

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042518\  
 Data File : BF104787.D  
 Acq On : 25 Apr 2018 14:32  
 Operator : JU/SJ  
 Sample : J2470-04MS  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HW-12-4-18-18MS

Manual Integrations  
 APPROVED

Sohil  
 4/26/2018 6:09:33 PM

Quant Time: Apr 26 10:51:11 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Apr 25 14:01:50 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.80  | 152  | 105961   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.09  | 136  | 462008   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.85  | 164  | 226826   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.33 | 188  | 426986   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 13.99 | 240  | 259610   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.45 | 264  | 229331   | 20.00 | ng    | -0.01    |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.42  | 112 | 465845  | 67.22  | ng | 0.00 |
| 7) Phenol-d6             | 6.44  | 99  | 411156  | 48.29  | ng | 0.00 |
| 23) Nitrobenzene-d5      | 7.37  | 82  | 758967  | 107.27 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.65 | 330 | 355617  | 151.14 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 9.16  | 172 | 1408110 | 98.07  | ng | 0.00 |
| 78) Terphenyl-d14        | 12.93 | 244 | 1388031 | 121.89 | ng | 0.00 |

## Target Compounds

|                                |      |     |         |        |    | Qvalue |
|--------------------------------|------|-----|---------|--------|----|--------|
| 2) 1,4-Dioxane                 | 2.53 | 88  | 46605   | 14.433 | ng | 90     |
| 3) Pyridine                    | 3.28 | 79  | 97813   | 10.774 | ng | 85     |
| 4) n-Nitrosodimethylamine      | 3.21 | 42  | 53712   | 16.925 | ng | # 86   |
| 6) Aniline                     | 6.46 | 93  | 123399  | 10.432 | ng | 92     |
| 8) 2-Chlorophenol              | 6.59 | 128 | 288321  | 39.419 | ng | 91     |
| 9) Benzaldehyde                | 6.35 | 77  | 165544  | 37.717 | ng | 96     |
| 10) Phenol                     | 6.45 | 94  | 151218  | 16.738 | ng | 90     |
| 11) bis(2-Chloroethyl)ether    | 6.54 | 93  | 316139  | 43.851 | ng | 93     |
| 12) 1,3-Dichlorobenzene        | 6.74 | 146 | 344749  | 41.605 | ng | 99     |
| 13) 1,4-Dichlorobenzene        | 6.82 | 146 | 353324  | 42.776 | ng | 100    |
| 14) 1,2-Dichlorobenzene        | 6.97 | 146 | 332085  | 43.385 | ng | 98     |
| 15) Benzyl Alcohol             | 6.95 | 79  | 193945  | 29.990 | ng | 98     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.07 | 45  | 380341  | 39.284 | ng | 63     |
| 17) 2-Methylphenol             | 7.06 | 107 | 232626  | 36.588 | ng | # 93   |
| 18) Hexachloroethane           | 7.31 | 117 | 128375  | 43.591 | ng | 98     |
| 19) n-Nitroso-di-n-propylamine | 7.22 | 70  | 242887  | 43.654 | ng | 91     |
| 20) 3+4-Methylphenols          | 7.22 | 107 | 255353  | 32.383 | ng | # 49   |
| 22) Acetophenone               | 7.22 | 105 | 486847  | 42.802 | ng | # 100  |
| 24) Nitrobenzene               | 7.39 | 77  | 366912  | 46.970 | ng | 96     |
| 25) Isophorone                 | 7.63 | 82  | 694600  | 46.425 | ng | 98     |
| 26) 2-Nitrophenol              | 7.70 | 139 | 194897  | 61.285 | ng | 96     |
| 27) 2,4-Dimethylphenol         | 7.75 | 122 | 305532  | 46.271 | ng | 99     |
| 28) bis(2-Chloroethoxy)methane | 7.83 | 93  | 437125  | 47.784 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 7.95 | 162 | 289292  | 45.917 | ng | 98     |
| 30) 1,2,4-Trichlorobenzene     | 8.03 | 180 | 308473  | 44.613 | ng | 99     |
| 31) Naphthalene                | 8.11 | 128 | 1010770 | 43.936 | ng | 99     |
| 33) 4-Chloroaniline            | 8.16 | 127 | 82489   | 8.369  | ng | 97     |
| 34) Hexachlorobutadiene        | 8.22 | 225 | 169168  | 44.667 | ng | 99     |
| 35) Caprolactam                | 8.54 | 113 | 15313m  | 6.967  | ng |        |
| 36) 4-Chloro-3-methylphenol    | 8.65 | 107 | 316151  | 46.798 | ng | 99     |
| 37) 2-Methylnaphthalene        | 8.80 | 142 | 696987  | 46.837 | ng | 96     |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.97 | 216 | 313658  | 48.307 | ng | 100    |
| 40) Hexachlorocyclopentadiene  | 8.95 | 237 | 208094  | 57.247 | ng | 98     |
| 42) 2,4,6-Trichlorophenol      | 9.09 | 196 | 215914  | 47.902 | ng | 98     |

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 BNA\_F  
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 HW-12-4-18-18MS

Manual Integrations  
 APPROVED

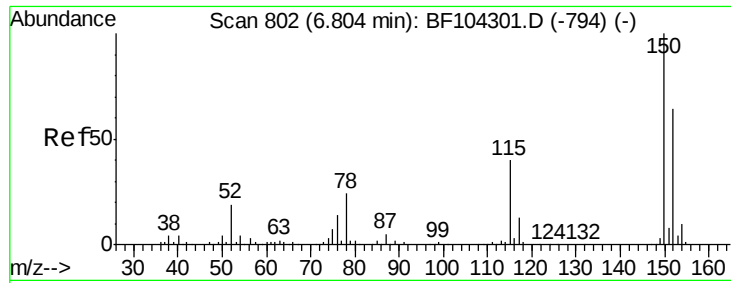
Sohil  
 4/26/2018 6:09:33 PM

Quant Time: Apr 26 10:51:11 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M  
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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 43) 2,4,5-Trichlorophenol      | 9.13  | 196  | 231819   | 45.960 | nq    | 98       |
| 45) 1,1'-Biphenyl              | 9.27  | 154  | 857163   | 44.984 | nq    | 98       |
| 46) 2-Chloronaphthalene        | 9.29  | 162  | 674206   | 44.795 | nq    | 98       |
| 47) 2-Nitroaniline             | 9.40  | 65   | 204745   | 55.008 | nq    | 88       |
| 48) Acenaphthylene             | 9.71  | 152  | 1004451  | 42.535 | nq    | 100      |
| 49) Dimethylphthalate          | 9.57  | 163  | 882869   | 49.358 | nq    | 100      |
| 50) 2,6-Dinitrotoluene         | 9.64  | 165  | 184817   | 55.840 | nq    | 97       |
| 51) Acenaphthene               | 9.88  | 154  | 596718   | 41.416 | nq    | 99       |
| 52) 3-Nitroaniline             | 9.80  | 138  | 62792    | 16.205 | nq    | 99       |
| 53) 2,4-Dinitrophenol          | 9.92  | 184  | 96737    | 73.532 | nq    | # 22     |
| 54) Dibenzofuran               | 10.05 | 168  | 894037   | 44.526 | nq    | 95       |
| 55) 4-Nitrophenol              | 9.98  | 139  | 98998    | 32.525 | nq    | 98       |
| 56) 2,4-Dinitrotoluene         | 10.05 | 165  | 238252   | 54.878 | nq    | # 95     |
| 57) Fluorene                   | 10.40 | 166  | 730477   | 49.981 | nq    | 100      |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.17 | 232  | 185473   | 49.289 | nq    | 93       |
| 59) Diethylphthalate           | 10.27 | 149  | 860659   | 48.313 | nq    | 98       |
| 60) 4-Chlorophenyl-phenylether | 10.39 | 204  | 343827   | 52.825 | nq    | 98       |
| 61) 4-Nitroaniline             | 10.43 | 138  | 179788   | 47.454 | nq    | 99       |
| 62) Azobenzene                 | 10.55 | 77   | 760929   | 44.709 | nq    | 97       |
| 64) 4,6-Dinitro-2-methylphenol | 10.46 | 198  | 90291    | 44.120 | nq    | 84       |
| 65) n-Nitrosodiphenylamine     | 10.51 | 169  | 669288   | 45.208 | nq    | 99       |
| 66) 4-Bromophenyl-phenylether  | 10.87 | 248  | 219902   | 48.418 | nq    | 97       |
| 67) Hexachlorobenzene          | 10.95 | 284  | 244335   | 47.811 | nq    | 94       |
| 68) Atrazine                   | 11.04 | 200  | 231339   | 51.768 | nq    | 98       |
| 69) Pentachlorophenol          | 11.15 | 266  | 181410   | 57.380 | nq    | 97       |
| 70) Phenanthrene               | 11.36 | 178  | 1073955  | 45.165 | nq    | 99       |
| 71) Anthracene                 | 11.42 | 178  | 1099120  | 45.472 | nq    | 100      |
| 72) Carbazole                  | 11.57 | 167  | 988093   | 41.834 | nq    | 99       |
| 73) Di-n-butylphthalate        | 11.89 | 149  | 1326407  | 45.972 | nq    | 99       |
| 74) Fluoranthene               | 12.56 | 202  | 1047269  | 42.154 | nq    | 95       |
| 76) Benzidine                  | 12.67 | 184  | 239434   | 23.833 | nq    | 97       |
| 77) Pyrene                     | 12.79 | 202  | 1028626  | 53.454 | nq    | 99       |
| 79) Butylbenzylphthalate       | 13.39 | 149  | 528453   | 58.291 | nq    | 98       |
| 80) Benzo(a)anthracene         | 13.97 | 228  | 789433   | 50.900 | nq    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 13.93 | 252  | 122955   | 21.262 | nq    | 99       |
| 82) Chrysene                   | 14.02 | 228  | 738700   | 46.370 | nq    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 13.95 | 149  | 733051   | 62.864 | nq    | 100      |
| 84) Di-n-octyl phthalate       | 14.57 | 149  | 1090224  | 55.954 | nq    | # 95     |
| 85) Indeno(1,2,3-cd)pyrene     | 16.93 | 276  | 667724   | 49.341 | nq    | 94       |
| 87) Benzo(b)fluoranthene       | 15.03 | 252  | 673309   | 46.486 | nq    | 99       |
| 88) Benzo(k)fluoranthene       | 15.06 | 252  | 650028   | 47.536 | nq    | 98       |
| 89) Benzo(a)pyrene             | 15.39 | 252  | 624744   | 48.207 | nq    | 98       |
| 90) Dibenzo(a,h)anthracene     | 16.94 | 278  | 562342   | 52.833 | nq    | 96       |
| 91) Benzo(g,h,i)perylene       | 17.37 | 276  | 549967   | 53.332 | nq    | 93       |

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





#1

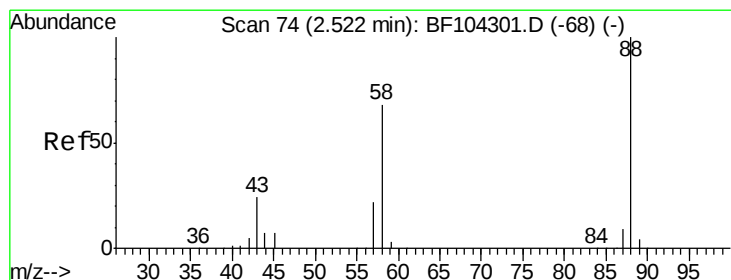
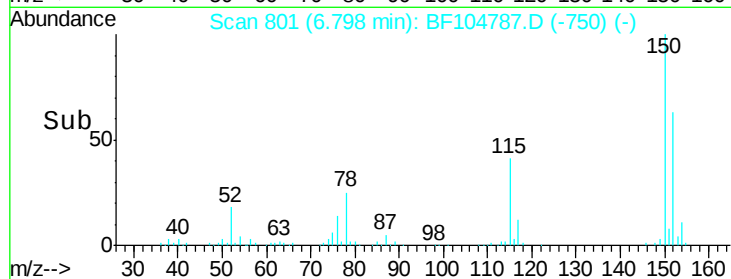
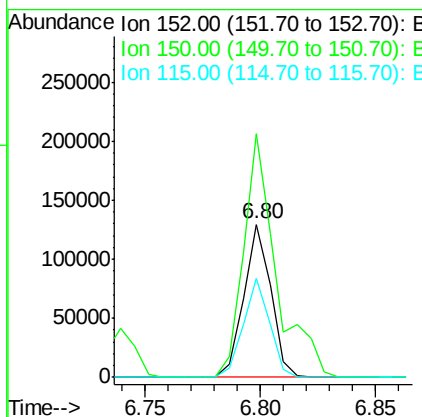
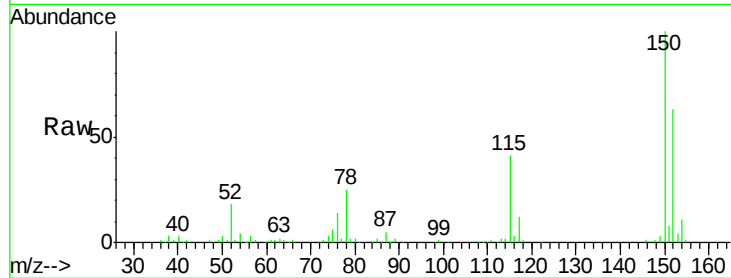
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.80 min Scan# 801  
Delta R.T. 0.00 min  
Lab File: BF104787.D  
Acq: 25 Apr 2018 14:32

Instrument :  
BNA\_F  
ClientSampleId :  
HW-12-4-18-18MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 159.2 | 124.6 | 186.8 |
| 115     | 64.5  | 50.1  | 75.1  |

Manual Integrations  
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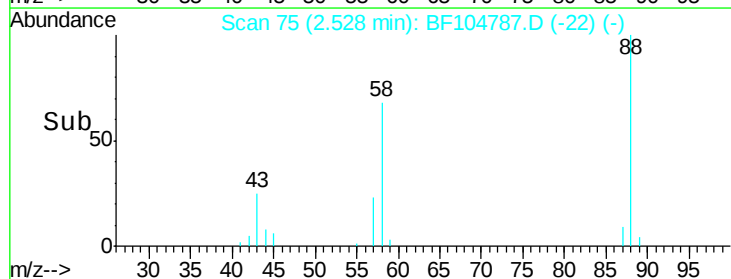
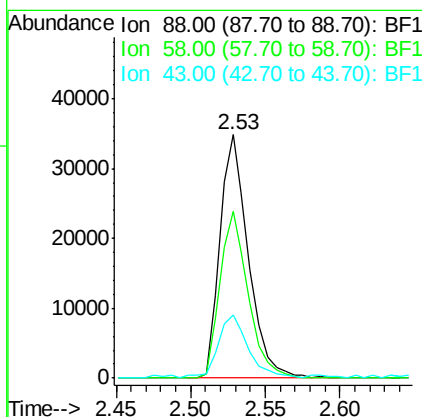
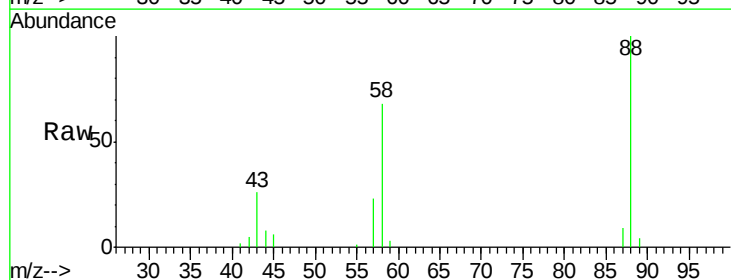
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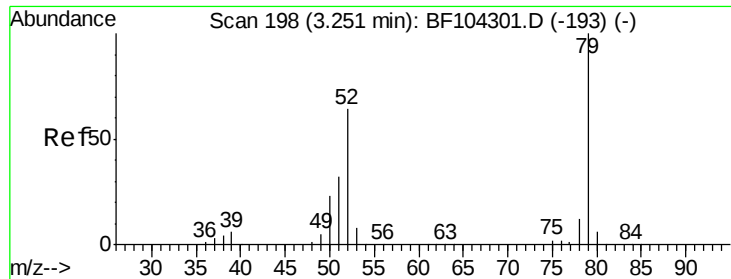


#2

1,4-Dioxane  
Concen: 14.433 ng  
RT: 2.53 min Scan# 75  
Delta R.T. 0.01 min  
Lab File: BF104787.D  
Acq: 25 Apr 2018 14:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 67.7  | 62.6  | 93.8  |
| 43      | 27.8  | 24.6  | 37.0  |





#3

Pvridine

Concen: 10.774 ng

RT: 3.28 min Scan# 202

Delta R.T. 0.02 min

Lab File: BF104787.D

Acq: 25 Apr 2018 14:32

Instrument :

BNA\_F

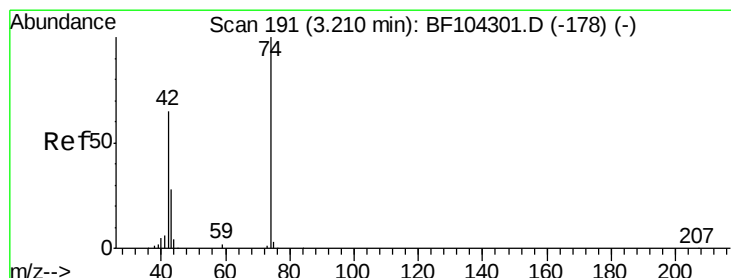
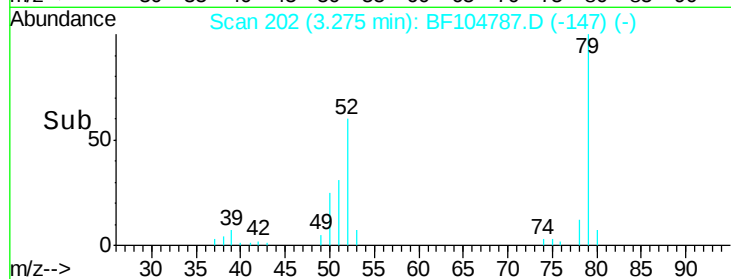
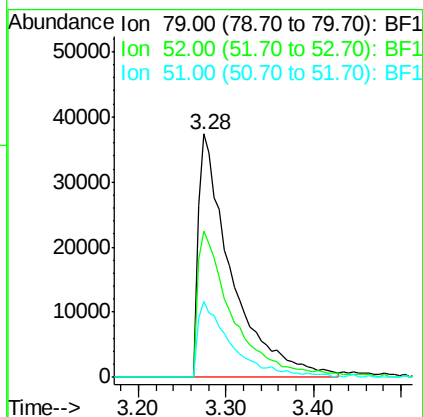
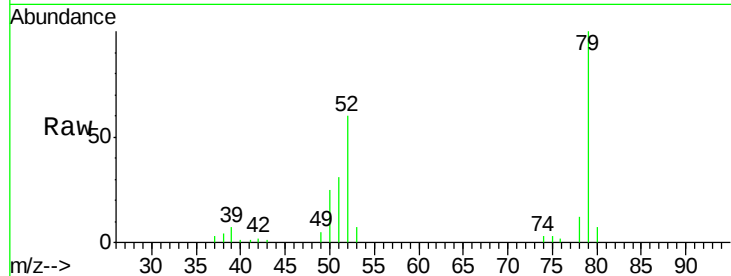
ClientSampleId :

HW-12-4-18-18MS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 79    | Resp: | 97813 |
| Ion Ratio | Lower | Upper |       |
| 79        | 100   |       |       |
| 52        | 60.1  | 59.8  | 89.6  |
| 51        | 31.3  | 29.8  | 44.8  |

Manual Integrations  
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#4

n-Nitrosodimethylamine

Concen: 16.925 ng

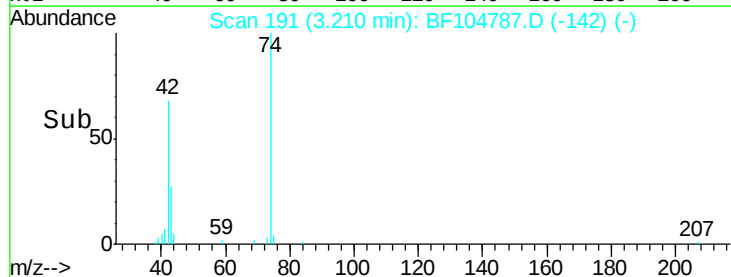
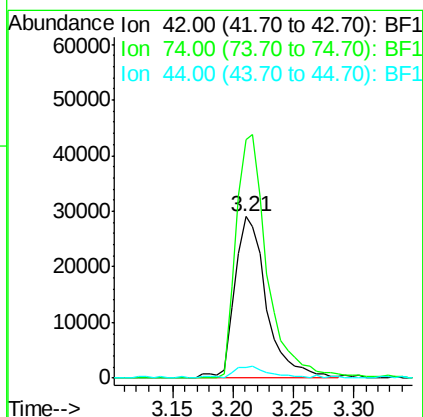
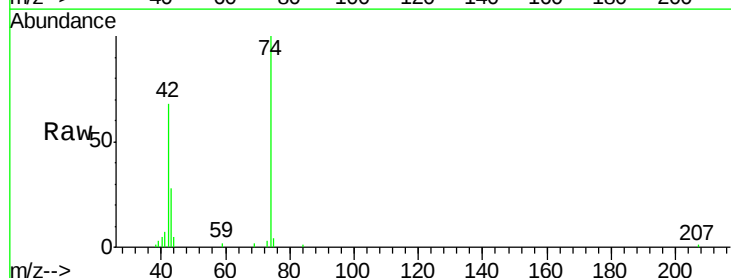
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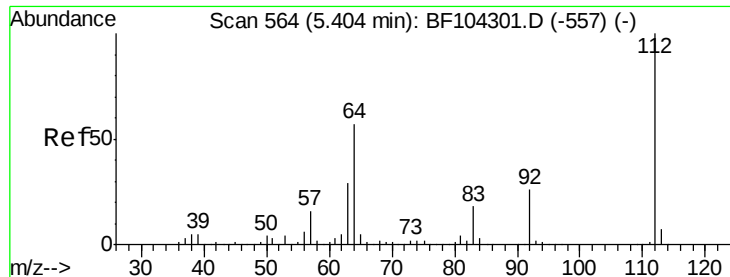
Delta R.T. -0.01 min

Lab File: BF104787.D

Acq: 25 Apr 2018 14:32

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 42    | Resp: | 53712 |
| Ion Ratio | Lower | Upper |       |
| 42        | 100   |       |       |
| 74        | 148.1 | 104.9 | 157.3 |
| 44        | 6.7   | 6.9   | 10.3# |





#5

2-Fluorophenol

Concen: 67.223 ng

RT: 5.42 min Scan# 566

Delta R.T. 0.00 min

Lab File: BF104787.D

Acq: 25 Apr 2018 14:32

Instrument :

BNA\_F

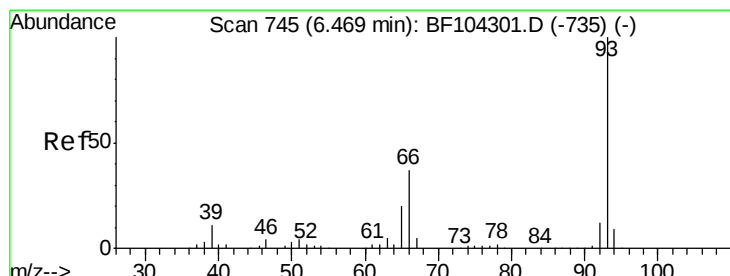
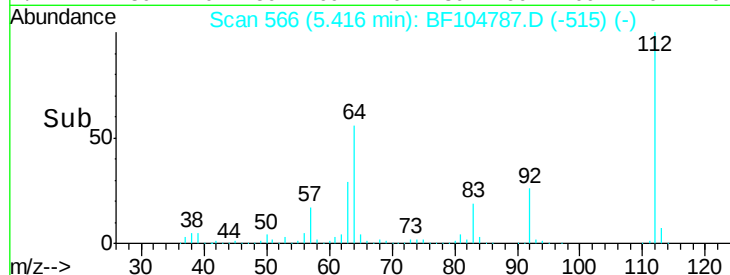
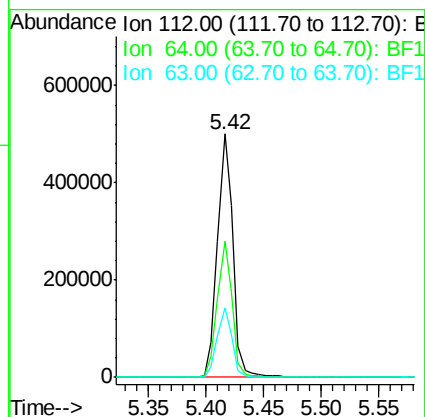
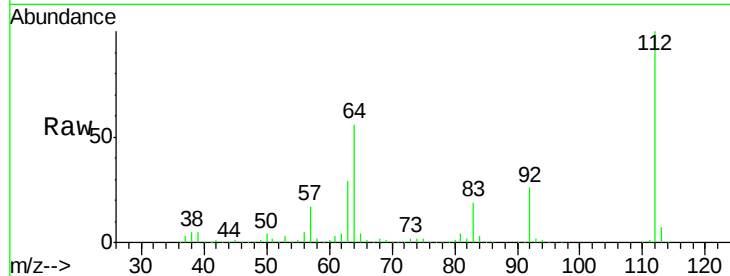
ClientSampleId :

HW-12-4-18-18MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 112   | Resp: | 465845 |
| Ion Ratio | Lower | Upper |        |
| 112       | 100   |       |        |
| 64        | 56.1  | 47.9  | 71.9   |
| 63        | 28.6  | 23.7  | 35.5   |

Manual Integrations  
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#6

Aniline

Concen: 10.432 ng

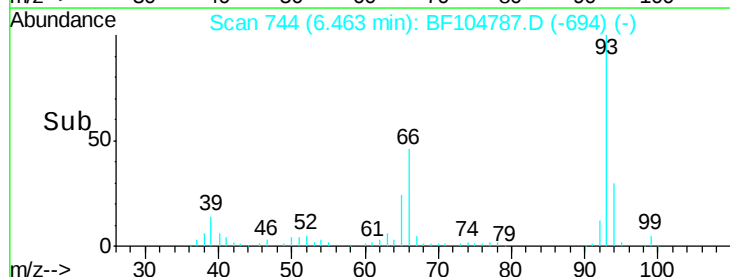
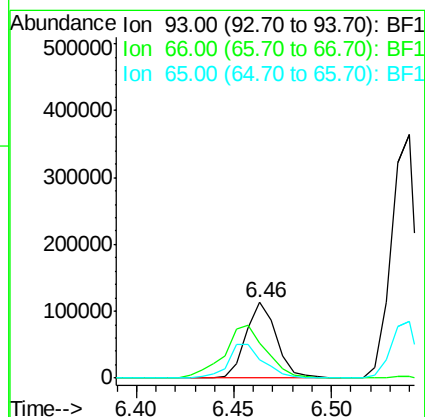
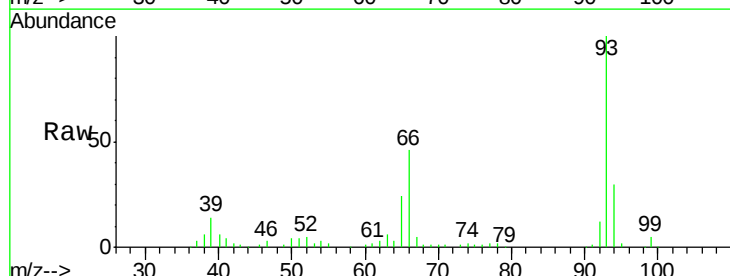
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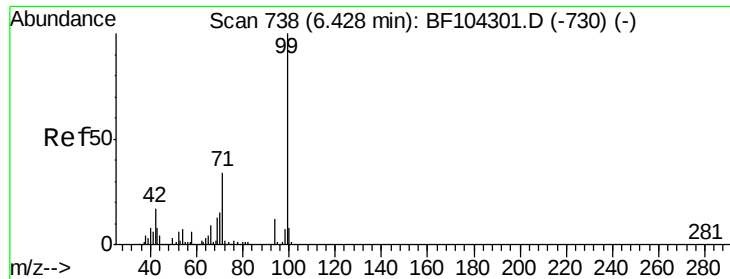
Delta R.T. -0.01 min

Lab File: BF104787.D

Acq: 25 Apr 2018 14:32

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 93    | Resp: | 123399 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 66        | 45.9  | 32.2  | 48.2   |
| 65        | 23.8  | 16.4  | 24.6   |





#7

Phenol-d6

Concen: 48.289 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF104787.D

Acq: 25 Apr 2018 14:32

Instrument :

BNA\_F

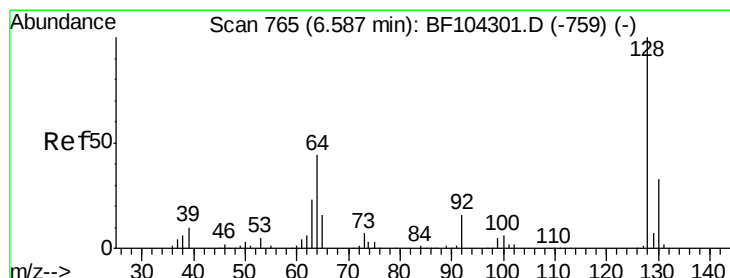
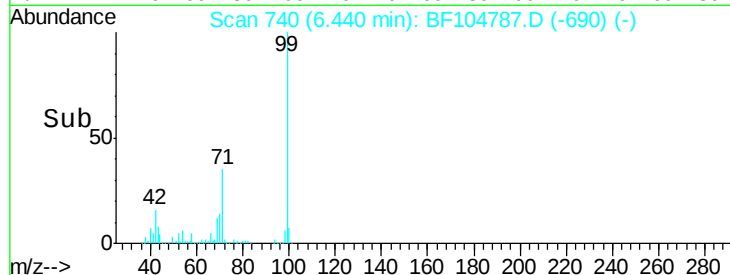
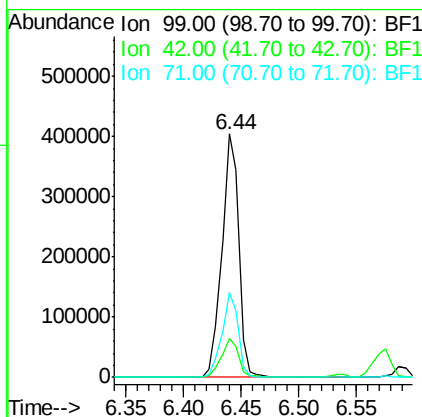
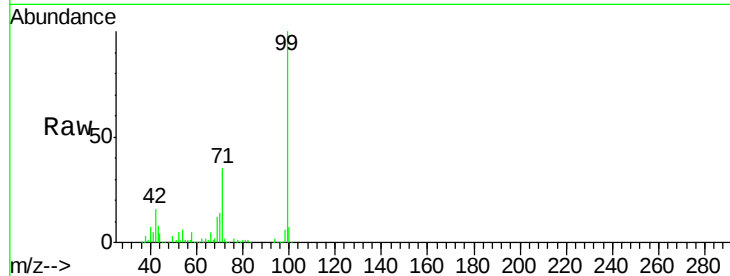
ClientSampleId :

HW-12-4-18-18MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 99    | Resp: | 411156 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 15.9  | 14.5  | 21.7   |
| 71        | 34.8  | 25.4  | 38.0   |

Manual Integrations  
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#8

2-Chlorophenol

Concen: 39.419 ng

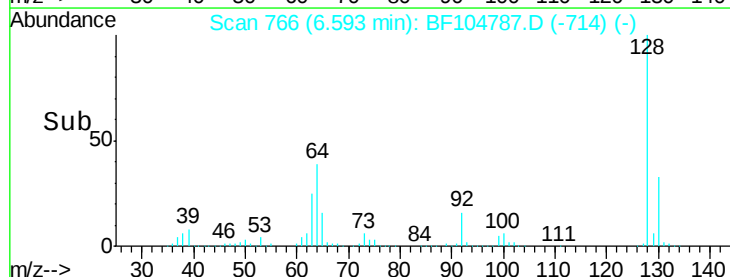
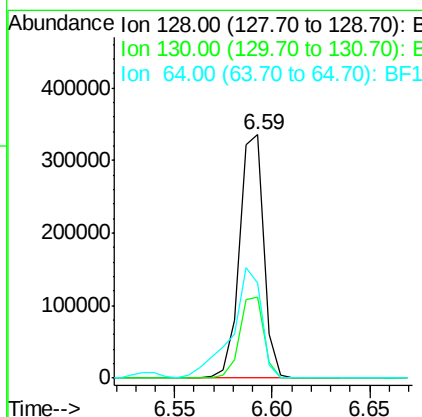
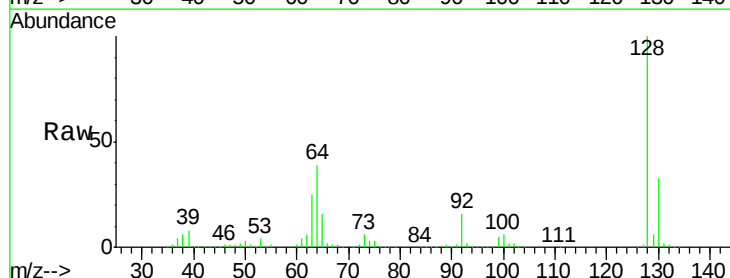
RT: 6.59 min Scan# 766

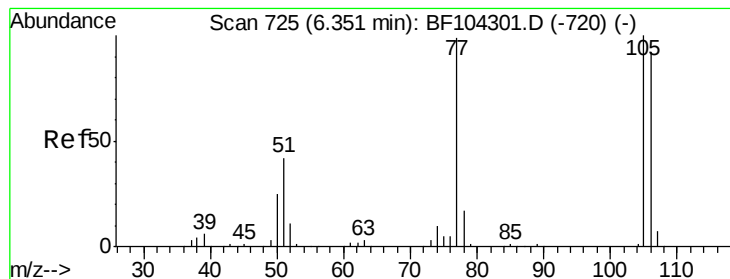
Delta R.T. 0.01 min

Lab File: BF104787.D

Acq: 25 Apr 2018 14:32

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 128   | Resp: | 288321 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 130       | 33.2  | 13.0  | 53.0   |
| 64        | 38.9  | 29.4  | 69.4   |





#9

Benzaldehyde

Concen: 37.717 ng

RT: 6.35 min Scan# 725

Delta R.T. 0.00 min

Lab File: BF104787.D

Acq: 25 Apr 2018 14:32

Instrument :

BNA\_F

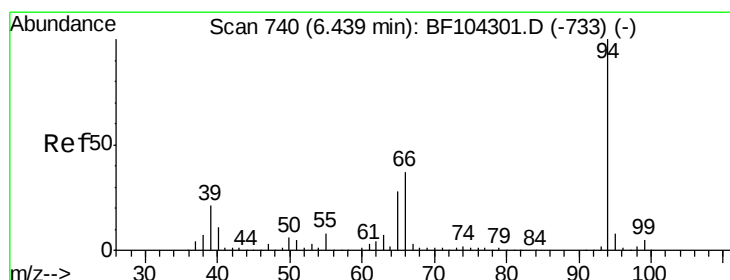
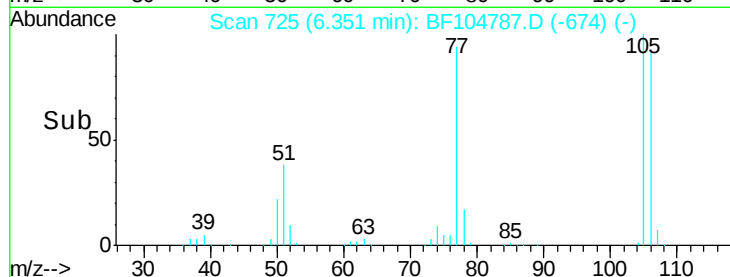
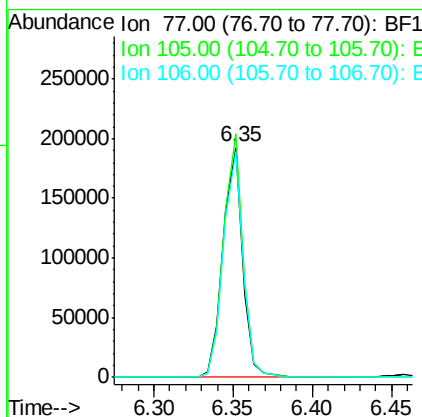
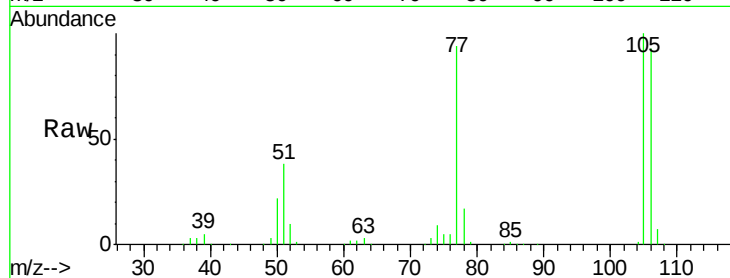
ClientSampleId :

HW-12-4-18-18MS

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 77    | Resp: | 165544 |
| Ion      | Ratio | Lower | Upper  |
| 77       | 100   |       |        |
| 105      | 105.9 | 81.1  | 121.1  |
| 106      | 98.1  | 74.5  | 114.5  |

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#10

Phenol

Concen: 16.738 ng

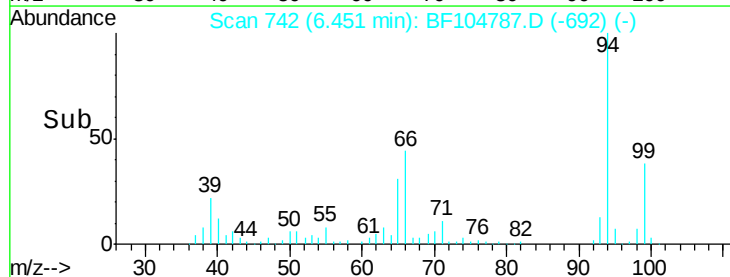
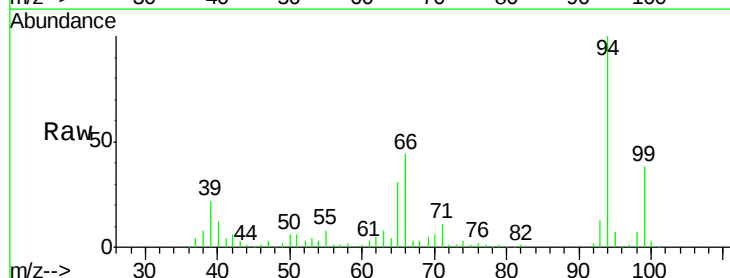
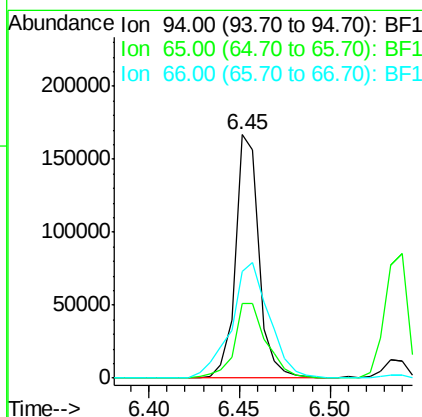
RT: 6.45 min Scan# 742

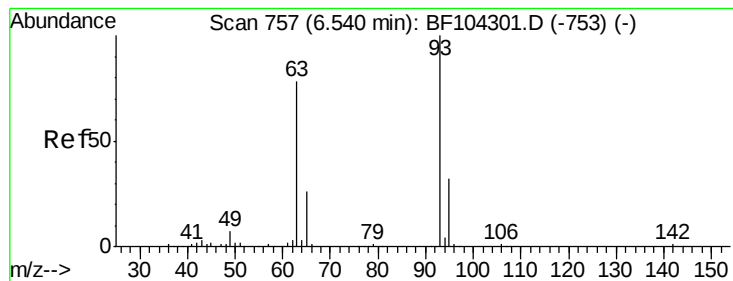
Delta R.T. -0.01 min

Lab File: BF104787.D

Acq: 25 Apr 2018 14:32

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 94    | Resp: | 151218 |
| Ion      | Ratio | Lower | Upper  |
| 94       | 100   |       |        |
| 65       | 30.7  | 7.9   | 47.9   |
| 66       | 44.0  | 16.2  | 56.2   |





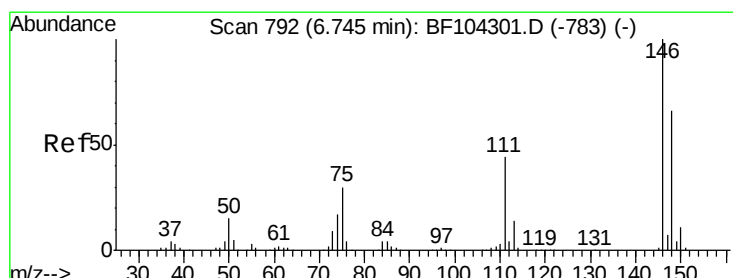
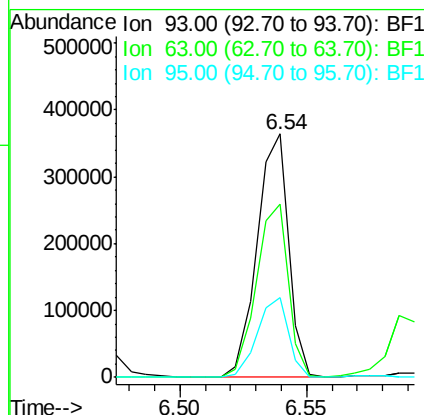
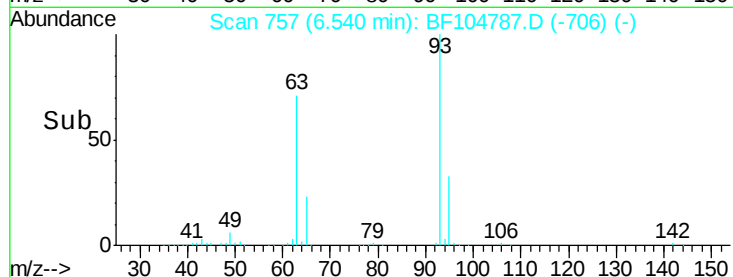
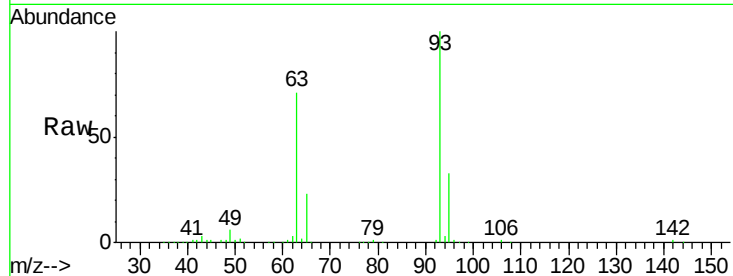
#11  
bis(2-Chloroethyl)ether  
Concen: 43.851 ng  
RT: 6.54 min Scan# 757  
Delta R.T. 0.00 min  
Lab File: BF104787.D  
Acq: 25 Apr 2018 14:32

Instrument :  
BNA\_F  
ClientSampleId :  
HW-12-4-18-18MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 93    | Resp: | 316139 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 63        | 71.0  | 58.6  | 98.6   |
| 95        | 32.6  | 11.8  | 51.8   |

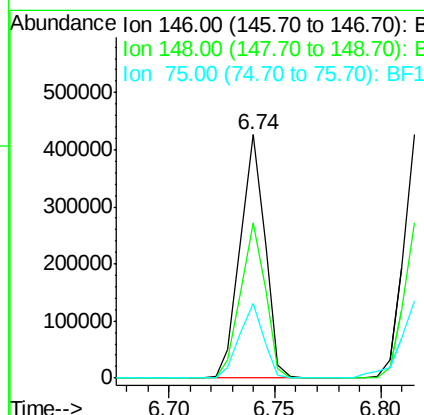
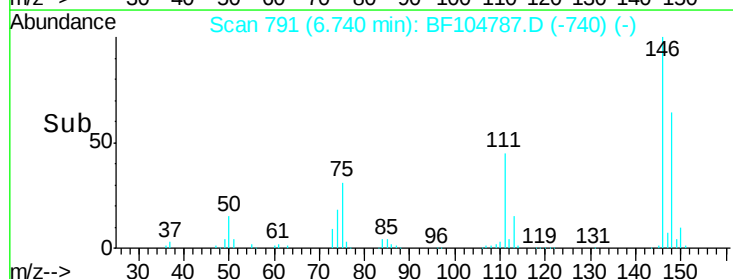
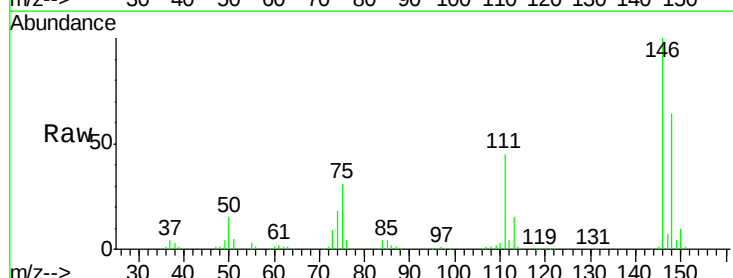
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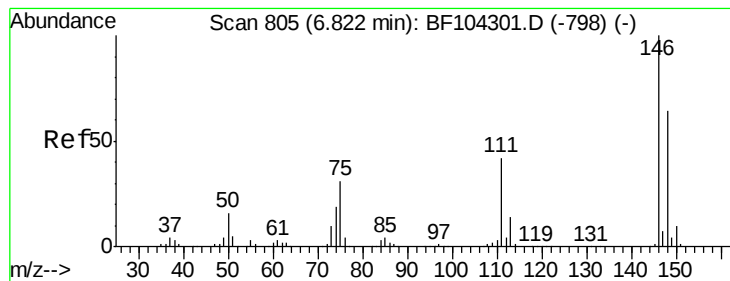
Sohil  
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#12  
1,3-Dichlorobenzene  
Concen: 41.605 ng  
RT: 6.74 min Scan# 791  
Delta R.T. 0.00 min  
Lab File: BF104787.D  
Acq: 25 Apr 2018 14:32

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 344749 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 64.1  | 51.8  | 77.8   |
| 75        | 30.9  | 24.2  | 36.4   |





#13

1,4-Dichlorobenzene

Concen: 42.776 ng

RT: 6.82 min Scan# 804

Delta R.T. 0.00 min

Lab File: BF104787.D

Acq: 25 Apr 2018 14:32

Instrument :

BNA\_F

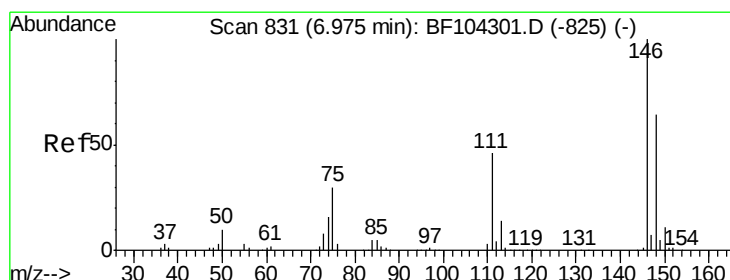
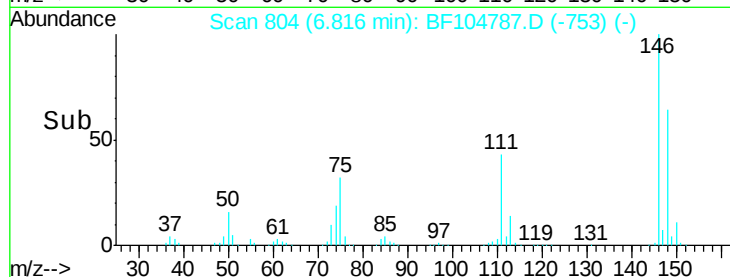
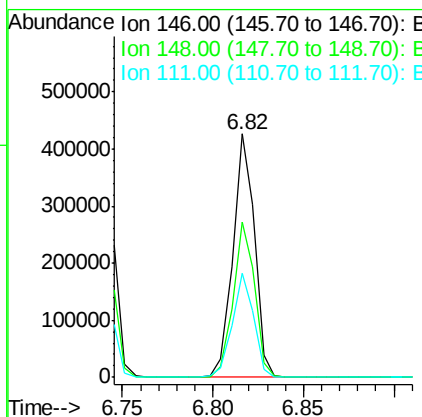
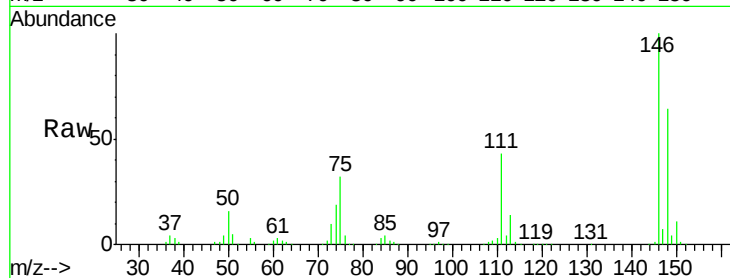
ClientSampleId :

HW-12-4-18-18MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 353324 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 63.6  | 50.8  | 76.2   |
| 111       | 42.9  | 34.2  | 51.2   |

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#14

1,2-Dichlorobenzene

Concen: 43.385 ng

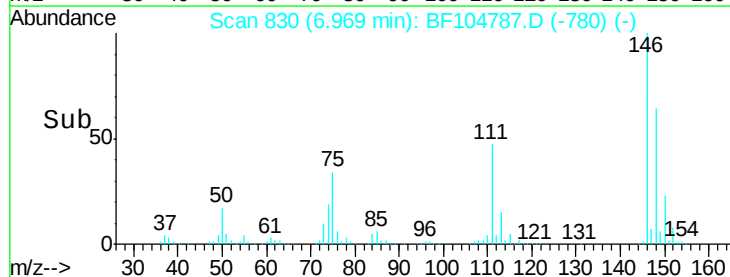
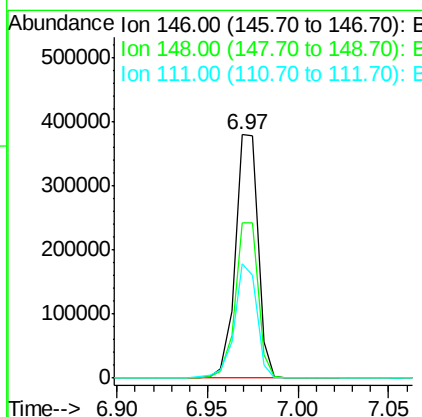
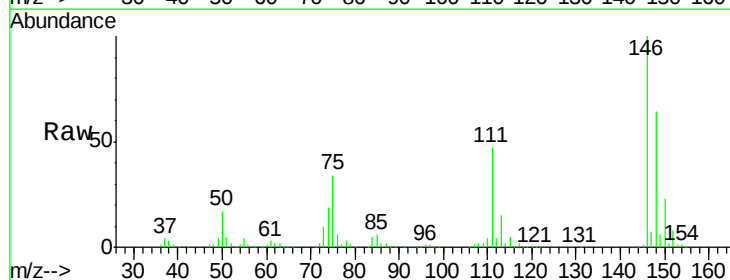
RT: 6.97 min Scan# 830

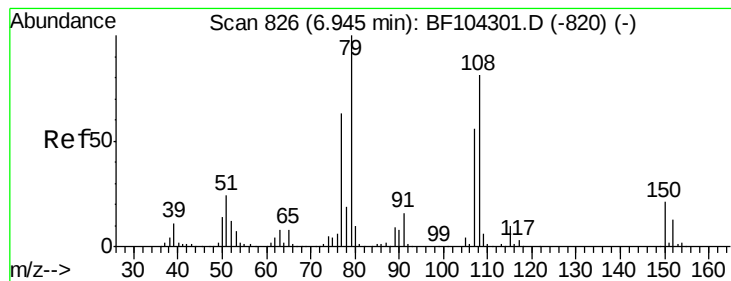
Delta R.T. -0.01 min

Lab File: BF104787.D

Acq: 25 Apr 2018 14:32

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 332085 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 63.7  | 50.6  | 75.8   |
| 111       | 47.2  | 36.0  | 54.0   |





#15

Benzyl Alcohol

Concen: 29.990 ng

RT: 6.95 min Scan# 826

Delta R.T. 0.00 min

Lab File: BF104787.D

Acq: 25 Apr 2018 14:32

Instrument :

BNA\_F

ClientSampleId :

HW-12-4-18-18MS

Tot Ion: 79 Resp: 193945

Ion Ratio Lower Upper

79 100

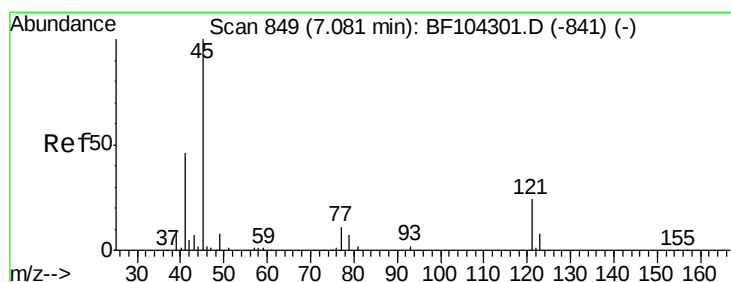
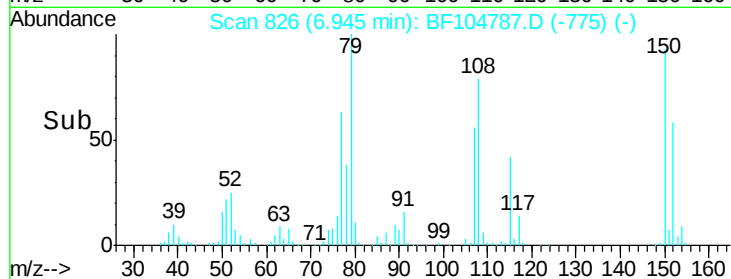
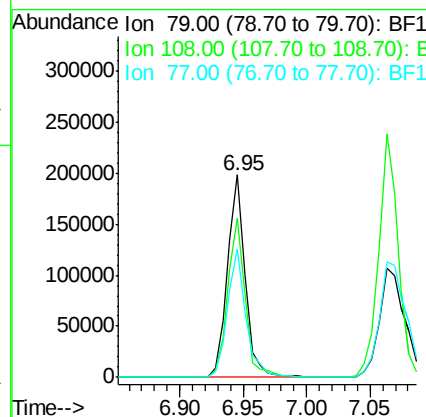
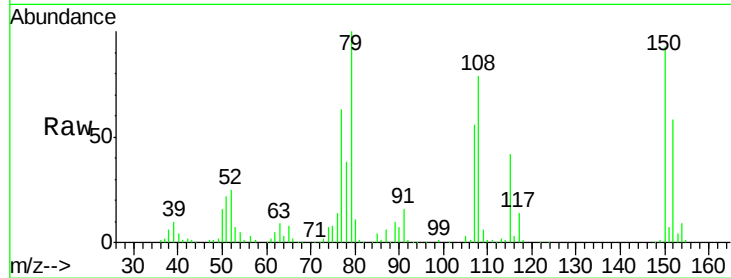
108 78.5 65.1 97.7

77 63.4 50.6 75.8

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 39.284 ng

RT: 7.07 min Scan# 848

Delta R.T. -0.01 min

Lab File: BF104787.D

Acq: 25 Apr 2018 14:32

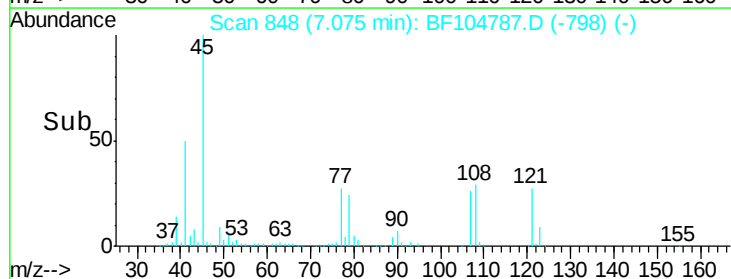
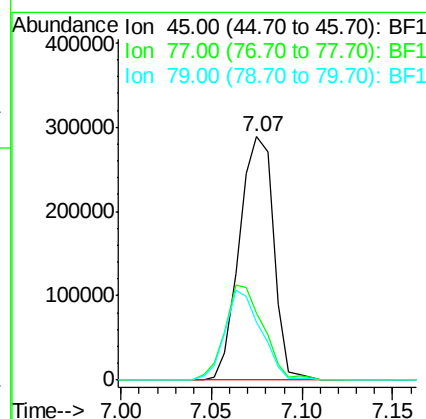
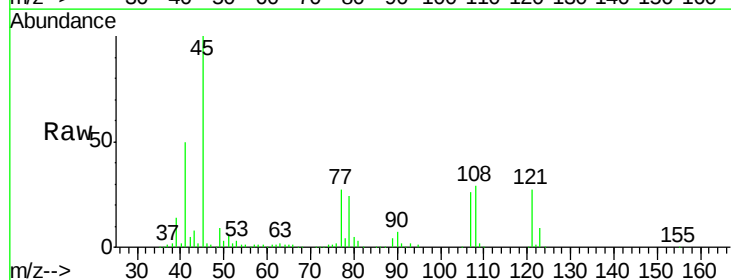
Tgt Ion: 45 Resp: 380341

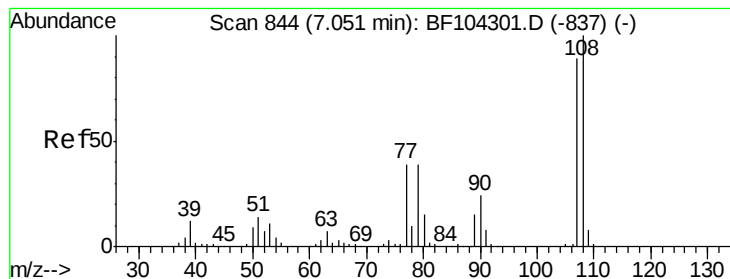
Ion Ratio Lower Upper

45 100

77 27.3 0.0 32.9

79 23.6 0.0 29.6





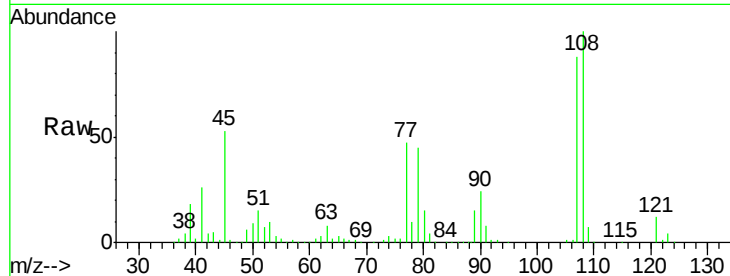
#17  
2-Methylphenol  
Concen: 36.588 ng  
RT: 7.06 min Scan# 846  
Delta R.T. 0.00 min  
Lab File: BF104787.D  
Acq: 25 Apr 2018 14:32

Instrument :  
BNA\_F  
ClientSampleId :  
HW-12-4-18-18MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 107     | 100   | 232626 |       |       |
| 108     | 113.4 | 91.7   | 137.5 |       |
| 77      | 53.8  | 33.8   | 50.8# |       |
| 79      | 50.8  | 33.8   | 50.8# |       |

Manual Integrations  
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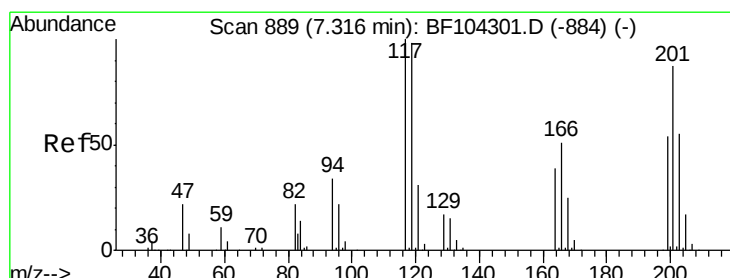
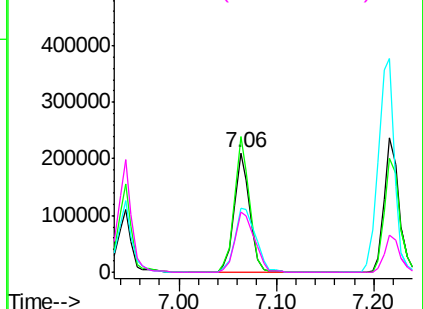
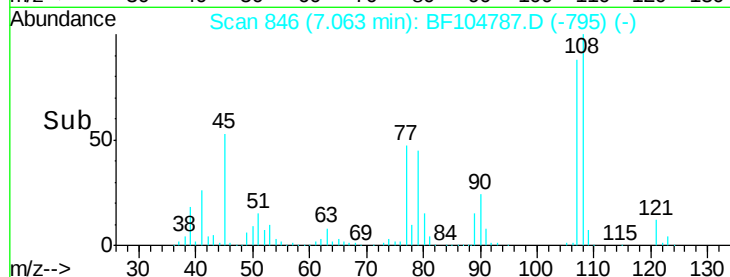
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

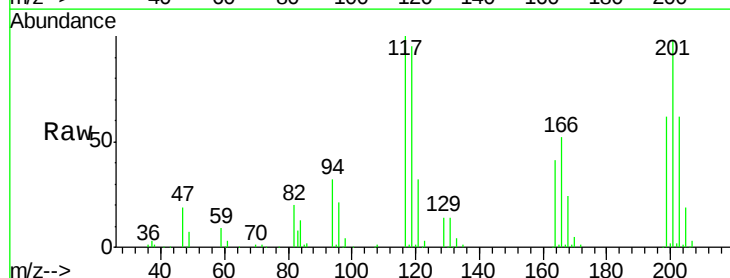
Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18  
Hexachloroethane  
Concen: 43.591 ng  
RT: 7.31 min Scan# 888  
Delta R.T. 0.00 min  
Lab File: BF104787.D  
Acq: 25 Apr 2018 14:32

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 128375 |       |       |
| 119     | 95.4  | 75.8   | 113.8 |       |
| 201     | 98.3  | 75.7   | 113.5 |       |

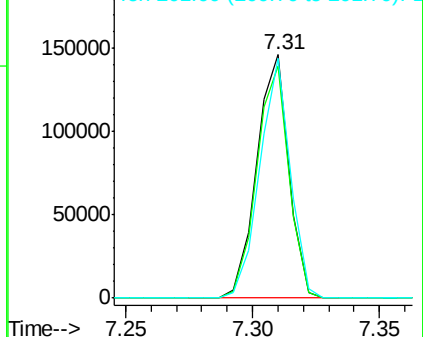
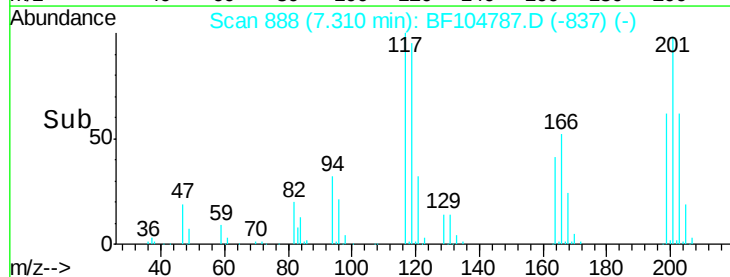


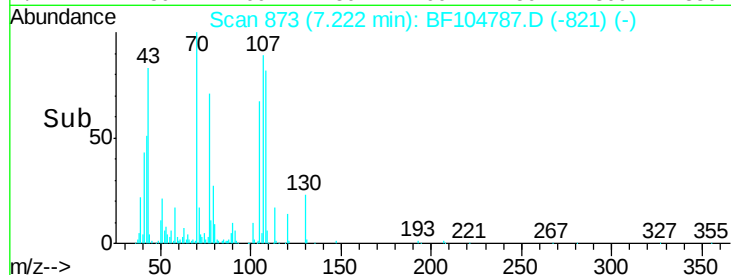
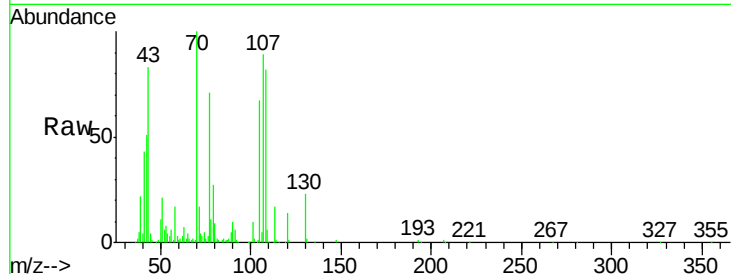
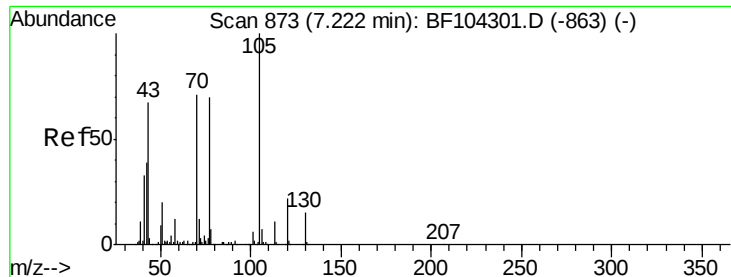
Abundance

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





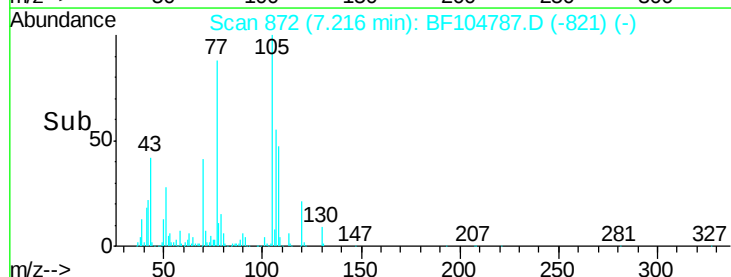
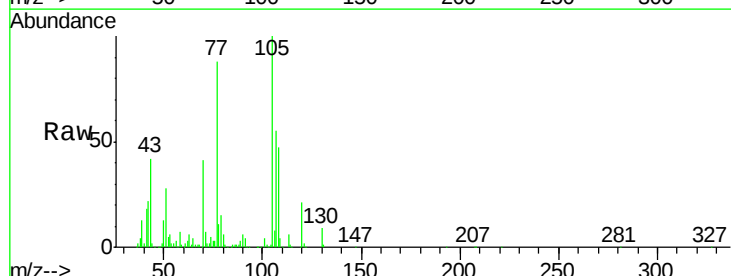
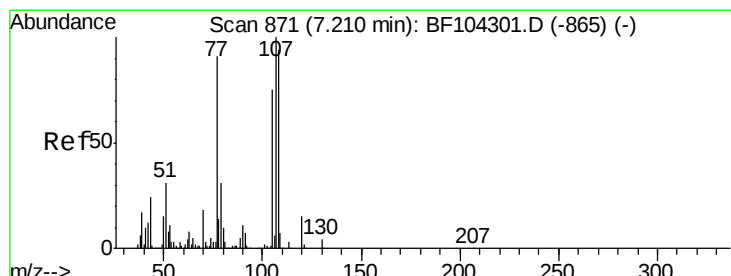
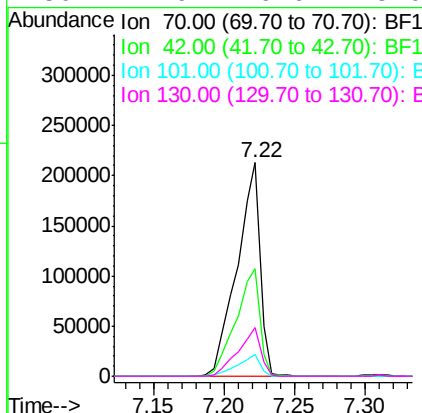
#19  
n-Nitroso-di-n-propylamine  
Concen: 43.654 ng  
RT: 7.22 min Scan# 873  
Delta R.T. 0.01 min  
Lab File: BF104787.D  
Acq: 25 Apr 2018 14:32

Instrument :  
BNA\_F  
ClientSampleId :  
HW-12-4-18-18MS

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 70      | 100  |       |       |       |
| 42      | 50.6 | 47.5  | 71.3  |       |
| 101     | 9.9  | 7.4   | 11.2  |       |
| 130     | 22.9 | 16.6  | 25.0  |       |

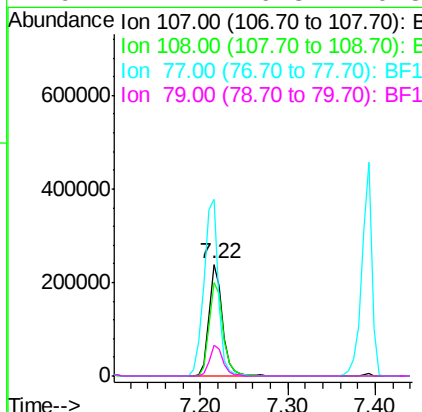
Manual Integrations  
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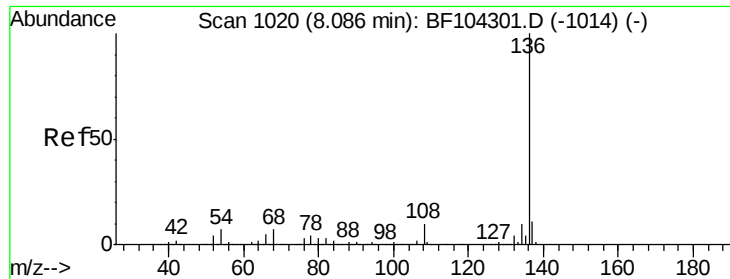
Sohil  
4/26/2018 6:09:33 PM



#20  
3+4-Methylphenols  
Concen: 32.383 ng  
RT: 7.22 min Scan# 872  
Delta R.T. 0.00 min  
Lab File: BF104787.D  
Acq: 25 Apr 2018 14:32

| Tgt Ion | Ion   | Ratio | Lower | Upper |
|---------|-------|-------|-------|-------|
| 107     | 100   |       |       |       |
| 108     | 84.0  | 68.2  | 108.2 |       |
| 77      | 158.2 | 26.7  | 66.7# |       |
| 79      | 27.4  | 6.3   | 46.3  |       |





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1020

Delta R.T. 0.00 min

Lab File: BF104787.D

Acq: 25 Apr 2018 14:32

Instrument :

BNA\_F

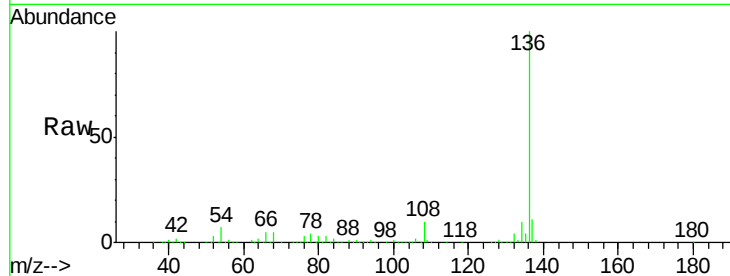
ClientSampleId :

HW-12-4-18-18MS

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 136     | 100  |       | 462008 |       |       |
| 137     | 11.1 |       | 8.9    | 13.3  |       |
| 54      | 6.5  |       | 6.6    | 9.8   |       |
| 68      | 5.3  |       | 5.0    | 7.4   |       |

Manual Integrations  
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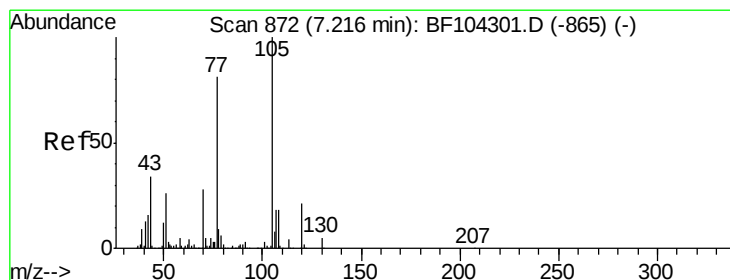
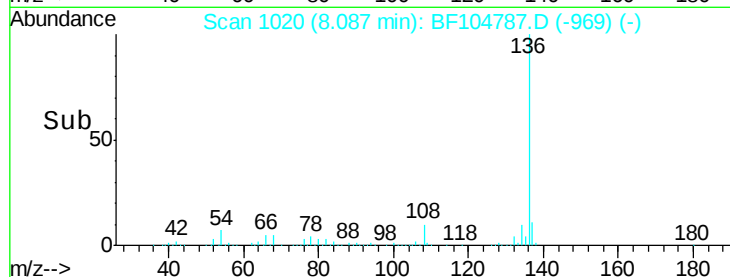
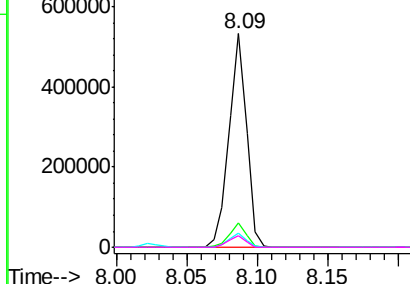
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 42.802 ng

RT: 7.22 min Scan# 872

Delta R.T. 0.00 min

Lab File: BF104787.D

Acq: 25 Apr 2018 14:32

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 105     | 100  |       | 486847 |       |       |
| 71      | 6.9  |       | 4.4    | 6.6   |       |
| 51      | 27.9 |       | 22.3   | 33.5  |       |
| 120     | 21.2 |       | 16.9   | 25.3  |       |

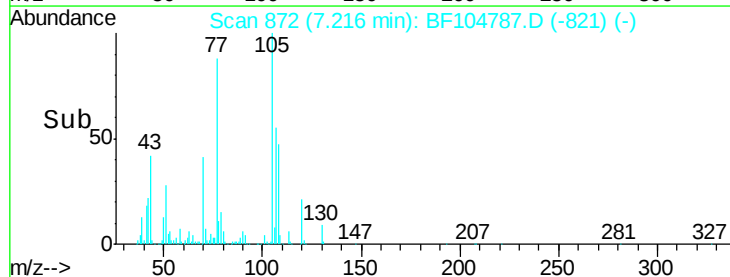
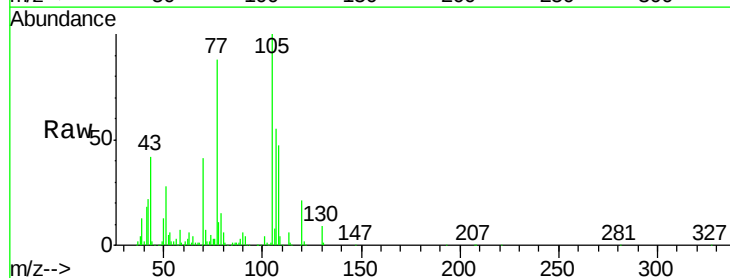
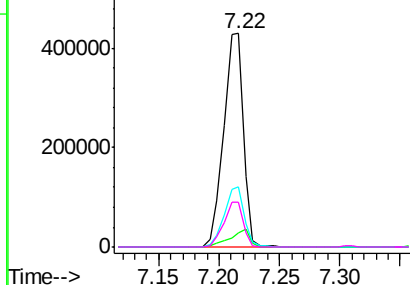
Abundance

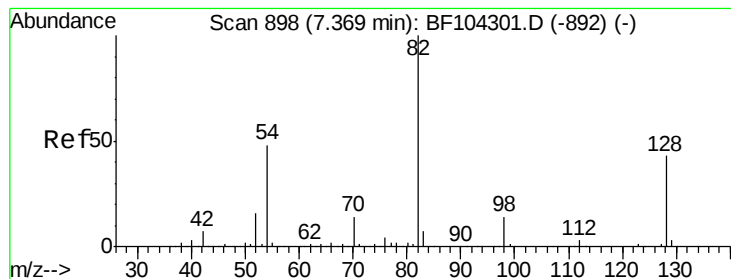
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E





#23

Nitrobenzene-d5

Concen: 107.269 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.00 min

Lab File: BF104787.D

Acq: 25 Apr 2018 14:32

Instrument :

BNA\_F

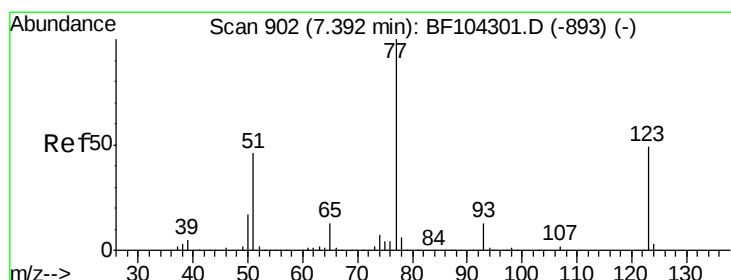
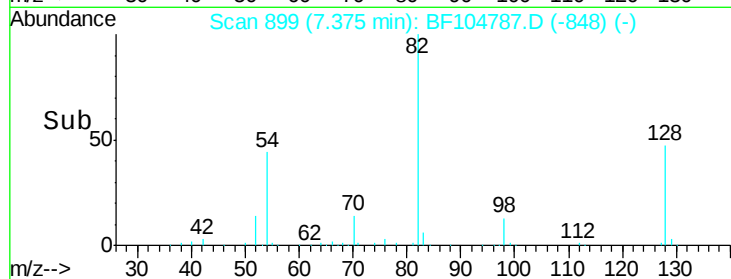
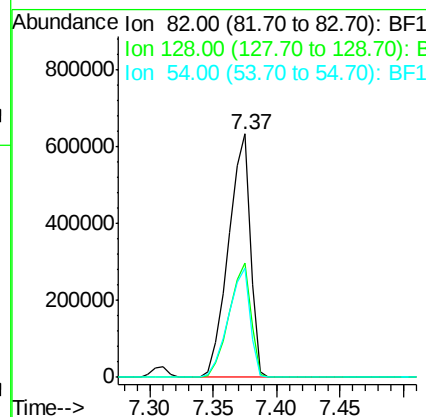
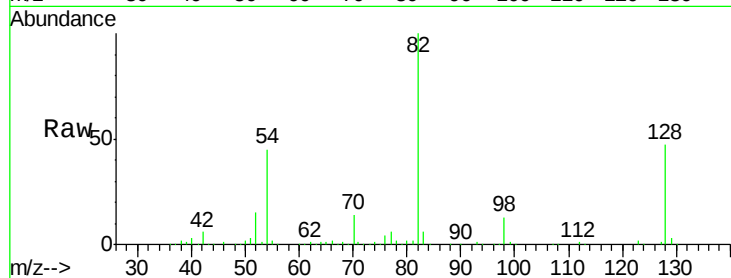
ClientSampleId :

HW-12-4-18-18MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 82    | Resp: | 758967 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 47.0  | 36.1  | 54.1   |
| 54        | 44.8  | 41.4  | 62.2   |

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#24

Nitrobenzene

Concen: 46.970 ng

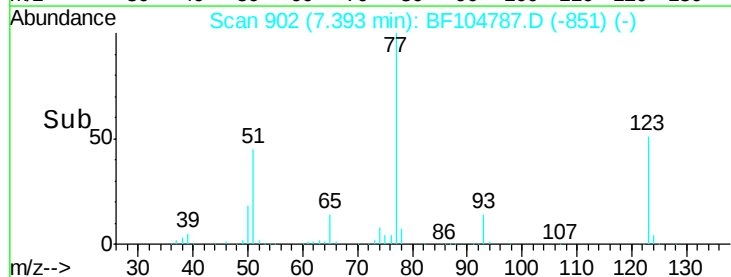
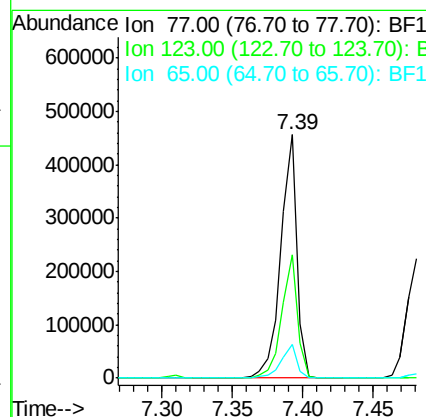
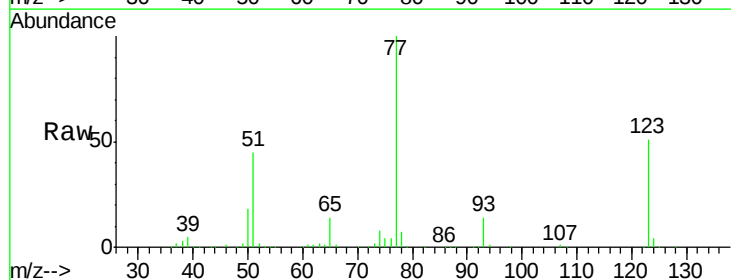
RT: 7.39 min Scan# 902

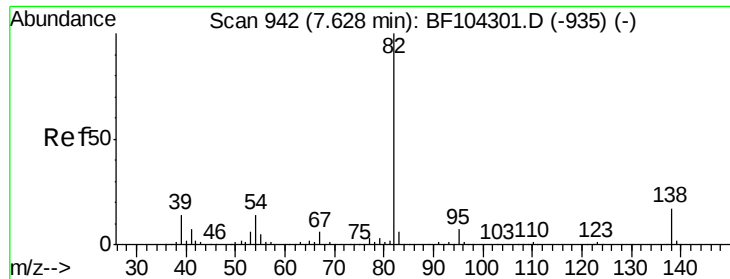
Delta R.T. 0.00 min

Lab File: BF104787.D

Acq: 25 Apr 2018 14:32

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 77    | Resp: | 366912 |
| Ion Ratio | Lower | Upper |        |
| 77        | 100   |       |        |
| 123       | 50.7  | 37.9  | 56.9   |
| 65        | 13.7  | 11.0  | 16.4   |





#25

Isophorone

Concen: 46.425 ng

RT: 7.63 min Scan# 942

Delta R.T. 0.00 min

Lab File: BF104787.D

Acq: 25 Apr 2018 14:32

Instrument :

BNA\_F

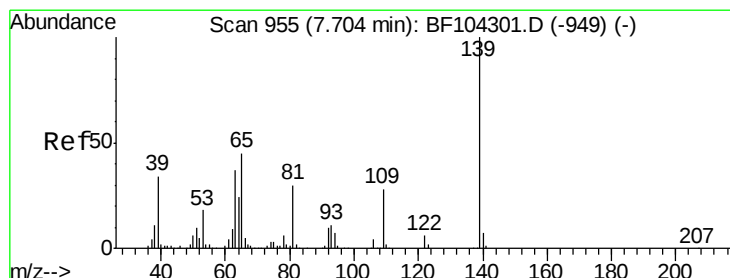
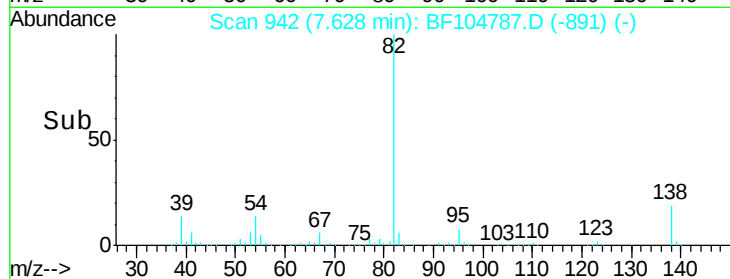
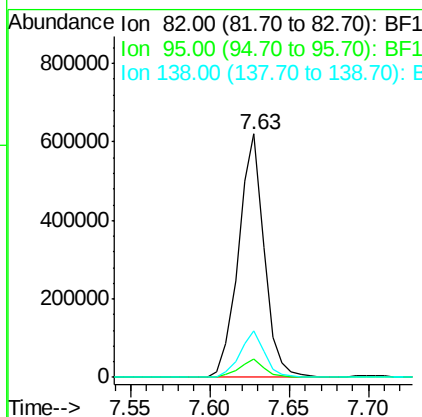
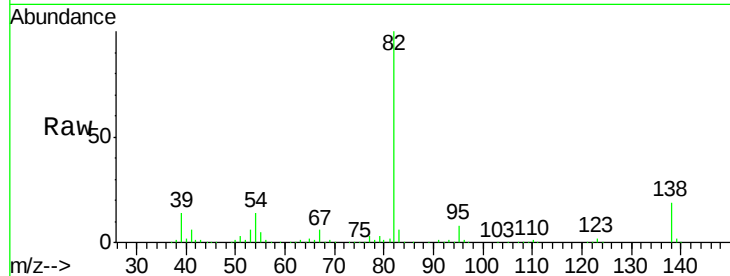
ClientSampleId :

HW-12-4-18-18MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 82    | Resp: | 694600 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 95        | 7.6   | 5.2   | 7.8    |
| 138       | 19.1  | 14.9  | 22.3   |

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#26

2-Nitrophenol

Concen: 61.285 ng

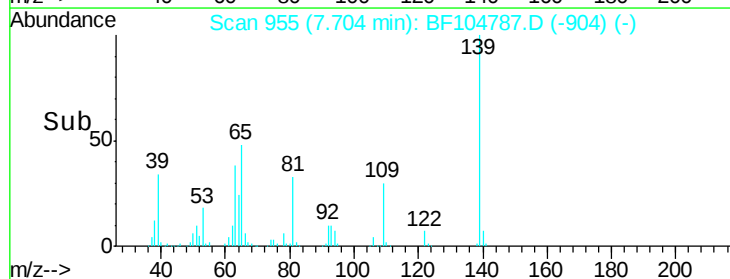
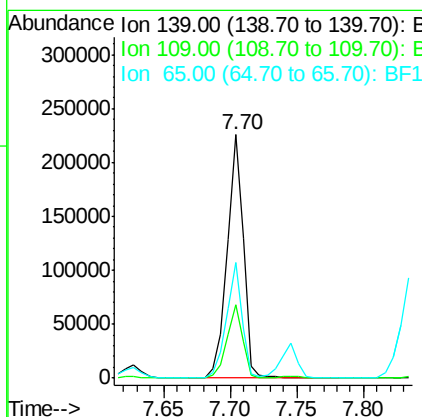
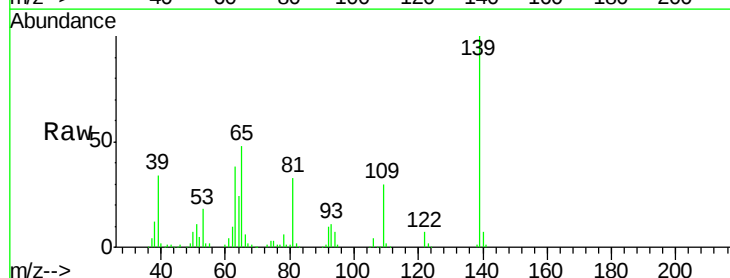
RT: 7.70 min Scan# 955

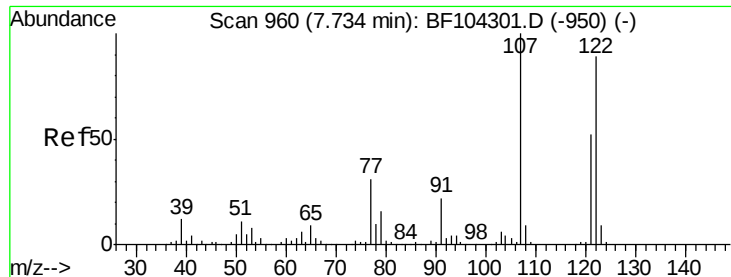
Delta R.T. 0.00 min

Lab File: BF104787.D

Acq: 25 Apr 2018 14:32

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 139   | Resp: | 194897 |
| Ion Ratio | Lower | Upper |        |
| 139       | 100   |       |        |
| 109       | 30.0  | 22.7  | 34.1   |
| 65        | 47.7  | 40.5  | 60.7   |





#27

2,4-Dimethylphenol

Concen: 46.271 ng

RT: 7.75 min Scan# 962

Delta R.T. 0.00 min

Lab File: BF104787.D

Acq: 25 Apr 2018 14:32

Instrument :

BNA\_F

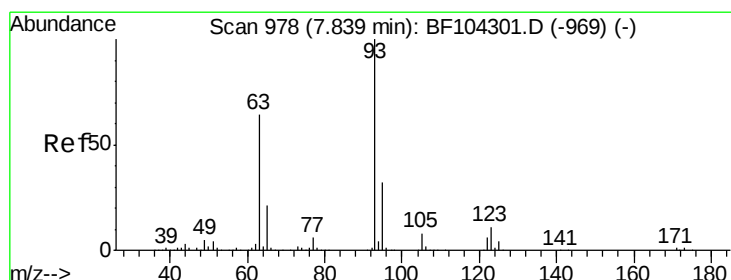
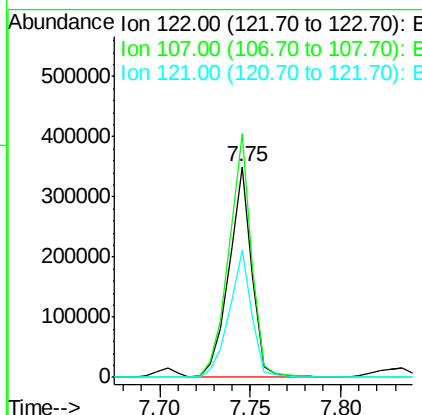
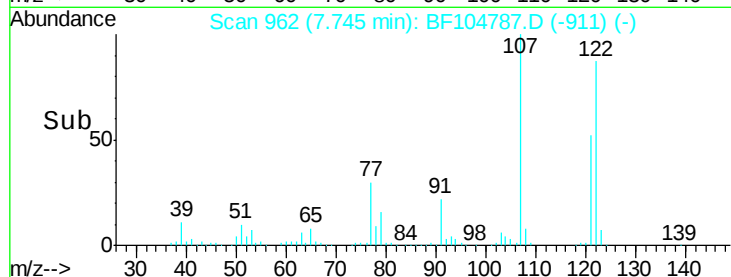
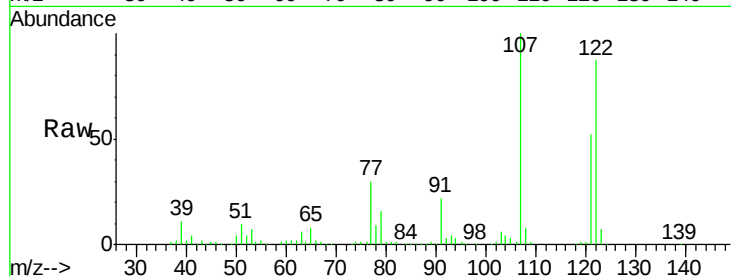
ClientSampleId :

HW-12-4-18-18MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 122   | Resp: | 305532 |
| Ion Ratio | Lower | Upper |        |
| 122       | 100   |       |        |
| 107       | 115.5 | 91.2  | 136.8  |
| 121       | 60.2  | 47.2  | 70.8   |

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#28

bis(2-Chloroethoxy)methane

Concen: 47.784 ng

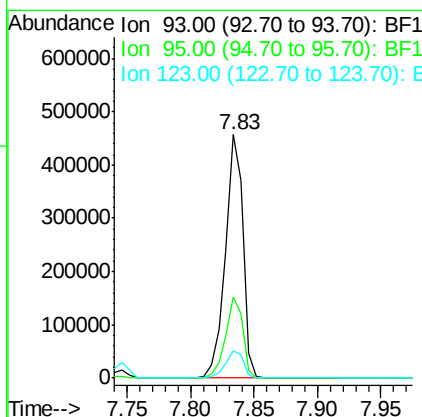
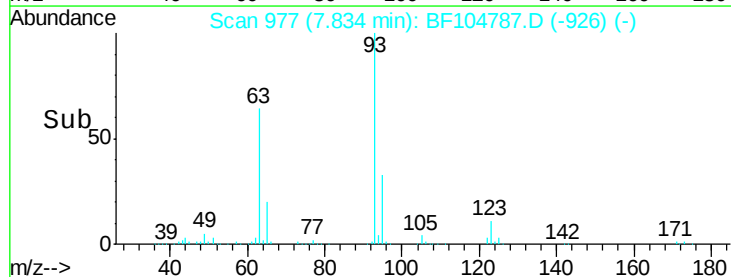
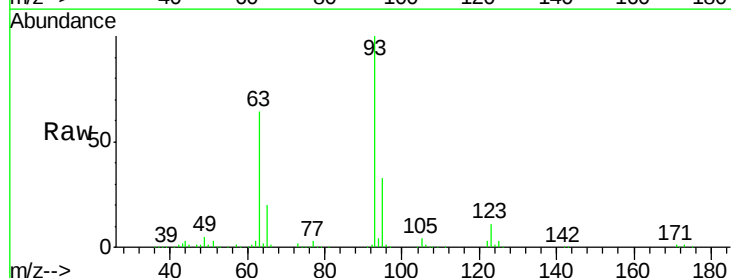
RT: 7.83 min Scan# 977

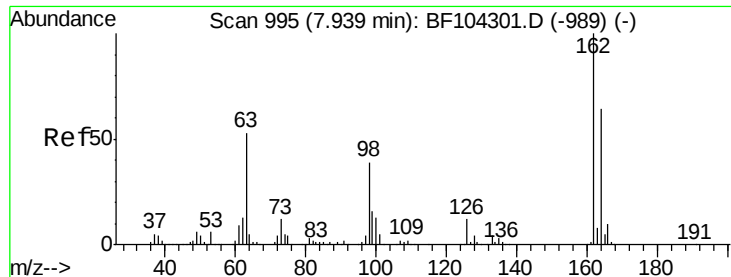
Delta R.T. 0.00 min

Lab File: BF104787.D

Acq: 25 Apr 2018 14:32

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 93    | Resp: | 437125 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 95        | 33.1  | 26.3  | 39.5   |
| 123       | 11.2  | 9.8   | 14.6   |





#29

2,4-Dichlorophenol

Concen: 45.917 ng

RT: 7.95 min Scan# 997

Delta R.T. 0.00 min

Lab File: BF104787.D

Acq: 25 Apr 2018 14:32

Instrument :

BNA\_F

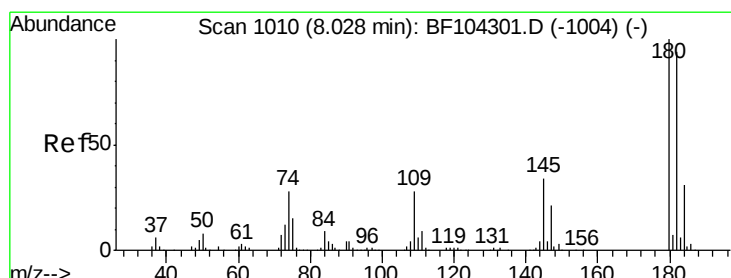
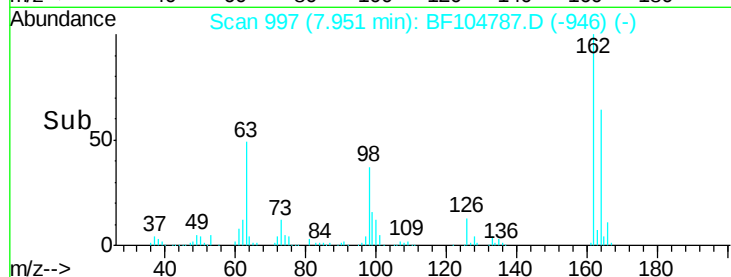
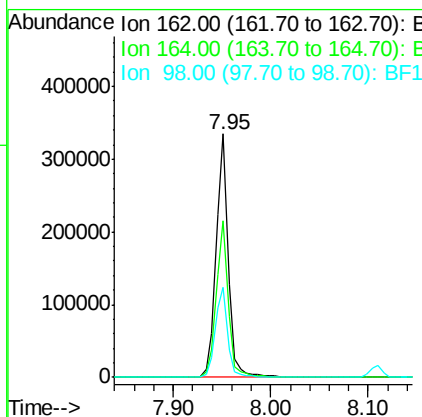
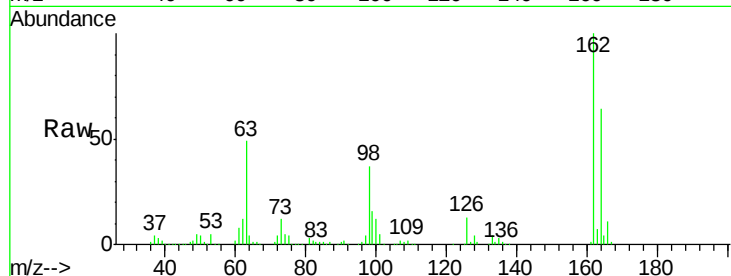
ClientSampleId :

HW-12-4-18-18MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 162   | Resp: | 289292 |
| Ion Ratio | Lower | Upper |        |
| 162       | 100   |       |        |
| 164       | 64.2  | 42.7  | 82.7   |
| 98        | 36.9  | 18.1  | 58.1   |

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#30

1,2,4-Trichlorobenzene

Concen: 44.613 ng

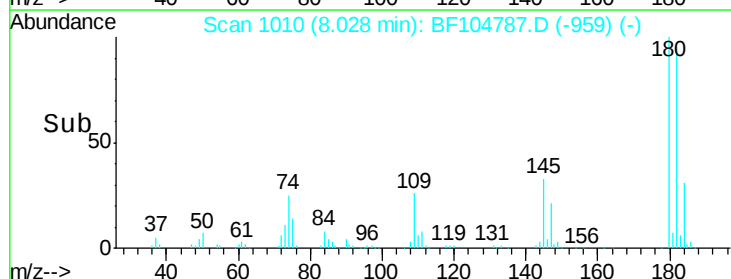
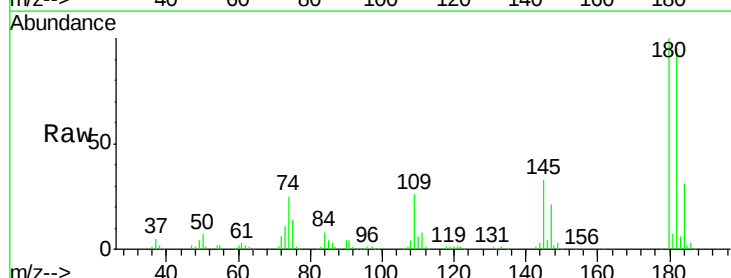
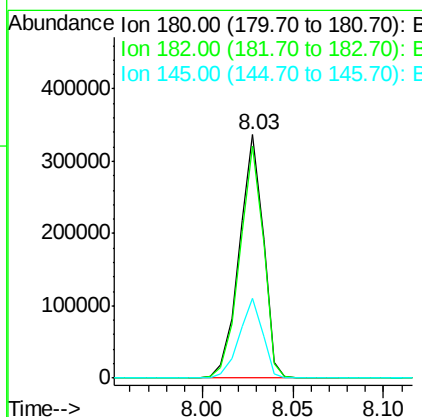
RT: 8.03 min Scan# 1010

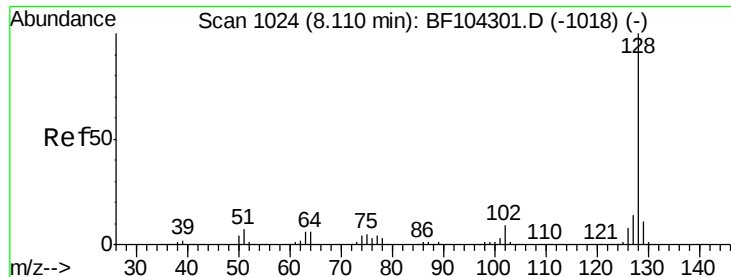
Delta R.T. 0.00 min

Lab File: BF104787.D

Acq: 25 Apr 2018 14:32

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 308473 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 95.3  | 76.8  | 115.2  |
| 145       | 32.9  | 26.5  | 39.7   |





#31

Naphthalene

Concen: 43.936 ng

RT: 8.11 min Scan# 1024

Delta R.T. 0.00 min

Lab File: BF104787.D

Acq: 25 Apr 2018 14:32

Instrument :

BNA\_F

ClientSampleId :

HW-12-4-18-18MS

Tot Ion:128 Resp: 1010770

Ion Ratio Lower Upper

128 100

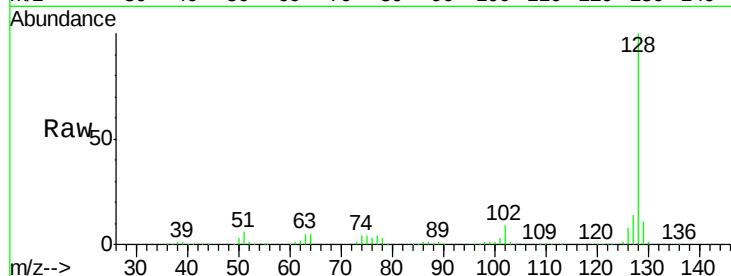
129 11.3 8.8 13.2

127 13.8 10.9 16.3

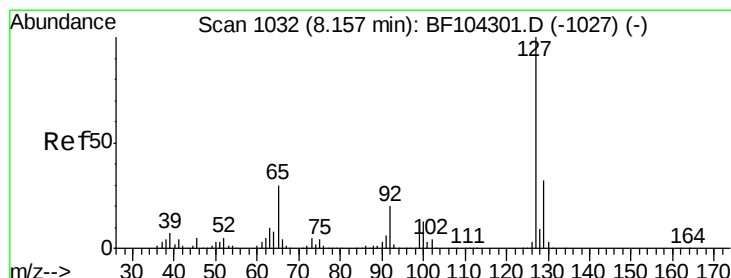
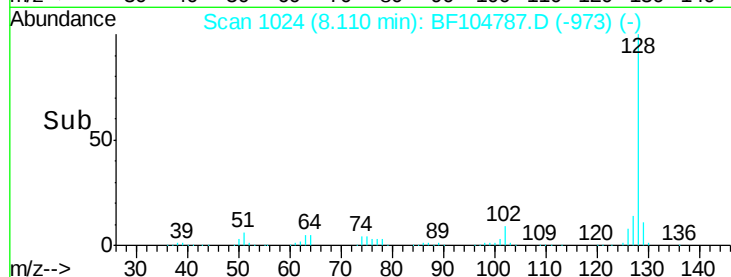
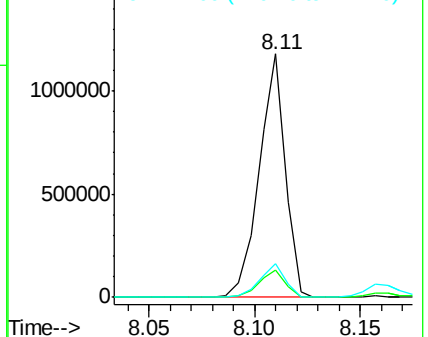
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Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E



#33

4-Chloroaniline

Concen: 8.369 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.01 min

Lab File: BF104787.D

Acq: 25 Apr 2018 14:32

Tgt Ion:127 Resp: 82489

Ion Ratio Lower Upper

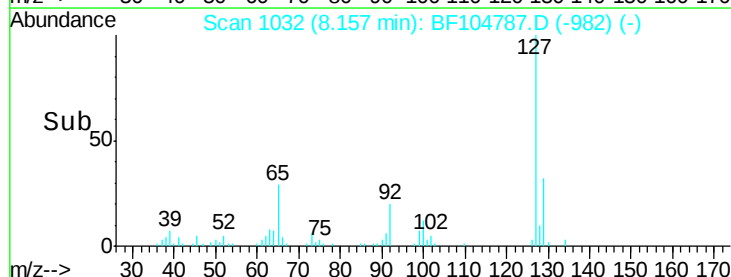
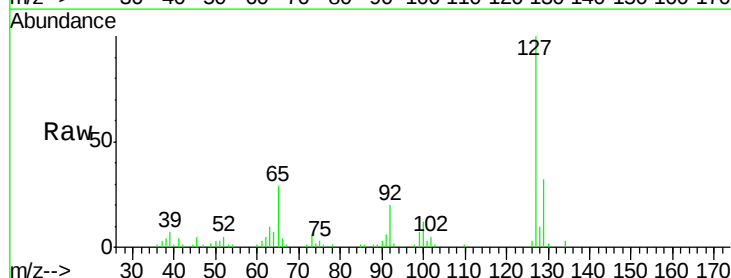
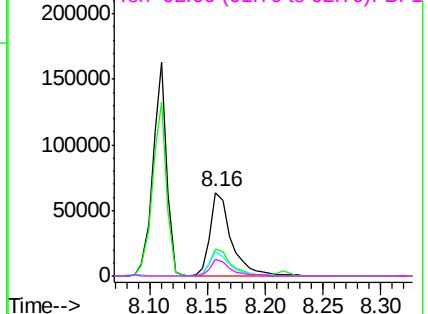
127 100

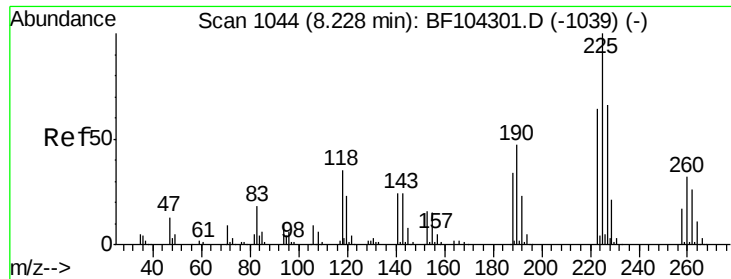
129 31.7 25.9 38.9

65 28.6 25.0 37.4

92 19.7 15.2 22.8

Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BF1  
Ion 92.00 (91.70 to 92.70): BF1





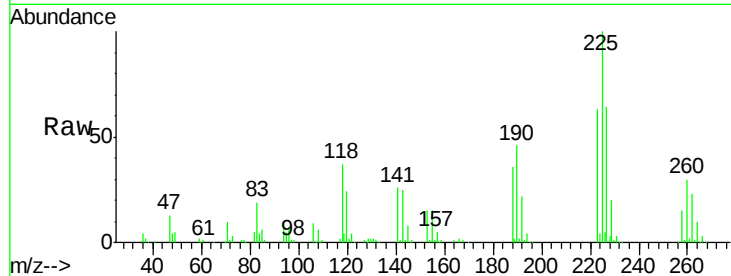
#34  
Hexachlorobutadiene  
Concen: 44.667 ng  
RT: 8.22 min Scan# 1042  
Delta R.T. 0.00 min  
Lab File: BF104787.D  
Acq: 25 Apr 2018 14:32

Instrument :  
BNA\_F  
ClientSampleId :  
HW-12-4-18-18MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 169168 |       |       |
| 223     | 63.0  |        | 50.6  | 76.0  |
| 227     | 63.6  |        | 51.9  | 77.9  |

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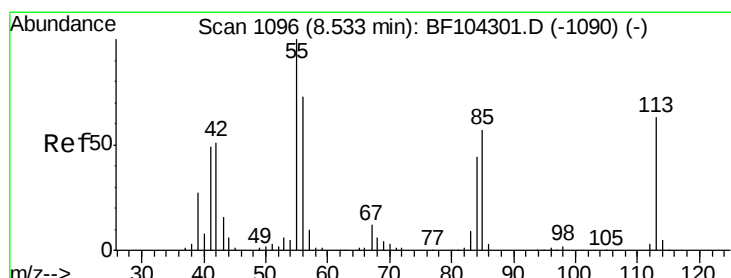
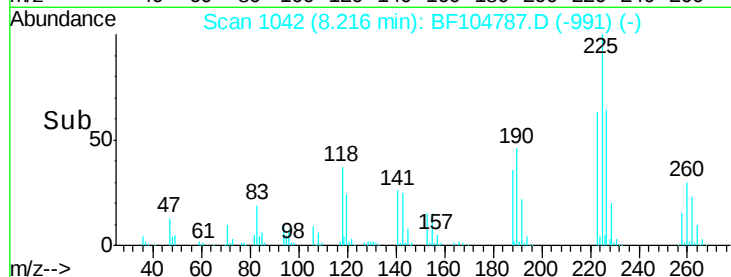
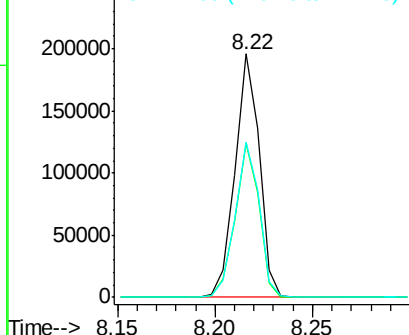


Abundance

Ion 225.00 (224.70 to 225.70): E

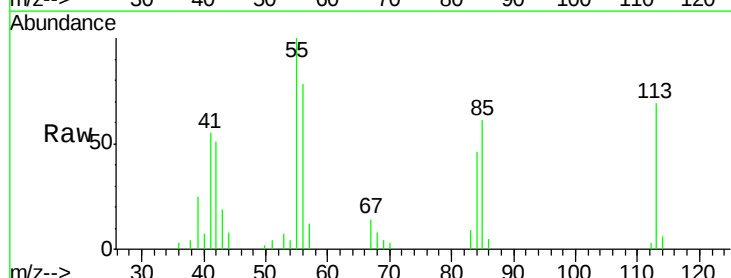
Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E



#35  
Caprolactam  
Concen: 6.967 ng m  
RT: 8.54 min Scan# 1097  
Delta R.T. -0.01 min  
Lab File: BF104787.D  
Acq: 25 Apr 2018 14:32

| Tgt Ion | Ratio | Resp  | Lower | Upper  |
|---------|-------|-------|-------|--------|
| 113     | 100   | 15313 |       |        |
| 55      | 145.2 |       | 163.3 | 203.3# |
| 56      | 112.7 |       | 115.7 | 155.7# |

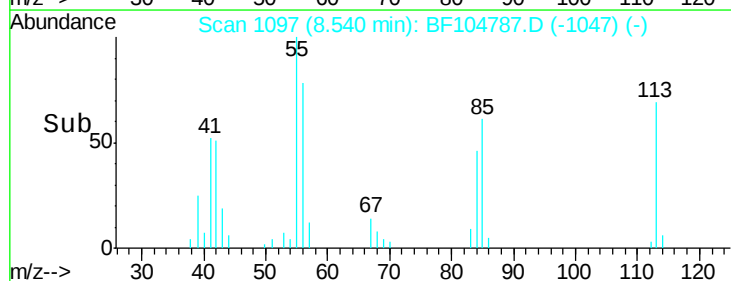
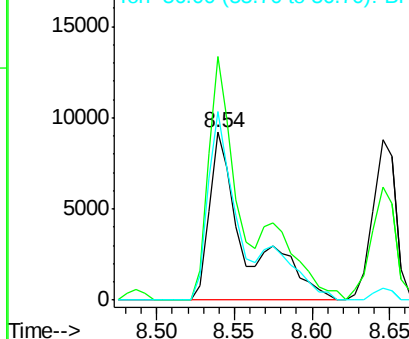


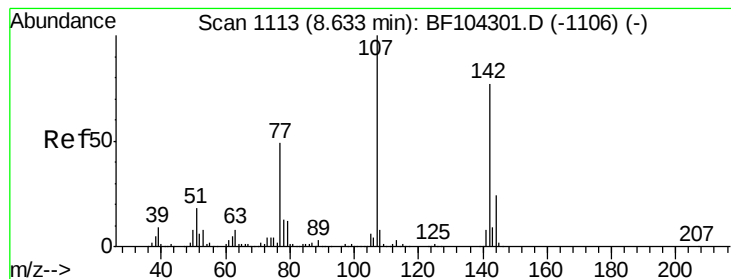
Abundance

Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1





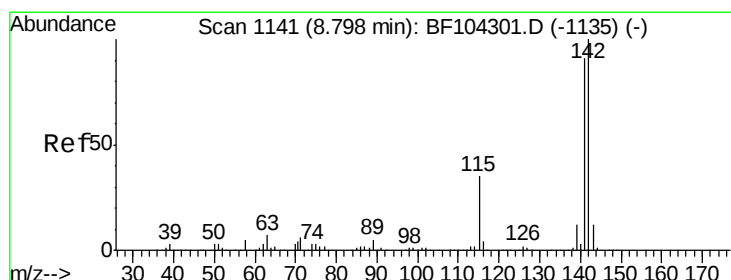
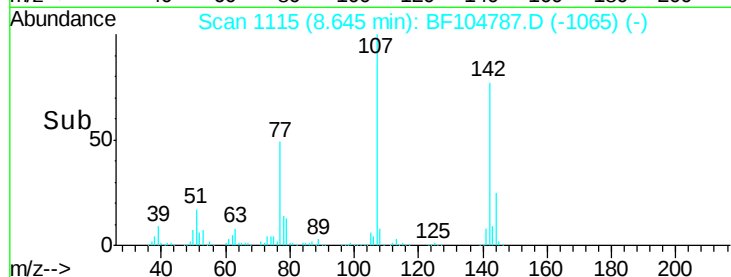
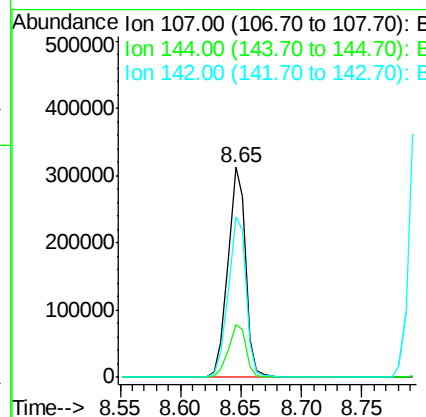
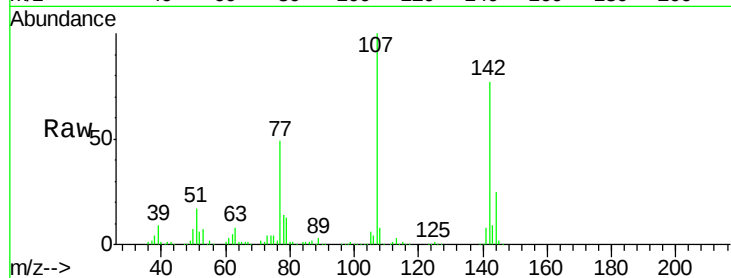
#36  
 4-Chloro-3-methylphenol  
 Concen: 46.798 ng  
 RT: 8.65 min Scan# 1115  
 Delta R.T. -0.01 min  
 Lab File: BF104787.D  
 Acq: 25 Apr 2018 14:32

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HW-12-4-18-18MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 107     | 100   | 316151 |       |       |
| 144     | 25.4  | 20.5   | 30.7  |       |
| 142     | 76.5  | 62.0   | 93.0  |       |

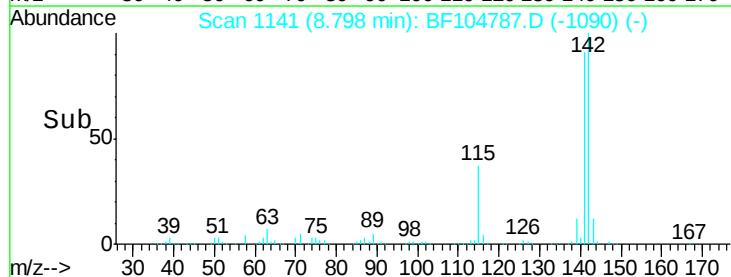
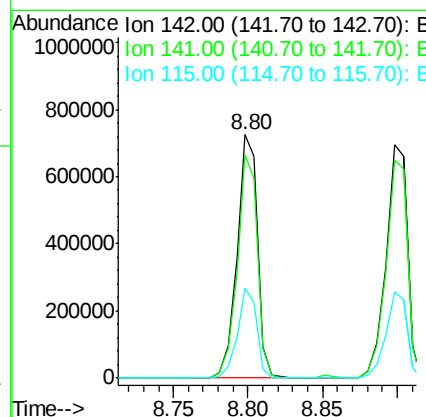
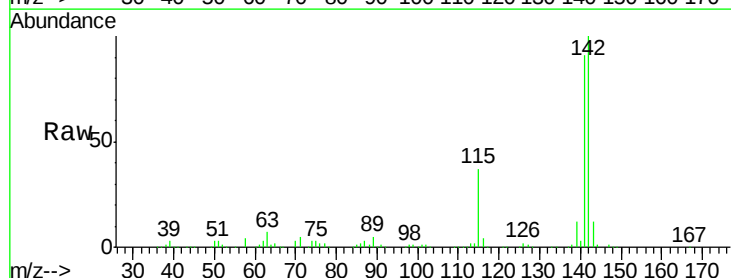
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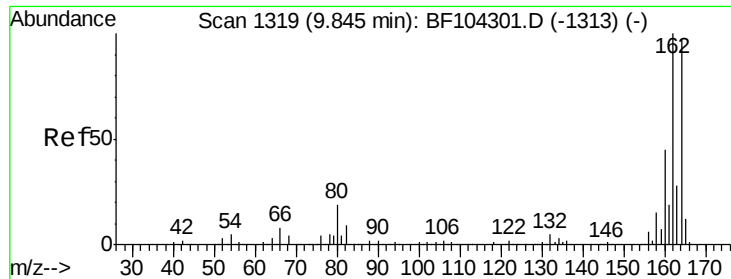
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#37  
 2-Methylnaphthalene  
 Concen: 46.837 ng  
 RT: 8.80 min Scan# 1141  
 Delta R.T. 0.00 min  
 Lab File: BF104787.D  
 Acq: 25 Apr 2018 14:32

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 142     | 100   | 696987 |       |       |
| 141     | 91.4  | 70.8   | 106.2 |       |
| 115     | 36.8  | 26.1   | 39.1  |       |





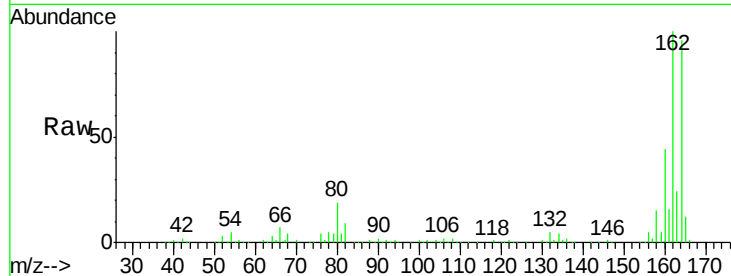
#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.85 min Scan# 1319  
Delta R.T. 0.00 min  
Lab File: BF104787.D  
Acq: 25 Apr 2018 14:32

Instrument :  
BNA\_F  
ClientSampleId :  
HW-12-4-18-18MS

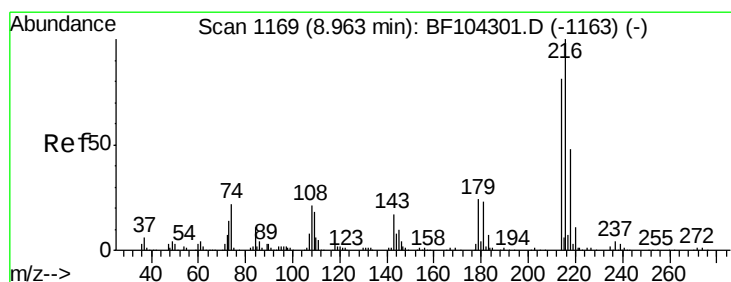
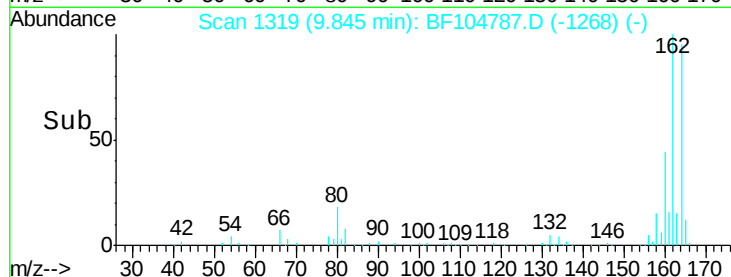
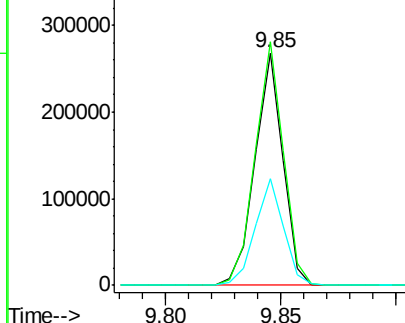
| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 164     | 100   |      |       |       |
| 162     | 104.7 | 86.1 | 129.1 |       |
| 160     | 45.9  | 38.3 | 57.5  |       |

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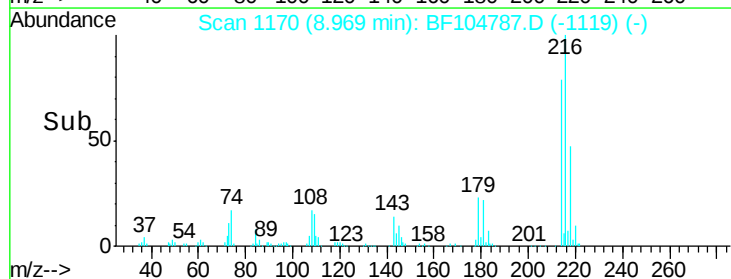
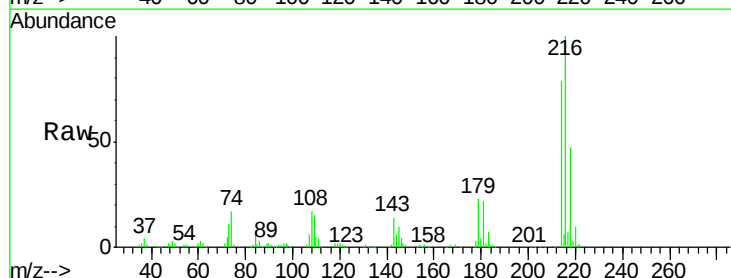
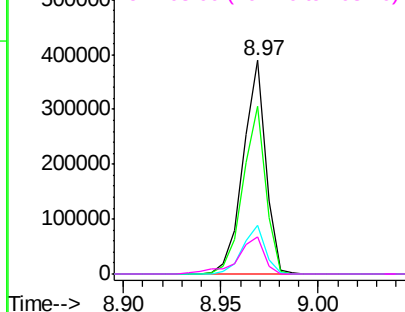
Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

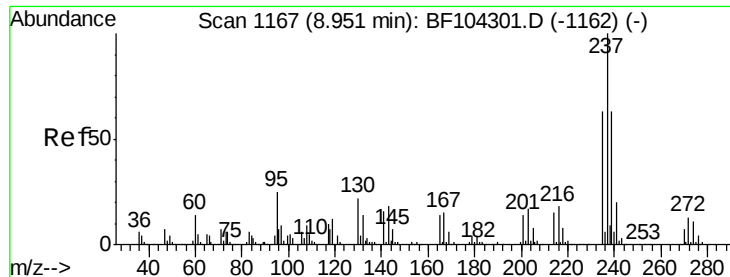


#39  
1,2,4,5-Tetrachlorobenzene  
Concen: 48.307 ng  
RT: 8.97 min Scan# 1170  
Delta R.T. 0.00 min  
Lab File: BF104787.D  
Acq: 25 Apr 2018 14:32

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 216     | 100   |      |       |       |
| 214     | 78.7  | 63.0 | 94.4  |       |
| 179     | 22.8  | 18.1 | 27.1  |       |
| 108     | 20.6  | 17.2 | 25.8  |       |

Abundance Ion 216.00 (215.70 to 216.70): E  
Ion 214.00 (213.70 to 214.70): E  
Ion 179.00 (178.70 to 179.70): E  
Ion 108.00 (107.70 to 108.70): E





#40

Hexachlorocyclopentadiene

Concen: 57.247 ng

RT: 8.95 min Scan# 1166

Delta R.T. 0.00 min

Lab File: BF104787.D

Acq: 25 Apr 2018 14:32

Instrument :

BNA\_F

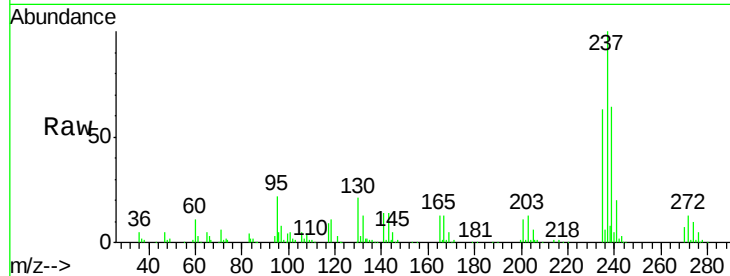
ClientSampleId :

HW-12-4-18-18MS

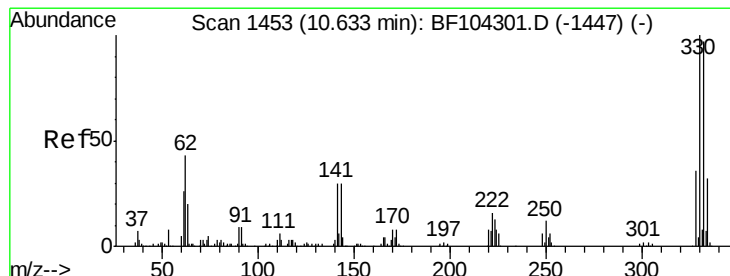
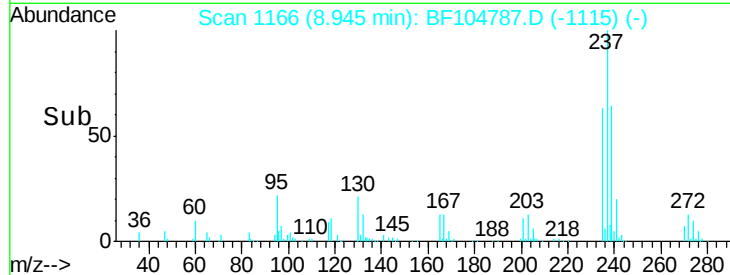
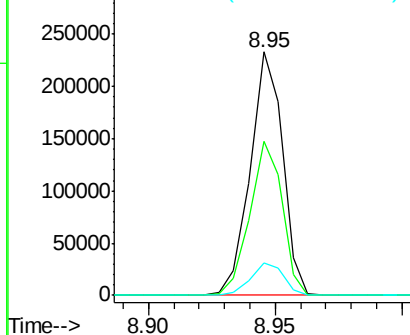
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 237   | Resp: | 208094 |
| Ion Ratio | Lower | Upper |        |
| 237       | 100   |       |        |
| 235       | 63.1  | 44.8  | 84.8   |
| 272       | 13.3  | 0.0   | 33.3   |

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



#41

2,4,6-Tribromophenol

Concen: 151.138 ng

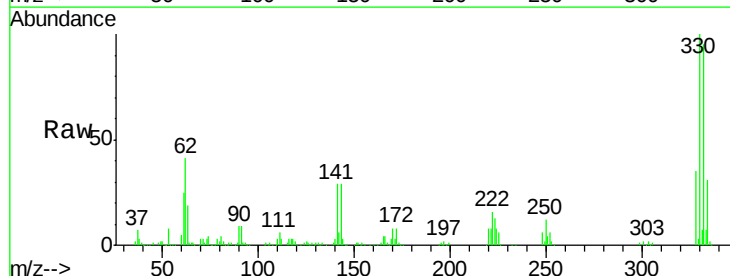
RT: 10.65 min Scan# 1455

Delta R.T. 0.01 min

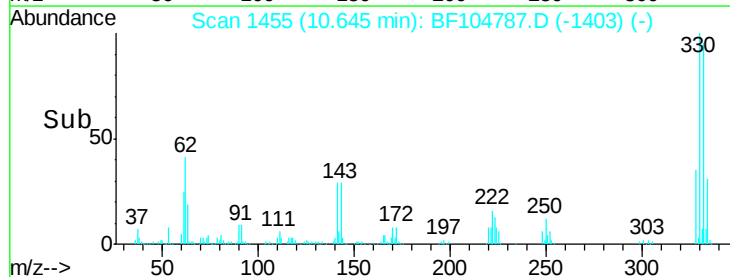
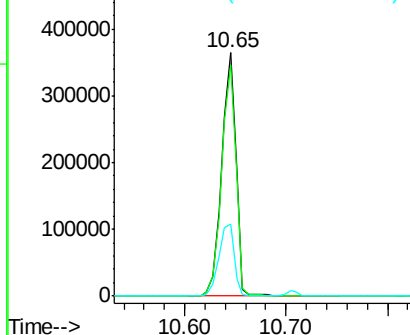
Lab File: BF104787.D

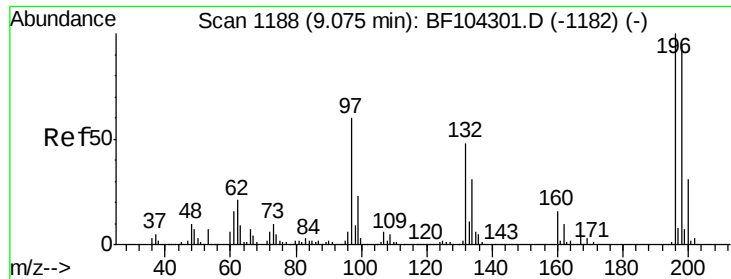
Acq: 25 Apr 2018 14:32

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 330   | Resp: | 355617 |
| Ion Ratio | Lower | Upper |        |
| 330       | 100   |       |        |
| 332       | 95.9  | 77.0  | 115.6  |
| 141       | 31.9  | 29.9  | 44.9   |



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





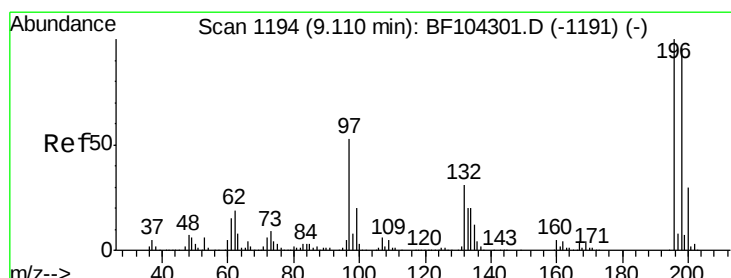
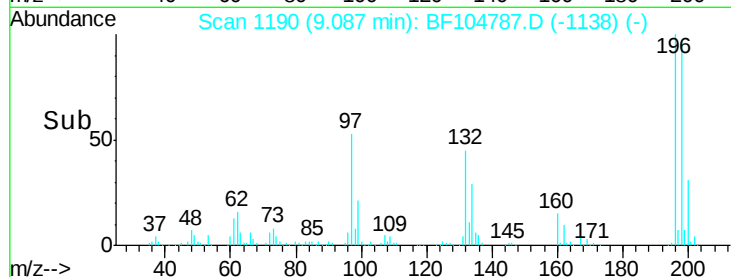
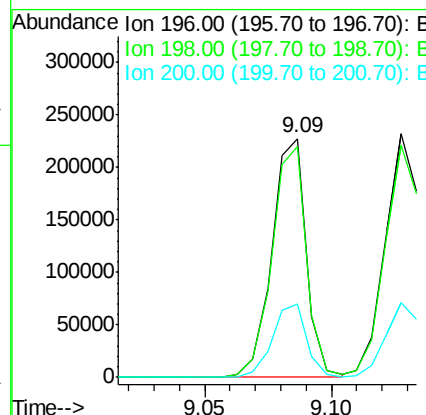
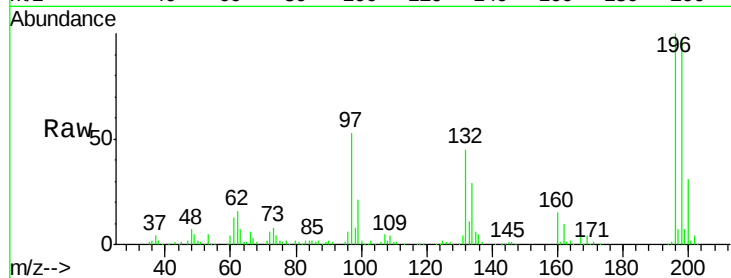
#42  
 2,4,6-Trichlorophenol  
 Concen: 47.902 ng  
 RT: 9.09 min Scan# 1190  
 Delta R.T. 0.01 min  
 Lab File: BF104787.D  
 Acq: 25 Apr 2018 14:32

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HW-12-4-18-18MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 215914 |       |       |
| 198     | 96.7  | 75.7   | 113.5 |       |
| 200     | 30.9  | 24.5   | 36.7  |       |

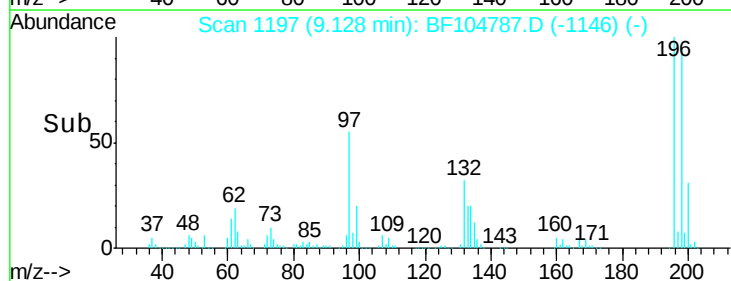
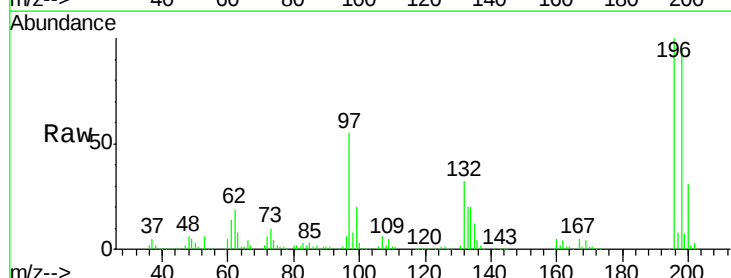
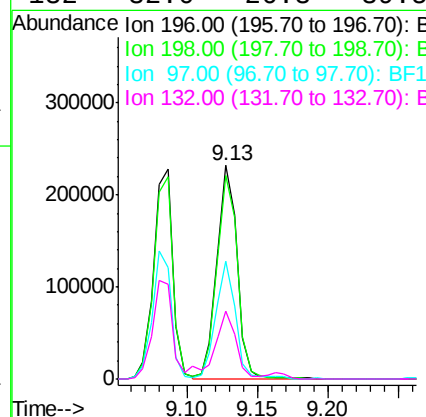
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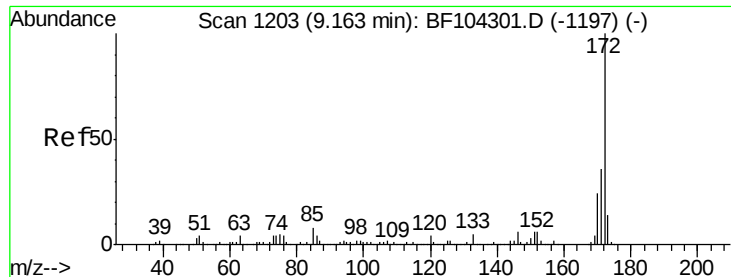
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#43  
 2,4,5-Trichlorophenol  
 Concen: 45.960 ng  
 RT: 9.13 min Scan# 1197  
 Delta R.T. 0.00 min  
 Lab File: BF104787.D  
 Acq: 25 Apr 2018 14:32

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 231819 |       |       |
| 198     | 95.1  | 74.6   | 112.0 |       |
| 97      | 55.1  | 42.9   | 64.3  |       |
| 132     | 32.0  | 26.3   | 39.5  |       |





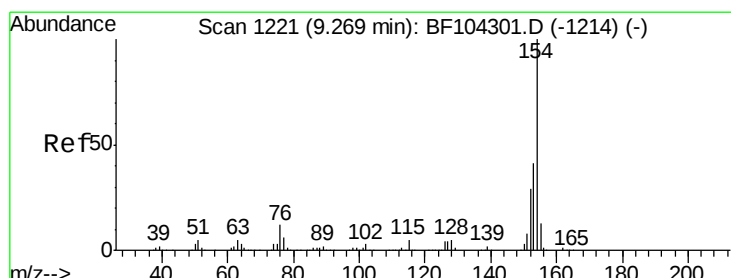
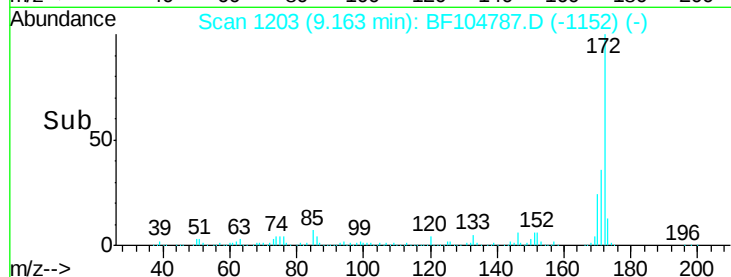
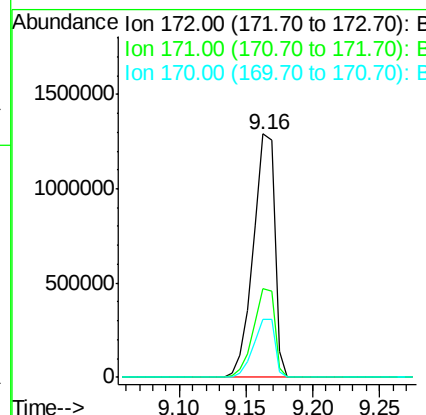
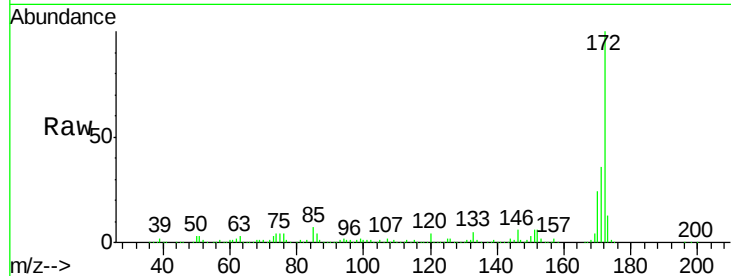
#44  
2-Fluorobiphenyl  
Concen: 98.069 ng  
RT: 9.16 min Scan# 1203  
Delta R.T. 0.00 min  
Lab File: BF104787.D  
Acq: 25 Apr 2018 14:32

Instrument :  
BNA\_F  
ClientSampleId :  
HW-12-4-18-18MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.2  | 29.7  | 44.5  |
| 170     | 24.0  | 19.6  | 29.4  |

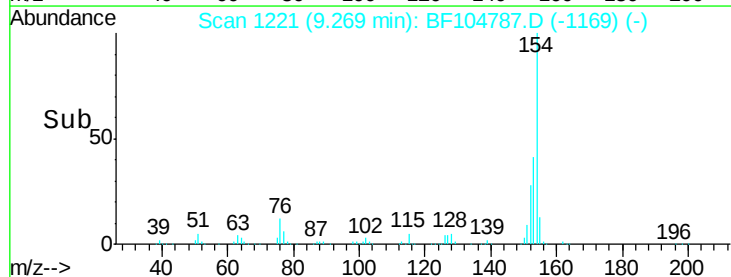
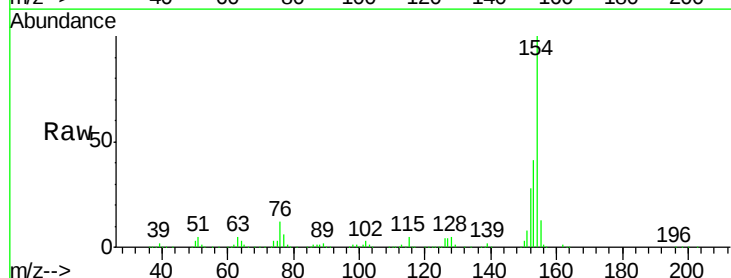
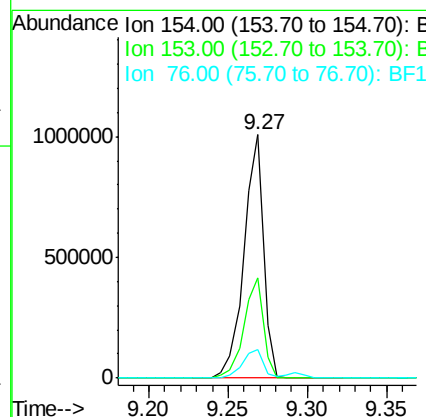
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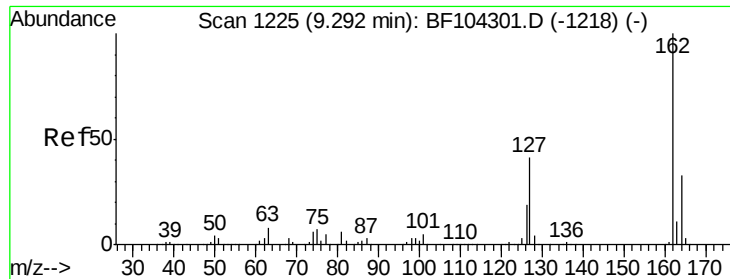
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#45  
1,1'-Biphenyl  
Concen: 44.984 ng  
RT: 9.27 min Scan# 1221  
Delta R.T. 0.01 min  
Lab File: BF104787.D  
Acq: 25 Apr 2018 14:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 41.0  | 21.3  | 61.3  |
| 76      | 11.7  | 0.0   | 34.0  |





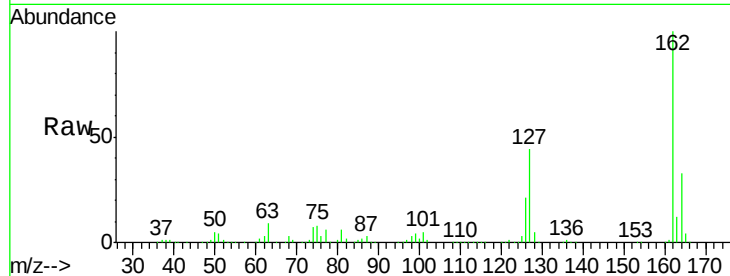
#46  
2-Chloronaphthalene  
Concen: 44.795 ng  
RT: 9.29 min Scan# 1225  
Delta R.T. 0.00 min  
Lab File: BF104787.D  
Acq: 25 Apr 2018 14:32

Instrument :  
BNA\_F  
ClientSampleId :  
HW-12-4-18-18MS

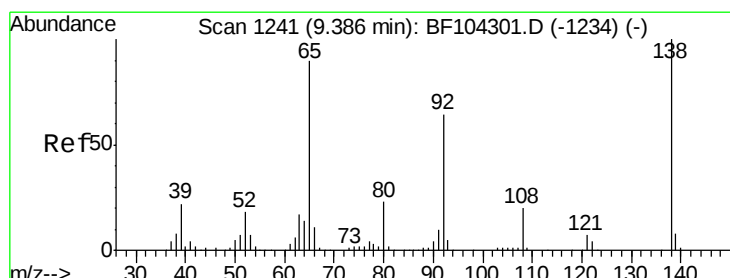
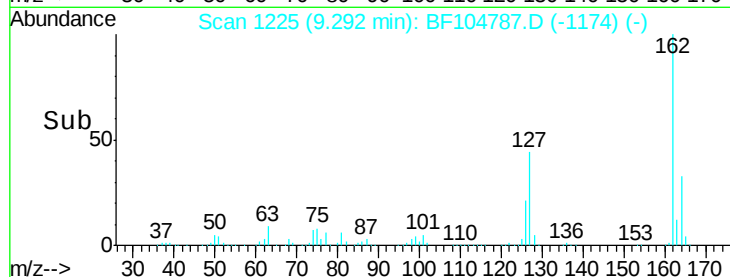
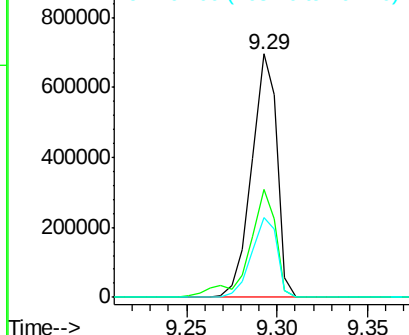
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 44.1  | 33.9  | 50.9  |
| 164     | 32.9  | 26.5  | 39.7  |

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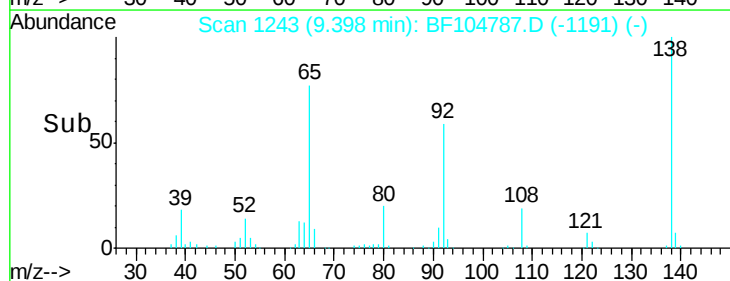
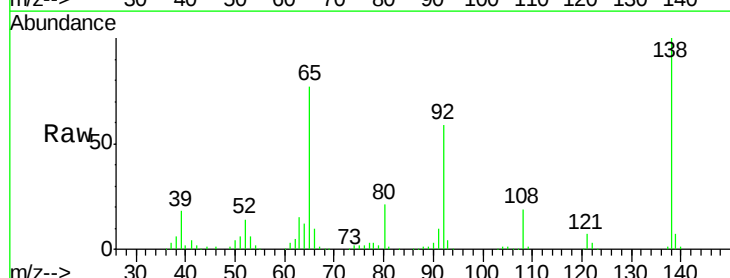
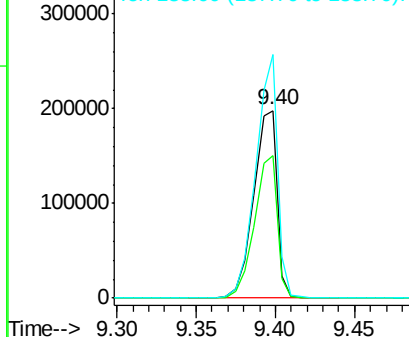
Abundance Ion 162.00 (161.70 to 162.70): E  
Ion 127.00 (126.70 to 127.70): E  
Ion 164.00 (163.70 to 164.70): E

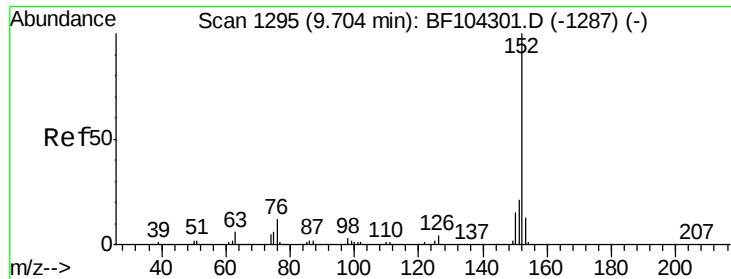


#47  
2-Nitroaniline  
Concen: 55.008 ng  
RT: 9.40 min Scan# 1243  
Delta R.T. 0.01 min  
Lab File: BF104787.D  
Acq: 25 Apr 2018 14:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 76.2  | 55.8  | 83.6  |
| 138     | 129.9 | 91.2  | 136.8 |

Abundance Ion 65.00 (64.70 to 65.70): BF1  
Ion 92.00 (91.70 to 92.70): BF1  
Ion 138.00 (137.70 to 138.70): E





#48

Acenaphthylene

Concen: 42.535 ng

RT: 9.71 min Scan# 1296

Delta R.T. 0.00 min

Lab File: BF104787.D

Acq: 25 Apr 2018 14:32

Instrument :

BNA\_F

ClientSampleId :

HW-12-4-18-18MS

Tot Ion:152 Resp: 1004451

Ion Ratio Lower Upper

152 100

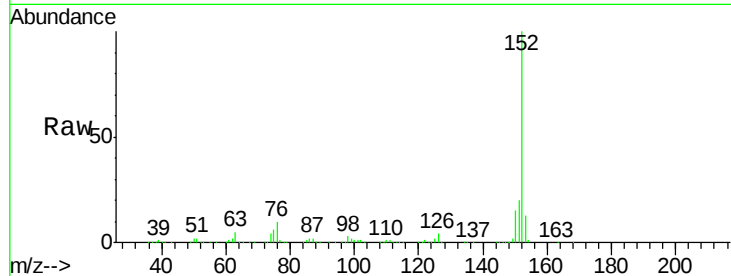
151 20.3 16.3 24.5

153 13.4 10.7 16.1

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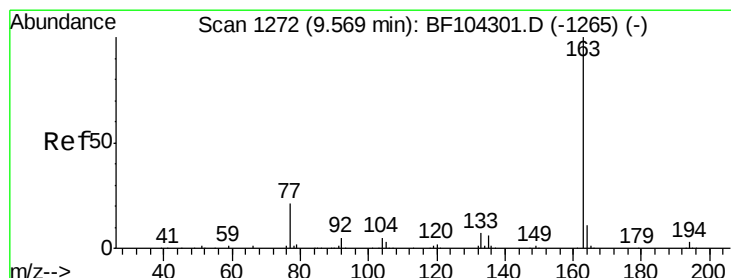
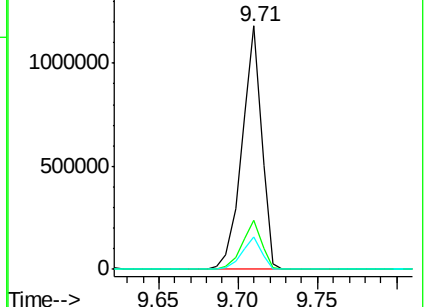
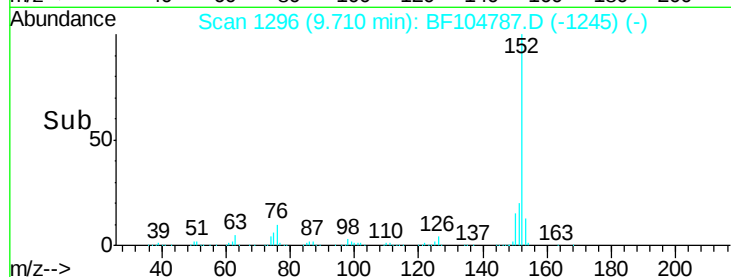
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 49.358 ng

RT: 9.57 min Scan# 1272

Delta R.T. 0.00 min

Lab File: BF104787.D

Acq: 25 Apr 2018 14:32

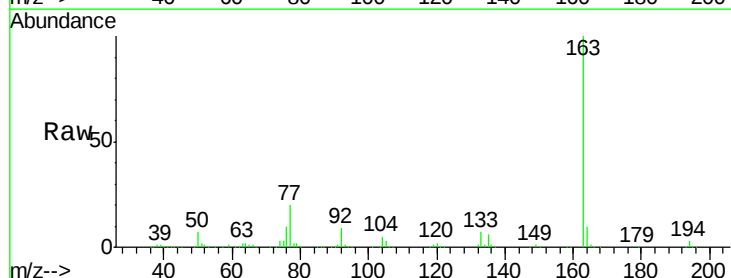
Tgt Ion:163 Resp: 882869

Ion Ratio Lower Upper

163 100

194 3.4 2.7 4.1

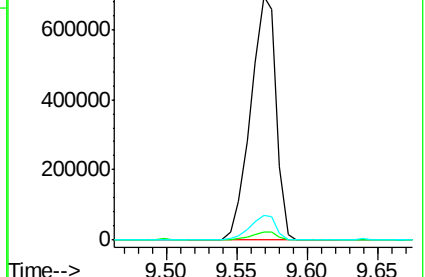
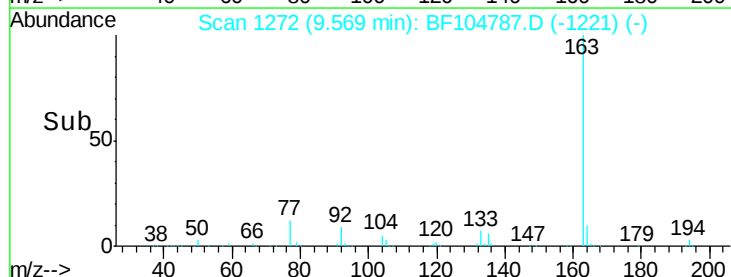
164 10.2 8.2 12.2

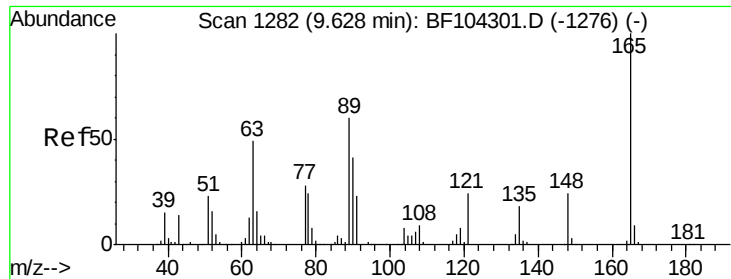


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





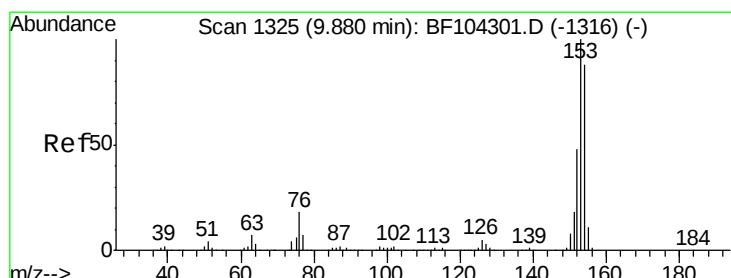
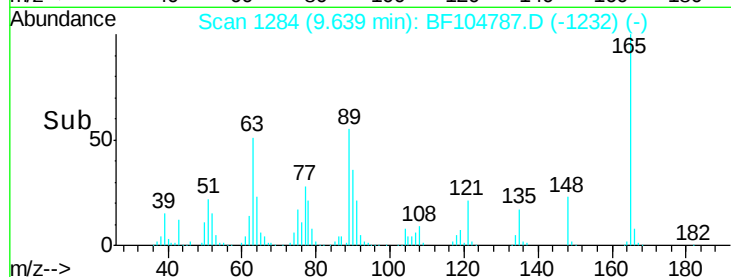
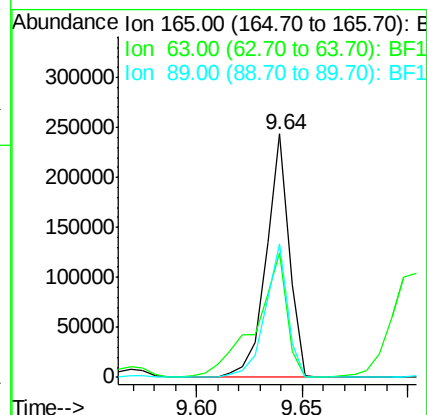
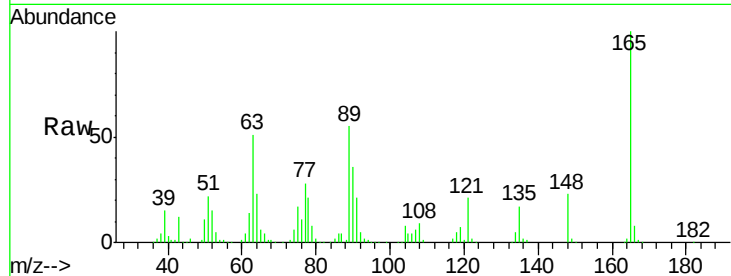
#50  
 2,6-Dinitrotoluene  
 Concen: 55.840 ng  
 RT: 9.64 min Scan# 1284  
 Delta R.T. 0.01 min  
 Lab File: BF104787.D  
 Acq: 25 Apr 2018 14:32

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HW-12-4-18-18MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 165     | 100   | 184817 |       |       |
| 63      | 51.4  | 44.7   | 67.1  |       |
| 89      | 55.1  | 44.0   | 66.0  |       |

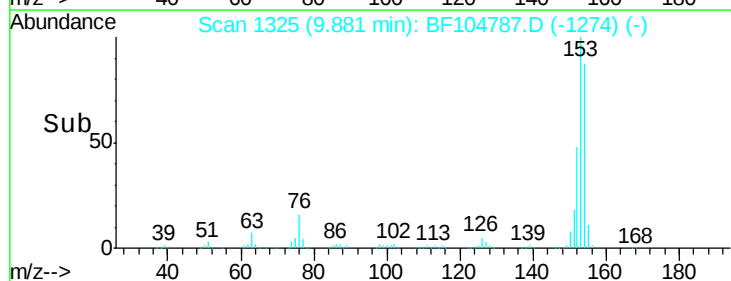
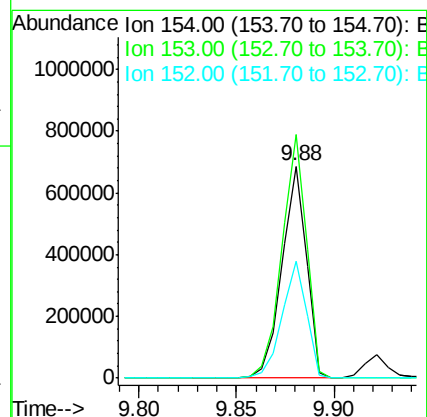
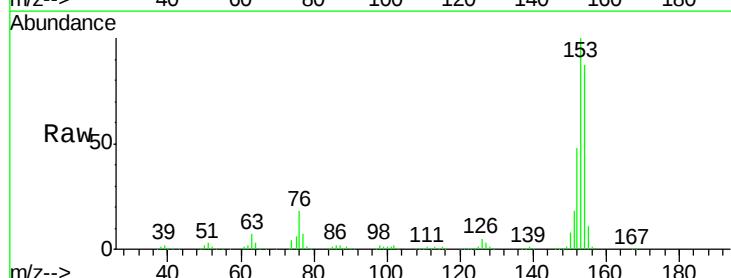
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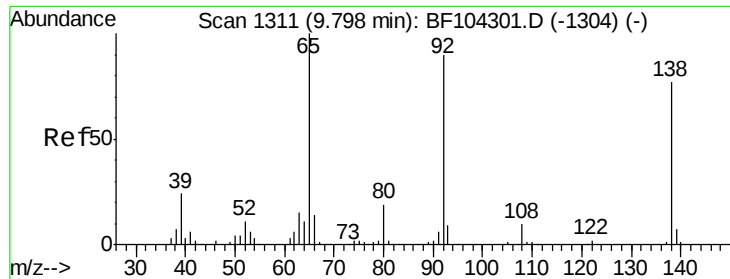
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#51  
 Acenaphthene  
 Concen: 41.416 ng  
 RT: 9.88 min Scan# 1325  
 Delta R.T. 0.00 min  
 Lab File: BF104787.D  
 Acq: 25 Apr 2018 14:32

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 154     | 100   | 596718 |       |       |
| 153     | 114.9 | 91.2   | 136.8 |       |
| 152     | 55.2  | 43.8   | 65.8  |       |





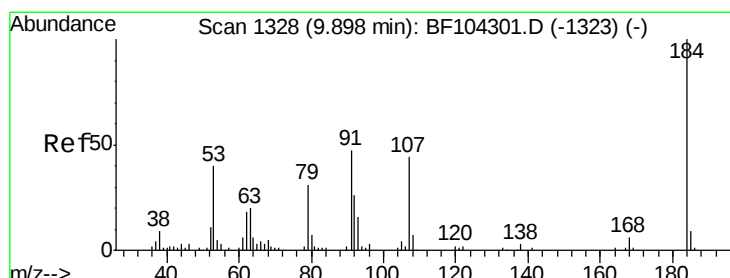
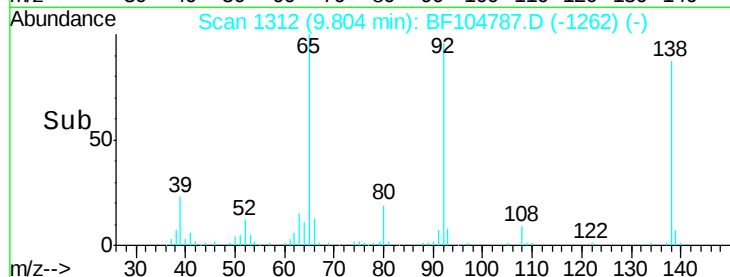
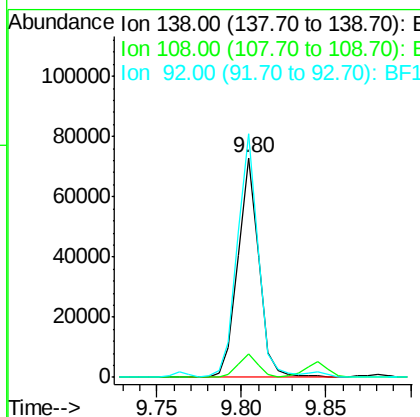
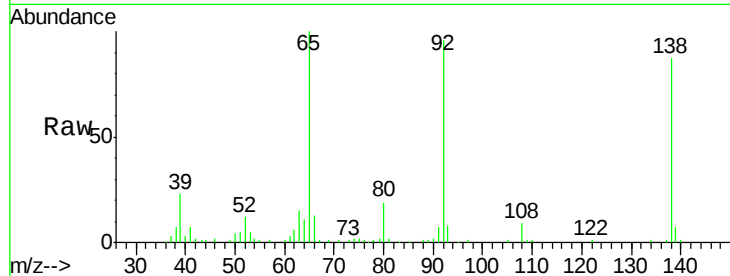
#52  
3-Nitroaniline  
Concen: 16.205 ng  
RT: 9.80 min Scan# 1312  
Delta R.T. -0.01 min  
Lab File: BF104787.D  
Acq: 25 Apr 2018 14:32

Instrument :  
BNA\_F  
ClientSampleId :  
HW-12-4-18-18MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 108     | 10.6  | 9.4   | 14.0  |
| 92      | 110.9 | 89.4  | 134.2 |

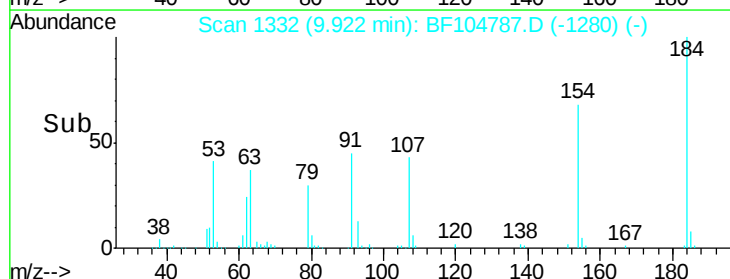
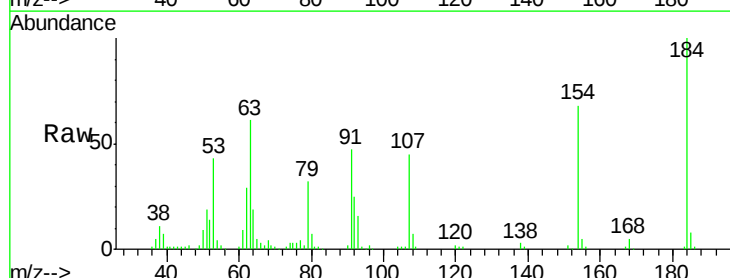
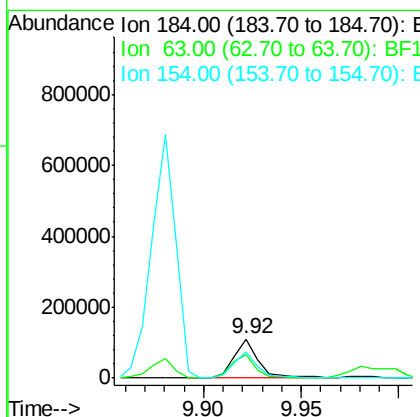
Manual Integrations  
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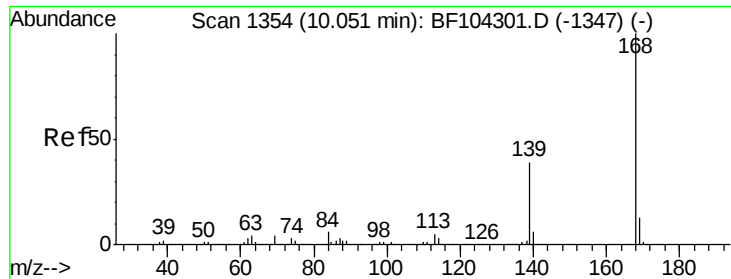
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#53  
2,4-Dinitrophenol  
Concen: 73.532 ng  
RT: 9.92 min Scan# 1332  
Delta R.T. 0.01 min  
Lab File: BF104787.D  
Acq: 25 Apr 2018 14:32

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 184     | 100   |       |        |
| 63      | 60.9  | 54.2  | 81.2   |
| 154     | 67.7  | 184.0 | 276.0# |





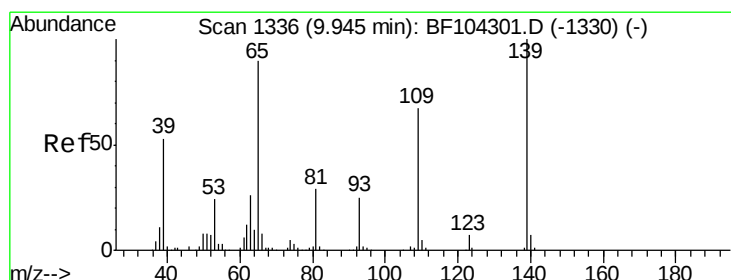
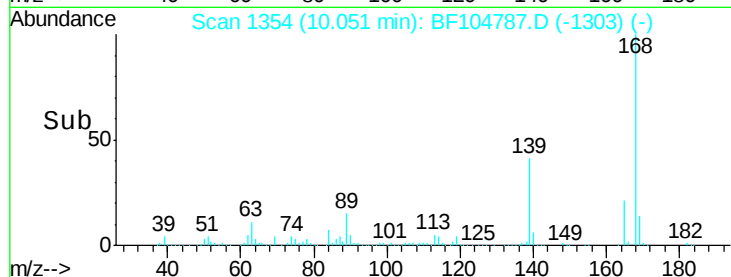
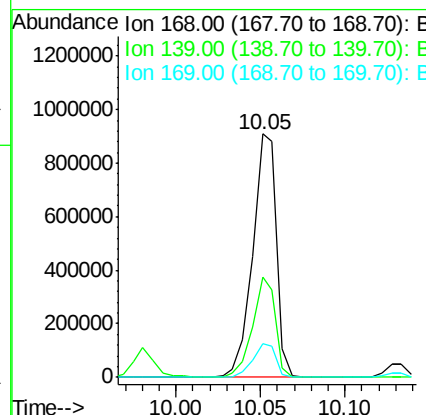
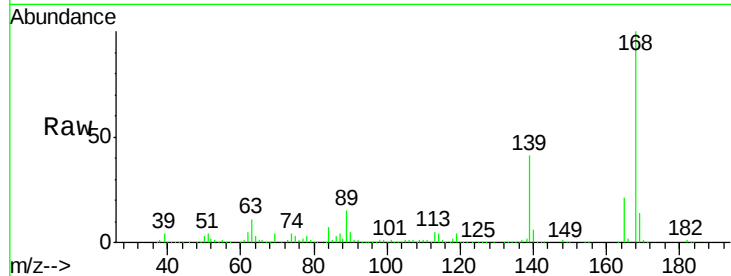
#54  
Dibenzenofuran  
Concen: 44.526 ng  
RT: 10.05 min Scan# 1354  
Delta R.T. 0.00 min  
Lab File: BF104787.D  
Acq: 25 Apr 2018 14:32

Instrument :  
BNA\_F  
ClientSampleId :  
HW-12-4-18-18MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 41.2  | 30.1  | 45.1  |
| 169     | 13.9  | 10.9  | 16.3  |

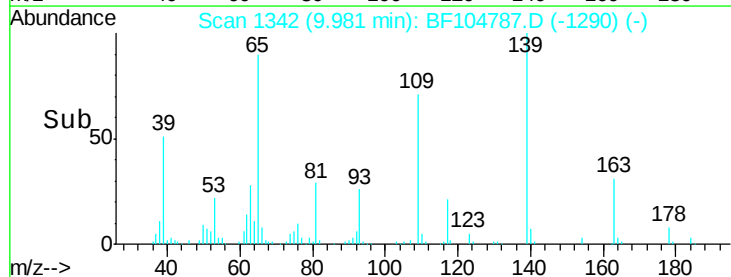
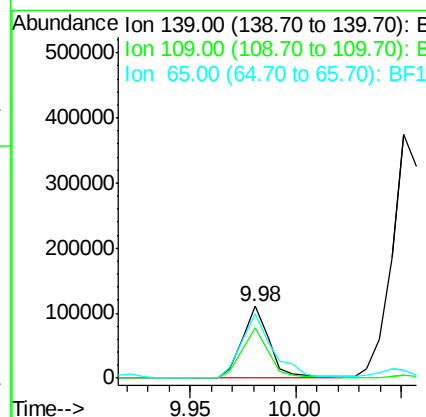
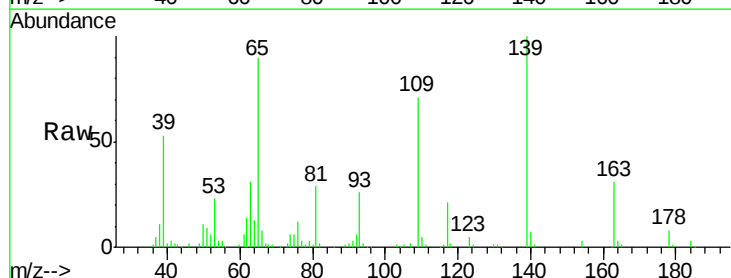
Manual Integrations  
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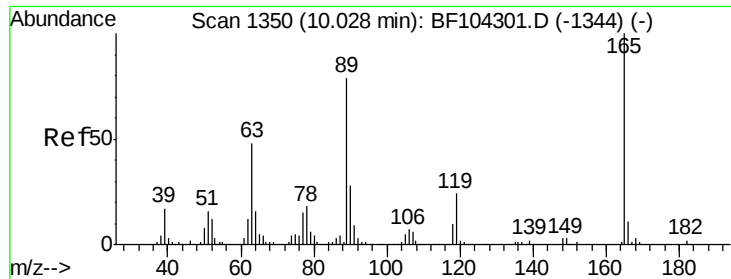
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#55  
4-Nitrophenol  
Concen: 32.525 ng  
RT: 9.98 min Scan# 1342  
Delta R.T. 0.01 min  
Lab File: BF104787.D  
Acq: 25 Apr 2018 14:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 70.5  | 48.4  | 88.4  |
| 65      | 90.4  | 72.6  | 112.6 |





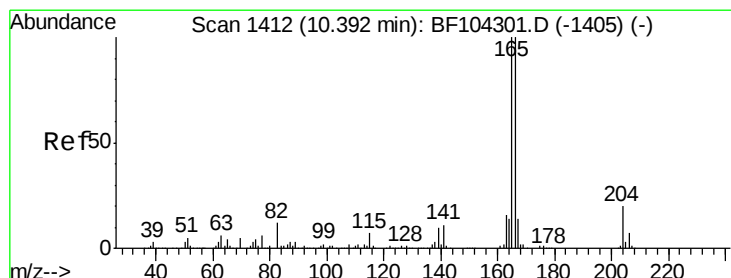
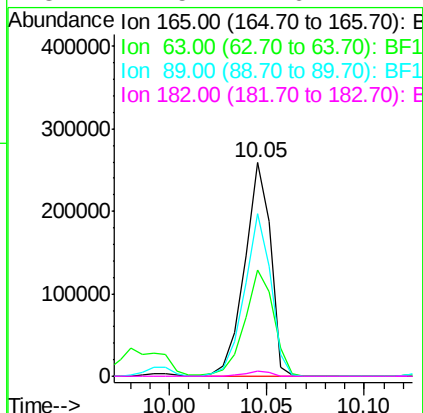
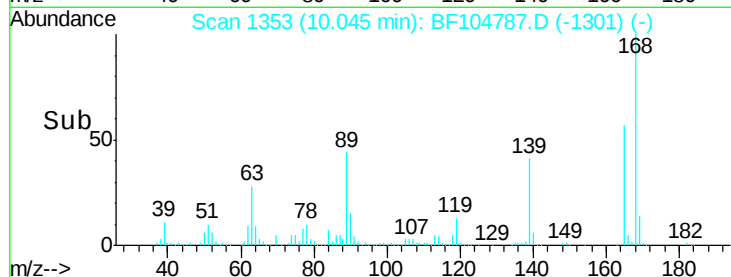
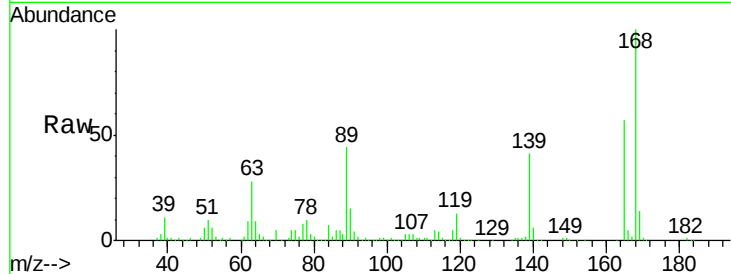
#56  
 2,4-Dinitrotoluene  
 Concen: 54.878 ng  
 RT: 10.05 min Scan# 1353  
 Delta R.T. 0.01 min  
 Lab File: BF104787.D  
 Acq: 25 Apr 2018 14:32

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HW-12-4-18-18MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 165     | 100   | 238252 |       |       |
| 63      | 49.6  | 36.4   | 54.6  |       |
| 89      | 76.2  | 57.8   | 86.6  |       |
| 182     | 2.5   | 1.6    | 2.4   |       |

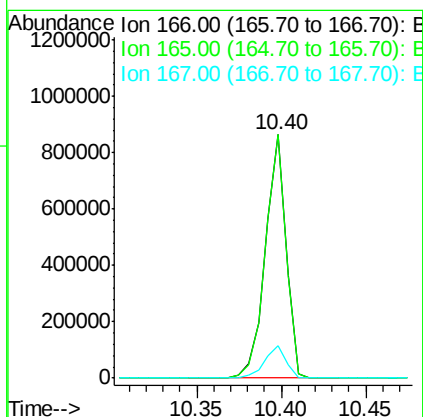
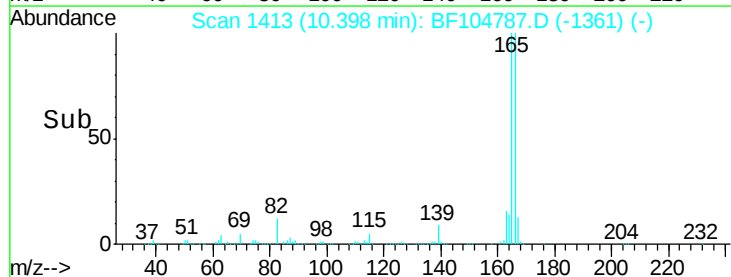
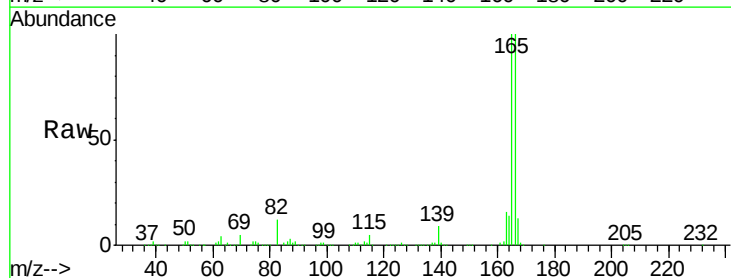
Manual Integrations  
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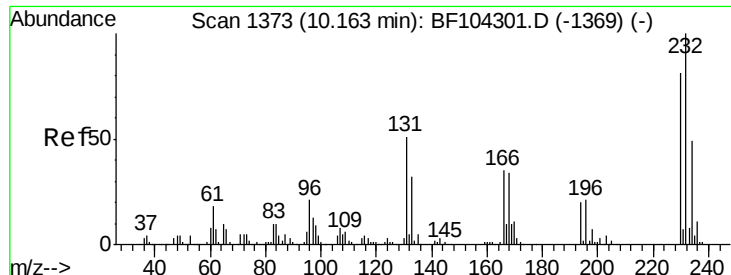
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#57  
 Fluorene  
 Concen: 49.981 ng  
 RT: 10.40 min Scan# 1413  
 Delta R.T. 0.01 min  
 Lab File: BF104787.D  
 Acq: 25 Apr 2018 14:32

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 166     | 100   | 730477 |       |       |
| 165     | 100.0 | 79.8   | 119.8 |       |
| 167     | 13.2  | 10.6   | 16.0  |       |





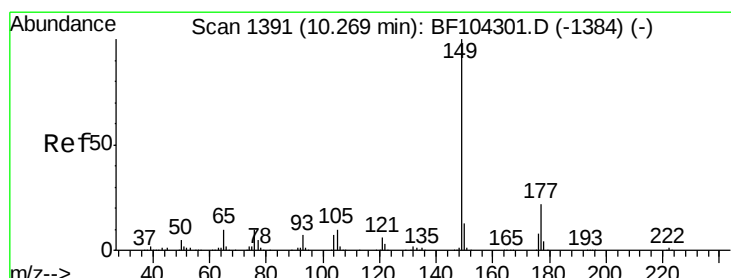
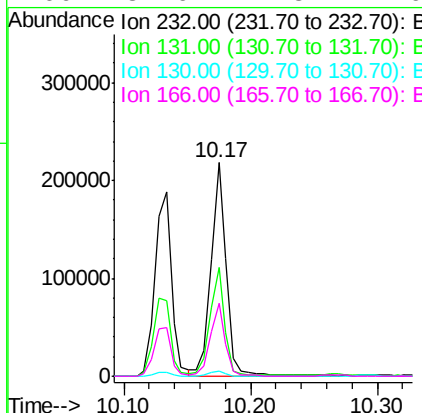
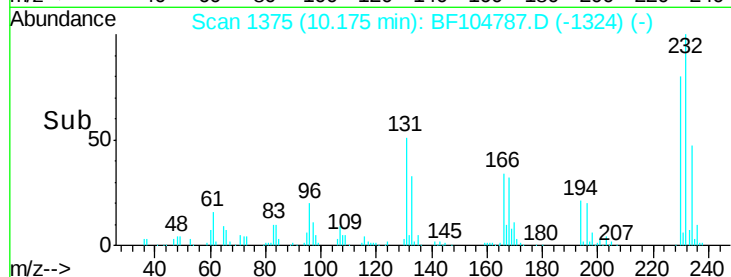
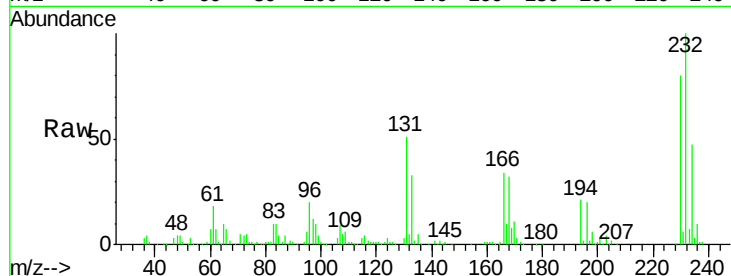
#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 49.289 ng  
 RT: 10.17 min Scan# 1375  
 Delta R.T. 0.00 min  
 Lab File: BF104787.D  
 Acq: 25 Apr 2018 14:32

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HW-12-4-18-18MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 232     | 100   |       |       |
| 131     | 48.4  | 43.8  | 65.8  |
| 130     | 2.6   | 2.1   | 3.1   |
| 166     | 32.6  | 27.8  | 41.6  |

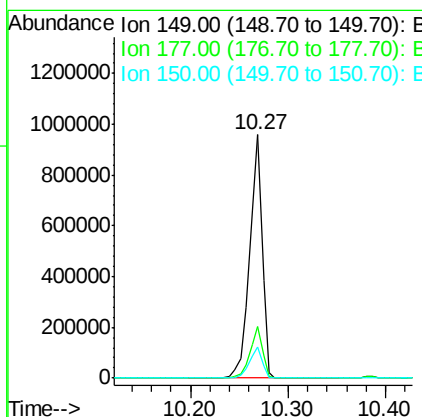
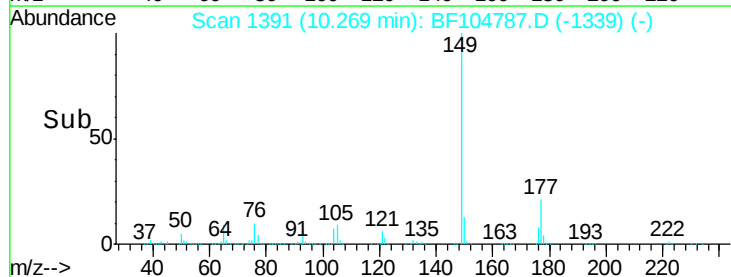
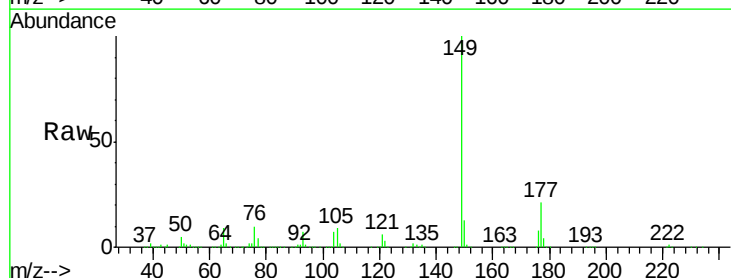
Manual Integrations  
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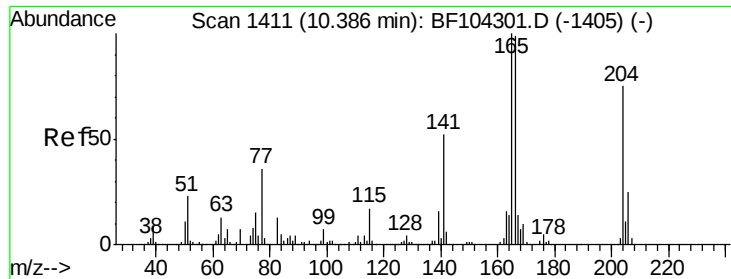
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#59  
 Diethylphthalate  
 Concen: 48.313 ng  
 RT: 10.27 min Scan# 1391  
 Delta R.T. 0.01 min  
 Lab File: BF104787.D  
 Acq: 25 Apr 2018 14:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 21.3  | 16.1  | 24.1  |
| 150     | 12.6  | 10.1  | 15.1  |





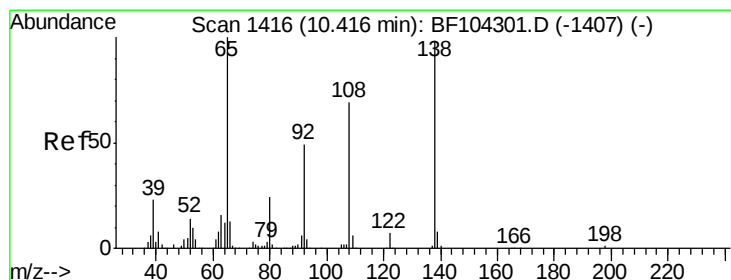
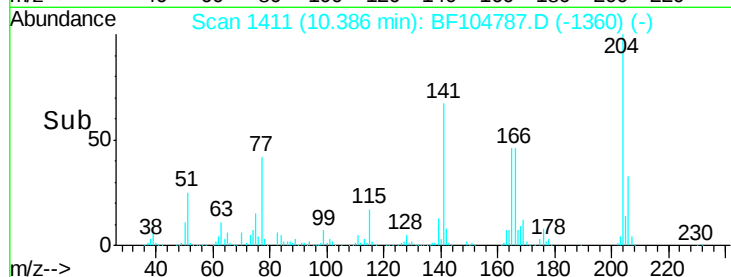
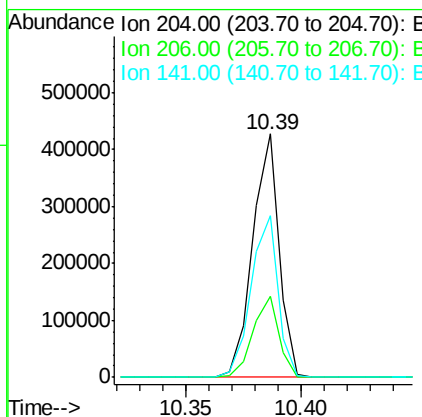
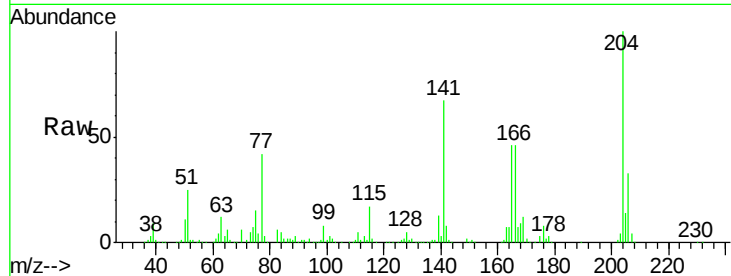
#60  
 4-Chlorophenyl-phenylether  
 Concen: 52.825 ng  
 RT: 10.39 min Scan# 1411  
 Delta R.T. 0.00 min  
 Lab File: BF104787.D  
 Acq: 25 Apr 2018 14:32

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HW-12-4-18-18MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 204   | Resp: | 343827 |
| Ion Ratio | Lower | Upper |        |
| 204       | 100   |       |        |
| 206       | 33.4  | 26.5  | 39.7   |
| 141       | 66.5  | 54.6  | 81.8   |

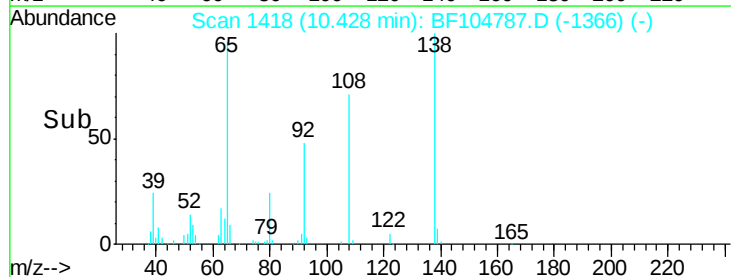
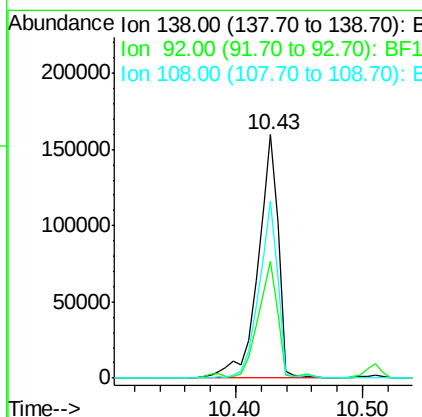
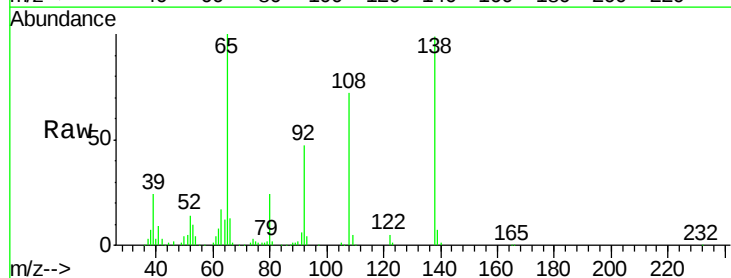
Manual Integrations  
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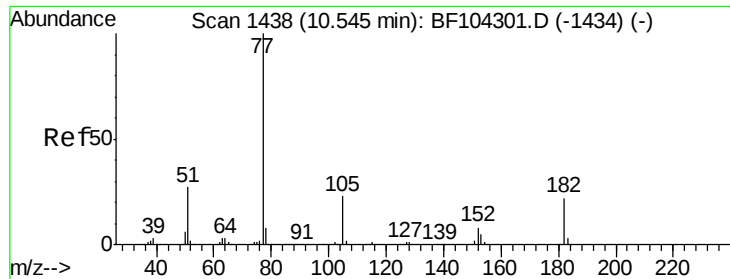
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#61  
 4-Nitroaniline  
 Concen: 47.454 ng  
 RT: 10.43 min Scan# 1418  
 Delta R.T. 0.01 min  
 Lab File: BF104787.D  
 Acq: 25 Apr 2018 14:32

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 138   | Resp: | 179788 |
| Ion Ratio | Lower | Upper |        |
| 138       | 100   |       |        |
| 92        | 48.0  | 30.2  | 70.2   |
| 108       | 72.7  | 52.5  | 92.5   |





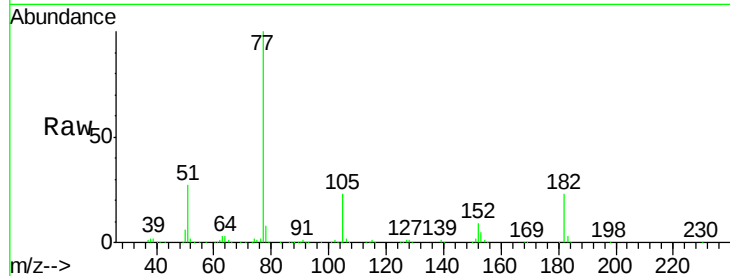
#62  
Azobenzene  
Concen: 44.709 ng  
RT: 10.55 min Scan# 1438  
Delta R.T. 0.00 min  
Lab File: BF104787.D  
Acq: 25 Apr 2018 14:32

Instrument :  
BNA\_F  
ClientSampleId :  
HW-12-4-18-18MS

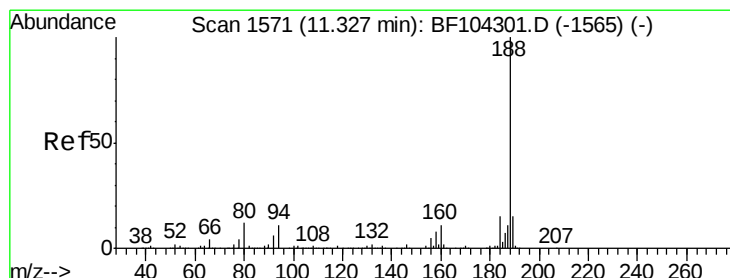
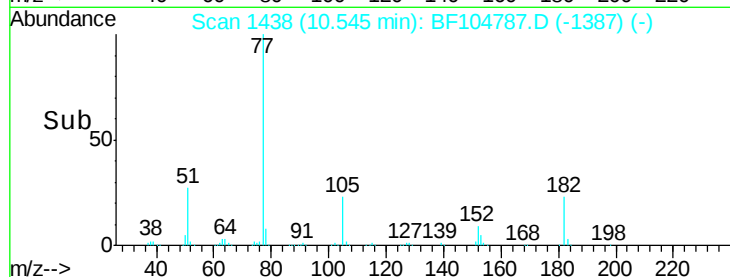
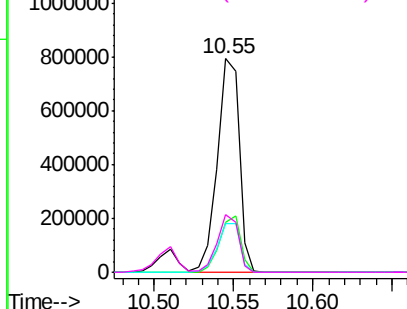
| Tot Ion | 77    | Resp  | 760929 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 77      | 100   |       |        |
| 182     | 23.1  | 1.7   | 41.7   |
| 105     | 23.0  | 3.0   | 43.0   |
| 51      | 26.8  | 9.9   | 49.9   |

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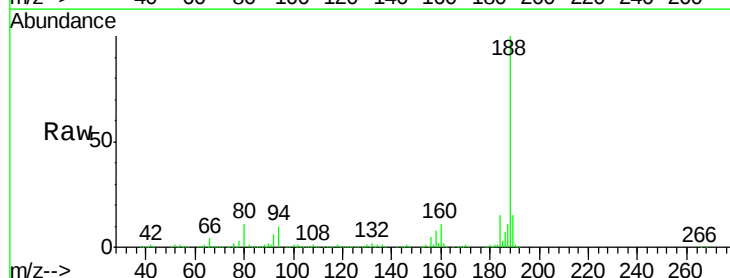


Abundance Ion 77.00 (76.70 to 77.70): BF1  
Ion 182.00 (181.70 to 182.70): E  
Ion 105.00 (104.70 to 105.70): E  
Ion 51.00 (50.70 to 51.70): BF1

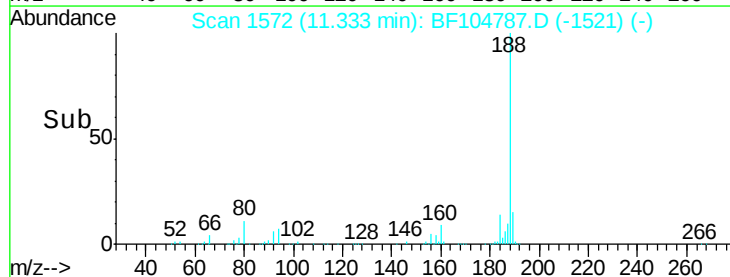
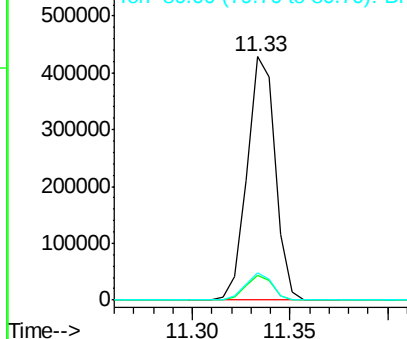


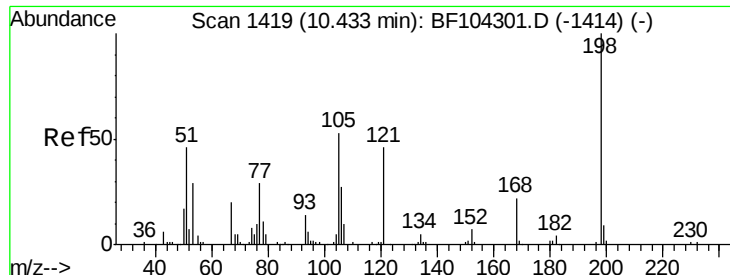
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.33 min Scan# 1572  
Delta R.T. 0.00 min  
Lab File: BF104787.D  
Acq: 25 Apr 2018 14:32

| Tgt Ion | 188   | Resp  | 426986 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 188     | 100   |       |        |
| 94      | 10.4  | 8.5   | 12.7   |
| 80      | 11.3  | 9.2   | 13.8   |



Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF1  
Ion 80.00 (79.70 to 80.70): BF1





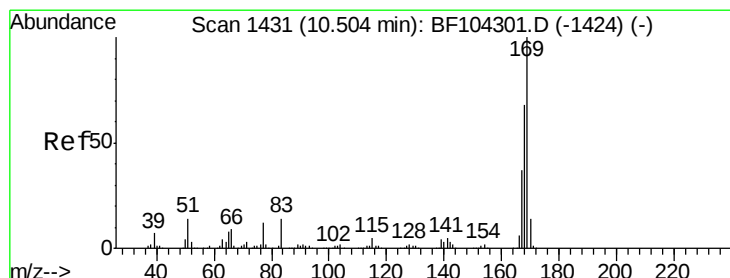
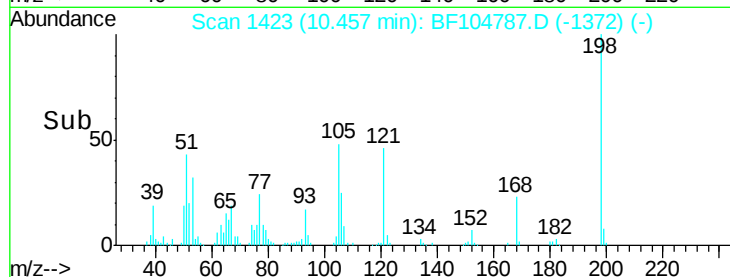
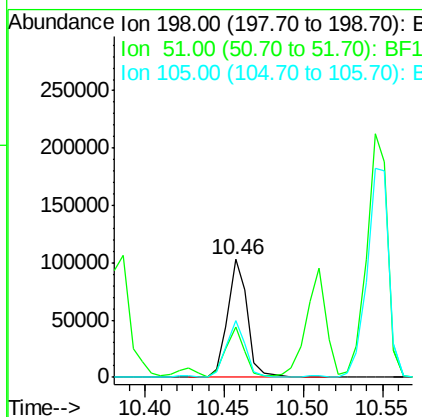
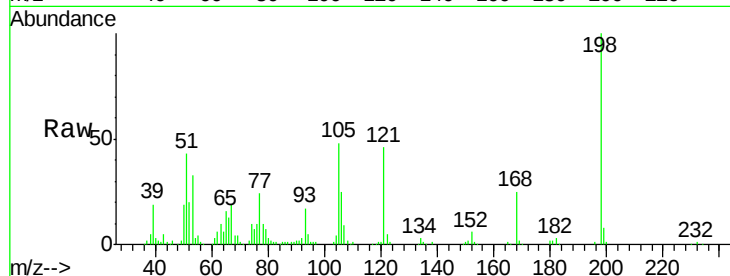
#64  
 4,6-Dinitro-2-methylphenol  
 Concen: 44.120 ng  
 RT: 10.46 min Scan# 1423  
 Delta R.T. 0.00 min  
 Lab File: BF104787.D  
 Acq: 25 Apr 2018 14:32

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HW-12-4-18-18MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 198     | 100   |       |       |
| 51      | 43.0  | 37.7  | 77.7  |
| 105     | 47.7  | 36.3  | 76.3  |

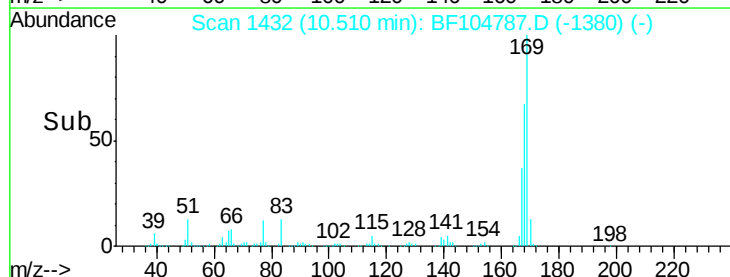
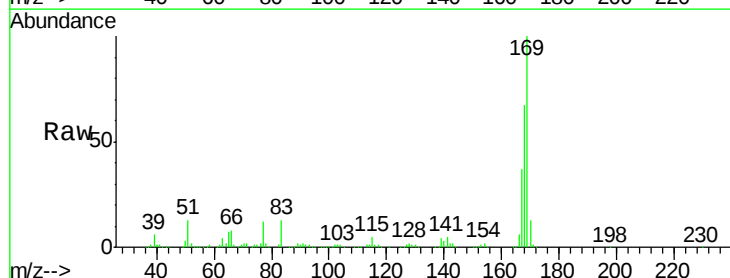
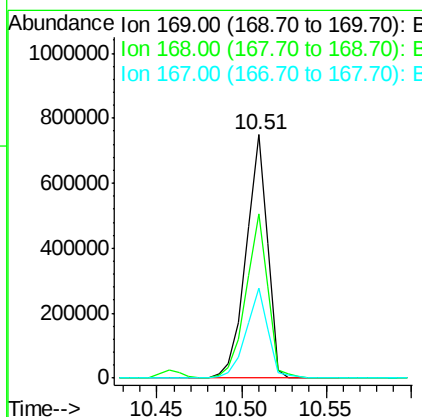
Manual Integrations  
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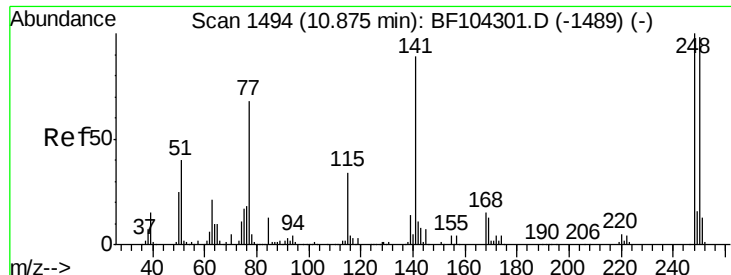
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#65  
 n-Nitrosodiphenylamine  
 Concen: 45.208 ng  
 RT: 10.51 min Scan# 1432  
 Delta R.T. 0.01 min  
 Lab File: BF104787.D  
 Acq: 25 Apr 2018 14:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 169     | 100   |       |       |
| 168     | 67.4  | 54.4  | 81.6  |
| 167     | 36.7  | 29.8  | 44.6  |





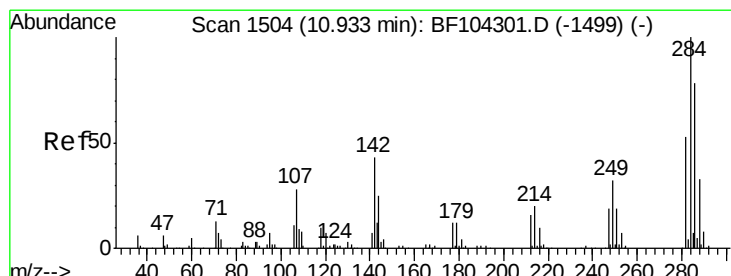
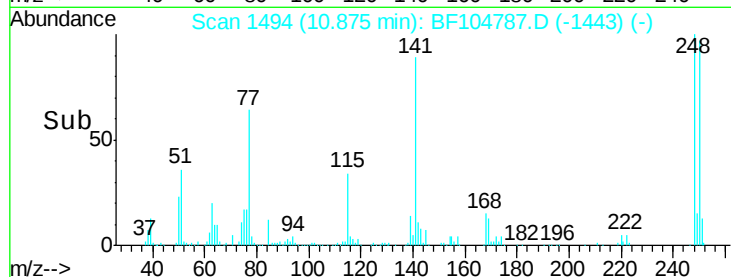
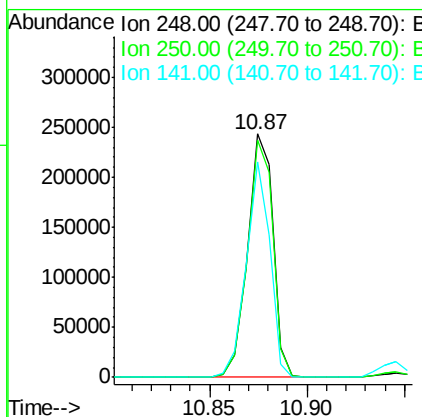
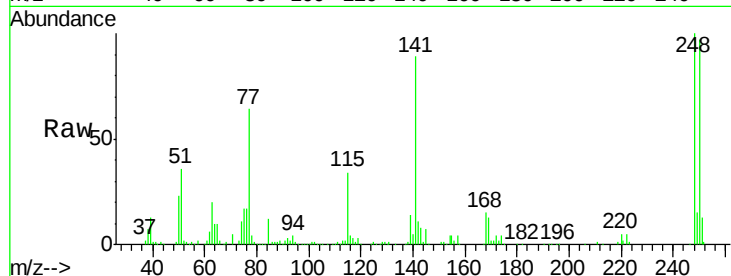
#66  
 4-Bromophenyl-phenylether  
 Concen: 48.418 ng  
 RT: 10.87 min Scan# 1494  
 Delta R.T. 0.00 min  
 Lab File: BF104787.D  
 Acq: 25 Apr 2018 14:32

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HW-12-4-18-18MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 248   | Resp: | 219902 |
| Ion Ratio | Lower | Upper |        |
| 248       | 100   |       |        |
| 250       | 97.2  | 76.9  | 115.3  |
| 141       | 88.8  | 74.4  | 111.6  |

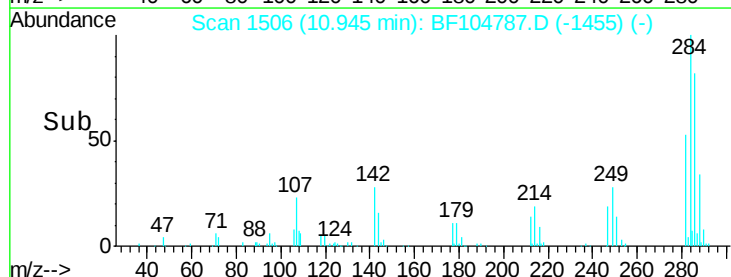
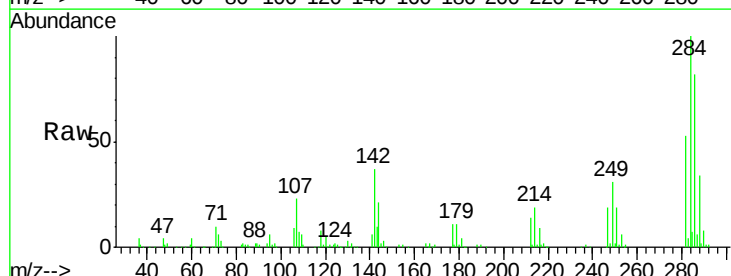
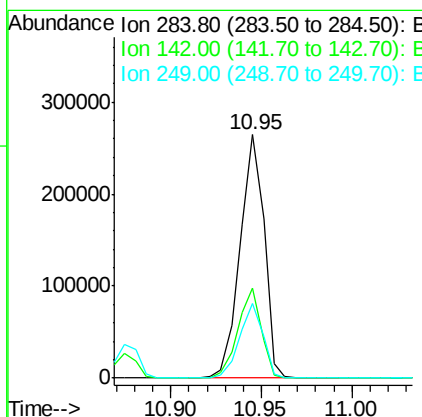
Manual Integrations  
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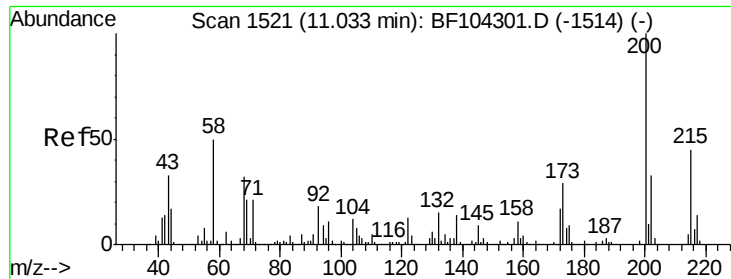
Sohil  
 4/26/2018 6:09:33 PM



#67  
 Hexachlorobenzene  
 Concen: 47.811 ng  
 RT: 10.95 min Scan# 1506  
 Delta R.T. 0.00 min  
 Lab File: BF104787.D  
 Acq: 25 Apr 2018 14:32

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 284   | Resp: | 244335 |
| Ion Ratio | Lower | Upper |        |
| 284       | 100   |       |        |
| 142       | 36.8  | 34.6  | 52.0   |
| 249       | 30.9  | 24.8  | 37.2   |





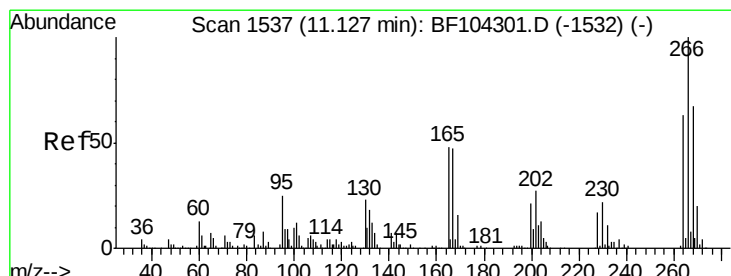
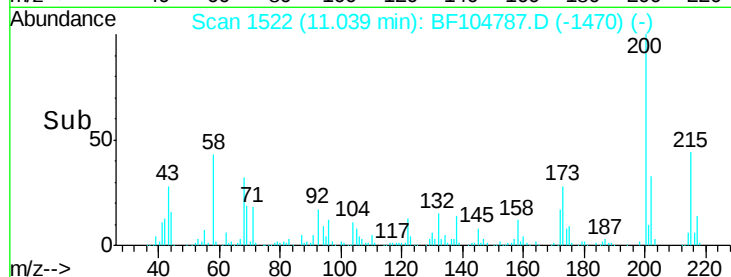
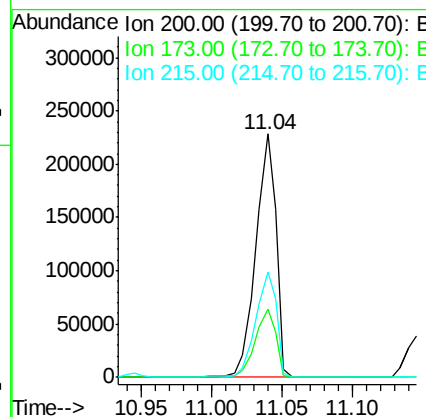
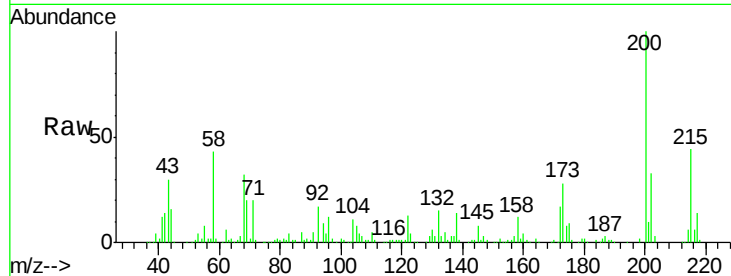
#68  
Atrazine  
Concen: 51.768 ng  
RT: 11.04 min Scan# 1522  
Delta R.T. 0.01 min  
Lab File: BF104787.D  
Acq: 25 Apr 2018 14:32

Instrument :  
BNA\_F  
ClientSampleId :  
HW-12-4-18-18MS

| Tot Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 200     | 100   |            |            |
| 173     | 27.9  | 8.6        | 48.6       |
| 215     | 43.5  | 25.1       | 65.1       |

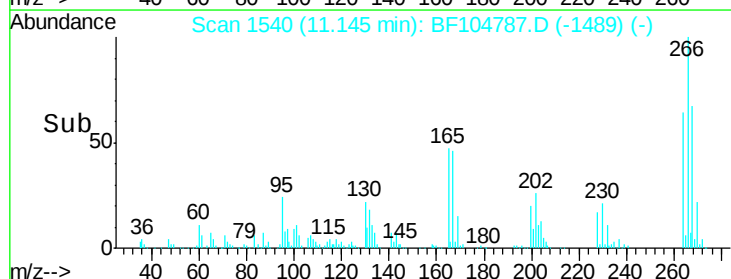
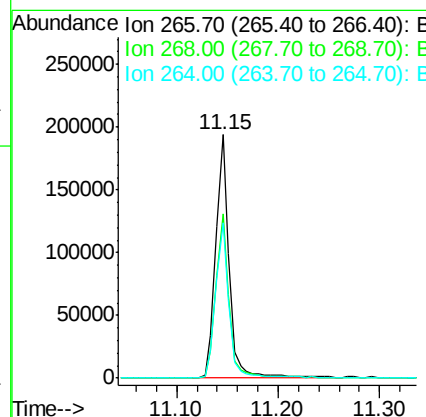
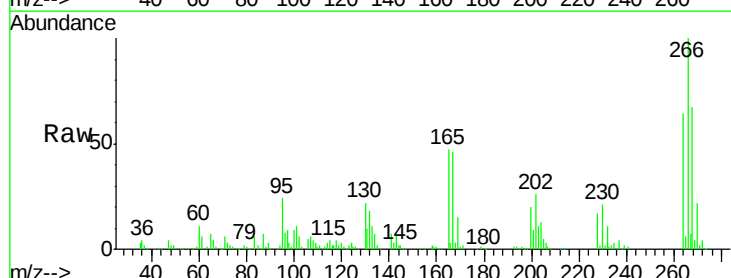
Manual Integrations  
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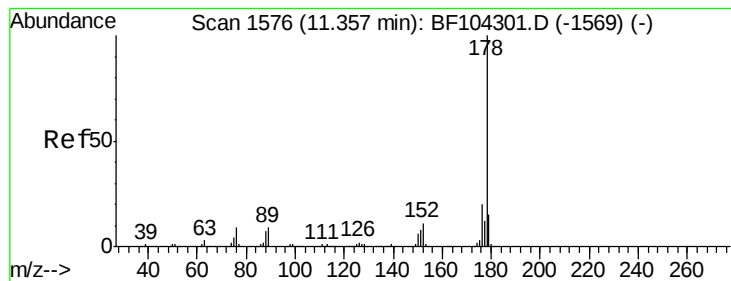
Sohil  
4/26/2018 6:09:33 PM



#69  
Pentachlorophenol  
Concen: 57.380 ng  
RT: 11.15 min Scan# 1540  
Delta R.T. 0.00 min  
Lab File: BF104787.D  
Acq: 25 Apr 2018 14:32

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 266     | 100   |            |            |
| 268     | 67.3  | 51.1       | 76.7       |
| 264     | 63.7  | 49.5       | 74.3       |





#70

Phenanthrene

Concen: 45.165 ng

RT: 11.36 min Scan# 1577

Delta R.T. 0.00 min

Lab File: BF104787.D

Acq: 25 Apr 2018 14:32

Instrument :

BNA\_F

ClientSampleId :

HW-12-4-18-18MS

Tot Ion:178 Resp: 1073955

Ion Ratio Lower Upper

178 100

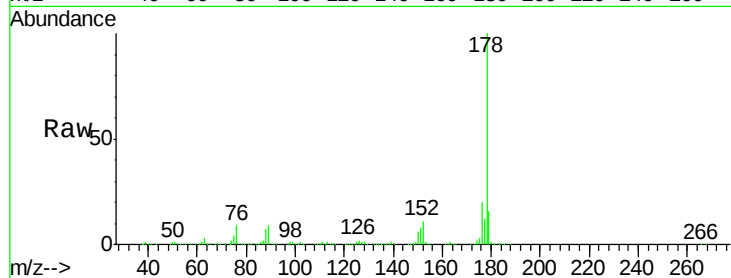
176 19.7 15.8 23.8

179 15.8 13.0 19.6

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Sohil

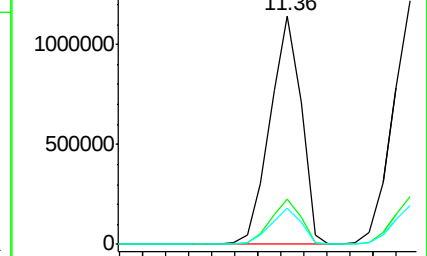
4/26/2018 6:09:33 PM



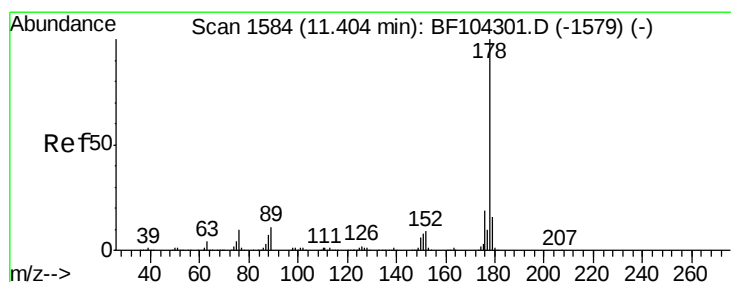
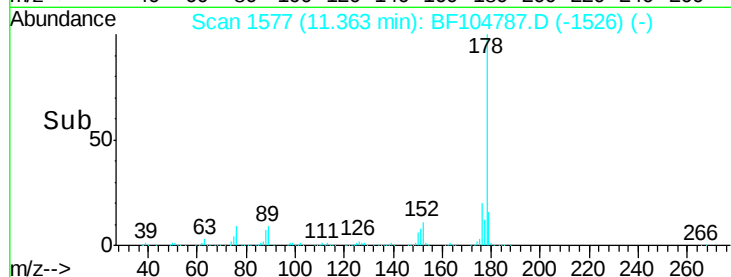
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#71

Anthracene

Concen: 45.472 ng

RT: 11.42 min Scan# 1586

Delta R.T. 0.00 min

Lab File: BF104787.D

Acq: 25 Apr 2018 14:32

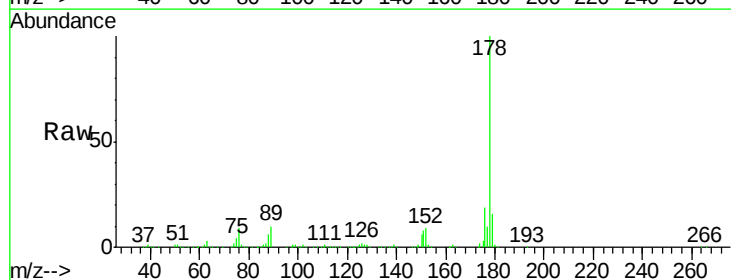
Tgt Ion:178 Resp: 1099120

Ion Ratio Lower Upper

178 100

176 19.4 15.4 23.2

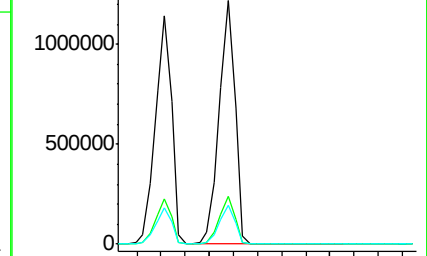
179 15.9 12.6 19.0



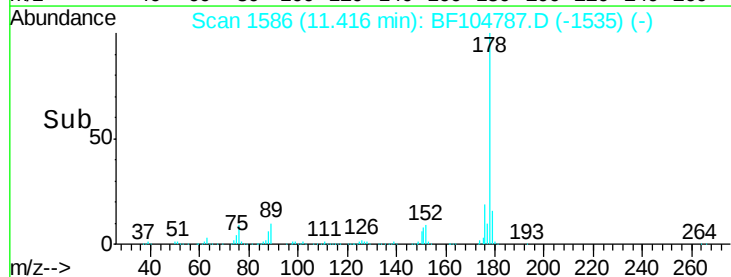
Abundance Ion 178.00 (177.70 to 178.70): E

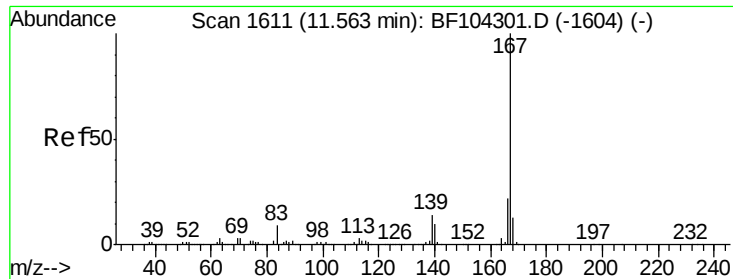
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





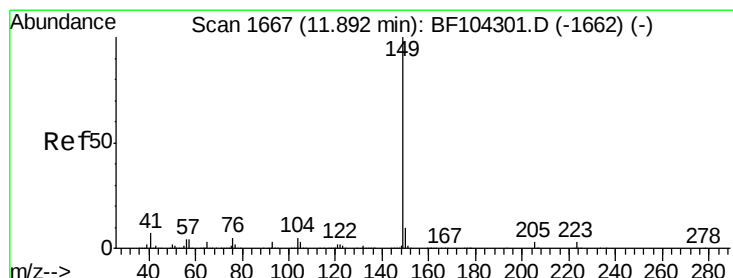
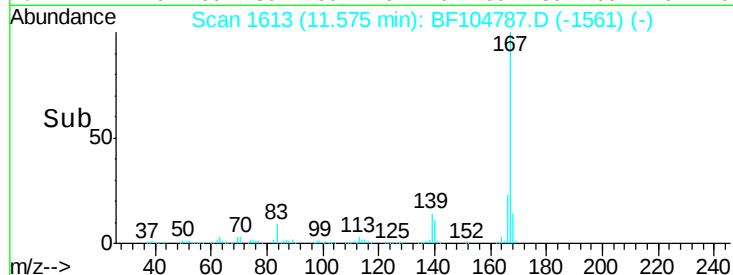
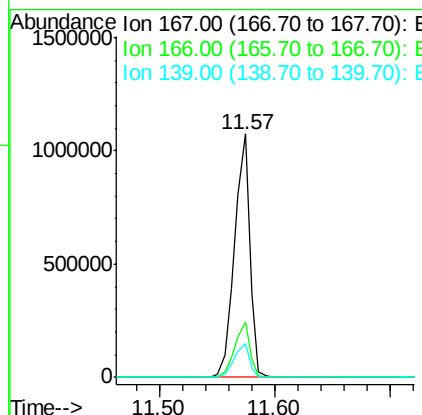
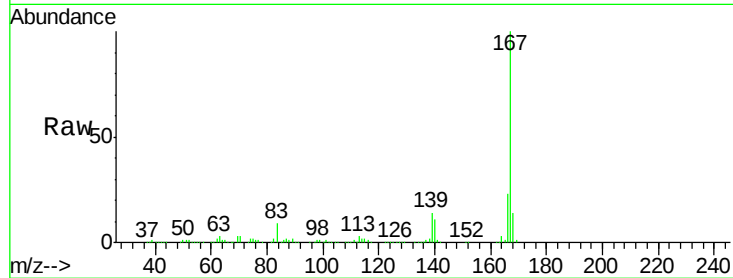
#72  
 Carbazole  
 Concen: 41.834 ng  
 RT: 11.57 min Scan# 1613  
 Delta R.T. 0.01 min  
 Lab File: BF104787.D  
 Acq: 25 Apr 2018 14:32

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HW-12-4-18-18MS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 167     | 100   |      |       |       |
| 166     | 22.8  | 17.6 | 26.4  |       |
| 139     | 13.9  | 10.9 | 16.3  |       |

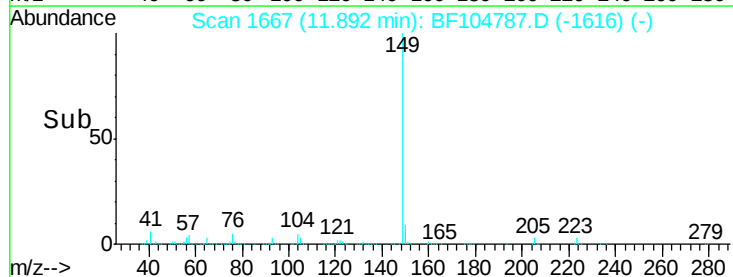
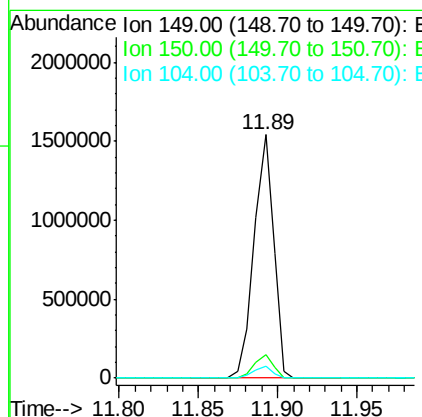
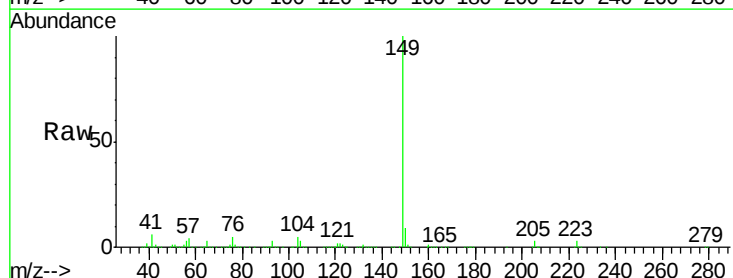
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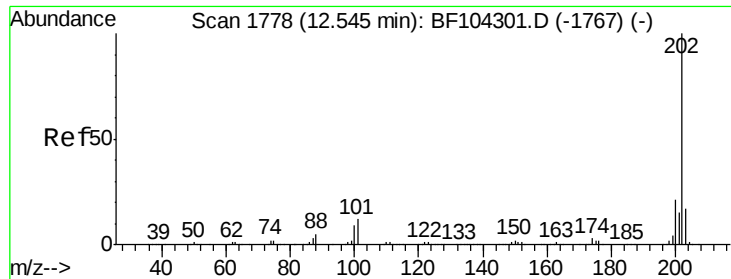
Sohil  
 4/26/2018 6:09:33 PM



#73  
 Di-n-butylphthalate  
 Concen: 45.972 ng  
 RT: 11.89 min Scan# 1667  
 Delta R.T. 0.00 min  
 Lab File: BF104787.D  
 Acq: 25 Apr 2018 14:32

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 149     | 100   |      |       |       |
| 150     | 9.4   | 7.8  | 11.6  |       |
| 104     | 5.1   | 3.8  | 5.8   |       |





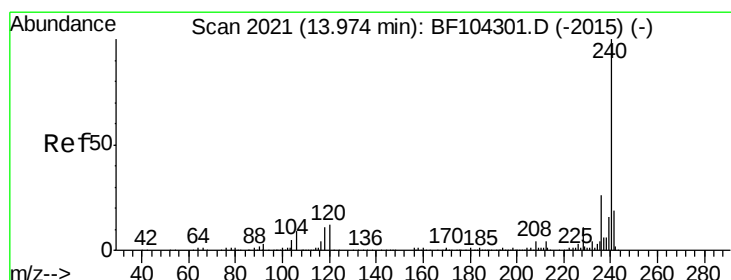
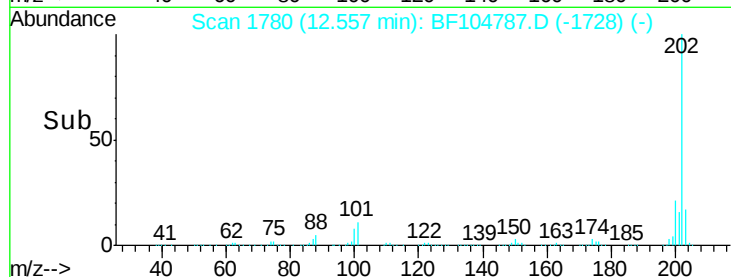
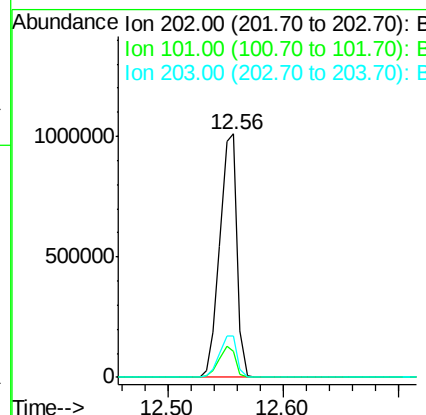
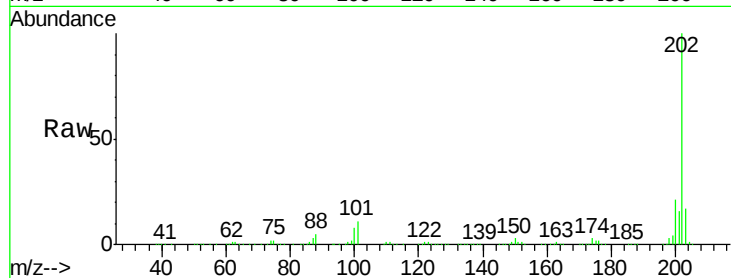
#74  
 Fluoranthene  
 Concen: 42.154 ng  
 RT: 12.56 min Scan# 1780  
 Delta R.T. 0.01 min  
 Lab File: BF104787.D  
 Acq: 25 Apr 2018 14:32

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HW-12-4-18-18MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 10.9  | 0.0   | 34.1  |
| 203     | 17.2  | 0.0   | 38.1  |

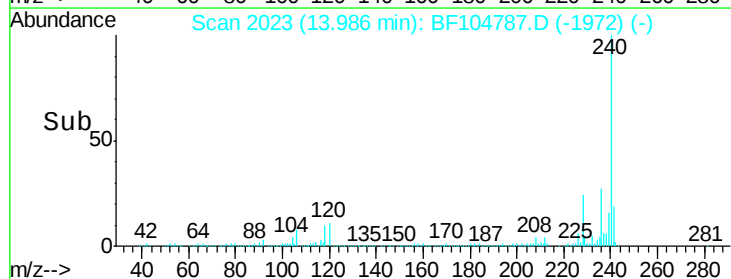
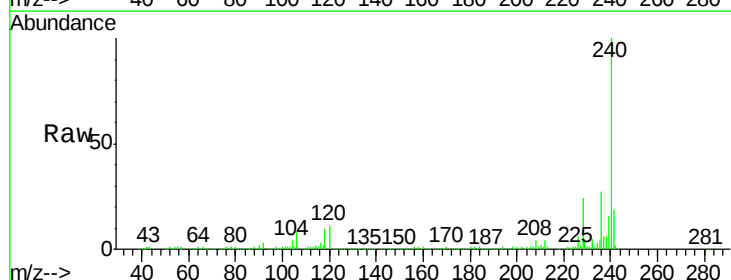
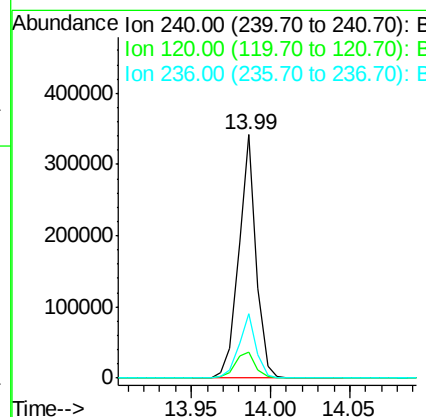
Manual Integrations  
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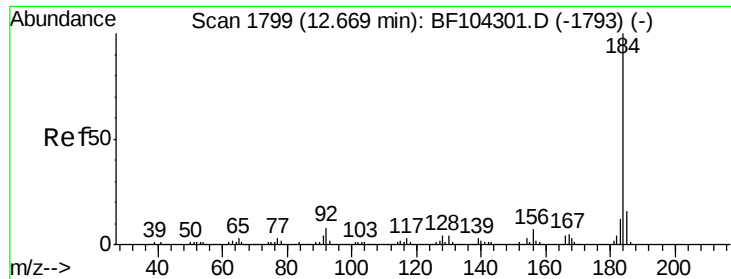
Sohil  
 4/26/2018 6:09:33 PM



#75  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 13.99 min Scan# 2023  
 Delta R.T. 0.00 min  
 Lab File: BF104787.D  
 Acq: 25 Apr 2018 14:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 10.9  | 9.5   | 14.3  |
| 236     | 26.6  | 20.7  | 31.1  |





#76

Benzidine

Concen: 23.833 ng

RT: 12.67 min Scan# 1800

Delta R.T. 0.00 min

Lab File: BF104787.D

Acq: 25 Apr 2018 14:32

Instrument :

BNA\_F

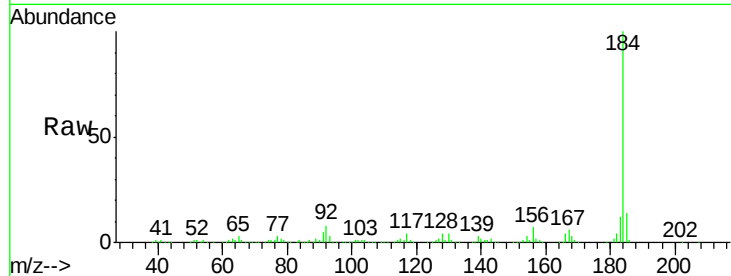
ClientSampleId :

HW-12-4-18-18MS

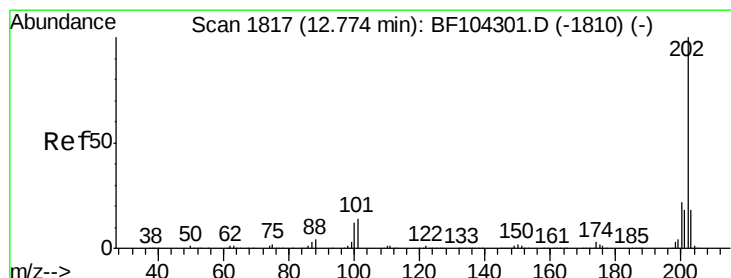
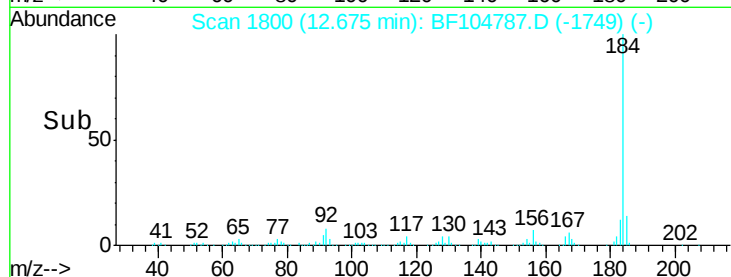
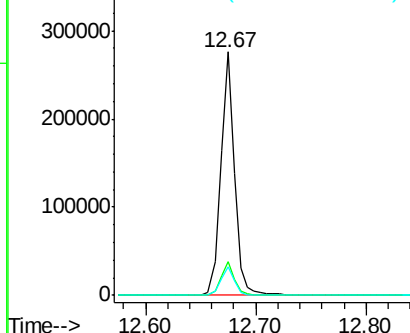
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 184   | Resp: | 239434 |
| Ion Ratio | Lower | Upper |        |
| 184       | 100   |       |        |
| 185       | 13.8  | 12.6  | 18.8   |
| 183       | 11.9  | 9.3   | 13.9   |

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



#77

Pyrene

Concen: 53.454 ng

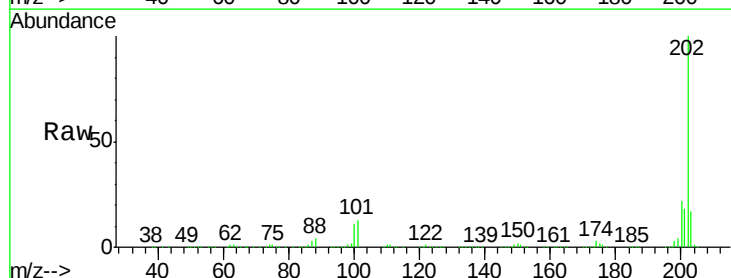
RT: 12.79 min Scan# 1819

Delta R.T. 0.01 min

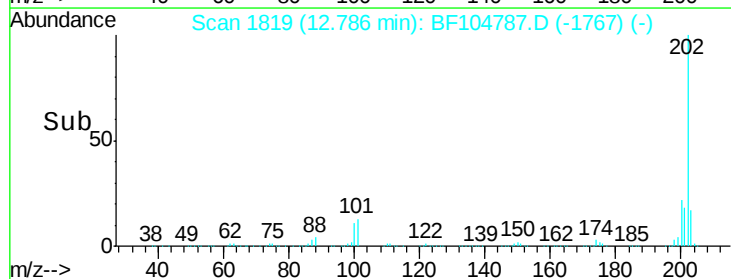
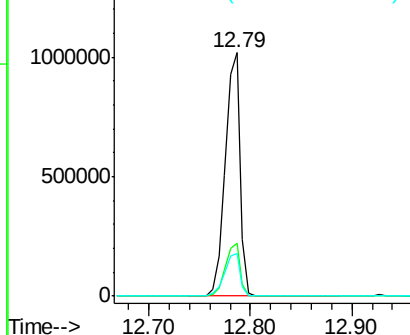
Lab File: BF104787.D

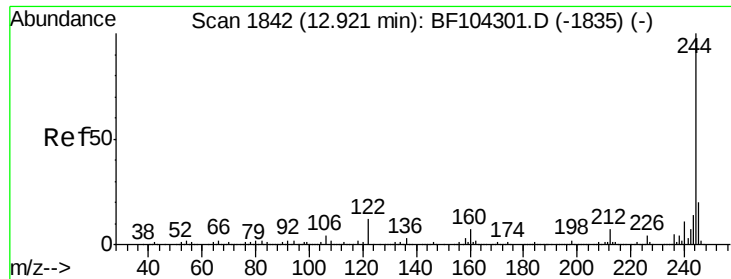
Acq: 25 Apr 2018 14:32

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 202   | Resp: | 1028626 |
| Ion Ratio | Lower | Upper |         |
| 202       | 100   |       |         |
| 200       | 21.6  | 17.4  | 26.2    |
| 203       | 17.4  | 14.3  | 21.5    |



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





#78

Terphenyl-d14

Concen: 121.893 ng

RT: 12.93 min Scan# 1843

Delta R.T. 0.01 min

Lab File: BF104787.D

Acq: 25 Apr 2018 14:32

Instrument :

BNA\_F

ClientSampleId :

HW-12-4-18-18MS

Tot Ion:244 Resp: 1388031

Ion Ratio Lower Upper

244 100

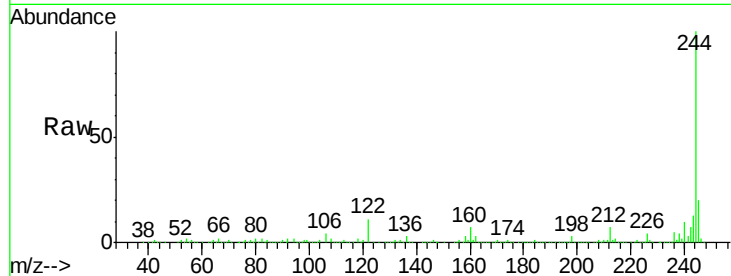
212 7.1 5.4 8.0

122 11.3 11.0 16.4

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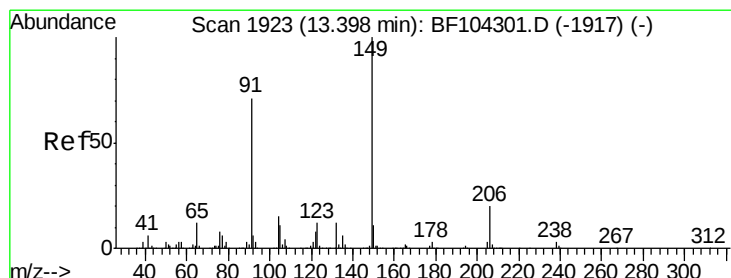
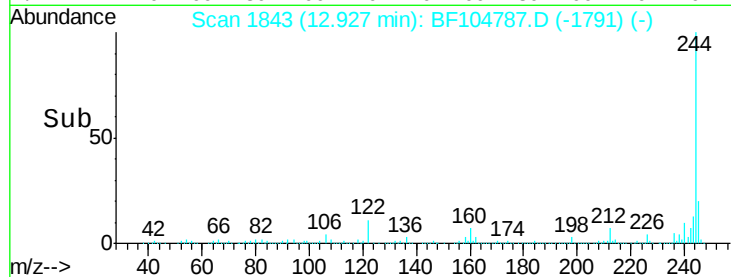
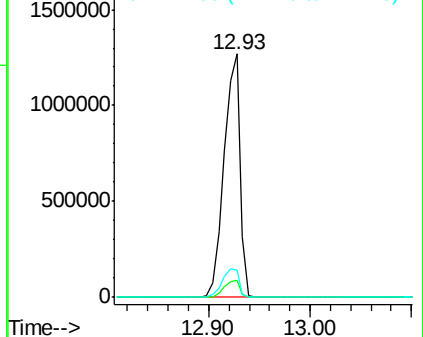
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#79

Butylbenzylphthalate

Concen: 58.291 ng

RT: 13.39 min Scan# 1922

Delta R.T. 0.00 min

Lab File: BF104787.D

Acq: 25 Apr 2018 14:32

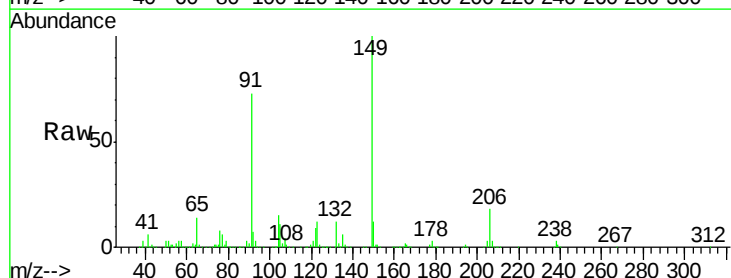
Tgt Ion:149 Resp: 528453

Ion Ratio Lower Upper

149 100

91 73.0 56.8 85.2

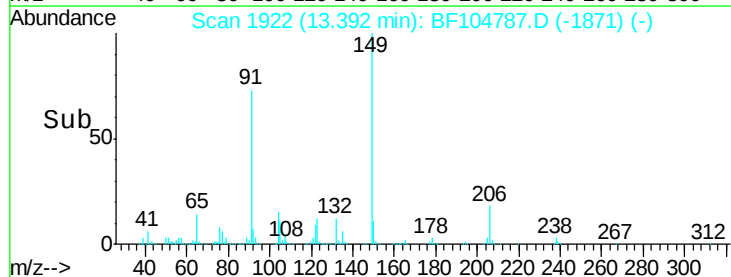
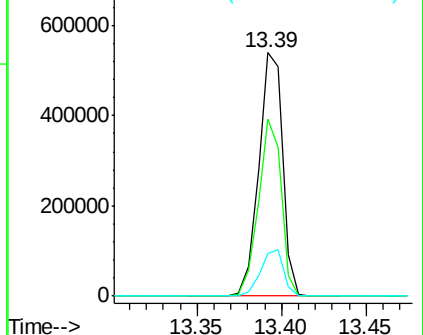
206 17.8 14.1 21.1

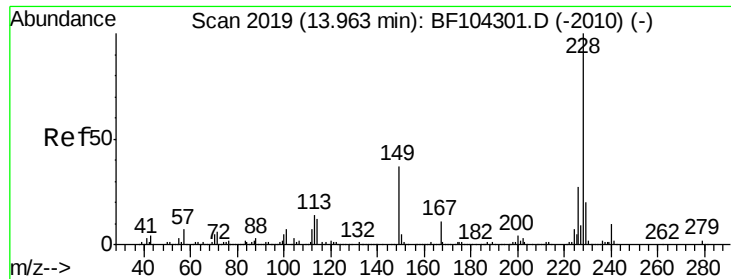


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





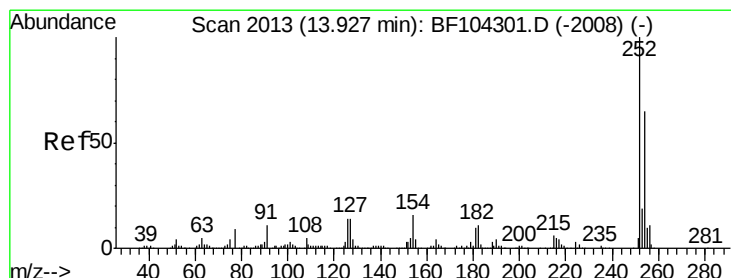
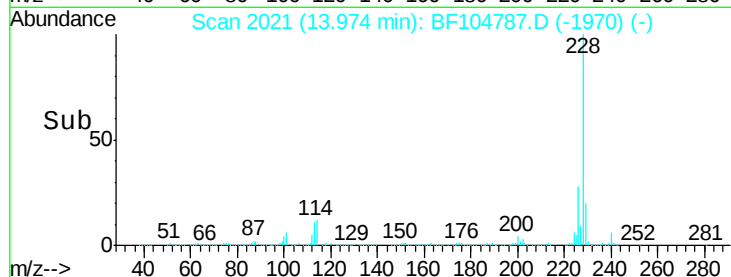
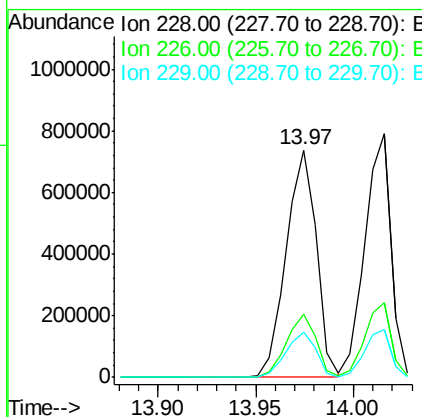
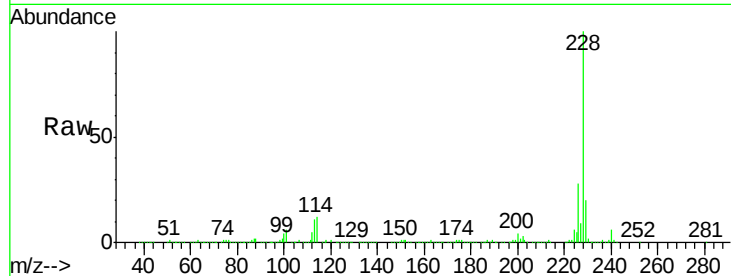
#80  
Benzo(a)anthracene  
Concen: 50.900 ng  
RT: 13.97 min Scan# 2021  
Delta R.T. 0.00 min  
Lab File: BF104787.D  
Acq: 25 Apr 2018 14:32

Instrument :  
BNA\_F  
ClientSampleId :  
HW-12-4-18-18MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 27.5  | 22.6  | 33.8  |
| 229     | 20.1  | 15.8  | 23.6  |

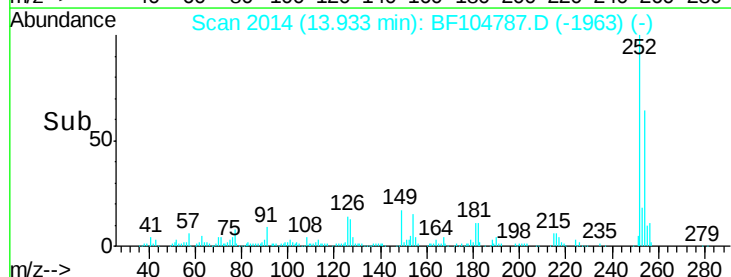
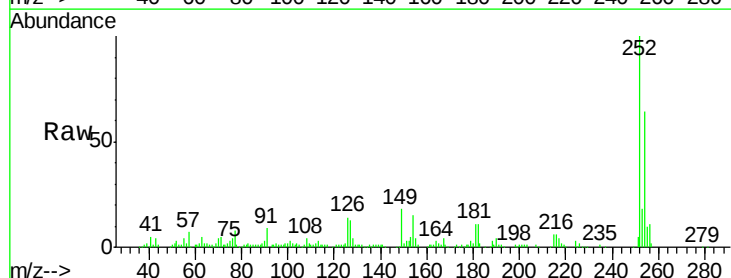
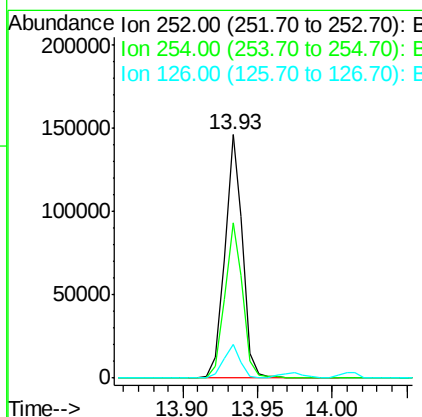
Manual Integrations  
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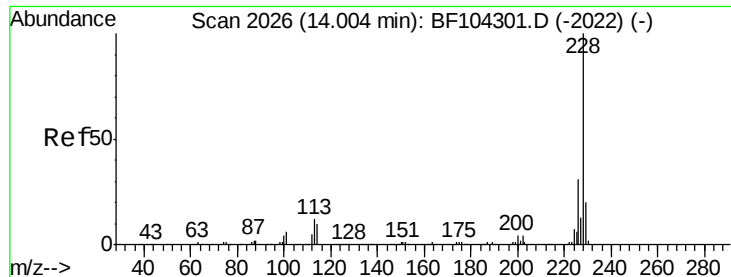
Sohil  
4/26/2018 6:09:33 PM



#81  
3,3'-Dichlorobenzidine  
Concen: 21.262 ng  
RT: 13.93 min Scan# 2014  
Delta R.T. 0.00 min  
Lab File: BF104787.D  
Acq: 25 Apr 2018 14:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 64.0  | 50.4  | 75.6  |
| 126     | 13.7  | 11.3  | 16.9  |





#82

Chrysene

Concen: 46.370 ng

RT: 14.02 min Scan# 2028

Delta R.T. 0.00 min

Lab File: BF104787.D

Acq: 25 Apr 2018 14:32

Instrument :

BNA\_F

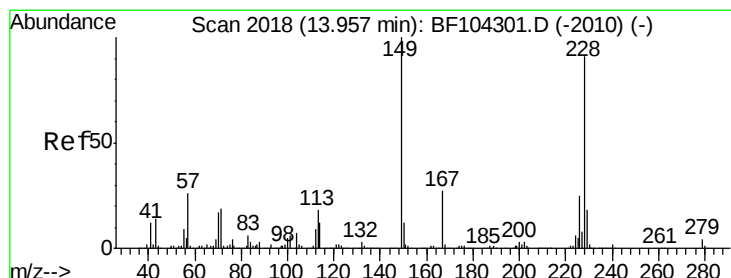
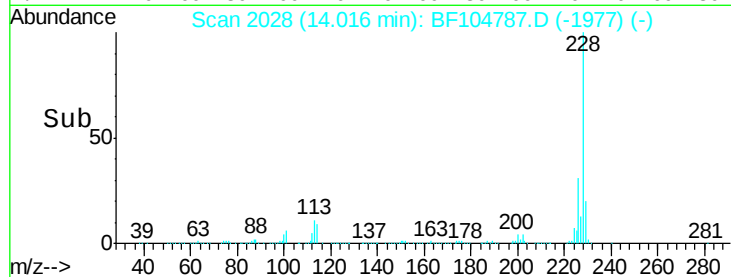
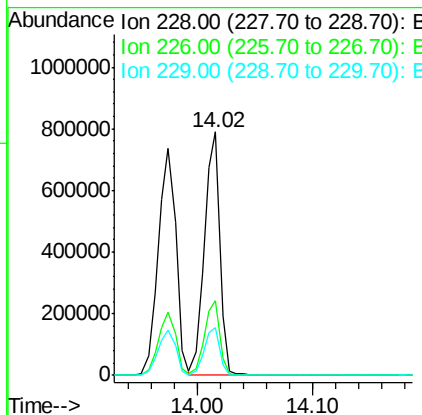
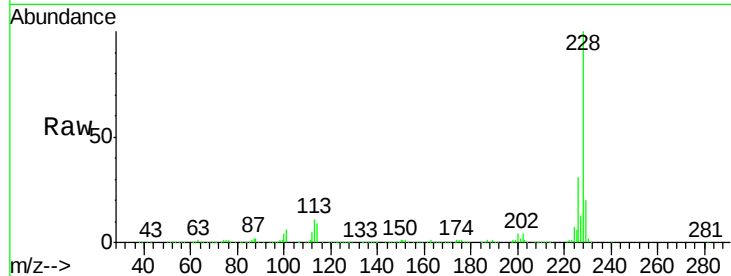
ClientSampleId :

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|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 228   | Resp: | 738700 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 226       | 30.8  | 25.0  | 37.6   |
| 229       | 19.9  | 16.2  | 24.4   |

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#83

Bis(2-ethylhexyl)phthalate

Concen: 62.864 ng

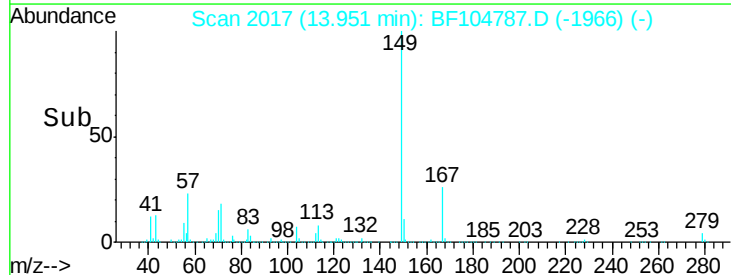
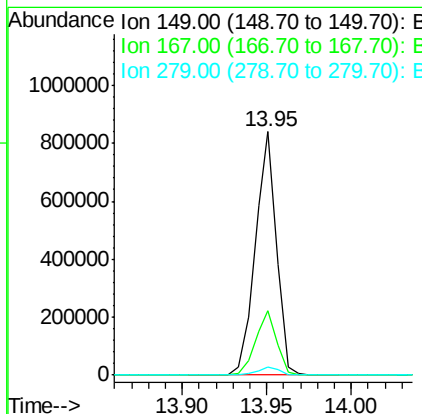
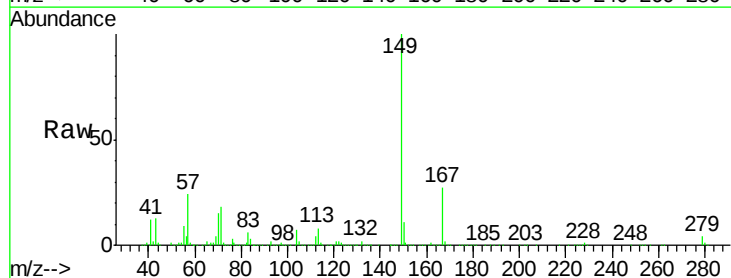
RT: 13.95 min Scan# 2017

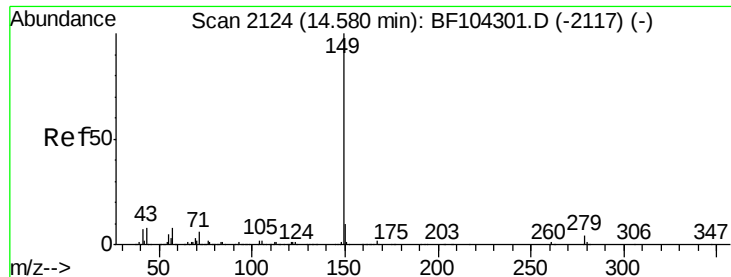
Delta R.T. 0.00 min

Lab File: BF104787.D

Acq: 25 Apr 2018 14:32

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 149   | Resp: | 733051 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 167       | 26.5  | 21.3  | 31.9   |
| 279       | 3.5   | 3.0   | 4.4    |





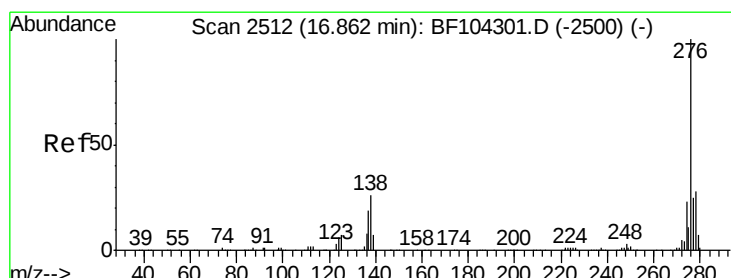
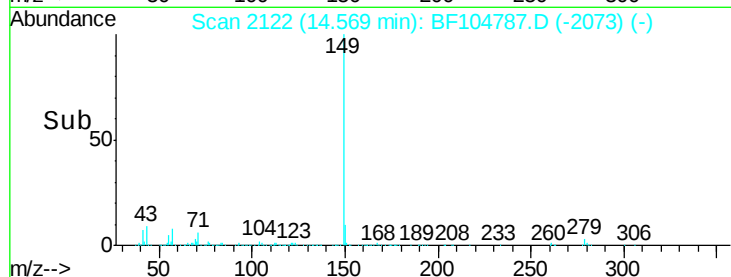
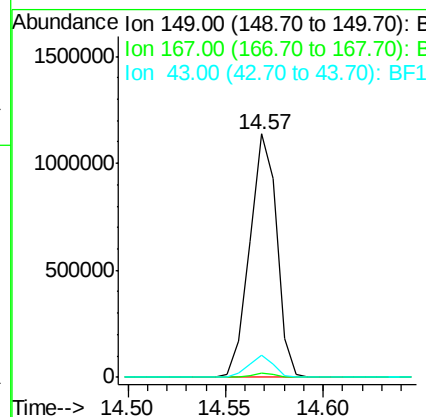
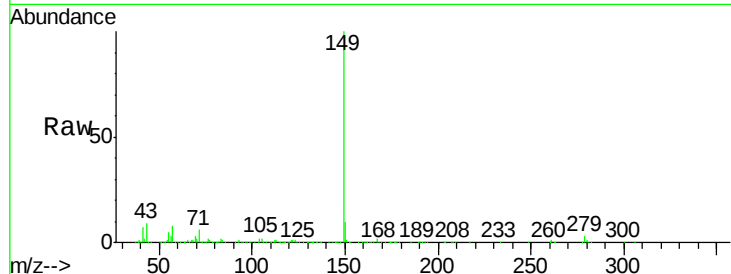
#84  
Di-n-octyl phthalate  
Concen: 55.954 ng  
RT: 14.57 min Scan# 2122  
Delta R.T. -0.01 min  
Lab File: BF104787.D  
Acq: 25 Apr 2018 14:32

Instrument :  
BNA\_F  
ClientSampleId :  
HW-12-4-18-18MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 1.6   | 1.2   | 1.8   |
| 43      | 8.2   | 8.4   | 12.6  |

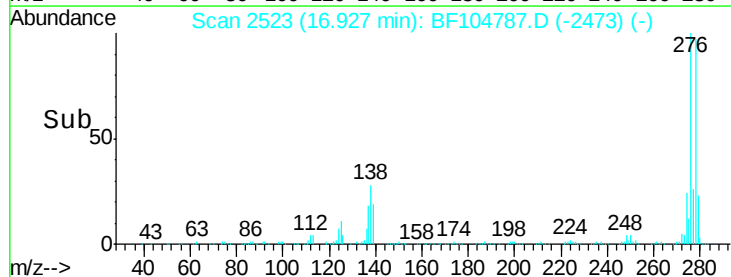
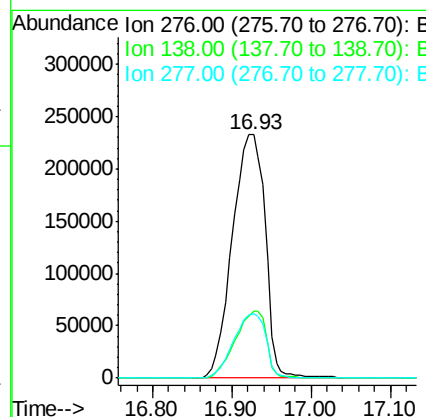
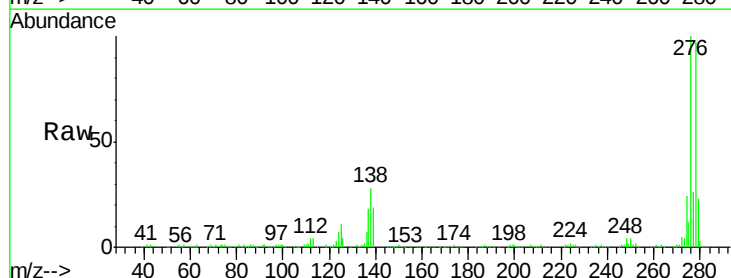
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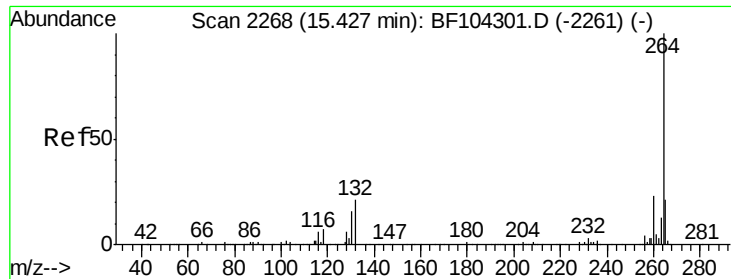
Sohil  
4/26/2018 6:09:33 PM



#85  
Indeno(1,2,3-cd)pyrene  
Concen: 49.341 ng  
RT: 16.93 min Scan# 2523  
Delta R.T. -0.01 min  
Lab File: BF104787.D  
Acq: 25 Apr 2018 14:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 26.4  | 25.0  | 37.6  |
| 277     | 26.1  | 20.1  | 30.1  |





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.45 min Scan# 2272

Delta R.T. -0.01 min

Lab File: BF104787.D

Acq: 25 Apr 2018 14:32

Instrument :

BNA\_F

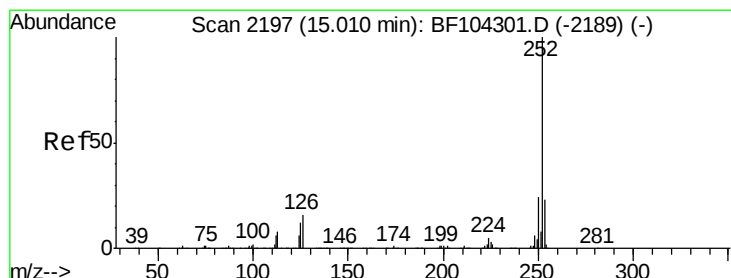
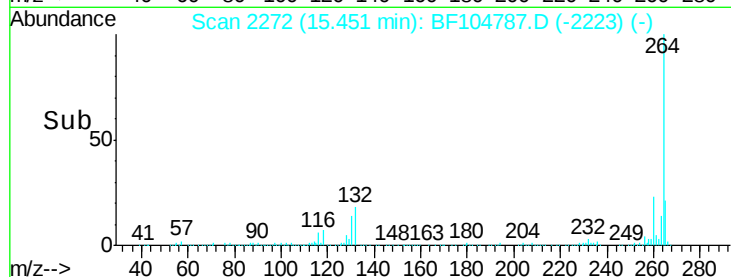
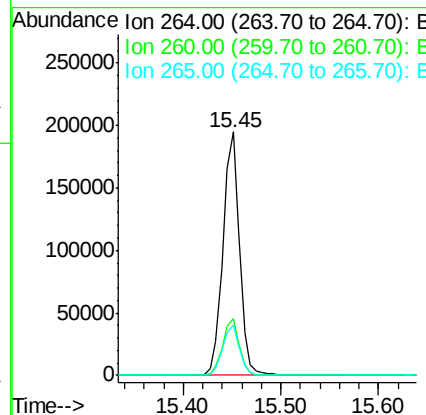
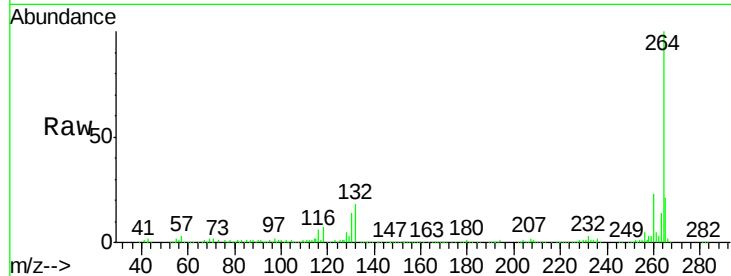
ClientSampleId :

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|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 264   | Resp: | 229331 |
| Ion Ratio | Lower | Upper |        |
| 264       | 100   |       |        |
| 260       | 23.1  | 19.2  | 28.8   |
| 265       | 20.9  | 17.5  | 26.3   |

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#87

Benzo(b)fluoranthene

Concen: 46.486 ng

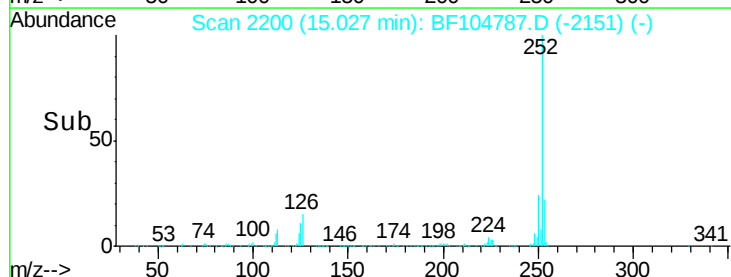
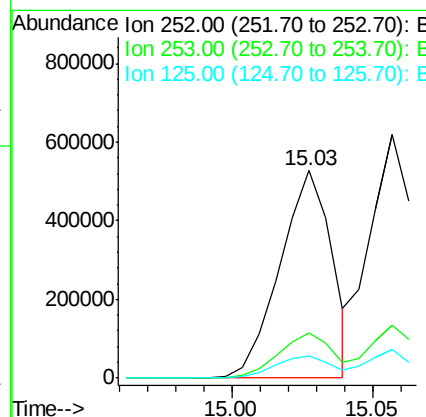
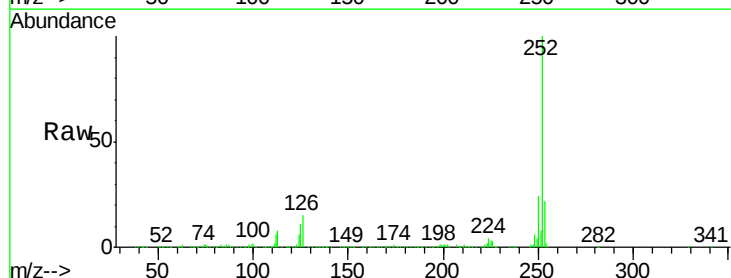
RT: 15.03 min Scan# 2200

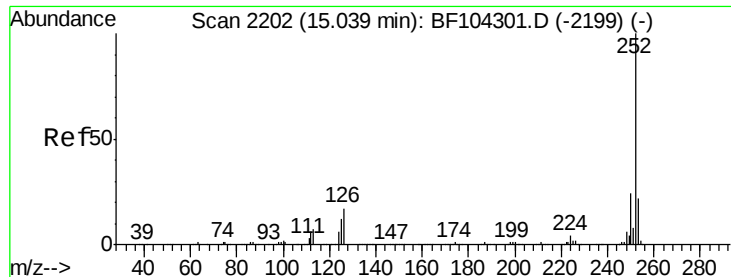
Delta R.T. -0.01 min

Lab File: BF104787.D

Acq: 25 Apr 2018 14:32

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 673309 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 21.8  | 17.0  | 25.6   |
| 125       | 10.6  | 9.0   | 13.6   |





#88

Benzo(k)fluoranthene

Concen: 47.536 ng

RT: 15.06 min Scan# 2205

Delta R.T. -0.01 min

Lab File: BF104787.D

Acq: 25 Apr 2018 14:32

Instrument :

BNA\_F

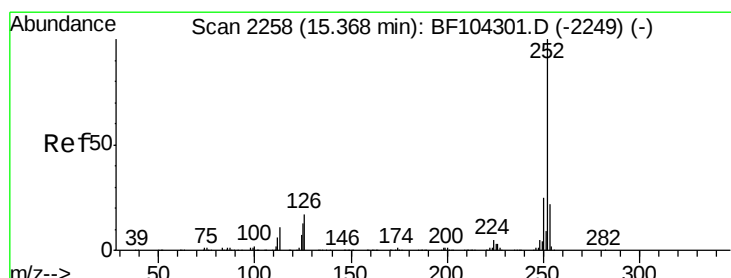
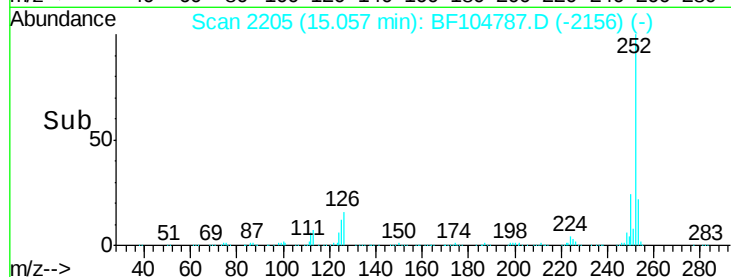
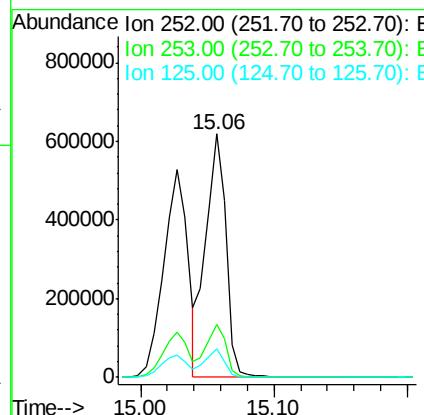
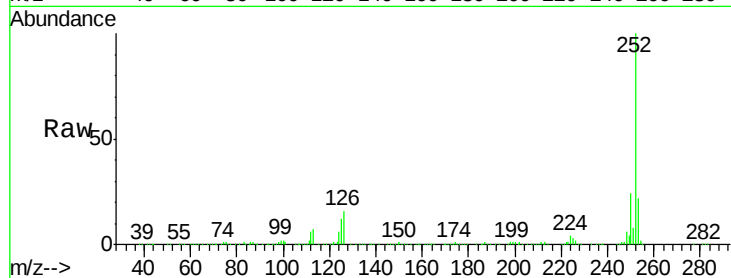
ClientSampleId :

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|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 252   | Resp: | 650028 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 21.7  | 17.9  | 26.9   |
| 125       | 11.9  | 10.2  | 15.2   |

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#89

Benzo(a)pyrene

Concen: 48.207 ng

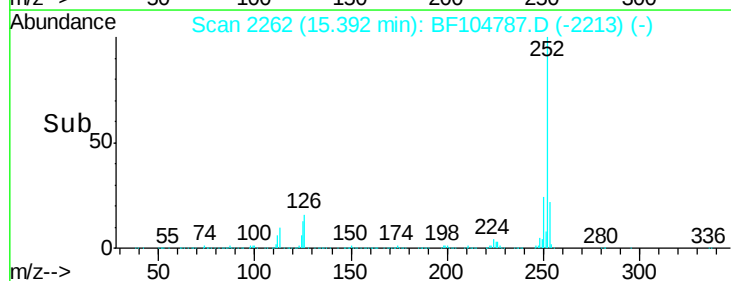
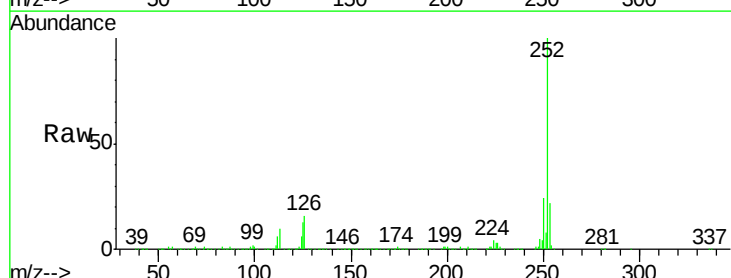
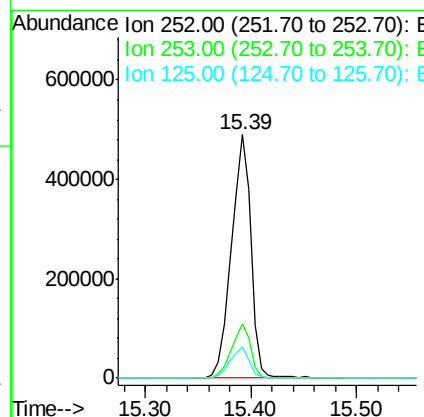
RT: 15.39 min Scan# 2262

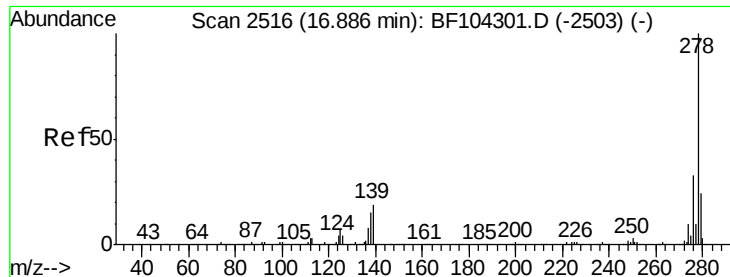
Delta R.T. -0.01 min

Lab File: BF104787.D

Acq: 25 Apr 2018 14:32

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 624744 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 22.3  | 17.1  | 25.7   |
| 125       | 12.6  | 9.8   | 14.6   |





#90

Dibenzo(a,h)anthracene

Concen: 52.833 ng

RT: 16.94 min Scan# 2525

Delta R.T. -0.01 min

Lab File: BF104787.D

Acq: 25 Apr 2018 14:32

Instrument :

BNA\_F

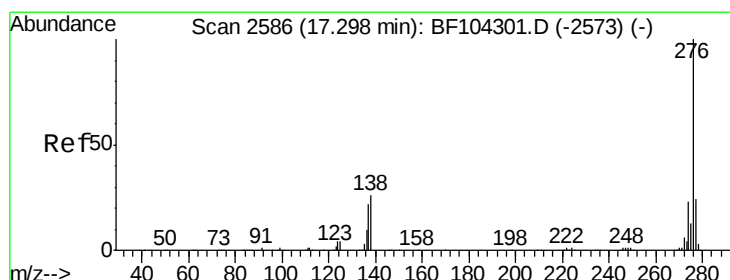
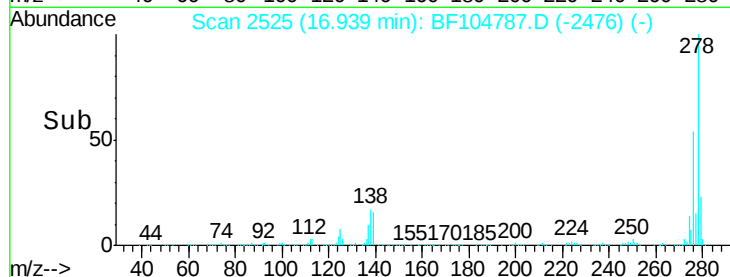
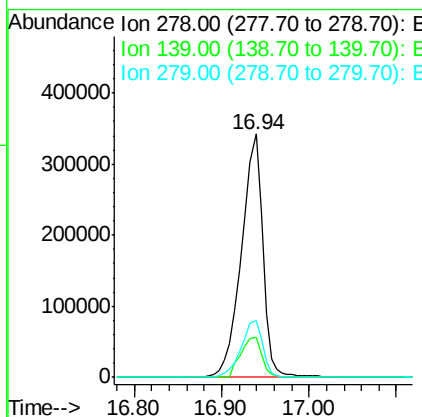
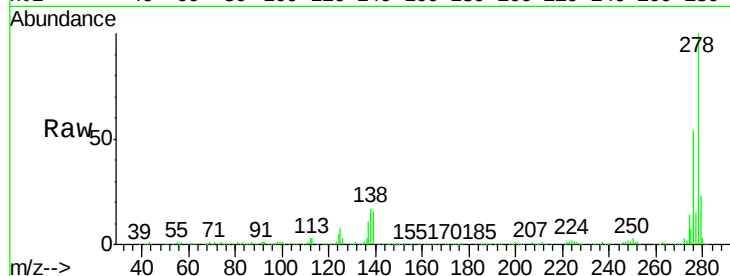
ClientSampleId :

HW-12-4-18-18MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 278   | Resp: | 562342 |
| Ion Ratio | Lower | Upper |        |
| 278       | 100   |       |        |
| 139       | 16.4  | 15.9  | 23.9   |
| 279       | 23.3  | 19.0  | 28.4   |

Manual Integrations  
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#91

Benzo(g,h,i)perylene

Concen: 53.332 ng

RT: 17.37 min Scan# 2598

Delta R.T. -0.01 min

Lab File: BF104787.D

Acq: 25 Apr 2018 14:32

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 276   | Resp: | 549967 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 277       | 23.5  | 17.9  | 26.9   |
| 138       | 21.9  | 21.8  | 32.8   |

