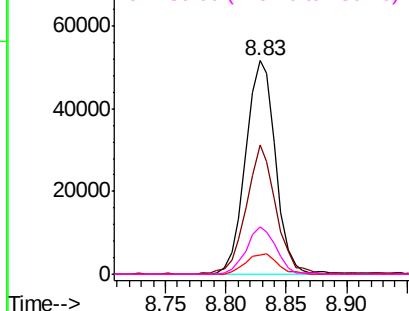
Abundance

Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC



#20  
3+4-Methylphenols  
Concen: 50.620 ng  
RT: 8.80 min Scan# 973  
Delta R.T. -0.00 min  
Lab File: BG043317.D  
Acq: 23 Oct 2019 20:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 84.8  | 80.3  | 120.3 |
| 77      | 37.5  | 18.2  | 58.2  |
| 79      | 32.8  | 18.8  | 58.8  |

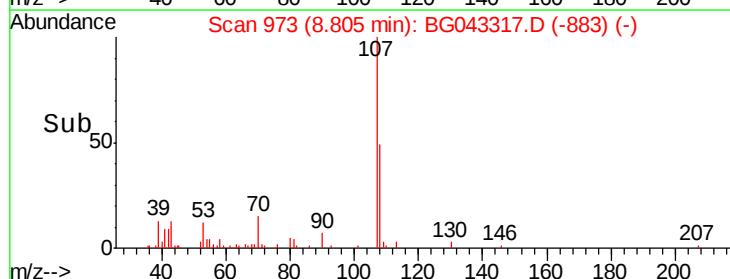
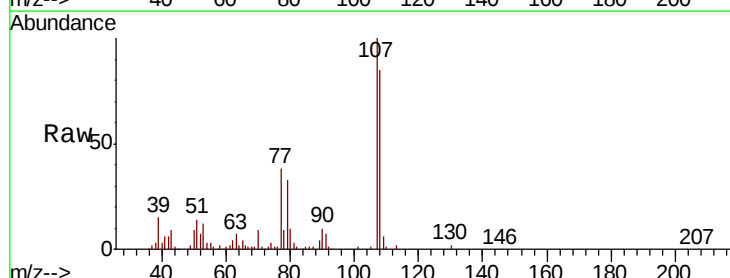
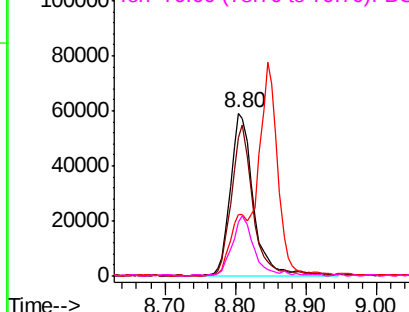
Abundance

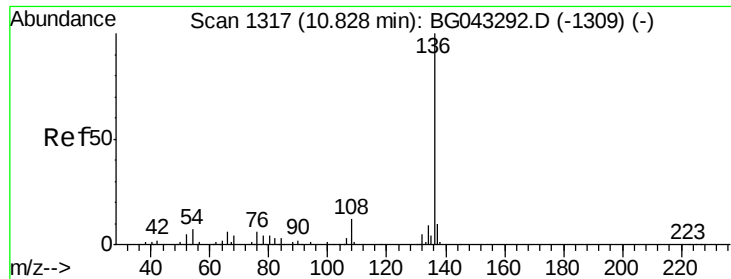
Ion 107.00 (106.70 to 107.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC





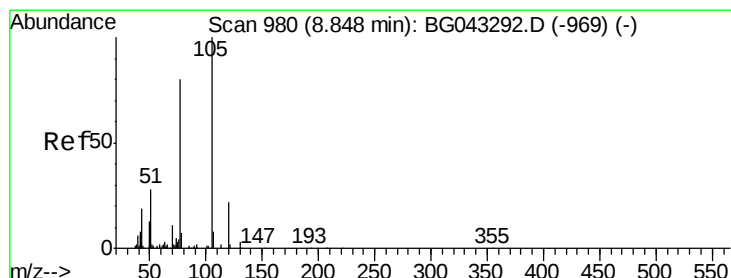
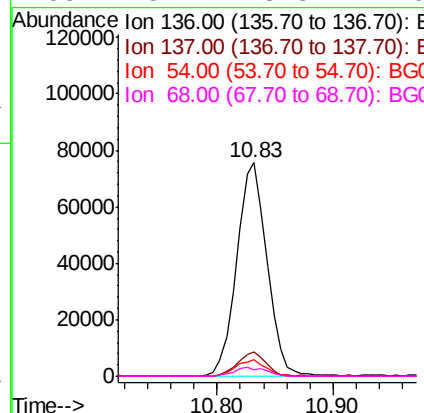
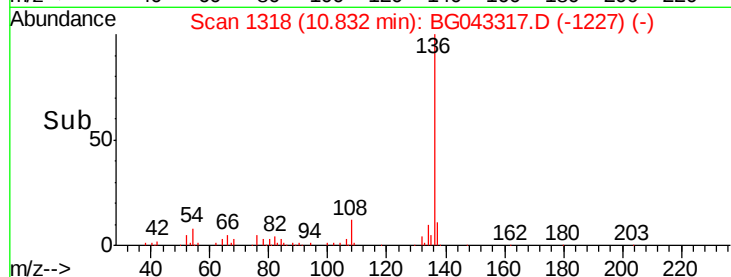
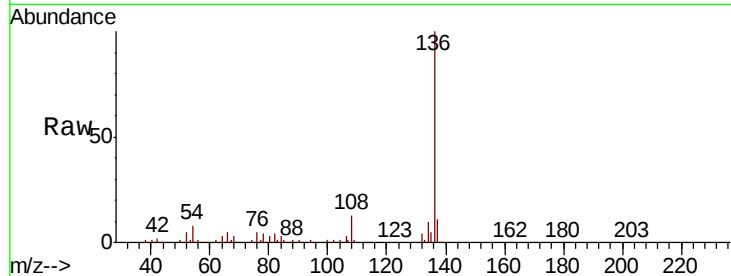
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.83 min Scan# 1318  
Delta R.T. 0.00 min  
Lab File: BG043317.D  
Acq: 23 Oct 2019 20:36

Instrument :  
BNA\_G  
ClientSampleId :  
BU-03-102119MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 136     | 100   | 136910 |       |       |
| 137     | 11.3  | 8.2    | 12.2  |       |
| 54      | 7.7   | 5.4    | 8.2   |       |
| 68      | 3.1   | 3.3    | 4.9   |       |

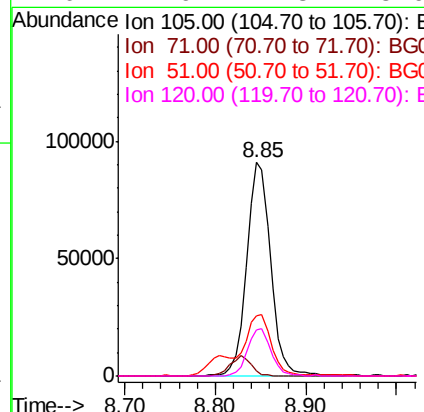
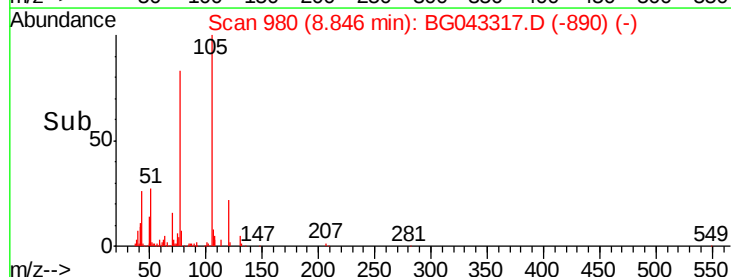
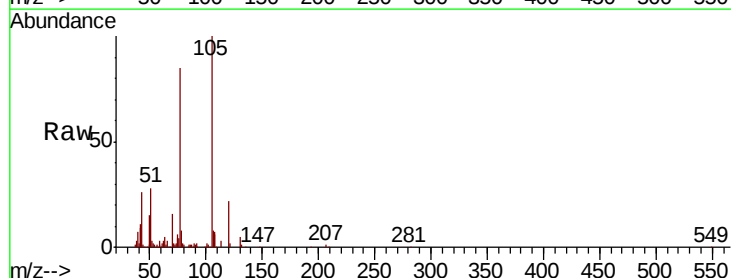
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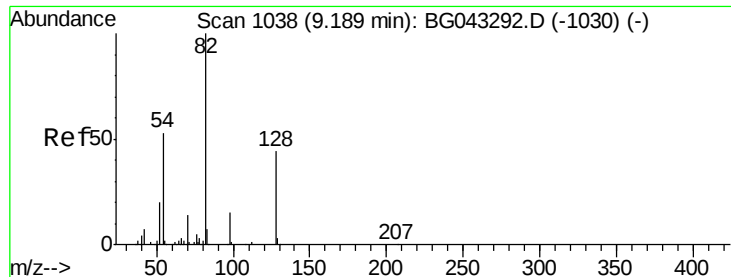
mohammad  
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#22  
Acetophenone  
Concen: 47.796 ng  
RT: 8.85 min Scan# 980  
Delta R.T. -0.00 min  
Lab File: BG043317.D  
Acq: 23 Oct 2019 20:36

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 167578 |       |       |
| 71      | 2.5   | 1.5    | 2.3   |       |
| 51      | 28.3  | 23.9   | 35.9  |       |
| 120     | 21.9  | 17.3   | 25.9  |       |





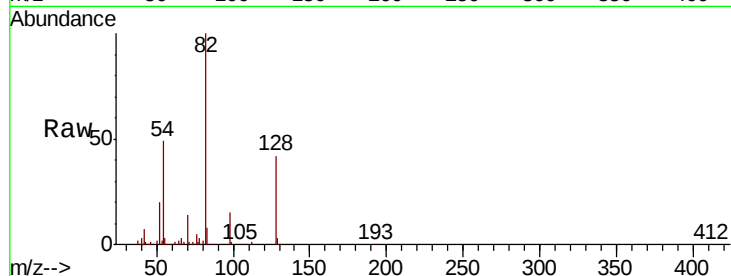
#23  
Nitrobenzene-d5  
Concen: 94.710 ng  
RT: 9.19 min Scan# 1038  
Delta R.T. -0.00 min  
Lab File: BG043317.D  
Acq: 23 Oct 2019 20:36

Instrument :  
BNA\_G  
ClientSampleId :  
BU-03-102119MSD

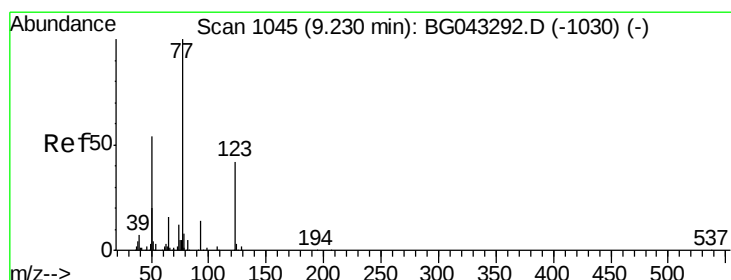
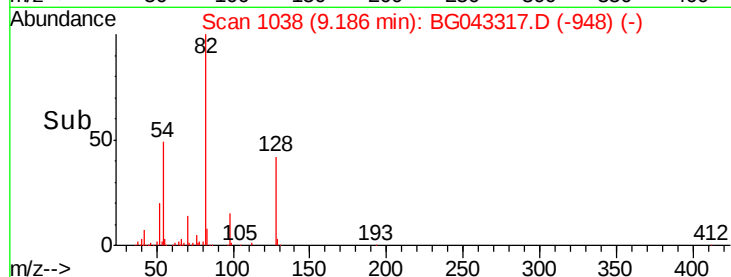
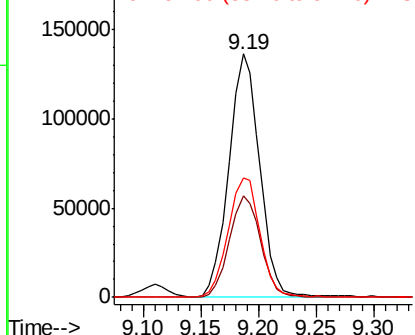
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 41.7  | 35.3  | 52.9  |
| 54      | 49.3  | 42.3  | 63.5  |

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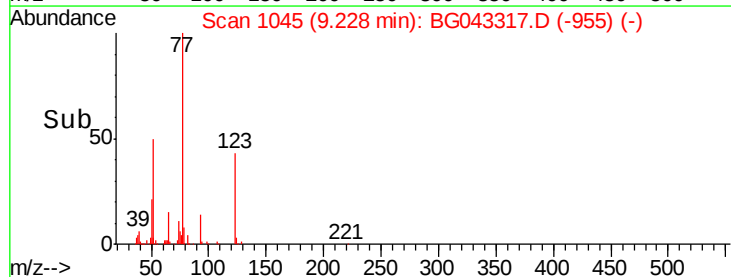
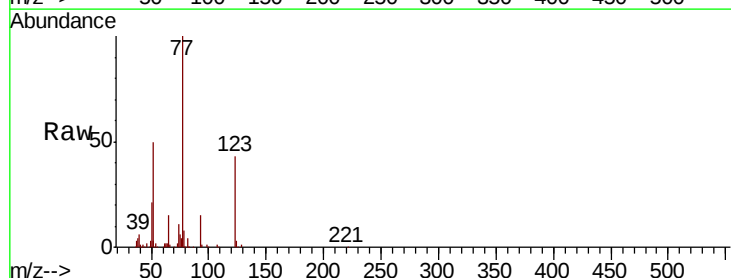
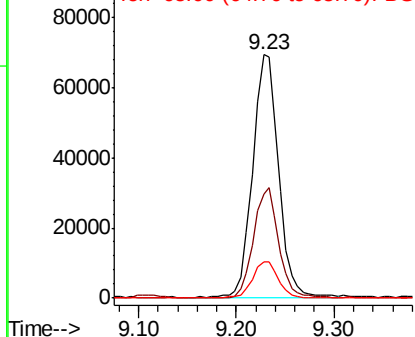
Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 128.00 (127.70 to 128.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC

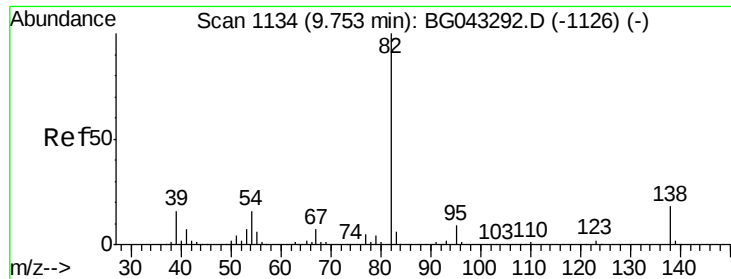


#24  
Nitrobenzene  
Concen: 51.901 ng  
RT: 9.23 min Scan# 1045  
Delta R.T. -0.00 min  
Lab File: BG043317.D  
Acq: 23 Oct 2019 20:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 43.0  | 33.8  | 50.8  |
| 65      | 15.1  | 13.0  | 19.4  |

Abundance Ion 77.00 (76.70 to 77.70): BGC  
Ion 123.00 (122.70 to 123.70): BGC  
Ion 65.00 (64.70 to 65.70): BGC





#25

Isophorone

Concen: 52.613 ng

RT: 9.75 min Scan# 1134

Delta R.T. -0.00 min

Lab File: BG043317.D

Acq: 23 Oct 2019 20:36

Instrument :

BNA\_G

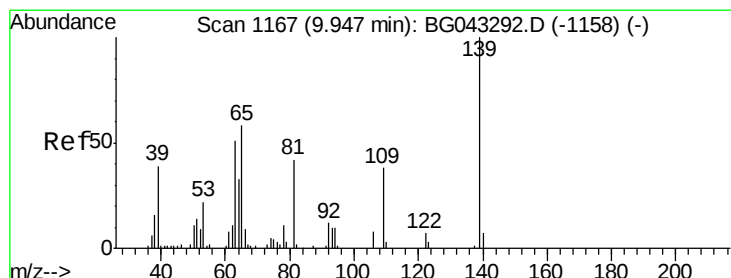
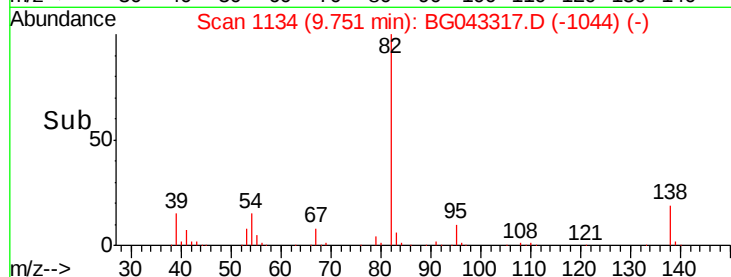
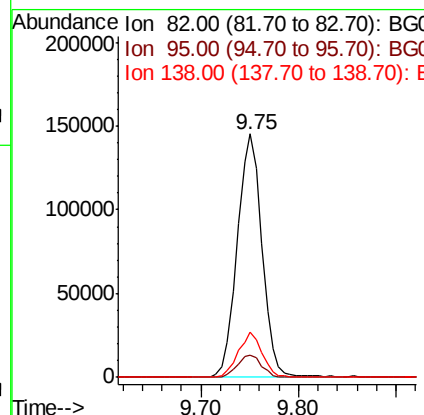
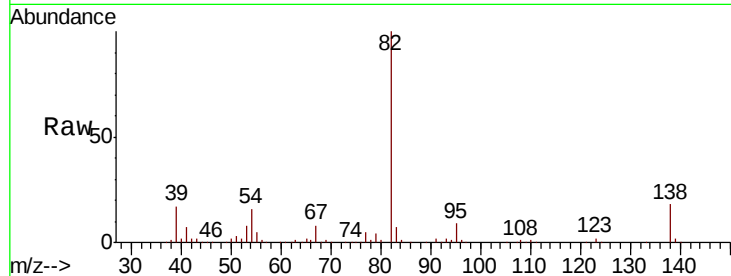
ClientSampleId :

BU-03-102119MSD

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 82   | Resp: | 255447 |
| Ion Ratio |      | Lower | Upper  |
| 82        | 100  |       |        |
| 95        | 9.3  | 6.9   | 10.3   |
| 138       | 18.5 | 14.2  | 21.2   |

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#26

2-Nitrophenol

Concen: 54.699 ng

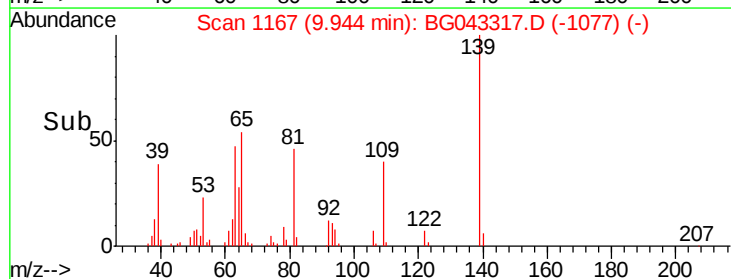
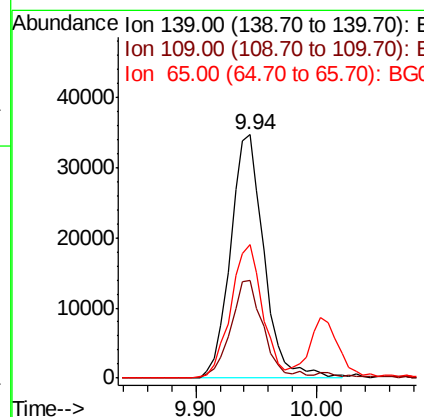
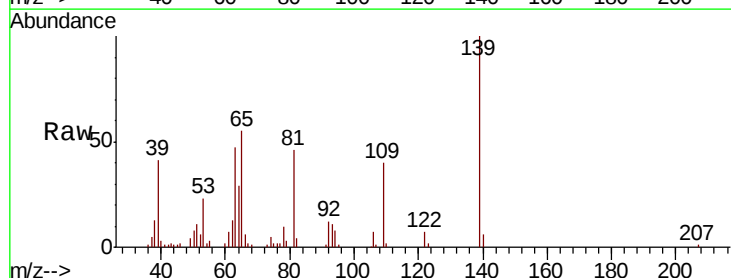
RT: 9.94 min Scan# 1167

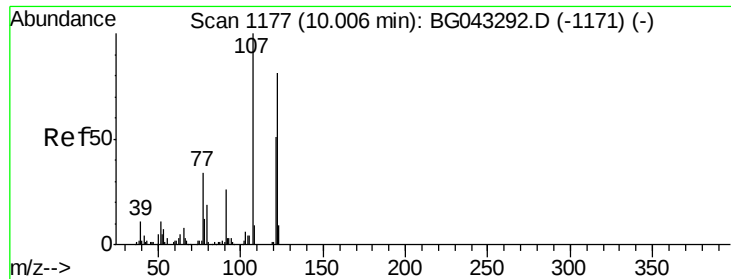
Delta R.T. -0.00 min

Lab File: BG043317.D

Acq: 23 Oct 2019 20:36

|           |      |       |       |
|-----------|------|-------|-------|
| Tgt Ion:  | 139  | Resp: | 66806 |
| Ion Ratio |      | Lower | Upper |
| 139       | 100  |       |       |
| 109       | 40.1 | 30.1  | 45.1  |
| 65        | 54.8 | 46.1  | 69.1  |





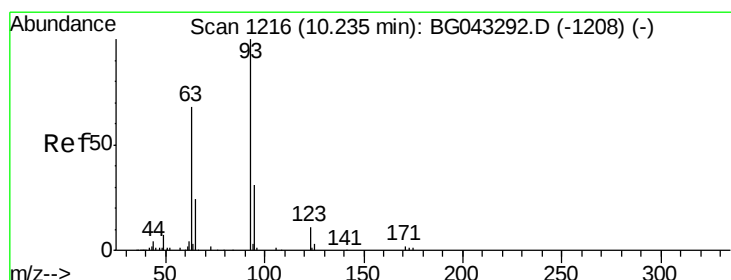
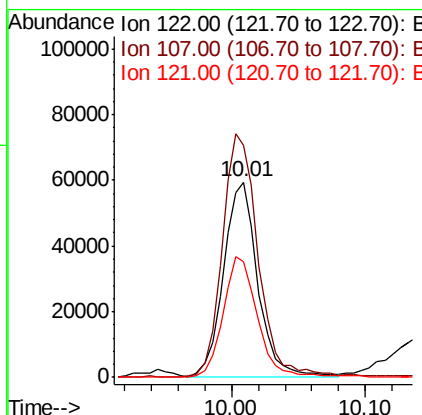
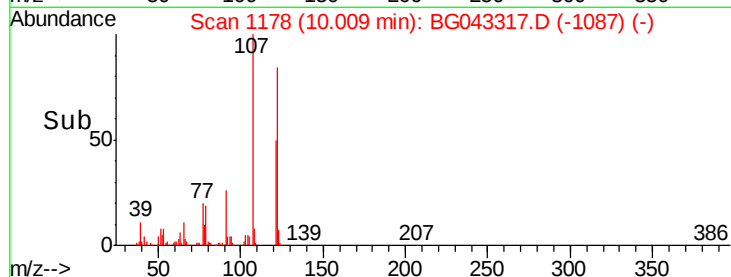
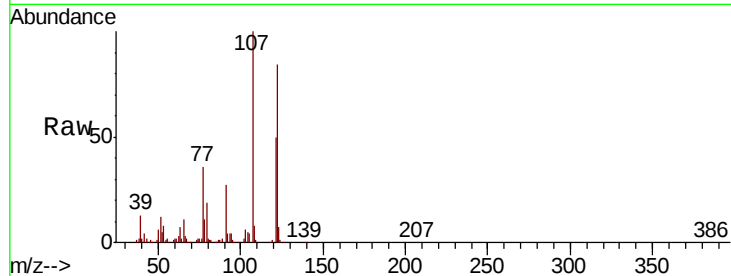
#27  
2,4-Dimethylphenol  
Concen: 60.438 ng  
RT: 10.01 min Scan# 1178  
Delta R.T. 0.00 min  
Lab File: BG043317.D  
Acq: 23 Oct 2019 20:36

Instrument :  
BNA\_G  
ClientSampleId :  
BU-03-102119MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 119.1 | 98.6  | 147.8 |
| 121     | 59.0  | 50.1  | 75.1  |

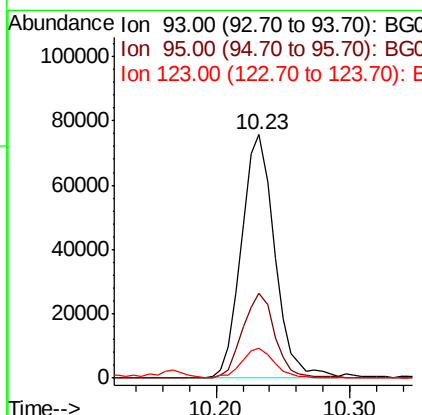
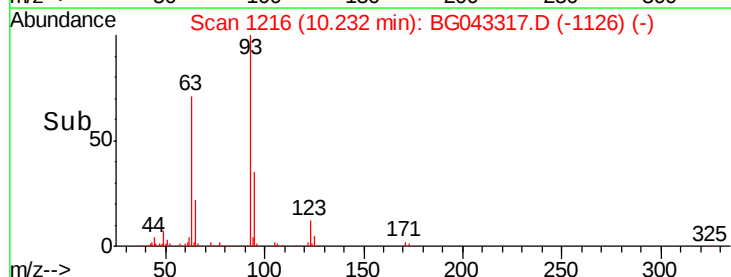
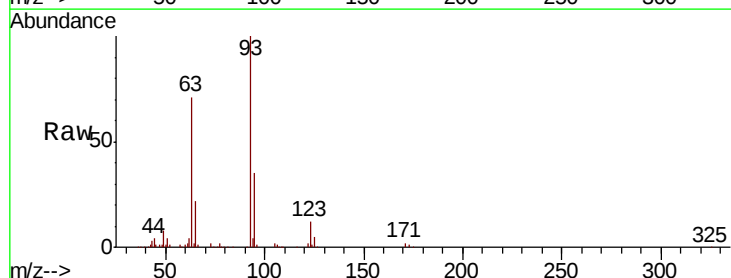
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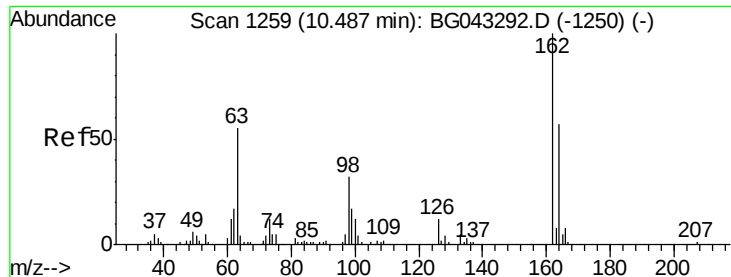
mohammad  
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#28  
bis(2-Chloroethoxy)methane  
Concen: 48.692 ng  
RT: 10.23 min Scan# 1216  
Delta R.T. -0.00 min  
Lab File: BG043317.D  
Acq: 23 Oct 2019 20:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 35.0  | 24.9  | 37.3  |
| 123     | 12.1  | 8.9   | 13.3  |





#29

2,4-Dichlorophenol

Concen: 55.994 ng

RT: 10.49 min Scan# 1260

Delta R.T. 0.00 min

Lab File: BG043317.D

Acq: 23 Oct 2019 20:36

Instrument :

BNA\_G

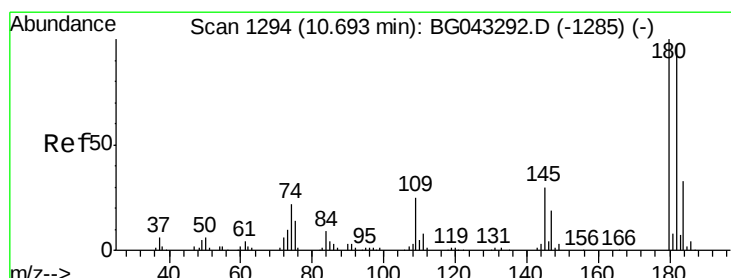
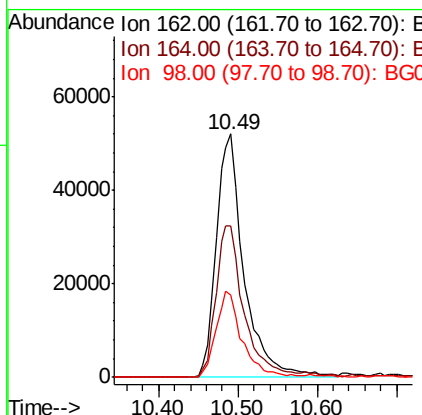
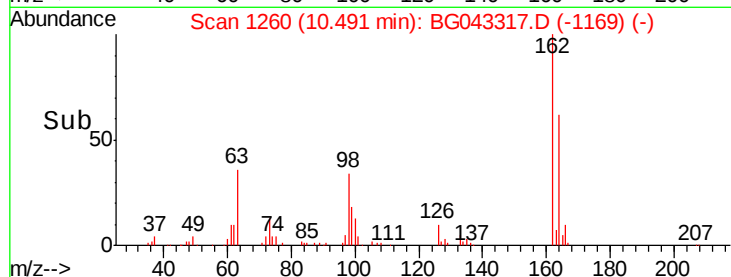
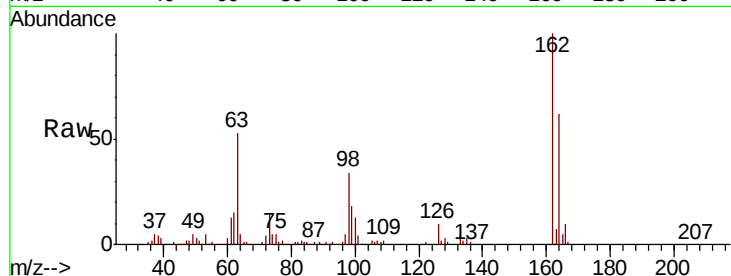
ClientSampleId :

BU-03-102119MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 162   | Resp: | 125588 |
| Ion Ratio | Lower | Upper |        |
| 162       | 100   |       |        |
| 164       | 62.4  | 37.3  | 77.3   |
| 98        | 33.9  | 11.8  | 51.8   |

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#30

1,2,4-Trichlorobenzene

Concen: 47.114 ng

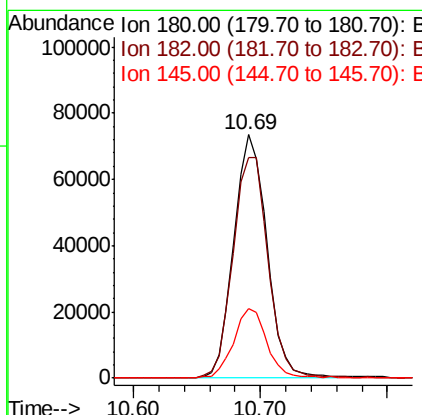
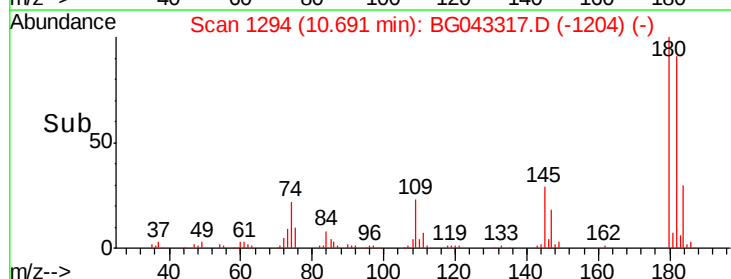
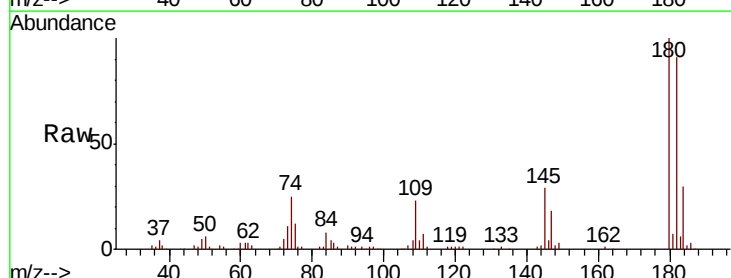
RT: 10.69 min Scan# 1294

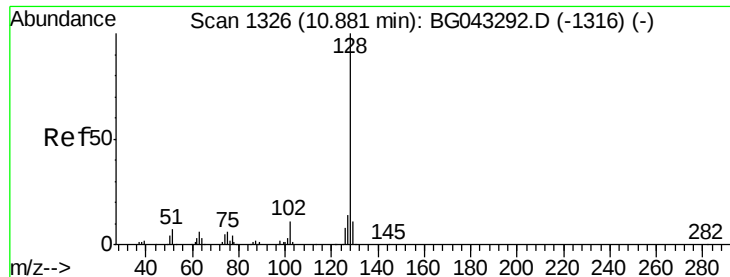
Delta R.T. -0.00 min

Lab File: BG043317.D

Acq: 23 Oct 2019 20:36

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 133183 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 90.7  | 77.8  | 116.8  |
| 145       | 28.7  | 23.6  | 35.4   |





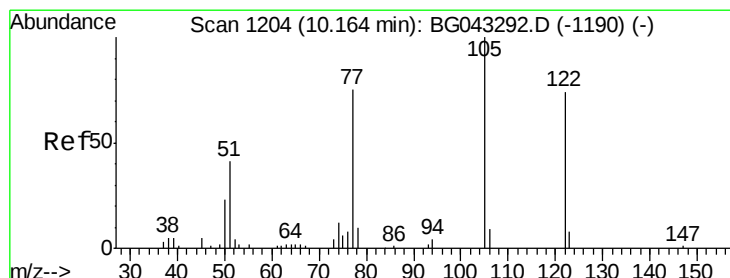
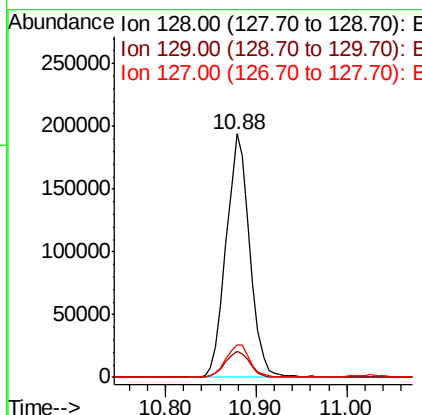
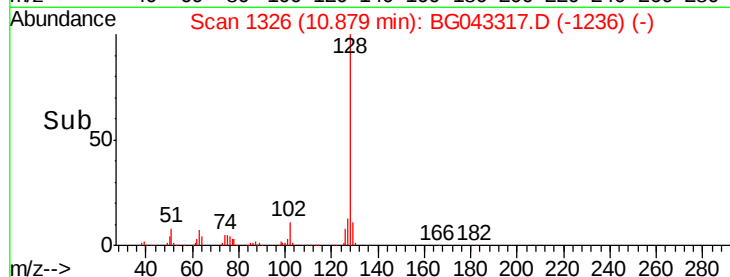
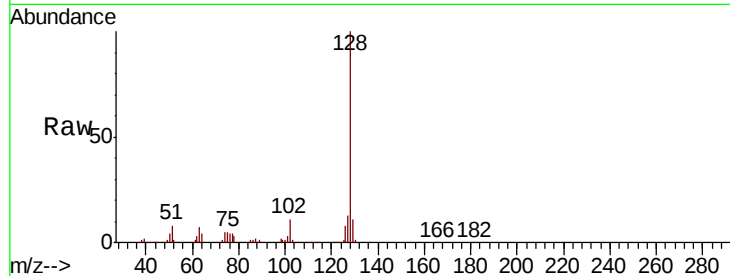
#31  
Naphthalene  
Concen: 50.505 ng  
RT: 10.88 min Scan# 1326  
Delta R.T. -0.00 min  
Lab File: BG043317.D  
Acq: 23 Oct 2019 20:36

Instrument :  
BNA\_G  
ClientSampleId :  
BU-03-102119MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 350983 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 129       | 10.9  | 8.6   | 12.8   |
| 127       | 13.1  | 11.5  | 17.3   |

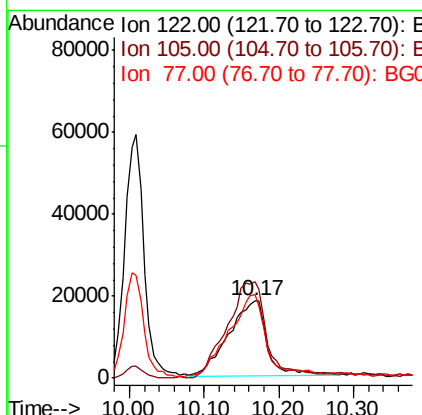
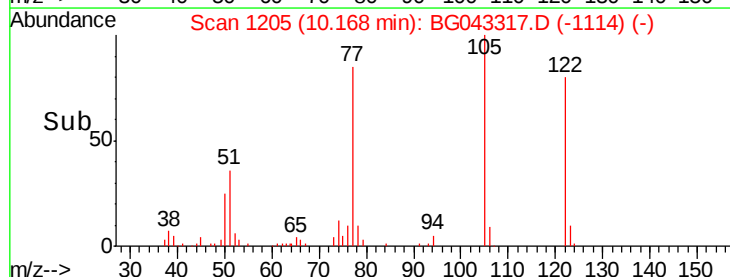
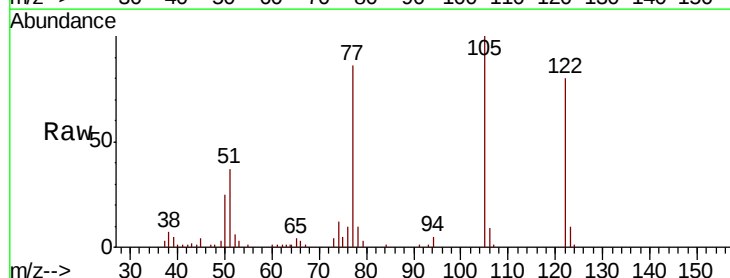
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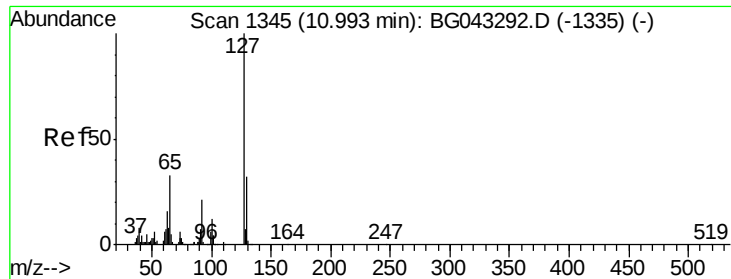
mohammad  
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#32  
Benzoic acid  
Concen: 48.661 ng  
RT: 10.17 min Scan# 1205  
Delta R.T. 0.00 min  
Lab File: BG043317.D  
Acq: 23 Oct 2019 20:36

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 122   | Resp: | 65246 |
| Ion Ratio | Lower | Upper |       |
| 122       | 100   |       |       |
| 105       | 124.6 | 112.4 | 152.4 |
| 77        | 107.4 | 82.7  | 122.7 |





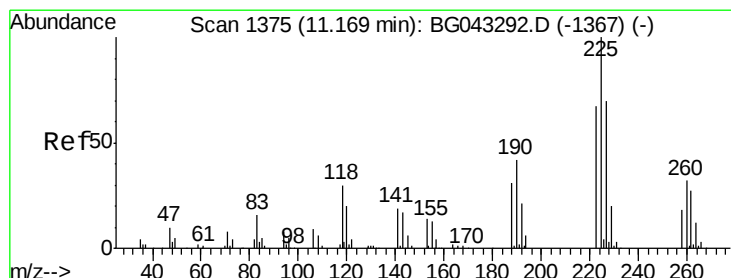
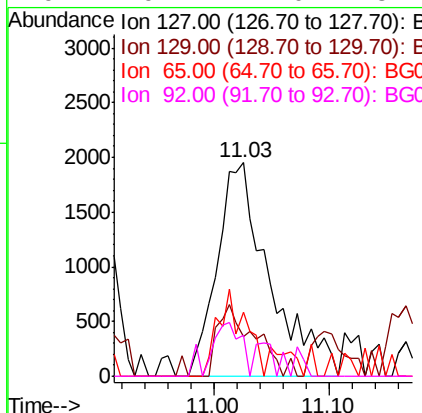
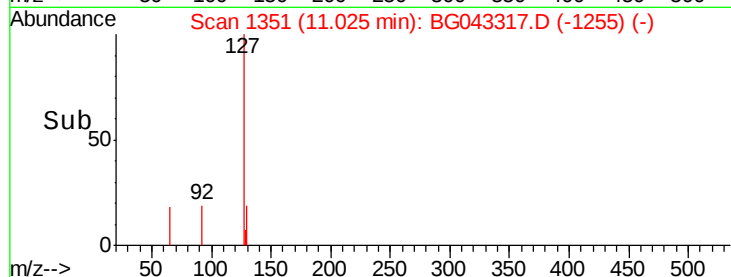
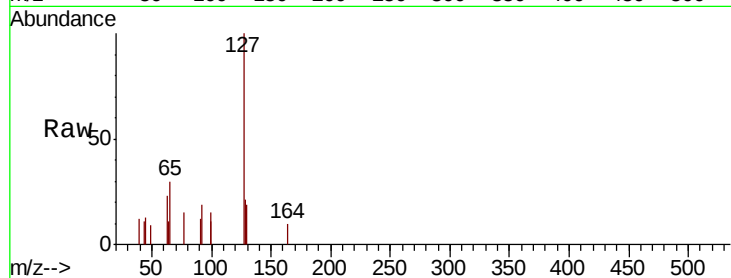
#33  
4-Chloroaniline  
Concen: 2.157 ng  
RT: 11.03 min Scan# 1351  
Delta R.T. 0.03 min  
Lab File: BG043317.D  
Acq: 23 Oct 2019 20:36

Instrument :  
BNA\_G  
ClientSampleId :  
BU-03-102119MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 127     | 100   |       |       |
| 129     | 18.8  | 25.8  | 38.8# |
| 65      | 29.7  | 26.2  | 39.2  |
| 92      | 19.1  | 17.0  | 25.4  |

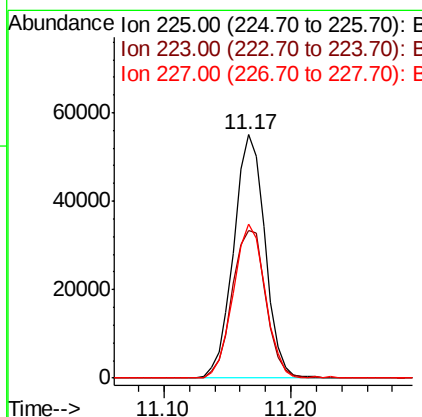
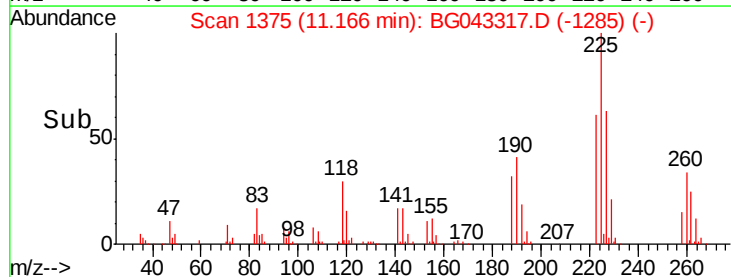
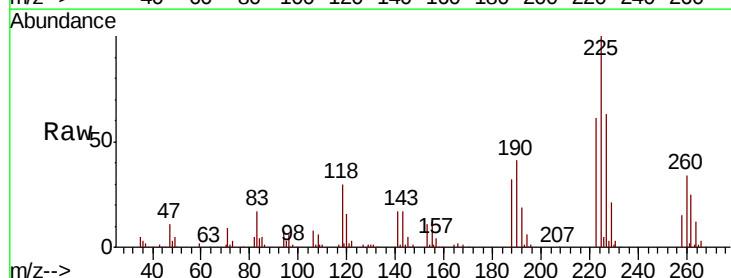
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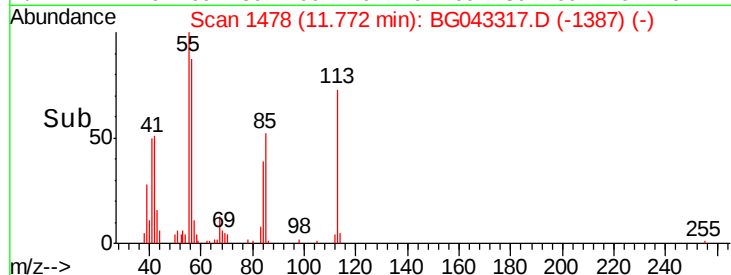
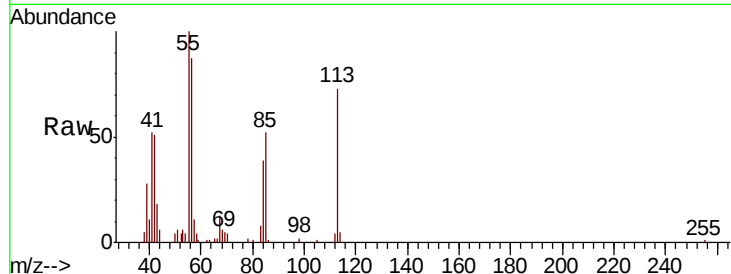
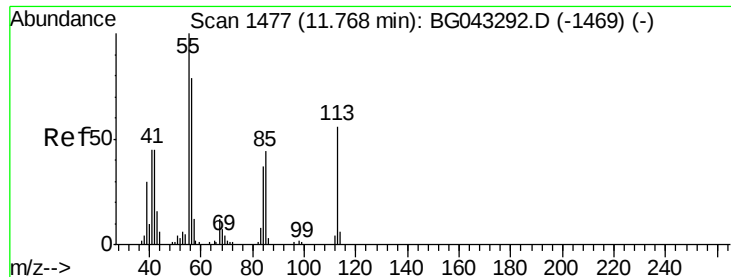
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#34  
Hexachlorobutadiene  
Concen: 45.018 ng  
RT: 11.17 min Scan# 1375  
Delta R.T. -0.00 min  
Lab File: BG043317.D  
Acq: 23 Oct 2019 20:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 60.7  | 53.2  | 79.8  |
| 227     | 63.0  | 56.2  | 84.2  |





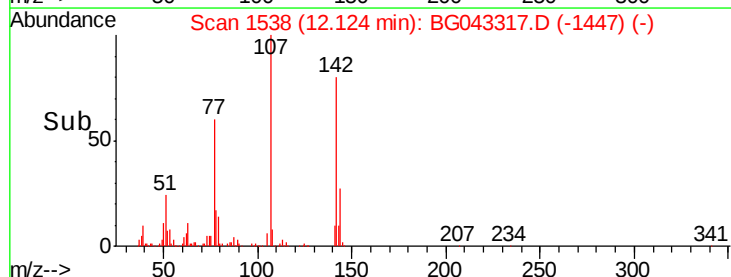
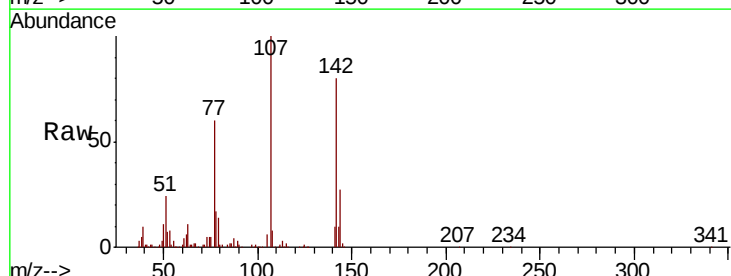
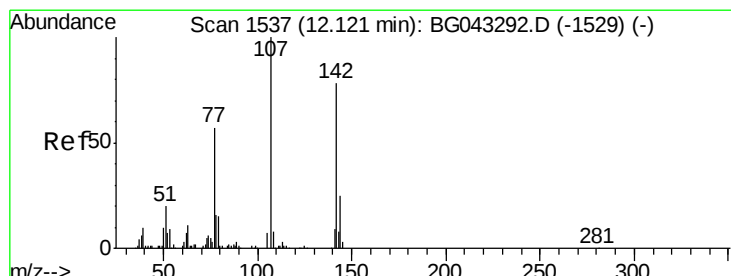
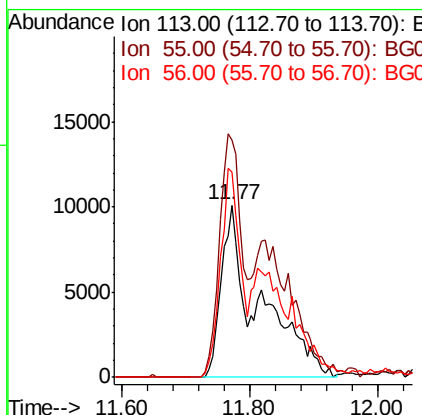
#35  
Caprolactam  
Concen: 53.093 ng/ml  
RT: 11.77 min Scan# 1478  
Delta R.T. 0.00 min  
Lab File: BG043317.D  
Acq: 23 Oct 2019 20:36

Instrument :  
BNA\_G  
ClientSampleId :  
BU-03-102119MSD

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 113     | 100   |       |        |
| 55      | 137.5 | 158.9 | 198.9# |
| 56      | 119.1 | 121.4 | 161.4# |

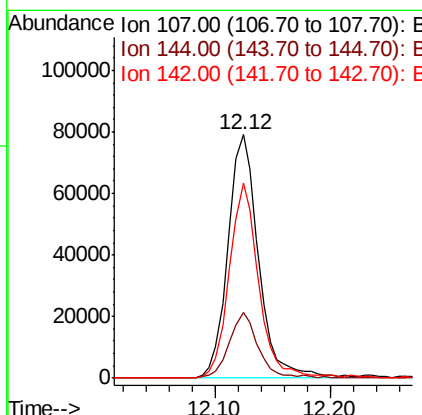
Manual Integrations  
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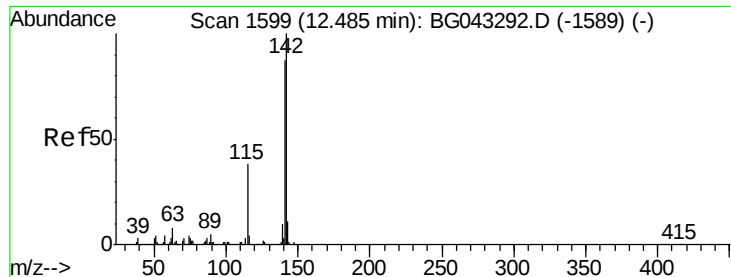
mohammad  
10/24/2019 2:11:44 PM



#36  
4-Chloro-3-methylphenol  
Concen: 59.257 ng/ml  
RT: 12.12 min Scan# 1538  
Delta R.T. 0.00 min  
Lab File: BG043317.D  
Acq: 23 Oct 2019 20:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 144     | 27.1  | 19.9  | 29.9  |
| 142     | 79.9  | 62.1  | 93.1  |





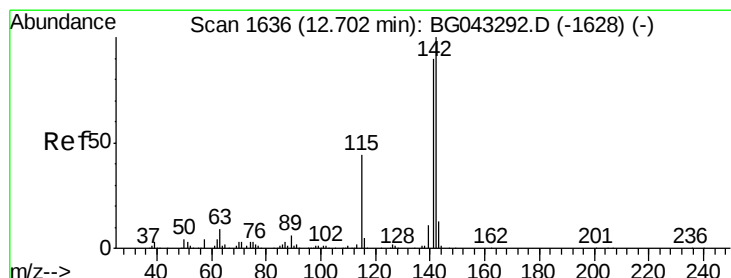
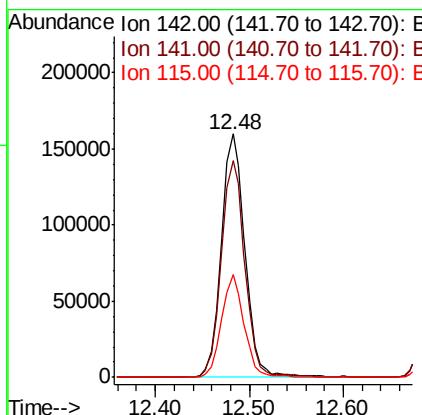
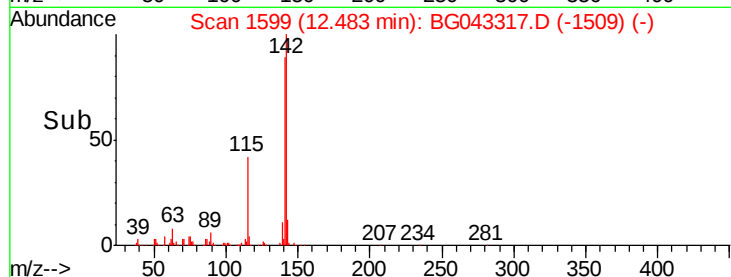
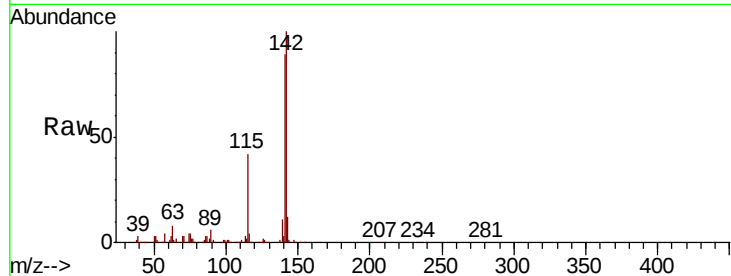
#37  
2-Methylnaphthalene  
Concen: 52.363 ng  
RT: 12.48 min Scan# 1599  
Delta R.T. -0.00 min  
Lab File: BG043317.D  
Acq: 23 Oct 2019 20:36

Instrument :  
BNA\_G  
ClientSampleId :  
BU-03-102119MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 88.8  | 69.7  | 104.5 |
| 115     | 42.3  | 30.6  | 46.0  |

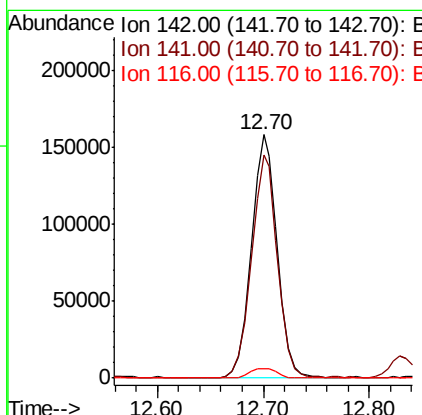
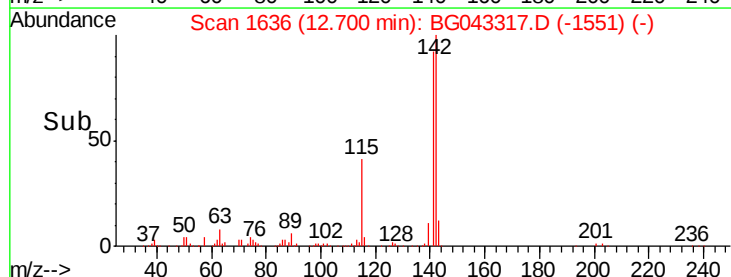
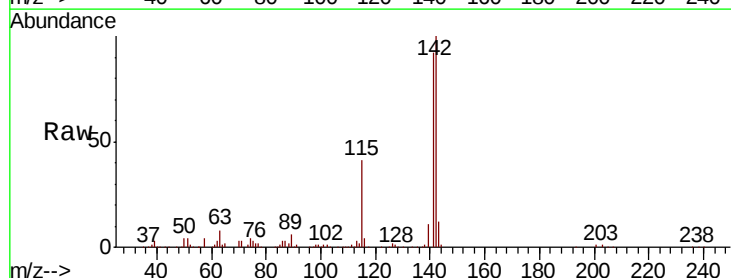
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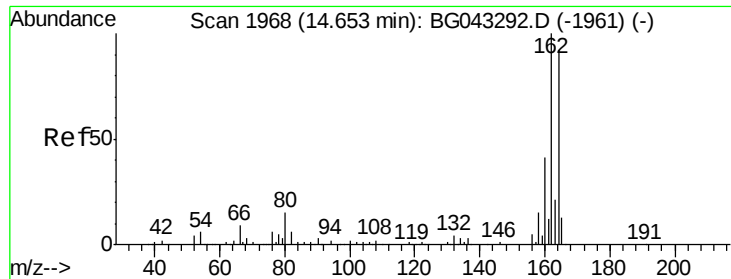
mohammad  
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#38  
1-Methylnaphthalene  
Concen: 52.514 ng  
RT: 12.70 min Scan# 1636  
Delta R.T. -0.00 min  
Lab File: BG043317.D  
Acq: 23 Oct 2019 20:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 91.6  | 72.3  | 108.5 |
| 116     | 3.8   | 3.8   | 5.6   |





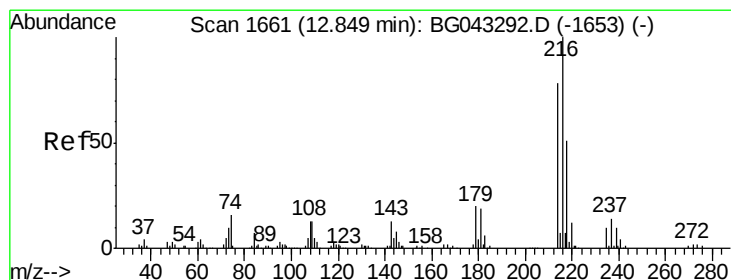
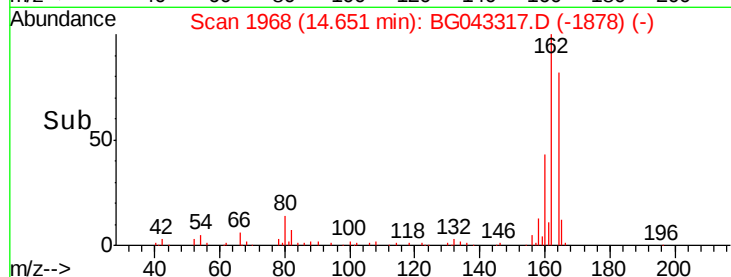
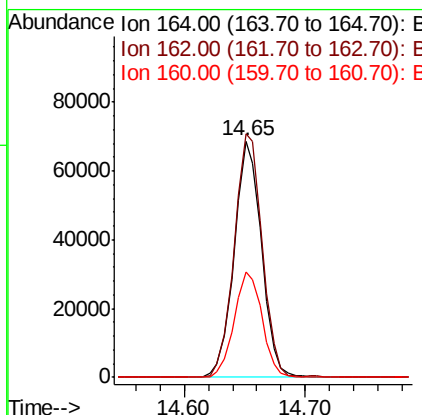
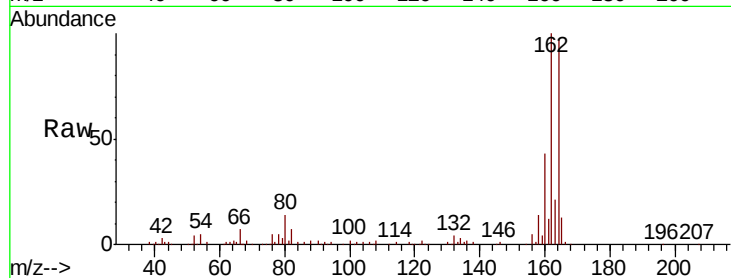
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.65 min Scan# 1968  
Delta R.T. -0.00 min  
Lab File: BG043317.D  
Acq: 23 Oct 2019 20:36

Instrument :  
BNA\_G  
ClientSampleId :  
BU-03-102119MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 103.1 | 87.0  | 130.4 |
| 160     | 44.7  | 35.5  | 53.3  |

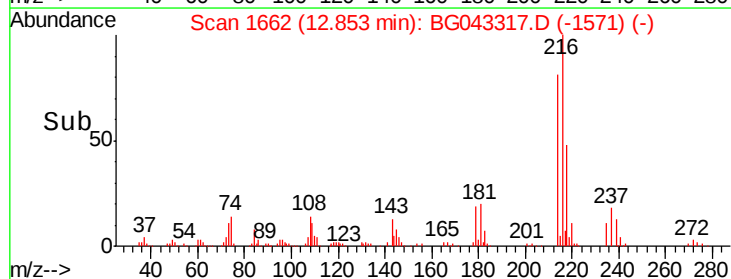
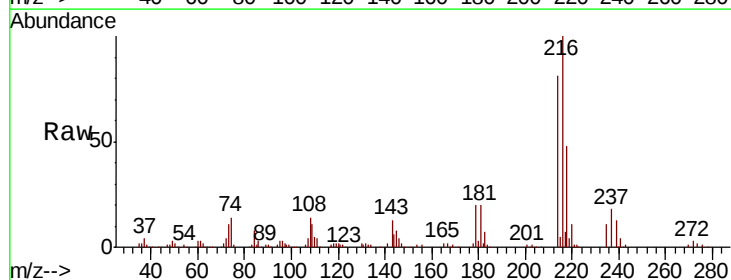
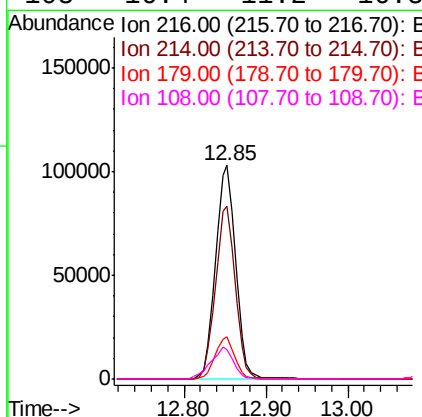
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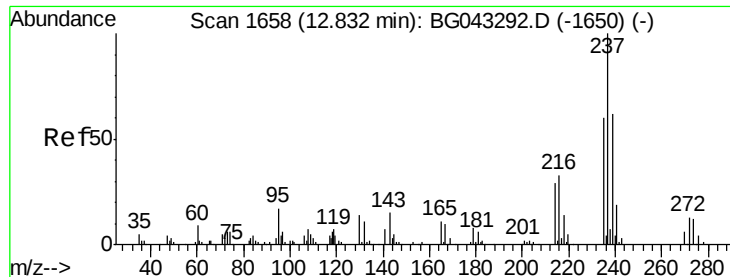
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#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 44.264 ng  
RT: 12.85 min Scan# 1662  
Delta R.T. 0.00 min  
Lab File: BG043317.D  
Acq: 23 Oct 2019 20:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 216     | 100   |       |       |
| 214     | 79.5  | 63.5  | 95.3  |
| 179     | 19.0  | 16.2  | 24.2  |
| 108     | 16.4  | 11.2  | 16.8  |





#41

Hexachlorocyclopentadiene

Concen: 109.021 ng

RT: 12.83 min Scan# 1658

Delta R.T. -0.00 min

Lab File: BG043317.D

Acq: 23 Oct 2019 20:36

Instrument :

BNA\_G

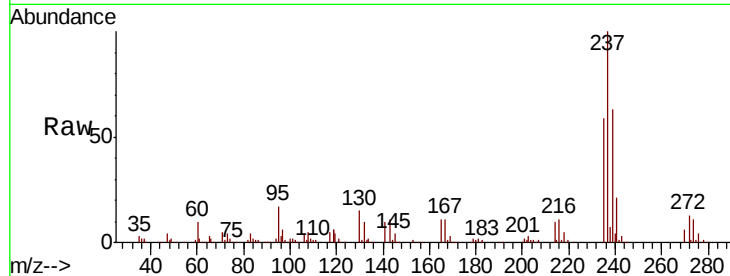
ClientSampleId :

BU-03-102119MSD

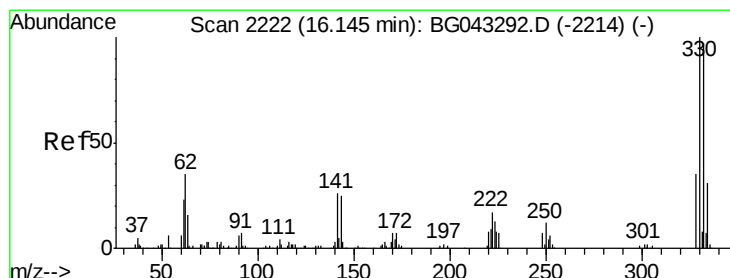
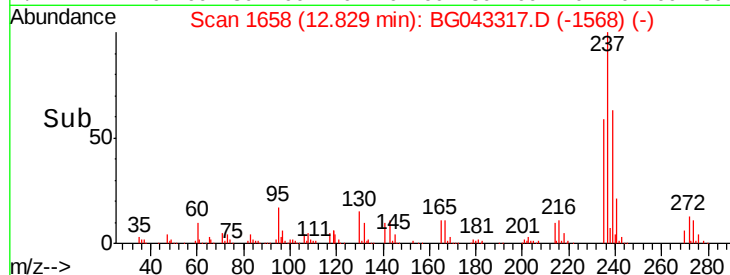
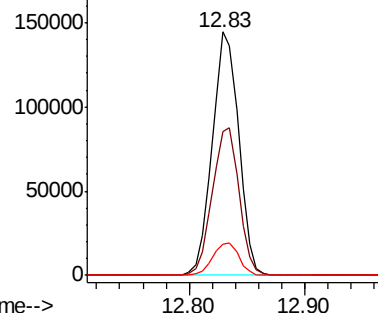
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 237   | Resp: | 229163 |
| Ion Ratio | Lower | Upper |        |
| 237       | 100   |       |        |
| 235       | 59.3  | 40.3  | 80.3   |
| 272       | 12.7  | 0.0   | 32.9   |

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



#42

2,4,6-Tribromophenol

Concen: 145.674 ng

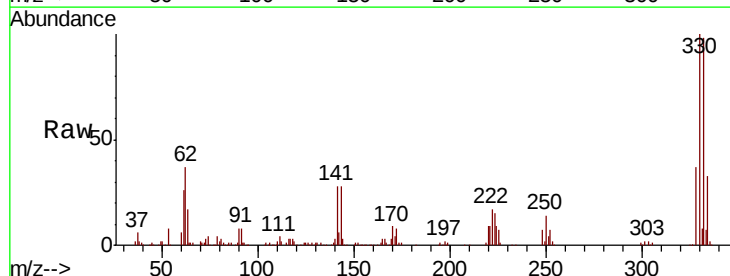
RT: 16.14 min Scan# 2222

Delta R.T. -0.00 min

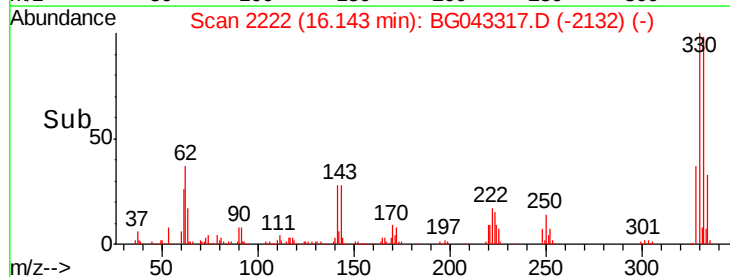
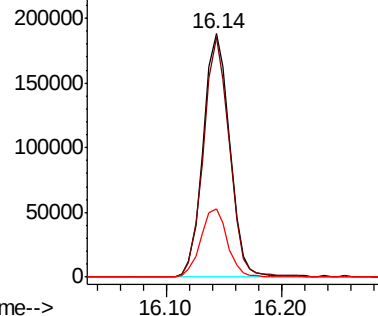
Lab File: BG043317.D

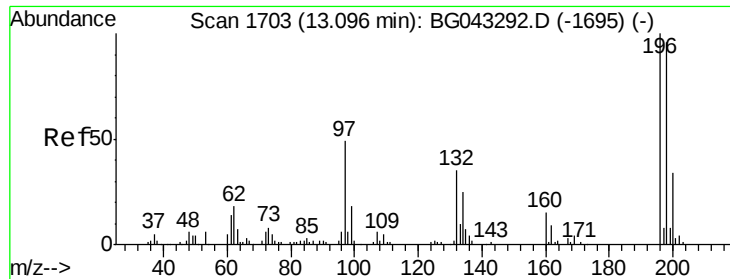
Acq: 23 Oct 2019 20:36

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 330   | Resp: | 299739 |
| Ion Ratio | Lower | Upper |        |
| 330       | 100   |       |        |
| 332       | 96.1  | 76.4  | 114.6  |
| 141       | 28.2  | 21.4  | 32.0   |



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





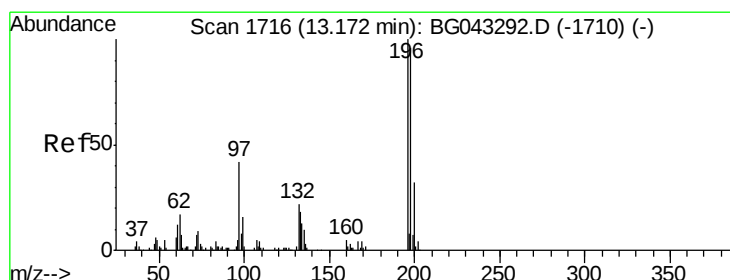
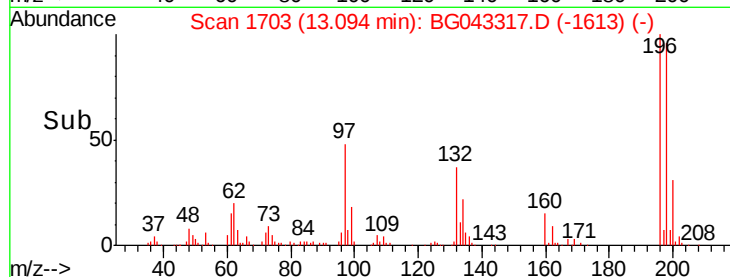
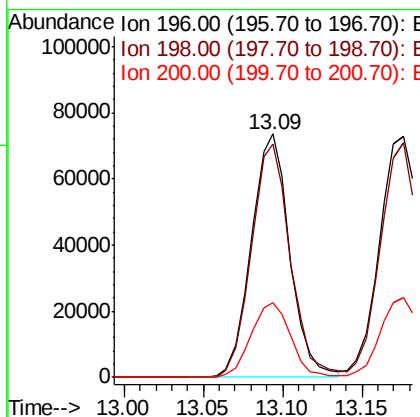
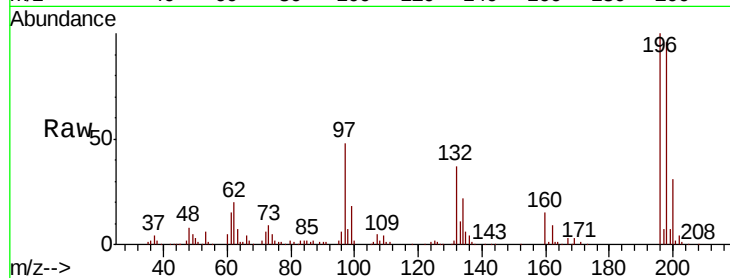
#43  
 2,4,6-Trichlorophenol  
 Concen: 52.602 ng  
 RT: 13.09 min Scan# 1703  
 Delta R.T. -0.00 min  
 Lab File: BG043317.D  
 Acq: 23 Oct 2019 20:36

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BU-03-102119MSD

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 196     | 100   |            |       |
| 198     | 95.7  | 77.0       | 115.4 |
| 200     | 30.9  | 27.4       | 41.2  |

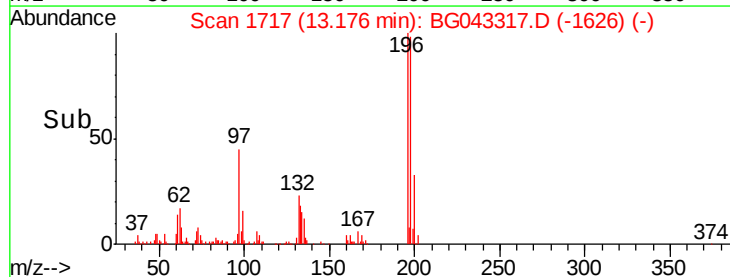
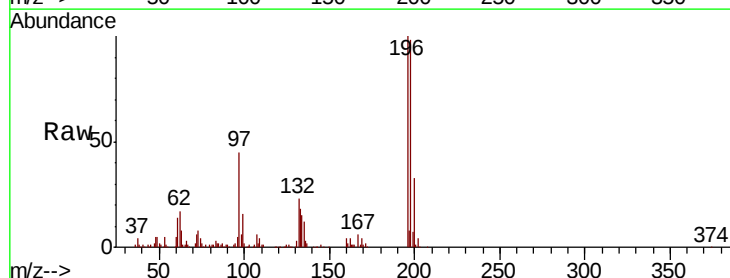
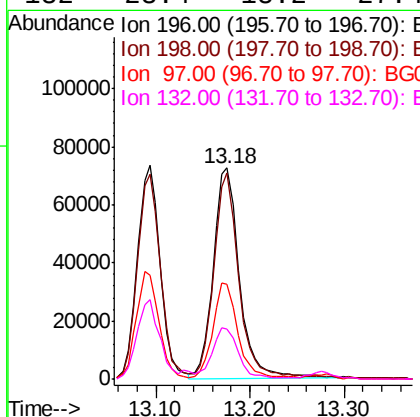
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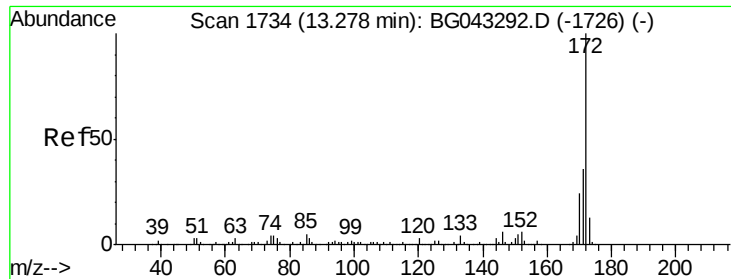
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#44  
 2,4,5-Trichlorophenol  
 Concen: 59.530 ng  
 RT: 13.18 min Scan# 1717  
 Delta R.T. 0.00 min  
 Lab File: BG043317.D  
 Acq: 23 Oct 2019 20:36

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 196     | 100   |            |       |
| 198     | 97.6  | 76.6       | 114.8 |
| 97      | 44.7  | 34.1       | 51.1  |
| 132     | 23.4  | 18.2       | 27.4  |





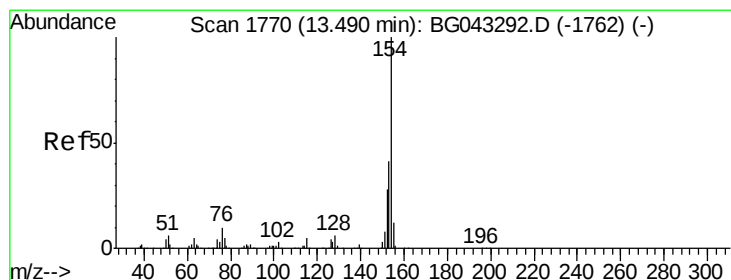
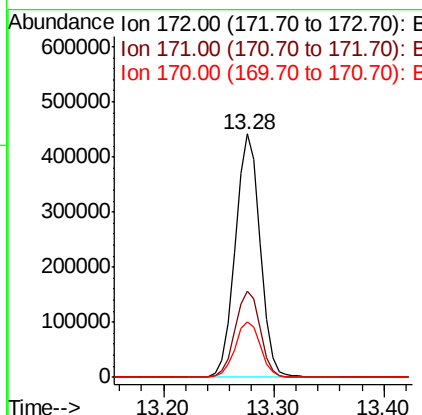
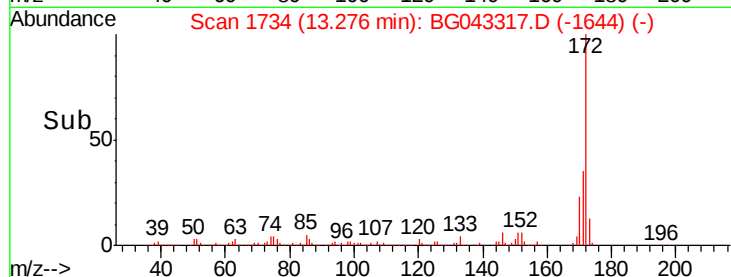
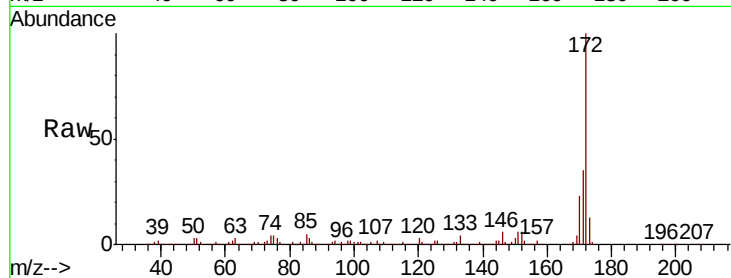
#45  
2-Fluorobiphenyl  
Concen: 89.327 ng  
RT: 13.28 min Scan# 1734  
Delta R.T. -0.00 min  
Lab File: BG043317.D  
Acq: 23 Oct 2019 20:36

Instrument :  
BNA\_G  
ClientSampleId :  
BU-03-102119MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.5  | 28.5  | 42.7  |
| 170     | 22.8  | 18.8  | 28.2  |

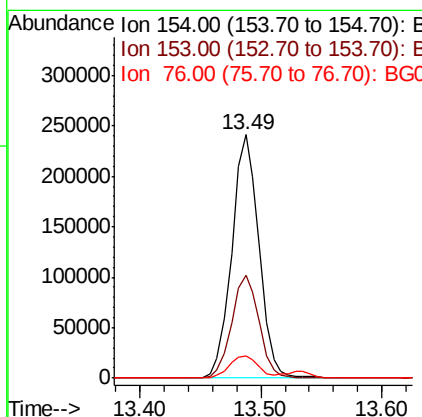
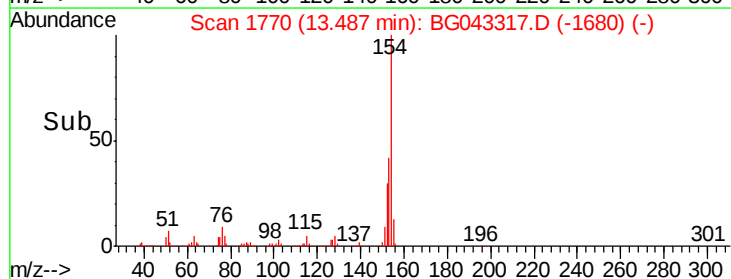
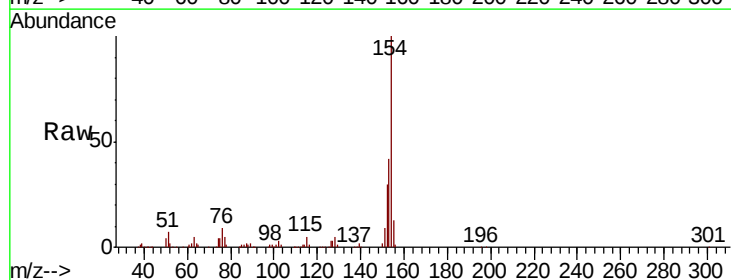
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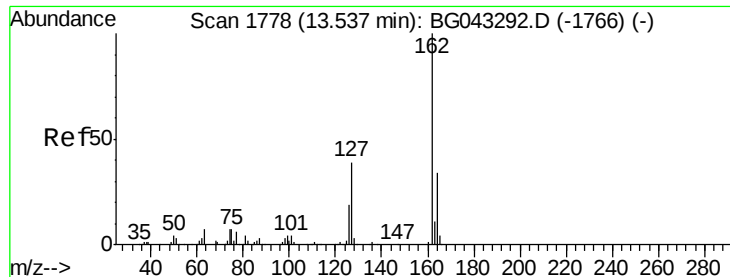
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#46  
1,1'-Biphenyl  
Concen: 46.034 ng  
RT: 13.49 min Scan# 1770  
Delta R.T. -0.00 min  
Lab File: BG043317.D  
Acq: 23 Oct 2019 20:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 42.1  | 21.0  | 61.0  |
| 76      | 8.9   | 0.0   | 29.8  |





#47

2-Chloronaphthalene

Concen: 46.928 ng

RT: 13.53 min Scan# 1777

Delta R.T. -0.01 min

Lab File: BG043317.D

Acq: 23 Oct 2019 20:36

Instrument :

BNA\_G

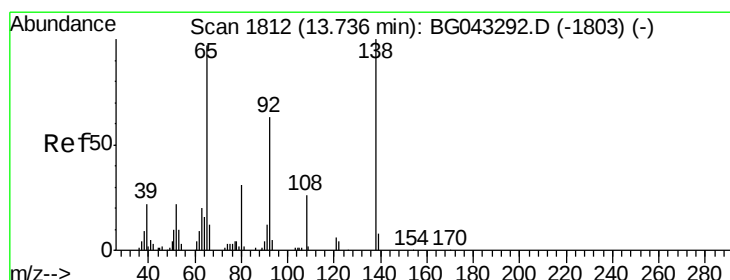
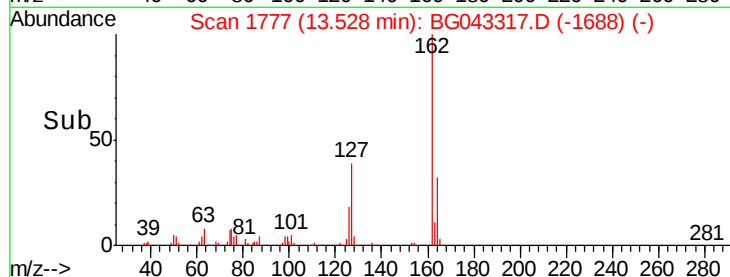
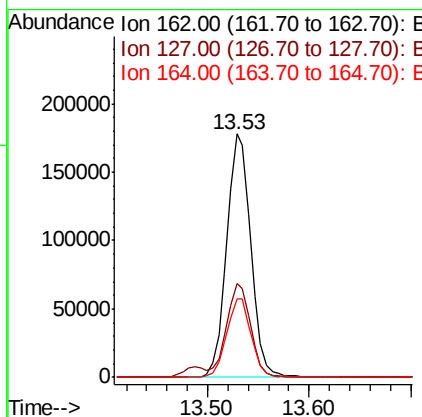
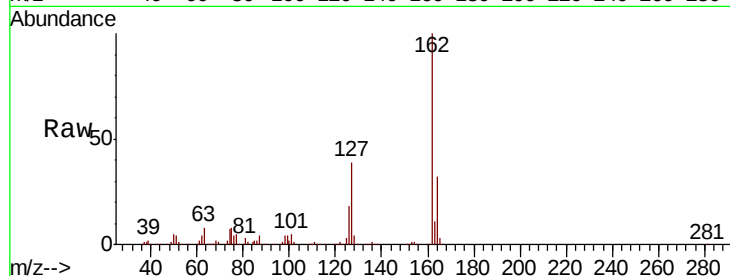
ClientSampleId :

BU-03-102119MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 162   | Resp: | 293701 |
| Ion Ratio | Lower | Upper |        |
| 162       | 100   |       |        |
| 127       | 38.5  | 31.3  | 46.9   |
| 164       | 32.0  | 26.8  | 40.2   |

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#48

2-Nitroaniline

Concen: 51.002 ng

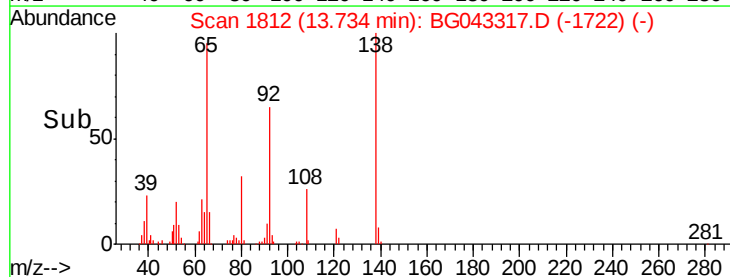
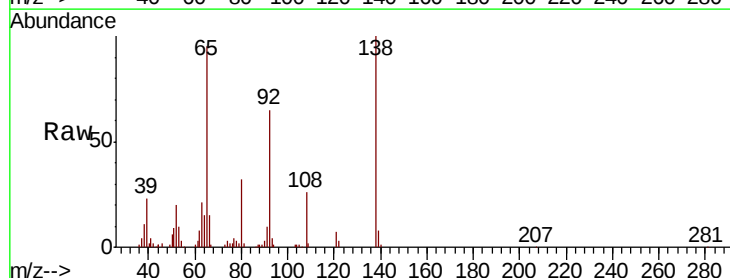
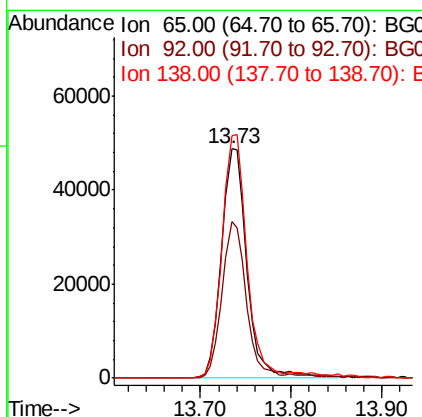
RT: 13.73 min Scan# 1812

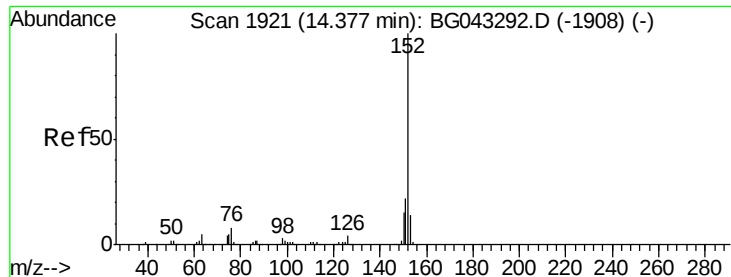
Delta R.T. -0.00 min

Lab File: BG043317.D

Acq: 23 Oct 2019 20:36

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 65    | Resp: | 95402 |
| Ion Ratio | Lower | Upper |       |
| 65        | 100   |       |       |
| 92        | 68.5  | 52.6  | 79.0  |
| 138       | 105.6 | 82.9  | 124.3 |





#49

Acenaphthylene

Concen: 51.327 ng

RT: 14.37 min Scan# 1921

Delta R.T. -0.00 min

Lab File: BG043317.D

Acq: 23 Oct 2019 20:36

Instrument :

BNA\_G

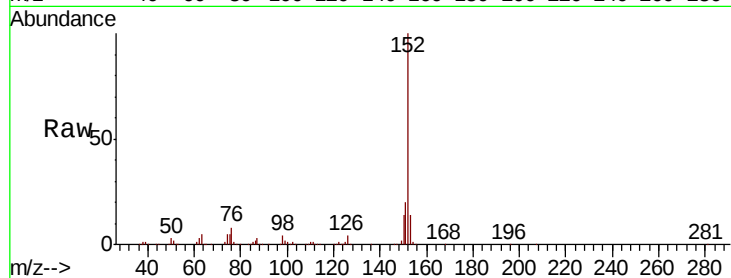
ClientSampleId :

BU-03-102119MSD

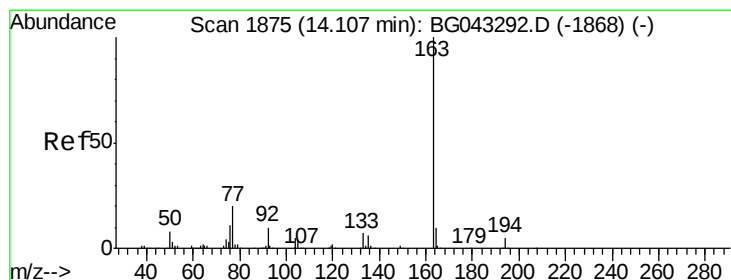
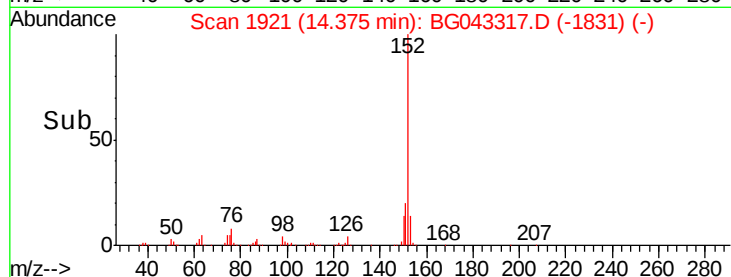
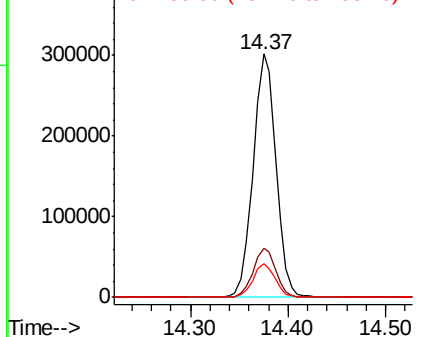
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 152   | Resp: | 499953 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 151       | 20.2  | 17.2  | 25.8   |
| 153       | 13.9  | 11.0  | 16.6   |

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Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 151.00 (150.70 to 151.70): E  
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 51.955 ng

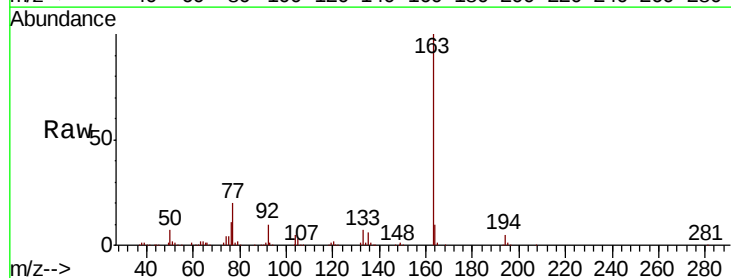
RT: 14.11 min Scan# 1876

Delta R.T. 0.00 min

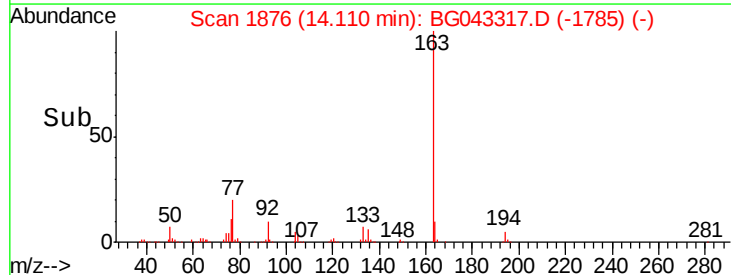
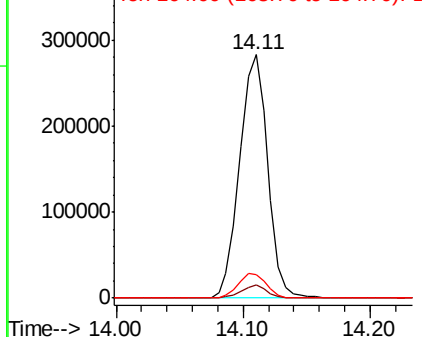
Lab File: BG043317.D

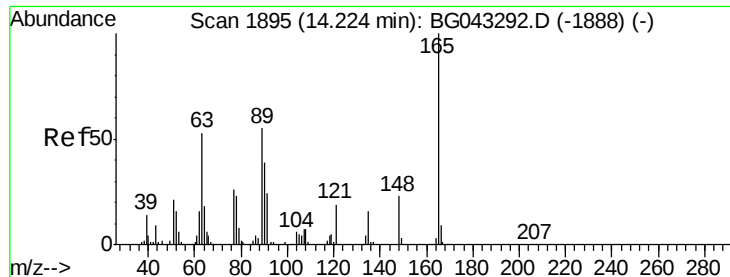
Acq: 23 Oct 2019 20:36

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 163   | Resp: | 435124 |
| Ion Ratio | Lower | Upper |        |
| 163       | 100   |       |        |
| 194       | 5.2   | 3.7   | 5.5    |
| 164       | 9.9   | 8.1   | 12.1   |



Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E





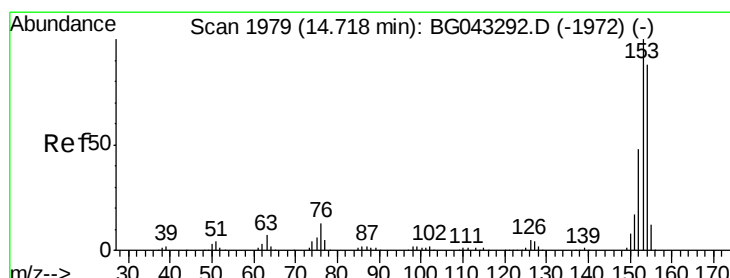
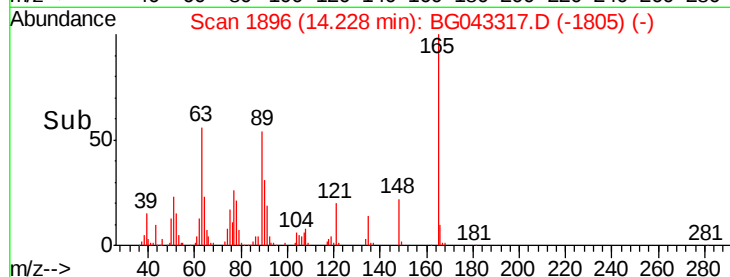
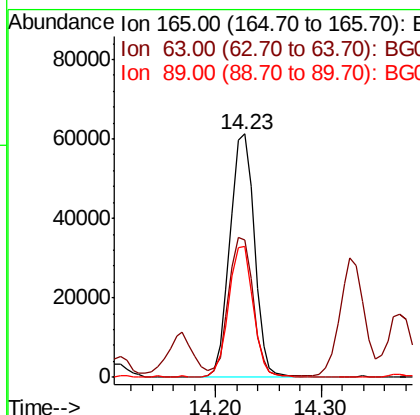
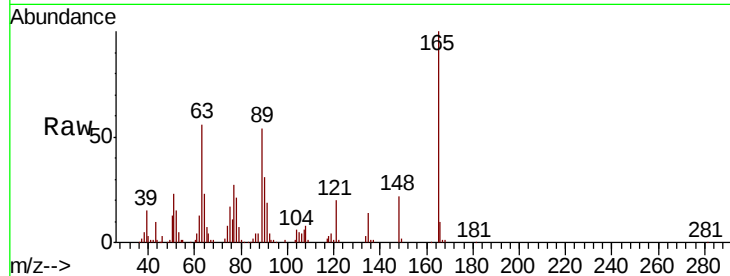
#51  
2,6-Dinitrotoluene  
Concen: 54.214 ng  
RT: 14.23 min Scan# 1896  
Delta R.T. 0.00 min  
Lab File: BG043317.D  
Acq: 23 Oct 2019 20:36

Instrument :  
BNA\_G  
ClientSampleId :  
BU-03-102119MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 56.5  | 47.1  | 70.7  |
| 89      | 53.6  | 43.7  | 65.5  |

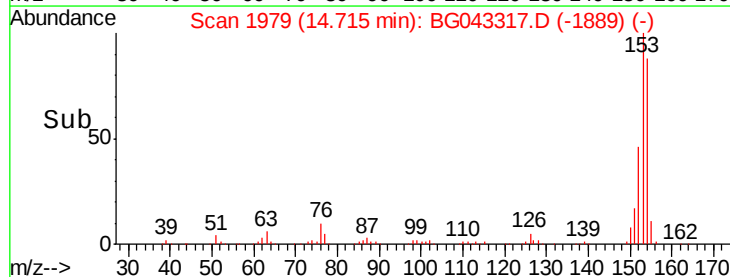
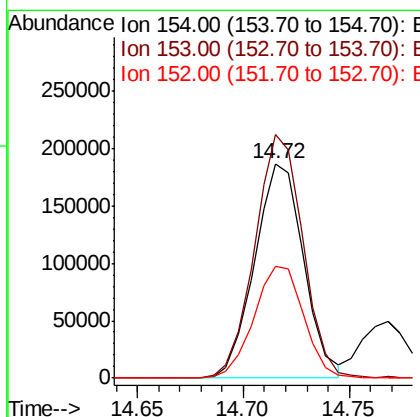
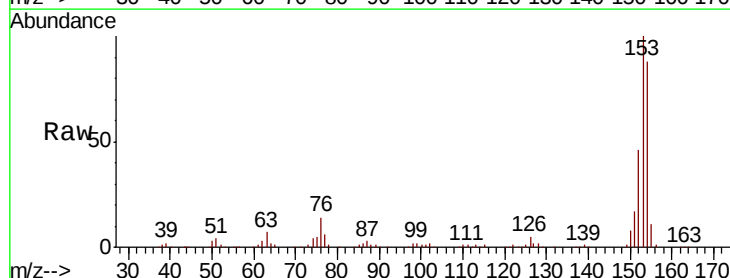
Manual Integrations  
APPROVED

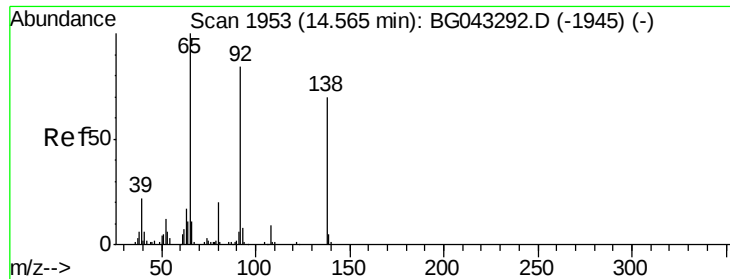
mohammad  
10/24/2019 2:11:44 PM



#52  
Acenaphthene  
Concen: 50.621 ng  
RT: 14.72 min Scan# 1979  
Delta R.T. -0.00 min  
Lab File: BG043317.D  
Acq: 23 Oct 2019 20:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 113.6 | 90.9  | 136.3 |
| 152     | 52.4  | 43.9  | 65.9  |





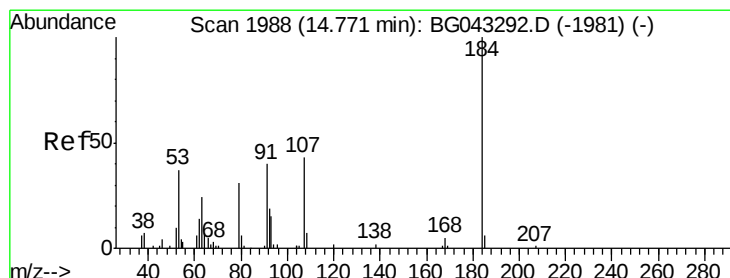
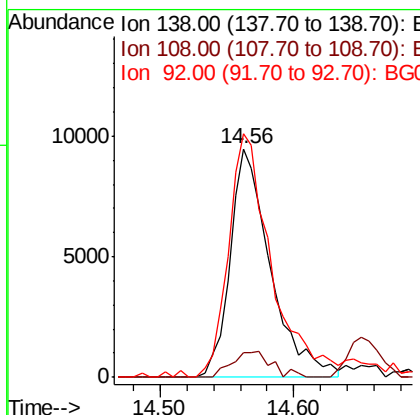
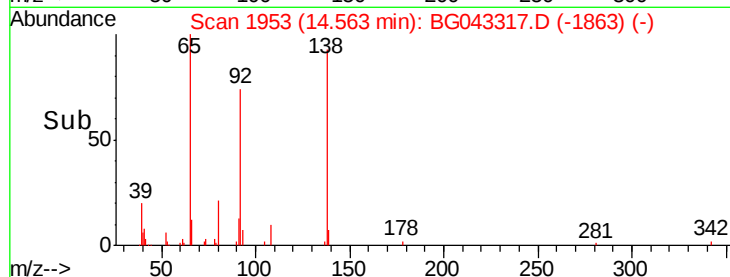
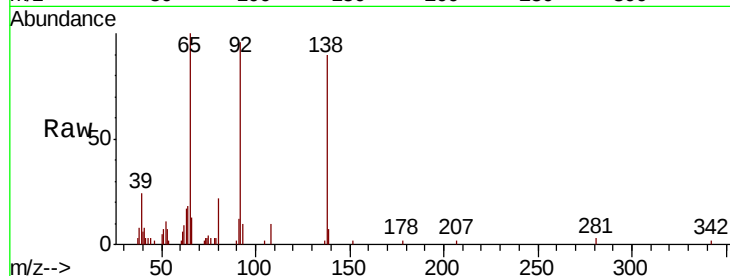
#53  
3-Nitroaniline  
Concen: 11.323 ng  
RT: 14.56 min Scan# 1953  
Delta R.T. -0.00 min  
Lab File: BG043317.D  
Acq: 23 Oct 2019 20:36

Instrument :  
BNA\_G  
ClientSampleId :  
BU-03-102119MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 108     | 10.6  | 9.8   | 14.6  |
| 92      | 106.6 | 95.8  | 143.6 |

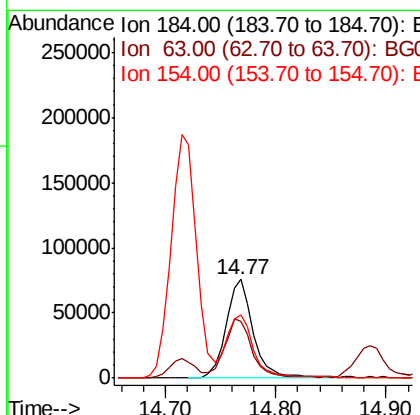
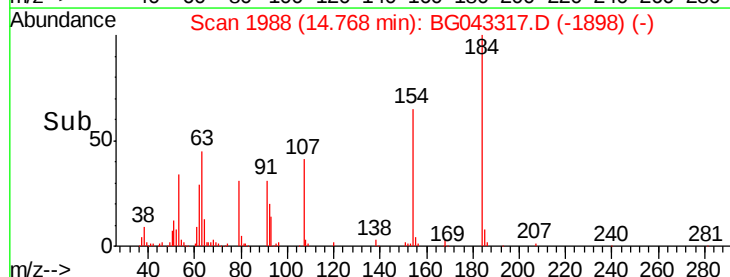
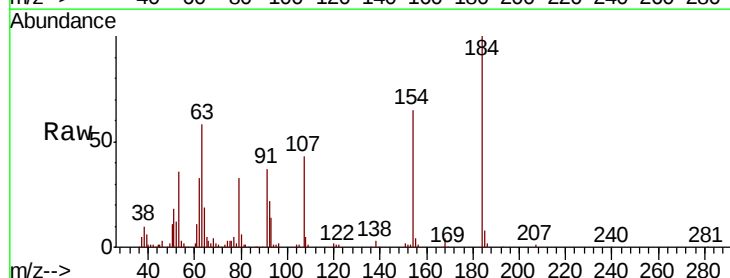
Manual Integrations  
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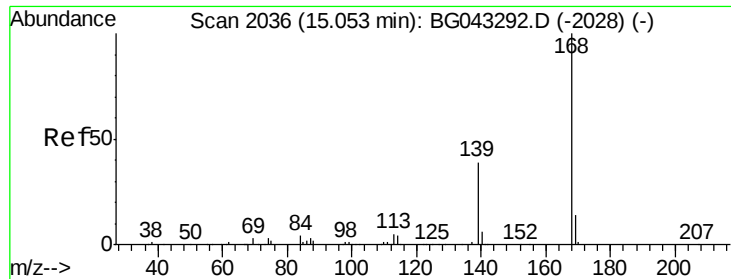
mohammad  
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#54  
2,4-Dinitrophenol  
Concen: 112.478 ng  
RT: 14.77 min Scan# 1988  
Delta R.T. -0.00 min  
Lab File: BG043317.D  
Acq: 23 Oct 2019 20:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 63      | 58.0  | 48.8  | 73.2  |
| 154     | 64.8  | 49.4  | 74.0  |





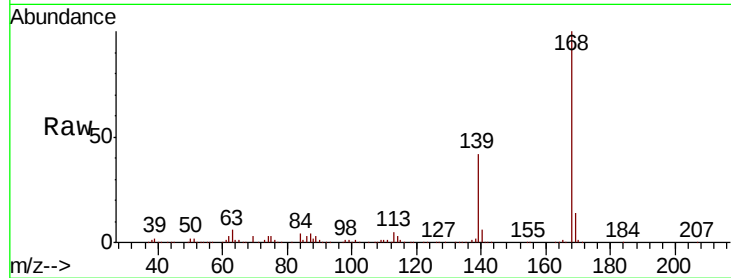
#55  
Dibenzenofuran  
Concen: 51.256 ng  
RT: 15.05 min Scan# 2036  
Delta R.T. -0.00 min  
Lab File: BG043317.D  
Acq: 23 Oct 2019 20:36

Instrument :  
BNA\_G  
ClientSampleId :  
BU-03-102119MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 41.6  | 31.7  | 47.5  |
| 169     | 13.7  | 11.0  | 16.4  |

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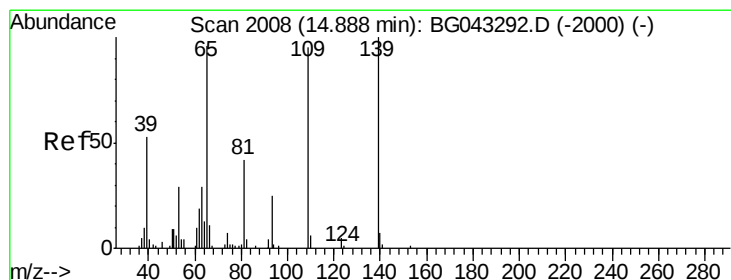
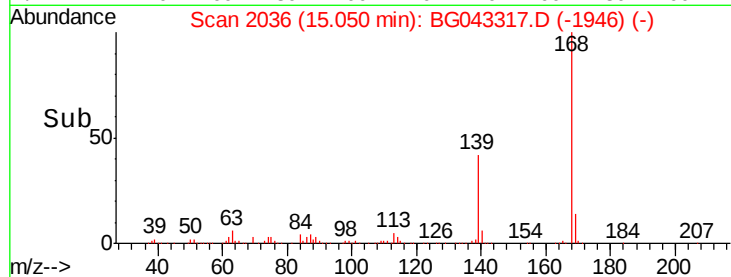
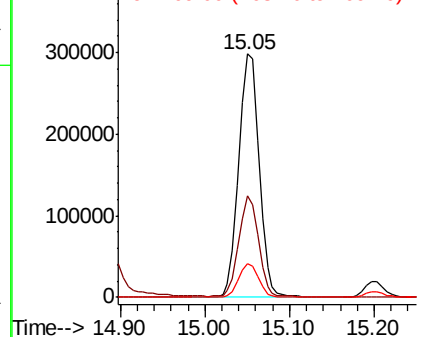


Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56  
4-Nitrophenol  
Concen: 128.610 ng  
RT: 14.89 min Scan# 2008  
Delta R.T. -0.00 min  
Lab File: BG043317.D  
Acq: 23 Oct 2019 20:36

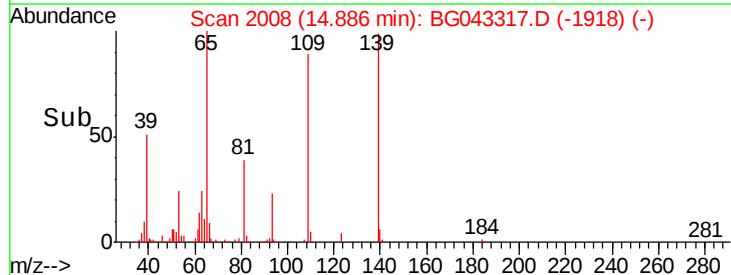
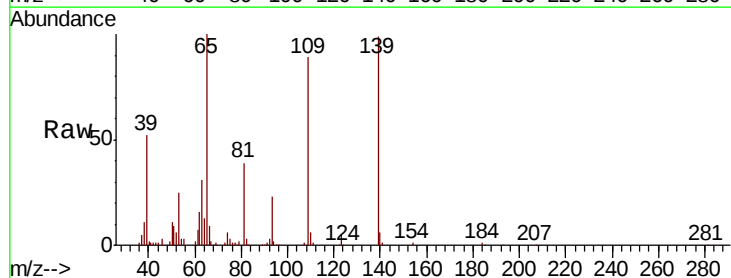
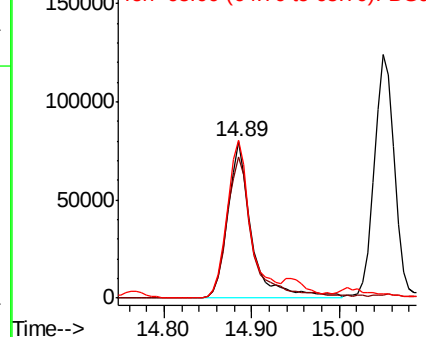
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 90.2  | 75.4  | 115.4 |
| 65      | 100.9 | 76.6  | 116.6 |

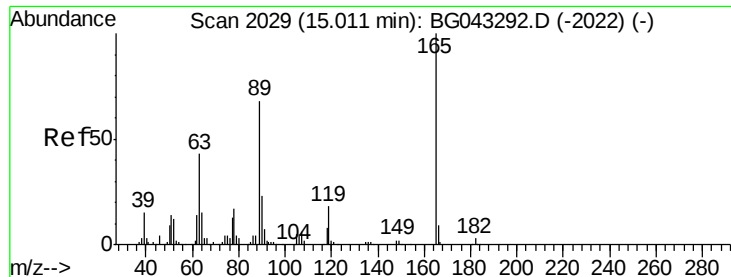
Abundance

Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC





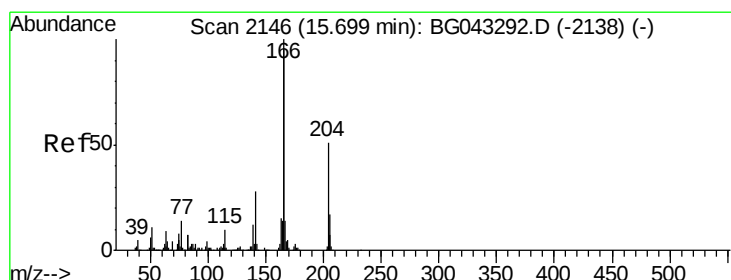
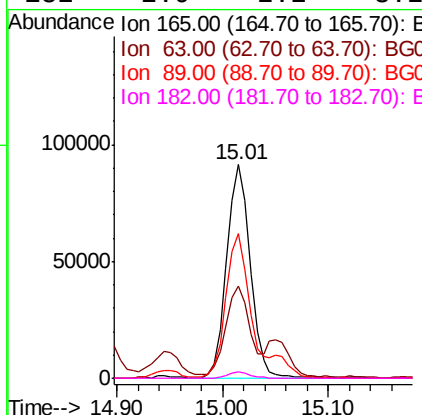
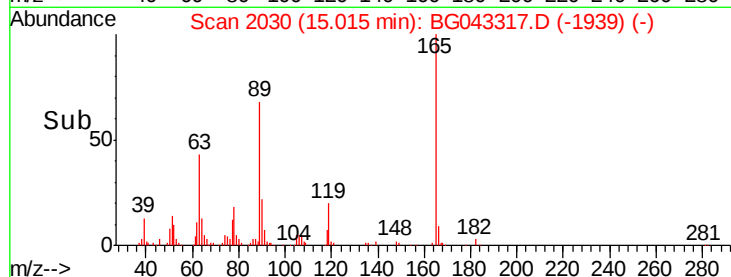
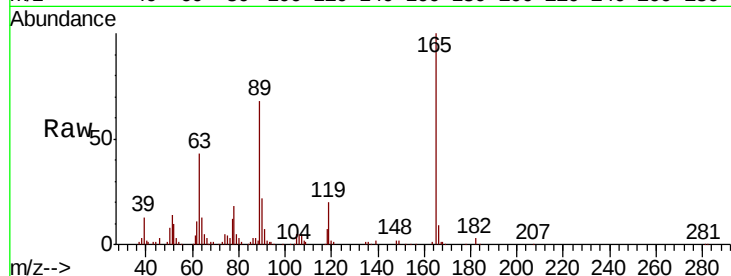
#57  
2,4-Dinitrotoluene  
Concen: 54.438 ng  
RT: 15.01 min Scan# 2030  
Delta R.T. 0.00 min  
Lab File: BG043317.D  
Acq: 23 Oct 2019 20:36

Instrument :  
BNA\_G  
ClientSampleId :  
BU-03-102119MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 165     | 100   | 141550 |       |       |
| 63      | 43.2  | 35.0   | 52.6  |       |
| 89      | 67.6  | 54.1   | 81.1  |       |
| 182     | 2.9   | 2.2    | 3.2   |       |

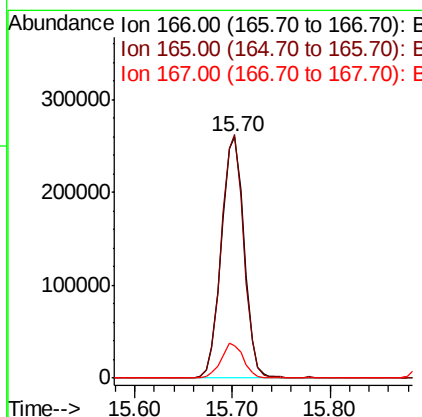
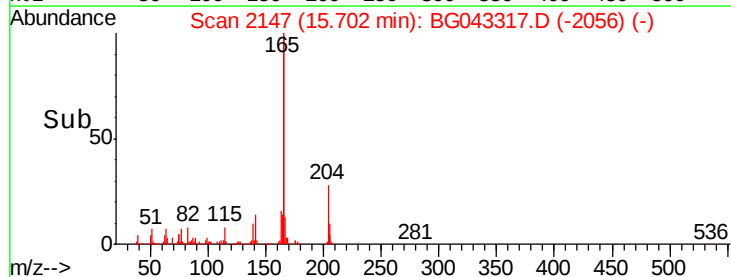
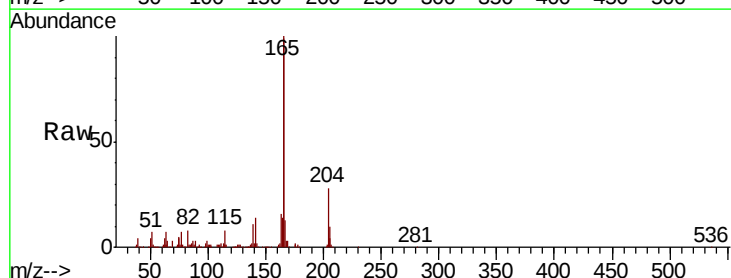
Manual Integrations  
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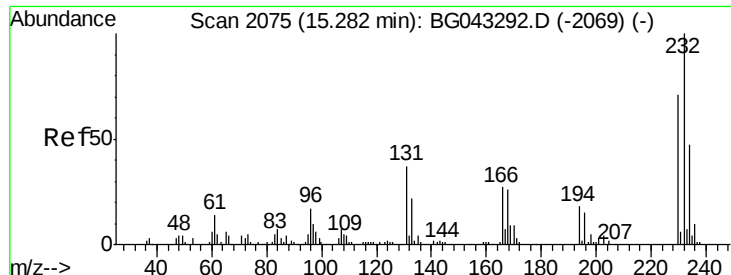
mohammad  
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#58  
Fluorene  
Concen: 52.281 ng  
RT: 15.70 min Scan# 2147  
Delta R.T. 0.00 min  
Lab File: BG043317.D  
Acq: 23 Oct 2019 20:36

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 166     | 100   | 422392 |       |       |
| 165     | 100.9 | 76.4   | 114.6 |       |
| 167     | 13.3  | 11.1   | 16.7  |       |





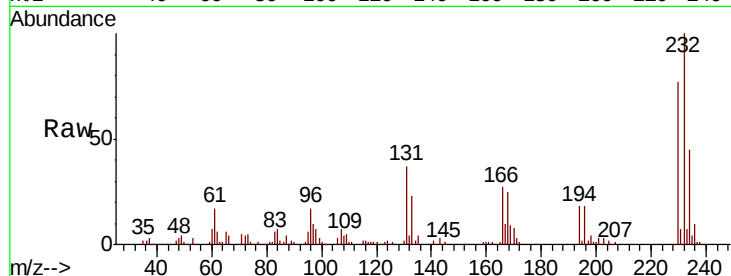
#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 57.972 ng  
 RT: 15.28 min Scan# 2075  
 Delta R.T. -0.00 min  
 Lab File: BG043317.D  
 Acq: 23 Oct 2019 20:36

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BU-03-102119MSD

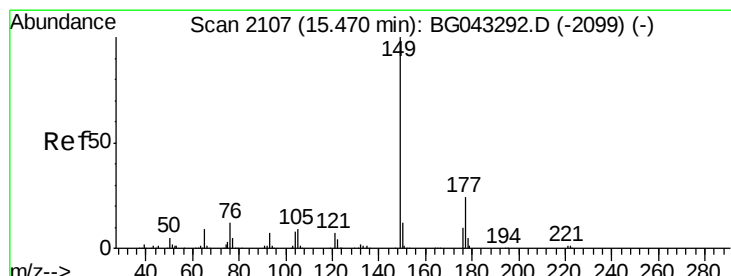
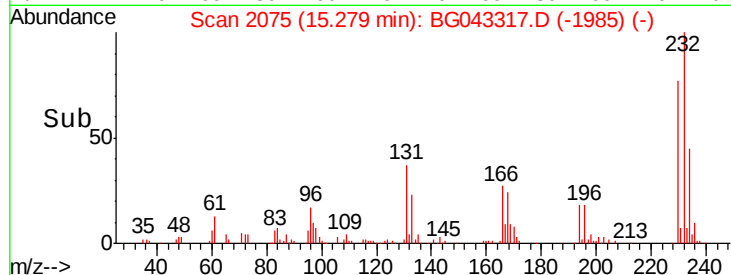
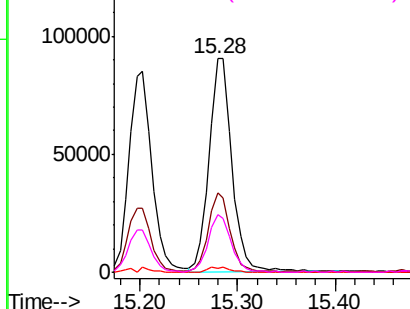
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 232     | 100   | 146738 |       |       |
| 131     | 35.2  | 28.7   | 43.1  |       |
| 130     | 2.2   | 0.6    | 0.8   |       |
| 166     | 26.5  | 21.1   | 31.7  |       |

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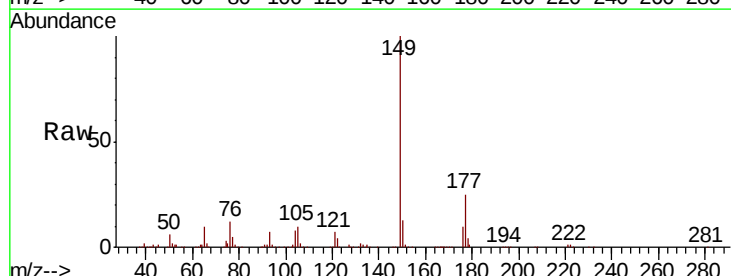


Abundance Ion 232.00 (231.70 to 232.70): E  
 Ion 131.00 (130.70 to 131.70): E  
 Ion 130.00 (129.70 to 130.70): E  
 Ion 166.00 (165.70 to 166.70): E

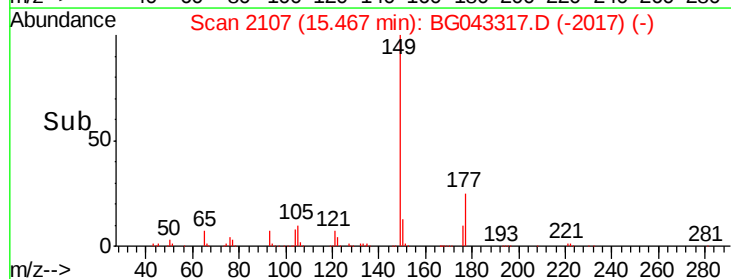
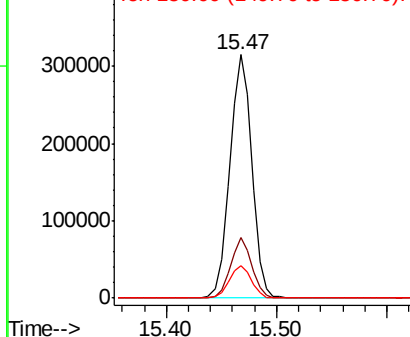


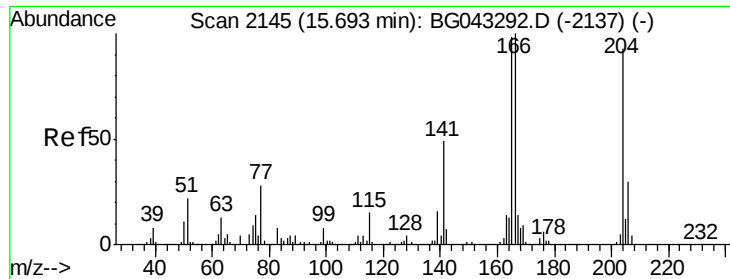
#60  
 Diethylphthalate  
 Concen: 52.262 ng  
 RT: 15.47 min Scan# 2107  
 Delta R.T. -0.00 min  
 Lab File: BG043317.D  
 Acq: 23 Oct 2019 20:36

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 439789 |       |       |
| 177     | 25.1  | 19.0   | 28.4  |       |
| 150     | 13.4  | 9.4    | 14.0  |       |



Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 177.00 (176.70 to 177.70): E  
 Ion 150.00 (149.70 to 150.70): E





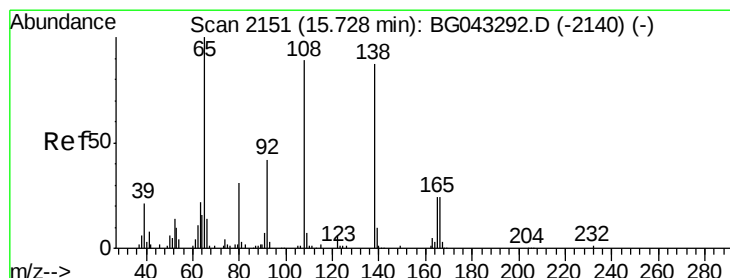
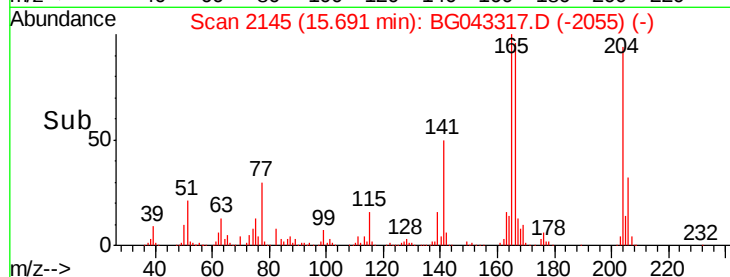
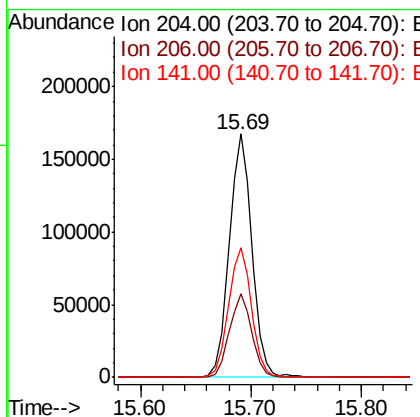
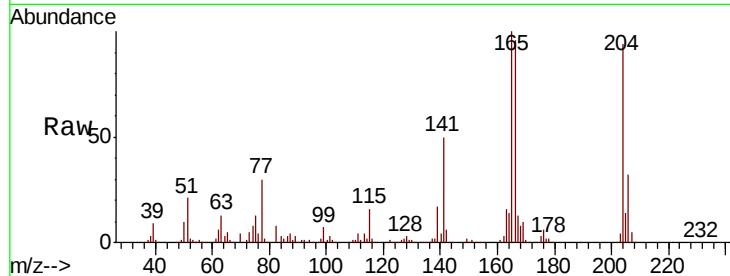
#61  
4-Chlorophenyl-phenylether  
Concen: 51.134 ng  
RT: 15.69 min Scan# 2145  
Delta R.T. -0.00 min  
Lab File: BG043317.D  
Acq: 23 Oct 2019 20:36

Instrument :  
BNA\_G  
ClientSampleId :  
BU-03-102119MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 34.5  | 25.7  | 38.5  |
| 141     | 53.3  | 42.3  | 63.5  |

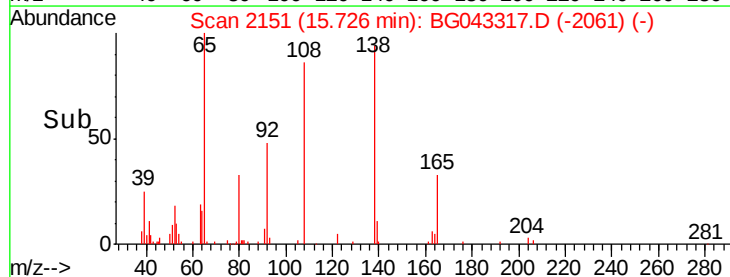
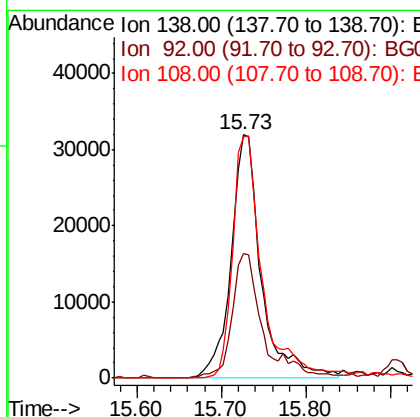
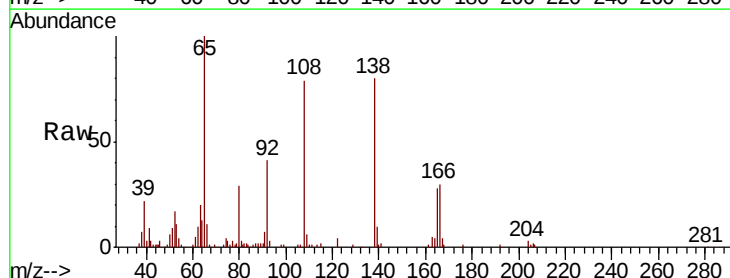
Manual Integrations  
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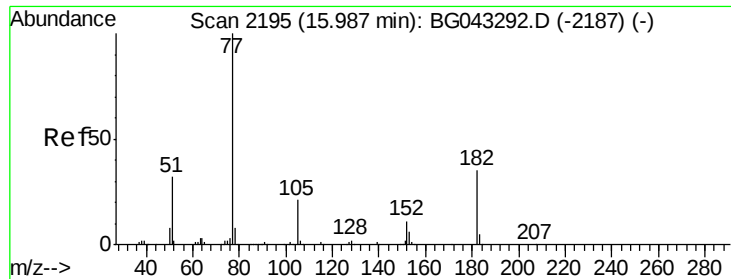
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#62  
4-Nitroaniline  
Concen: 43.197 ng  
RT: 15.73 min Scan# 2151  
Delta R.T. -0.00 min  
Lab File: BG043317.D  
Acq: 23 Oct 2019 20:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 51.4  | 28.8  | 68.8  |
| 108     | 98.9  | 82.7  | 122.7 |





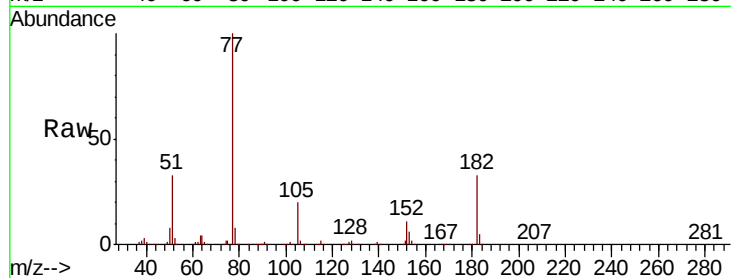
#63  
Azobenzene  
Concen: 52.154 ng  
RT: 15.98 min Scan# 2195  
Delta R.T. -0.00 min  
Lab File: BG043317.D  
Acq: 23 Oct 2019 20:36

Instrument :  
BNA\_G  
ClientSampleId :  
BU-03-102119MSD

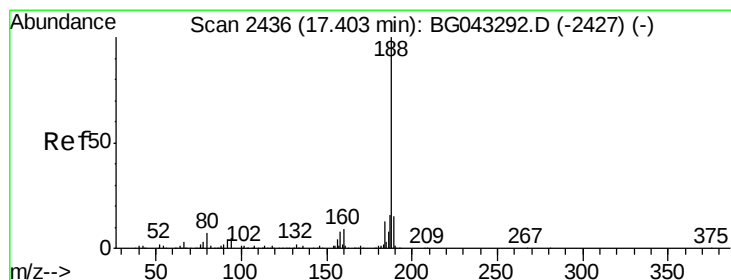
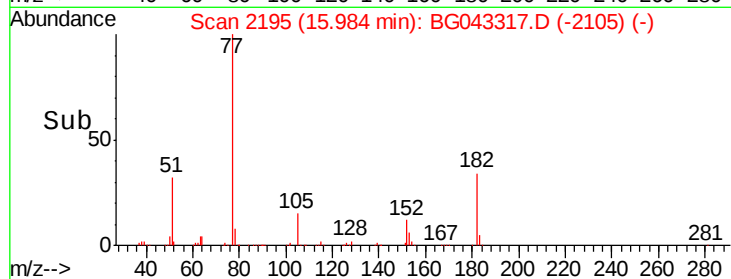
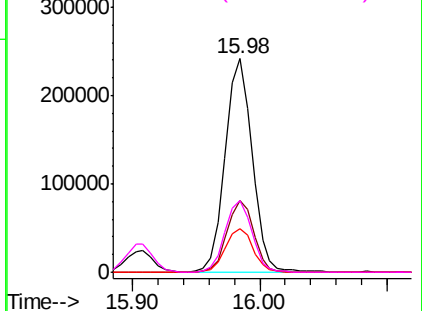
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 182     | 33.3  | 14.9  | 54.9  |
| 105     | 20.4  | 0.6   | 40.6  |
| 51      | 33.4  | 12.5  | 52.5  |

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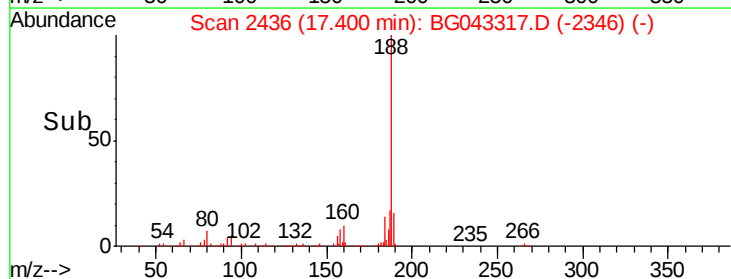
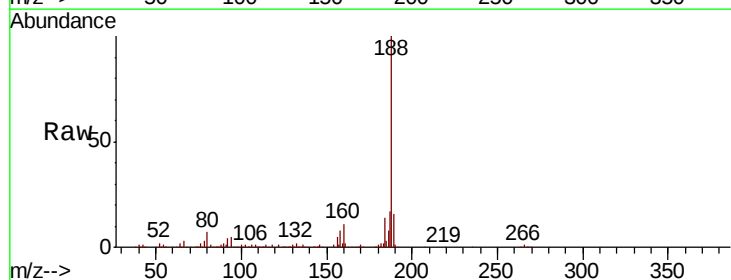
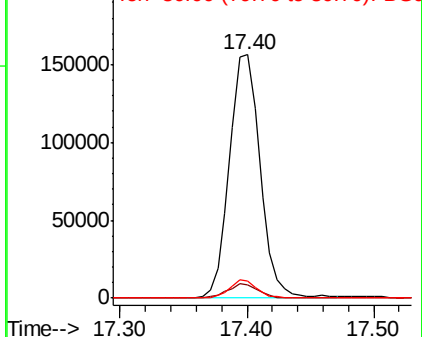
Abundance Ion 77.00 (76.70 to 77.70): BGC  
Ion 182.00 (181.70 to 182.70): BGC  
Ion 105.00 (104.70 to 105.70): BGC  
Ion 51.00 (50.70 to 51.70): BGC

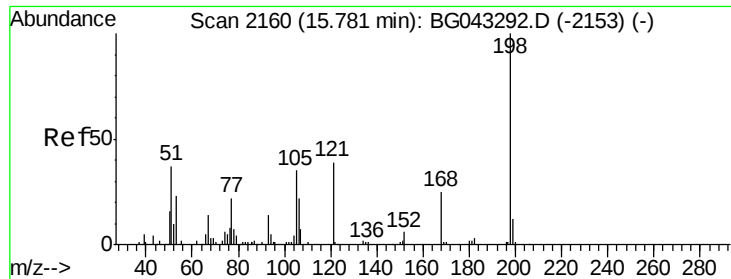


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.40 min Scan# 2436  
Delta R.T. -0.00 min  
Lab File: BG043317.D  
Acq: 23 Oct 2019 20:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 5.3   | 4.2   | 6.2   |
| 80      | 7.1   | 5.2   | 7.8   |

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





#65

4,6-Dinitro-2-methylphenol

Concen: 62.207 ng

RT: 15.78 min Scan# 2160

Delta R.T. -0.00 min

Lab File: BG043317.D

Acq: 23 Oct 2019 20:36

Instrument :

BNA\_G

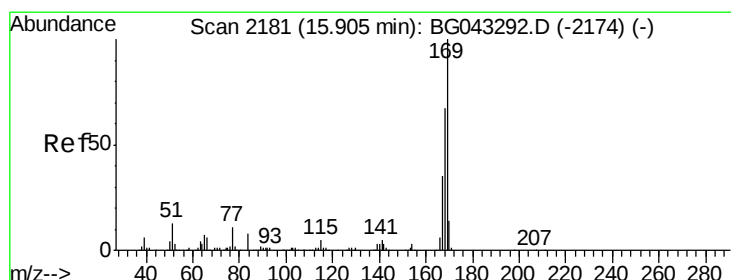
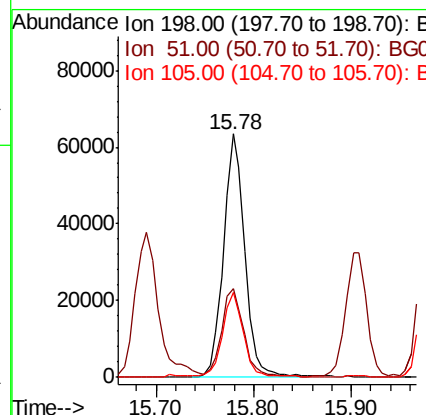
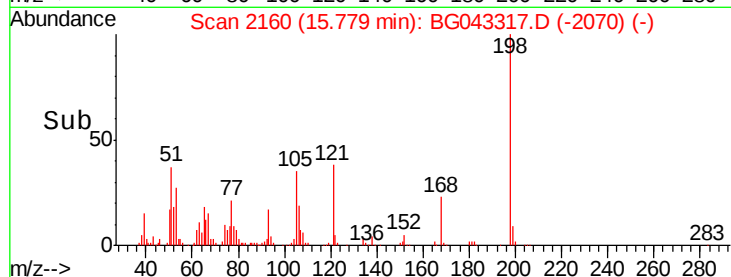
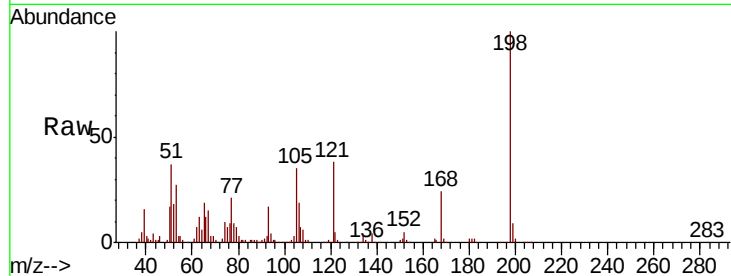
ClientSampleId :

BU-03-102119MSD

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 198   | Resp: | 96212 |
| Ion Ratio | Lower | Upper |       |
| 198       | 100   |       |       |
| 51        | 36.6  | 21.4  | 61.4  |
| 105       | 34.8  | 16.5  | 56.5  |

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#66

n-Nitrosodiphenylamine

Concen: 49.744 ng

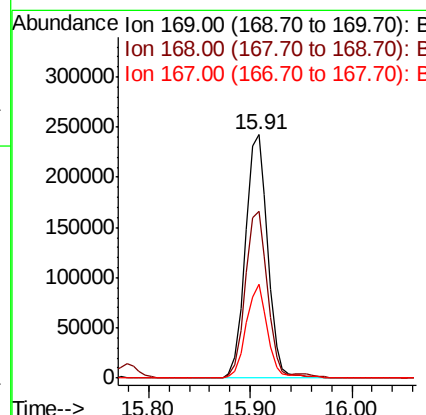
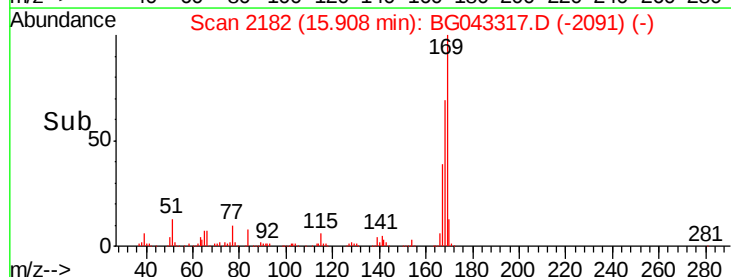
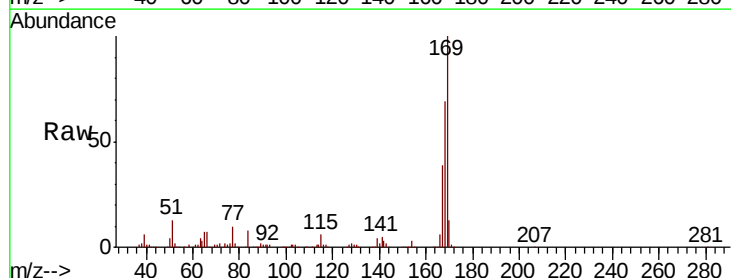
RT: 15.91 min Scan# 2182

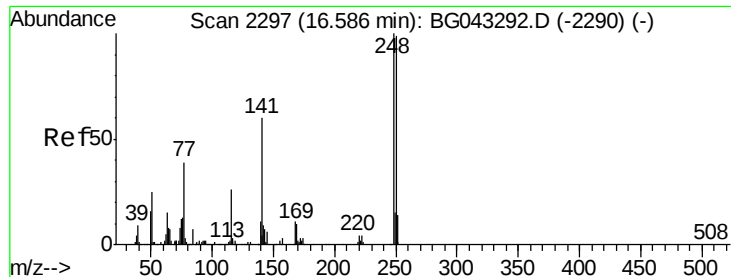
Delta R.T. 0.00 min

Lab File: BG043317.D

Acq: 23 Oct 2019 20:36

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 169   | Resp: | 369093 |
| Ion Ratio | Lower | Upper |        |
| 169       | 100   |       |        |
| 168       | 68.6  | 53.9  | 80.9   |
| 167       | 38.6  | 28.3  | 42.5   |





#67

4-Bromophenyl-phenylether

Concen: 49.398 ng

RT: 16.58 min Scan# 2297

Delta R.T. -0.00 min

Lab File: BG043317.D

Acq: 23 Oct 2019 20:36

Instrument :

BNA\_G

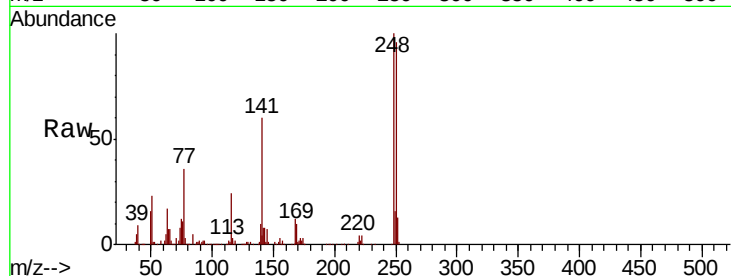
ClientSampleId :

BU-03-102119MSD

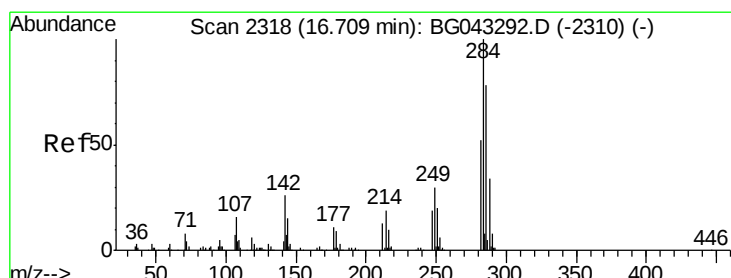
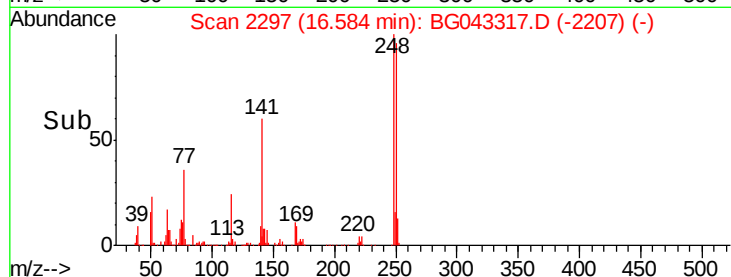
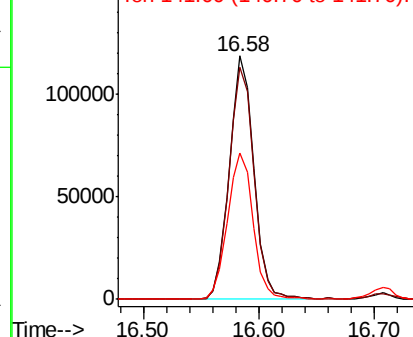
|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 248  | Resp: | 174715 |
| Ion Ratio |      | Lower | Upper  |
| 248       | 100  |       |        |
| 250       | 95.5 | 79.3  | 118.9  |
| 141       | 59.9 | 47.9  | 71.9   |

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Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E



#68

Hexachlorobenzene

Concen: 48.295 ng

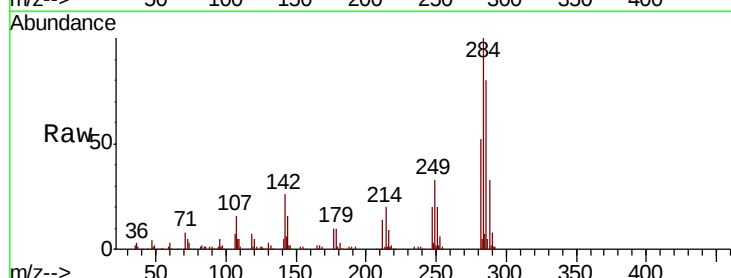
RT: 16.71 min Scan# 2318

Delta R.T. -0.00 min

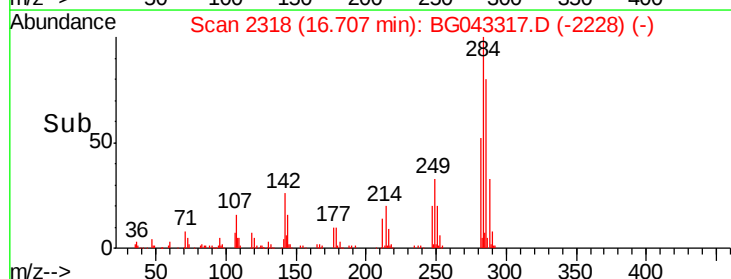
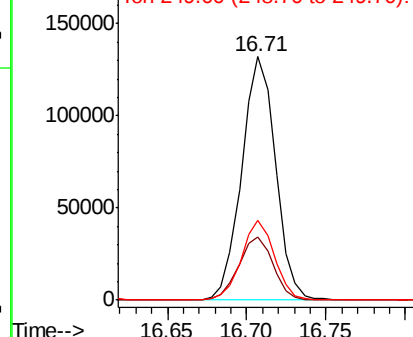
Lab File: BG043317.D

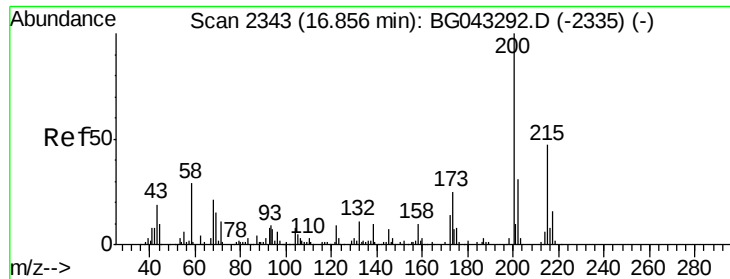
Acq: 23 Oct 2019 20:36

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 284  | Resp: | 196073 |
| Ion Ratio |      | Lower | Upper  |
| 284       | 100  |       |        |
| 142       | 26.1 | 21.1  | 31.7   |
| 249       | 33.0 | 24.4  | 36.6   |



Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E





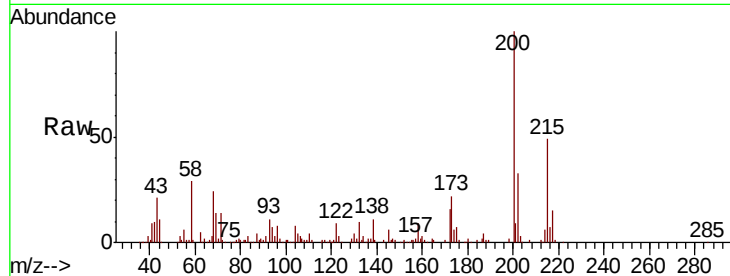
#69  
Atrazine  
Concen: 48.262 ng  
RT: 16.85 min Scan# 2343  
Delta R.T. -0.00 min  
Lab File: BG043317.D  
Acq: 23 Oct 2019 20:36

Instrument :  
BNA\_G  
ClientSampleId :  
BU-03-102119MSD

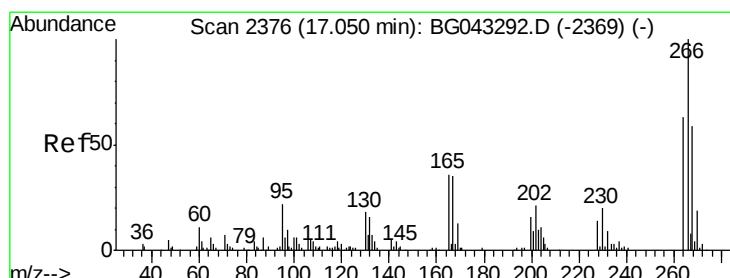
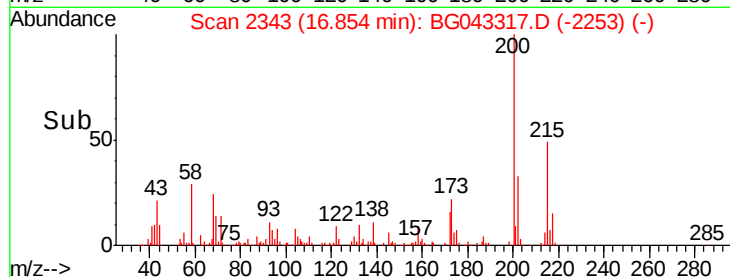
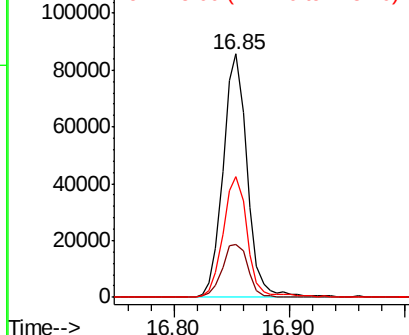
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 200     | 100   | 124430 |       |       |
| 173     | 21.7  | 5.1    | 45.1  |       |
| 215     | 49.5  | 26.6   | 66.6  |       |

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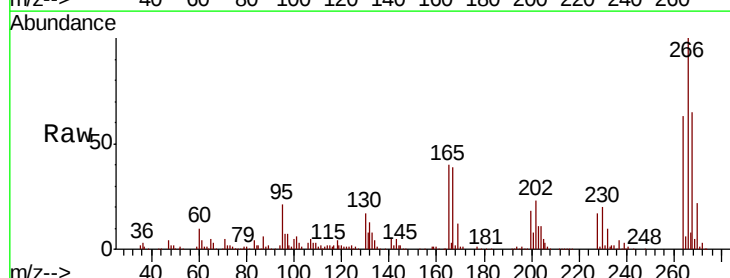


Abundance Ion 200.00 (199.70 to 200.70): E  
Ion 173.00 (172.70 to 173.70): E  
Ion 215.00 (214.70 to 215.70): E

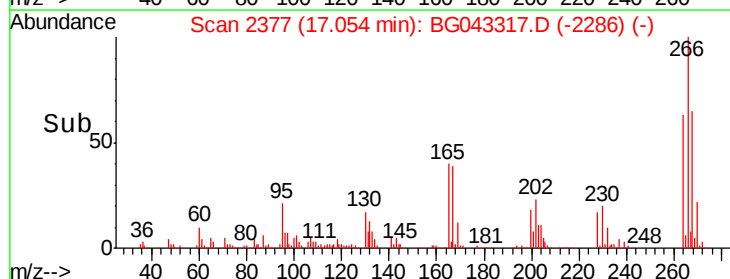
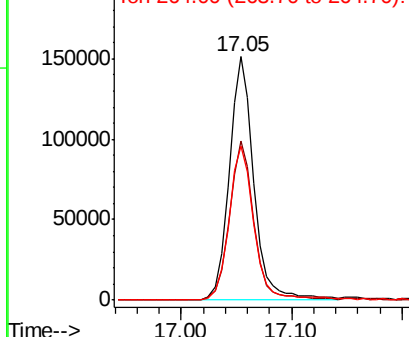


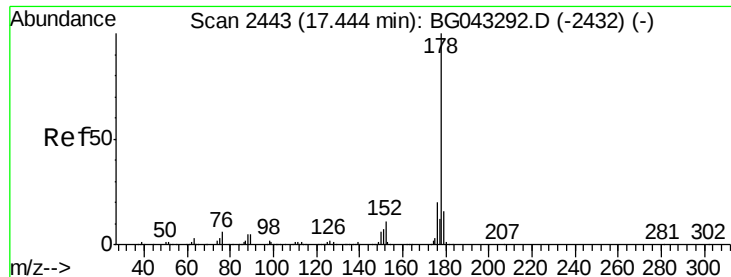
#70  
Pentachlorophenol  
Concen: 127.591 ng  
RT: 17.05 min Scan# 2377  
Delta R.T. 0.00 min  
Lab File: BG043317.D  
Acq: 23 Oct 2019 20:36

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 266     | 100   | 236035 |       |       |
| 268     | 65.1  | 47.1   | 70.7  |       |
| 264     | 63.1  | 50.4   | 75.6  |       |



Abundance Ion 265.70 (265.40 to 266.40): E  
Ion 268.00 (267.70 to 268.70): E  
Ion 264.00 (263.70 to 264.70): E





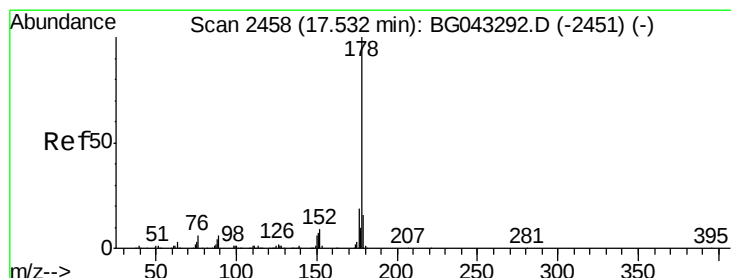
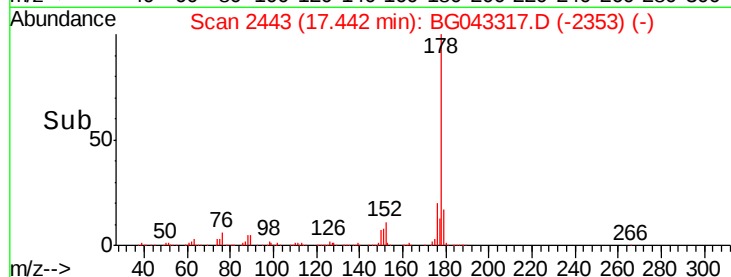
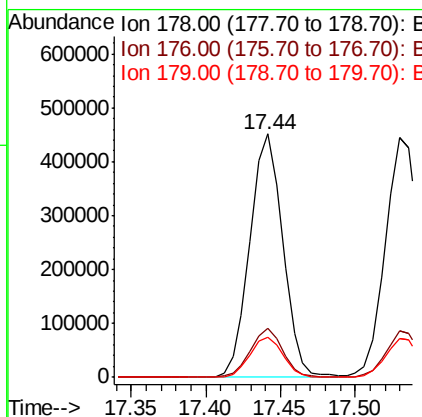
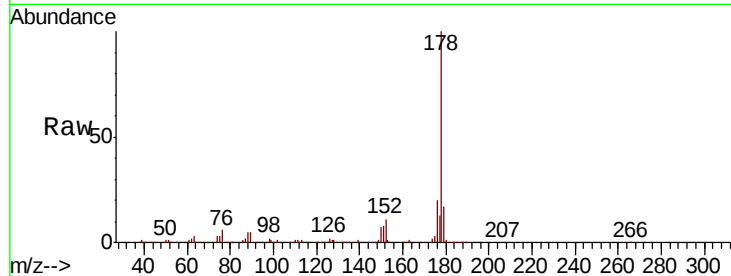
#71  
Phenanthrene  
Concen: 51.463 ng  
RT: 17.44 min Scan# 2443  
Delta R.T. -0.00 min  
Lab File: BG043317.D  
Acq: 23 Oct 2019 20:36

Instrument :  
BNA\_G  
ClientSampleId :  
BU-03-102119MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 20.1  | 15.8  | 23.8  |
| 179     | 16.6  | 13.1  | 19.7  |

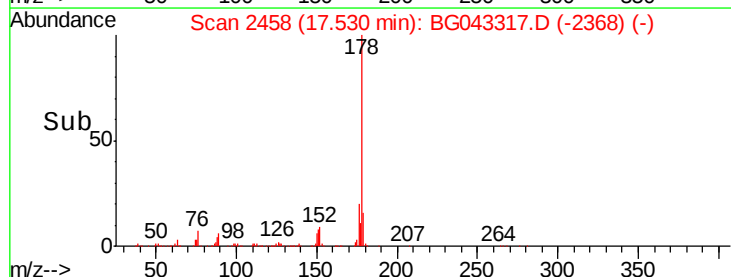
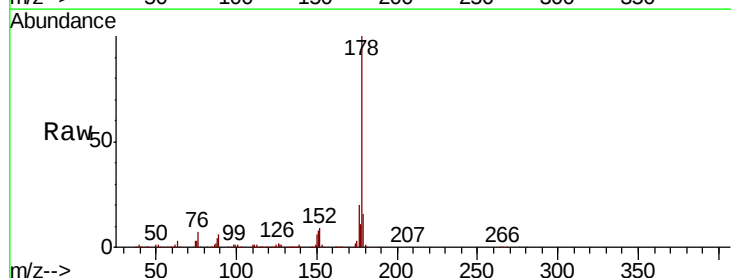
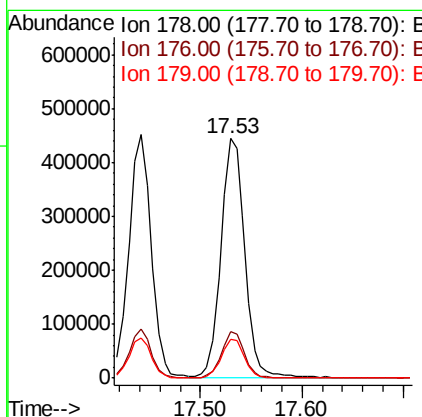
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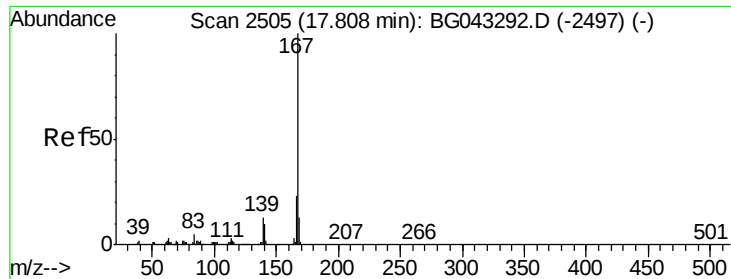
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#72  
Anthracene  
Concen: 53.527 ng  
RT: 17.53 min Scan# 2458  
Delta R.T. -0.00 min  
Lab File: BG043317.D  
Acq: 23 Oct 2019 20:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.6  | 15.1  | 22.7  |
| 179     | 16.4  | 13.0  | 19.6  |





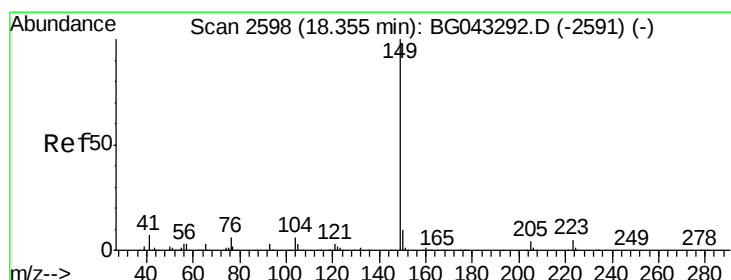
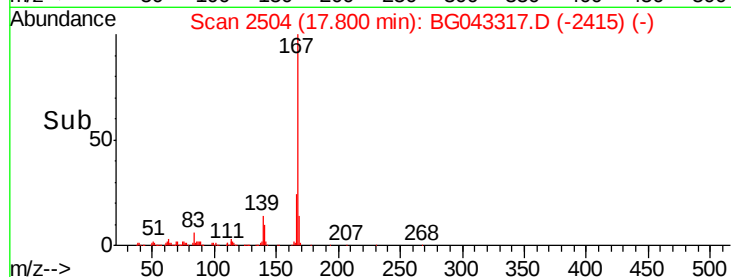
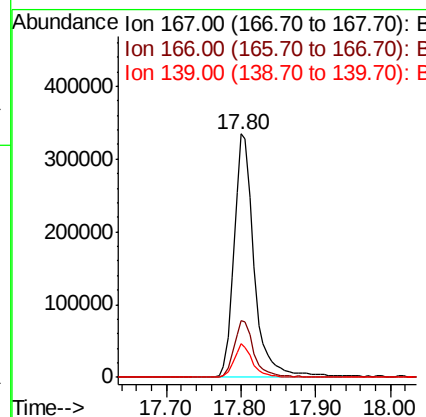
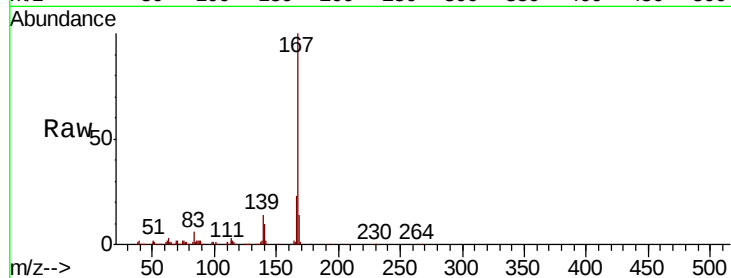
#73  
 Carbazole  
 Concen: 51.850 ng  
 RT: 17.80 min Scan# 2504  
 Delta R.T. -0.01 min  
 Lab File: BG043317.D  
 Acq: 23 Oct 2019 20:36

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BU-03-102119MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 167   | Resp: | 632227 |
| Ion Ratio | Lower | Upper |        |
| 167       | 100   |       |        |
| 166       | 23.5  | 18.4  | 27.6   |
| 139       | 13.6  | 10.2  | 15.4   |

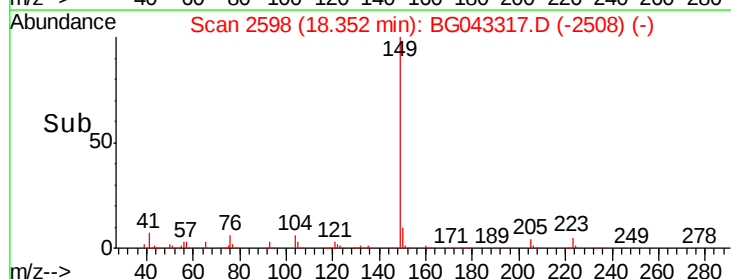
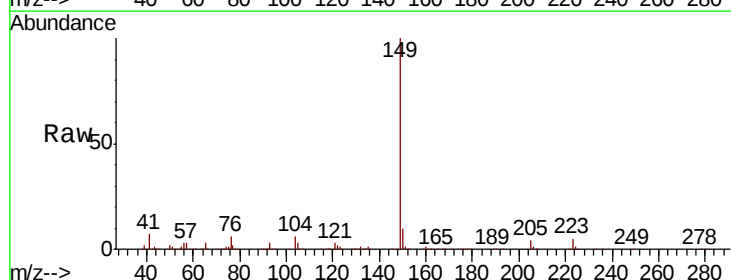
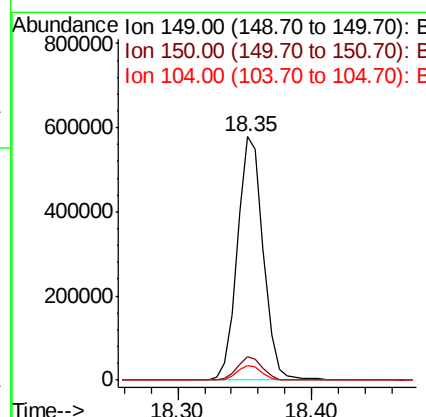
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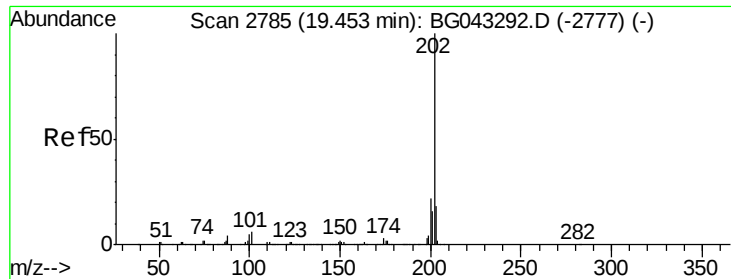
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#74  
 Di-n-butylphthalate  
 Concen: 52.548 ng  
 RT: 18.35 min Scan# 2598  
 Delta R.T. -0.00 min  
 Lab File: BG043317.D  
 Acq: 23 Oct 2019 20:36

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 149   | Resp: | 777458 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 150       | 9.7   | 8.0   | 12.0   |
| 104       | 6.2   | 4.7   | 7.1    |





#75

Fluoranthene

Concen: 53.928 ng

RT: 19.45 min Scan# 2785

Delta R.T. -0.00 min

Lab File: BG043317.D

Acq: 23 Oct 2019 20:36

Instrument :

BNA\_G

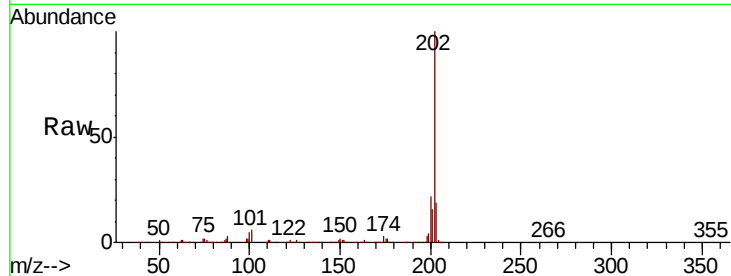
ClientSampleId :

BU-03-102119MSD

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 202     | 100  |       | 946176 |       |       |
| 101     | 6.0  | 0.0   | 26.0   |       |       |
| 203     | 18.6 | 0.0   | 38.2   |       |       |

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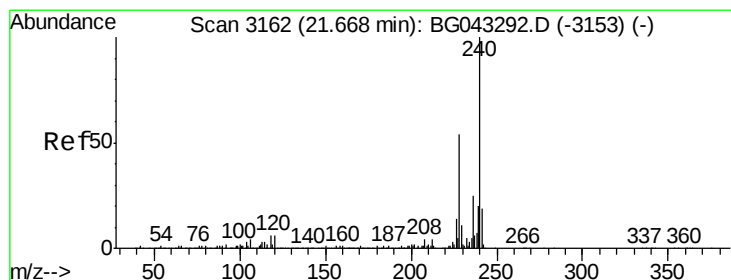
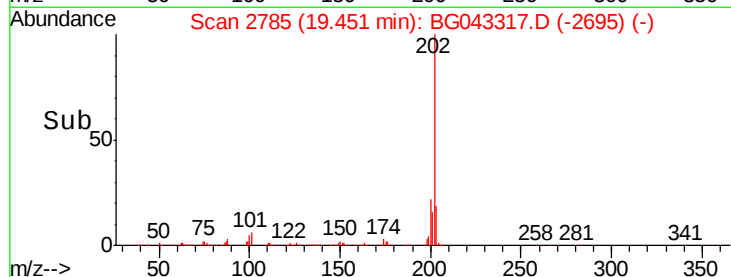
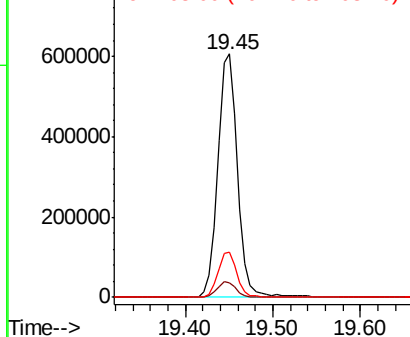


Abundance

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

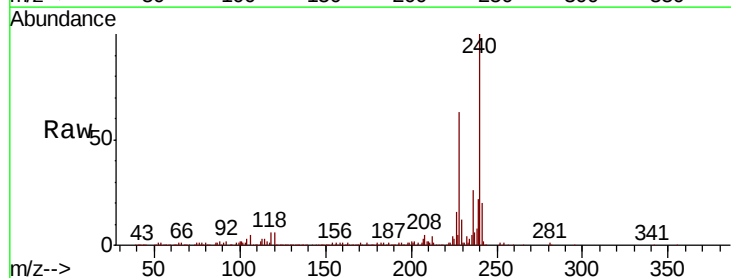
RT: 21.67 min Scan# 3162

Delta R.T. -0.00 min

Lab File: BG043317.D

Acq: 23 Oct 2019 20:36

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 240     | 100  |       | 301502 |       |       |
| 120     | 5.6  | 4.6   | 7.0    |       |       |
| 236     | 26.1 | 20.2  | 30.4   |       |       |

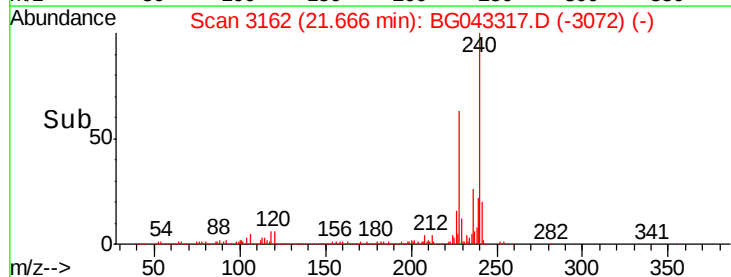
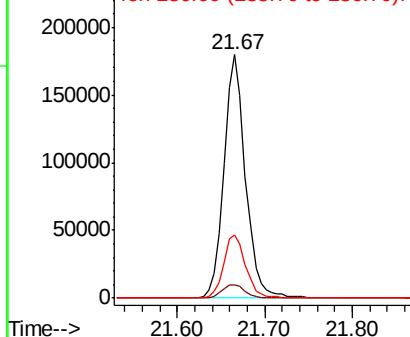


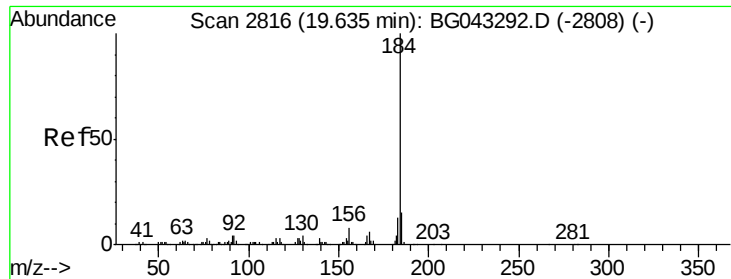
Abundance

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: 2.370 ng

RT: 19.69 min Scan# 2825

Delta R.T. 0.05 min

Lab File: BG043317.D

Acq: 23 Oct 2019 20:36

Instrument :

BNA\_G

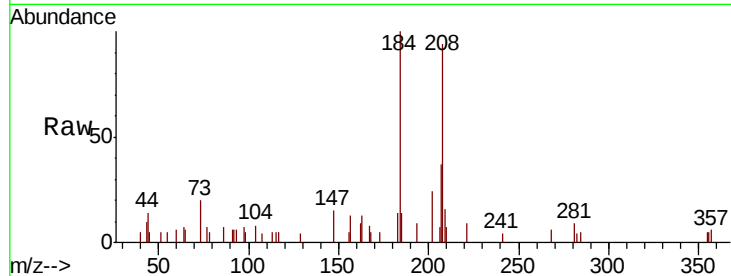
ClientSampleId :

BU-03-102119MSD

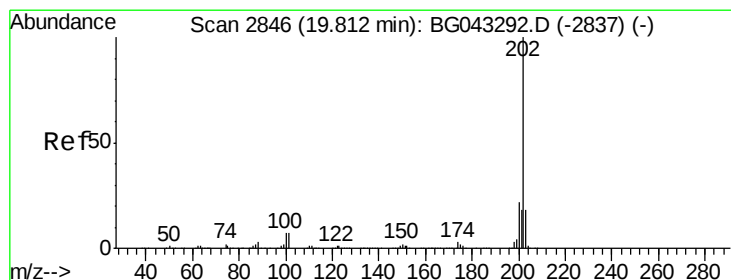
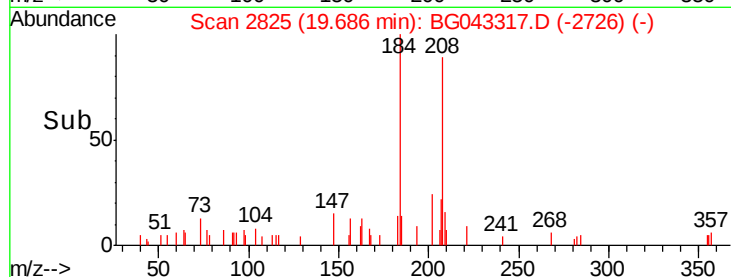
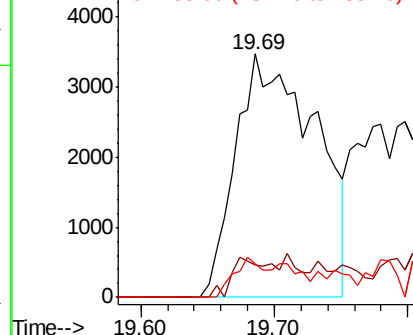
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 184   | Resp: | 14382 |
| Ion Ratio | Lower | Upper |       |
| 184       | 100   |       |       |
| 185       | 13.5  | 11.8  | 17.6  |
| 183       | 13.7  | 10.6  | 16.0  |

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Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 185.00 (184.70 to 185.70): E  
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 51.300 ng

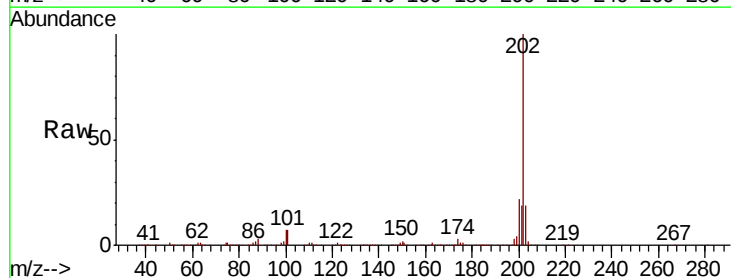
RT: 19.81 min Scan# 2846

Delta R.T. -0.00 min

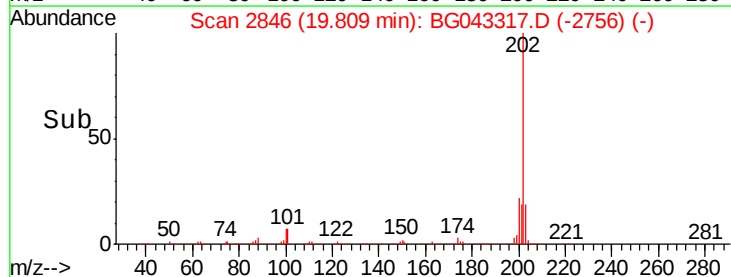
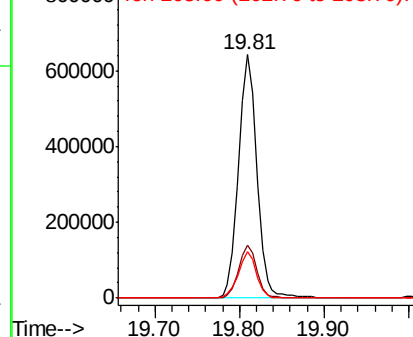
Lab File: BG043317.D

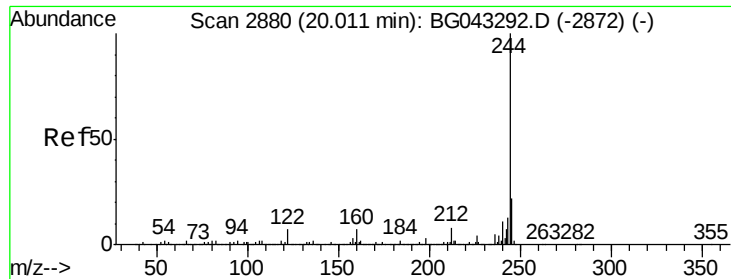
Acq: 23 Oct 2019 20:36

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 957390 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 200       | 21.8  | 17.3  | 25.9   |
| 203       | 18.9  | 14.5  | 21.7   |



Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 200.00 (199.70 to 200.70): E  
Ion 203.00 (202.70 to 203.70): E





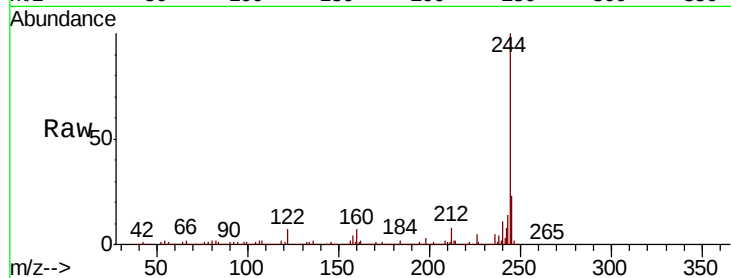
#79  
 Terphenyl-d14  
 Concen: 95.068 ng  
 RT: 20.01 min Scan# 2880  
 Delta R.T. -0.00 min  
 Lab File: BG043317.D  
 Acq: 23 Oct 2019 20:36

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BU-03-102119MSD

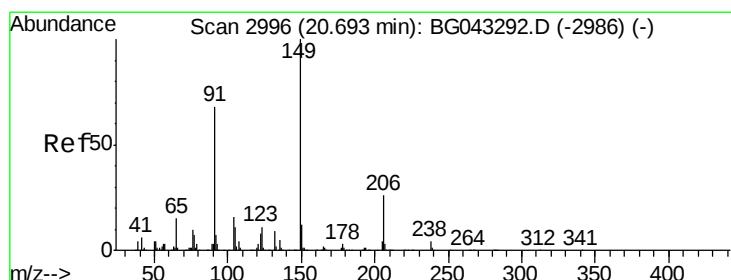
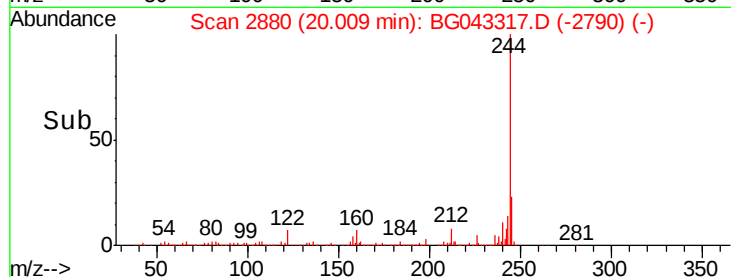
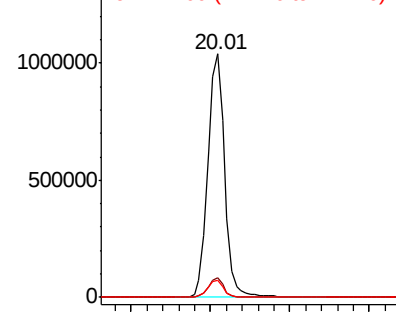
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.9   | 6.4   | 9.6   |
| 122     | 6.9   | 5.3   | 7.9   |

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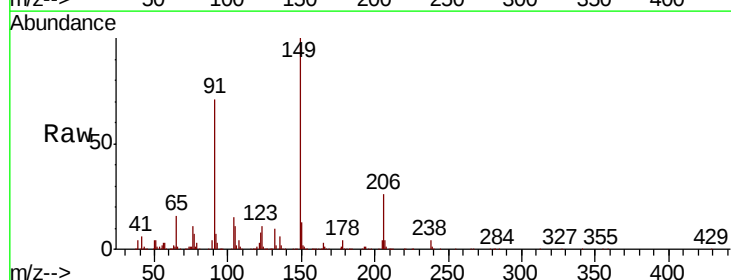


Abundance Ion 244.00 (243.70 to 244.70): E  
 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E

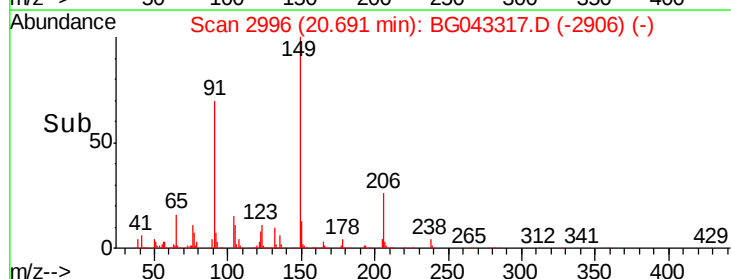
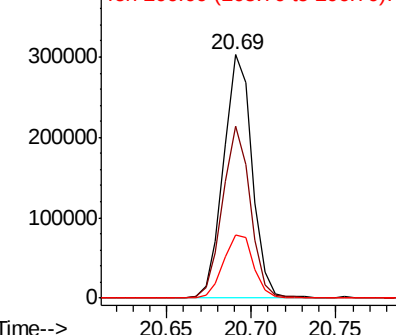


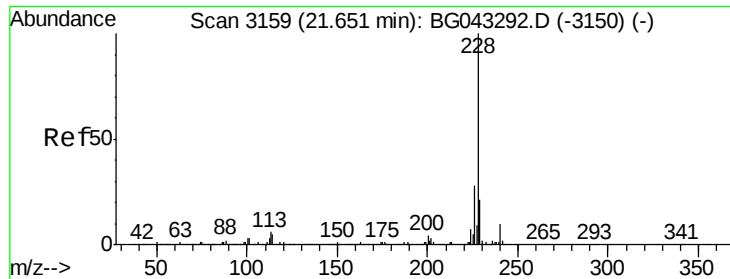
#80  
 Butylbenzylphthalate  
 Concen: 50.709 ng  
 RT: 20.69 min Scan# 2996  
 Delta R.T. -0.00 min  
 Lab File: BG043317.D  
 Acq: 23 Oct 2019 20:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 70.5  | 54.6  | 82.0  |
| 206     | 26.1  | 20.5  | 30.7  |



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





#81

Benzo(a)anthracene

Concen: 51.827 ng

RT: 21.65 min Scan# 3159

Delta R.T. -0.00 min

Lab File: BG043317.D

Acq: 23 Oct 2019 20:36

Instrument :

BNA\_G

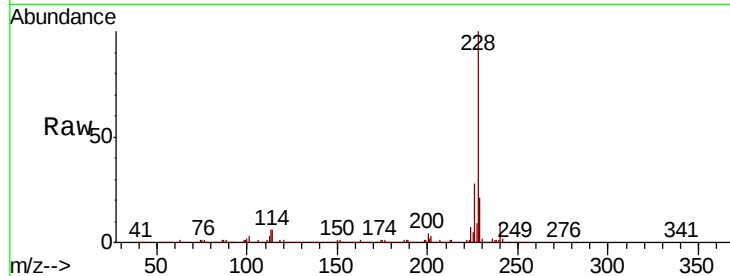
ClientSampleId :

BU-03-102119MSD

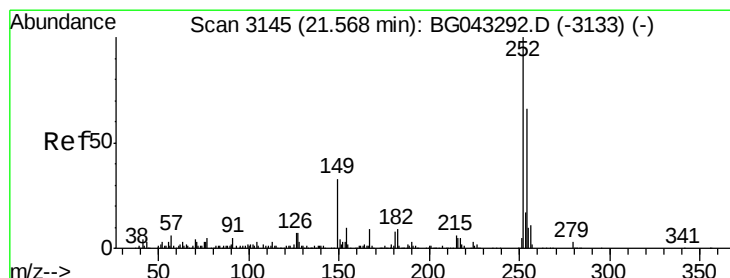
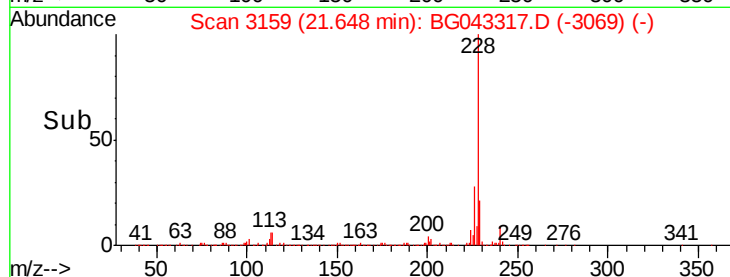
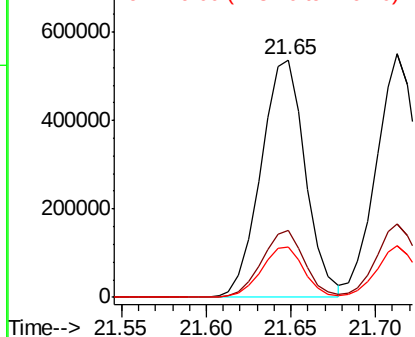
| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 228     | 100  |       | 978804 |       |       |
| 226     | 28.0 |       | 22.2   | 33.4  |       |
| 229     | 20.9 |       | 16.9   | 25.3  |       |

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



#82

3,3'-Dichlorobenzidine

Concen: 10.040 ng

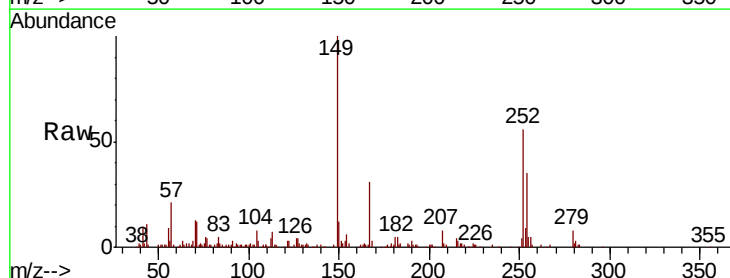
RT: 21.57 min Scan# 3145

Delta R.T. -0.00 min

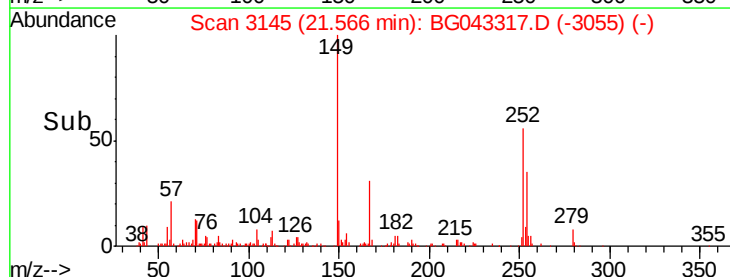
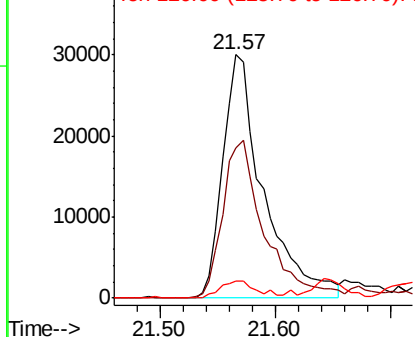
Lab File: BG043317.D

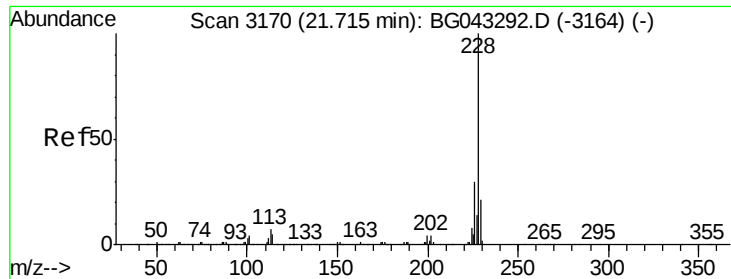
Acq: 23 Oct 2019 20:36

| Tgt Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 252     | 100  |       | 73339 |       |       |
| 254     | 61.7 |       | 52.7  | 79.1  |       |
| 126     | 6.9  |       | 5.6   | 8.4   |       |



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





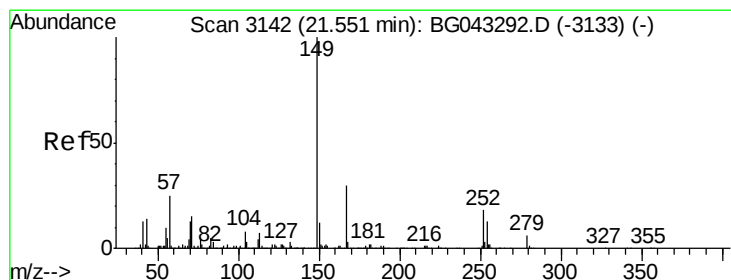
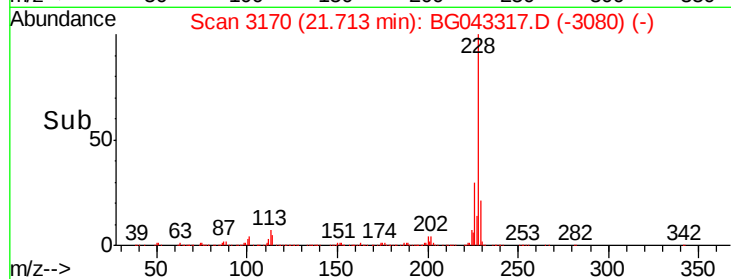
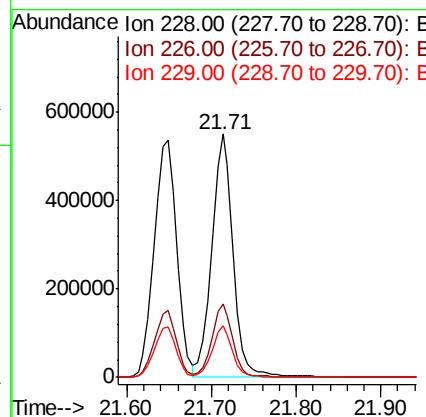
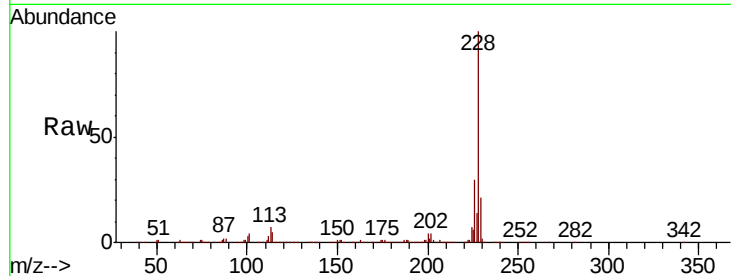
#83  
 Chrvsene  
 Concen: 51.516 ng  
 RT: 21.71 min Scan# 3170  
 Delta R.T. -0.00 min  
 Lab File: BG043317.D  
 Acq: 23 Oct 2019 20:36

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BU-03-102119MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.3  | 23.8  | 35.8  |
| 229     | 21.2  | 16.3  | 24.5  |

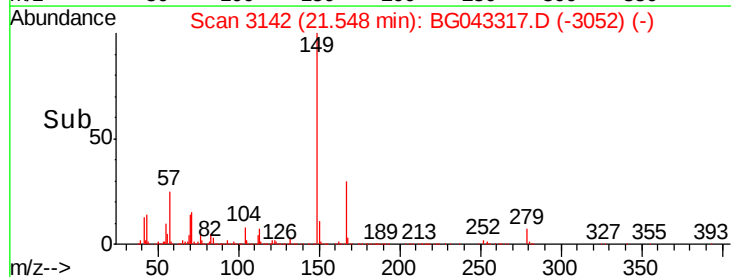
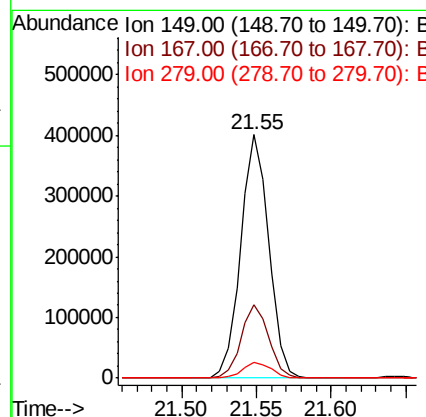
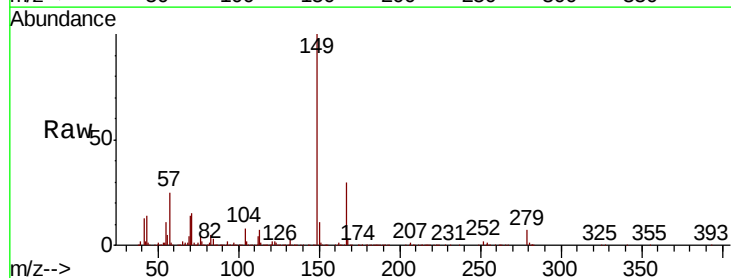
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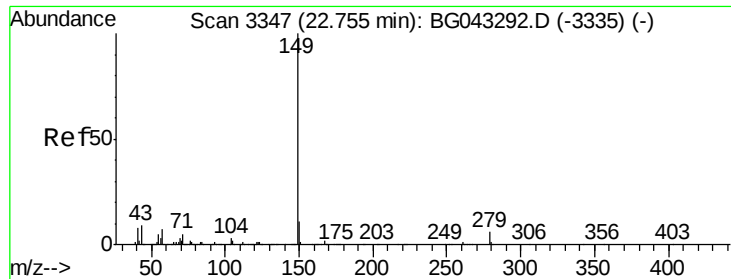
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#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 52.286 ng  
 RT: 21.55 min Scan# 3142  
 Delta R.T. -0.00 min  
 Lab File: BG043317.D  
 Acq: 23 Oct 2019 20:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 29.9  | 23.9  | 35.9  |
| 279     | 6.5   | 4.8   | 7.2   |





#85

Di-n-octyl phthalate

Concen: 52.783 ng

RT: 22.75 min Scan# 3347

Delta R.T. -0.00 min

Lab File: BG043317.D

Acq: 23 Oct 2019 20:36

Instrument :

BNA\_G

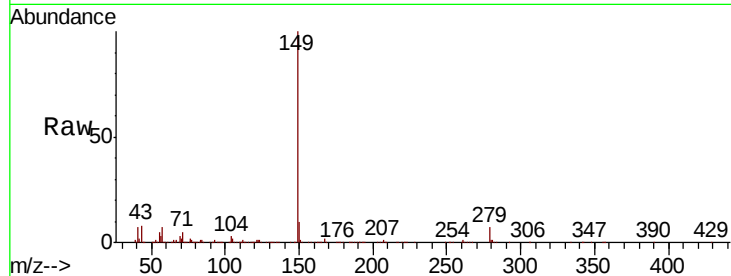
ClientSampleId :

BU-03-102119MSD

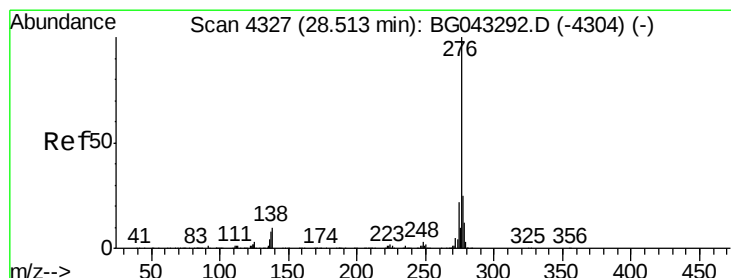
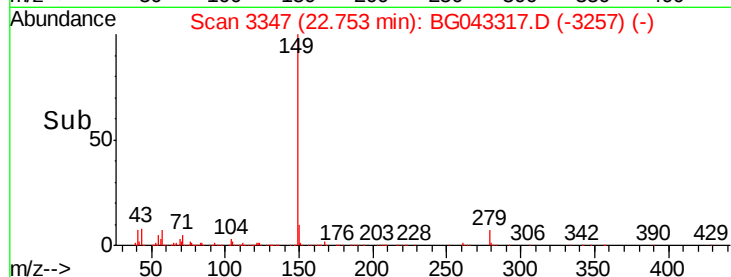
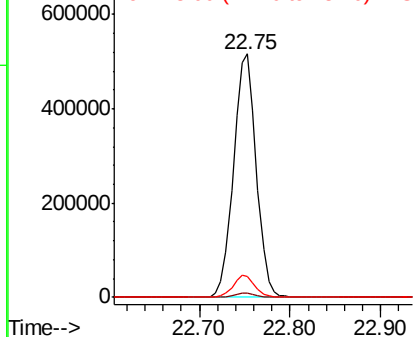
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 149   | Resp: | 899418 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 167       | 1.8   | 1.4   | 2.0    |
| 43        | 8.5   | 6.9   | 10.3   |

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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: 52.642 ng

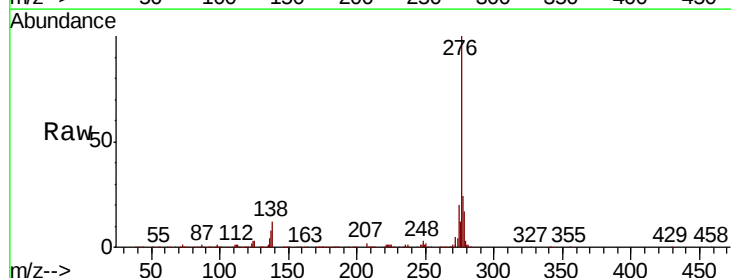
RT: 28.51 min Scan# 4327

Delta R.T. -0.00 min

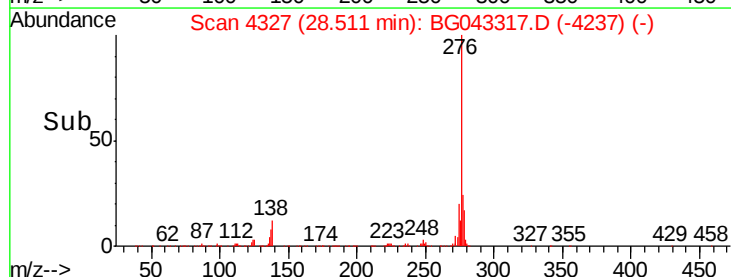
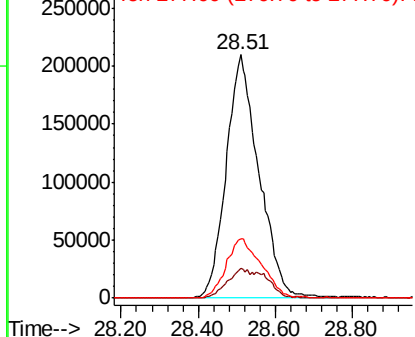
Lab File: BG043317.D

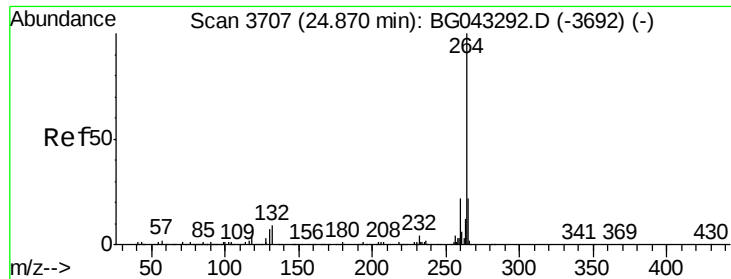
Acq: 23 Oct 2019 20:36

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 276   | Resp: | 1239944 |
| Ion Ratio | Lower | Upper |         |
| 276       | 100   |       |         |
| 138       | 9.2   | 7.2   | 10.8    |
| 277       | 26.1  | 20.9  | 31.3    |



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: 24.86 min Scan# 3706

Delta R.T. -0.01 min

Lab File: BG043317.D

Acq: 23 Oct 2019 20:36

Instrument :

BNA\_G

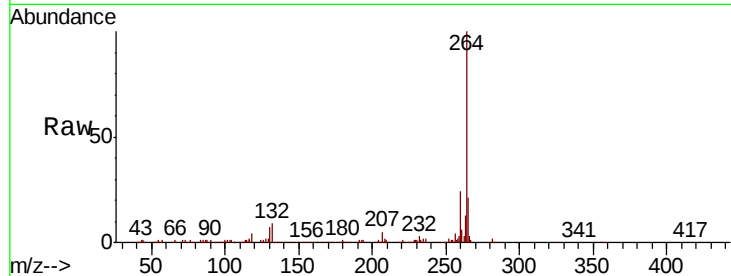
ClientSampleId :

BU-03-102119MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 264   | Resp: | 346541 |
| Ion Ratio | Lower | Upper |        |
| 264       | 100   |       |        |
| 260       | 23.7  | 17.9  | 26.9   |
| 265       | 21.2  | 17.4  | 26.2   |

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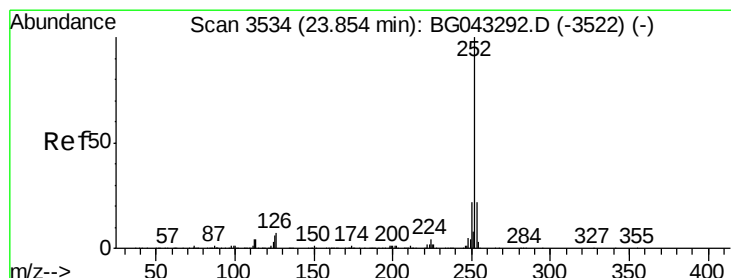
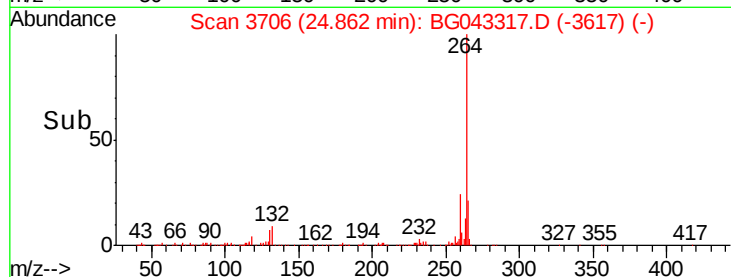
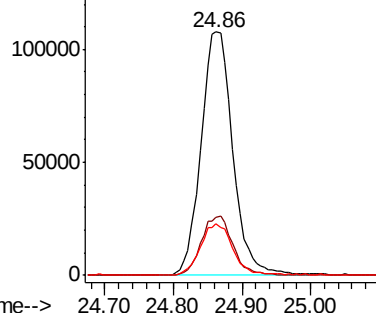


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 51.892 ng

RT: 23.85 min Scan# 3534

Delta R.T. -0.00 min

Lab File: BG043317.D

Acq: 23 Oct 2019 20:36

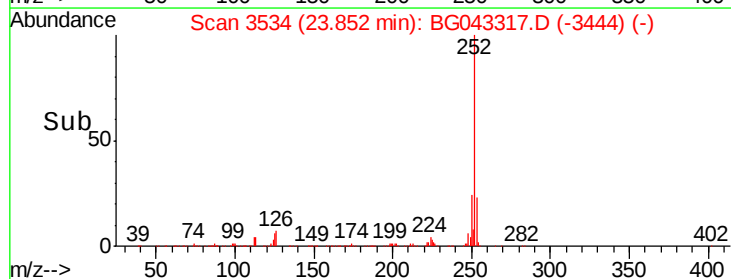
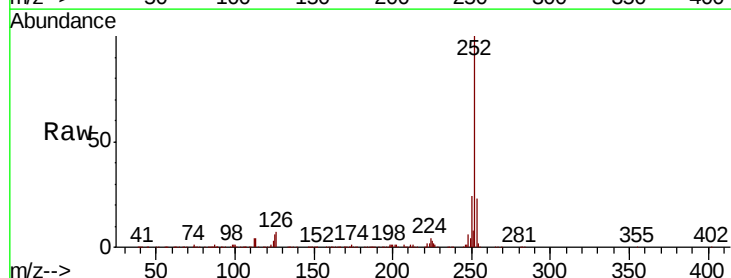
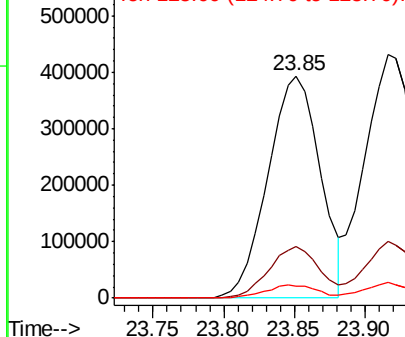
|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 252   | Resp: | 1018482 |
| Ion Ratio | Lower | Upper |         |
| 252       | 100   |       |         |
| 253       | 23.3  | 17.4  | 26.2    |
| 125       | 5.6   | 5.0   | 7.6     |

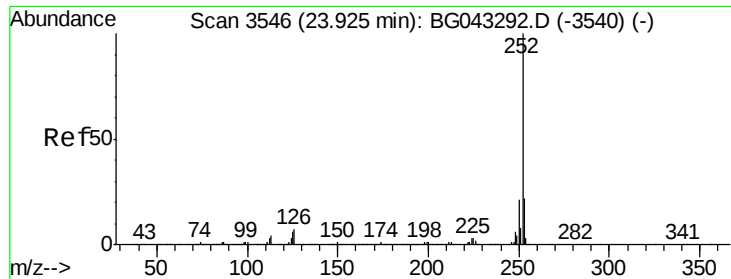
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 54.451 ng

RT: 23.92 min Scan# 3545

Delta R.T. -0.01 min

Lab File: BG043317.D

Acq: 23 Oct 2019 20:36

Instrument :

BNA\_G

ClientSampleId :

BU-03-102119MSD

Tot Ion:252 Resp: 1075885

Ion Ratio Lower Upper

252 100

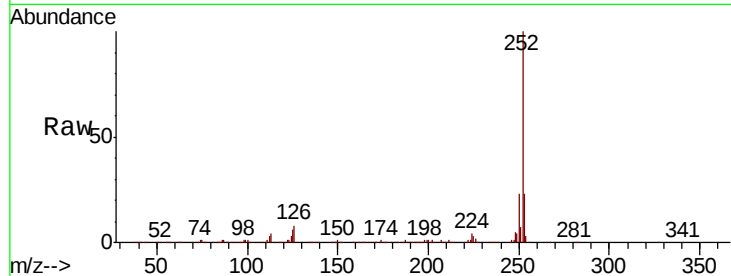
253 23.3 17.6 26.4

125 6.4 4.5 6.7

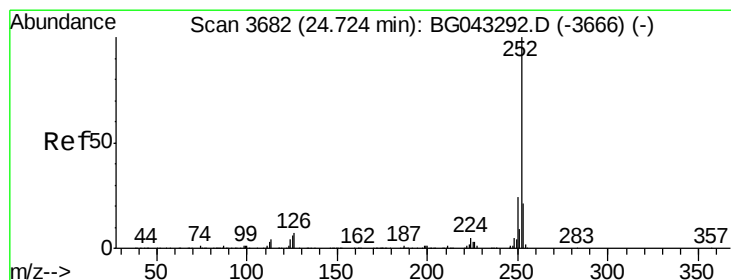
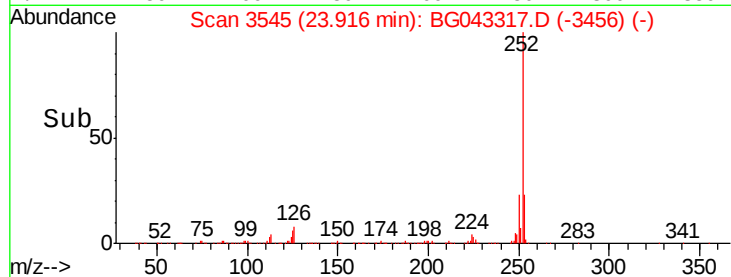
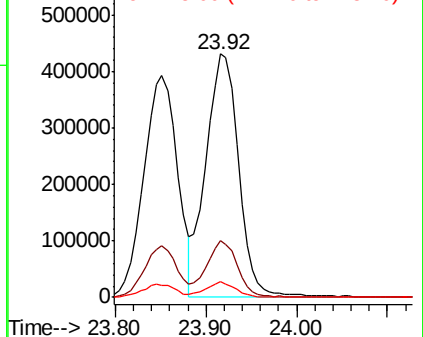
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Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 50.945 ng

RT: 24.72 min Scan# 3681

Delta R.T. -0.01 min

Lab File: BG043317.D

Acq: 23 Oct 2019 20:36

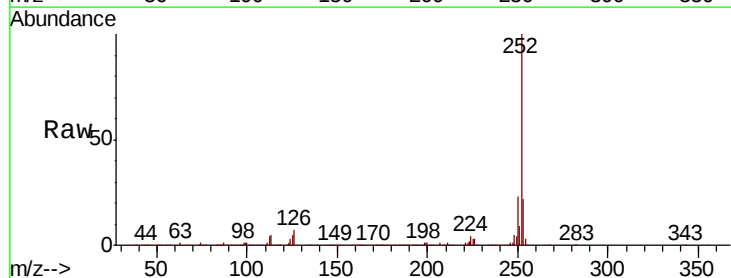
Tgt Ion:252 Resp: 954822

Ion Ratio Lower Upper

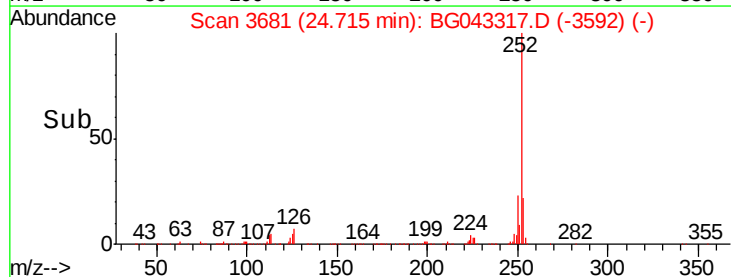
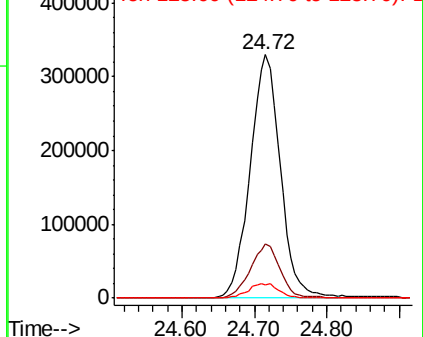
252 100

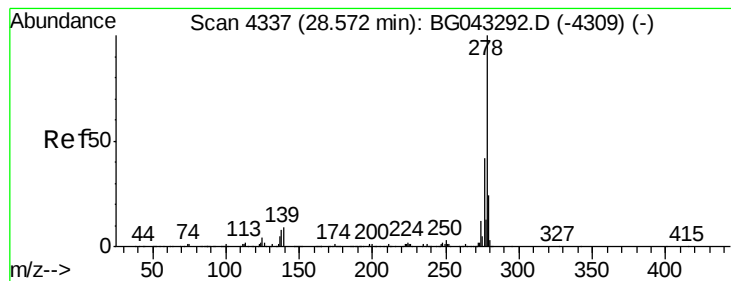
253 22.1 17.2 25.8

125 5.4 5.0 7.6



Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 54.052 ng

RT: 28.57 min Scan# 4337

Delta R.T. -0.00 min

Lab File: BG043317.D

Acq: 23 Oct 2019 20:36

Instrument :

BNA\_G

ClientSampleId :

BU-03-102119MSD

Tot Ion:278 Resp: 1036204

Ion Ratio Lower Upper

278 100

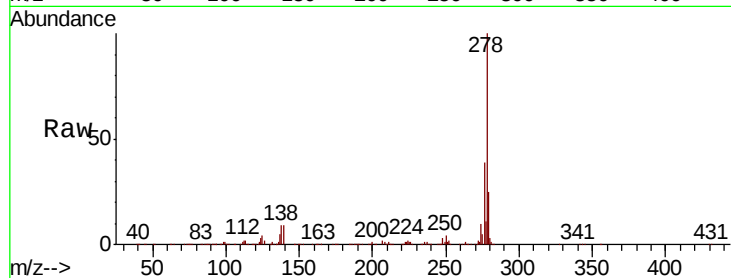
139 9.2 6.8 10.2

279 24.9 19.0 28.6

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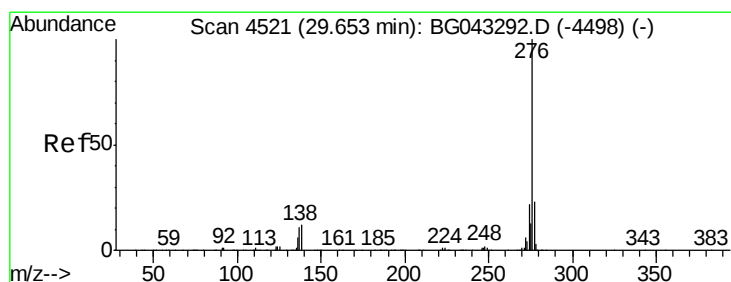
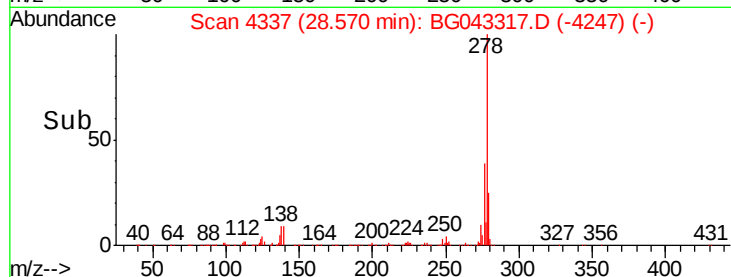
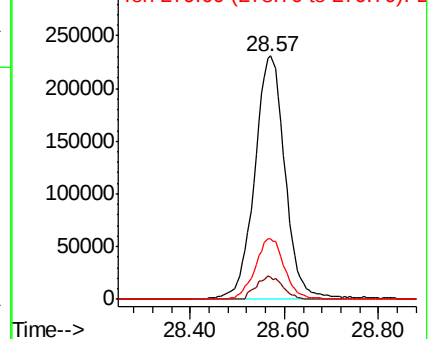


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 53.628 ng

RT: 29.65 min Scan# 4521

Delta R.T. -0.00 min

Lab File: BG043317.D

Acq: 23 Oct 2019 20:36

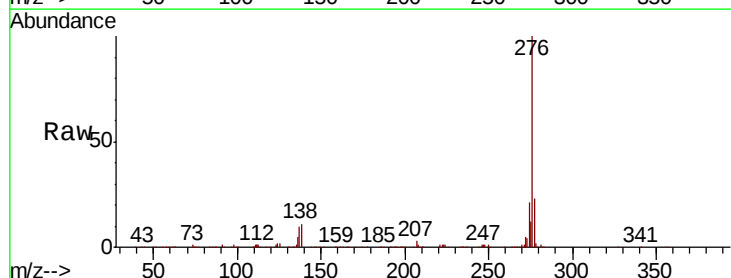
Tgt Ion:276 Resp: 1014097

Ion Ratio Lower Upper

276 100

277 22.8 18.3 27.5

138 10.9 9.3 13.9



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

