

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG072518\  
 Data File : BG035870.D  
 Acq On : 25 Jul 2018 12:36  
 Operator : JU/SJ  
 Sample : J3762-09  
 Misc : MDL 2PPM  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MDL-WATER-03-QT3-2018

Manual Integrations  
 APPROVED

Sohil  
 7/26/2018 4:59:25 PM

Quant Time: Jul 25 15:16:20 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 25 11:04:14 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.03  | 152  | 39383    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.83 | 136  | 146510   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 14.65 | 164  | 103941   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 17.39 | 188  | 281167   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 21.66 | 240  | 298051   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 24.85 | 264  | 285153   | 20.00 | ng    | 0.00     |

|                             |       |     |         |        |    |      |
|-----------------------------|-------|-----|---------|--------|----|------|
| System Monitoring Compounds |       |     |         |        |    |      |
| 5) 2-Fluorophenol           | 5.61  | 112 | 297542  | 125.43 | ng | 0.00 |
| 7) Phenol-d6                | 7.19  | 99  | 414459  | 117.11 | ng | 0.00 |
| 23) Nitrobenzene-d5         | 9.19  | 82  | 293100  | 83.57  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol    | 16.14 | 330 | 187651  | 136.97 | ng | 0.00 |
| 44) 2-Fluorobiphenyl        | 13.27 | 172 | 690503  | 89.00  | ng | 0.00 |
| 78) Terphenyl-d14           | 20.00 | 244 | 1424774 | 105.37 | ng | 0.00 |

|                                |       |     |        |        |    |      |
|--------------------------------|-------|-----|--------|--------|----|------|
| Target Compounds               |       |     |        | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.54  | 88  | 3517   | 2.913  | ng | # 18 |
| 3) Pyridine                    | 3.96  | 79  | 3047   | 0.967  | ng | # 86 |
| 4) n-Nitrosodimethylamine      | 3.85  | 42  | 2114   | 1.562  | ng | # 86 |
| 6) Aniline                     | 7.36  | 93  | 5038   | 1.098  | ng | # 77 |
| 8) 2-Chlorophenol              | 7.59  | 128 | 4563   | 1.891  | ng | # 72 |
| 9) Benzaldehyde                | 7.18  | 77  | 5301   | 2.441  | ng | # 83 |
| 10) Phenol                     | 7.21  | 94  | 6629   | 1.854  | ng | # 1  |
| 11) bis(2-Chloroethyl)ether    | 7.45  | 93  | 4517   | 1.613  | ng | # 91 |
| 12) 1,3-Dichlorobenzene        | 7.92  | 146 | 5999   | 2.059  | ng | # 88 |
| 13) 1,4-Dichlorobenzene        | 8.07  | 146 | 5594   | 1.890  | ng | # 97 |
| 14) 1,2-Dichlorobenzene        | 8.38  | 146 | 5810m  | 2.043  | ng | #    |
| 15) Benzyl Alcohol             | 8.28  | 79  | 3842   | 1.195  | ng | # 90 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.56  | 45  | 5653   | 2.408  | ng | # 79 |
| 17) 2-Methylphenol             | 8.48  | 107 | 4177   | 1.718  | ng | # 81 |
| 18) Hexachloroethane           | 9.11  | 117 | 2440   | 2.156  | ng | # 71 |
| 19) n-Nitroso-di-n-propylamine | 8.83  | 70  | 4364   | 1.464  | ng | # 74 |
| 20) 3+4-Methylphenols          | 8.82  | 107 | 4772m  | 1.415  | ng | #    |
| 22) Acetophenone               | 8.85  | 105 | 7730   | 1.697  | ng | # 96 |
| 24) Nitrobenzene               | 9.23  | 77  | 6690   | 1.897  | ng | # 84 |
| 25) Isophorone                 | 9.76  | 82  | 11385  | 1.749  | ng | # 92 |
| 26) 2-Nitrophenol              | 9.96  | 139 | 1928   | 1.539  | ng | # 92 |
| 27) 2,4-Dimethylphenol         | 10.02 | 122 | 3942   | 1.859  | ng | # 80 |
| 28) bis(2-Chloroethoxy)methane | 10.26 | 93  | 5154   | 1.437  | ng | # 80 |
| 29) 2,4-Dichlorophenol         | 10.54 | 162 | 3614   | 1.493  | ng | # 66 |
| 30) 1,2,4-Trichlorobenzene     | 10.70 | 180 | 6235   | 2.101  | ng | # 76 |
| 31) Naphthalene                | 10.88 | 128 | 14154  | 1.855  | ng | # 94 |
| 33) 4-Chloroaniline            | 11.02 | 127 | 3413   | 1.026  | ng | # 90 |
| 34) Hexachlorobutadiene        | 11.17 | 225 | 4961   | 2.144  | ng | # 78 |
| 36) 4-Chloro-3-methylphenol    | 12.13 | 107 | 4214   | 1.299  | ng | # 79 |
| 37) 2-Methylnaphthalene        | 12.49 | 142 | 11852m | 2.084  | ng | #    |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.85 | 216 | 8340   | 2.126  | ng | # 97 |
| 40) Hexachlorocyclopentadiene  | 12.83 | 237 | 1582   | 0.769  | ng | # 71 |
| 42) 2,4,6-Trichlorophenol      | 13.11 | 196 | 3950   | 1.722  | ng | # 81 |
| 43) 2,4,5-Trichlorophenol      | 13.20 | 196 | 4415   | 1.720  | ng | # 65 |

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG072518\  
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 Sample : J3762-09  
 Misc : MDL 2PPM  
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Instrument :  
 BNA\_G  
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 MDL-WATER-03-QT3-2018

Manual Integrations  
 APPROVED

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 7/26/2018 4:59:25 PM

Quant Time: Jul 25 15:16:20 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 25 11:04:14 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 45) 1,1'-Biphenyl              | 13.49 | 154  | 16805    | 2.085 | nq    | 88       |
| 46) 2-Chloronaphthalene        | 13.53 | 162  | 12932    | 2.063 | nq    | # 88     |
| 47) 2-Nitroaniline             | 13.75 | 65   | 3298     | 1.488 | nq    | # 63     |
| 48) Acenaphthylene             | 14.38 | 152  | 20037    | 1.908 | nq    | # 94     |
| 49) Dimethylphthalate          | 14.10 | 163  | 17300    | 1.900 | nq    | # 96     |
| 50) 2,6-Dinitrotoluene         | 14.23 | 165  | 3149     | 1.698 | nq    | # 90     |
| 51) Acenaphthene               | 14.71 | 154  | 11763    | 1.798 | nq    | 92       |
| 52) 3-Nitroaniline             | 14.61 | 138  | 1830     | 0.965 | nq    | # 59     |
| 54) Dibenzofuran               | 15.05 | 168  | 21197    | 2.038 | nq    | 99       |
| 56) 2,4-Dinitrotoluene         | 15.03 | 165  | 4138     | 1.555 | nq    | # 77     |
| 57) Fluorene                   | 15.70 | 166  | 16465    | 1.888 | nq    | # 99     |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.29 | 232  | 3751     | 1.524 | nq    | # 68     |
| 59) Diethylphthalate           | 15.46 | 149  | 18019    | 1.924 | nq    | 93       |
| 60) 4-Chlorophenyl-phenylether | 15.68 | 204  | 10287    | 2.007 | nq    | # 91     |
| 61) 4-Nitroaniline             | 15.78 | 138  | 988m     | 0.498 | nq    |          |
| 62) Azobenzene                 | 15.98 | 77   | 16133    | 1.747 | nq    | 89       |
| 64) 4,6-Dinitro-2-methylphenol | 15.78 | 198  | 54       | 0.035 | nq    | # 29     |
| 65) n-Nitrosodiphenylamine     | 15.91 | 169  | 13799    | 1.724 | nq    | # 94     |
| 66) 4-Bromophenyl-phenylether  | 16.58 | 248  | 6433     | 1.972 | nq    | 93       |
| 67) Hexachlorobenzene          | 16.71 | 284  | 7043     | 2.097 | nq    | # 88     |
| 68) Atrazine                   | 16.85 | 200  | 6040     | 1.833 | nq    | 90       |
| 70) Phenanthrene               | 17.43 | 178  | 28800m   | 2.053 | nq    |          |
| 71) Anthracene                 | 17.53 | 178  | 28386    | 2.032 | nq    | 94       |
| 72) Carbazole                  | 17.81 | 167  | 21454    | 1.617 | nq    | 96       |
| 73) Di-n-butylphthalate        | 18.35 | 149  | 25042    | 1.597 | nq    | 97       |
| 74) Fluoranthene               | 19.44 | 202  | 36597    | 1.937 | nq    | 96       |
| 76) Benzidine                  | 19.67 | 184  | 2208     | 0.282 | nq    | 95       |
| 77) Pvrene                     | 19.81 | 202  | 36643    | 1.944 | nq    | # 94     |
| 79) Butylbenzylphthalate       | 20.68 | 149  | 11328    | 1.681 | nq    | 95       |
| 80) Benzo(a)anthracene         | 21.63 | 228  | 38151m   | 2.054 | nq    |          |
| 81) 3,3'-Dichlorobenzidine     | 21.58 | 252  | 8537     | 1.318 | nq    | # 97     |
| 82) Chrysene                   | 21.70 | 228  | 34920    | 2.029 | nq    | 96       |
| 83) Bis(2-ethylhexyl)phthalate | 21.53 | 149  | 16121    | 1.759 | nq    | # 96     |
| 84) Di-n-octyl phthalate       | 22.74 | 149  | 28315    | 1.846 | nq    | # 75     |
| 85) Indeno(1,2,3-cd)pvrene     | 28.50 | 276  | 35447m   | 1.860 | nq    |          |
| 87) Benzo(b)fluoranthene       | 23.84 | 252  | 33917    | 1.957 | nq    | 96       |
| 88) Benzo(k)fluoranthene       | 23.91 | 252  | 33776m   | 1.993 | nq    |          |
| 89) Benzo(a)pyrene             | 24.71 | 252  | 31336    | 1.943 | nq    | 94       |
| 90) Dibenzo(a,h)anthracene     | 28.56 | 278  | 26665m   | 1.685 | nq    |          |
| 91) Benzo(g,h,i)perylene       | 29.62 | 276  | 30278m   | 1.955 | nq    |          |

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





#1

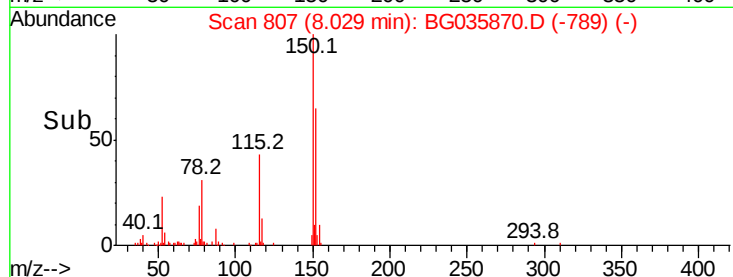
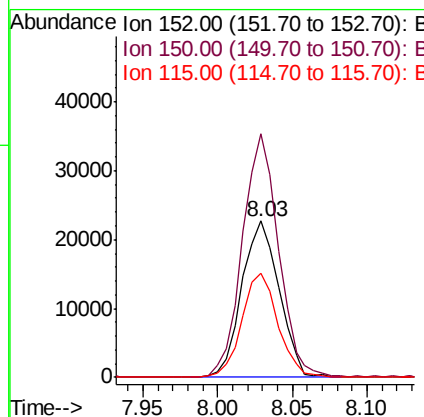
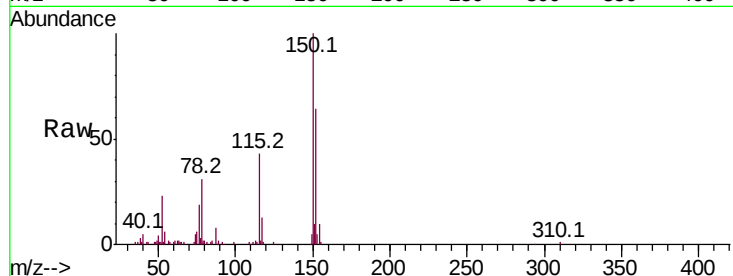
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.03 min Scan# 807  
Delta R.T. 0.00 min  
Lab File: BG035870.D  
Acq: 25 Jul 2018 12:36

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-WATER-03-QT3-2018

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 156.0 | 126.6 | 189.8 |
| 115     | 66.4  | 53.0  | 79.4  |

Manual Integrations  
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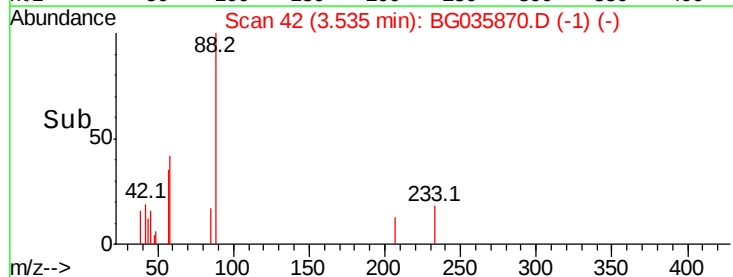
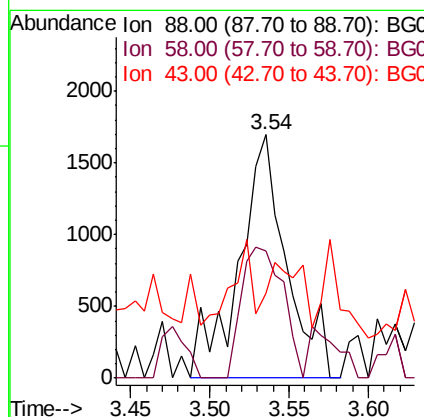
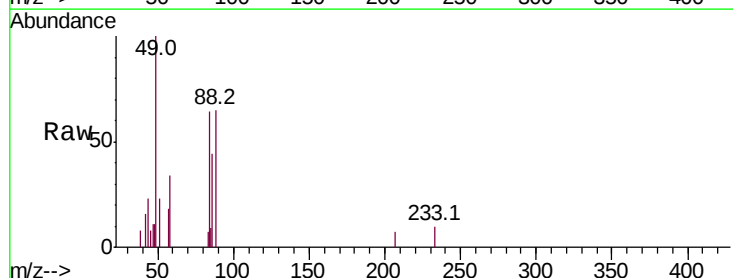
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#2

1,4-Dioxane  
Concen: 2.913 ng  
RT: 3.54 min Scan# 42  
Delta R.T. 0.01 min  
Lab File: BG035870.D  
Acq: 25 Jul 2018 12:36

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 88      | 100   |       |        |
| 58      | 0.0   | 79.6  | 119.4# |
| 43      | 16.5  | 27.4  | 41.0#  |





#3

Pvridine

Concen: 0.967 ng

RT: 3.96 min Scan# 115

Delta R.T. 0.05 min

Lab File: BG035870.D

Acq: 25 Jul 2018 12:36

Instrument :

BNA\_G

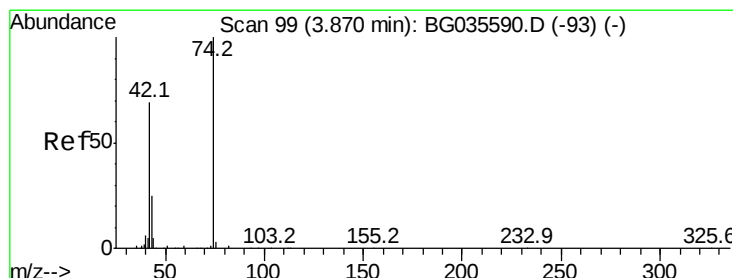
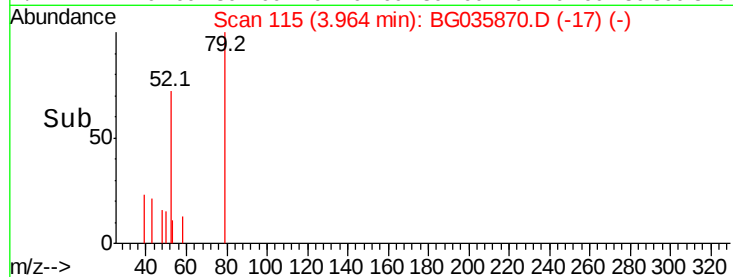
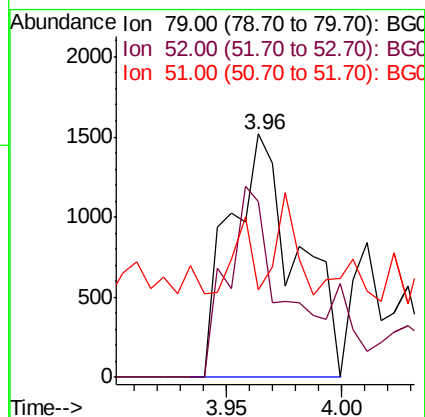
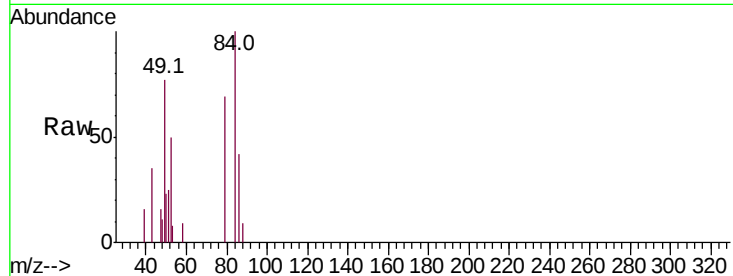
ClientSampleId :

MDL-WATER-03-QT3-2018

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 79    | Resp: | 3047  |
| Ion Ratio | Lower | Upper |       |
| 79        | 100   |       |       |
| 52        | 72.3  | 69.9  | 104.9 |
| 51        | 35.7  | 34.0  | 51.0  |

Manual Integrations  
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#4

n-Nitrosodimethylamine

Concen: 1.562 ng

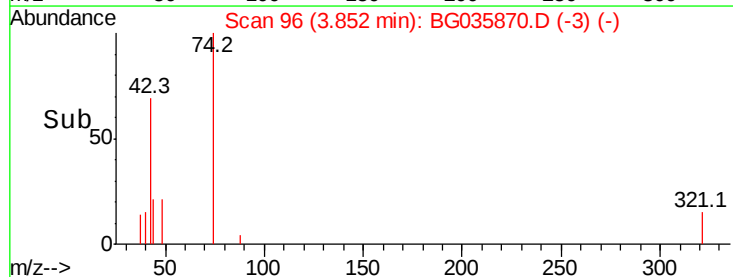
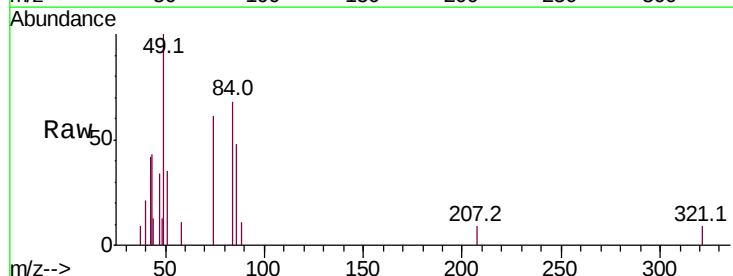
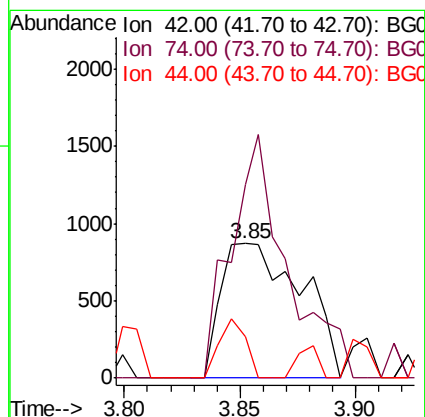
RT: 3.85 min Scan# 96

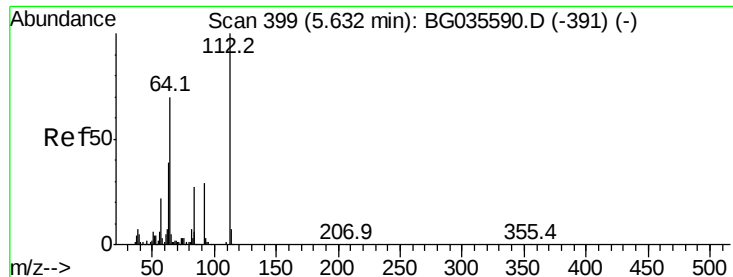
Delta R.T. 0.02 min

Lab File: BG035870.D

Acq: 25 Jul 2018 12:36

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 42    | Resp: | 2114  |
| Ion Ratio | Lower | Upper |       |
| 42        | 100   |       |       |
| 74        | 144.3 | 102.5 | 153.7 |
| 44        | 30.5  | 18.9  | 28.3# |





#5

2-Fluorophenol

Concen: 125.432 ng

RT: 5.61 min Scan# 395

Delta R.T. 0.00 min

Lab File: BG035870.D

Acq: 25 Jul 2018 12:36

Instrument :

BNA\_G

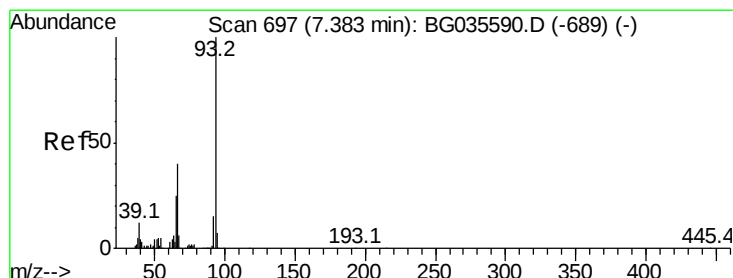
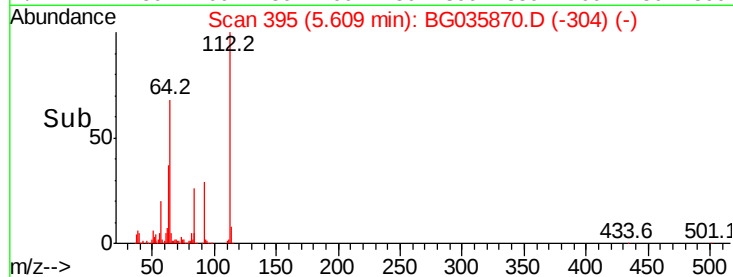
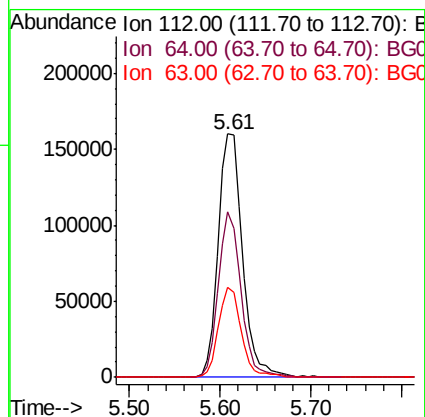
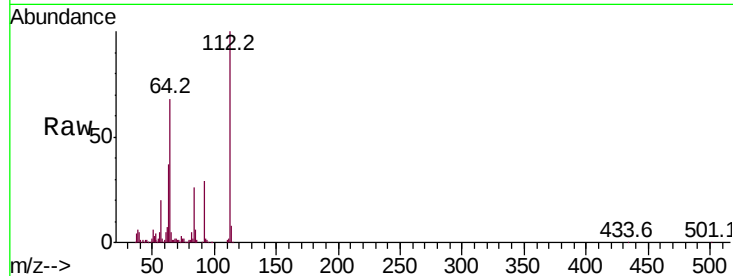
ClientSampleId :

MDL-WATER-03-QT3-2018

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 112     | 100   | 297542 |       |       |
| 64      | 67.8  | 56.3   | 84.5  |       |
| 63      | 36.8  | 30.1   | 45.1  |       |

Manual Integrations  
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#6

Aniline

Concen: 1.098 ng

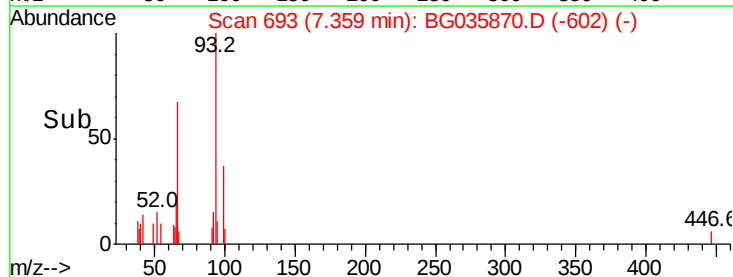
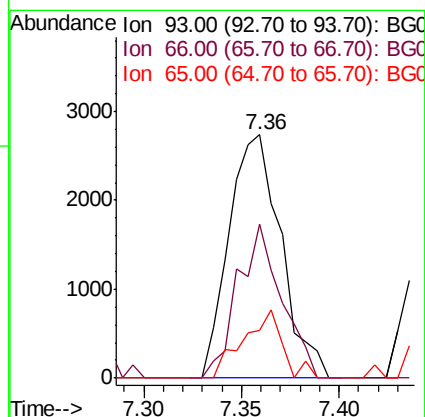
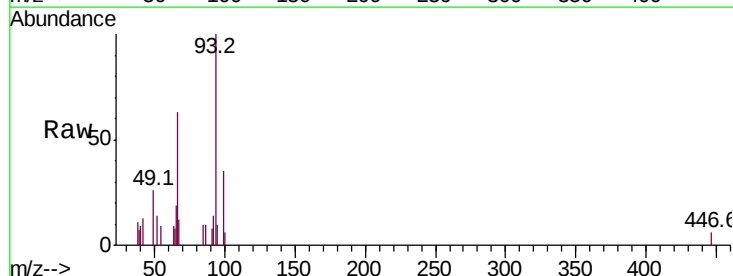
RT: 7.36 min Scan# 693

Delta R.T. 0.00 min

Lab File: BG035870.D

Acq: 25 Jul 2018 12:36

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 93      | 100   | 5038 |       |       |
| 66      | 63.2  | 33.7 | 50.5# |       |
| 65      | 19.5  | 16.1 | 24.1  |       |





#7

Phenol-d6

Concen: 117.105 ng

RT: 7.19 min Scan# 665

Delta R.T. -0.00 min

Lab File: BG035870.D

Acq: 25 Jul 2018 12:36

Instrument :

BNA\_G

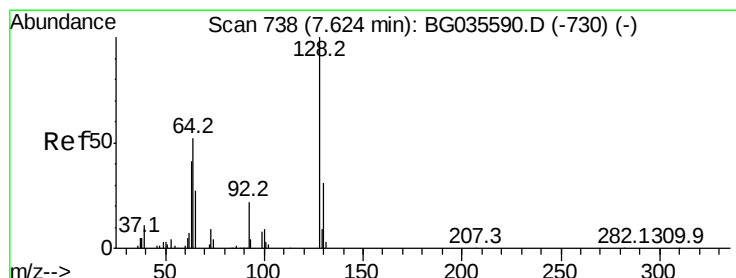
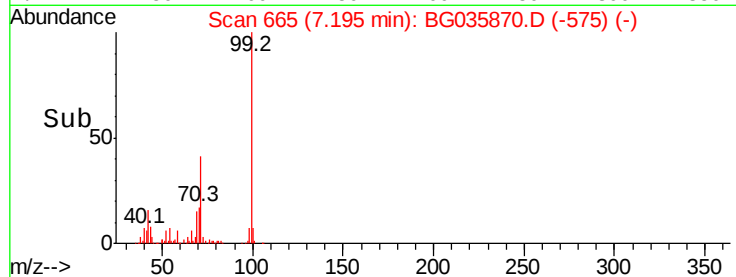
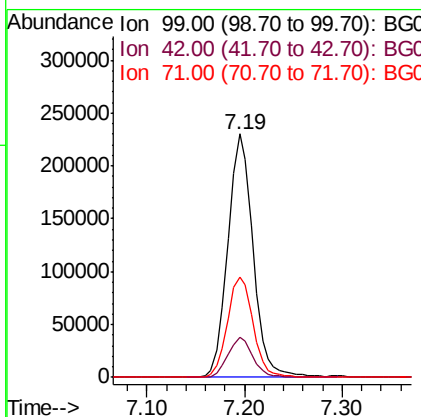
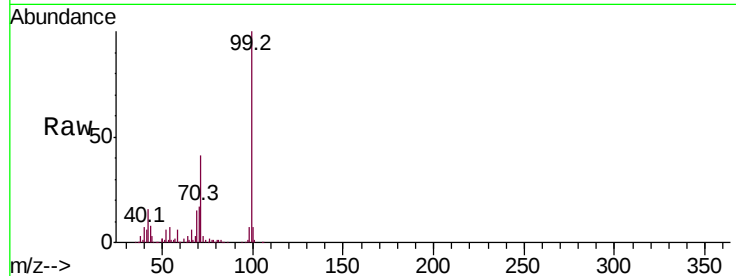
ClientSampleId :

MDL-WATER-03-QT3-2018

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 99      | 100   | 414459 |       |       |
| 42      | 16.5  | 14.1   | 21.1  |       |
| 71      | 41.2  | 26.1   | 39.1  |       |

Manual Integrations  
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#8

2-Chlorophenol

Concen: 1.891 ng

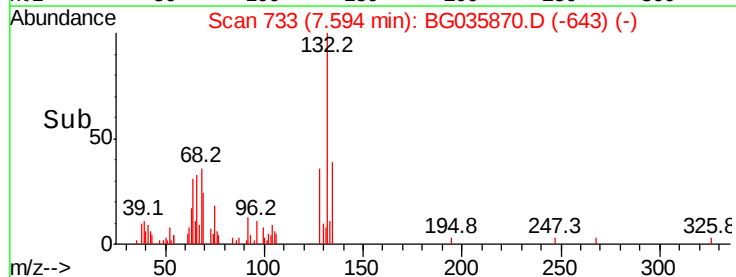
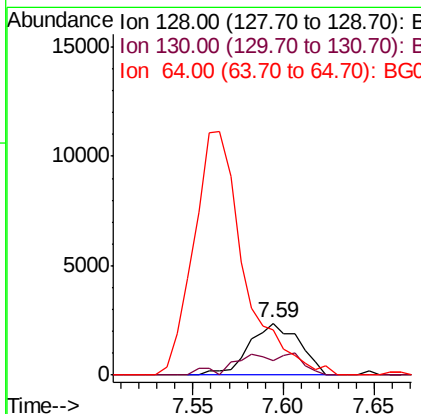
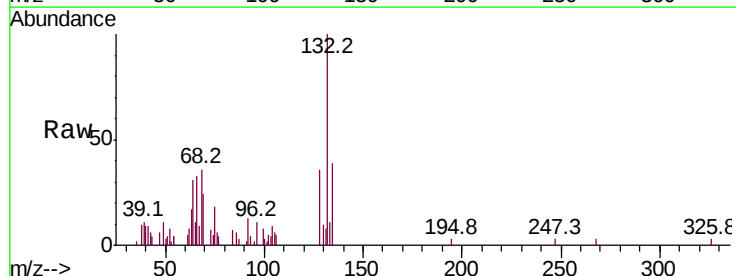
RT: 7.59 min Scan# 733

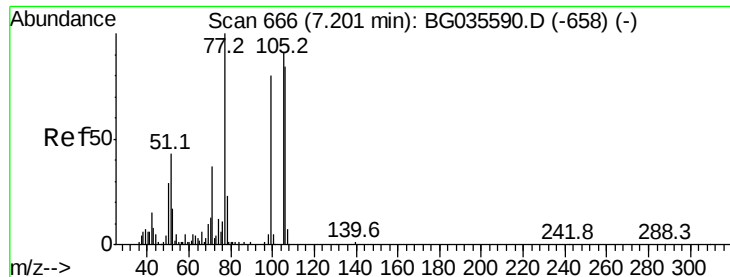
Delta R.T. -0.00 min

Lab File: BG035870.D

Acq: 25 Jul 2018 12:36

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 128     | 100   | 4563 |       |       |
| 130     | 28.8  | 14.0 | 54.0  |       |
| 64      | 86.2  | 37.7 | 77.7  |       |





#9

Benzaldehyde

Concen: 2.441 ng

RT: 7.18 min Scan# 662

Delta R.T. 0.01 min

Lab File: BG035870.D

Acq: 25 Jul 2018 12:36

Instrument :

BNA\_G

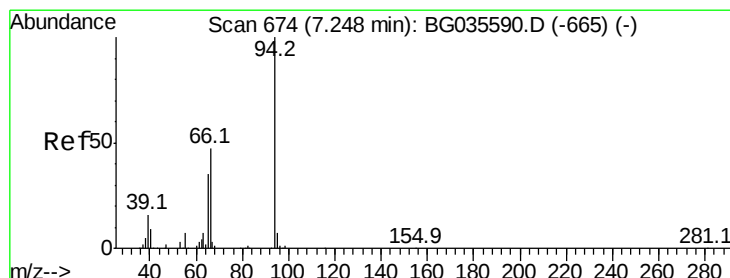
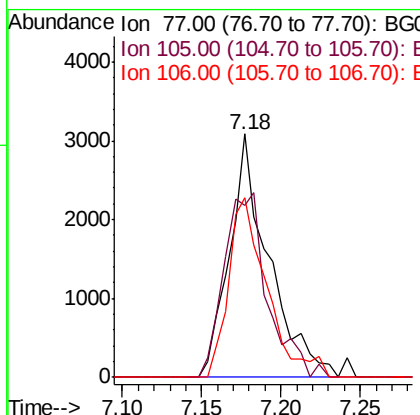
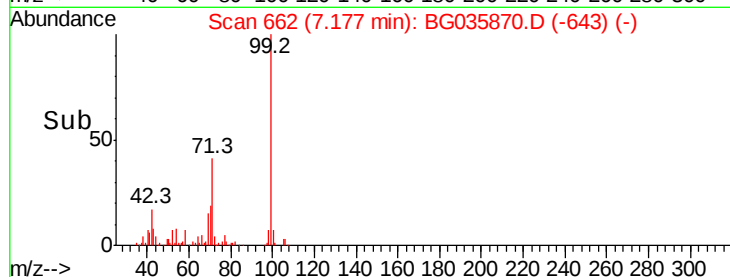
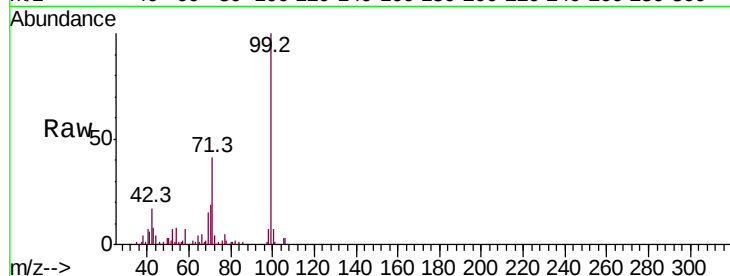
ClientSampleId :

MDL-WATER-03-QT3-2018

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 77    | Resp: | 5301   |
| Ion Ratio | Lower | Upper |        |
| 77        | 100   |       |        |
| 105       | 70.9  | 71.3  | 111.3# |
| 106       | 73.9  | 64.2  | 104.2  |

Manual Integrations  
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#10

Phenol

Concen: 1.854 ng

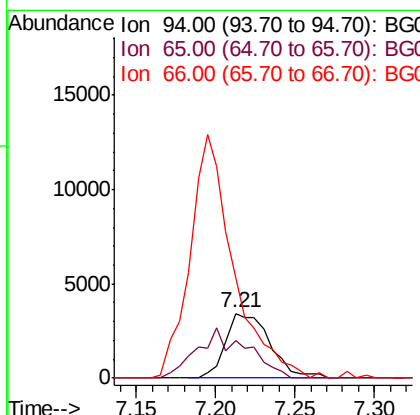
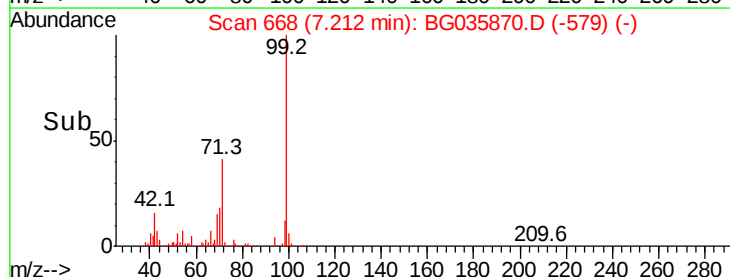
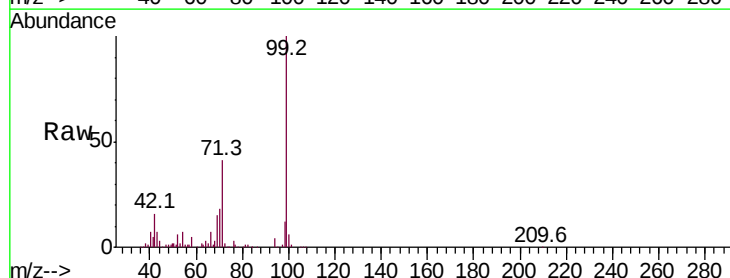
RT: 7.21 min Scan# 668

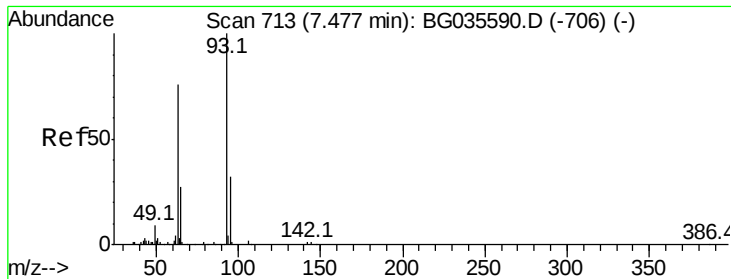
Delta R.T. -0.01 min

Lab File: BG035870.D

Acq: 25 Jul 2018 12:36

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 94    | Resp: | 6629  |
| Ion Ratio | Lower | Upper |       |
| 94        | 100   |       |       |
| 65        | 57.5  | 11.9  | 51.9# |
| 66        | 155.8 | 22.2  | 62.2# |





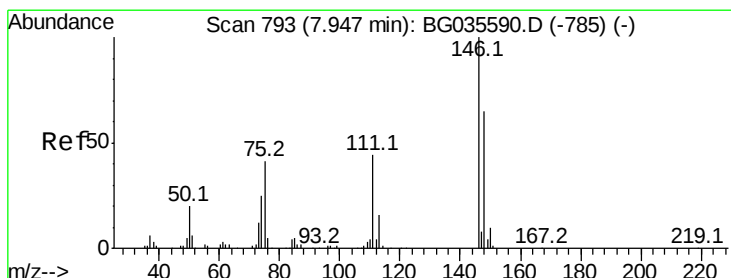
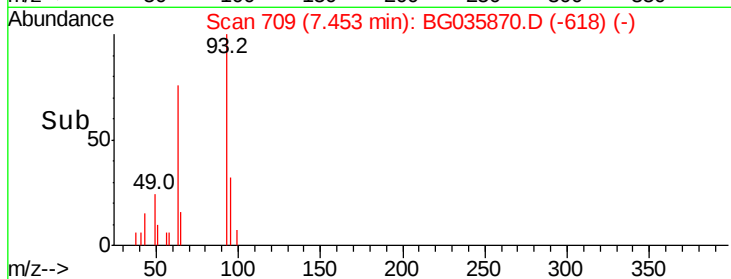
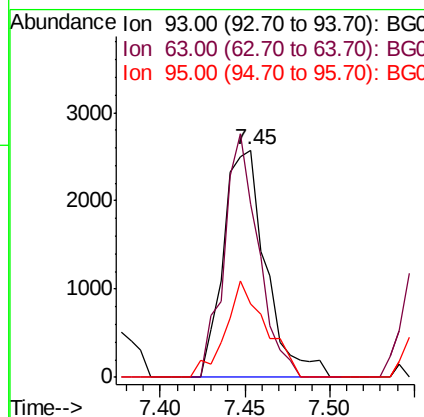
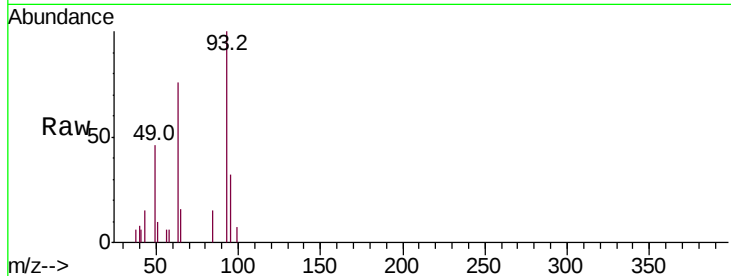
#11  
bis(2-Chloroethyl)ether  
Concen: 1.613 ng  
RT: 7.45 min Scan# 709  
Delta R.T. 0.00 min  
Lab File: BG035870.D  
Acq: 25 Jul 2018 12:36

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-WATER-03-QT3-2018

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 63      | 76.4  | 67.1  | 107.1 |
| 95      | 32.3  | 11.5  | 51.5  |

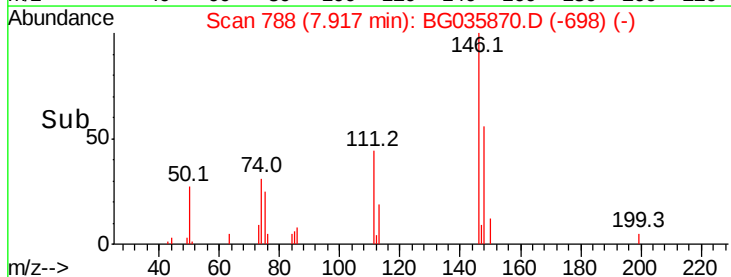
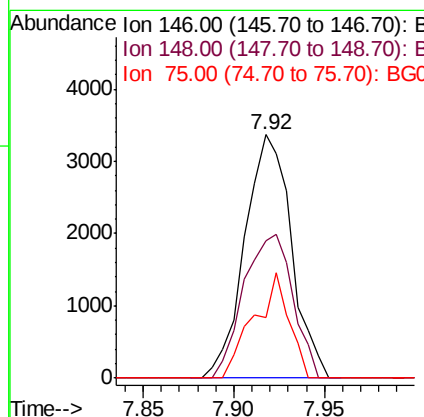
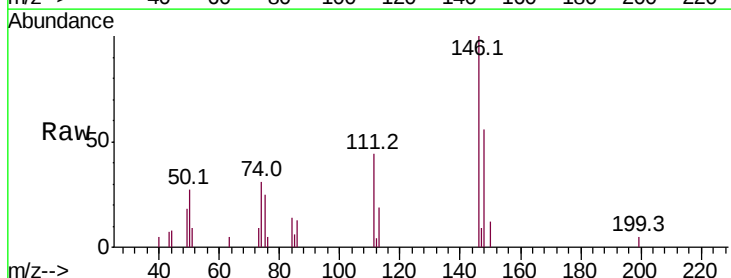
Manual Integrations  
APPROVED

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#12  
1,3-Dichlorobenzene  
Concen: 2.059 ng  
RT: 7.92 min Scan# 788  
Delta R.T. -0.00 min  
Lab File: BG035870.D  
Acq: 25 Jul 2018 12:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 56.3  | 51.4  | 77.2  |
| 75      | 24.7  | 26.6  | 39.8# |





#13

1,4-Dichlorobenzene

Concen: 1.890 ng

RT: 8.07 min Scan# 814

Delta R.T. 0.00 min

Lab File: BG035870.D

Acq: 25 Jul 2018 12:36

Instrument :

BNA\_G

ClientSampleId :

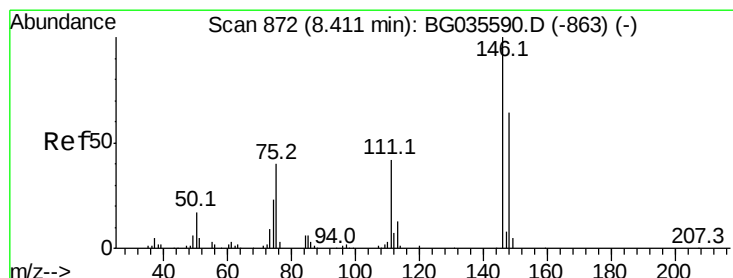
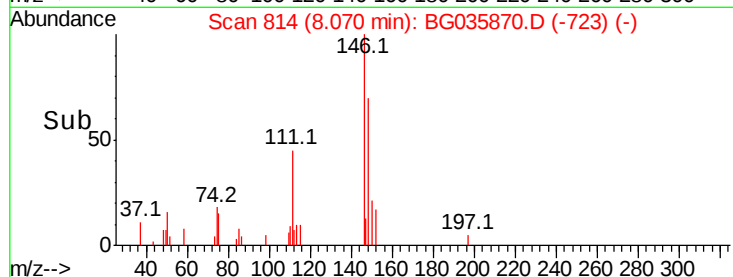
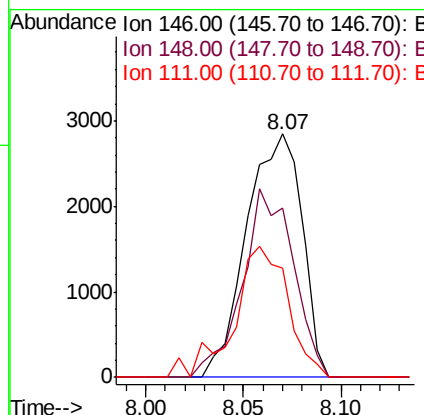
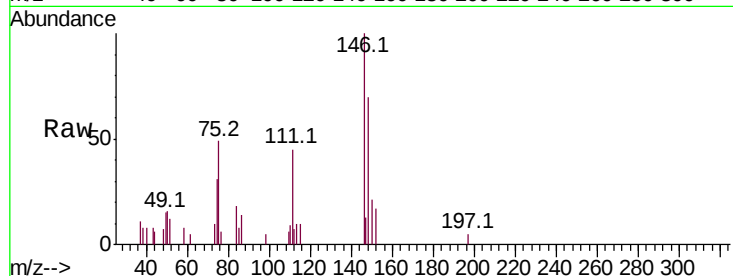
MDL-WATER-03-QT3-2018

|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 146   | Resp: | 5594 |
| Ion Ratio | Lower | Upper |      |
| 146       | 100   |       |      |
| 148       | 69.8  | 53.7  | 80.5 |
| 111       | 45.0  | 35.2  | 52.8 |

Manual Integrations  
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#14

1,2-Dichlorobenzene

Concen: 2.043 ng m

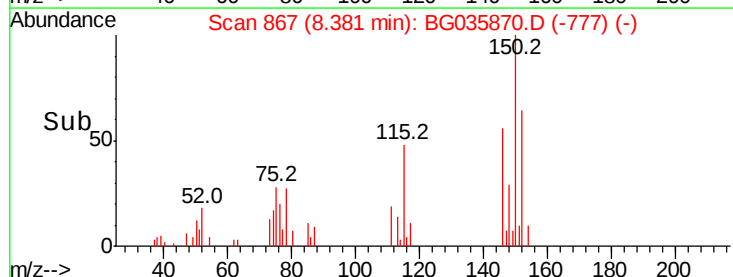
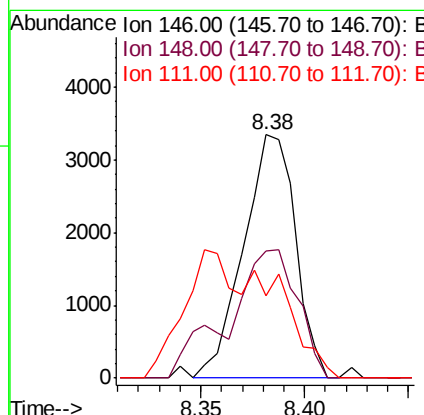
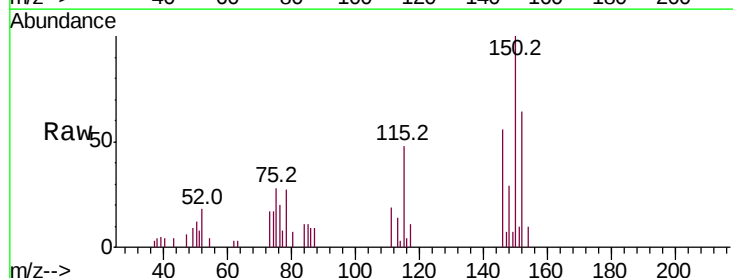
RT: 8.38 min Scan# 867

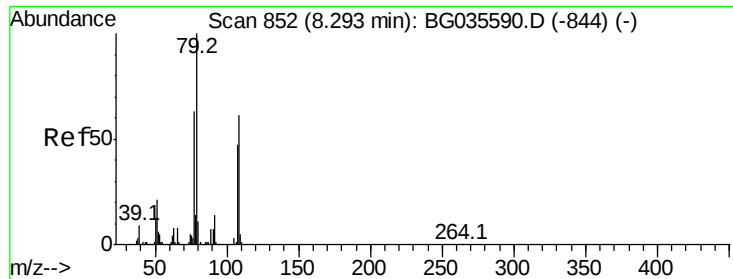
Delta R.T. -0.00 min

Lab File: BG035870.D

Acq: 25 Jul 2018 12:36

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 146   | Resp: | 5810  |
| Ion Ratio | Lower | Upper |       |
| 146       | 100   |       |       |
| 148       | 52.3  | 49.3  | 73.9  |
| 111       | 34.1  | 34.3  | 51.5# |





#15

Benzyl Alcohol

Concen: 1.195 ng

RT: 8.28 min Scan# 850

Delta R.T. 0.02 min

Lab File: BG035870.D

Acq: 25 Jul 2018 12:36

Instrument :

BNA\_G

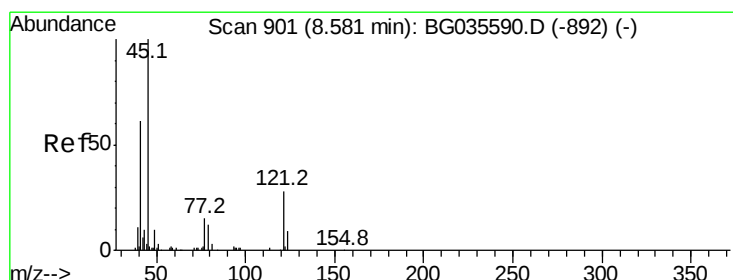
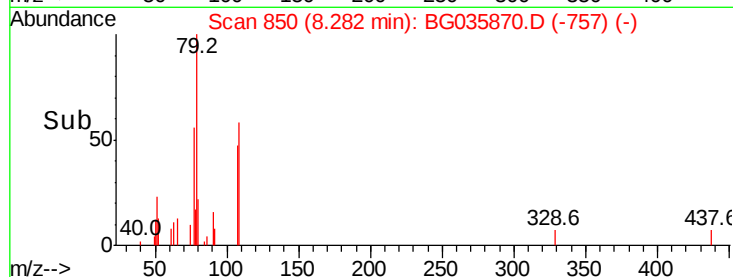
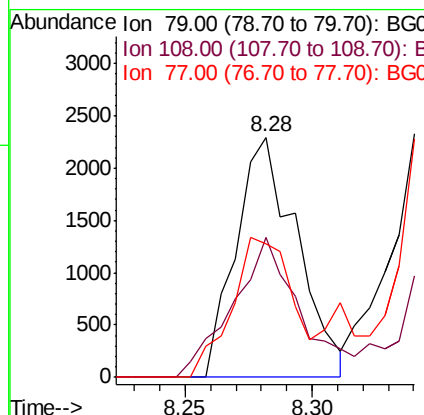
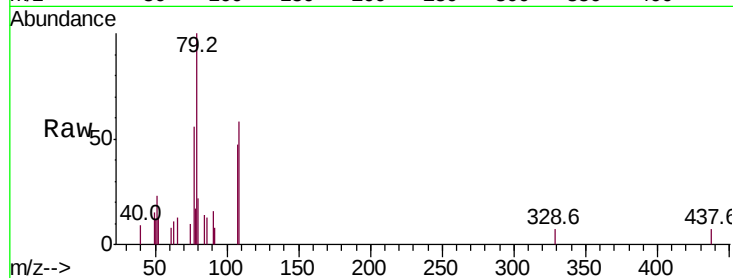
ClientSampleId :

MDL-WATER-03-QT3-2018

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 79    | Resp: | 3842  |
| Ion      | Ratio | Lower | Upper |
| 79       | 100   |       |       |
| 108      | 58.3  | 57.2  | 85.8  |
| 77       | 55.8  | 46.1  | 69.1  |

Manual Integrations  
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#16

2,2'-oxybis(1-chloropropane)

Concen: 2.408 ng

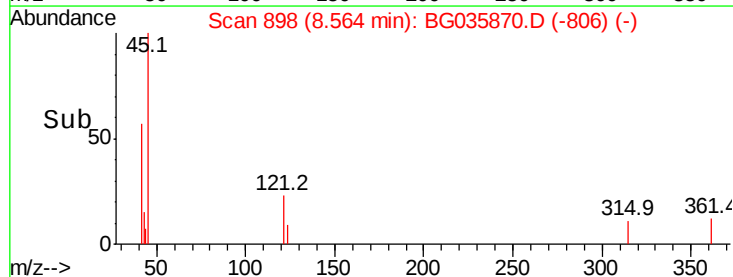
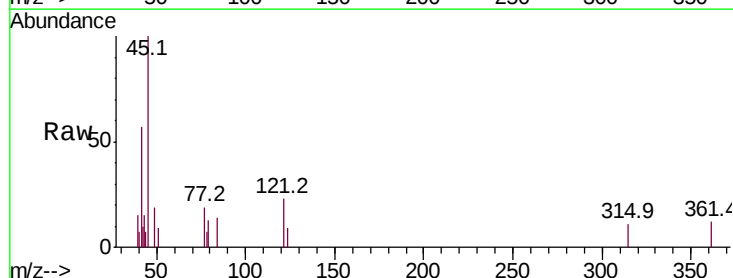
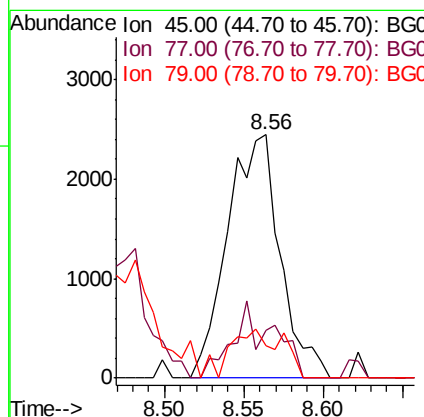
RT: 8.56 min Scan# 898

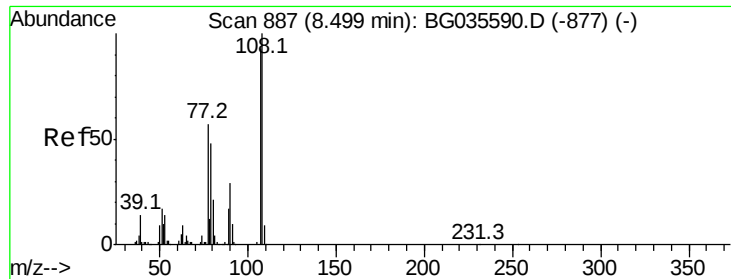
Delta R.T. 0.01 min

Lab File: BG035870.D

Acq: 25 Jul 2018 12:36

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 45    | Resp: | 5653  |
| Ion      | Ratio | Lower | Upper |
| 45       | 100   |       |       |
| 77       | 19.4  | 0.0   | 30.2  |
| 79       | 13.5  | 0.0   | 27.9  |





#17

2-Methylphenol

Concen: 1.718 ng

RT: 8.48 min Scan# 883

Delta R.T. 0.00 min

Lab File: BG035870.D

Acq: 25 Jul 2018 12:36

Instrument :

BNA\_G

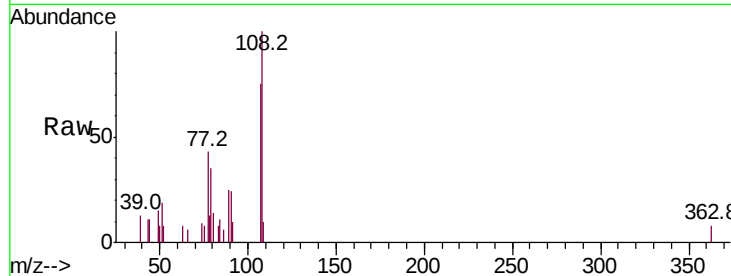
ClientSampleId :

MDL-WATER-03-QT3-2018

| Tot Ion | Ratio | Resp | Lower  | Upper |
|---------|-------|------|--------|-------|
| 107     | 100   |      |        |       |
| 108     | 132.8 | 83.9 | 125.9# |       |
| 77      | 57.4  | 37.2 | 55.8#  |       |
| 79      | 46.4  | 36.2 | 54.2   |       |

Manual Integrations  
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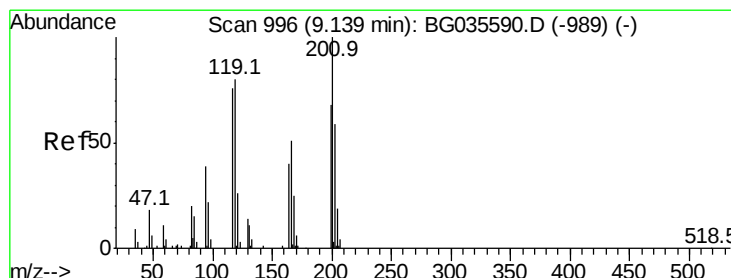
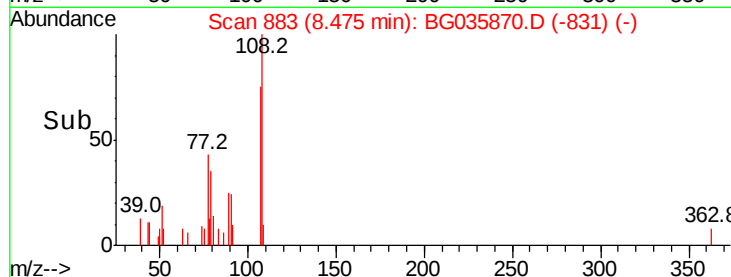
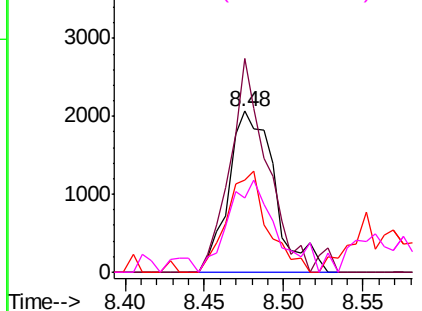
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC



#18

Hexachloroethane

Concen: 2.156 ng

RT: 9.11 min Scan# 991

Delta R.T. 0.00 min

Lab File: BG035870.D

Acq: 25 Jul 2018 12:36

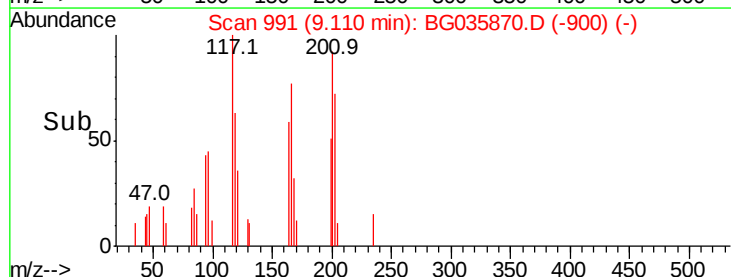
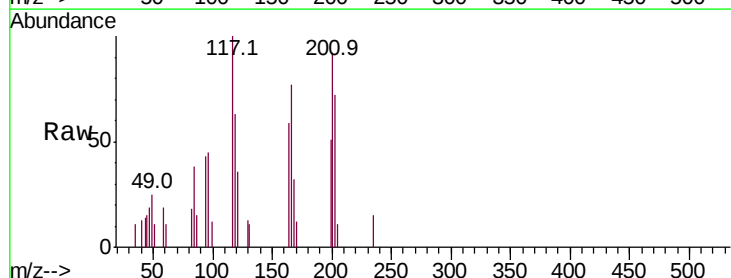
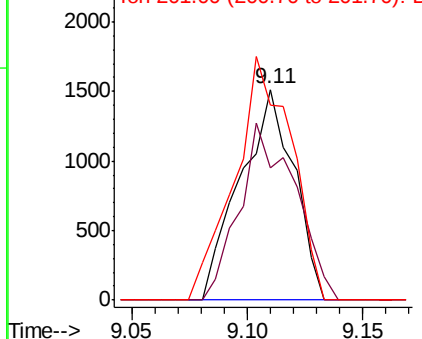
| Tgt Ion | Ratio | Resp | Lower  | Upper |
|---------|-------|------|--------|-------|
| 117     | 100   |      |        |       |
| 119     | 62.5  | 76.7 | 115.1# |       |
| 201     | 92.3  | 95.7 | 143.5# |       |

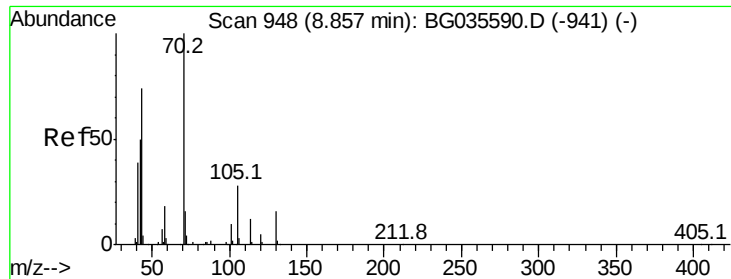
Abundance

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





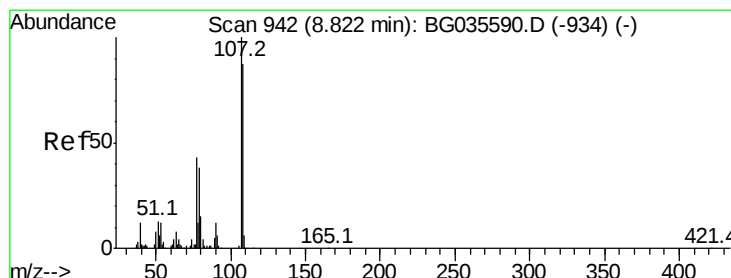
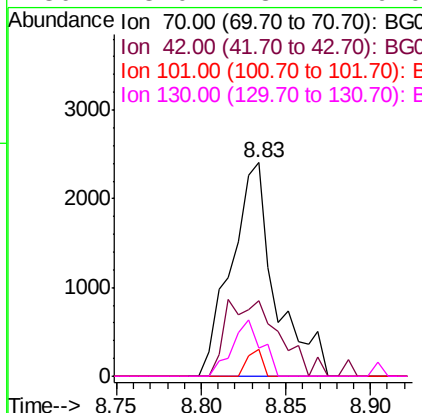
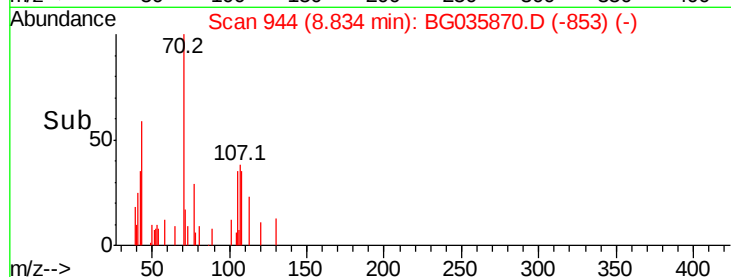
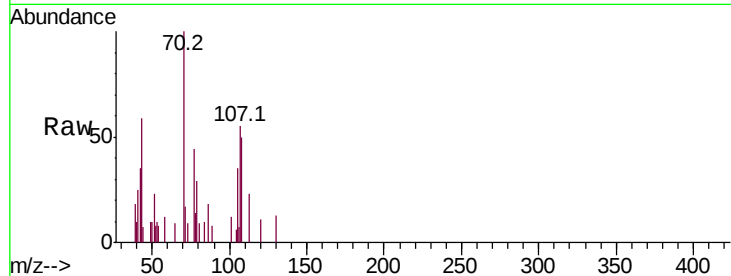
#19  
n-Nitroso-di-n-propylamine  
Concen: 1.464 ng  
RT: 8.83 min Scan# 944  
Delta R.T. 0.00 min  
Lab File: BG035870.D  
Acq: 25 Jul 2018 12:36

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-WATER-03-QT3-2018

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 70    | Resp: | 4364  |
| Ion Ratio | Lower | Upper |       |
| 70        | 100   |       |       |
| 42        | 35.3  | 49.1  | 73.7# |
| 101       | 12.4  | 8.5   | 12.7  |
| 130       | 13.0  | 13.4  | 20.0# |

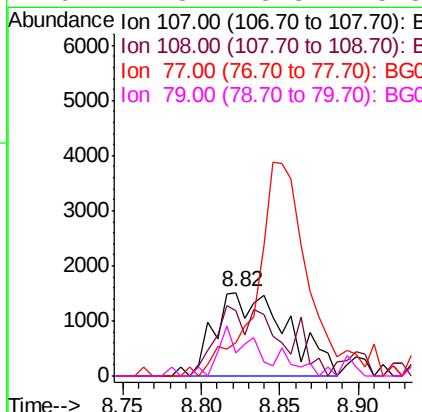
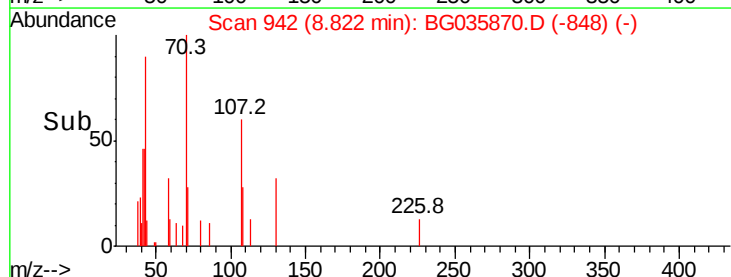
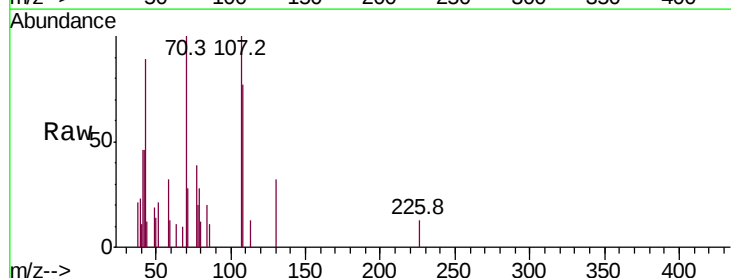
Manual Integrations  
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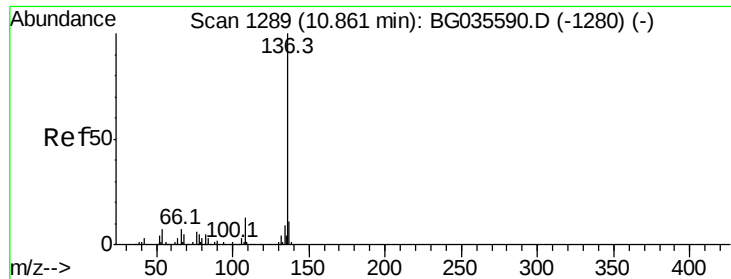
Sohil  
7/26/2018 4:59:25 PM



#20  
3+4-Methylphenols  
Concen: 1.415 ng m  
RT: 8.82 min Scan# 942  
Delta R.T. 0.02 min  
Lab File: BG035870.D  
Acq: 25 Jul 2018 12:36

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 107   | Resp: | 4772  |
| Ion Ratio | Lower | Upper |       |
| 107       | 100   |       |       |
| 108       | 77.3  | 61.6  | 101.6 |
| 77        | 39.4  | 13.9  | 53.9  |
| 79        | 27.8  | 8.8   | 48.8  |





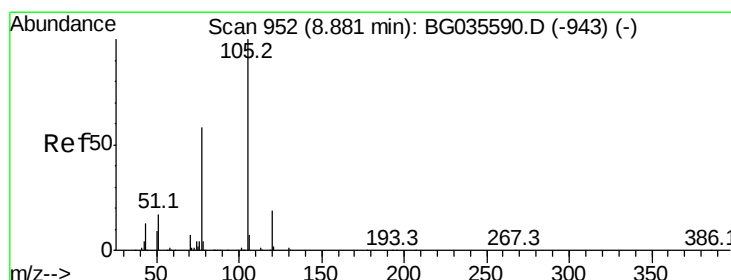
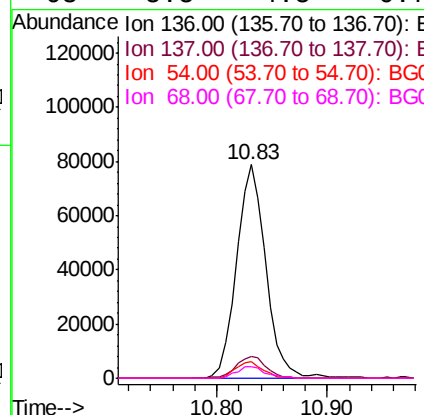
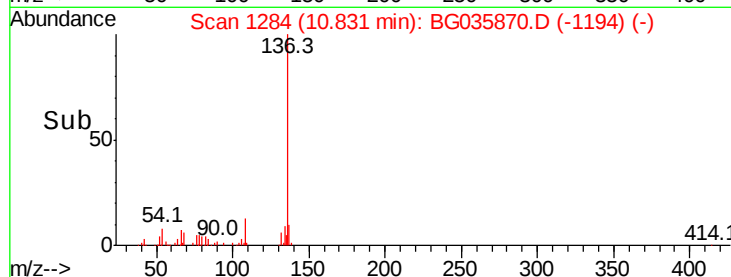
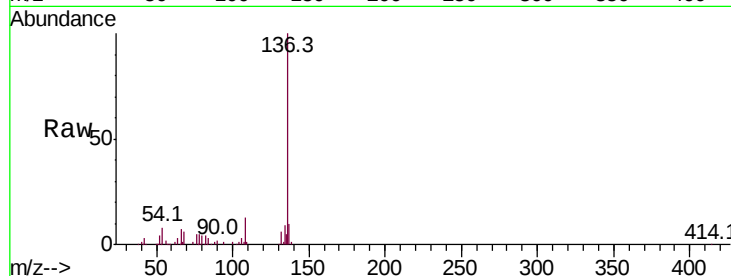
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.83 min Scan# 1284  
Delta R.T. -0.00 min  
Lab File: BG035870.D  
Acq: 25 Jul 2018 12:36

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-WATER-03-QT3-2018

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 136     | 100   |      |       |       |
| 137     | 10.2  | 9.2  | 13.8  |       |
| 54      | 7.8   | 10.3 | 15.5  |       |
| 68      | 5.5   | 4.5  | 6.7   |       |

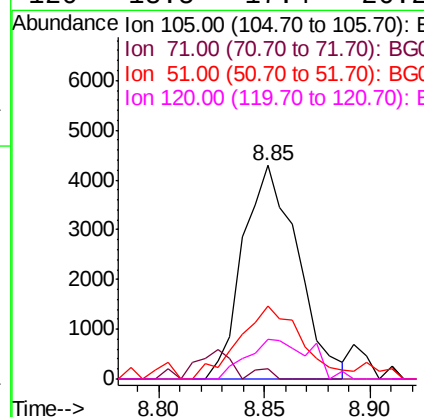
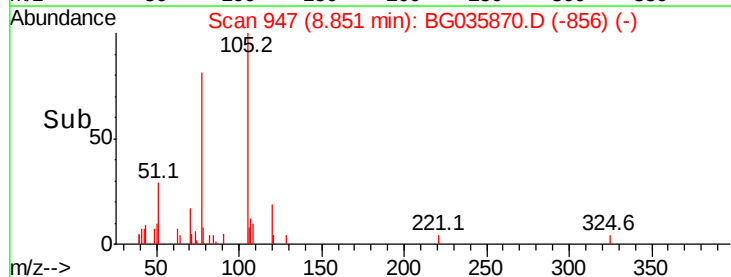
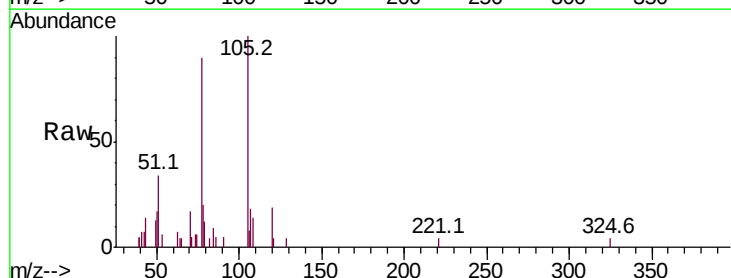
Manual Integrations  
APPROVED

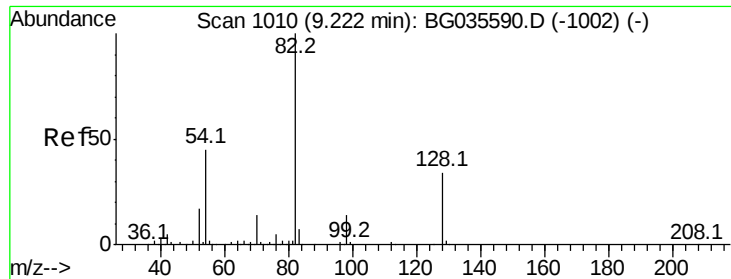
Sohil  
7/26/2018 4:59:25 PM



#22  
Acetophenone  
Concen: 1.697 ng  
RT: 8.85 min Scan# 947  
Delta R.T. 0.00 min  
Lab File: BG035870.D  
Acq: 25 Jul 2018 12:36

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 105     | 100   |      |       |       |
| 71      | 4.6   | 3.0  | 4.4   |       |
| 51      | 34.1  | 26.1 | 39.1  |       |
| 120     | 18.5  | 17.4 | 26.2  |       |





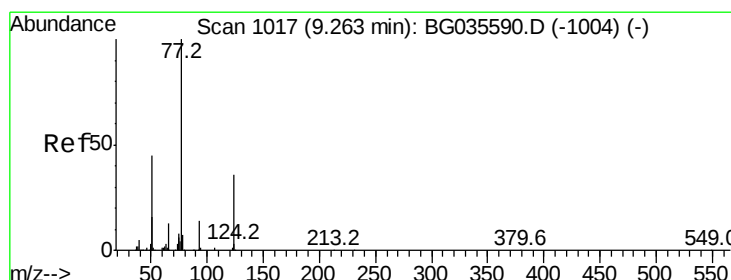
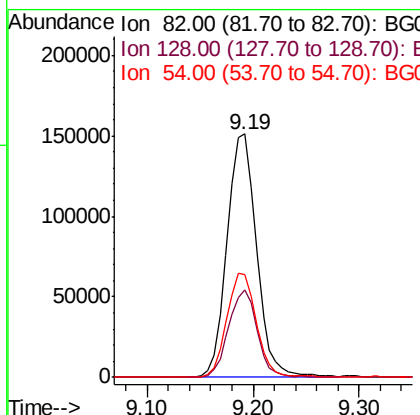
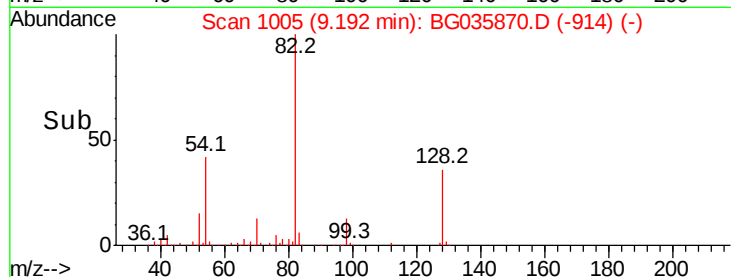
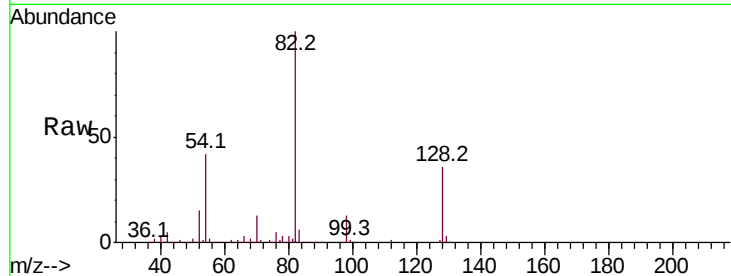
#23  
Nitrobenzene-d5  
Concen: 83.572 ng  
RT: 9.19 min Scan# 1005  
Delta R.T. 0.00 min  
Lab File: BG035870.D  
Acq: 25 Jul 2018 12:36

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-WATER-03-QT3-2018

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 82      | 100   |      |       |       |
| 128     | 36.0  | 29.7 | 44.5  |       |
| 54      | 42.2  | 43.1 | 64.7  |       |

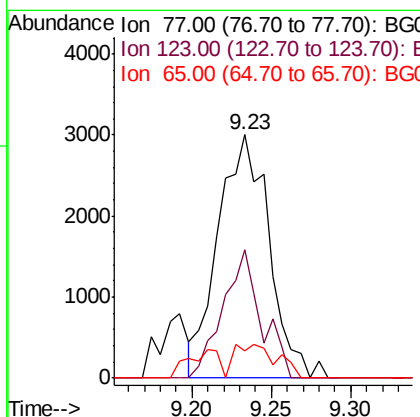
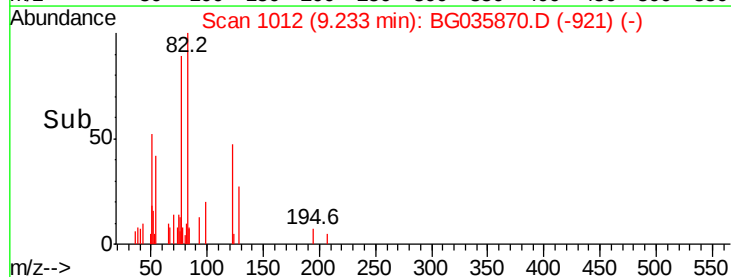
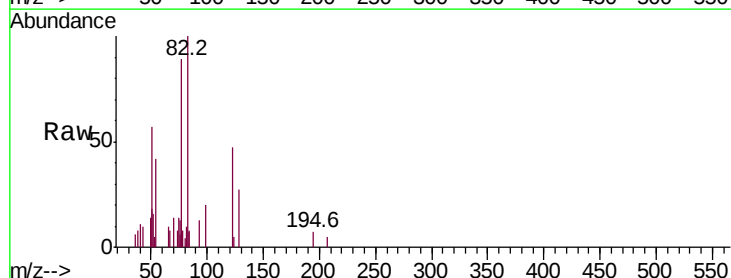
Manual Integrations  
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#24  
Nitrobenzene  
Concen: 1.897 ng  
RT: 9.23 min Scan# 1012  
Delta R.T. 0.00 min  
Lab File: BG035870.D  
Acq: 25 Jul 2018 12:36

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 77      | 100   |      |       |       |
| 123     | 52.6  | 33.0 | 49.6  |       |
| 65      | 11.2  | 13.0 | 19.6  |       |





#25

Isophorone

Concen: 1.749 ng

RT: 9.76 min Scan# 1101

Delta R.T. 0.00 min

Lab File: BG035870.D

Acq: 25 Jul 2018 12:36

Instrument :

BNA\_G

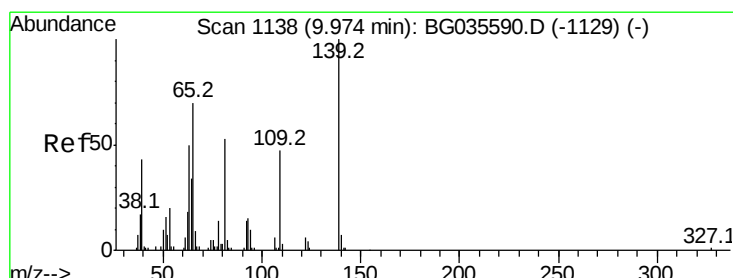
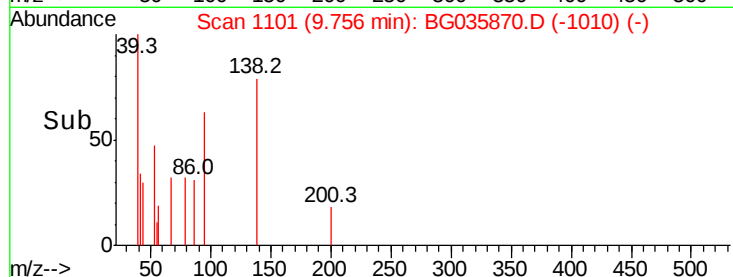
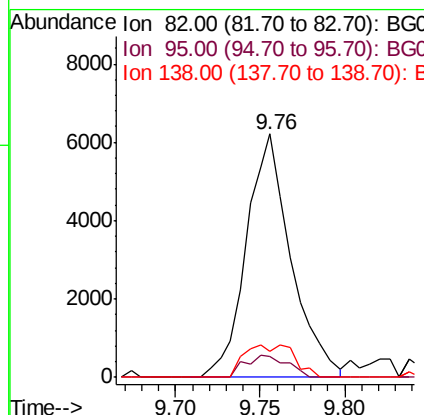
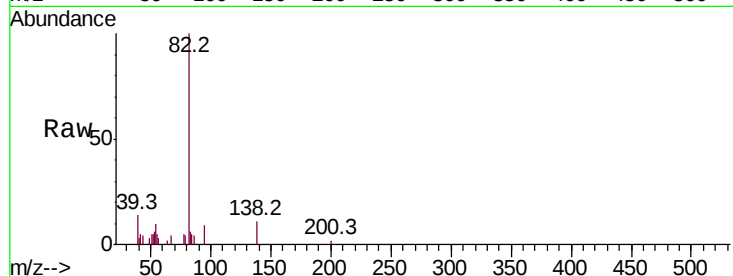
ClientSampleId :

MDL-WATER-03-QT3-2018

| Tot Ion   | 82    | Resp  | 11385 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 82        | 100   |       |       |
| 95        | 8.6   | 6.2   | 9.2   |
| 138       | 10.7  | 12.1  | 18.1# |

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#26

2-Nitrophenol

Concen: 1.539 ng

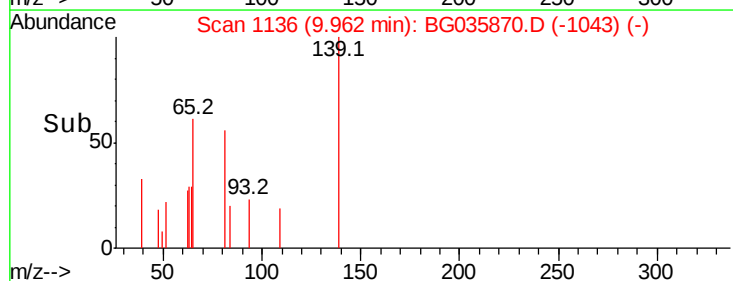
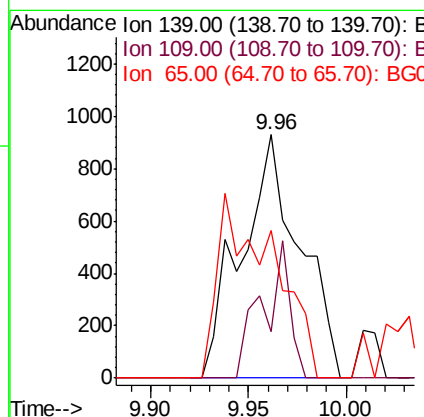
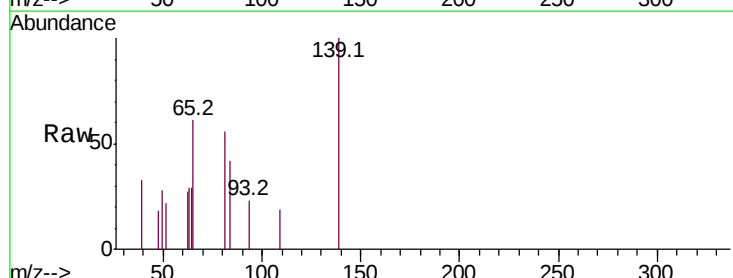
RT: 9.96 min Scan# 1136

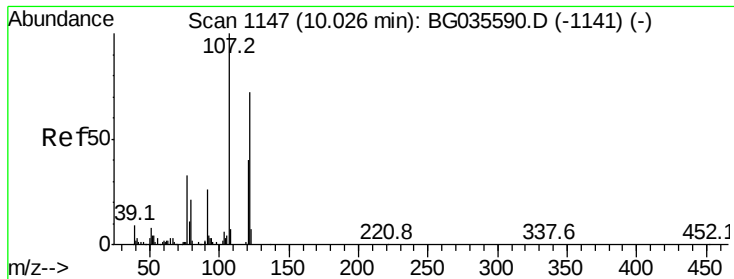
Delta R.T. 0.02 min

Lab File: BG035870.D

Acq: 25 Jul 2018 12:36

| Tgt Ion   | 139   | Resp  | 1928  |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 139       | 100   |       |       |
| 109       | 19.2  | 24.2  | 36.2# |
| 65        | 60.6  | 47.4  | 71.0  |





#27

2,4-Dimethylphenol

Concen: 1.859 ng

RT: 10.02 min Scan# 1146

Delta R.T. 0.02 min

Lab File: BG035870.D

Acq: 25 Jul 2018 12:36

Instrument :

BNA\_G

ClientSampleId :

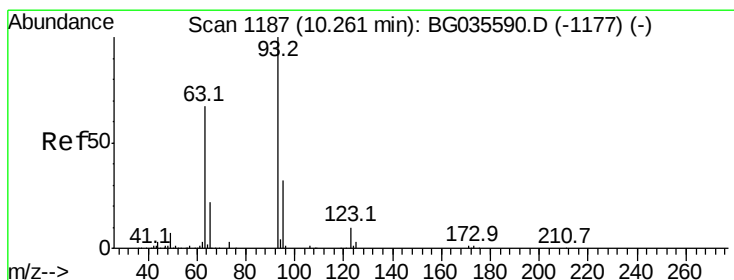
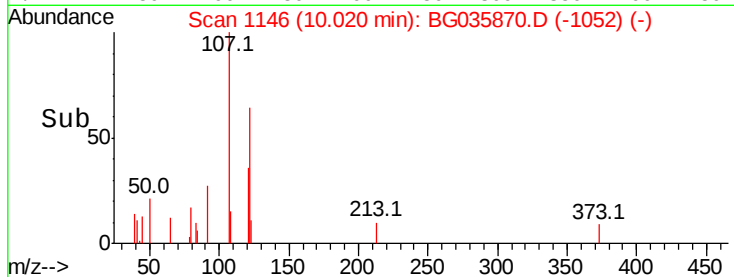
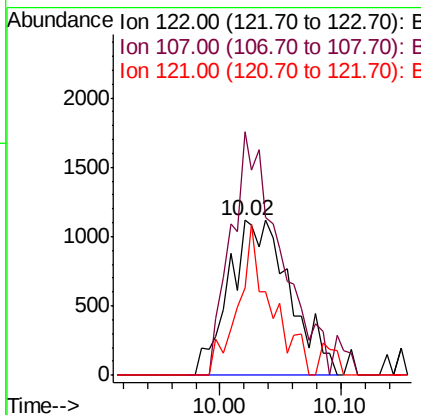
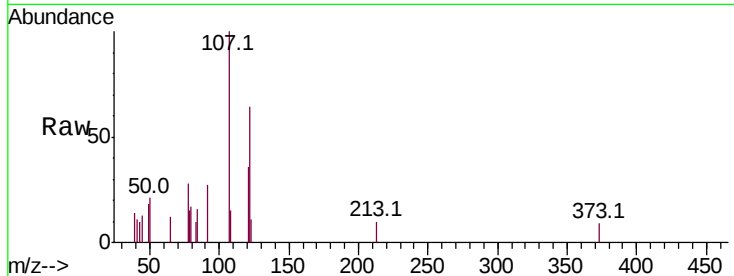
MDL-WATER-03-QT3-2018

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 122     | 100   |       |        |
| 107     | 157.0 | 100.2 | 150.2# |
| 121     | 56.4  | 44.4  | 66.6   |

Manual Integrations  
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#28

bis(2-Chloroethoxy)methane

Concen: 1.437 ng

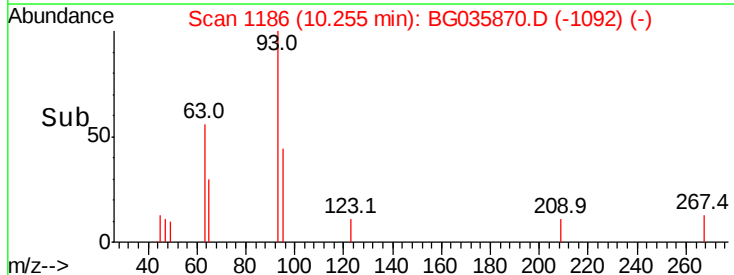
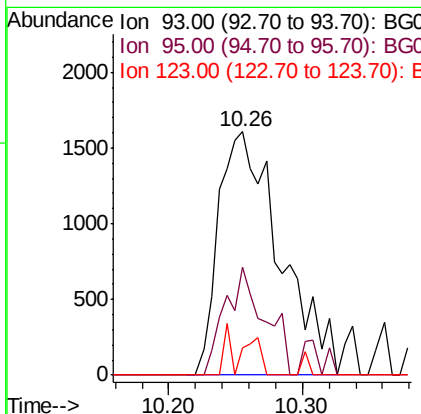
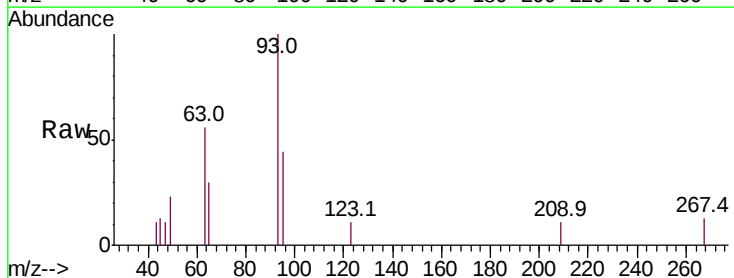
RT: 10.26 min Scan# 1186

Delta R.T. 0.02 min

Lab File: BG035870.D

Acq: 25 Jul 2018 12:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 44.4  | 24.3  | 36.5# |
| 123     | 11.4  | 8.4   | 12.6  |





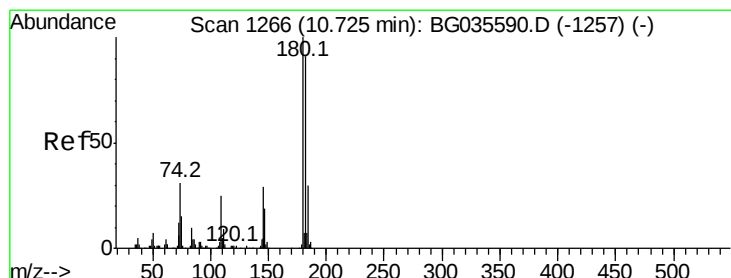
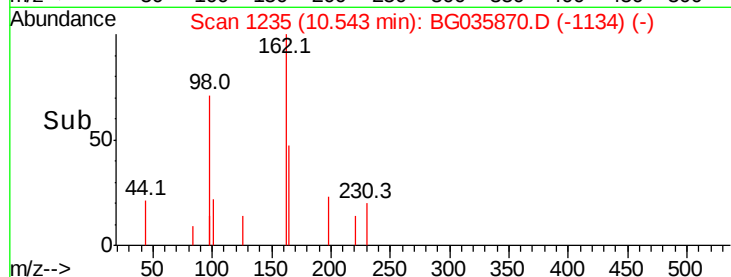
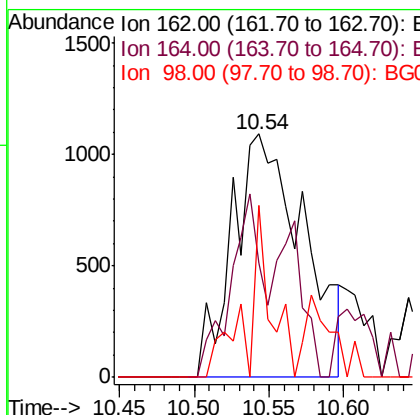
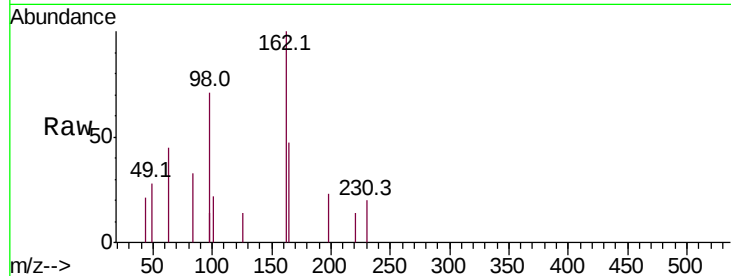
#29  
 2,4-Dichlorophenol  
 Concen: 1.493 ng  
 RT: 10.54 min Scan# 1235  
 Delta R.T. 0.06 min  
 Lab File: BG035870.D  
 Acq: 25 Jul 2018 12:36

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MDL-WATER-03-QT3-2018

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 47.1  | 48.0  | 88.0# |
| 98      | 70.7  | 21.1  | 61.1# |

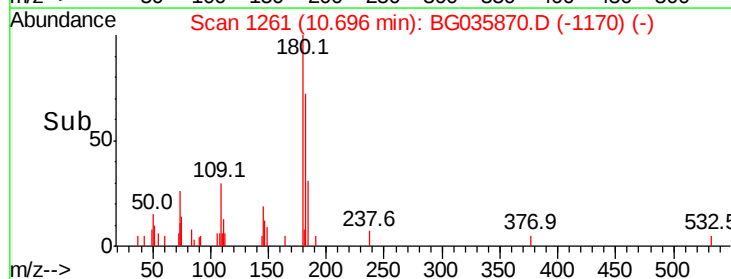
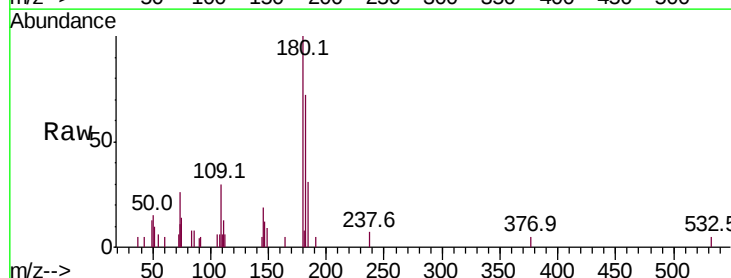
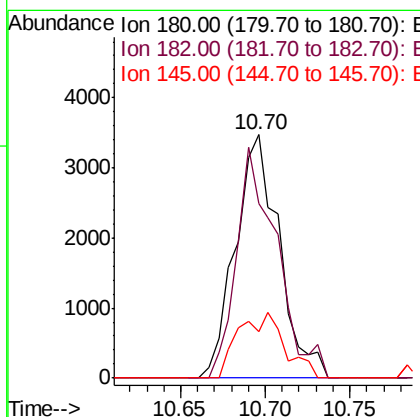
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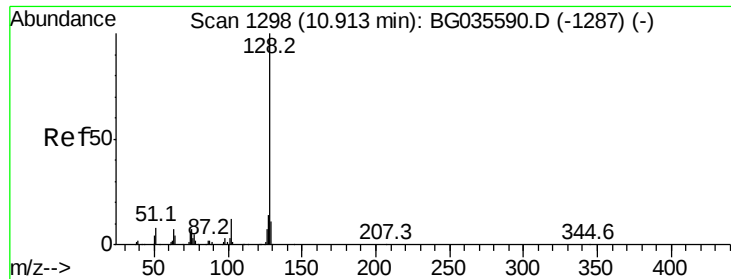
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#30  
 1,2,4-Trichlorobenzene  
 Concen: 2.101 ng  
 RT: 10.70 min Scan# 1261  
 Delta R.T. 0.00 min  
 Lab File: BG035870.D  
 Acq: 25 Jul 2018 12:36

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 180     | 100   |       |        |
| 182     | 71.9  | 77.5  | 116.3# |
| 145     | 19.2  | 23.4  | 35.2#  |





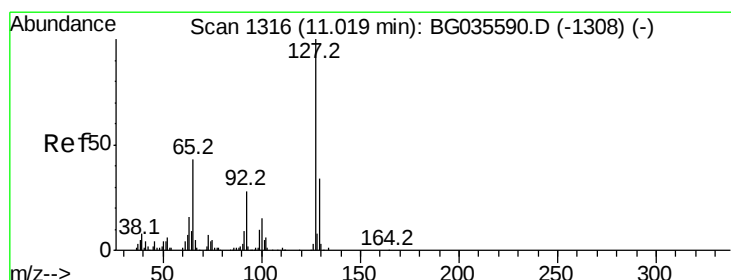
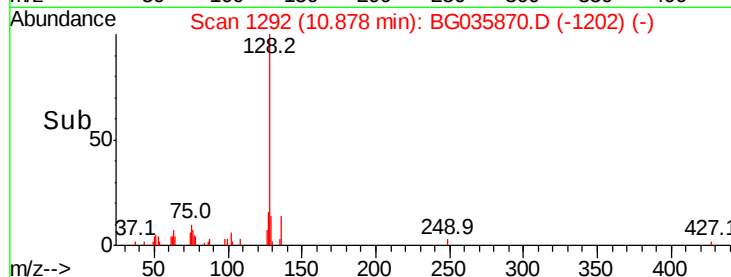
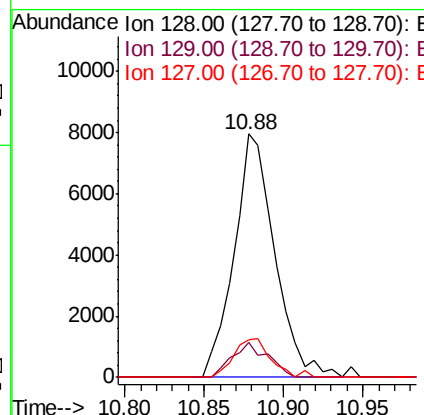
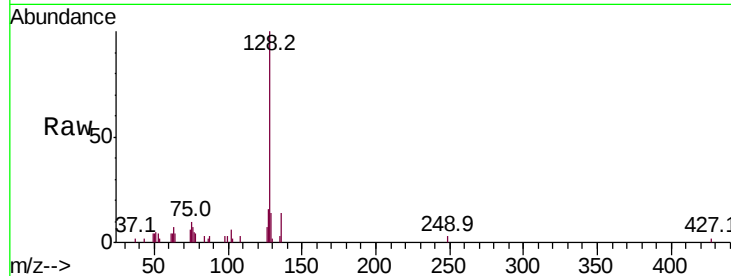
#31  
Naphthalene  
Concen: 1.855 ng  
RT: 10.88 min Scan# 1292  
Delta R.T. -0.00 min  
Lab File: BG035870.D  
Acq: 25 Jul 2018 12:36

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-WATER-03-QT3-2018

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 14.3  | 8.6   | 12.8# |
| 127     | 15.6  | 11.6  | 17.4  |

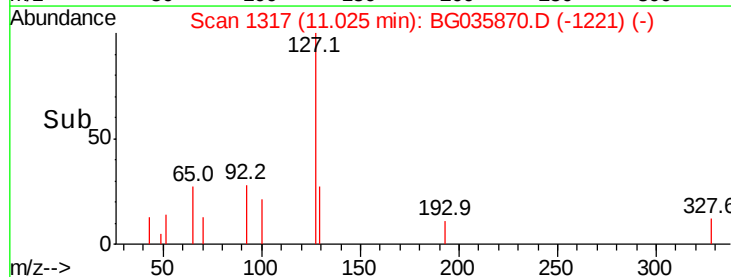
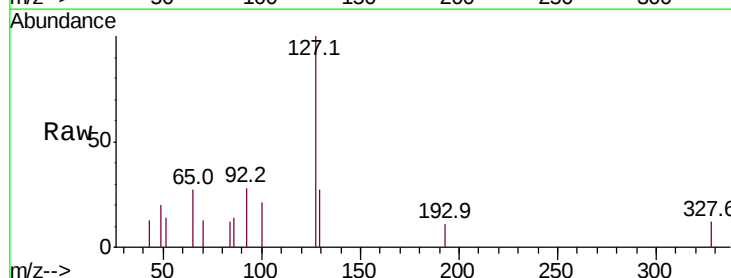
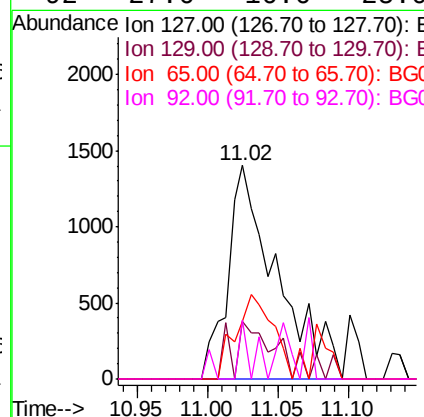
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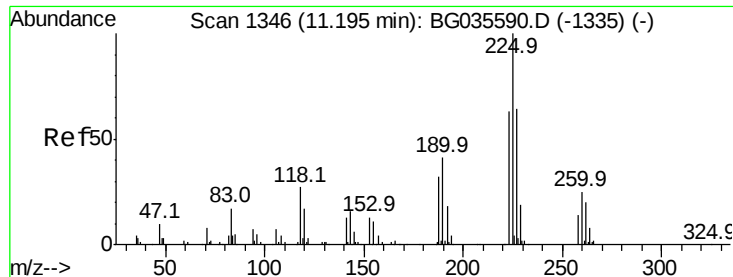
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#33  
4-Chloroaniline  
Concen: 1.026 ng  
RT: 11.02 min Scan# 1317  
Delta R.T. 0.03 min  
Lab File: BG035870.D  
Acq: 25 Jul 2018 12:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 127     | 100   |       |       |
| 129     | 27.0  | 24.0  | 36.0  |
| 65      | 27.1  | 27.0  | 40.4  |
| 92      | 27.6  | 16.6  | 25.0# |





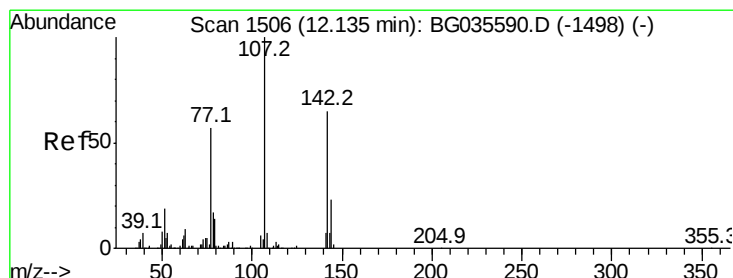
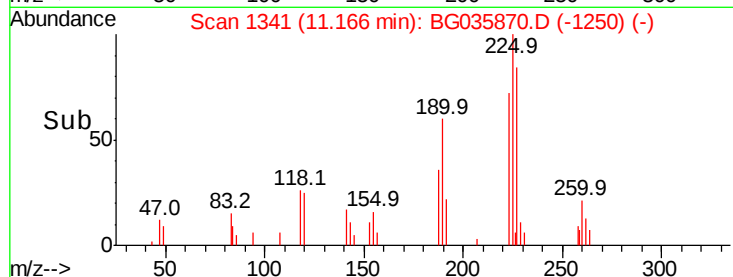
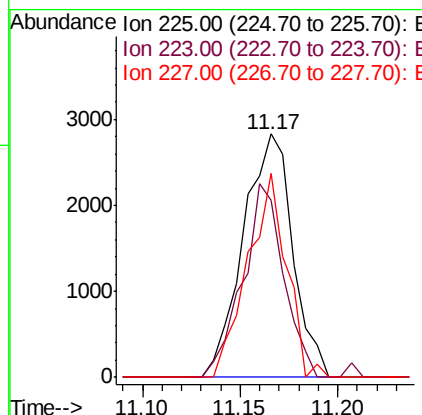
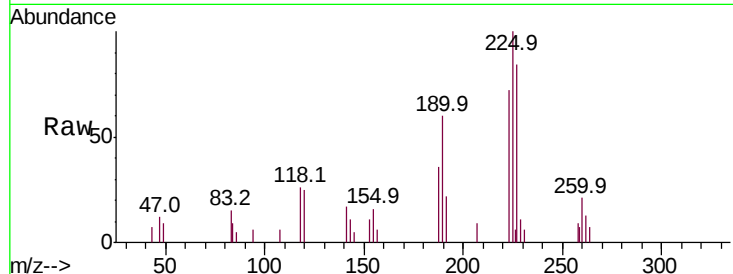
#34  
Hexachlorobutadiene  
Concen: 2.144 ng  
RT: 11.17 min Scan# 1341  
Delta R.T. 0.00 min  
Lab File: BG035870.D  
Acq: 25 Jul 2018 12:36

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-WATER-03-QT3-2018

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 72.5  | 49.7  | 74.5  |
| 227     | 83.7  | 48.1  | 72.1  |

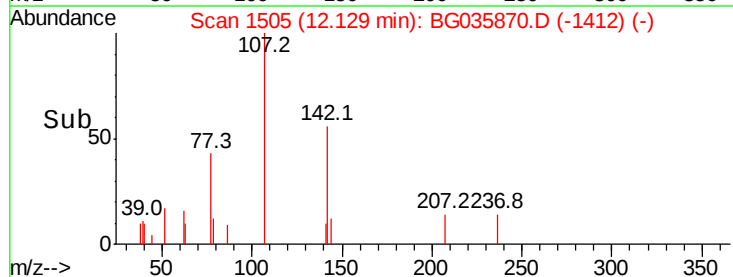
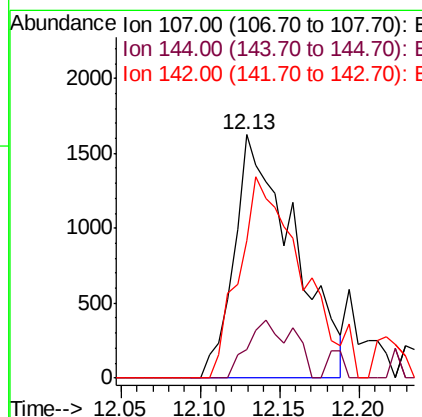
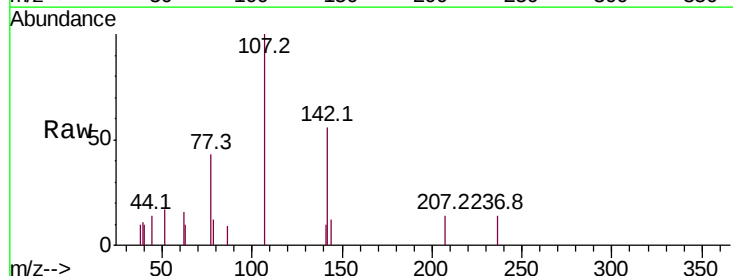
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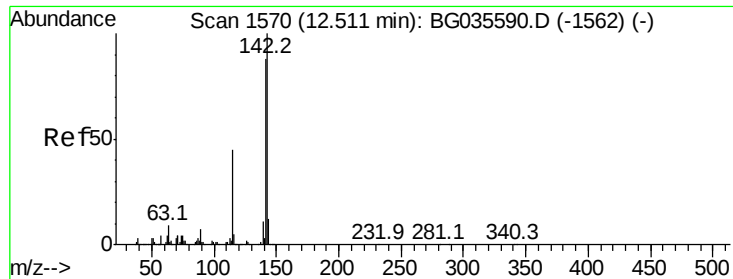
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#36  
4-Chloro-3-methylphenol  
Concen: 1.299 ng  
RT: 12.13 min Scan# 1505  
Delta R.T. 0.02 min  
Lab File: BG035870.D  
Acq: 25 Jul 2018 12:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 144     | 11.6  | 18.2  | 27.4  |
| 142     | 56.2  | 59.0  | 88.4  |





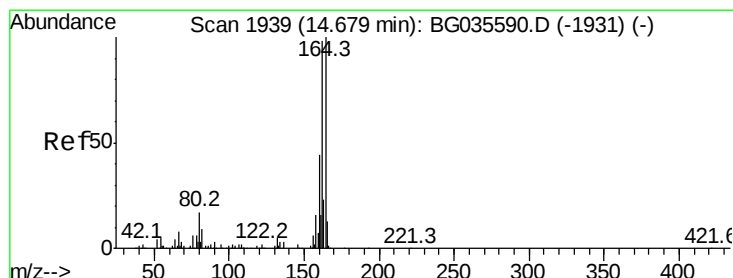
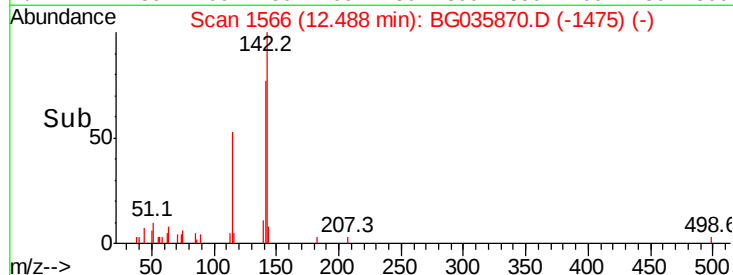
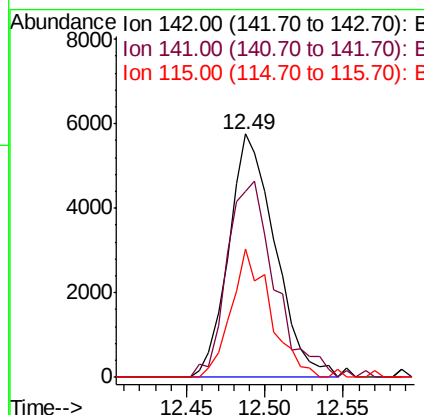
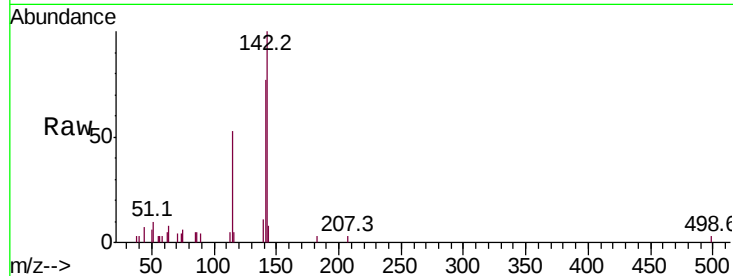
#37  
2-Methylnaphthalene  
Concen: 2.084 ng m  
RT: 12.49 min Scan# 1566  
Delta R.T. 0.00 min  
Lab File: BG035870.D  
Acq: 25 Jul 2018 12:36

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-WATER-03-QT3-2018

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 76.6  | 67.1  | 100.7 |
| 115     | 52.6  | 30.7  | 46.1  |

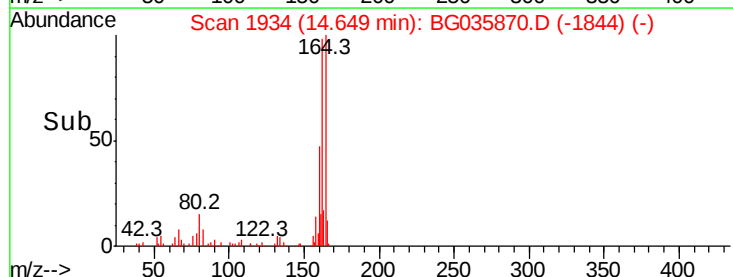
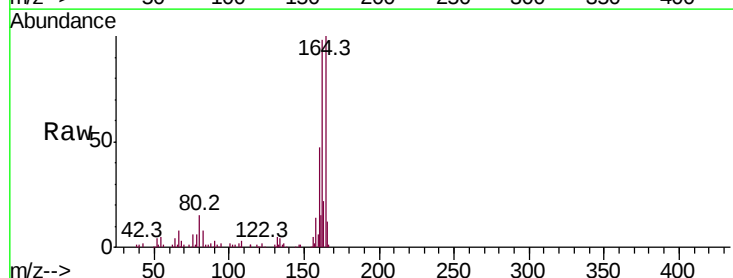
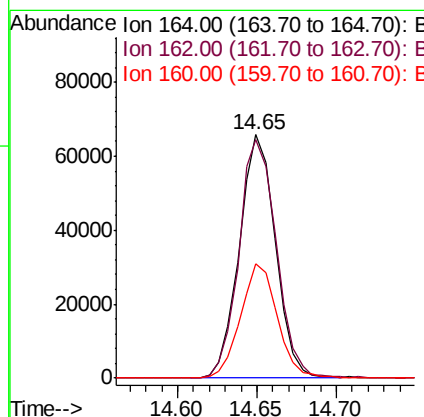
Manual Integrations  
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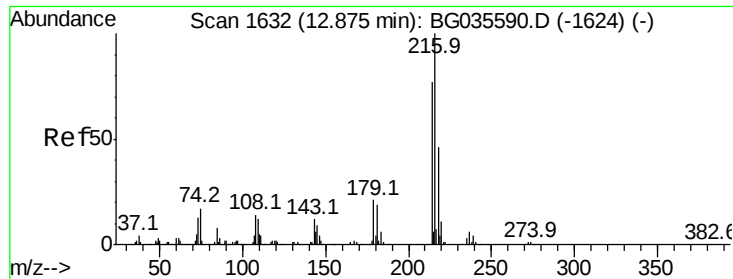
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#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.65 min Scan# 1934  
Delta R.T. -0.00 min  
Lab File: BG035870.D  
Acq: 25 Jul 2018 12:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 97.9  | 78.8  | 118.2 |
| 160     | 47.2  | 35.4  | 53.0  |





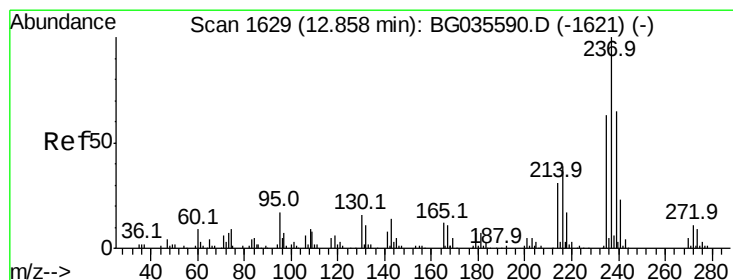
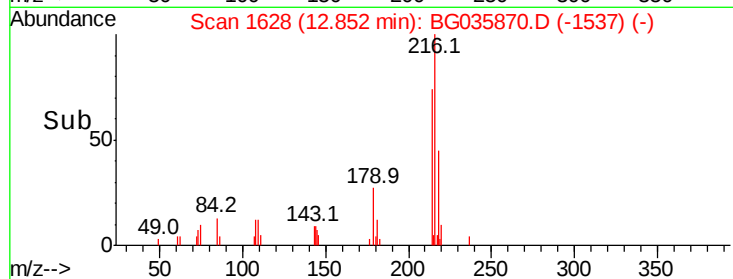
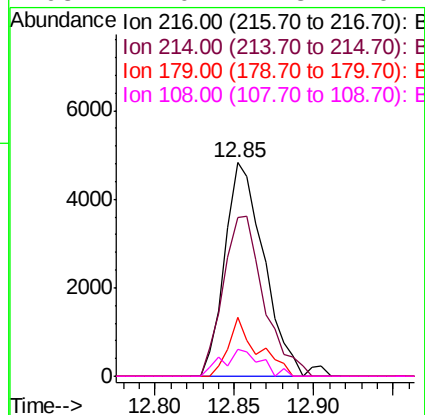
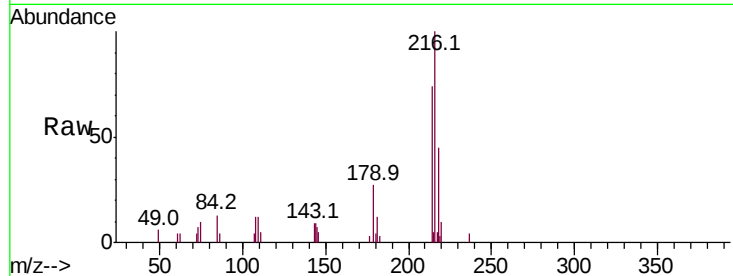
#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 2.126 ng  
 RT: 12.85 min Scan# 1628  
 Delta R.T. 0.00 min  
 Lab File: BG035870.D  
 Acq: 25 Jul 2018 12:36

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MDL-WATER-03-QT3-2018

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 216   | Resp: | 8340  |
| Ion Ratio | Lower | Upper |       |
| 216       | 100   |       |       |
| 214       | 77.0  | 63.0  | 94.4  |
| 179       | 20.2  | 17.0  | 25.6  |
| 108       | 12.0  | 12.8  | 19.2# |

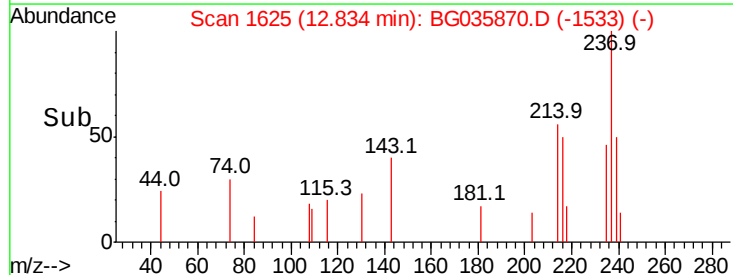
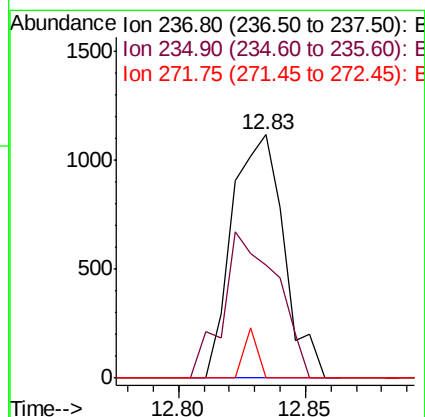
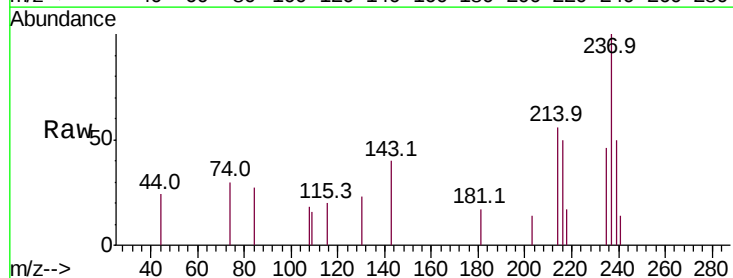
Manual Integrations  
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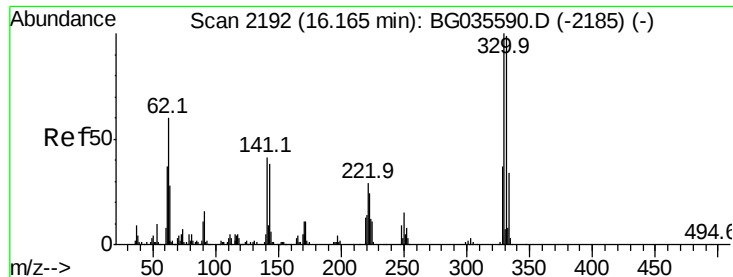
Sohil  
 7/26/2018 4:59:25 PM



#40  
 Hexachlorocyclopentadiene  
 Concen: 0.769 ng  
 RT: 12.83 min Scan# 1625  
 Delta R.T. 0.01 min  
 Lab File: BG035870.D  
 Acq: 25 Jul 2018 12:36

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 237   | Resp: | 1582  |
| Ion Ratio | Lower | Upper |       |
| 237       | 100   |       |       |
| 235       | 46.4  | 50.4  | 90.4# |
| 272       | 0.0   | 0.0   | 31.8  |





#41

2,4,6-Tribromophenol

Concen: 136.971 ng

RT: 16.14 min Scan# 2188

Delta R.T. -0.00 min

Lab File: BG035870.D

Acq: 25 Jul 2018 12:36

Instrument :

BNA\_G

ClientSampleId :

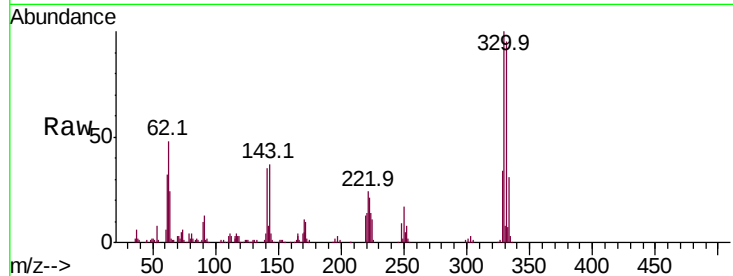
MDL-WATER-03-QT3-2018

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.2  | 77.0  | 115.6 |
| 141     | 38.8  | 25.2  | 37.8# |

Manual Integrations  
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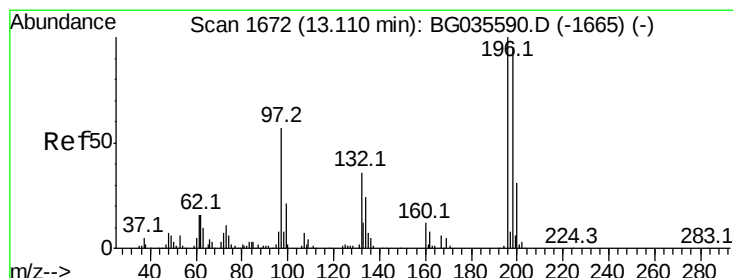
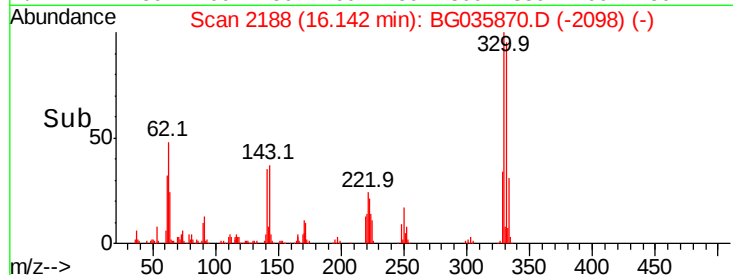
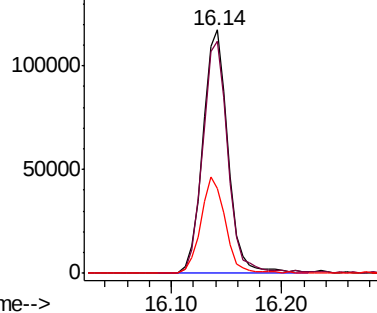


Abundance

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



#42

2,4,6-Trichlorophenol

Concen: 1.722 ng

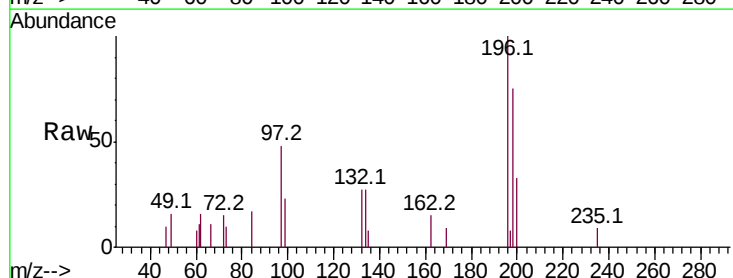
RT: 13.11 min Scan# 1672

Delta R.T. 0.02 min

Lab File: BG035870.D

Acq: 25 Jul 2018 12:36

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 196     | 100   |       |        |
| 198     | 74.6  | 78.2  | 117.2# |
| 200     | 32.9  | 24.6  | 36.8   |

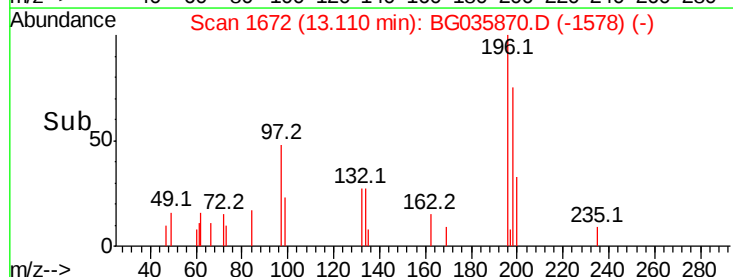
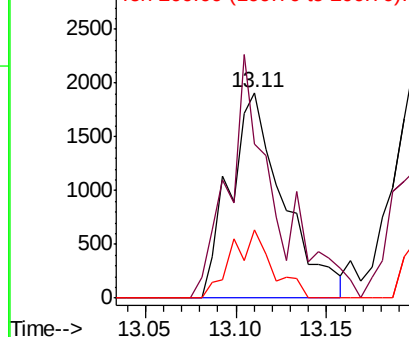


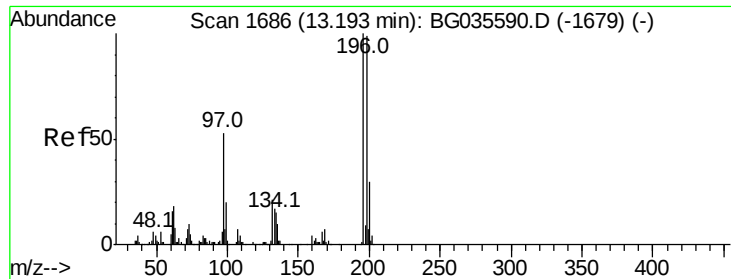
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E





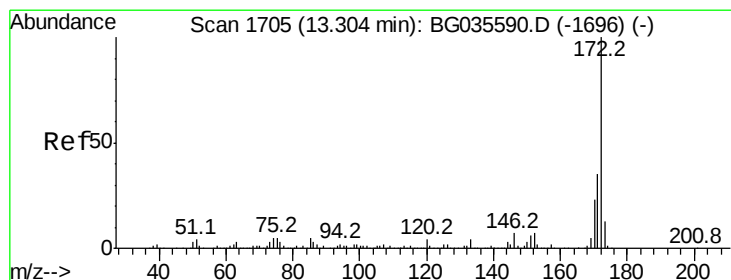
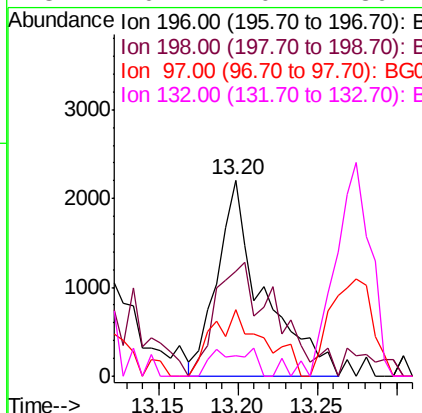
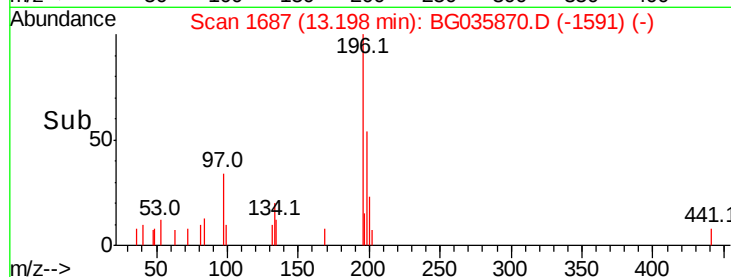
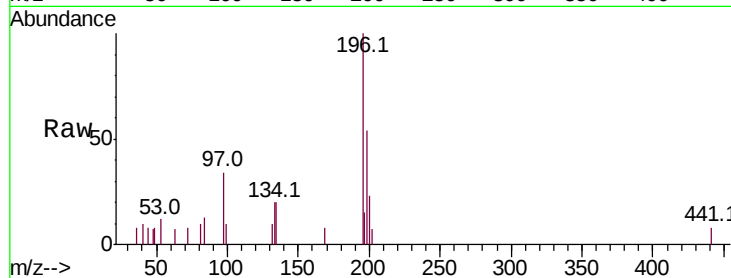
#43  
2,4,5-Trichlorophenol  
Concen: 1.720 ng  
RT: 13.20 min Scan# 1687  
Delta R.T. 0.03 min  
Lab File: BG035870.D  
Acq: 25 Jul 2018 12:36

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-WATER-03-QT3-2018

| Tot Ion | Ratio | Resp | Lower  | Upper |
|---------|-------|------|--------|-------|
| 196     | 100   |      |        |       |
| 198     | 53.8  | 76.2 | 114.4# |       |
| 97      | 34.2  | 38.7 | 58.1#  |       |
| 132     | 10.1  | 20.2 | 30.2#  |       |

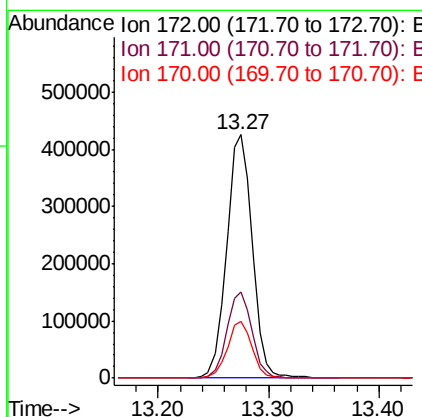
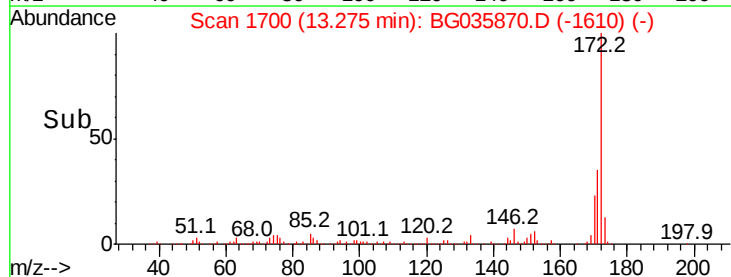
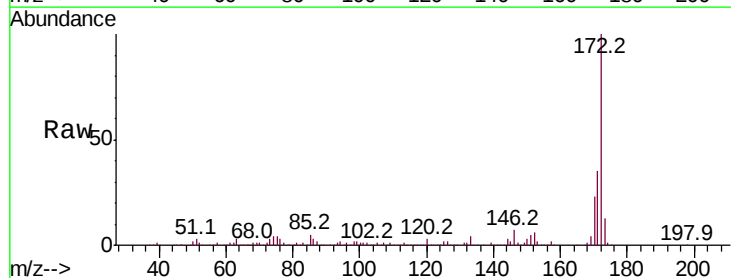
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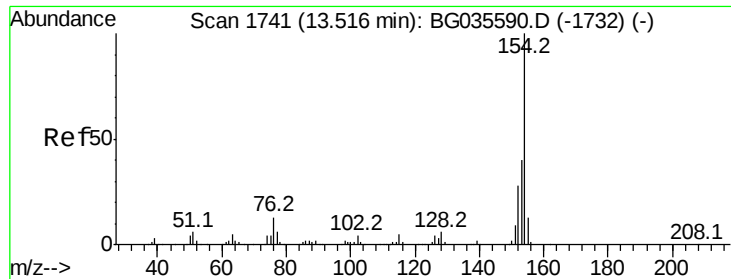
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#44  
2-Fluorobiphenyl  
Concen: 89.002 ng  
RT: 13.27 min Scan# 1700  
Delta R.T. -0.00 min  
Lab File: BG035870.D  
Acq: 25 Jul 2018 12:36

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 172     | 100   |      |       |       |
| 171     | 35.5  | 30.0 | 45.0  |       |
| 170     | 23.3  | 19.5 | 29.3  |       |





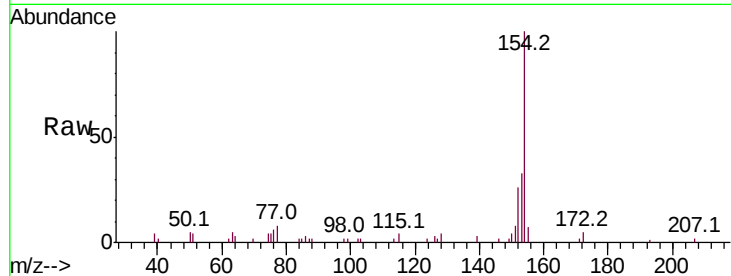
#45  
 1,1'-Biphenyl  
 Concen: 2.085 ng  
 RT: 13.49 min Scan# 1737  
 Delta R.T. 0.00 min  
 Lab File: BG035870.D  
 Acq: 25 Jul 2018 12:36

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MDL-WATER-03-QT3-2018

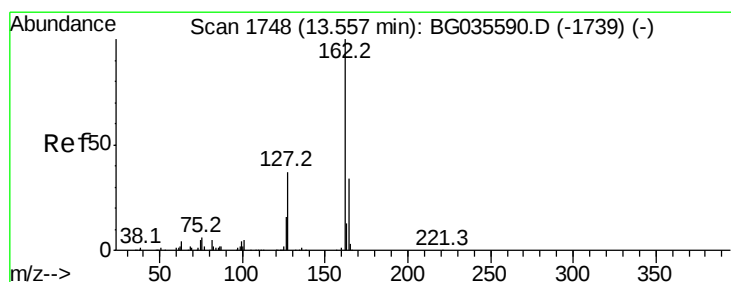
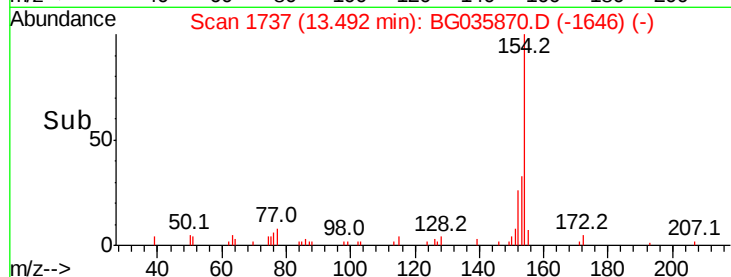
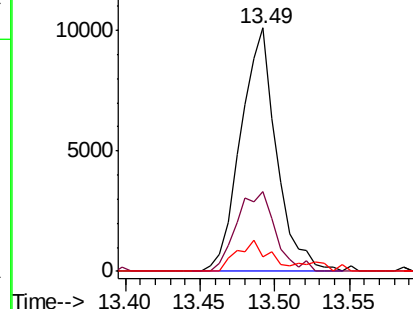
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 32.9  | 19.8  | 59.8  |
| 76      | 6.2   | 0.0   | 31.9  |

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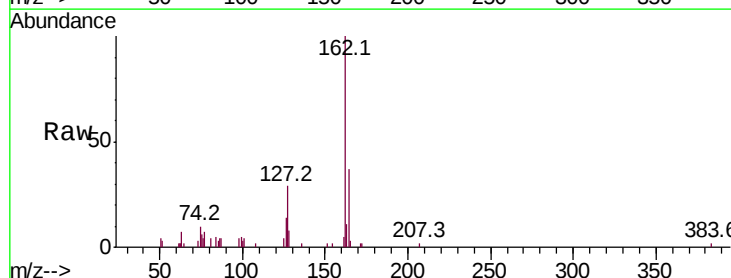


Abundance Ion 154.00 (153.70 to 154.70): E  
 Ion 153.00 (152.70 to 153.70): E  
 Ion 76.00 (75.70 to 76.70): BGC

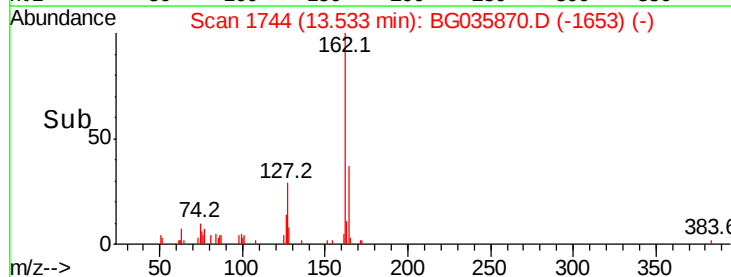
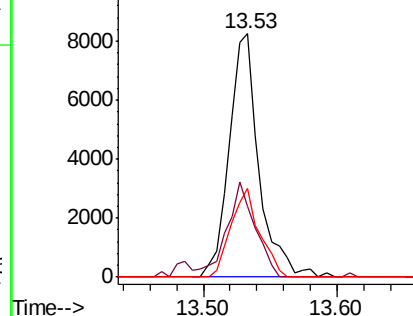


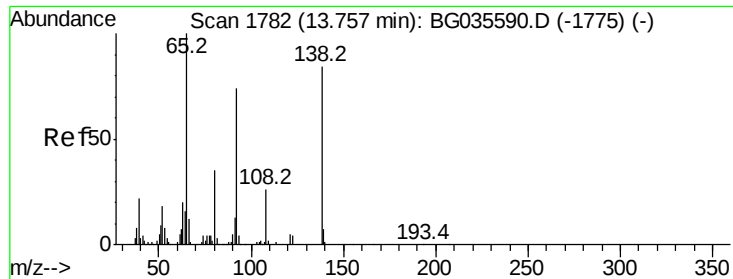
#46  
 2-Chloronaphthalene  
 Concen: 2.063 ng  
 RT: 13.53 min Scan# 1744  
 Delta R.T. 0.00 min  
 Lab File: BG035870.D  
 Acq: 25 Jul 2018 12:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 29.0  | 30.7  | 46.1# |
| 164     | 36.6  | 26.0  | 39.0  |



Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 127.00 (126.70 to 127.70): E  
 Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 1.488 ng

RT: 13.75 min Scan# 1781

Delta R.T. 0.02 min

Lab File: BG035870.D

Acq: 25 Jul 2018 12:36

Instrument :

BNA\_G

ClientSampleId :

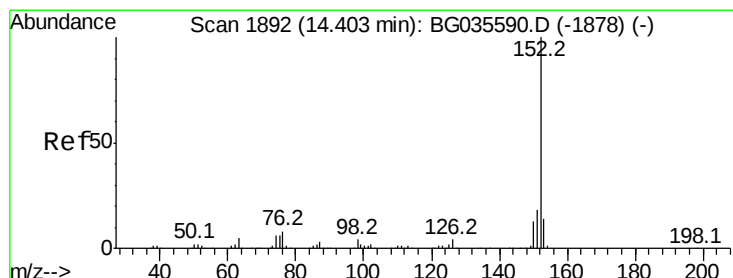
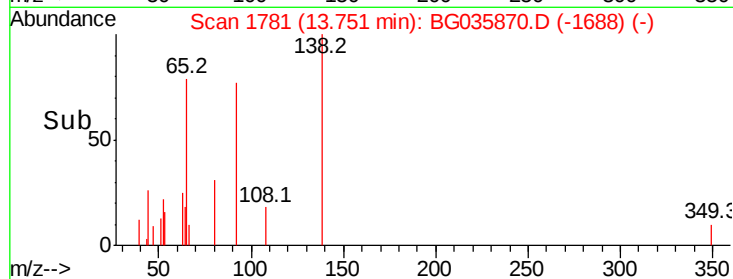
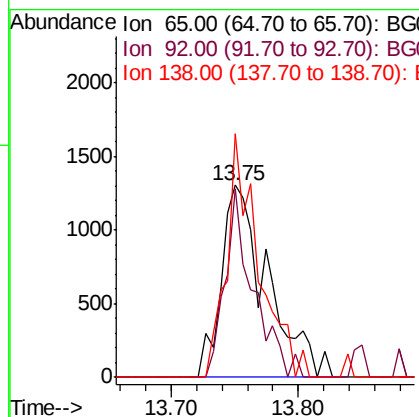
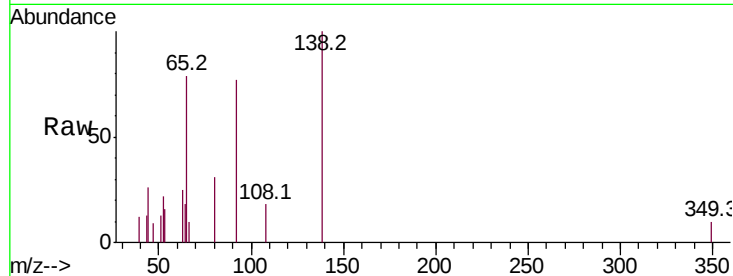
MDL-WATER-03-QT3-2018

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 65      | 100   |       |        |
| 92      | 98.2  | 54.6  | 82.0#  |
| 138     | 126.9 | 72.9  | 109.3# |

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#48

Acenaphthylene

Concen: 1.908 ng

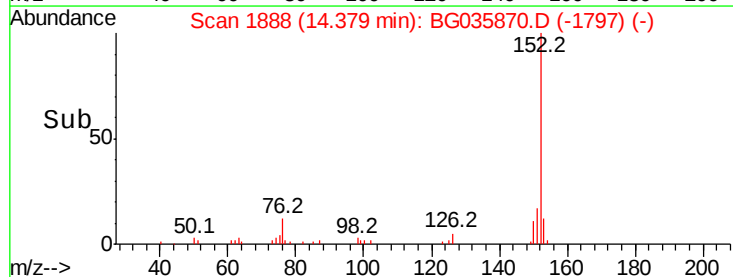
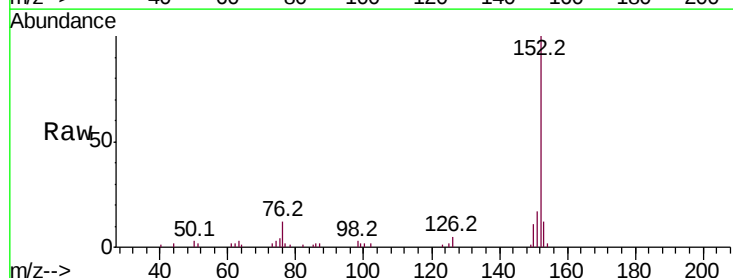
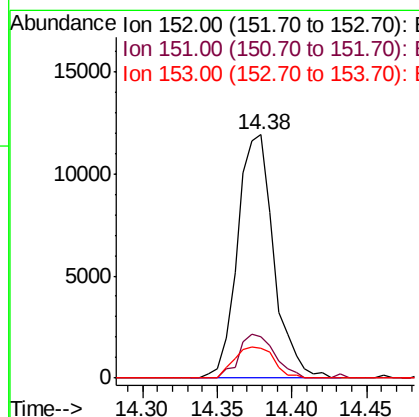
RT: 14.38 min Scan# 1888

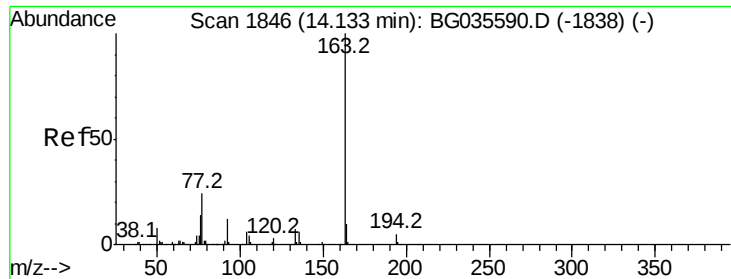
Delta R.T. 0.00 min

Lab File: BG035870.D

Acq: 25 Jul 2018 12:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 17.0  | 17.2  | 25.8# |
| 153     | 12.3  | 10.2  | 15.4  |





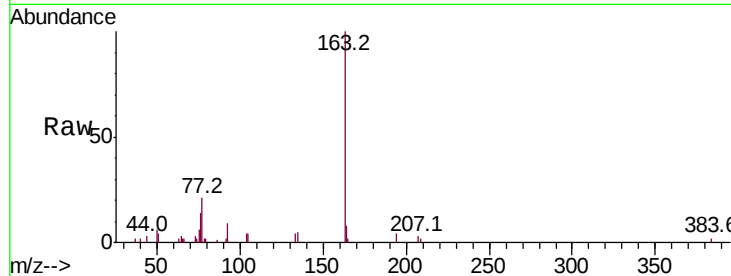
#49  
Dimethylphthalate  
Concen: 1.900 ng  
RT: 14.10 min Scan# 1841  
Delta R.T. -0.00 min  
Lab File: BG035870.D  
Acq: 25 Jul 2018 12:36

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-WATER-03-QT3-2018

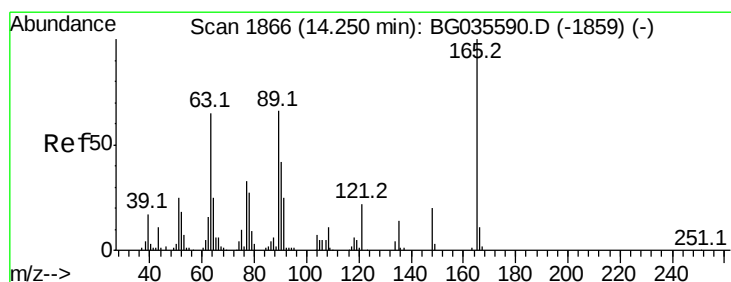
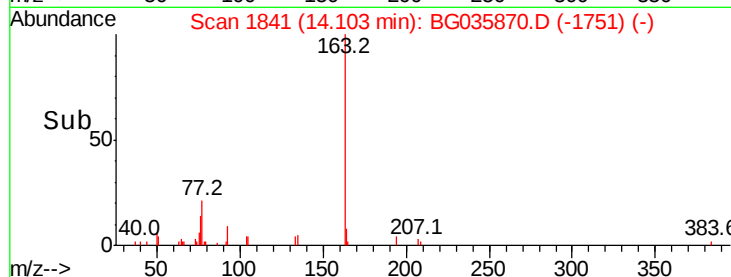
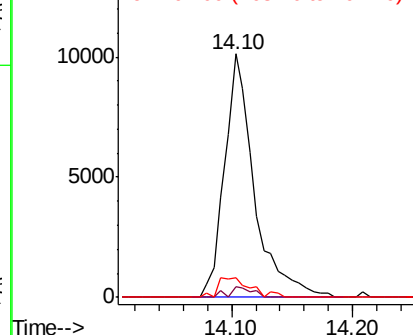
| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 163     | 100   | 17300 |       |       |
| 194     | 4.2   |       | 3.4   | 5.2   |
| 164     | 8.0   |       | 8.2   | 12.4# |

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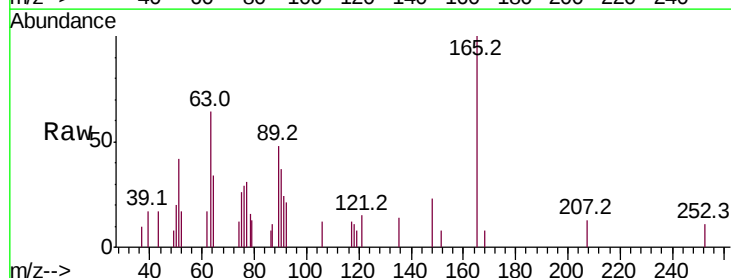


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

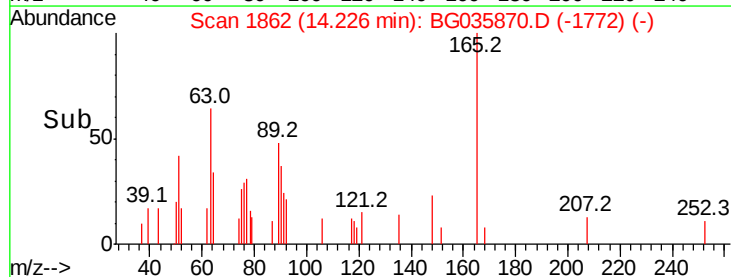
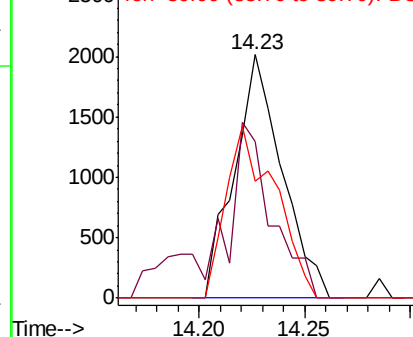


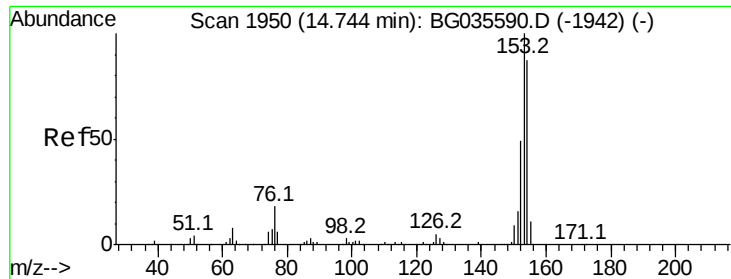
#50  
2,6-Dinitrotoluene  
Concen: 1.698 ng  
RT: 14.23 min Scan# 1862  
Delta R.T. -0.00 min  
Lab File: BG035870.D  
Acq: 25 Jul 2018 12:36

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 165     | 100   | 3149 |       |       |
| 63      | 64.2  |      | 52.7  | 79.1  |
| 89      | 48.0  |      | 49.2  | 73.8# |



Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BG0  
Ion 89.00 (88.70 to 89.70): BG0





#51

Acenaphthene

Concen: 1.798 ng

RT: 14.71 min Scan# 1945

Delta R.T. -0.00 min

Lab File: BG035870.D

Acq: 25 Jul 2018 12:36

Instrument :

BNA\_G

ClientSampleId :

MDL-WATER-03-QT3-2018

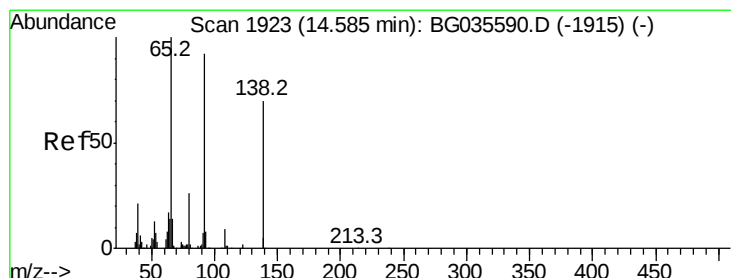
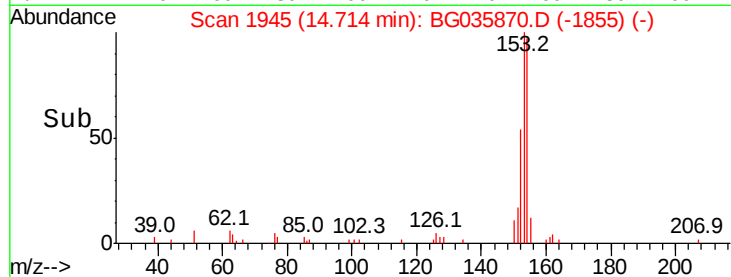
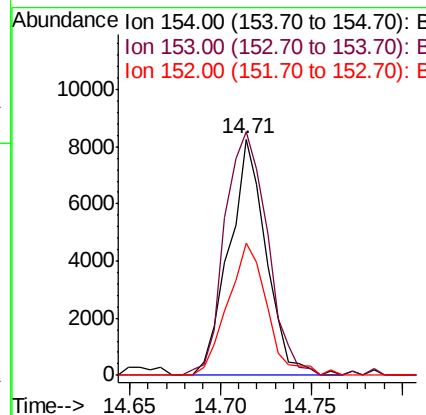
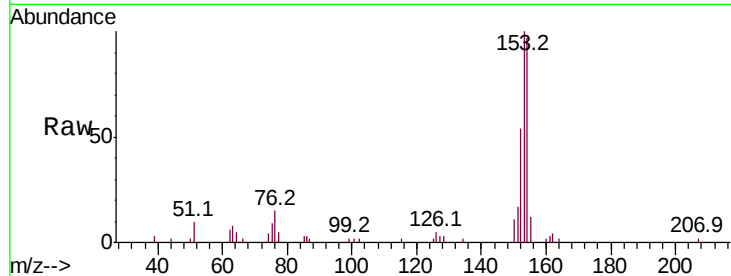
Tot Ion:154 Resp: 11763

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 154 | 100   |       |       |
| 153 | 103.1 | 90.4  | 135.6 |
| 152 | 55.9  | 41.6  | 62.4  |

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#52

3-Nitroaniline

Concen: 0.965 ng

RT: 14.61 min Scan# 1927

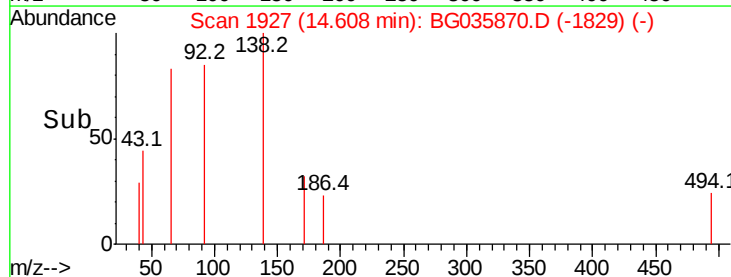
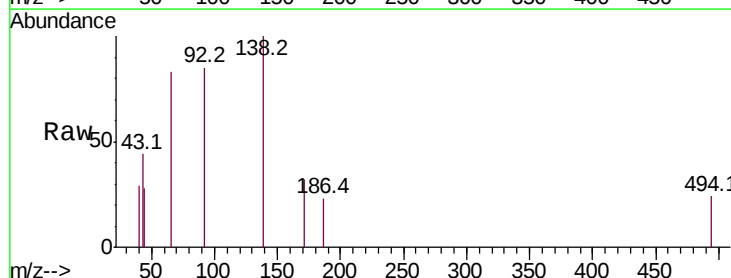
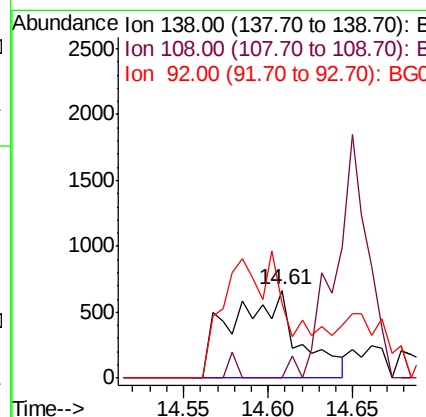
Delta R.T. 0.05 min

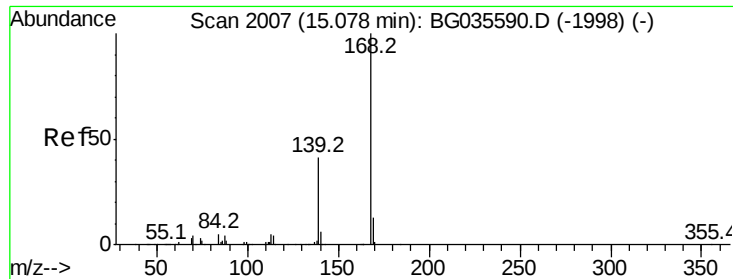
Lab File: BG035870.D

Acq: 25 Jul 2018 12:36

Tgt Ion:138 Resp: 1830

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 138 | 100   |       |        |
| 108 | 0.0   | 17.5  | 26.3#  |
| 92  | 84.9  | 105.8 | 158.8# |





#54

Dibenzofuran

Concen: 2.038 ng

RT: 15.05 min Scan# 2002

Delta R.T. -0.00 min

Lab File: BG035870.D

Acq: 25 Jul 2018 12:36

Instrument :

BNA\_G

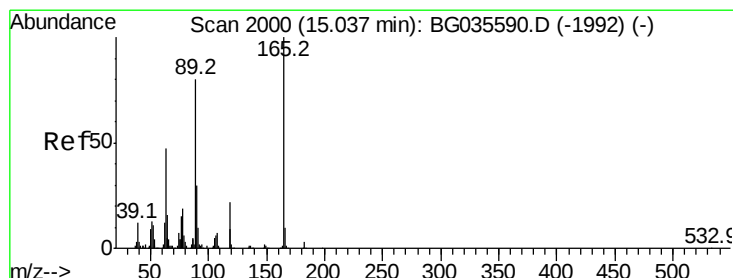
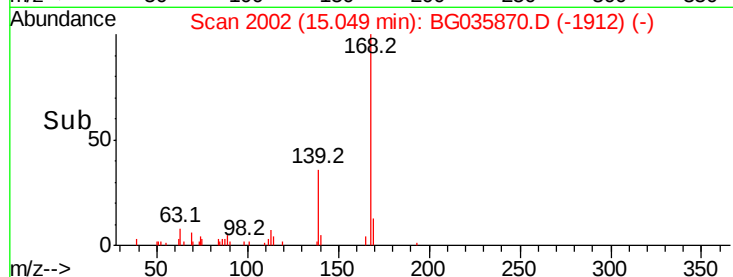
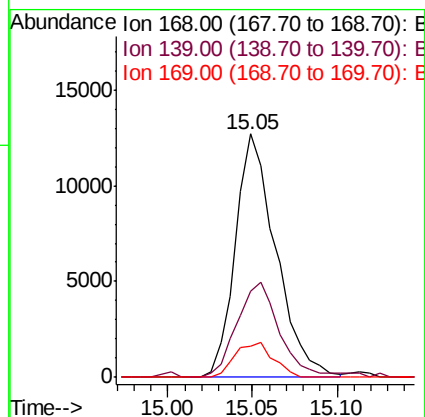
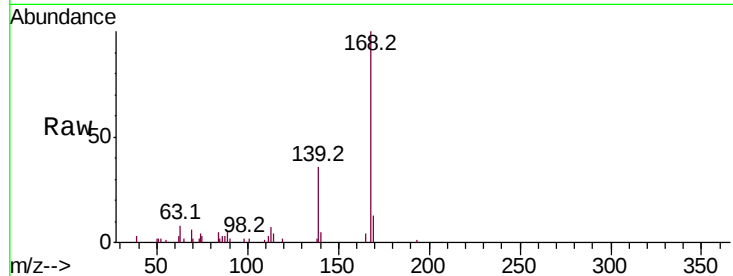
ClientSampleId :

MDL-WATER-03-QT3-2018

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 168   | Resp: | 21197 |
| Ion Ratio | Lower | Upper |       |
| 168       | 100   |       |       |
| 139       | 35.5  | 28.6  | 43.0  |
| 169       | 12.6  | 11.2  | 16.8  |

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#56

2,4-Dinitrotoluene

Concen: 1.555 ng

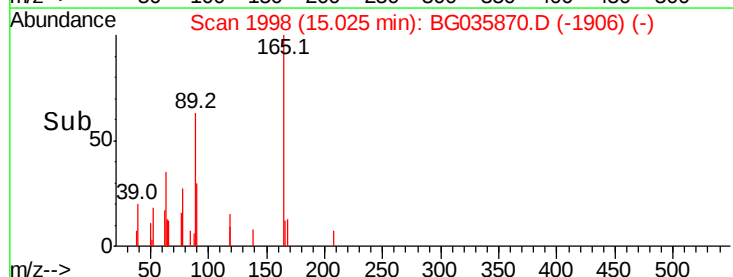
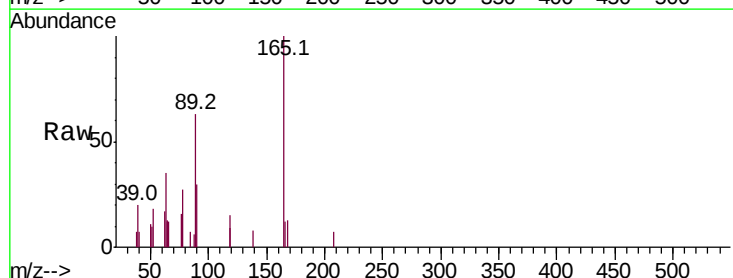
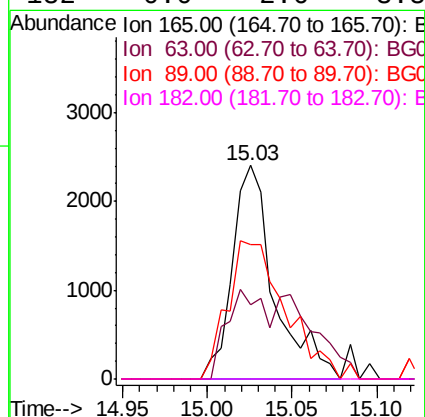
RT: 15.03 min Scan# 1998

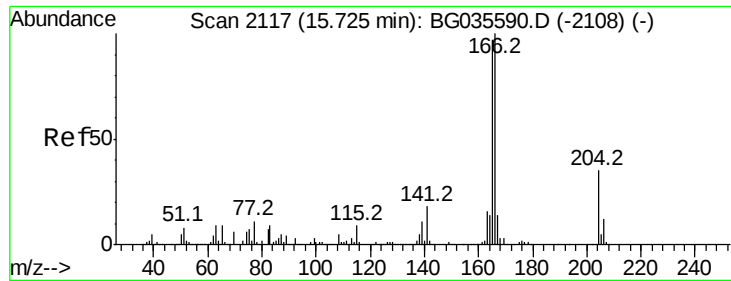
Delta R.T. 0.01 min

Lab File: BG035870.D

Acq: 25 Jul 2018 12:36

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 165   | Resp: | 4138   |
| Ion Ratio | Lower | Upper |        |
| 165       | 100   |       |        |
| 63        | 34.7  | 42.0  | 63.0#  |
| 89        | 62.9  | 66.9  | 100.3# |
| 182       | 0.0   | 2.6   | 3.8#   |





#57

Fluorene

Concen: 1.888 ng

RT: 15.70 min Scan# 2113

Delta R.T. 0.00 min

Lab File: BG035870.D

Acq: 25 Jul 2018 12:36

Instrument :

BNA\_G

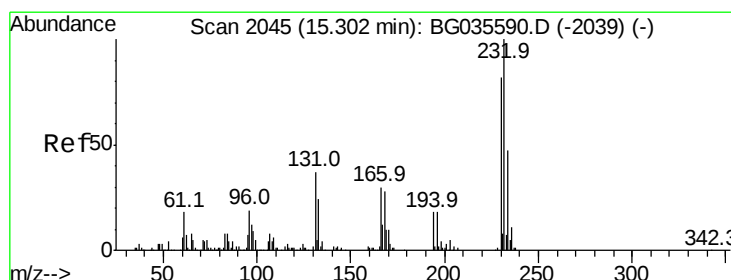
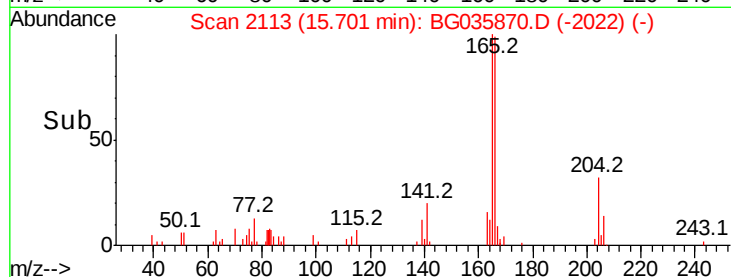
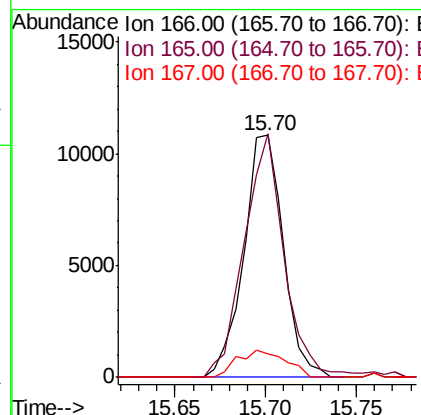
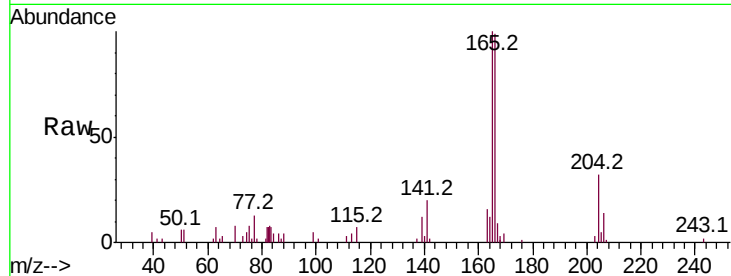
ClientSampleId :

MDL-WATER-03-QT3-2018

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 166     | 100   |      |       |       |
| 165     | 100.6 | 80.6 | 121.0 |       |
| 167     | 9.6   | 10.4 | 15.6  |       |

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#58

2,3,4,6-Tetrachlorophenol

Concen: 1.524 ng

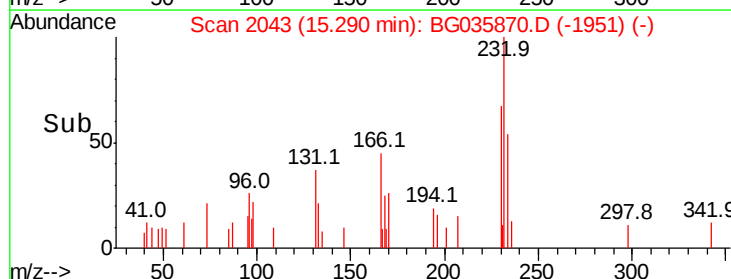
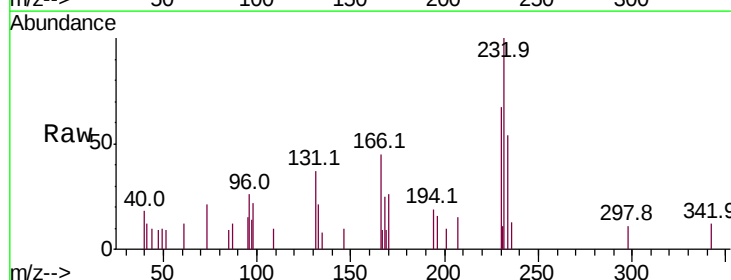
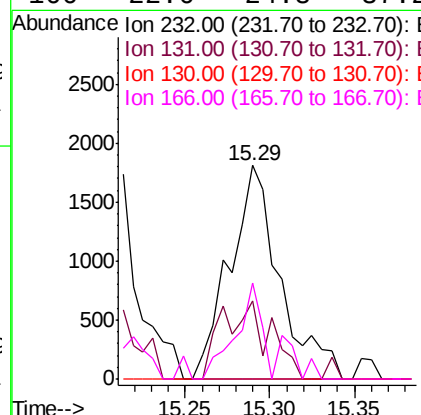
RT: 15.29 min Scan# 2043

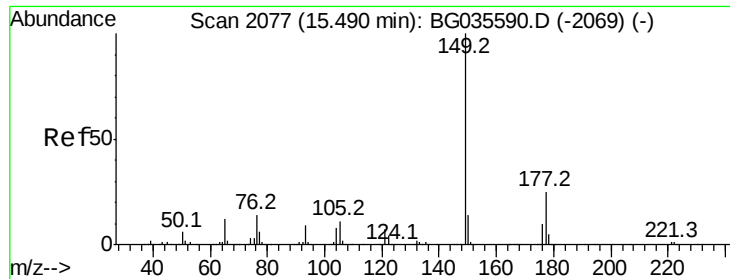
Delta R.T. 0.01 min

Lab File: BG035870.D

Acq: 25 Jul 2018 12:36

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 232     | 100   |      |       |       |
| 131     | 13.1  | 33.5 | 50.3  |       |
| 130     | 0.0   | 2.2  | 3.2   |       |
| 166     | 22.6  | 24.8 | 37.2  |       |





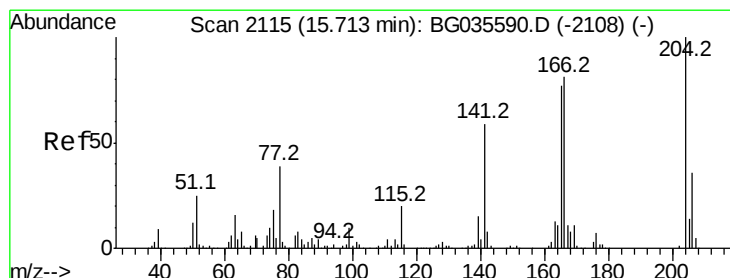
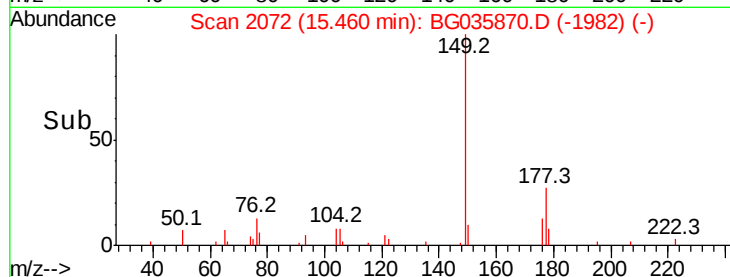
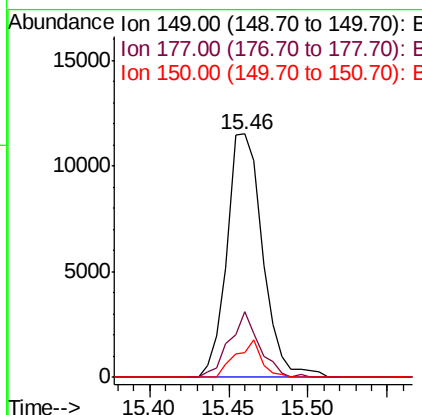
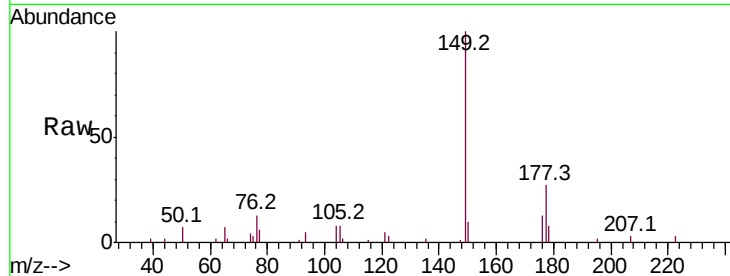
#59  
Diethylphthalate  
Concen: 1.924 ng  
RT: 15.46 min Scan# 2072  
Delta R.T. -0.00 min  
Lab File: BG035870.D  
Acq: 25 Jul 2018 12:36

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-WATER-03-QT3-2018

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 27.0  | 18.5  | 27.7  |
| 150     | 10.3  | 10.2  | 15.2  |

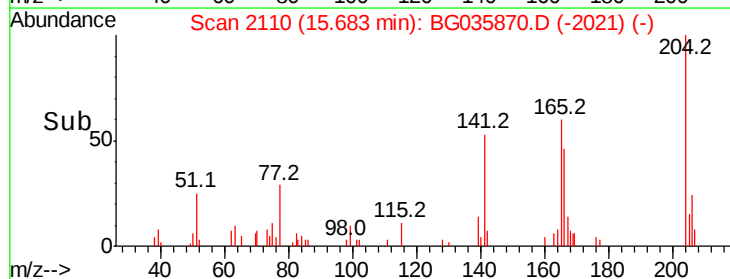
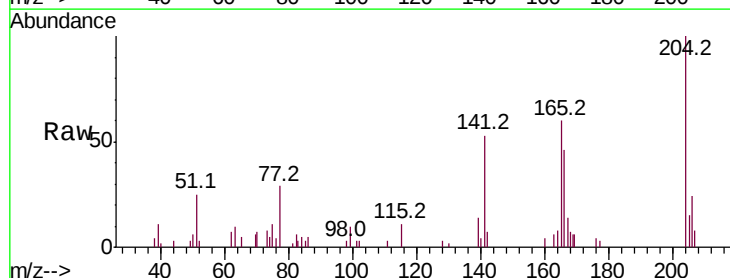
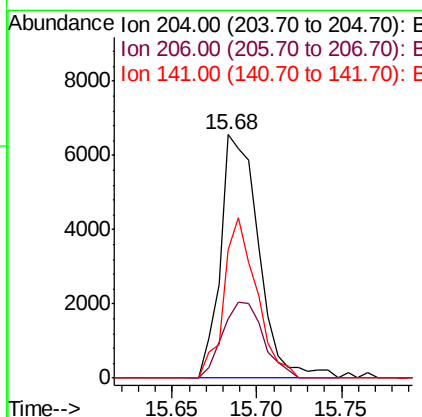
Manual Integrations  
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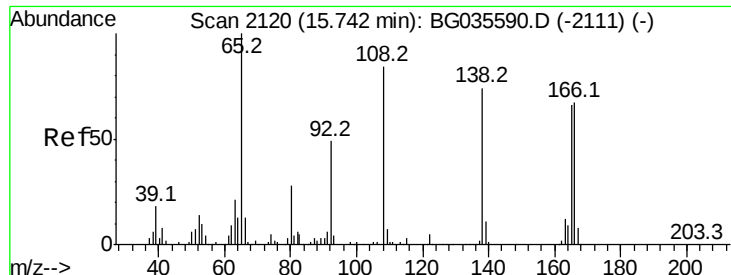
Sohil  
7/26/2018 4:59:25 PM



#60  
4-Chlorophenyl-phenylether  
Concen: 2.007 ng  
RT: 15.68 min Scan# 2110  
Delta R.T. -0.01 min  
Lab File: BG035870.D  
Acq: 25 Jul 2018 12:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 24.1  | 26.2  | 39.2# |
| 141     | 52.8  | 45.8  | 68.6  |





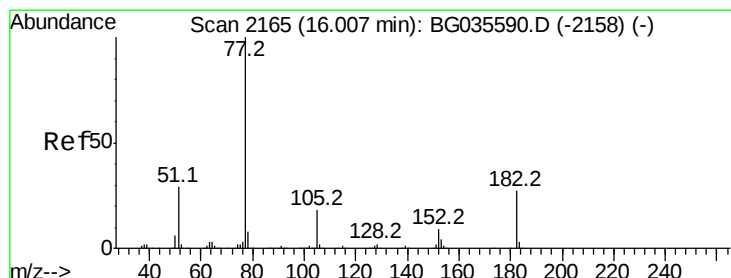
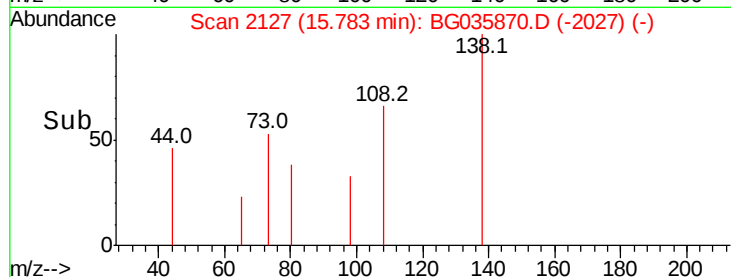
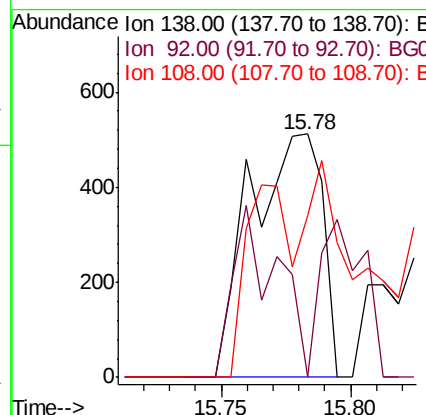
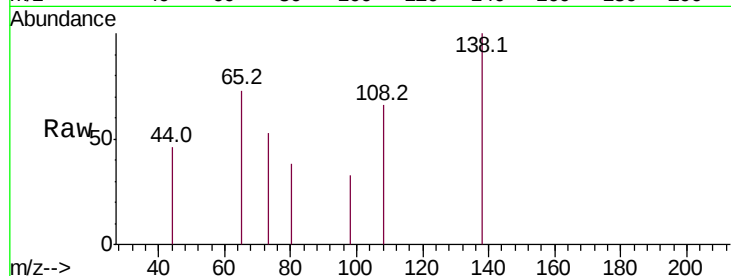
#61  
4-Nitroaniline  
Concen: 0.498 ng/ml  
RT: 15.78 min Scan# 2127  
Delta R.T. 0.06 min  
Lab File: BG035870.D  
Acq: 25 Jul 2018 12:36

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-WATER-03-QT3-2018

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 0.0   | 40.1  | 80.1# |
| 108     | 66.2  | 65.4  | 105.4 |

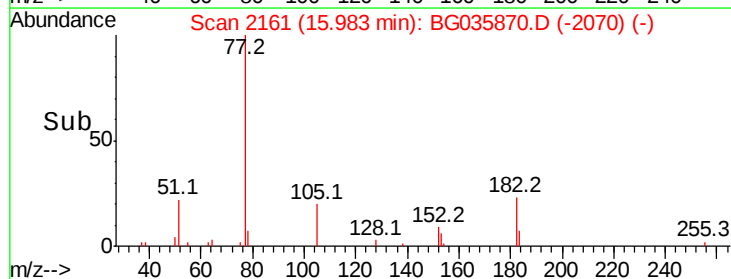
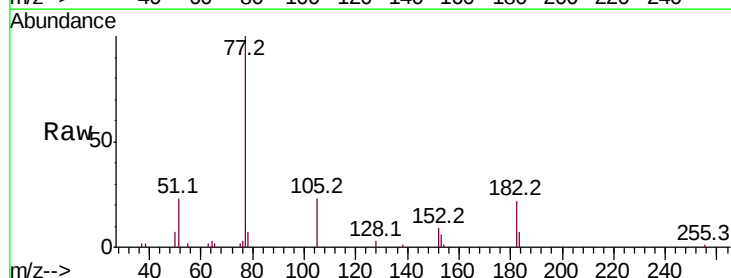
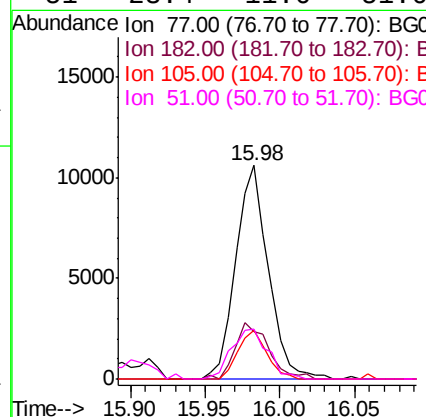
Manual Integrations  
APPROVED

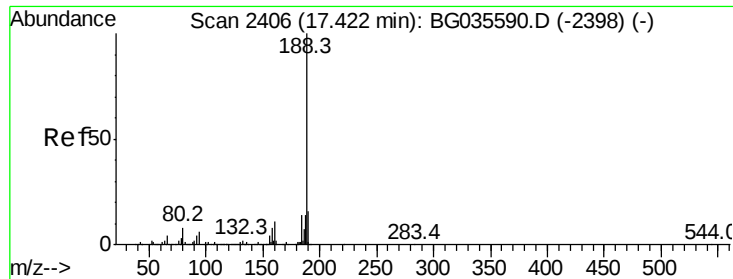
Sohil  
7/26/2018 4:59:25 PM



#62  
Azobenzene  
Concen: 1.747 ng  
RT: 15.98 min Scan# 2161  
Delta R.T. 0.00 min  
Lab File: BG035870.D  
Acq: 25 Jul 2018 12:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 182     | 22.4  | 7.4   | 47.4  |
| 105     | 23.0  | 0.3   | 40.3  |
| 51      | 23.4  | 11.6  | 51.6  |





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.39 min Scan# 2401

Delta R.T. -0.00 min

Lab File: BG035870.D

Acq: 25 Jul 2018 12:36

Instrument :

BNA\_G

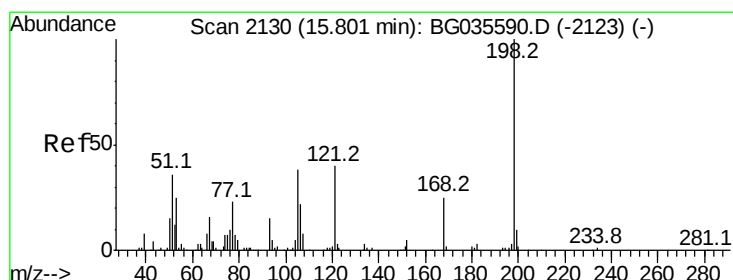
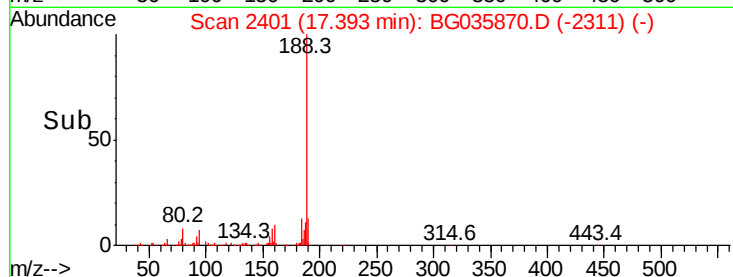
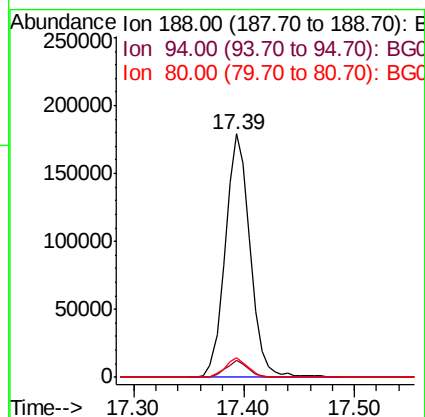
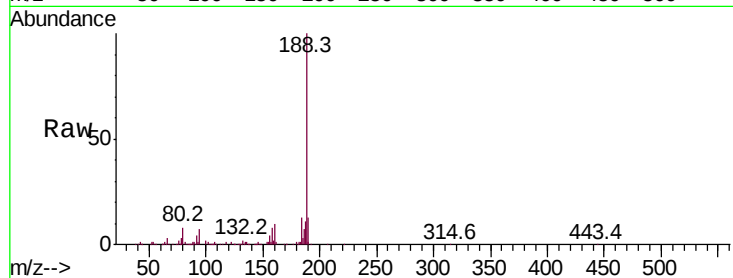
ClientSampleId :

MDL-WATER-03-QT3-2018

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 188   | Resp: | 281167 |
| Ion Ratio | Lower | Upper |        |
| 188       | 100   |       |        |
| 94        | 6.9   | 6.9   | 10.3#  |
| 80        | 8.1   | 7.7   | 11.5   |

Manual Integrations  
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7/26/2018 4:59:25 PM



#64

4,6-Dinitro-2-methylphenol

Concen: 0.035 ng

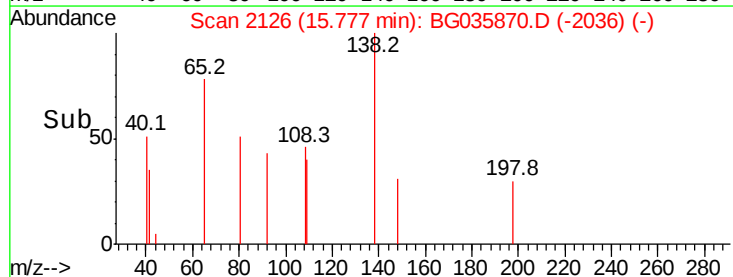
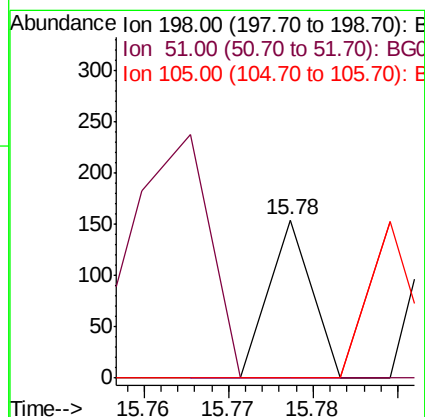
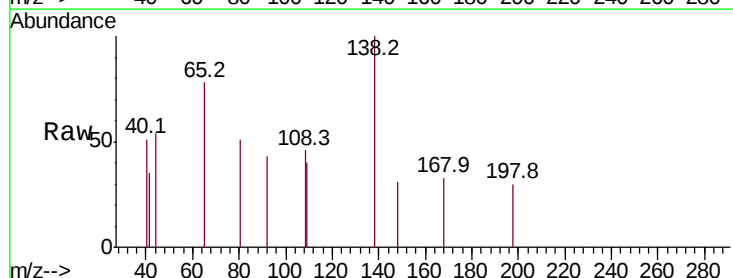
RT: 15.78 min Scan# 2126

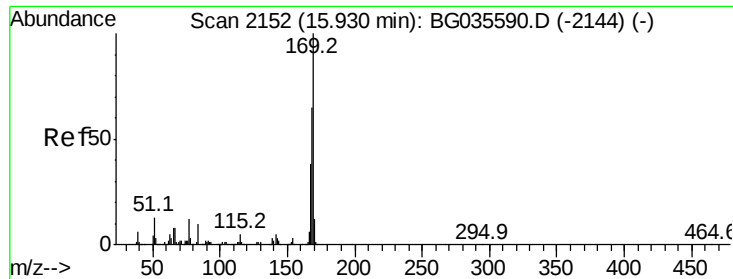
Delta R.T. -0.00 min

Lab File: BG035870.D

Acq: 25 Jul 2018 12:36

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 198   | Resp: | 54    |
| Ion Ratio | Lower | Upper |       |
| 198       | 100   |       |       |
| 51        | 0.0   | 30.6  | 70.6# |
| 105       | 0.0   | 23.8  | 63.8# |





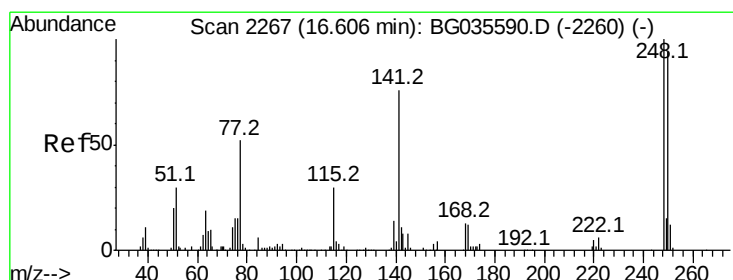
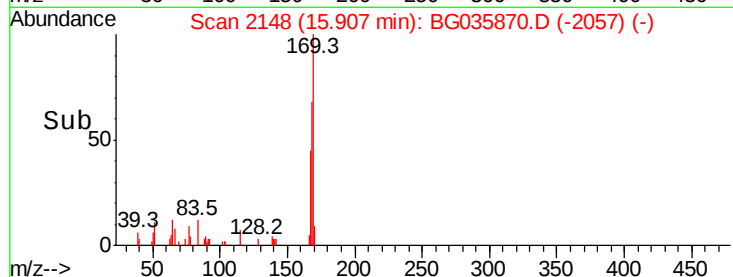
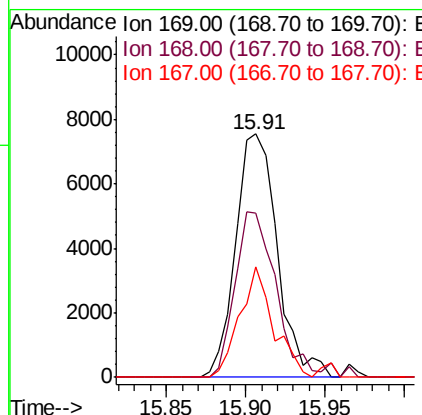
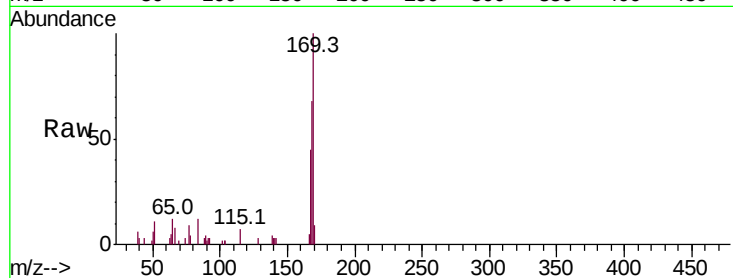
#65  
n-Nitrosodiphenylamine  
Concen: 1.724 ng  
RT: 15.91 min Scan# 2148  
Delta R.T. 0.00 min  
Lab File: BG035870.D  
Acq: 25 Jul 2018 12:36

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-WATER-03-QT3-2018

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 169     | 100   |      |       |       |
| 168     | 67.7  | 55.7 | 83.5  |       |
| 167     | 45.4  | 30.1 | 45.1  |       |

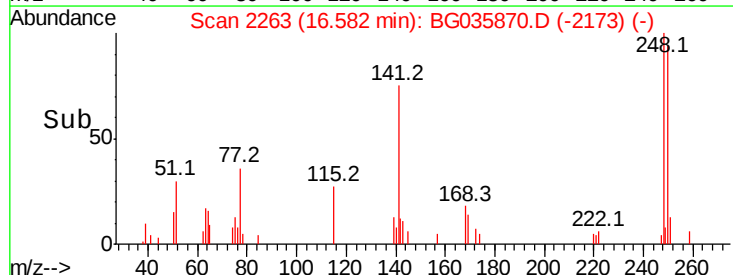
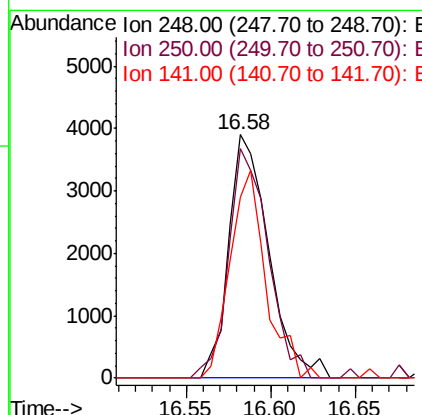
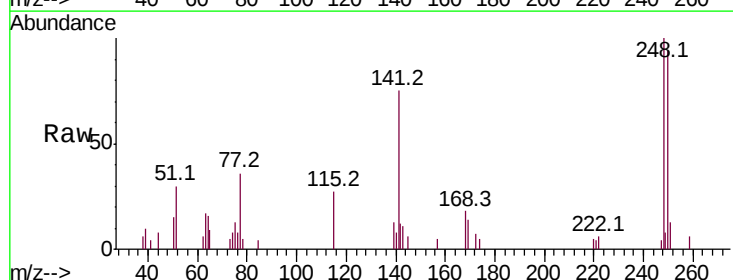
Manual Integrations  
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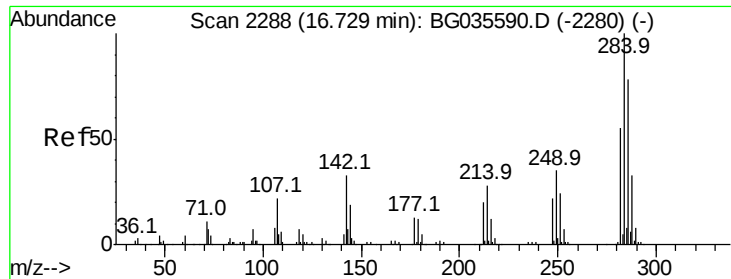
Sohil  
7/26/2018 4:59:25 PM



#66  
4-Bromophenyl-phenylether  
Concen: 1.972 ng  
RT: 16.58 min Scan# 2263  
Delta R.T. -0.00 min  
Lab File: BG035870.D  
Acq: 25 Jul 2018 12:36

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 248     | 100   |      |       |       |
| 250     | 94.3  | 77.1 | 115.7 |       |
| 141     | 74.5  | 50.8 | 76.2  |       |





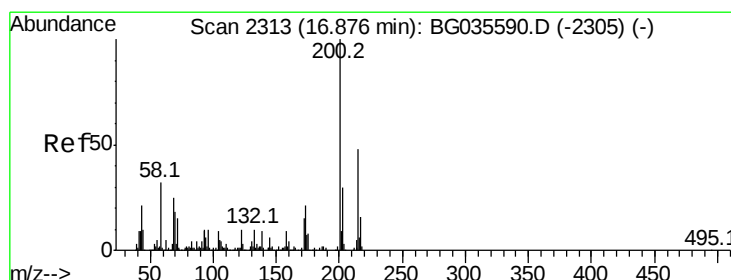
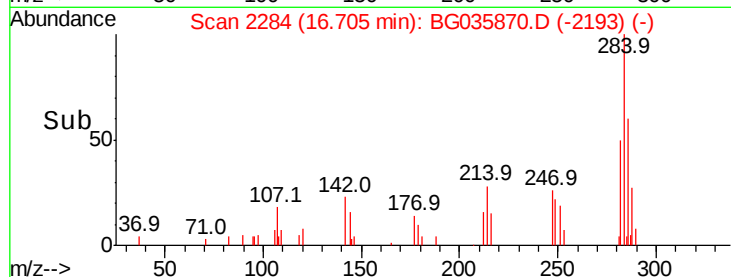
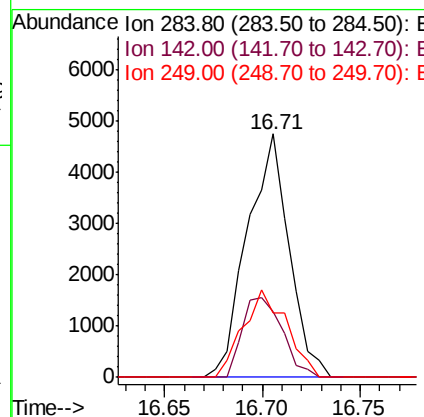
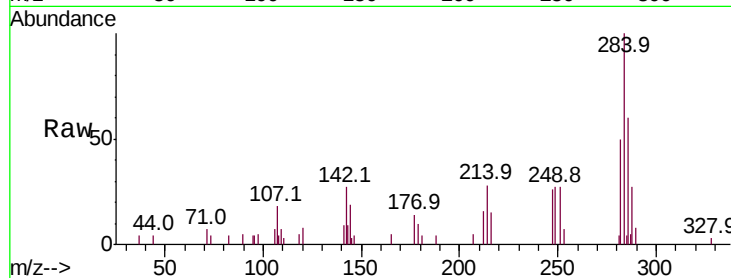
#67  
Hexachlorobenzene  
Concen: 2.097 ng  
RT: 16.71 min Scan# 2284  
Delta R.T. 0.00 min  
Lab File: BG035870.D  
Acq: 25 Jul 2018 12:36

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-WATER-03-QT3-2018

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 26.8  | 26.8  | 40.2# |
| 249     | 26.5  | 26.3  | 39.5  |

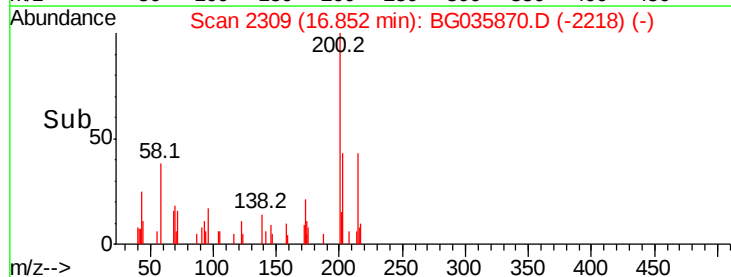
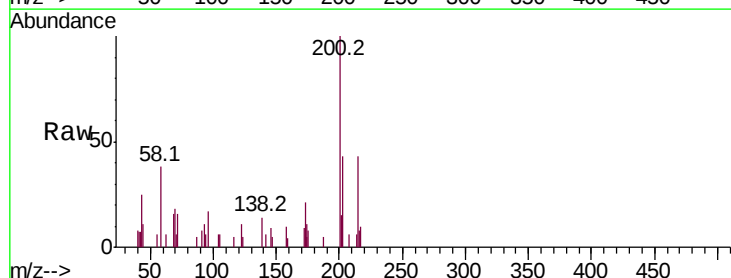
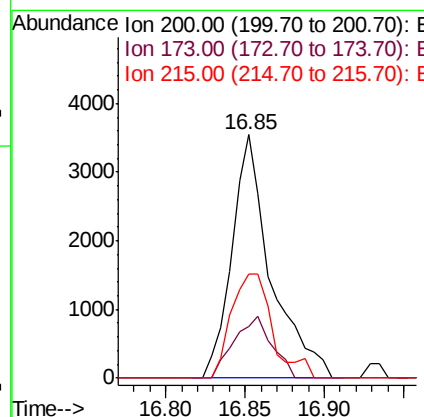
Manual Integrations  
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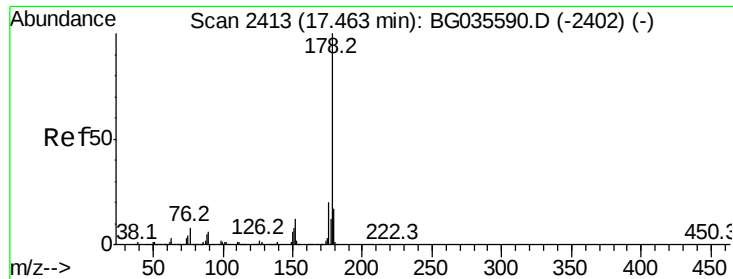
Sohil  
7/26/2018 4:59:25 PM



#68  
Atrazine  
Concen: 1.833 ng  
RT: 16.85 min Scan# 2309  
Delta R.T. 0.00 min  
Lab File: BG035870.D  
Acq: 25 Jul 2018 12:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 21.1  | 5.2   | 45.2  |
| 215     | 42.7  | 30.4  | 70.4  |





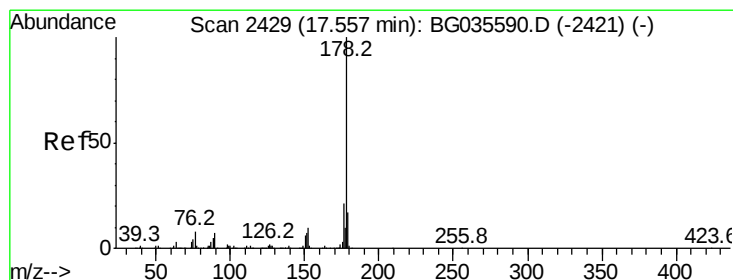
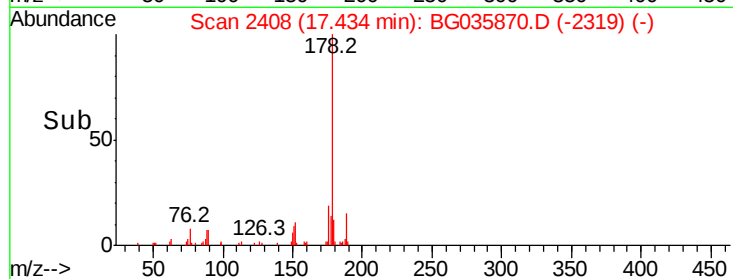
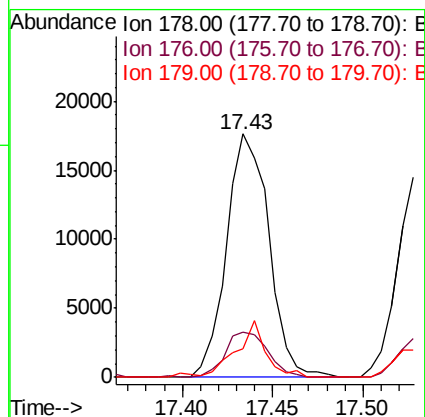
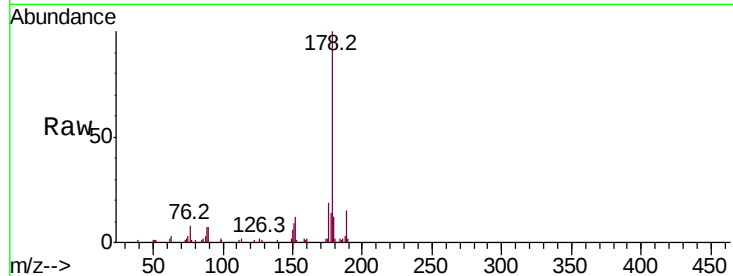
#70  
Phenanthrene  
Concen: 2.053 ng m  
RT: 17.43 min Scan# 2408  
Delta R.T. -0.01 min  
Lab File: BG035870.D  
Acq: 25 Jul 2018 12:36

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-WATER-03-QT3-2018

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.6  | 15.7  | 23.5  |
| 179     | 12.0  | 12.5  | 18.7  |

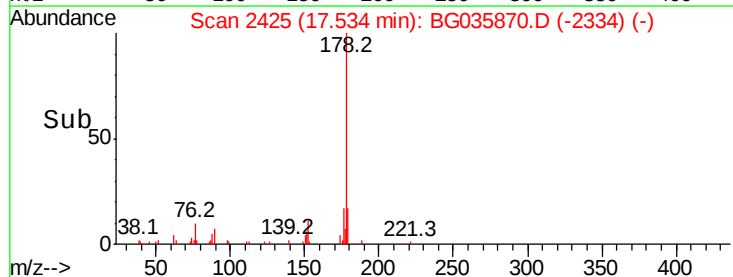
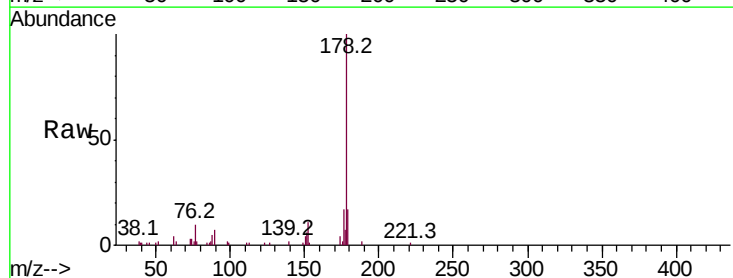
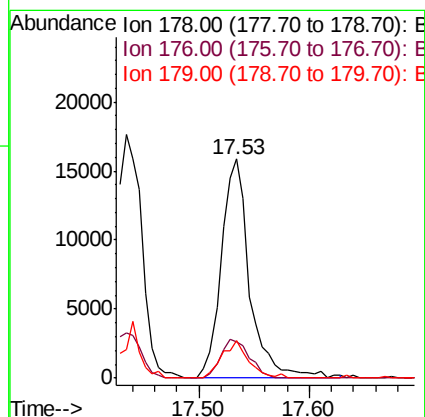
Manual Integrations  
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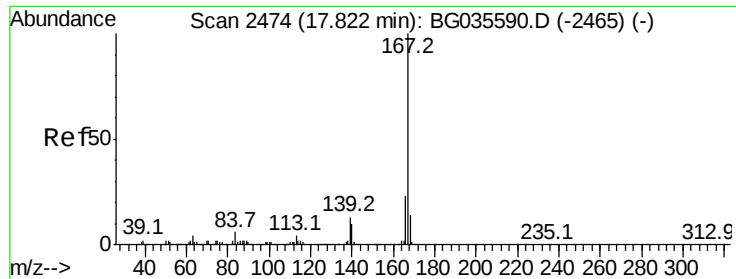
Sohil  
7/26/2018 4:59:25 PM



#71  
Anthracene  
Concen: 2.032 ng  
RT: 17.53 min Scan# 2425  
Delta R.T. 0.00 min  
Lab File: BG035870.D  
Acq: 25 Jul 2018 12:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 16.5  | 16.0  | 24.0  |
| 179     | 17.4  | 12.5  | 18.7  |





#72

Carbazole

Concen: 1.617 ng

RT: 17.81 min Scan# 2472

Delta R.T. 0.01 min

Lab File: BG035870.D

Acq: 25 Jul 2018 12:36

Instrument :

BNA\_G

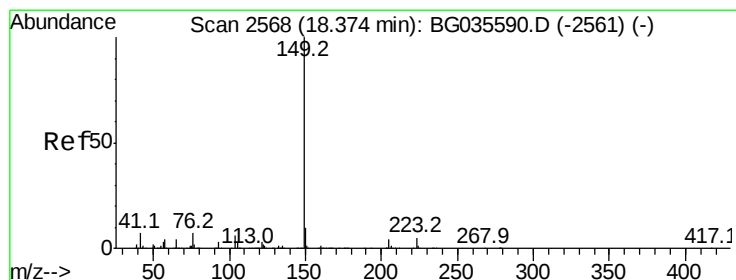
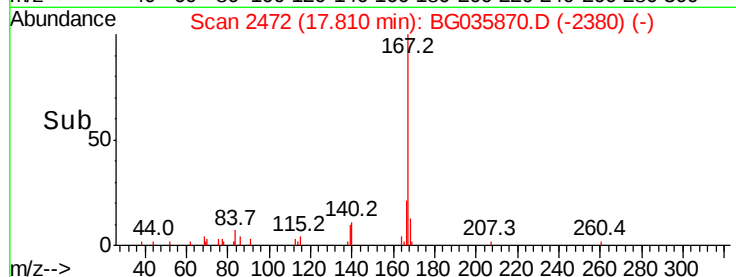
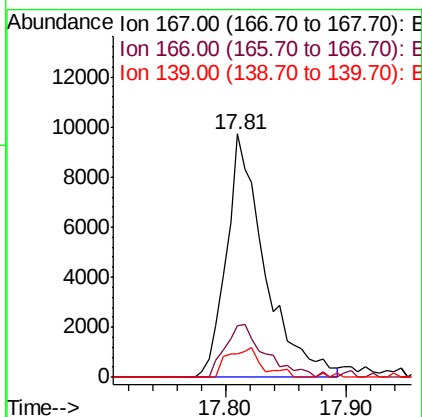
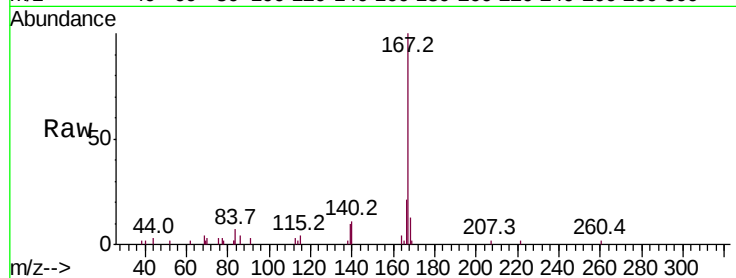
ClientSampleId :

MDL-WATER-03-QT3-2018

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 167   | Resp: | 21454 |
| Ion Ratio | Lower | Upper |       |
| 167       | 100   |       |       |
| 166       | 21.2  | 18.2  | 27.4  |
| 139       | 9.7   | 9.4   | 14.2  |

Manual Integrations  
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7/26/2018 4:59:25 PM



#73

Di-n-butylphthalate

Concen: 1.597 ng

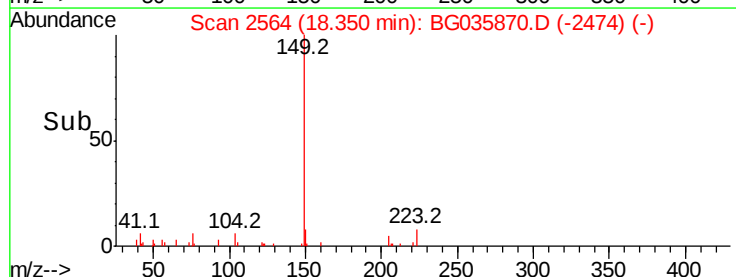
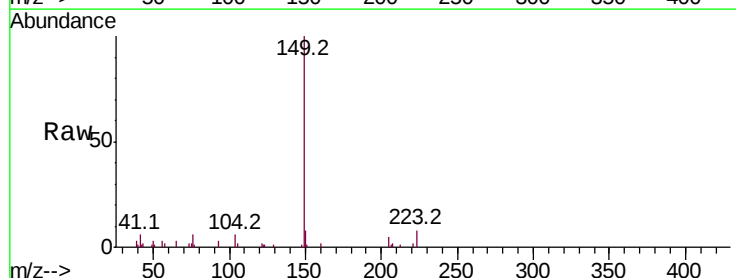
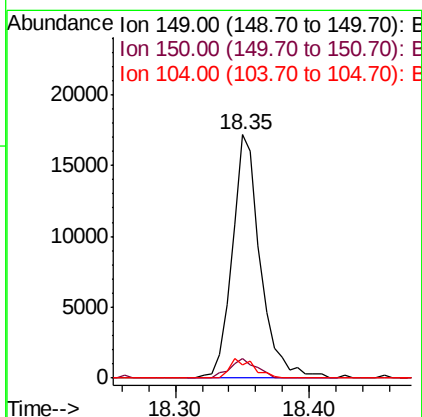
RT: 18.35 min Scan# 2564

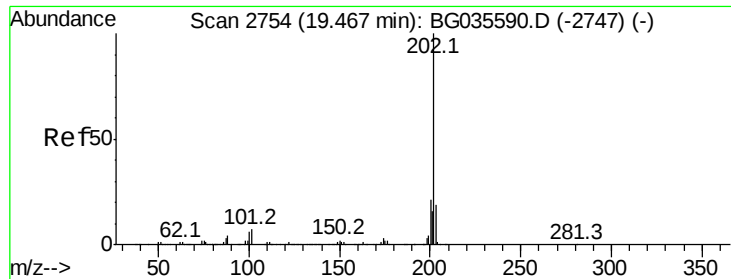
Delta R.T. -0.00 min

Lab File: BG035870.D

Acq: 25 Jul 2018 12:36

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 149   | Resp: | 25042 |
| Ion Ratio | Lower | Upper |       |
| 149       | 100   |       |       |
| 150       | 8.2   | 7.8   | 11.6  |
| 104       | 5.6   | 3.9   | 5.9   |





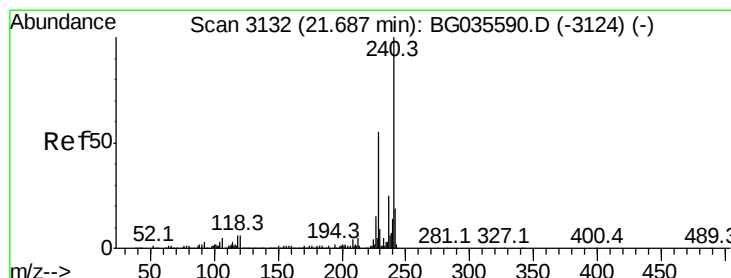
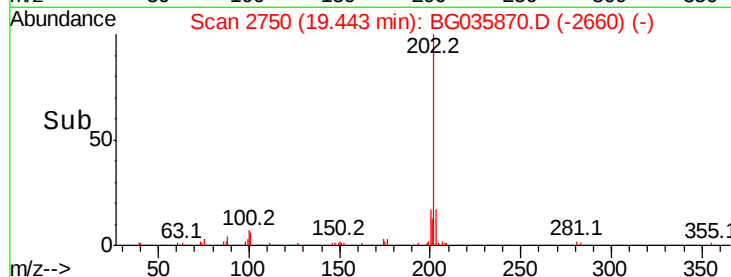
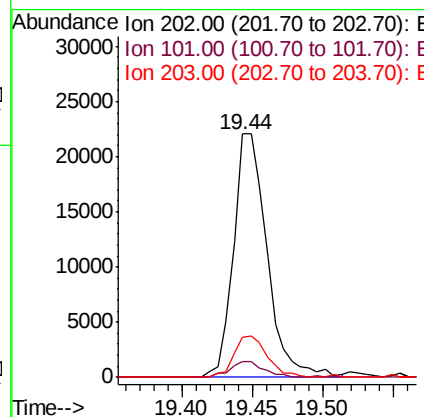
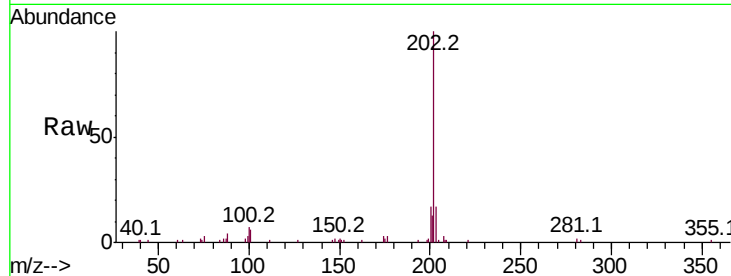
#74  
 Fluoranthene  
 Concen: 1.937 ng  
 RT: 19.44 min Scan# 2750  
 Delta R.T. -0.00 min  
 Lab File: BG035870.D  
 Acq: 25 Jul 2018 12:36

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MDL-WATER-03-QT3-2018

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 202     | 100   |            |       |
| 101     | 6.2   | 0.0        | 28.9  |
| 203     | 16.7  | 0.0        | 37.5  |

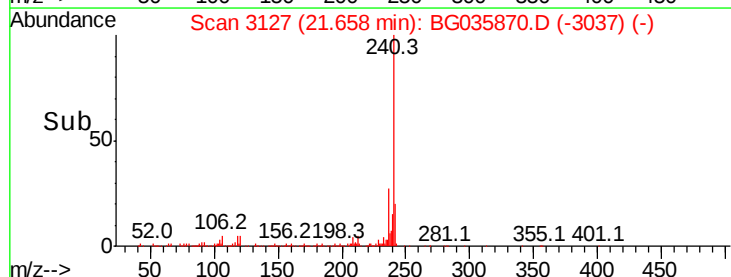
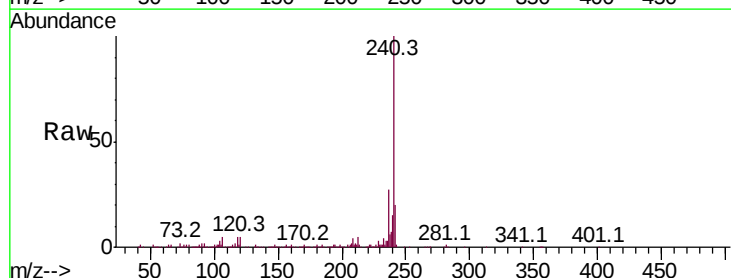
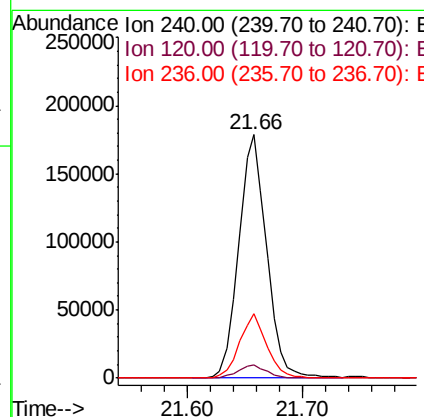
Manual Integrations  
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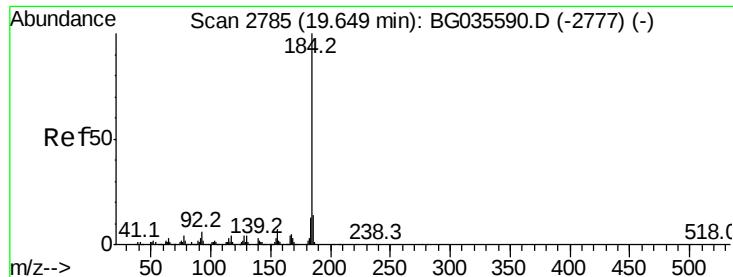
Sohil  
 7/26/2018 4:59:25 PM



#75  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 21.66 min Scan# 3127  
 Delta R.T. -0.00 min  
 Lab File: BG035870.D  
 Acq: 25 Jul 2018 12:36

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 240     | 100   |            |       |
| 120     | 5.5   | 6.8        | 10.2# |
| 236     | 26.5  | 20.9       | 31.3  |





#76

Benzidine

Concen: 0.282 ng

RT: 19.67 min Scan# 2789

Delta R.T. 0.05 min

Lab File: BG035870.D

Acq: 25 Jul 2018 12:36

Instrument :

BNA\_G

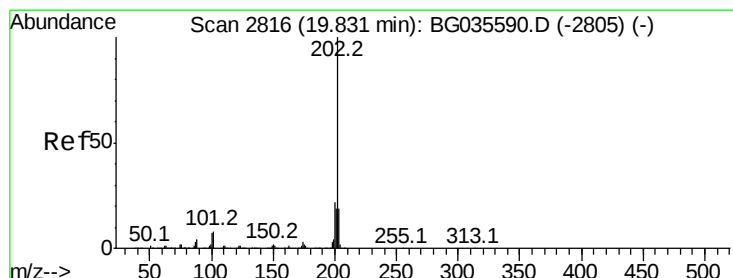
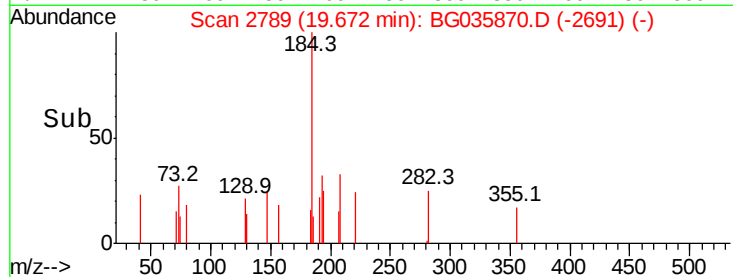
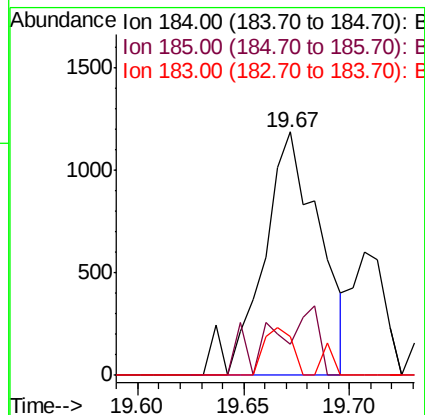
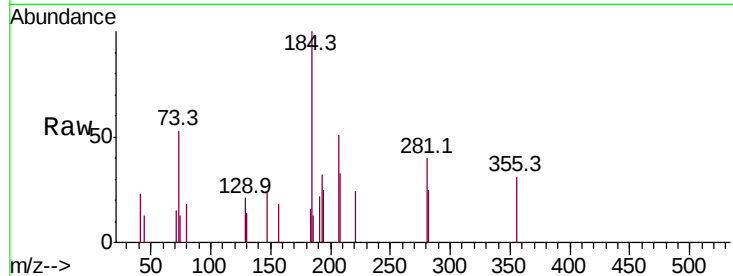
ClientSampleId :

MDL-WATER-03-QT3-2018

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 185     | 12.6  | 11.1  | 16.7  |
| 183     | 15.9  | 10.6  | 16.0  |

Manual Integrations  
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7/26/2018 4:59:25 PM



#77

Pyrene

Concen: 1.944 ng

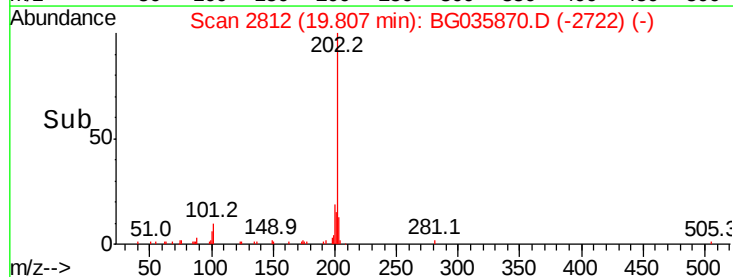
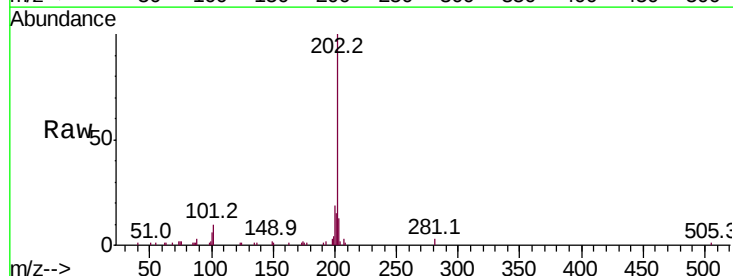
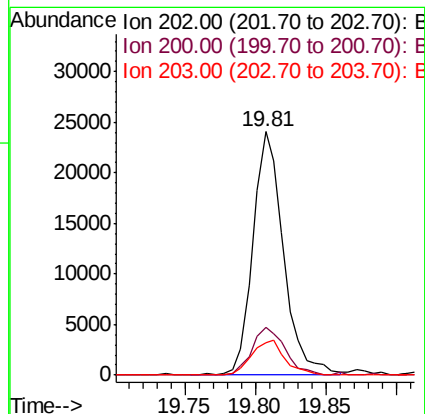
RT: 19.81 min Scan# 2812

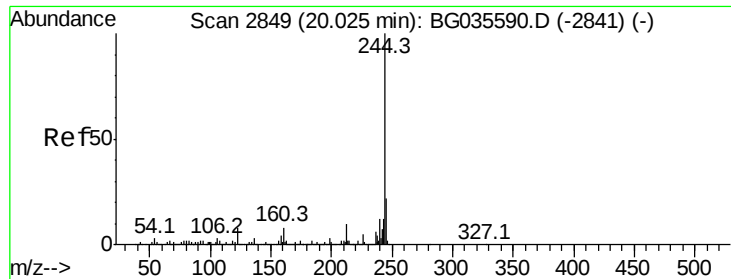
Delta R.T. -0.00 min

Lab File: BG035870.D

Acq: 25 Jul 2018 12:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 19.4  | 16.9  | 25.3  |
| 203     | 13.5  | 13.9  | 20.9# |





#78

Terphenyl-d14

Concen: 105.372 ng

RT: 20.00 min Scan# 2845

Delta R.T. -0.00 min

Lab File: BG035870.D

Acq: 25 Jul 2018 12:36

Instrument :

BNA\_G

ClientSampleId :

MDL-WATER-03-QT3-2018

Tot Ion:244 Resp: 1424774

Ion Ratio Lower Upper

244 100

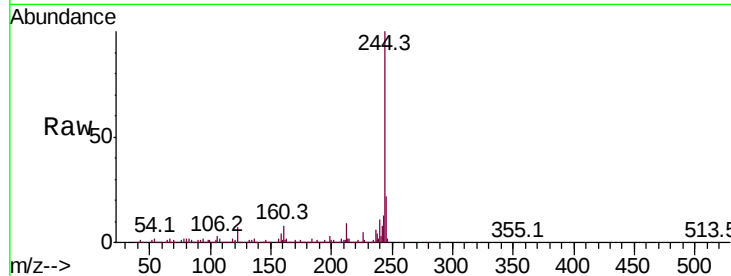
212 9.4 5.8 8.8#

122 7.2 7.0 10.4

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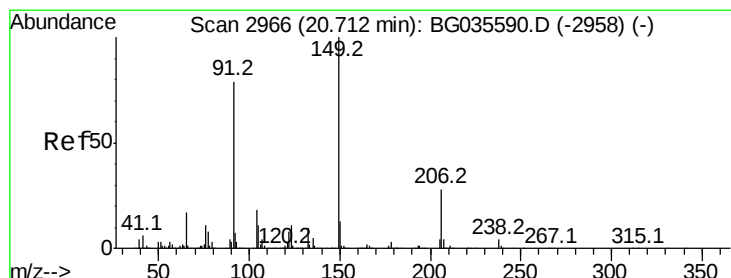
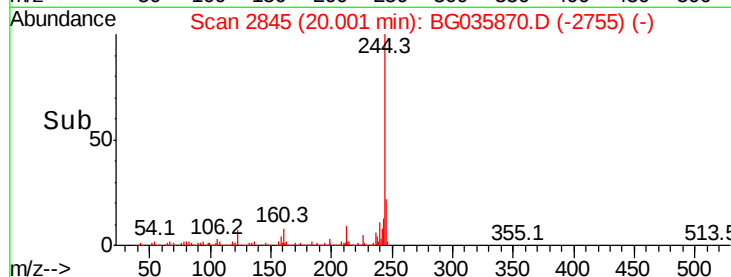
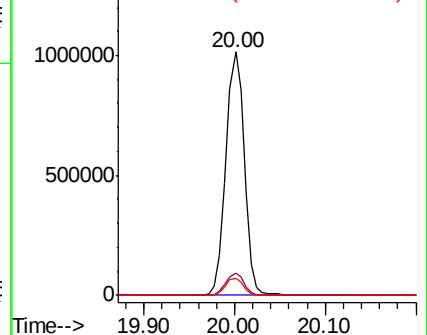
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#79

Butylbenzylphthalate

Concen: 1.681 ng

RT: 20.68 min Scan# 2961

Delta R.T. -0.00 min

Lab File: BG035870.D

Acq: 25 Jul 2018 12:36

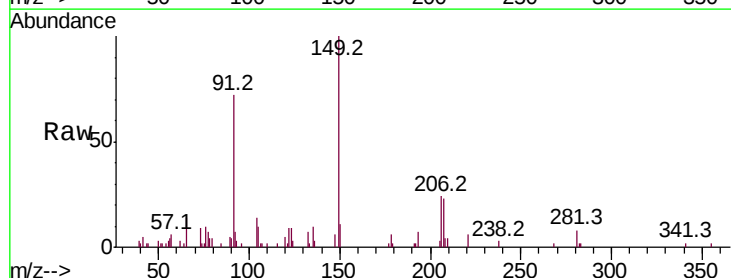
Tgt Ion:149 Resp: 11328

Ion Ratio Lower Upper

149 100

91 71.7 62.2 93.2

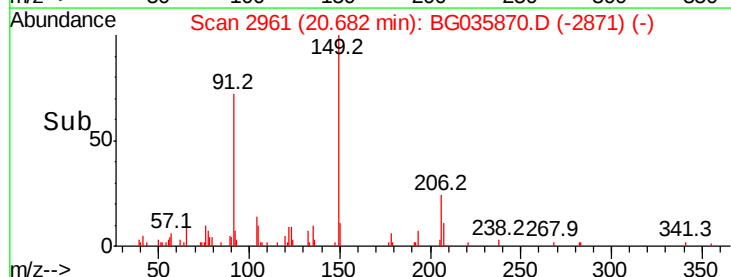
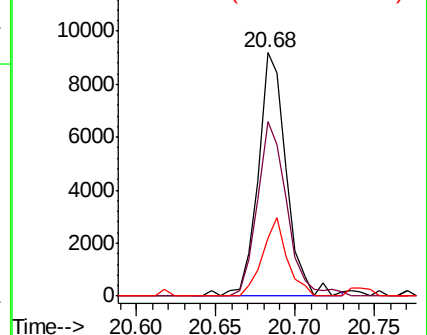
206 23.6 18.6 27.8

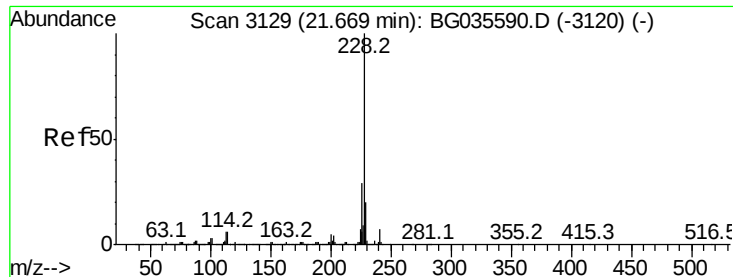


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





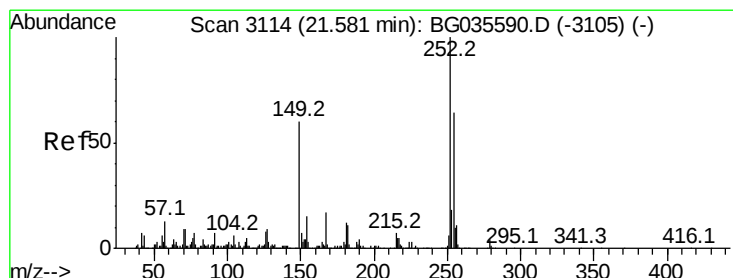
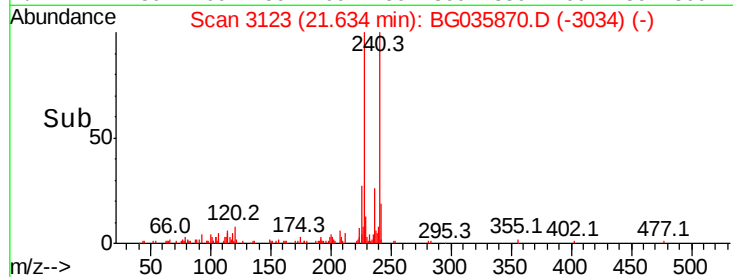
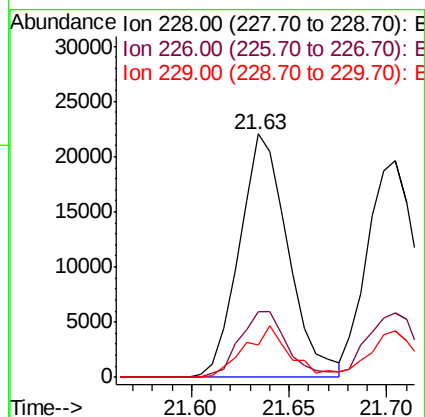
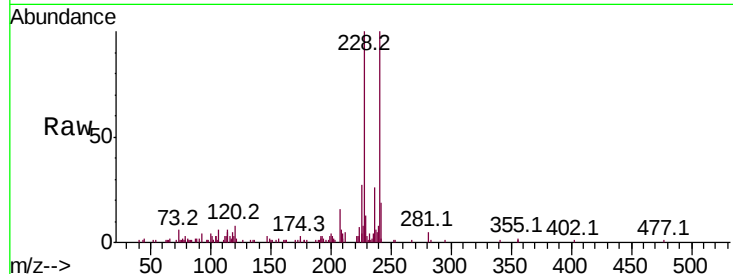
#80  
Benzo(a)anthracene  
Concen: 2.054 ng m  
RT: 21.63 min Scan# 3123  
Delta R.T. -0.01 min  
Lab File: BG035870.D  
Acq: 25 Jul 2018 12:36

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-WATER-03-QT3-2018

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 27.1  | 22.7  | 34.1  |
| 229     | 13.3  | 16.2  | 24.2  |

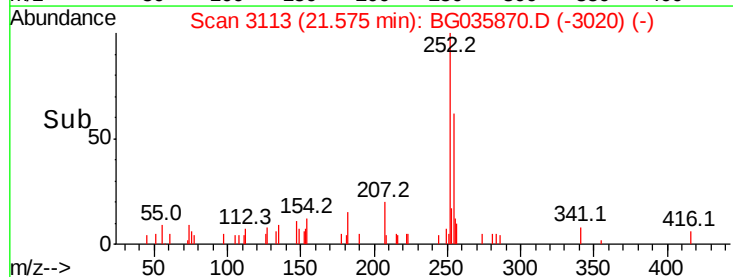
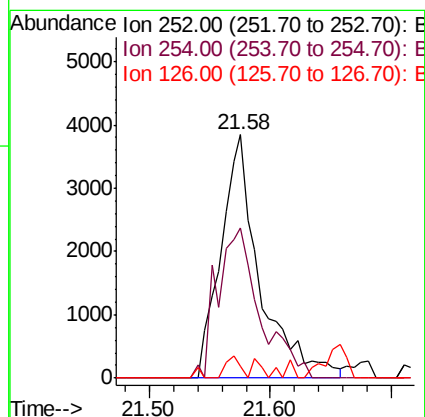
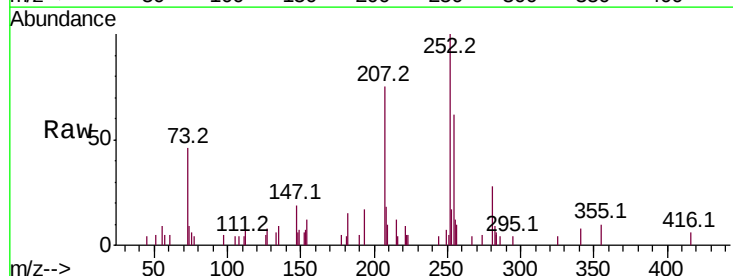
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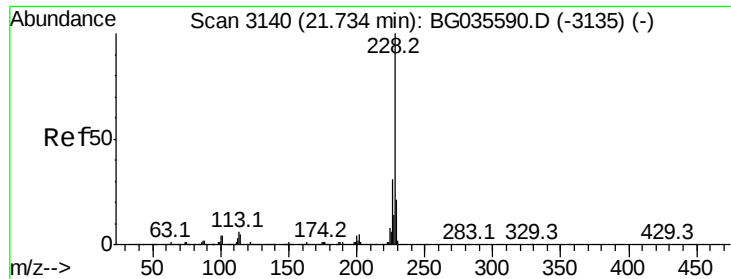
Sohil  
7/26/2018 4:59:25 PM



#81  
3,3'-Dichlorobenzidine  
Concen: 1.318 ng  
RT: 21.58 min Scan# 3113  
Delta R.T. 0.02 min  
Lab File: BG035870.D  
Acq: 25 Jul 2018 12:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 61.7  | 50.8  | 76.2  |
| 126     | 5.0   | 7.4   | 11.2  |





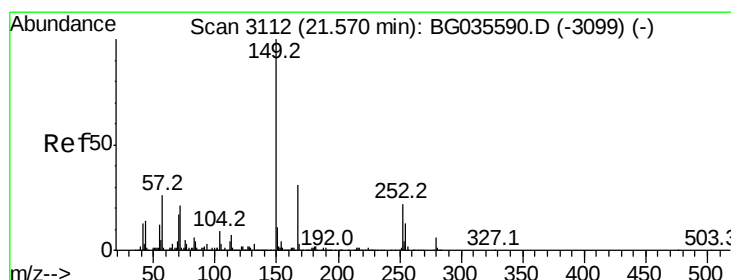
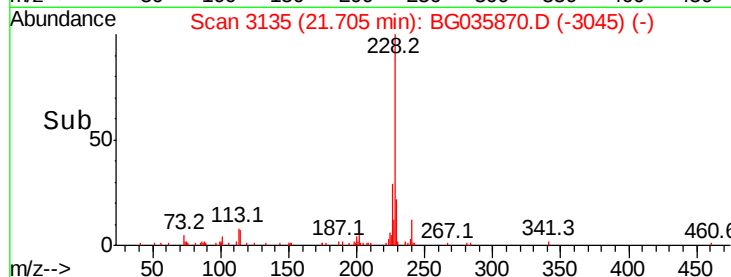
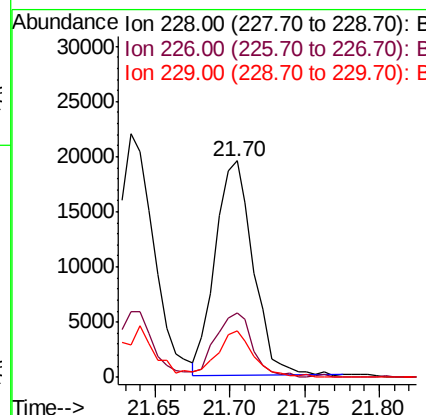
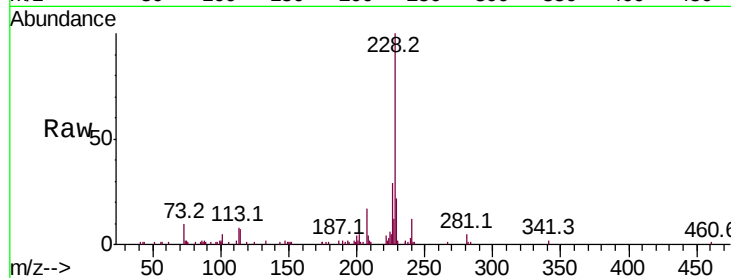
#82  
Chrysene  
Concen: 2.029 ng  
RT: 21.70 min Scan# 3135  
Delta R.T. -0.00 min  
Lab File: BG035870.D  
Acq: 25 Jul 2018 12:36

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-WATER-03-QT3-2018

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 228   | Resp: | 34920 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 29.4  | 24.9  | 37.3  |
| 229       | 21.7  | 15.0  | 22.4  |

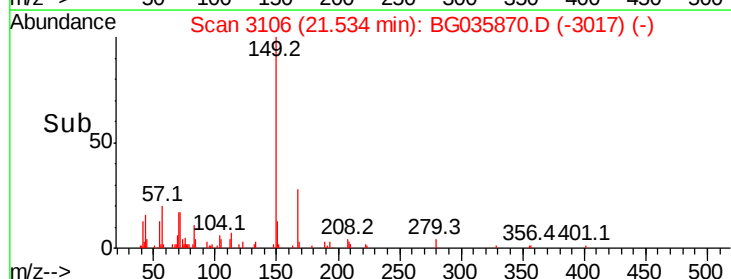
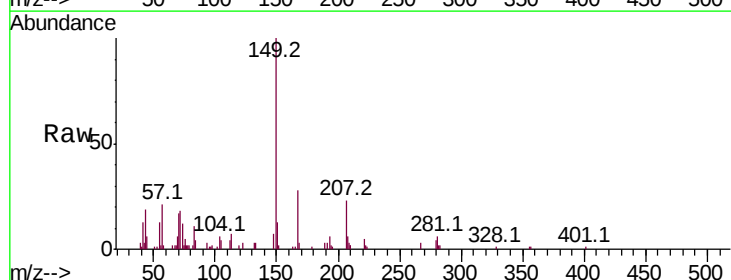
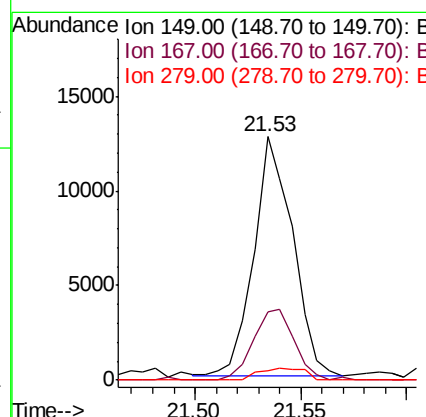
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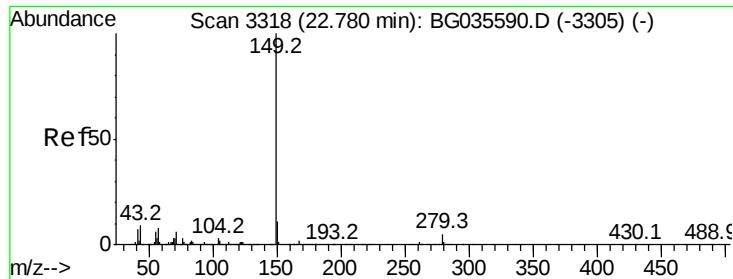
Sohil  
7/26/2018 4:59:25 PM



#83  
Bis(2-ethylhexyl)phthalate  
Concen: 1.759 ng  
RT: 21.53 min Scan# 3106  
Delta R.T. -0.01 min  
Lab File: BG035870.D  
Acq: 25 Jul 2018 12:36

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 149   | Resp: | 16121 |
| Ion Ratio | Lower | Upper |       |
| 149       | 100   |       |       |
| 167       | 28.1  | 24.3  | 36.5  |
| 279       | 3.7   | 4.0   | 6.0#  |





#84

Di-n-octyl phthalate

Concen: 1.846 ng

RT: 22.74 min Scan# 3311

Delta R.T. -0.00 min

Lab File: BG035870.D

Acq: 25 Jul 2018 12:36

Instrument :

BNA\_G

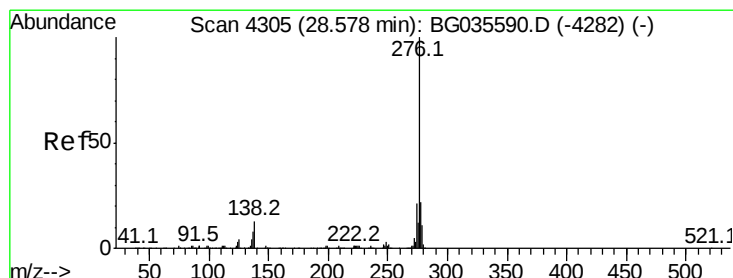
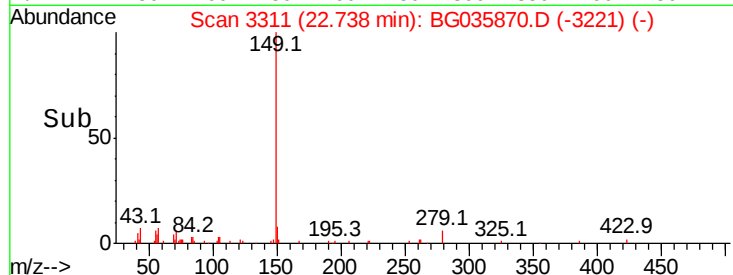
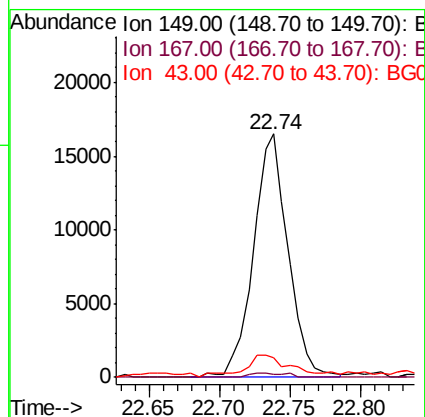
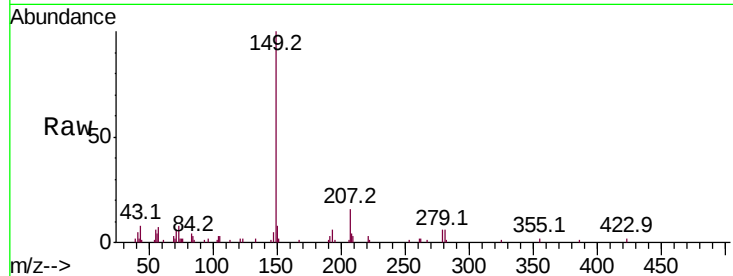
ClientSampleId :

MDL-WATER-03-QT3-2018

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 149   | Resp: | 28315 |
| Ion Ratio | Lower | Upper |       |
| 149       | 100   |       |       |
| 167       | 1.8   | 1.4   | 2.0   |
| 43        | 0.0   | 8.9   | 13.3# |

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#85

Indeno(1,2,3-cd)pyrene

Concen: 1.860 ng m

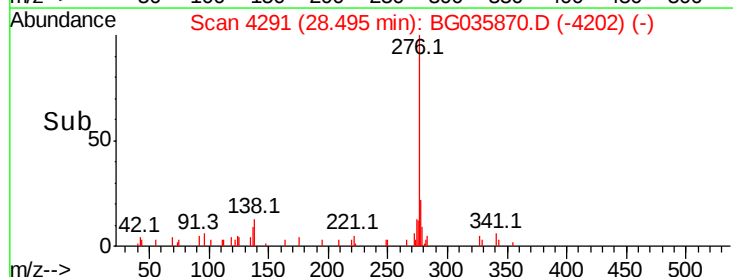
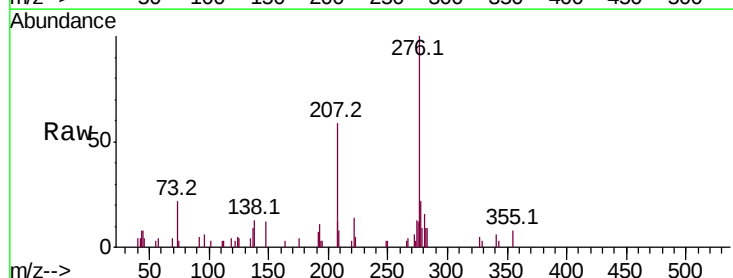
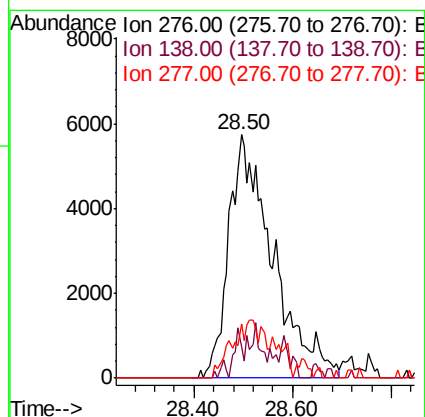
RT: 28.50 min Scan# 4291

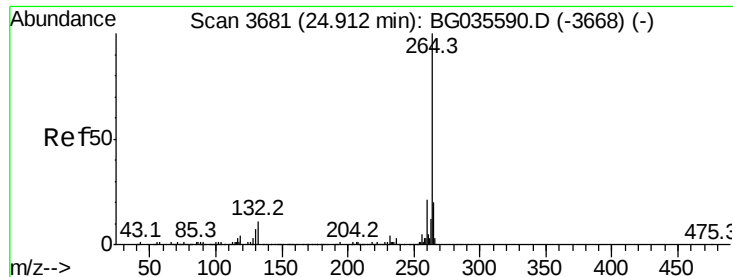
Delta R.T. -0.01 min

Lab File: BG035870.D

Acq: 25 Jul 2018 12:36

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 35447 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 3.5   | 16.0  | 24.0# |
| 277       | 0.0   | 20.0  | 30.0# |





#86

Pervlene-d12

Concen: 20.000 ng

RT: 24.85 min Scan# 3671

Delta R.T. -0.01 min

Lab File: BG035870.D

Acq: 25 Jul 2018 12:36

Instrument :

BNA\_G

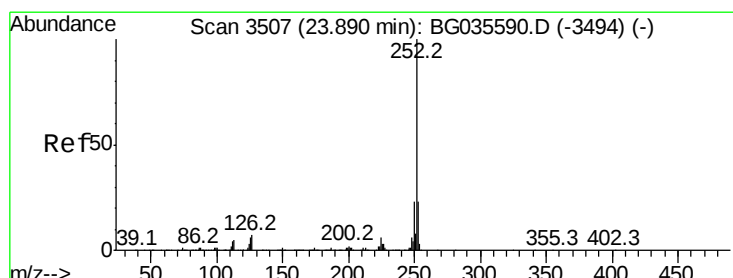
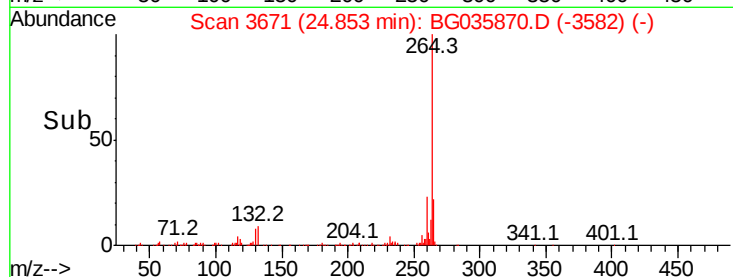
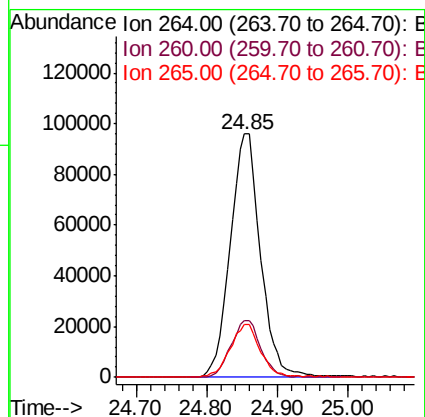
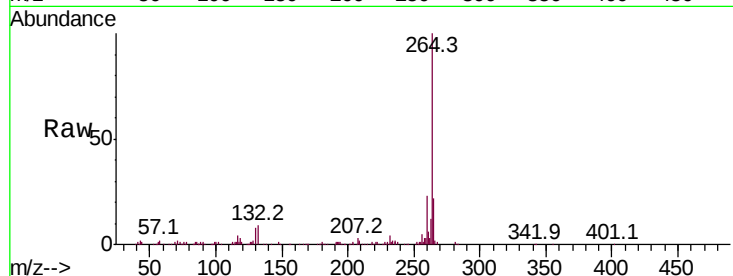
ClientSampleId :

MDL-WATER-03-QT3-2018

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 264   | Resp: | 285153 |
| Ion Ratio | Lower | Upper |        |
| 264       | 100   |       |        |
| 260       | 23.1  | 17.4  | 26.0   |
| 265       | 21.7  | 17.7  | 26.5   |

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#87

Benzo(b)fluoranthene

Concen: 1.957 ng

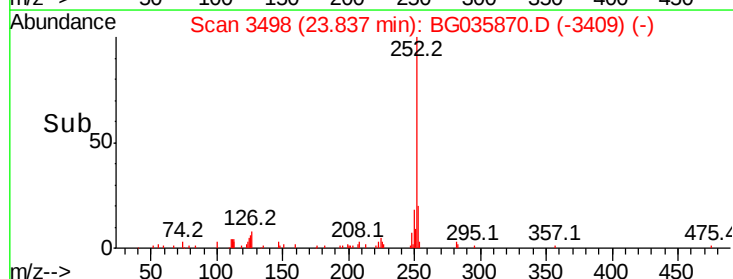
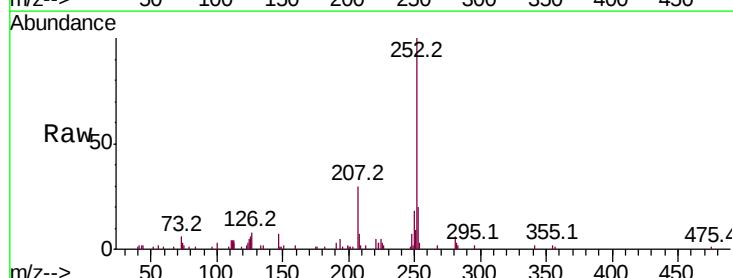
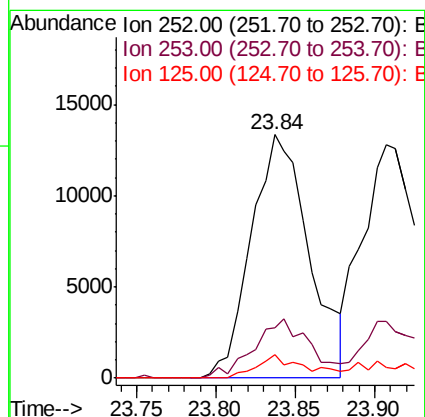
RT: 23.84 min Scan# 3498

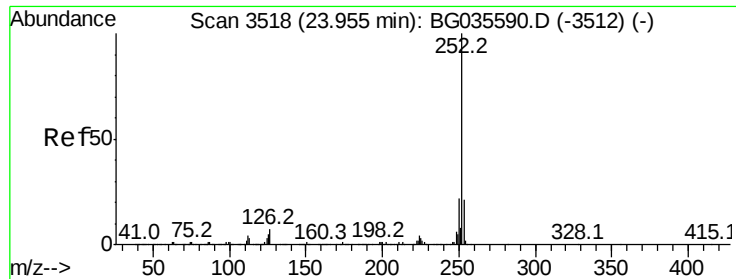
Delta R.T. -0.01 min

Lab File: BG035870.D

Acq: 25 Jul 2018 12:36

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 33917 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 20.4  | 18.2  | 27.4  |
| 125       | 9.6   | 7.2   | 10.8  |





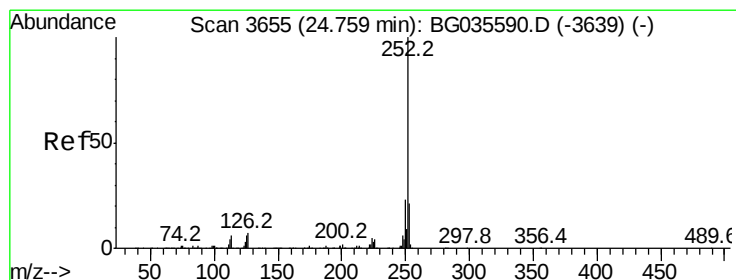
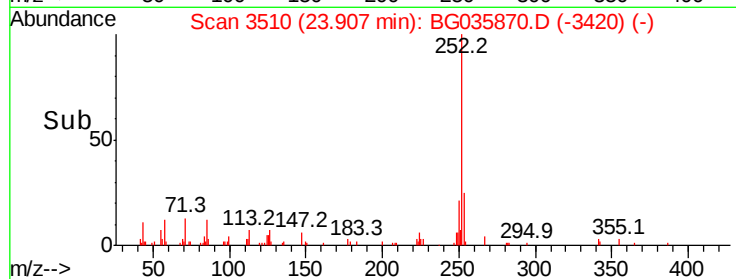
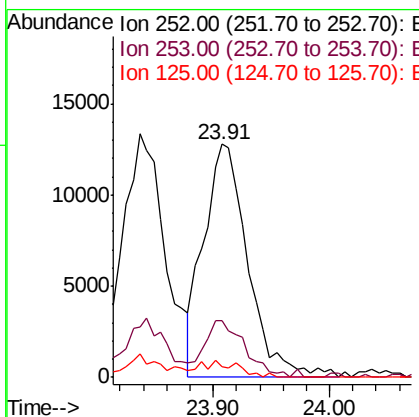
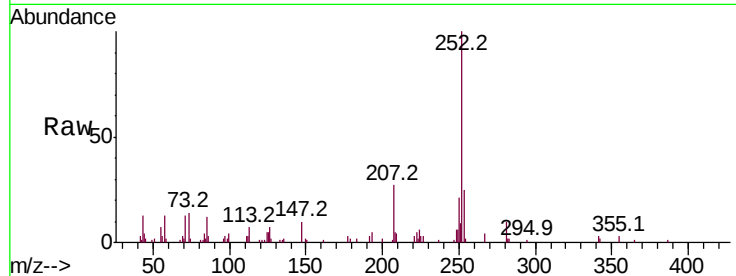
#88  
Benzo(k)fluoranthene  
Concen: 1.993 ng m  
RT: 23.91 min Scan# 3510  
Delta R.T. -0.00 min  
Lab File: BG035870.D  
Acq: 25 Jul 2018 12:36

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-WATER-03-QT3-2018

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.5  | 17.4  | 26.2  |
| 125     | 4.7   | 6.6   | 9.8   |

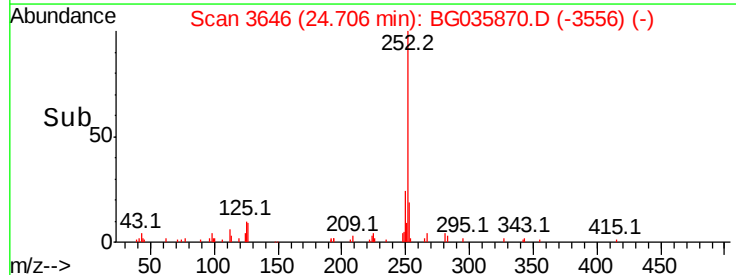
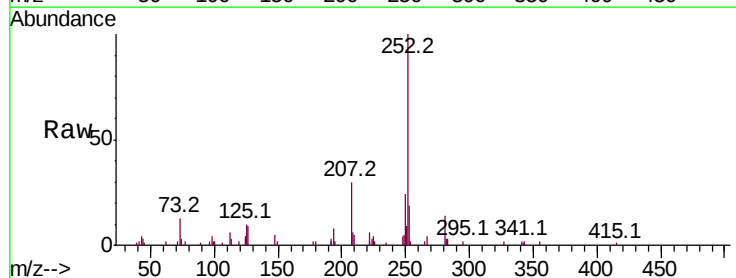
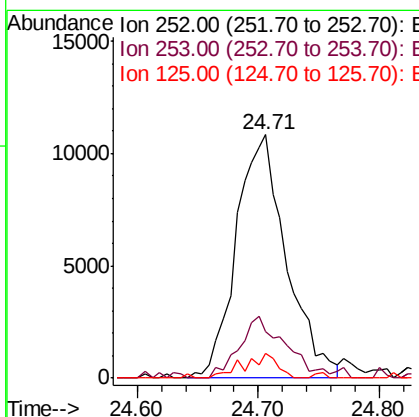
Manual Integrations  
APPROVED

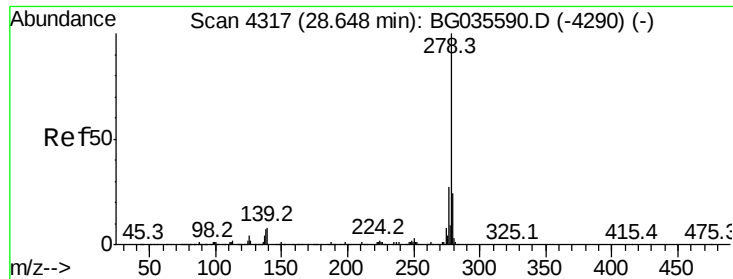
Sohil  
7/26/2018 4:59:25 PM



#89  
Benzo(a)pyrene  
Concen: 1.943 ng  
RT: 24.71 min Scan# 3646  
Delta R.T. -0.00 min  
Lab File: BG035870.D  
Acq: 25 Jul 2018 12:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 19.3  | 18.3  | 27.5  |
| 125     | 10.2  | 7.3   | 10.9  |





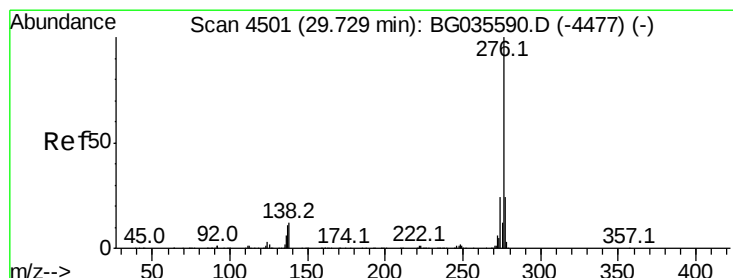
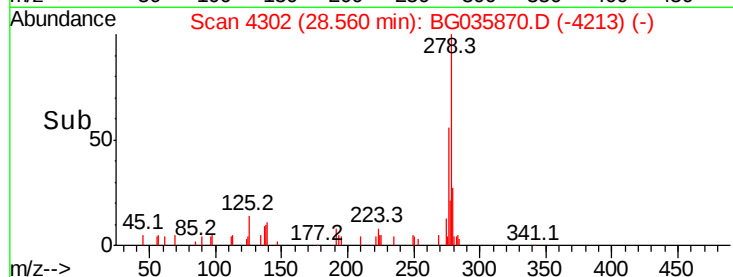
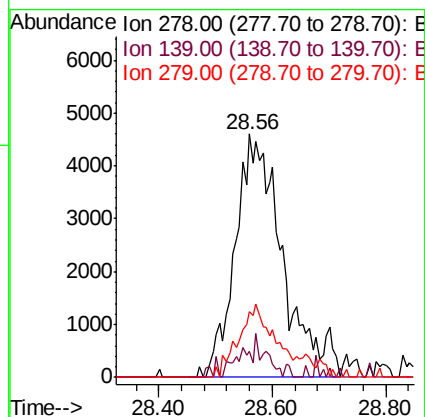
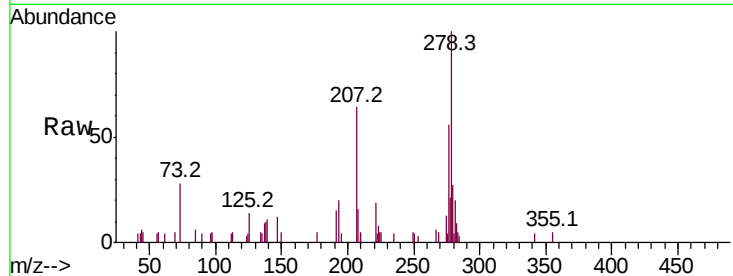
#90  
Dibenzo(a,h)anthracene  
Concen: 1.685 ng m  
RT: 28.56 min Scan# 4302  
Delta R.T. -0.01 min  
Lab File: BG035870.D  
Acq: 25 Jul 2018 12:36

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-WATER-03-QT3-2018

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 10.7  | 9.8   | 14.6  |
| 279     | 27.0  | 18.4  | 27.6  |

Manual Integrations  
APPROVED

Sohil  
7/26/2018 4:59:25 PM



#91  
Benzo(g,h,i)perylene  
Concen: 1.955 ng m  
RT: 29.62 min Scan# 4483  
Delta R.T. -0.01 min  
Lab File: BG035870.D  
Acq: 25 Jul 2018 12:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 19.5  | 18.3  | 27.5  |
| 138     | 14.3  | 13.9  | 20.9  |

