

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042618\  
 Data File : BF104876.D  
 Acq On : 27 Apr 2018 11:25  
 Operator : JU/SJ  
 Sample : PB108604BS  
 Misc :  
 ALS Vial : 45 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB108604BS

Manual Integrations  
 APPROVED

Sohil  
 4/27/2018 7:30:26 PM

Quant Time: Apr 27 14:18:05 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  | 109074   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.09  | 136  | 421637   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.84  | 164  | 171335   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.33 | 188  | 261347   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 13.98 | 240  | 205589   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.44 | 264  | 148332   | 20.00 | ng    | -0.02    |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.43  | 112 | 823750  | 115.48 | ng | 0.01 |
| 7) Phenol-d6             | 6.45  | 99  | 987559  | 112.68 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 7.37  | 82  | 603744  | 93.50  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.63 | 330 | 194635  | 109.51 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 9.16  | 172 | 1027589 | 94.75  | ng | 0.00 |
| 78) Terphenyl-d14        | 12.92 | 244 | 809582  | 89.78  | ng | 0.00 |

## Target Compounds

|                                |      |     |        |        |    | Qvalue |
|--------------------------------|------|-----|--------|--------|----|--------|
| 2) 1,4-Dioxane                 | 2.58 | 88  | 110222 | 33.161 | ng | # 87   |
| 3) Pyridine                    | 3.32 | 79  | 316586 | 33.877 | ng | # 85   |
| 4) n-Nitrosodimethylamine      | 3.28 | 42  | 123328 | 37.752 | ng | 79     |
| 6) Aniline                     | 6.46 | 93  | 200501 | 16.466 | ng | # 13   |
| 8) 2-Chlorophenol              | 6.59 | 128 | 307109 | 40.790 | ng | 96     |
| 9) Benzaldehyde                | 6.35 | 77  | 124708 | 24.744 | ng | 94     |
| 10) Phenol                     | 6.46 | 94  | 357274 | 38.418 | ng | 86     |
| 11) bis(2-Chloroethyl)ether    | 6.54 | 93  | 279609 | 37.677 | ng | 93     |
| 12) 1,3-Dichlorobenzene        | 6.74 | 146 | 321564 | 37.700 | ng | 98     |
| 13) 1,4-Dichlorobenzene        | 6.82 | 146 | 327840 | 38.558 | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 6.97 | 146 | 301944 | 38.321 | ng | 99     |
| 15) Benzyl Alcohol             | 6.95 | 79  | 243218 | 36.536 | ng | 96     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.07 | 45  | 326008 | 32.711 | ng | 77     |
| 17) 2-Methylphenol             | 7.06 | 107 | 246228 | 37.622 | ng | # 93   |
| 18) Hexachloroethane           | 7.30 | 117 | 92285  | 30.442 | ng | 96     |
| 19) n-Nitroso-di-n-propylamine | 7.22 | 70  | 190589 | 33.277 | ng | 92     |
| 20) 3+4-Methylphenols          | 7.22 | 107 | 305480 | 37.635 | ng | # 72   |
| 22) Acetophenone               | 7.21 | 105 | 408512 | 39.354 | ng | 99     |
| 24) Nitrobenzene               | 7.39 | 77  | 303935 | 42.633 | ng | 99     |
| 25) Isophorone                 | 7.62 | 82  | 537791 | 39.386 | ng | 99     |
| 26) 2-Nitrophenol              | 7.70 | 139 | 145596 | 50.166 | ng | 91     |
| 27) 2,4-Dimethylphenol         | 7.74 | 122 | 261624 | 43.415 | ng | 99     |
| 28) bis(2-Chloroethoxy)methane | 7.83 | 93  | 352738 | 42.252 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 7.95 | 162 | 241029 | 41.919 | ng | 98     |
| 30) 1,2,4-Trichlorobenzene     | 8.03 | 180 | 249848 | 39.594 | ng | 98     |
| 31) Naphthalene                | 8.10 | 128 | 833684 | 39.708 | ng | 100    |
| 32) Benzoic acid               | 7.86 | 122 | 107851 | 22.431 | ng | 99     |
| 33) 4-Chloroaniline            | 8.16 | 127 | 93419  | 10.386 | ng | 97     |
| 34) Hexachlorobutadiene        | 8.22 | 225 | 137654 | 39.826 | ng | 99     |
| 35) Caprolactam                | 8.53 | 113 | 75217m | 37.499 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 8.65 | 107 | 244882 | 39.719 | ng | 97     |
| 37) 2-Methylnaphthalene        | 8.80 | 142 | 532576 | 39.216 | ng | 98     |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.96 | 216 | 224127 | 45.697 | ng | 98     |
| 40) Hexachlorocyclopentadiene  | 8.94 | 237 | 13002  | 4.735  | ng | 91     |

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Manual Integrations  
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 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.08  | 196  | 145308   | 42.679 | nq    | 99       |
| 43) 2,4,5-Trichlorophenol      | 9.13  | 196  | 154962   | 40.673 | nq    | 95       |
| 45) 1,1'-Biphenyl              | 9.26  | 154  | 610748   | 42.433 | nq    | 98       |
| 46) 2-Chloronaphthalene        | 9.29  | 162  | 471911   | 41.509 | nq    | 99       |
| 47) 2-Nitroaniline             | 9.39  | 65   | 139568   | 49.641 | nq    | 89       |
| 48) Acenaphthylene             | 9.70  | 152  | 680013   | 38.123 | nq    | 99       |
| 49) Dimethylphthalate          | 9.56  | 163  | 568739   | 42.094 | nq    | 99       |
| 50) 2,6-Dinitrotoluene         | 9.63  | 165  | 116173   | 46.468 | nq    | # 85     |
| 51) Acenaphthene               | 9.87  | 154  | 397040   | 36.482 | nq    | 99       |
| 52) 3-Nitroaniline             | 9.80  | 138  | 76695    | 26.204 | nq    | 93       |
| 53) 2,4-Dinitrophenol          | 9.92  | 184  | 10862    | 19.445 | nq    | # 24     |
| 54) Dibenzofuran               | 10.05 | 168  | 583812   | 38.492 | nq    | 97       |
| 55) 4-Nitrophenol              | 9.97  | 139  | 153237   | 66.650 | nq    | 99       |
| 56) 2,4-Dinitrotoluene         | 10.04 | 165  | 134255   | 40.939 | nq    | 98       |
| 57) Fluorene                   | 10.39 | 166  | 444555   | 40.269 | nq    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.17 | 232  | 105259   | 37.032 | nq    | 95       |
| 59) Diethylphthalate           | 10.26 | 149  | 523672   | 38.917 | nq    | 99       |
| 60) 4-Chlorophenyl-phenylether | 10.38 | 204  | 213231   | 43.371 | nq    | 97       |
| 61) 4-Nitroaniline             | 10.42 | 138  | 100273   | 35.039 | nq    | 95       |
| 62) Azobenzene                 | 10.54 | 77   | 443028   | 34.461 | nq    | 96       |
| 64) 4,6-Dinitro-2-methylphenol | 10.45 | 198  | 12283    | 15.520 | nq    | # 70     |
| 65) n-Nitrosodiphenylamine     | 10.50 | 169  | 398742   | 44.004 | nq    | 100      |
| 66) 4-Bromophenyl-phenylether  | 10.87 | 248  | 122659   | 44.124 | nq    | 96       |
| 67) Hexachlorobenzene          | 10.94 | 284  | 128463   | 41.069 | nq    | # 91     |
| 68) Atrazine                   | 11.03 | 200  | 122575   | 44.814 | nq    | 99       |
| 69) Pentachlorophenol          | 11.14 | 266  | 105352   | 54.442 | nq    | 98       |
| 70) Phenanthrene               | 11.36 | 178  | 583976   | 40.124 | nq    | 99       |
| 71) Anthracene                 | 11.41 | 178  | 596852   | 40.343 | nq    | 99       |
| 72) Carbazole                  | 11.57 | 167  | 550807   | 38.100 | nq    | 99       |
| 73) Di-n-butylphthalate        | 11.89 | 149  | 692959   | 39.239 | nq    | 99       |
| 74) Fluoranthene               | 12.55 | 202  | 591229   | 38.880 | nq    | 100      |
| 76) Benzidine                  | 12.67 | 184  | 424006   | 78.500 | nq    | 97       |
| 77) Pyrene                     | 12.78 | 202  | 616557   | 40.459 | nq    | 99       |
| 79) Butylbenzylphthalate       | 13.39 | 149  | 288922   | 40.244 | nq    | 99       |
| 80) Benzo(a)anthracene         | 13.97 | 228  | 534075   | 43.484 | nq    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 13.93 | 252  | 193061   | 42.158 | nq    | 96       |
| 82) Chrysene                   | 14.01 | 228  | 511445   | 40.541 | nq    | 98       |
| 83) Bis(2-ethylhexyl)phthalate | 13.94 | 149  | 387229   | 41.933 | nq    | 99       |
| 84) Di-n-octyl phthalate       | 14.56 | 149  | 672339   | 43.574 | nq    | # 94     |
| 85) Indeno(1,2,3-cd)pyrene     | 16.91 | 276  | 355915   | 33.211 | nq    | 96       |
| 87) Benzo(b)fluoranthene       | 15.02 | 252  | 403869   | 43.110 | nq    | 100      |
| 88) Benzo(k)fluoranthene       | 15.05 | 252  | 396523   | 44.832 | nq    | 96       |
| 89) Benzo(a)pyrene             | 15.39 | 252  | 356250   | 42.500 | nq    | 99       |
| 90) Dibenzo(a,h)anthracene     | 16.92 | 278  | 300898   | 43.707 | nq    | 98       |
| 91) Benzo(g,h,i)perylene       | 17.35 | 276  | 299267   | 44.868 | nq    | 94       |

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





#1

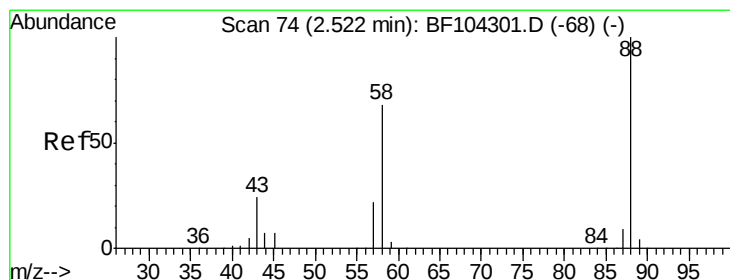
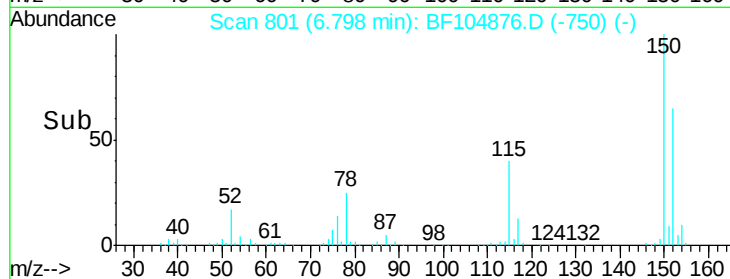
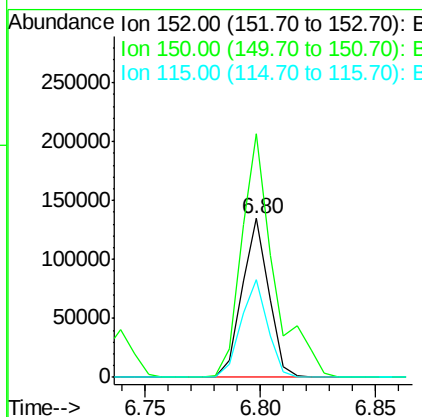
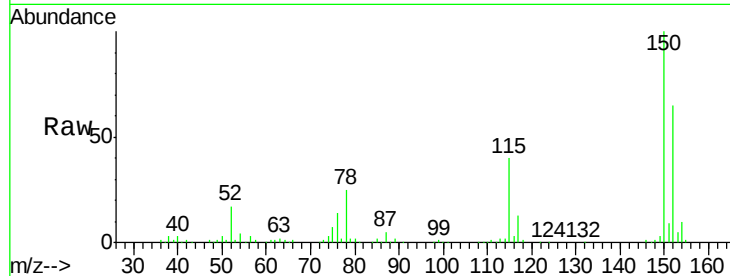
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.80 min Scan# 801  
Delta R.T. -0.00 min  
Lab File: BF104876.D  
Acq: 27 Apr 2018 11:25

Instrument :  
BNA\_F  
ClientSampleId :  
PB108604BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 153.3 | 124.6 | 186.8 |
| 115     | 61.2  | 50.1  | 75.1  |

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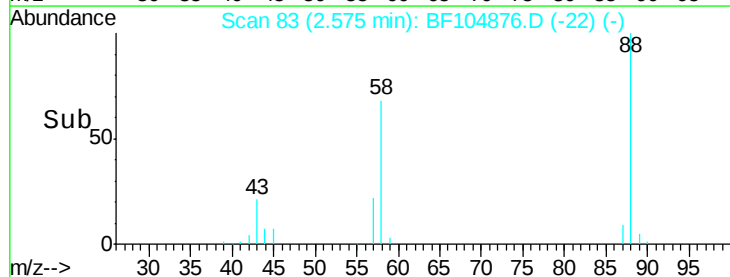
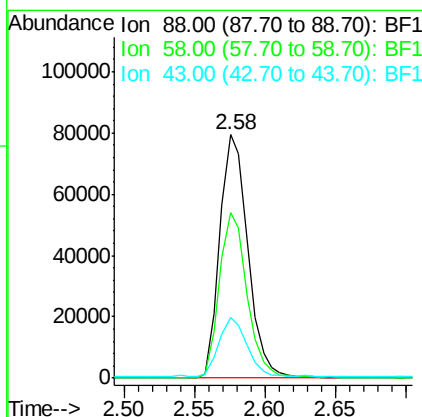
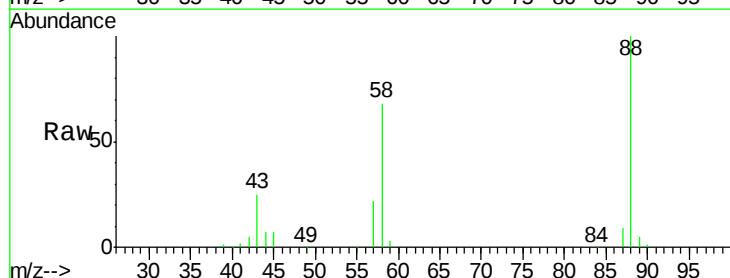
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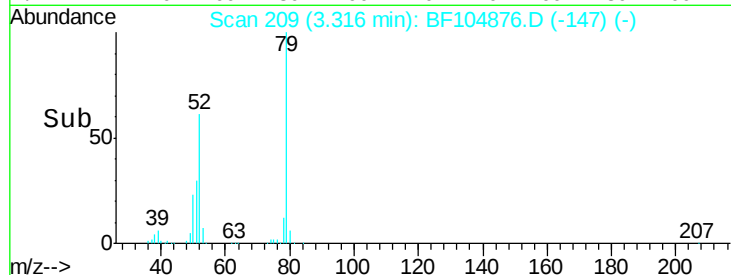
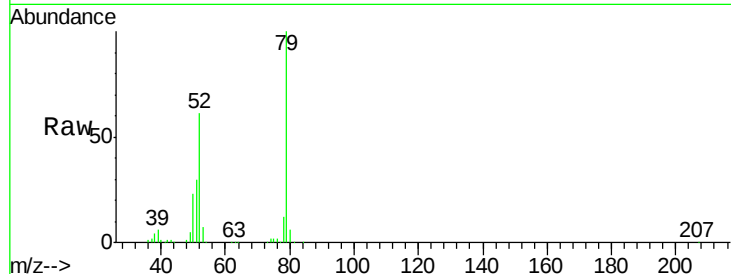
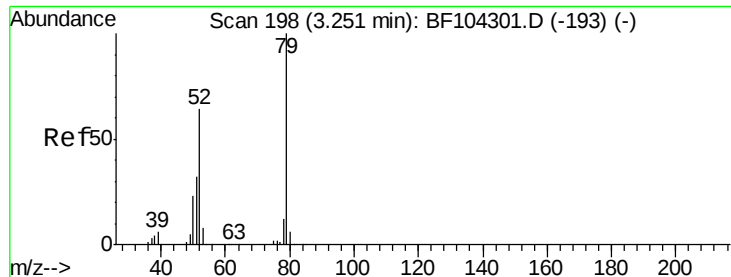


#2

1,4-Dioxane  
Concen: 33.161 ng  
RT: 2.58 min Scan# 83  
Delta R.T. 0.06 min  
Lab File: BF104876.D  
Acq: 27 Apr 2018 11:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 67.0  | 62.6  | 93.8  |
| 43      | 24.3  | 24.6  | 37.0  |





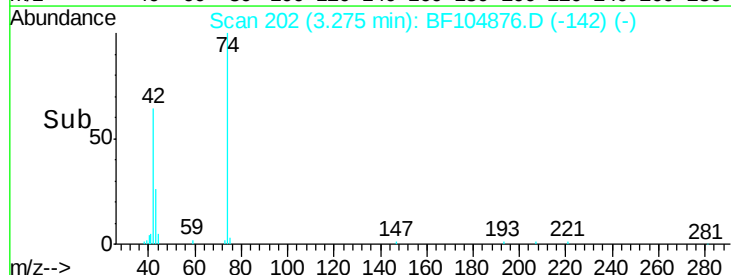
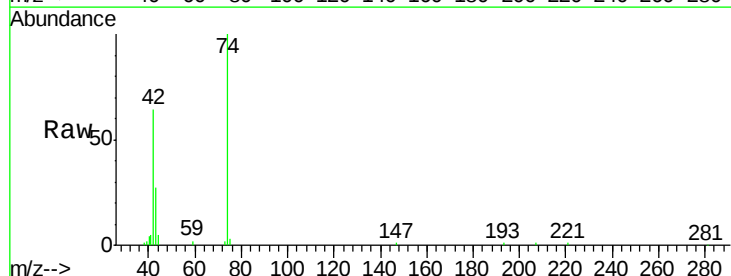
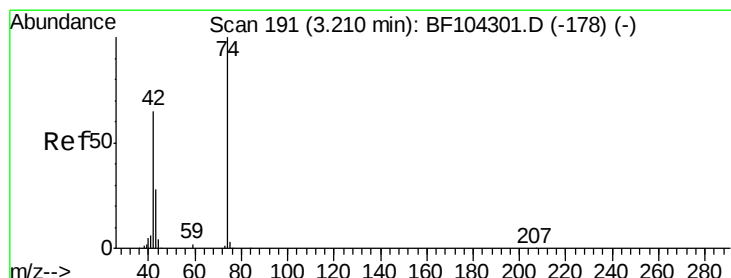
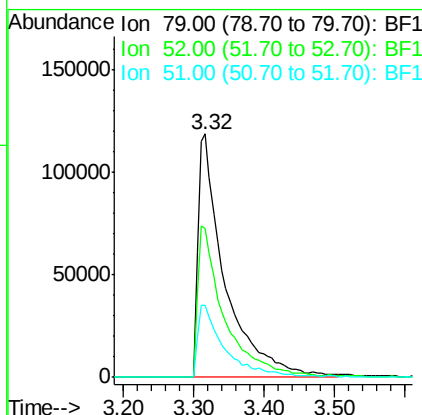
#3  
 Pvridine  
 Concen: 33.877 ng  
 RT: 3.32 min Scan# 209  
 Delta R.T. 0.06 min  
 Lab File: BF104876.D  
 Acq: 27 Apr 2018 11:25

| Tot Ion | Ion | Ratio | Resp   | Lower | Upper |
|---------|-----|-------|--------|-------|-------|
| 79      | 79  | 100   | 316586 |       |       |
| 52      | 52  | 61.2  |        | 59.8  | 89.6  |
| 51      | 51  | 29.7  |        | 29.8  | 44.8# |

Instrument :  
 BNA\_F  
 ClientSampleId :  
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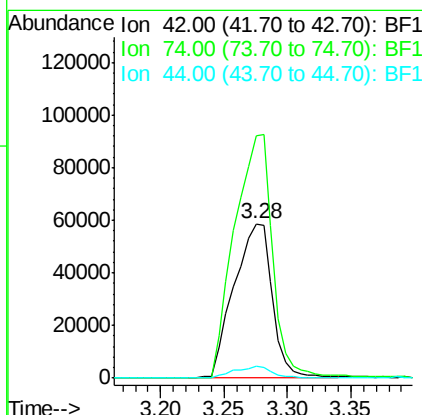
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#4  
 n-Nitrosodimethylamine  
 Concen: 37.752 ng  
 RT: 3.28 min Scan# 202  
 Delta R.T. 0.05 min  
 Lab File: BF104876.D  
 Acq: 27 Apr 2018 11:25

| Tgt Ion | Ion | Ratio | Resp   | Lower | Upper |
|---------|-----|-------|--------|-------|-------|
| 42      | 42  | 100   | 123328 |       |       |
| 74      | 74  | 157.2 |        | 104.9 | 157.3 |
| 44      | 44  | 7.5   |        | 6.9   | 10.3  |





#5

2-Fluorophenol

Concen: 115.478 ng

RT: 5.43 min Scan# 568

Delta R.T. 0.01 min

Lab File: BF104876.D

Acq: 27 Apr 2018 11:25

Instrument :

BNA\_F

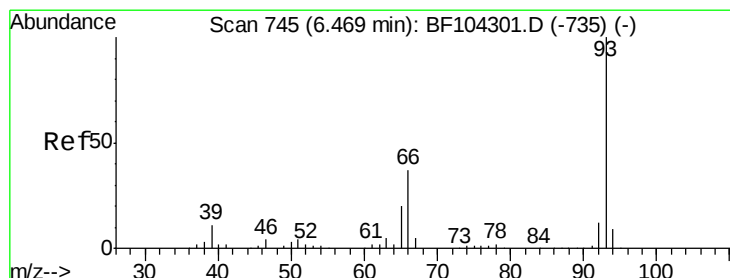
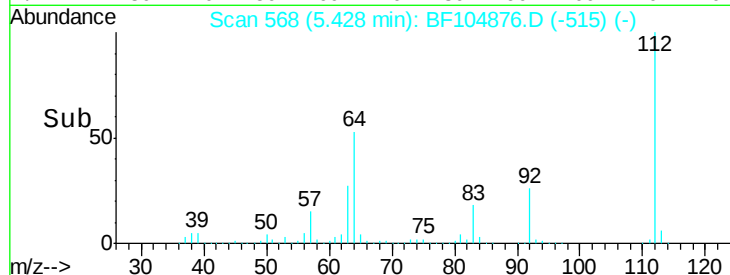
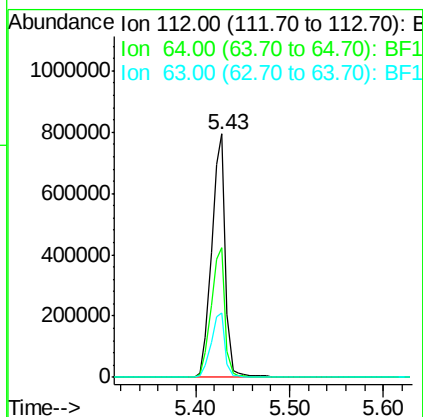
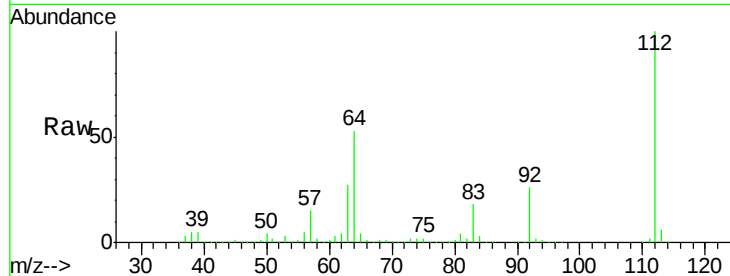
ClientSampleId :

PB108604BS

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 112  | Resp: | 823750 |
| Ion Ratio |      | Lower | Upper  |
| 112       | 100  |       |        |
| 64        | 53.5 | 47.9  | 71.9   |
| 63        | 26.7 | 23.7  | 35.5   |

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#6

Aniline

Concen: 16.466 ng

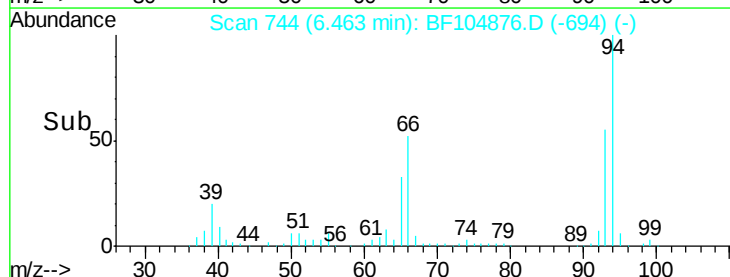
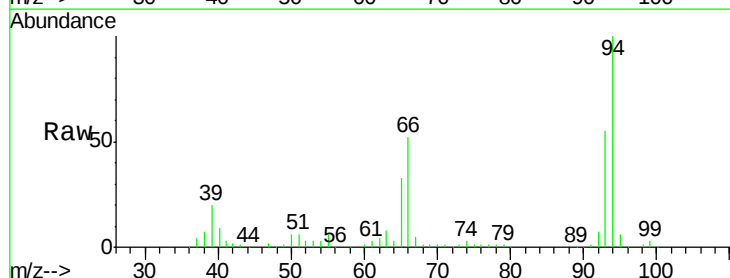
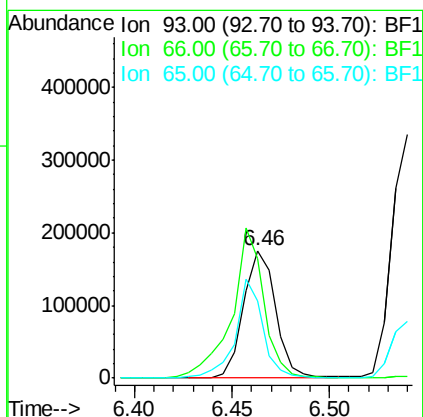
RT: 6.46 min Scan# 744

Delta R.T. -0.01 min

Lab File: BF104876.D

Acq: 27 Apr 2018 11:25

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 93   | Resp: | 200501 |
| Ion Ratio |      | Lower | Upper  |
| 93        | 100  |       |        |
| 66        | 94.2 | 32.2  | 48.2#  |
| 65        | 60.9 | 16.4  | 24.6#  |





#7

Phenol-d6

Concen: 112.675 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF104876.D

Acq: 27 Apr 2018 11:25

Instrument :

BNA\_F

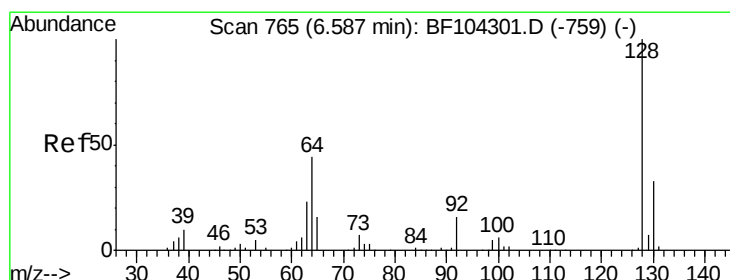
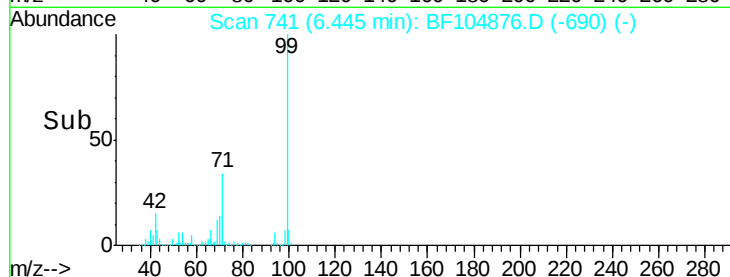
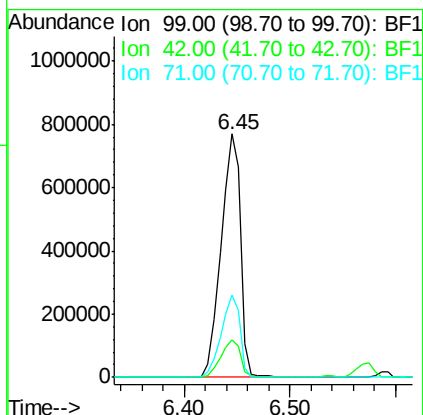
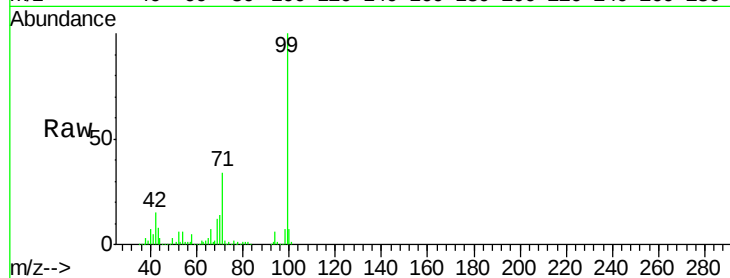
ClientSampleId :

PB108604BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 99    | Resp: | 987559 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 15.5  | 14.5  | 21.7   |
| 71        | 33.8  | 25.4  | 38.0   |

Manual Integrations  
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#8

2-Chlorophenol

Concen: 40.790 ng

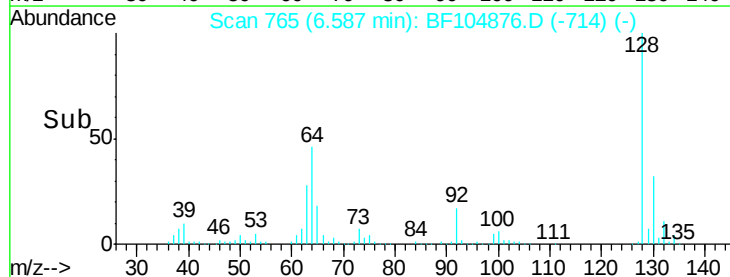
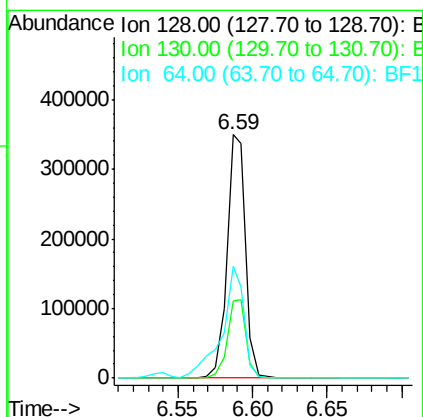
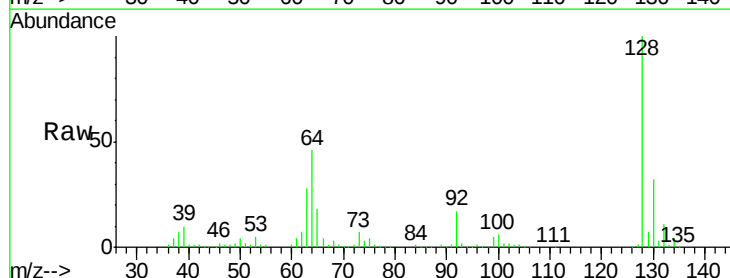
RT: 6.59 min Scan# 765

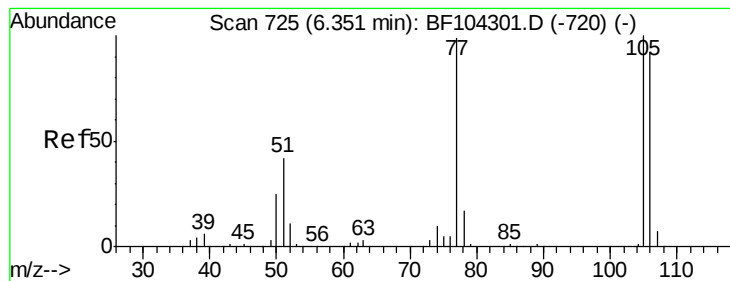
Delta R.T. -0.00 min

Lab File: BF104876.D

Acq: 27 Apr 2018 11:25

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 128   | Resp: | 307109 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 130       | 31.8  | 13.0  | 53.0   |
| 64        | 45.9  | 29.4  | 69.4   |





#9

Benzaldehyde

Concen: 24.744 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.00 min

Lab File: BF104876.D

Acq: 27 Apr 2018 11:25

Instrument :

BNA\_F

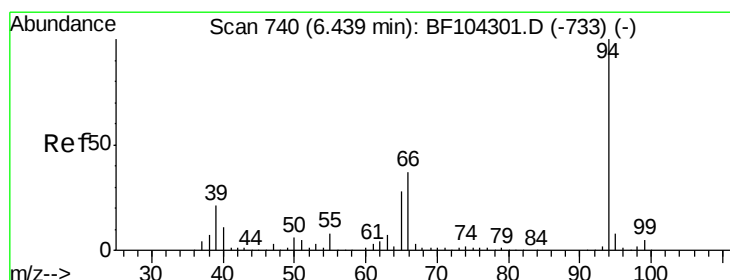
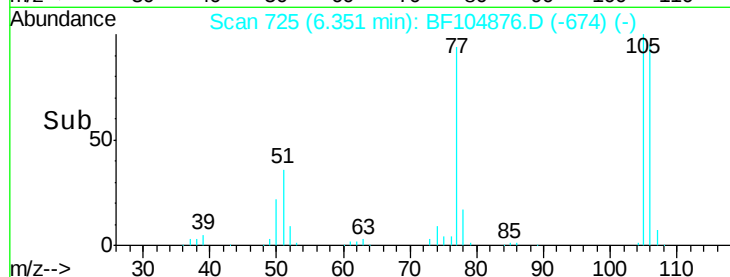
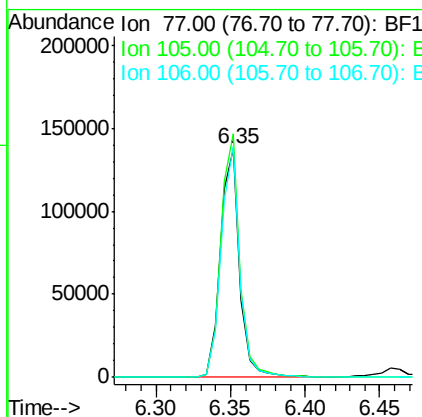
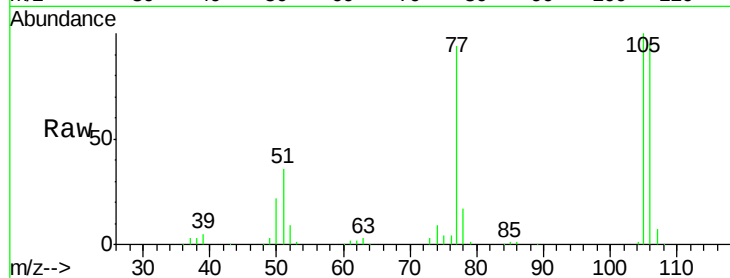
ClientSampleId :

PB108604BS

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 77    | Resp: | 124708 |
| Ion      | Ratio | Lower | Upper  |
| 77       | 100   |       |        |
| 105      | 106.6 | 81.1  | 121.1  |
| 106      | 100.8 | 74.5  | 114.5  |

Manual Integrations  
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#10

Phenol

Concen: 38.418 ng

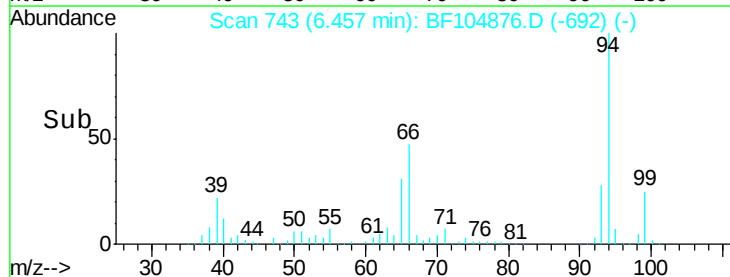
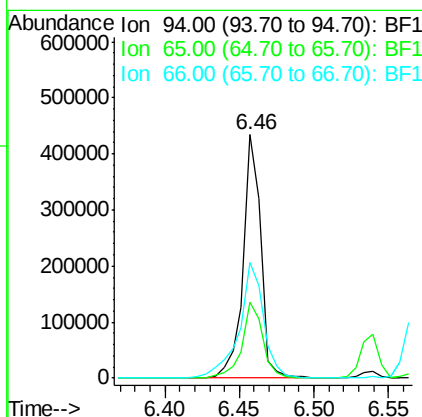
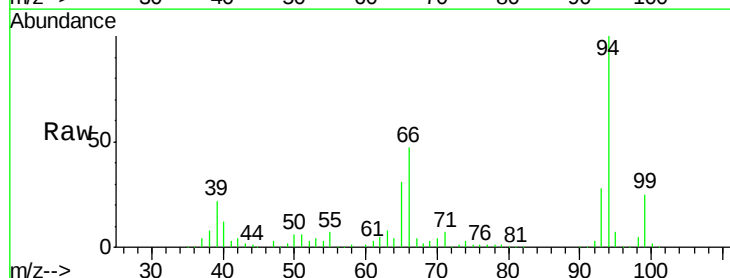
RT: 6.46 min Scan# 743

Delta R.T. -0.00 min

Lab File: BF104876.D

Acq: 27 Apr 2018 11:25

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 94    | Resp: | 357274 |
| Ion      | Ratio | Lower | Upper  |
| 94       | 100   |       |        |
| 65       | 31.5  | 7.9   | 47.9   |
| 66       | 47.5  | 16.2  | 56.2   |





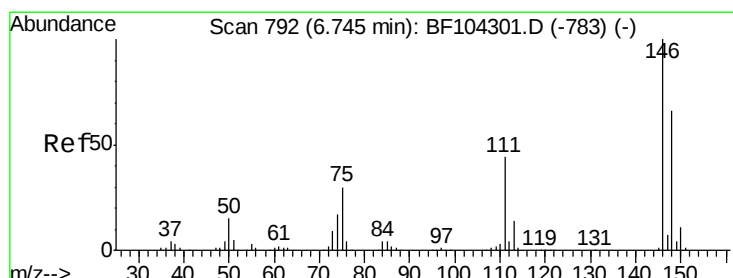
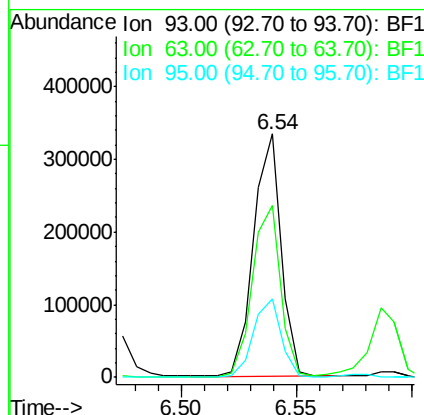
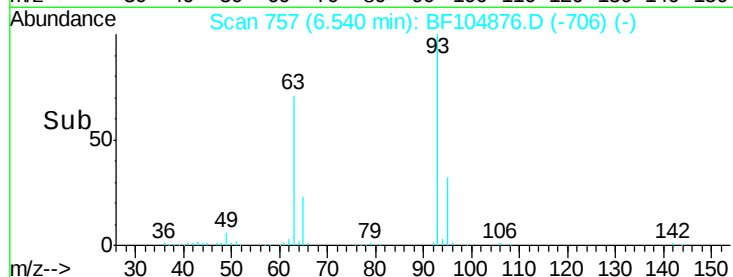
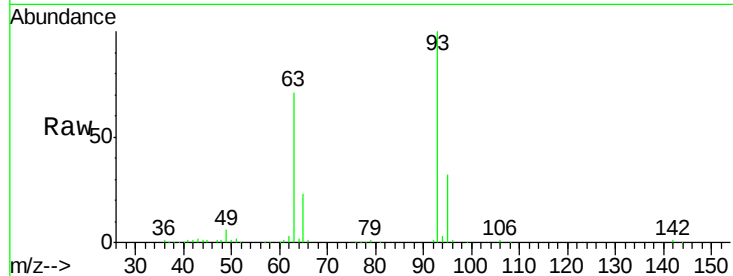
#11  
bis(2-Chloroethyl)ether  
Concen: 37.677 ng  
RT: 6.54 min Scan# 757  
Delta R.T. -0.00 min  
Lab File: BF104876.D  
Acq: 27 Apr 2018 11:25

Instrument :  
BNA\_F  
ClientSampleId :  
PB108604BS

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 93    | Resp: | 279609 |
| Ion      | Ratio | Lower | Upper  |
| 93       | 100   |       |        |
| 63       | 70.7  | 58.6  | 98.6   |
| 95       | 32.4  | 11.8  | 51.8   |

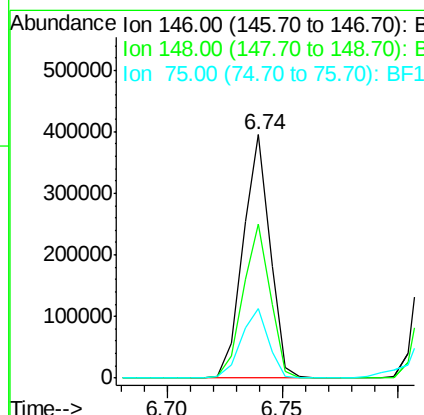
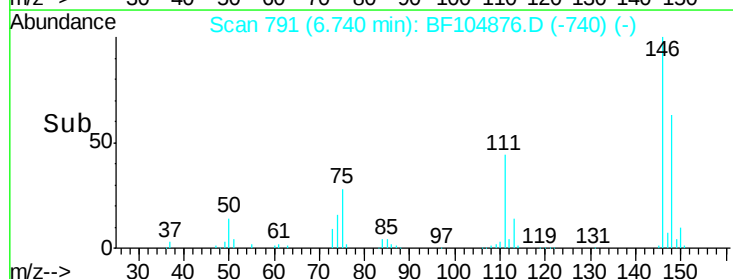
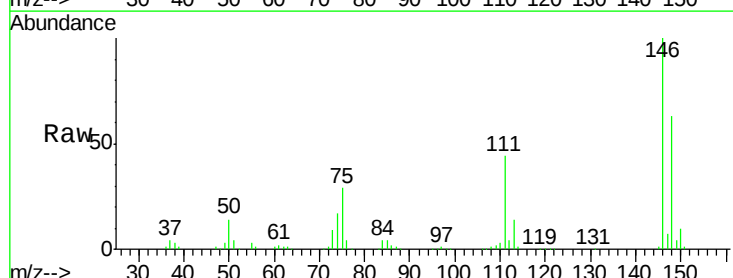
Manual Integrations  
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#12  
1,3-Dichlorobenzene  
Concen: 37.700 ng  
RT: 6.74 min Scan# 791  
Delta R.T. -0.00 min  
Lab File: BF104876.D  
Acq: 27 Apr 2018 11:25

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 146   | Resp: | 321564 |
| Ion      | Ratio | Lower | Upper  |
| 146      | 100   |       |        |
| 148      | 63.2  | 51.8  | 77.8   |
| 75       | 28.6  | 24.2  | 36.4   |





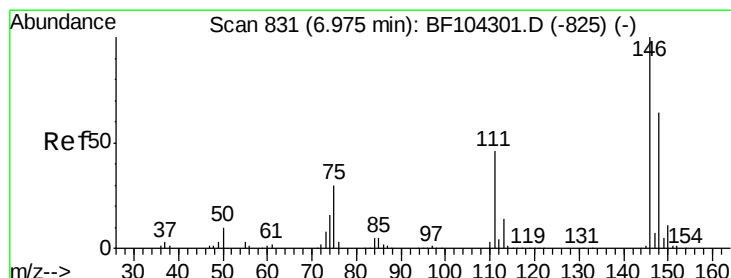
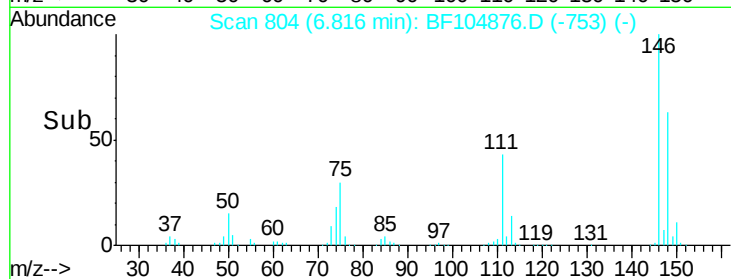
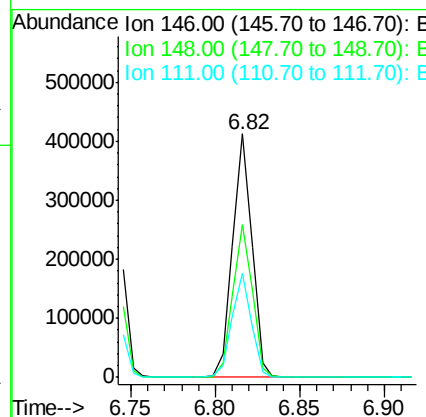
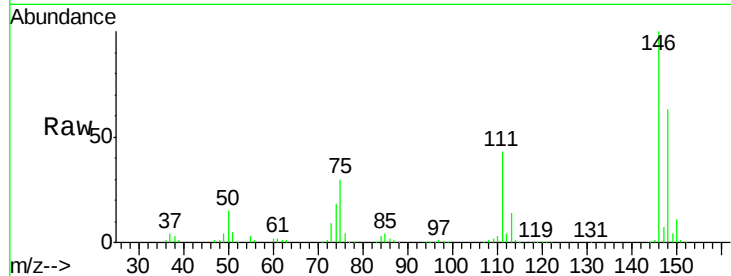
#13  
 1,4-Dichlorobenzene  
 Concen: 38.558 ng  
 RT: 6.82 min Scan# 804  
 Delta R.T. -0.00 min  
 Lab File: BF104876.D  
 Acq: 27 Apr 2018 11:25

Instrument :  
 BNA\_F  
 ClientSampleID :  
 PB108604BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 62.8  | 50.8  | 76.2  |
| 111     | 43.0  | 34.2  | 51.2  |

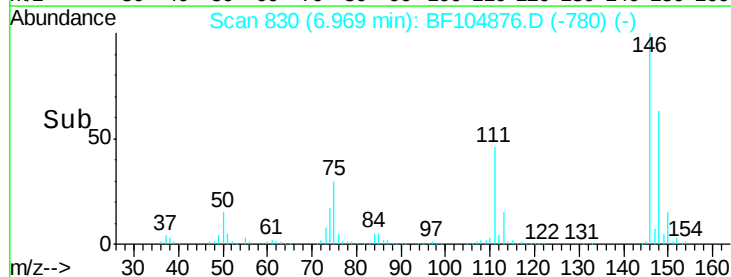
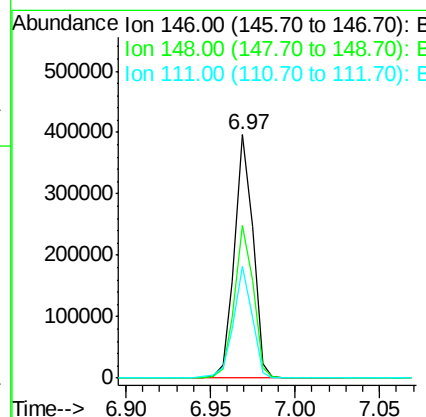
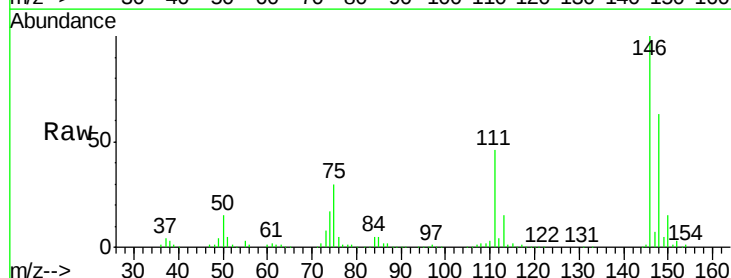
Manual Integrations  
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#14  
 1,2-Dichlorobenzene  
 Concen: 38.321 ng  
 RT: 6.97 min Scan# 830  
 Delta R.T. -0.01 min  
 Lab File: BF104876.D  
 Acq: 27 Apr 2018 11:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 62.9  | 50.6  | 75.8  |
| 111     | 45.9  | 36.0  | 54.0  |





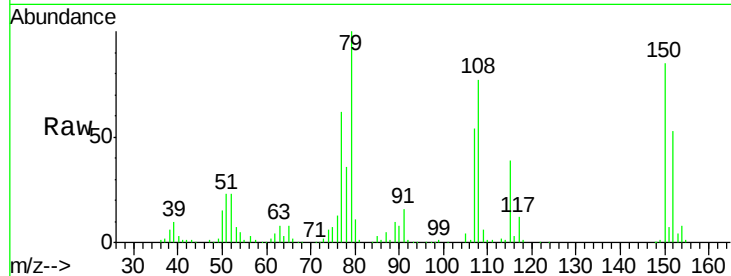
#15  
Benzyl Alcohol  
Concen: 36.536 ng  
RT: 6.95 min Scan# 826  
Delta R.T. -0.00 min  
Lab File: BF104876.D  
Acq: 27 Apr 2018 11:25

Instrument :  
BNA\_F  
ClientSampleId :  
PB108604BS

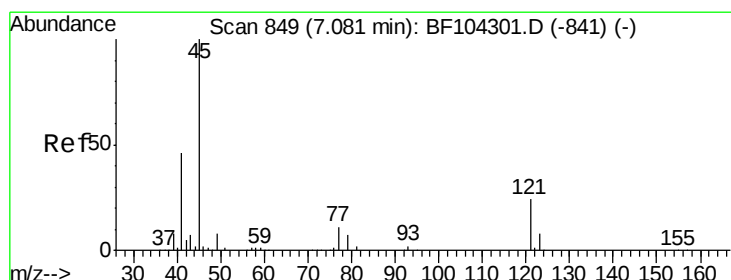
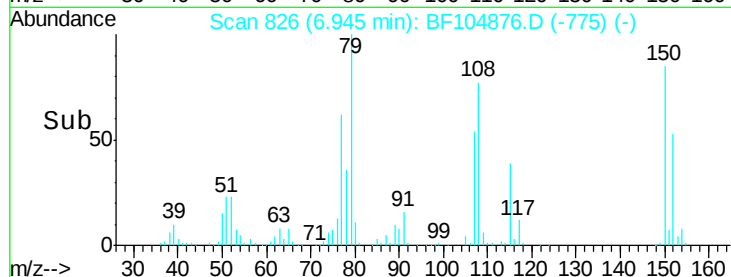
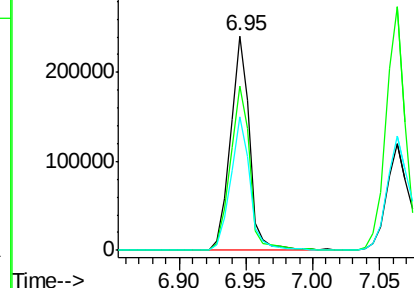
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 108     | 76.7  | 65.1  | 97.7  |
| 77      | 62.0  | 50.6  | 75.8  |

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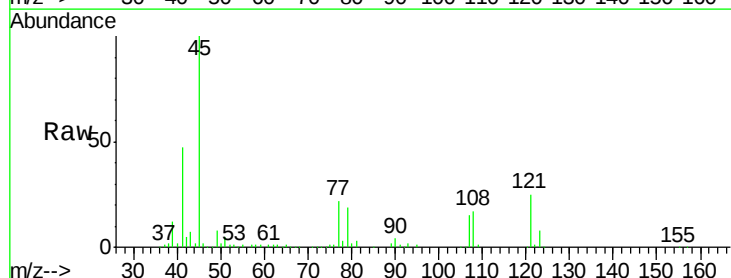


Abundance Ion 79.00 (78.70 to 79.70): BF1  
Ion 108.00 (107.70 to 108.70): BF1  
Ion 77.00 (76.70 to 77.70): BF1

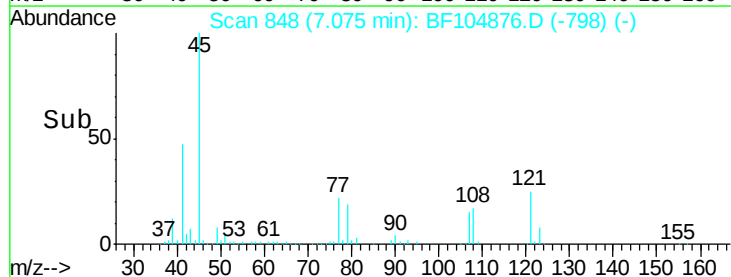
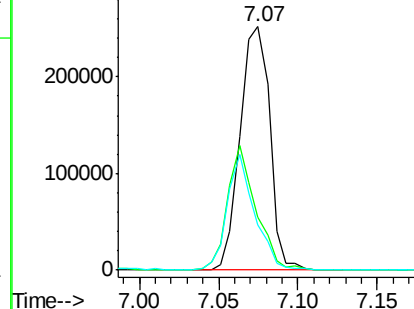


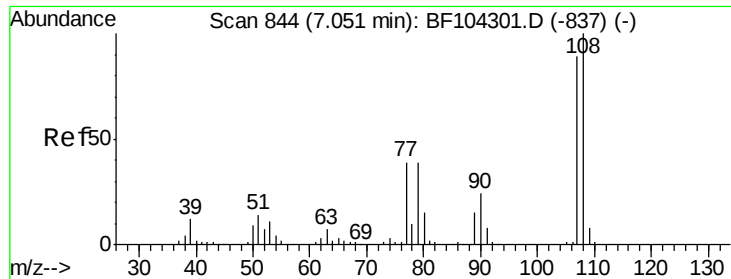
#16  
2,2'-oxybis(1-chloropropane)  
Concen: 32.711 ng  
RT: 7.07 min Scan# 848  
Delta R.T. -0.01 min  
Lab File: BF104876.D  
Acq: 27 Apr 2018 11:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 77      | 21.8  | 0.0   | 32.9  |
| 79      | 18.7  | 0.0   | 29.6  |



Abundance Ion 45.00 (44.70 to 45.70): BF1  
Ion 77.00 (76.70 to 77.70): BF1  
Ion 79.00 (78.70 to 79.70): BF1





#17

2-Methylphenol

Concen: 37.622 ng

RT: 7.06 min Scan# 846

Delta R.T. -0.00 min

Lab File: BF104876.D

Acq: 27 Apr 2018 11:25

Instrument :

BNA\_F

ClientSampleId :

PB108604BS

Tot Ion:107 Resp: 246228

Ion Ratio Lower Upper

107 100

108 111.3 91.7 137.5

77 52.2 33.8 50.8#

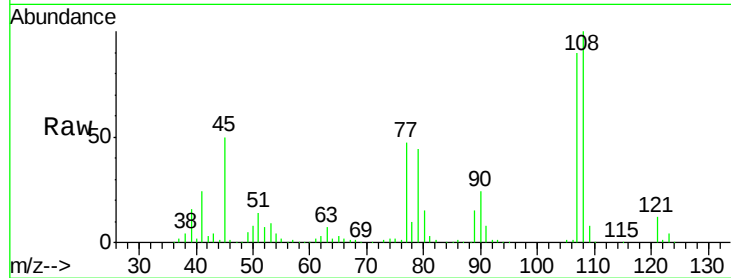
79 48.9 33.8 50.8

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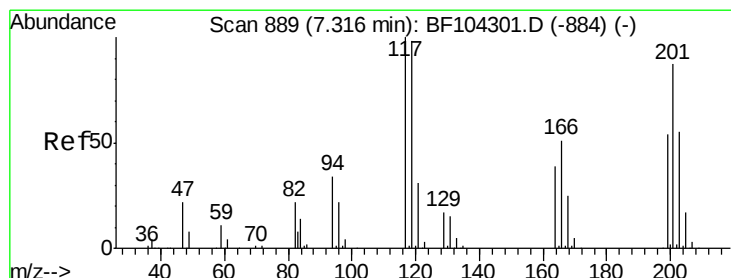
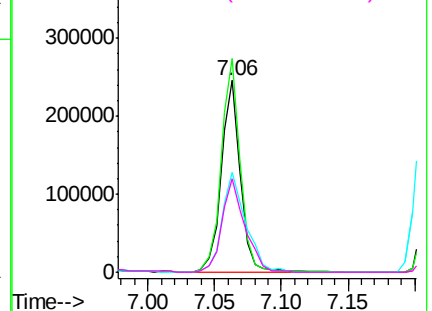
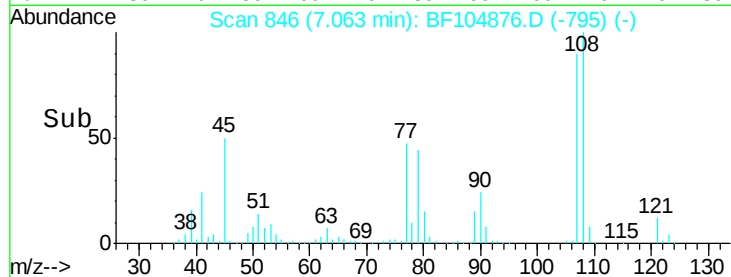
Abundance

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: 30.442 ng

RT: 7.30 min Scan# 887

Delta R.T. -0.01 min

Lab File: BF104876.D

Acq: 27 Apr 2018 11:25

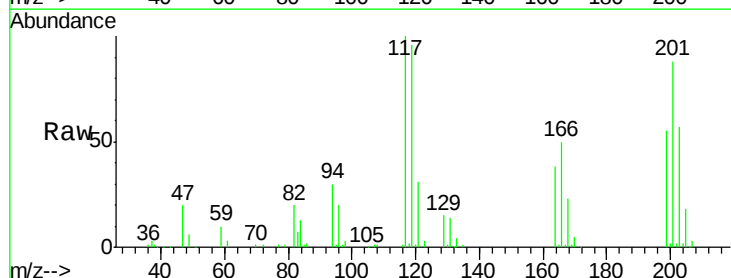
Tgt Ion:117 Resp: 92285

Ion Ratio Lower Upper

117 100

119 95.5 75.8 113.8

201 87.6 75.7 113.5

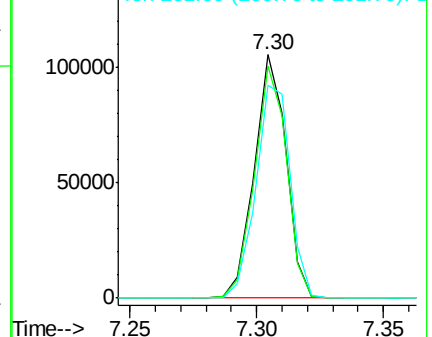
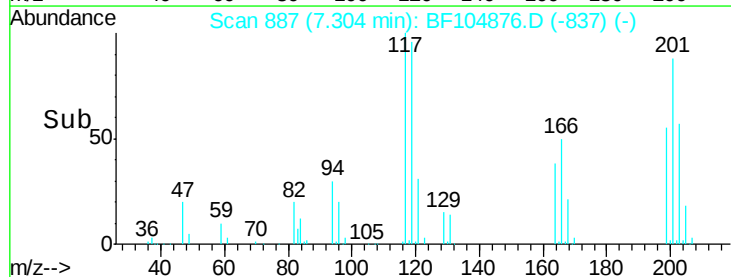


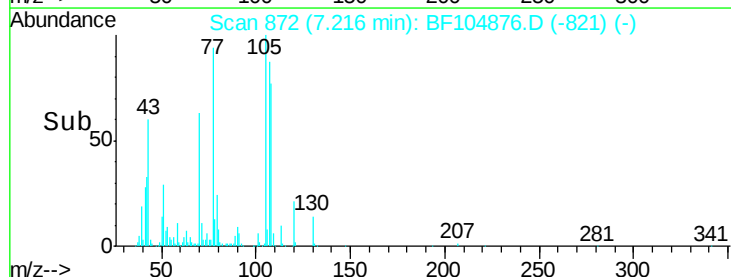
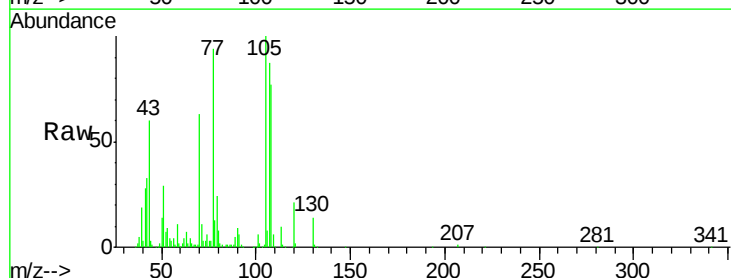
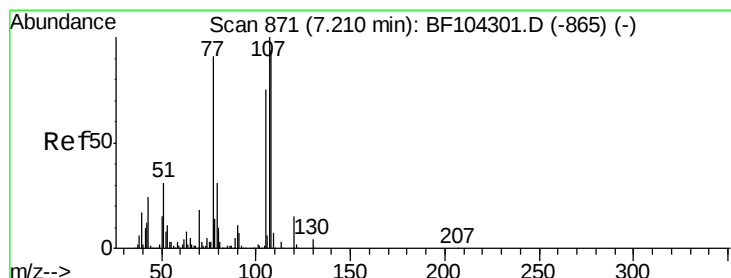
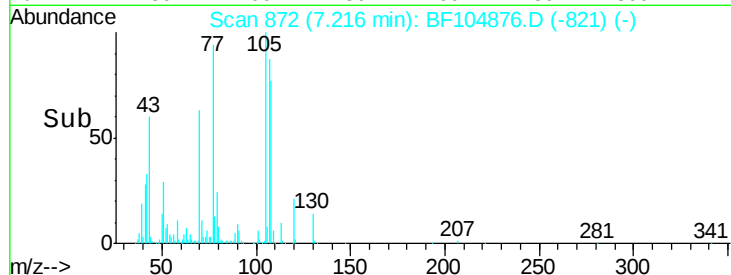
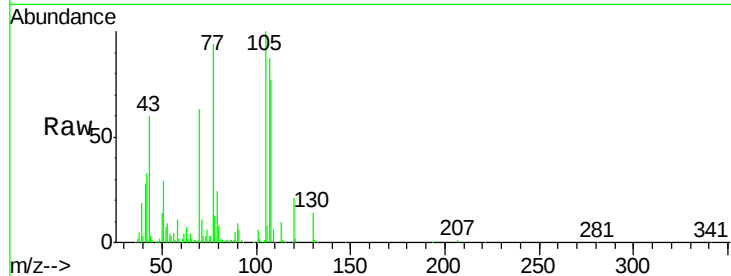
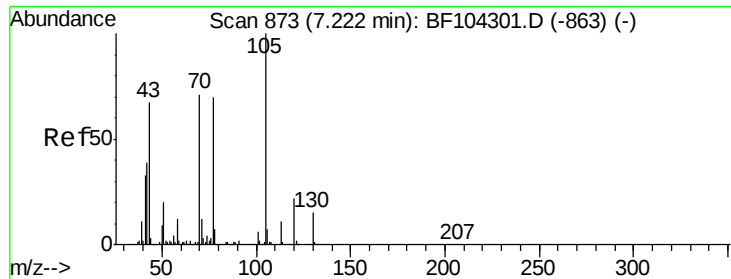
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

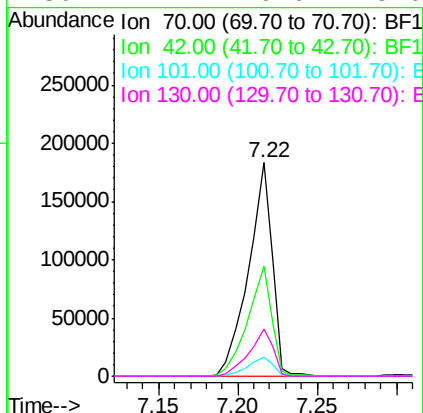
Ion 201.00 (200.70 to 201.70): E





#19  
n-Nitroso-di-n-propylamine  
Concen: 33.277 ng  
RT: 7.22 min Scan# 872  
Delta R.T. -0.00 min  
Lab File: BF104876.D  
Acq: 27 Apr 2018 11:25

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 70      | 100  |       | 190589 |       |       |
| 42      | 51.5 | 47.5  | 71.3   |       |       |
| 101     | 9.3  | 7.4   | 11.2   |       |       |
| 130     | 22.2 | 16.6  | 25.0   |       |       |



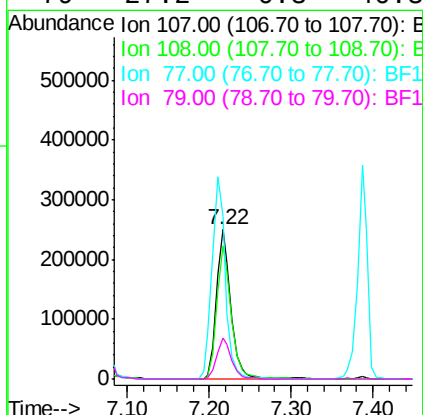
Instrument :  
BNA\_F  
ClientSampleId :  
PB108604BS

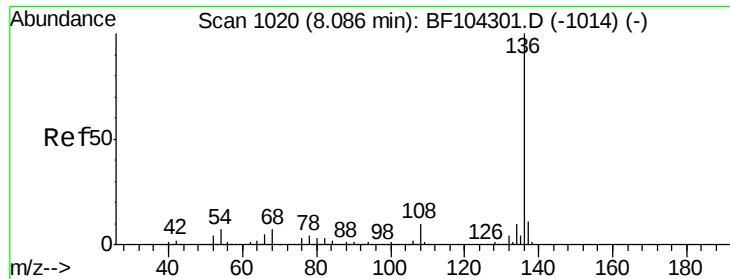
Manual Integrations  
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#20  
3+4-Methylphenols  
Concen: 37.635 ng  
RT: 7.22 min Scan# 872  
Delta R.T. -0.00 min  
Lab File: BF104876.D  
Acq: 27 Apr 2018 11:25

| Tgt Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 107     | 100   |       | 305480 |       |       |
| 108     | 88.9  | 68.2  | 108.2  |       |       |
| 77      | 108.6 | 26.7  | 66.7#  |       |       |
| 79      | 27.2  | 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: BF104876.D

Acq: 27 Apr 2018 11:25

Instrument :

BNA\_F

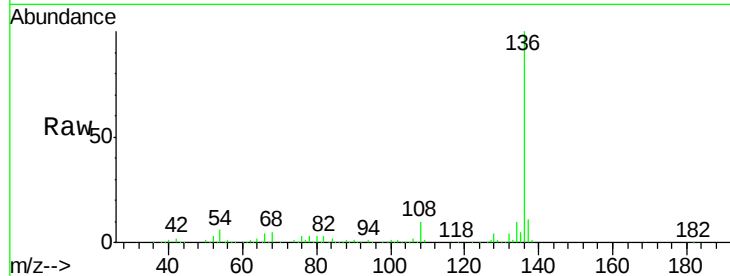
ClientSampleId :

PB108604BS

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 136     | 100  |       | 421637 |       |       |
| 137     | 10.7 |       | 8.9    | 13.3  |       |
| 54      | 5.8  |       | 6.6    | 9.8   |       |
| 68      | 5.4  |       | 5.0    | 7.4   |       |

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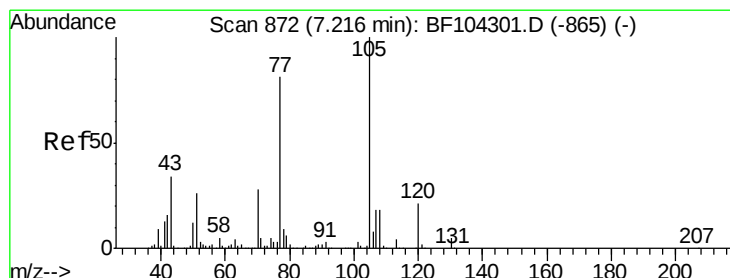
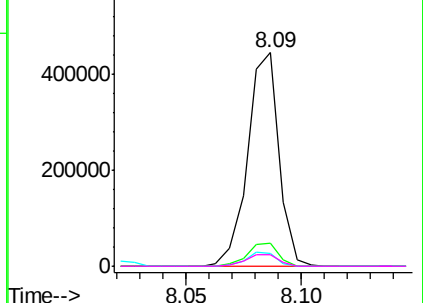
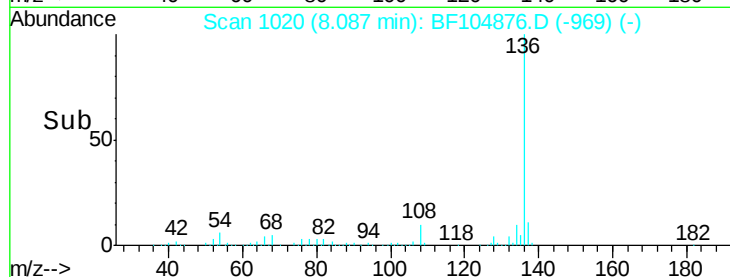


Abundance Ion 136.00 (135.70 to 136.70): E

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: 39.354 ng

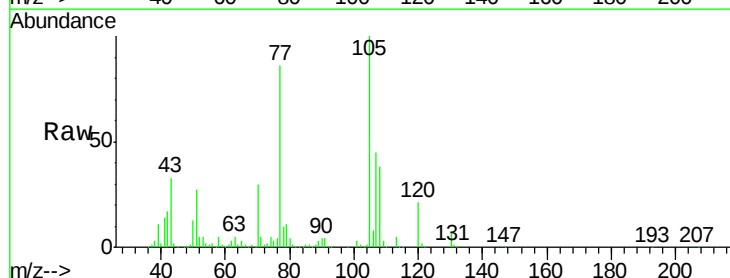
RT: 7.21 min Scan# 871

Delta R.T. -0.01 min

Lab File: BF104876.D

Acq: 27 Apr 2018 11:25

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 105     | 100  |       | 408512 |       |       |
| 71      | 5.3  |       | 4.4    | 6.6   |       |
| 51      | 27.1 |       | 22.3   | 33.5  |       |
| 120     | 20.9 |       | 16.9   | 25.3  |       |

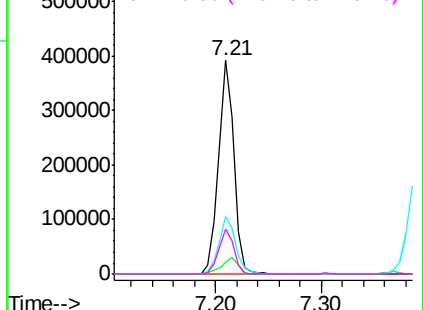
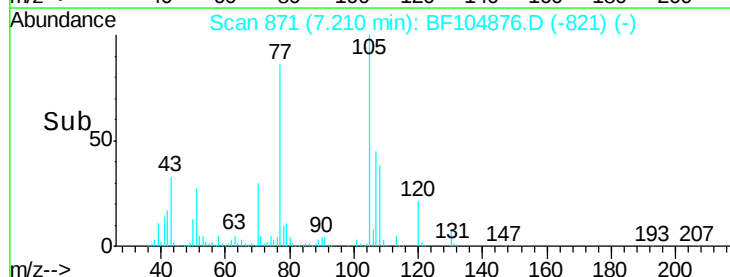


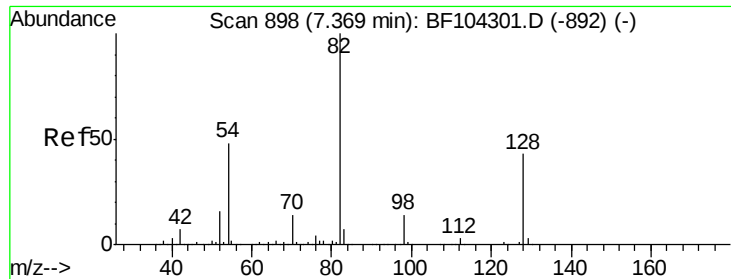
Abundance Ion 105.00 (104.70 to 105.70): E

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





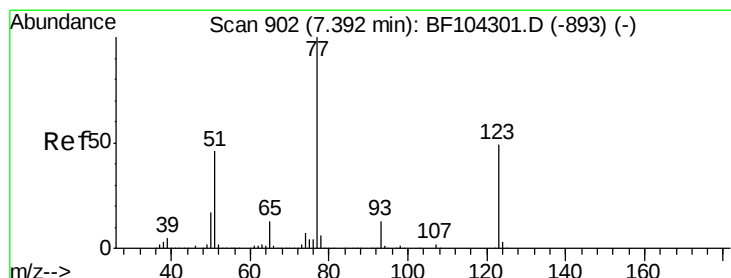
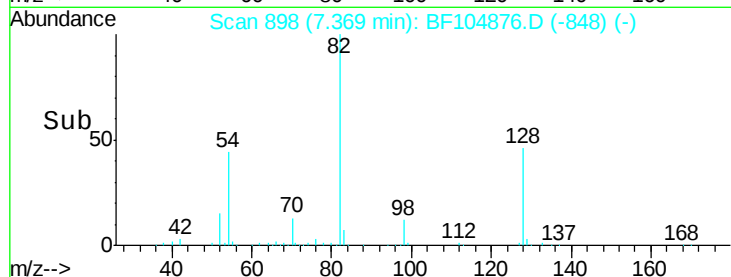
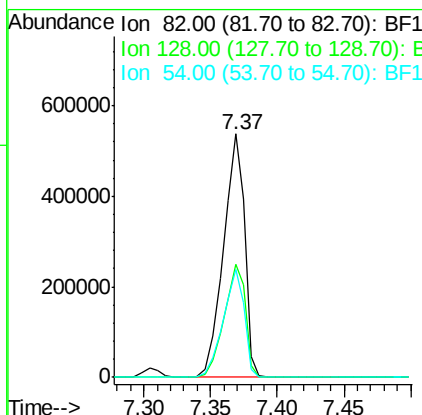
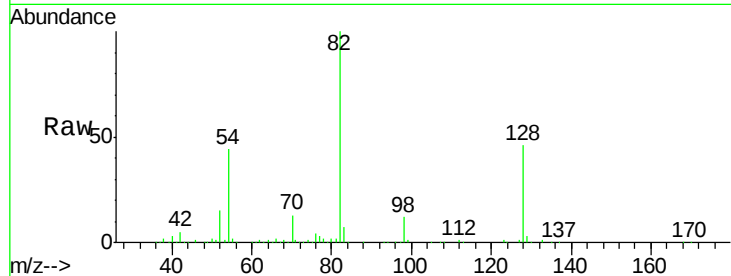
#23  
 Nitrobenzene-d5  
 Concen: 93.501 ng  
 RT: 7.37 min Scan# 898  
 Delta R.T. -0.01 min  
 Lab File: BF104876.D  
 Acq: 27 Apr 2018 11:25

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB108604BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 82      | 100   | 603744 |       |       |
| 128     | 46.3  | 36.1   | 54.1  |       |
| 54      | 44.3  | 41.4   | 62.2  |       |

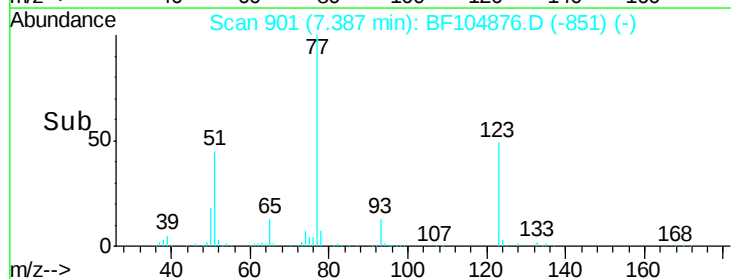
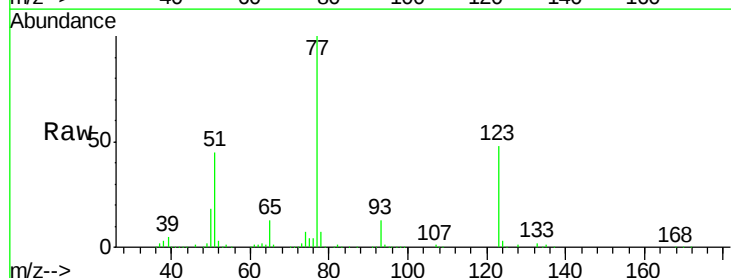
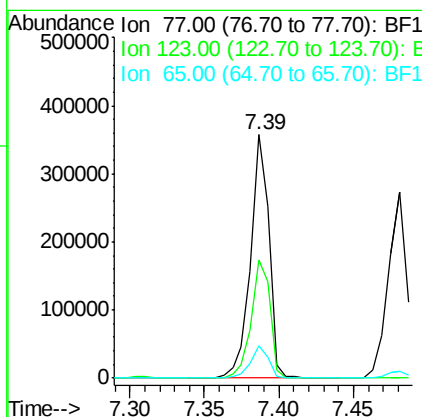
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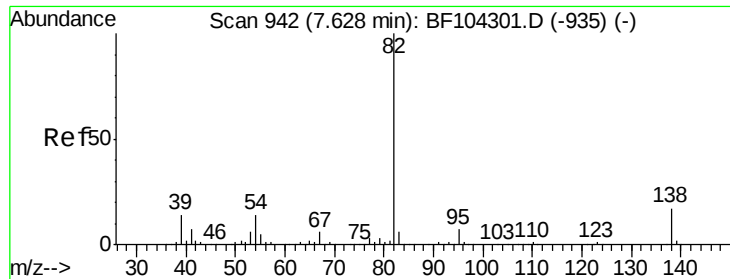
Sohil  
 4/27/2018 7:30:26 PM



#24  
 Nitrobenzene  
 Concen: 42.633 ng  
 RT: 7.39 min Scan# 901  
 Delta R.T. -0.01 min  
 Lab File: BF104876.D  
 Acq: 27 Apr 2018 11:25

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 77      | 100   | 303935 |       |       |
| 123     | 48.3  | 37.9   | 56.9  |       |
| 65      | 13.2  | 11.0   | 16.4  |       |





#25

Isophorone

Concen: 39.386 ng

RT: 7.62 min Scan# 941

Delta R.T. -0.01 min

Lab File: BF104876.D

Acq: 27 Apr 2018 11:25

Instrument :

BNA\_F

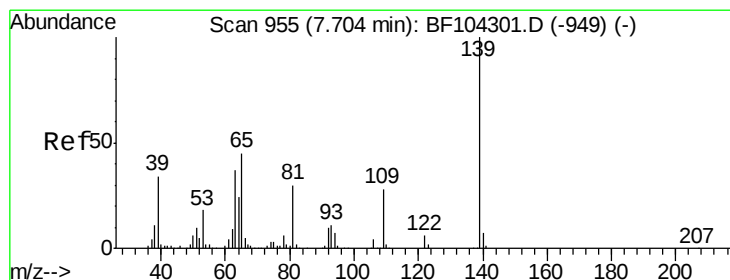
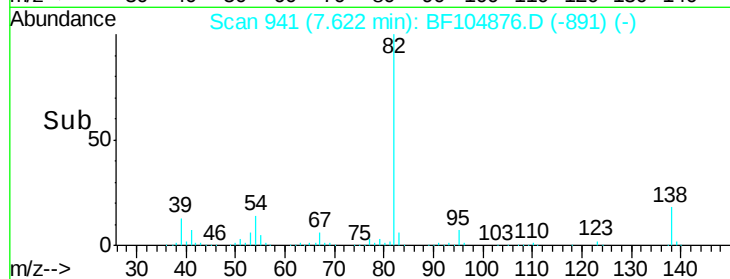
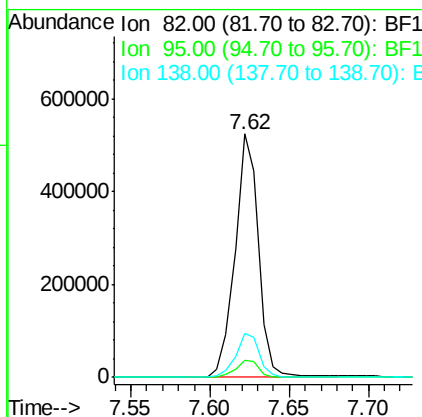
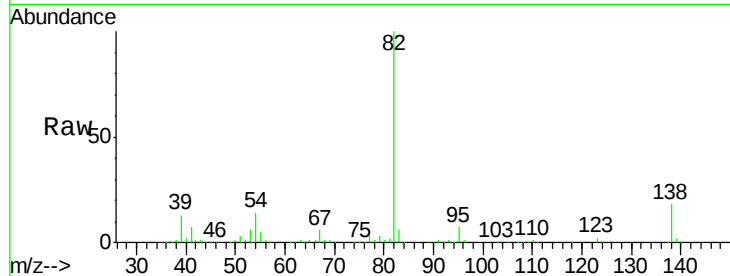
ClientSampleId :

PB108604BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 82    | Resp: | 537791 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 95        | 7.0   | 5.2   | 7.8    |
| 138       | 18.0  | 14.9  | 22.3   |

Manual Integrations  
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#26

2-Nitrophenol

Concen: 50.166 ng

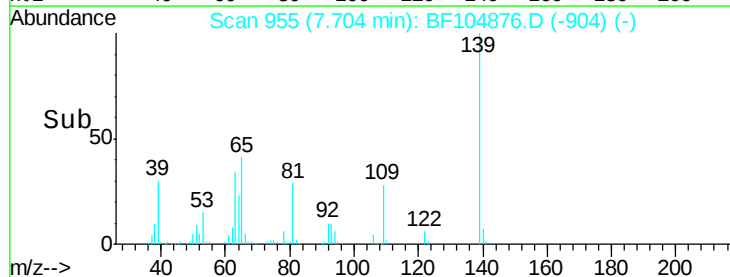
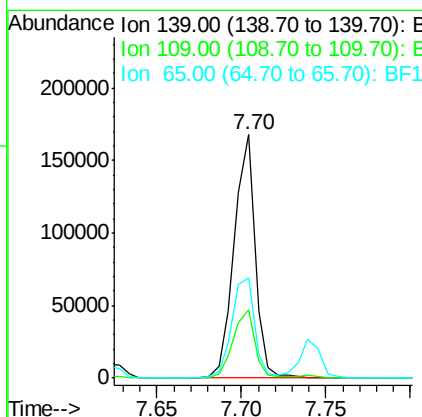
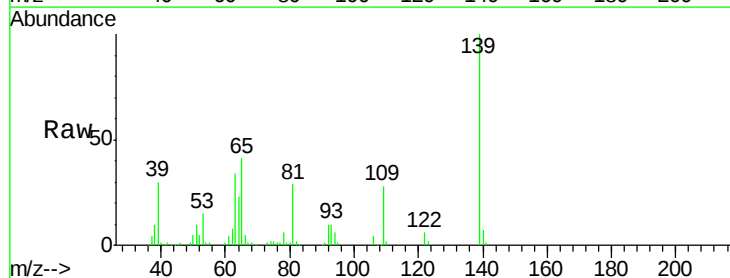
RT: 7.70 min Scan# 955

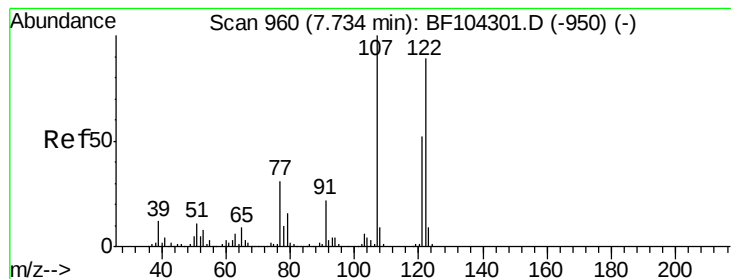
Delta R.T. -0.00 min

Lab File: BF104876.D

Acq: 27 Apr 2018 11:25

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 139   | Resp: | 145596 |
| Ion Ratio | Lower | Upper |        |
| 139       | 100   |       |        |
| 109       | 28.1  | 22.7  | 34.1   |
| 65        | 41.3  | 40.5  | 60.7   |





#27

2,4-Dimethylphenol

Concen: 43.415 ng

RT: 7.74 min Scan# 961

Delta R.T. -0.01 min

Lab File: BF104876.D

Acq: 27 Apr 2018 11:25

Instrument :

BNA\_F

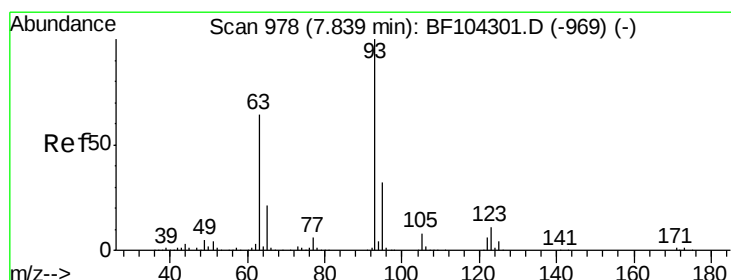
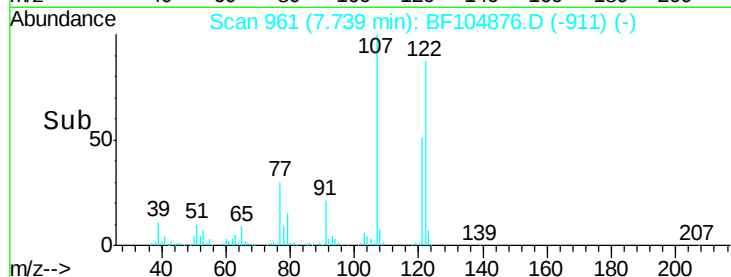
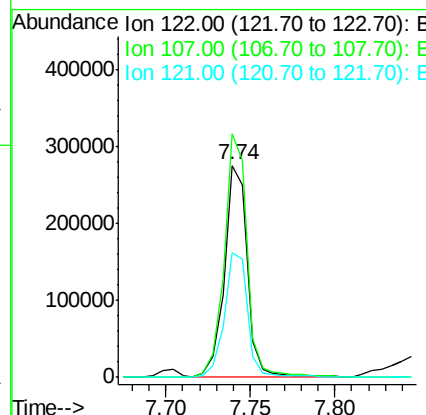
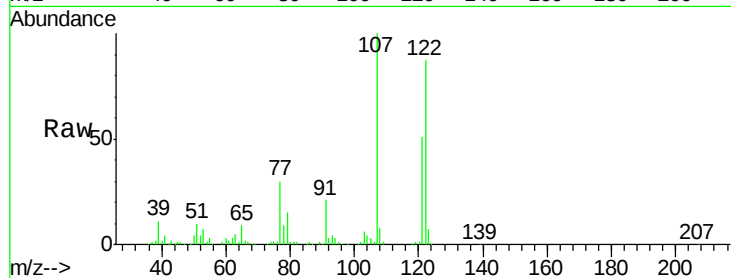
ClientSampleId :

PB108604BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 122   | Resp: | 261624 |
| Ion Ratio | Lower | Upper |        |
| 122       | 100   |       |        |
| 107       | 115.0 | 91.2  | 136.8  |
| 121       | 58.8  | 47.2  | 70.8   |

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#28

bis(2-Chloroethoxy)methane

Concen: 42.252 ng

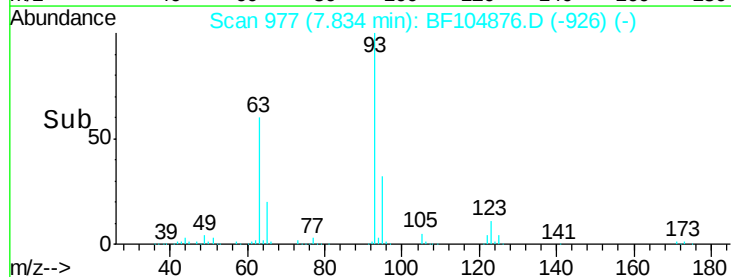
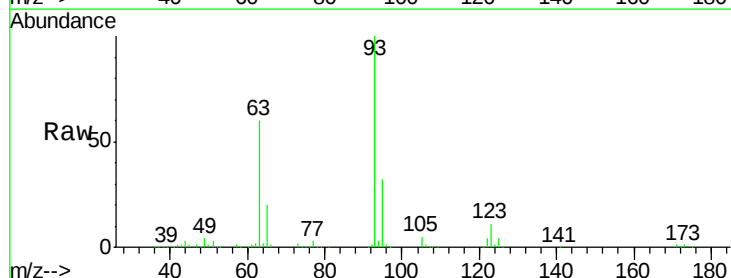
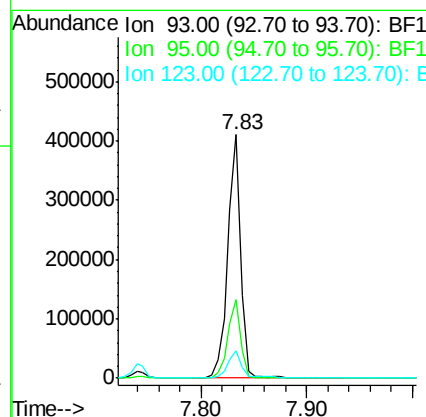
RT: 7.83 min Scan# 977

Delta R.T. -0.00 min

Lab File: BF104876.D

Acq: 27 Apr 2018 11:25

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 93    | Resp: | 352738 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 95        | 32.4  | 26.3  | 39.5   |
| 123       | 11.1  | 9.8   | 14.6   |





#29

2,4-Dichlorophenol

Concen: 41.919 ng

RT: 7.95 min Scan# 996

Delta R.T. -0.01 min

Lab File: BF104876.D

Acq: 27 Apr 2018 11:25

Instrument :

BNA\_F

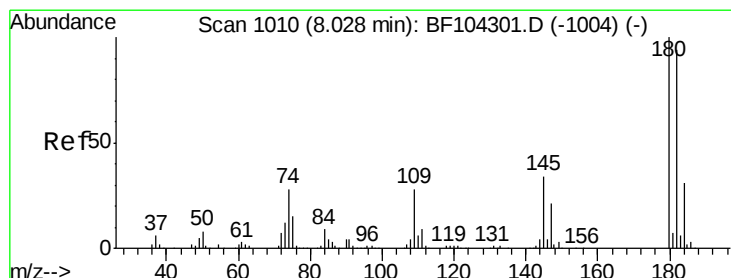
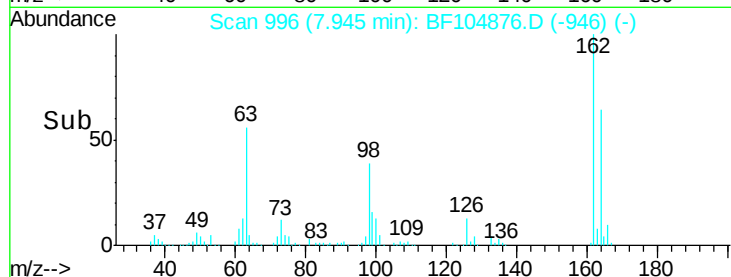
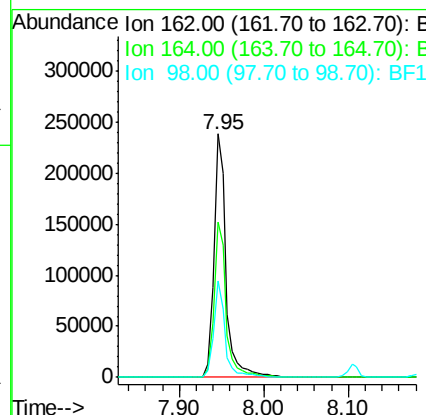
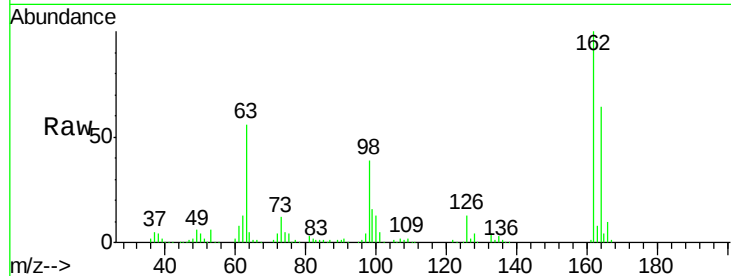
ClientSampleId :

PB108604BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 162   | Resp: | 241029 |
| Ion Ratio | Lower | Upper |        |
| 162       | 100   |       |        |
| 164       | 63.9  | 42.7  | 82.7   |
| 98        | 39.4  | 18.1  | 58.1   |

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#30

1,2,4-Trichlorobenzene

Concen: 39.594 ng

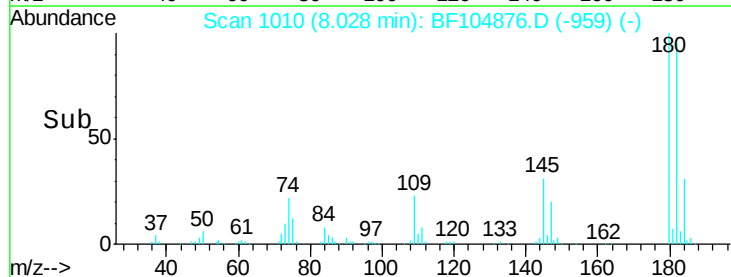
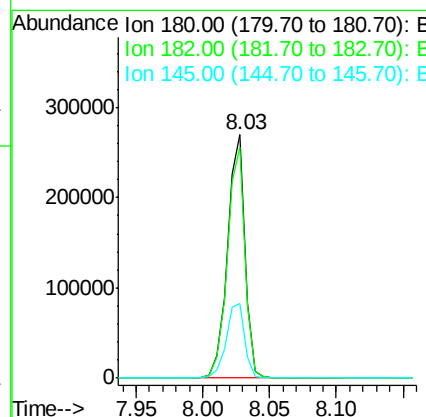
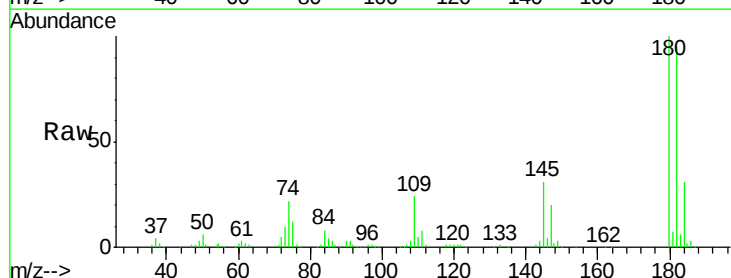
RT: 8.03 min Scan# 1010

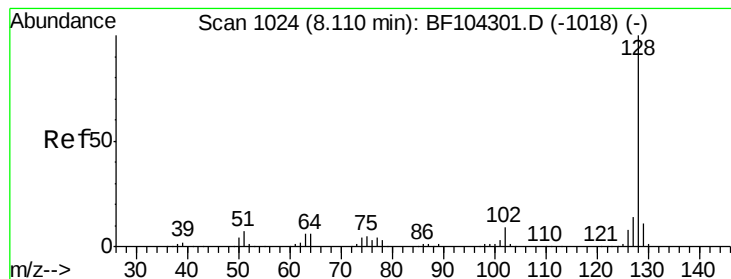
Delta R.T. -0.00 min

Lab File: BF104876.D

Acq: 27 Apr 2018 11:25

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 249848 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 94.7  | 76.8  | 115.2  |
| 145       | 30.7  | 26.5  | 39.7   |





#31

Naphthalene

Concen: 39.708 ng

RT: 8.10 min Scan# 1023

Delta R.T. -0.01 min

Lab File: BF104876.D

Acq: 27 Apr 2018 11:25

Instrument :

BNA\_F

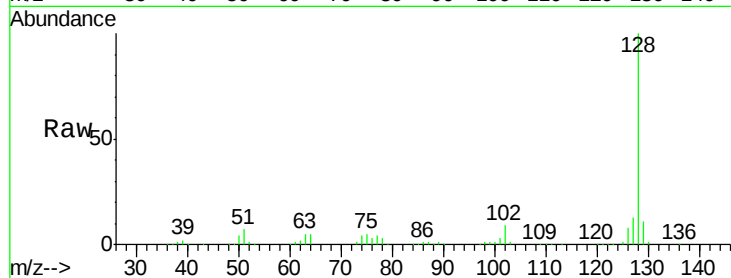
ClientSampleId :

PB108604BS

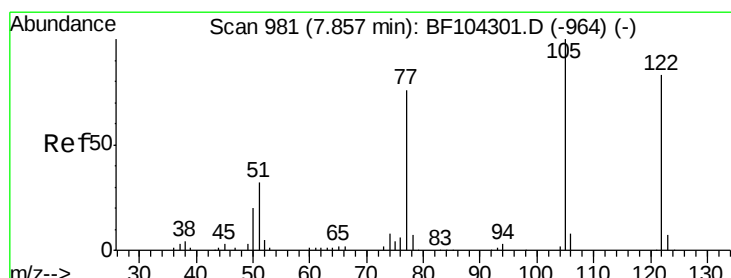
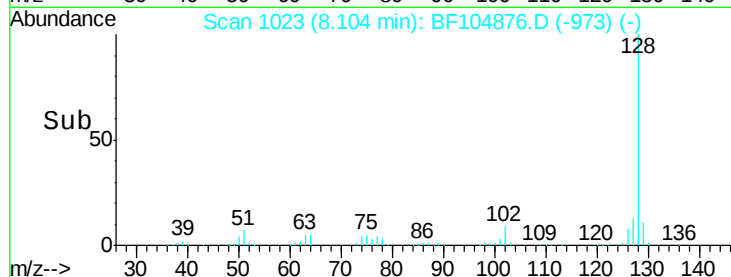
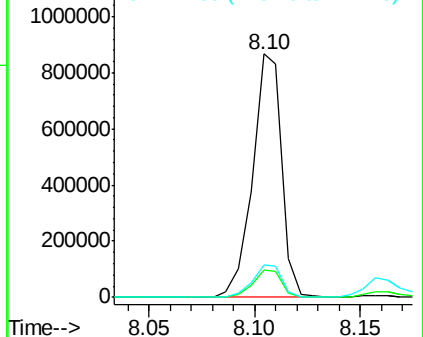
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 833684 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 129       | 11.2  | 8.8   | 13.2   |
| 127       | 13.5  | 10.9  | 16.3   |

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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



#32

Benzoic acid

Concen: 22.431 ng

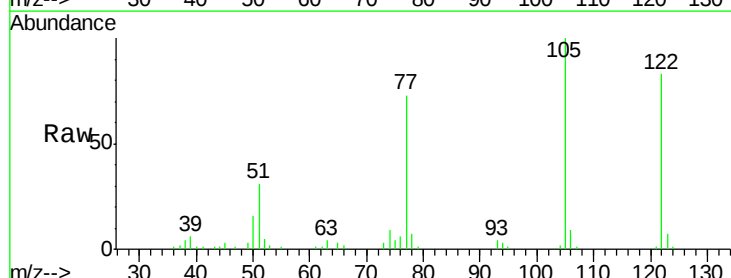
RT: 7.86 min Scan# 982

Delta R.T. -0.02 min

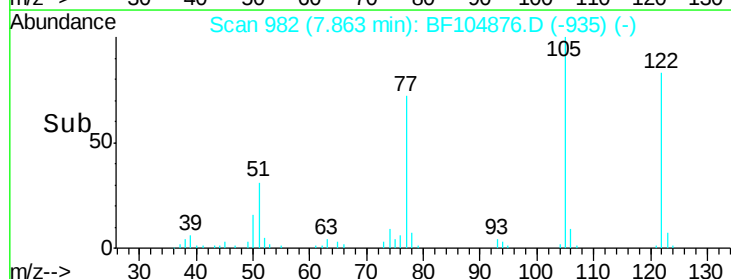
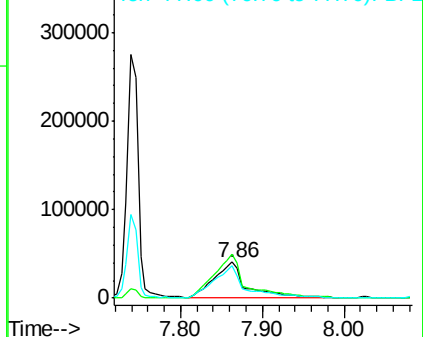
Lab File: BF104876.D

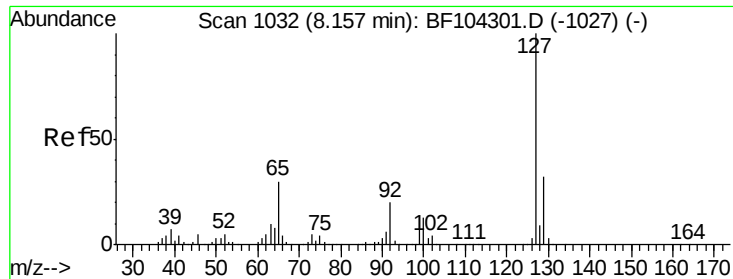
Acq: 27 Apr 2018 11:25

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 122   | Resp: | 107851 |
| Ion Ratio | Lower | Upper |        |
| 122       | 100   |       |        |
| 105       | 120.9 | 101.1 | 141.1  |
| 77        | 88.6  | 70.7  | 110.7  |



Abundance Ion 122.00 (121.70 to 122.70): E  
Ion 105.00 (104.70 to 105.70): E  
Ion 77.00 (76.70 to 77.70): BF1





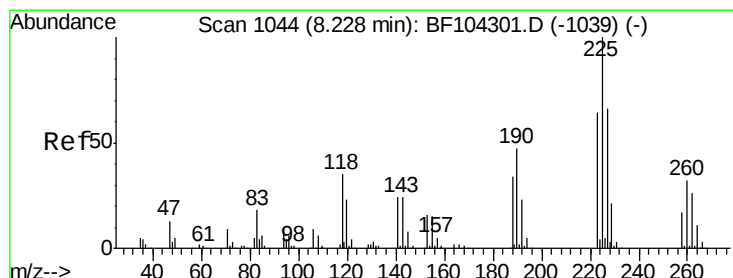
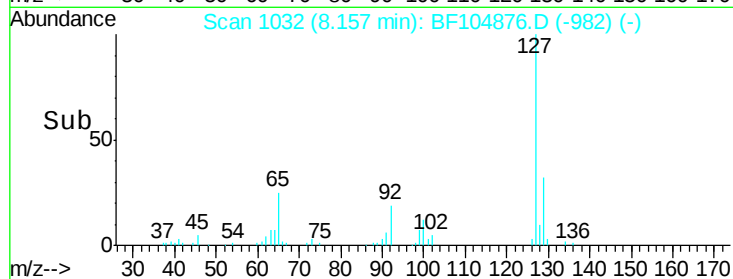
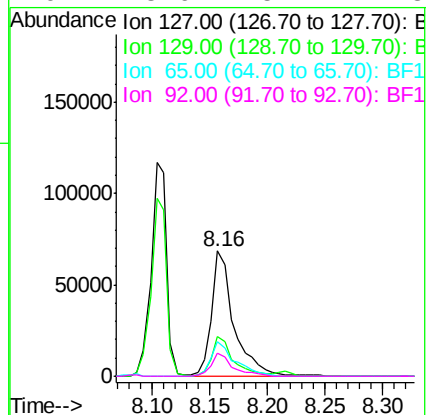
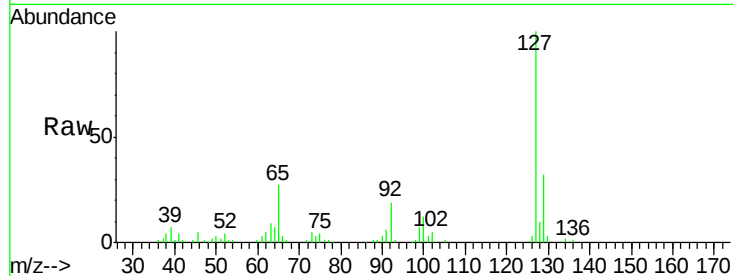
#33  
4-Chloroaniline  
Concen: 10.386 ng  
RT: 8.16 min Scan# 1032  
Delta R.T. -0.01 min  
Lab File: BF104876.D  
Acq: 27 Apr 2018 11:25

Instrument :  
BNA\_F  
ClientSampleId :  
PB108604BS

| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 127     | 100  |       |      |       |       |
| 129     | 32.1 |       | 25.9 | 38.9  |       |
| 65      | 27.4 |       | 25.0 | 37.4  |       |
| 92      | 18.6 |       | 15.2 | 22.8  |       |

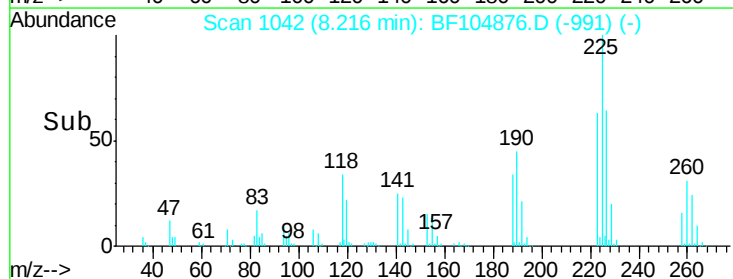
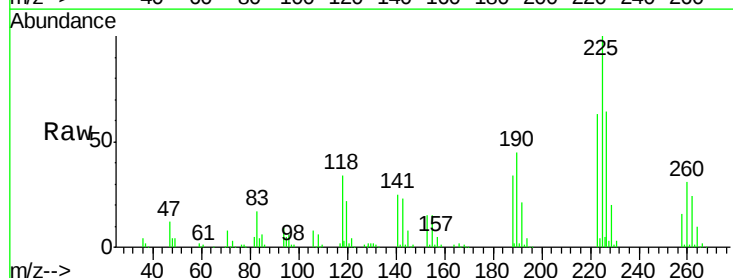
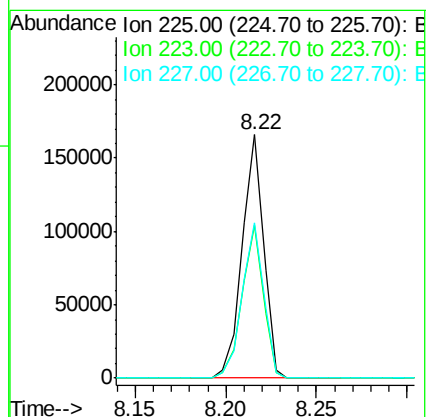
Manual Integrations  
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#34  
Hexachlorobutadiene  
Concen: 39.826 ng  
RT: 8.22 min Scan# 1042  
Delta R.T. -0.00 min  
Lab File: BF104876.D  
Acq: 27 Apr 2018 11:25

| Tgt Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 225     | 100  |       |      |       |       |
| 223     | 62.7 |       | 50.6 | 76.0  |       |
| 227     | 63.7 |       | 51.9 | 77.9  |       |





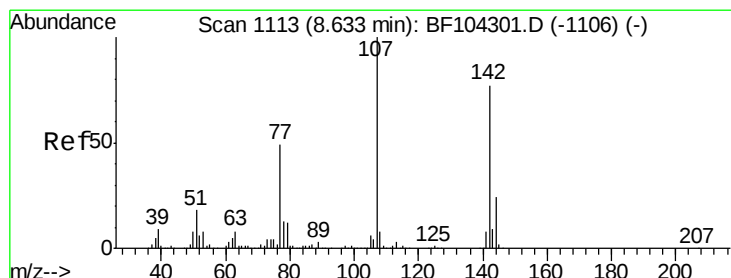
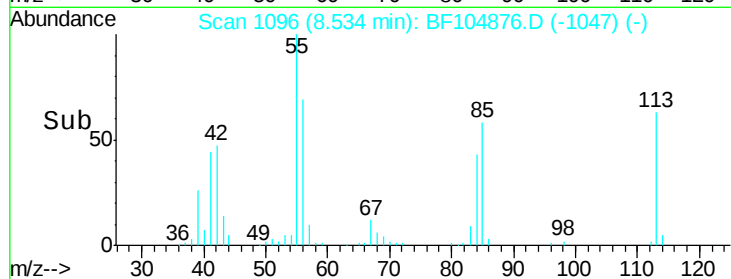
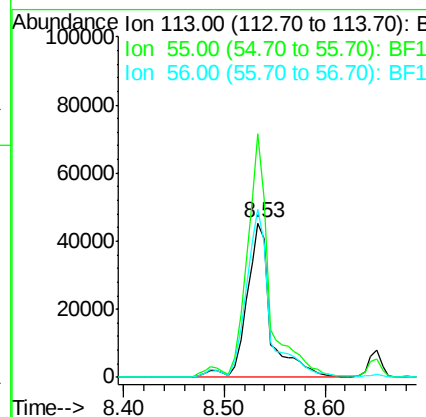
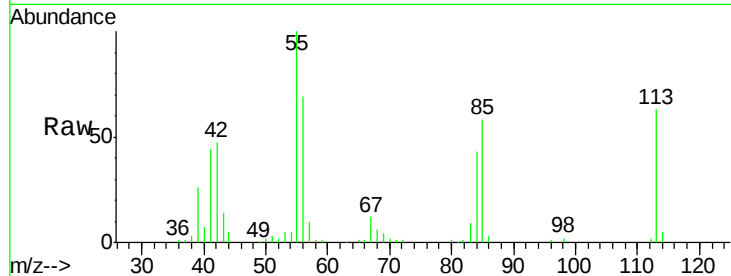
#35  
Caprolactam  
Concen: 37.499 ng/ml  
RT: 8.53 min Scan# 1096  
Delta R.T. -0.01 min  
Lab File: BF104876.D  
Acq: 27 Apr 2018 11:25

Instrument :  
BNA\_F  
ClientSampleID :  
PB108604BS

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 113     | 100   |       |        |
| 55      | 157.6 | 163.3 | 203.3# |
| 56      | 108.4 | 115.7 | 155.7# |

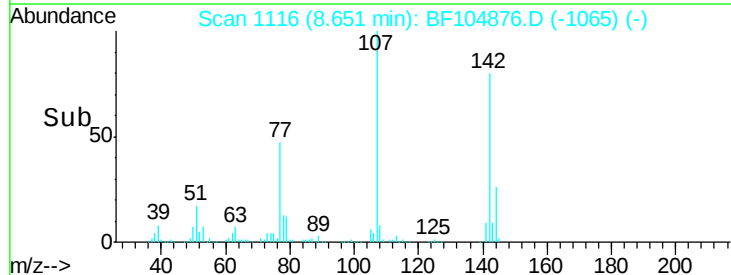
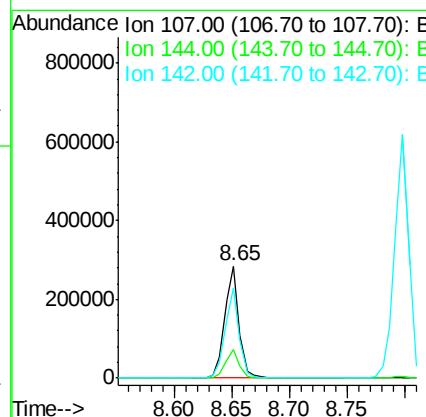
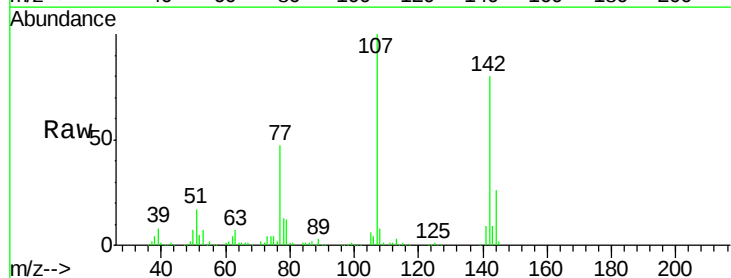
Manual Integrations  
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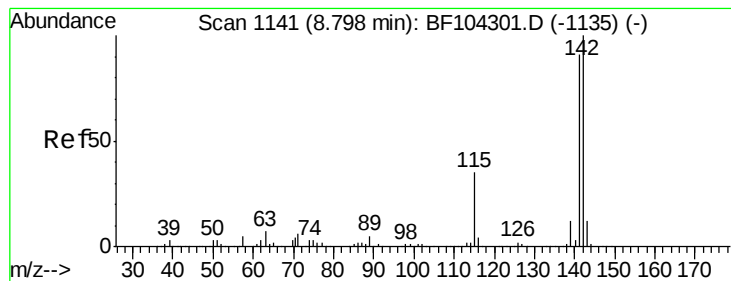
Sohil  
4/27/2018 7:30:26 PM



#36  
4-Chloro-3-methylphenol  
Concen: 39.719 ng/ml  
RT: 8.65 min Scan# 1116  
Delta R.T. -0.00 min  
Lab File: BF104876.D  
Acq: 27 Apr 2018 11:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 144     | 25.5  | 20.5  | 30.7  |
| 142     | 80.4  | 62.0  | 93.0  |





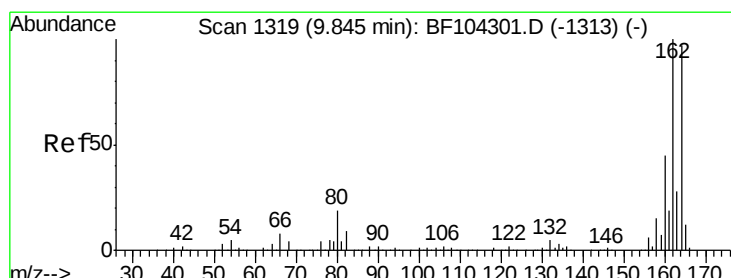
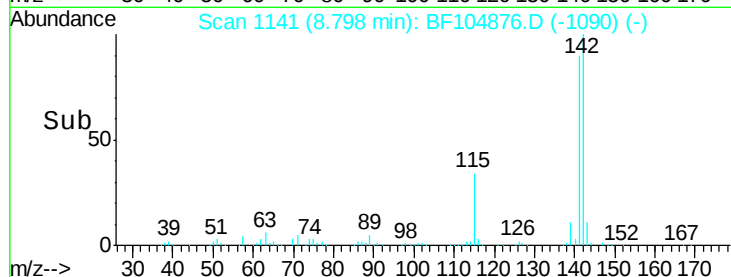
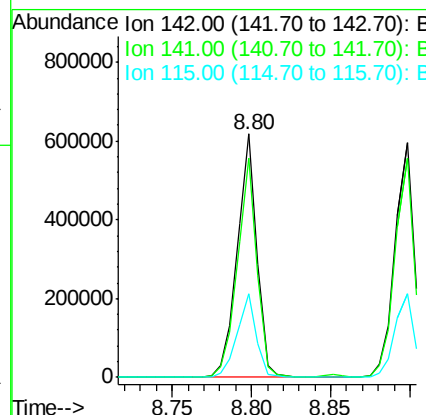
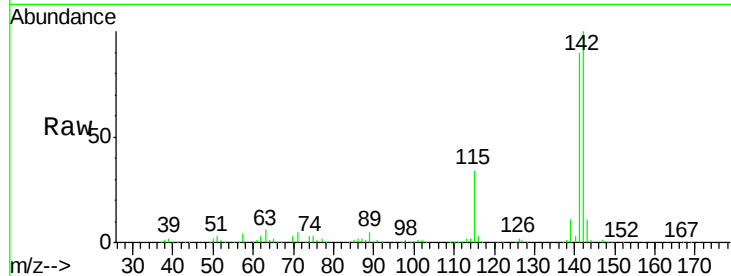
#37  
2-Methylnaphthalene  
Concen: 39.216 ng  
RT: 8.80 min Scan# 1141  
Delta R.T. -0.00 min  
Lab File: BF104876.D  
Acq: 27 Apr 2018 11:25

Instrument :  
BNA\_F  
ClientSampleId :  
PB108604BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 90.3  | 70.8  | 106.2 |
| 115     | 34.4  | 26.1  | 39.1  |

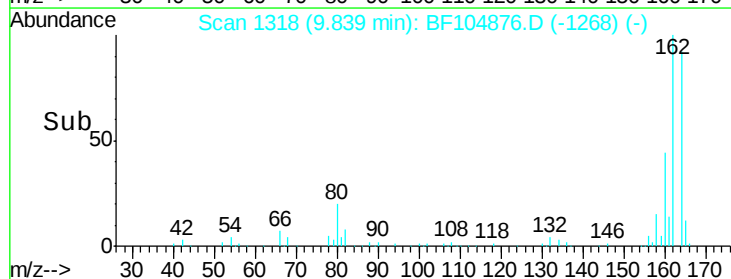
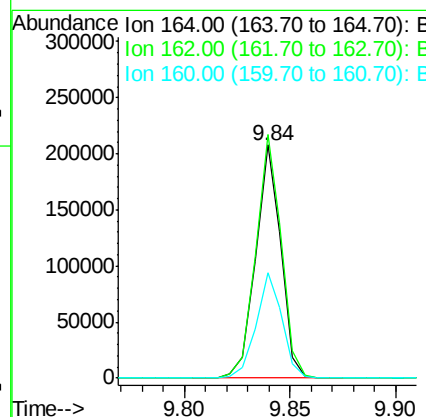
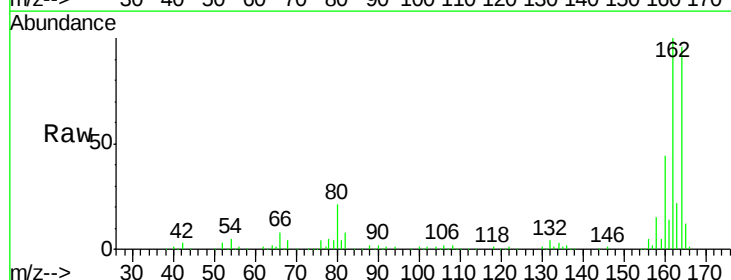
Manual Integrations  
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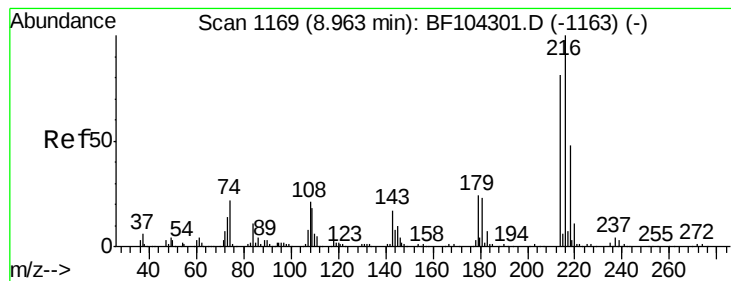
Sohil  
4/27/2018 7:30:26 PM



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.84 min Scan# 1318  
Delta R.T. -0.01 min  
Lab File: BF104876.D  
Acq: 27 Apr 2018 11:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 104.4 | 86.1  | 129.1 |
| 160     | 45.4  | 38.3  | 57.5  |





#39

1,2,4,5-Tetrachlorobenzene

Concen: 45.697 ng

RT: 8.96 min Scan# 1169

Delta R.T. -0.01 min

Lab File: BF104876.D

Acq: 27 Apr 2018 11:25

Instrument :

BNA\_F

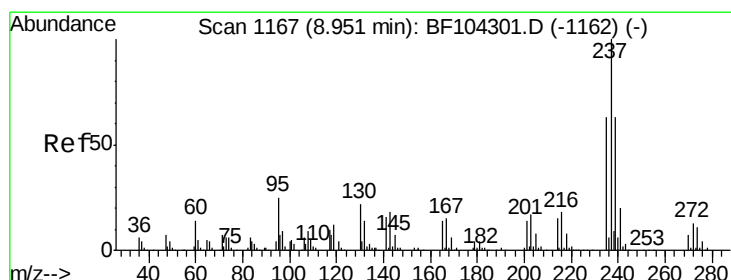
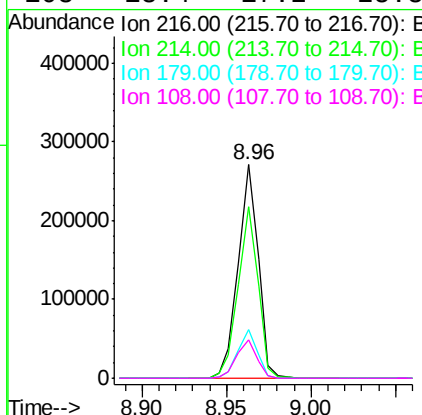
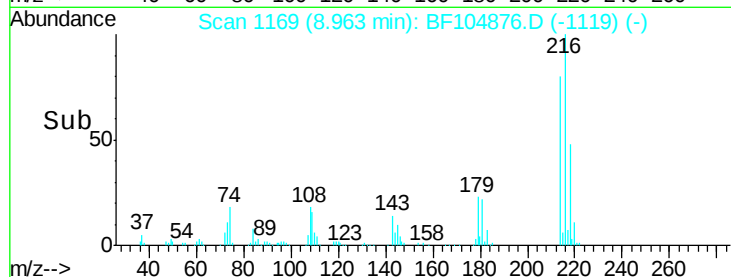
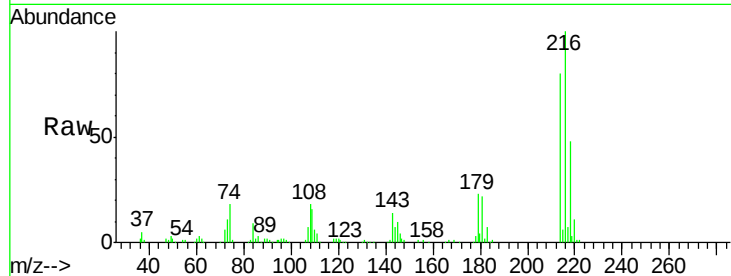
ClientSampleId :

PB108604BS

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 216     | 100  |       | 224127 |       |       |
| 214     | 79.7 |       | 63.0   | 94.4  |       |
| 179     | 22.5 |       | 18.1   | 27.1  |       |
| 108     | 18.4 |       | 17.2   | 25.8  |       |

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#40

Hexachlorocyclopentadiene

Concen: 4.735 ng

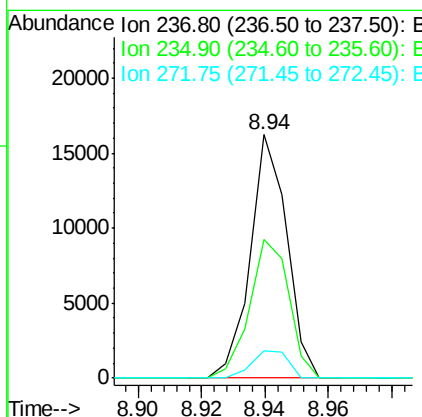
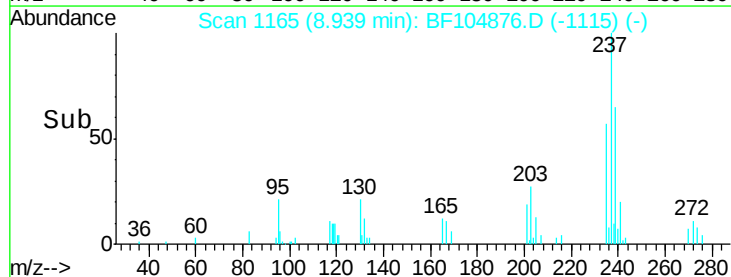
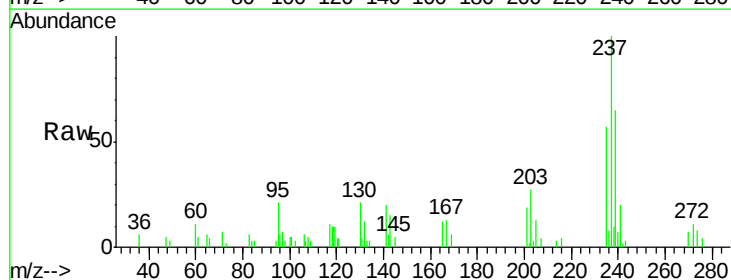
RT: 8.94 min Scan# 1165

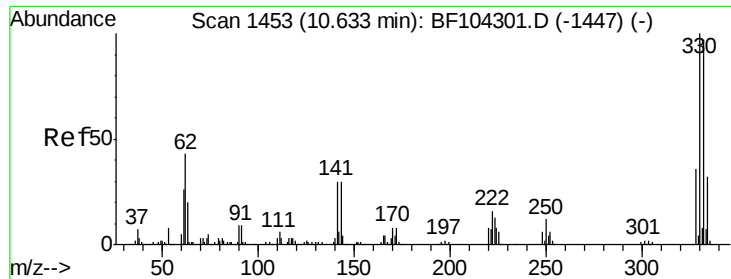
Delta R.T. -0.01 min

Lab File: BF104876.D

Acq: 27 Apr 2018 11:25

| Tgt Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 237     | 100  |       | 13002 |       |       |
| 235     | 57.0 |       | 44.8  | 84.8  |       |
| 272     | 11.4 |       | 0.0   | 33.3  |       |





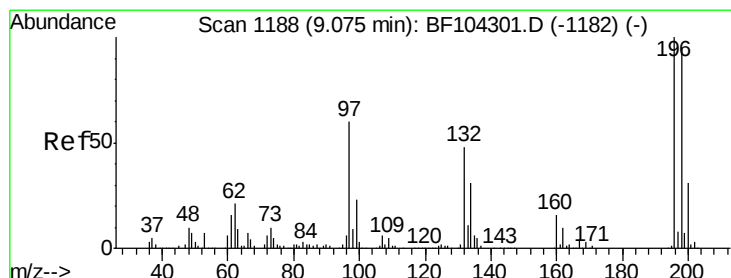
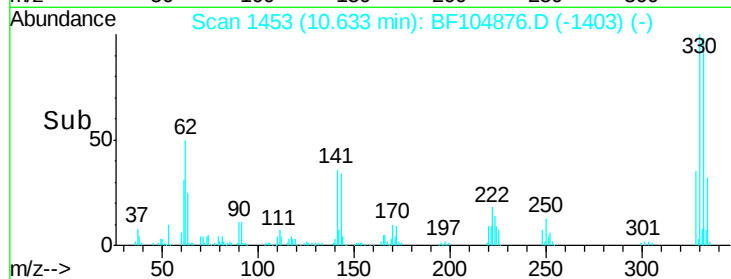
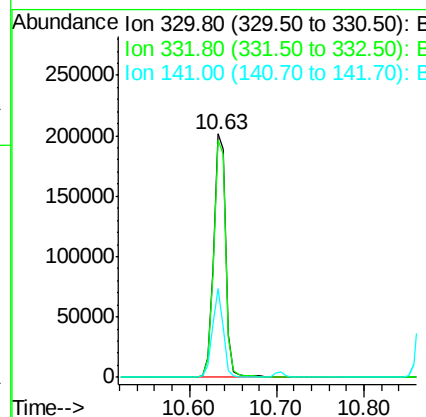
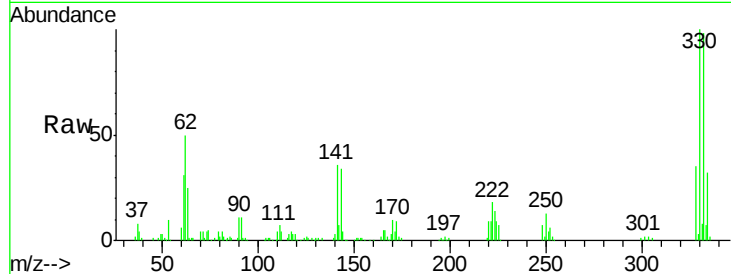
#41  
 2,4,6-Tribromophenol  
 Concen: 109.511 ng  
 RT: 10.63 min Scan# 1453  
 Delta R.T. -0.01 min  
 Lab File: BF104876.D  
 Acq: 27 Apr 2018 11:25

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB108604BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 330     | 100   | 194635 |       |       |
| 332     | 96.3  | 77.0   | 115.6 |       |
| 141     | 32.5  | 29.9   | 44.9  |       |

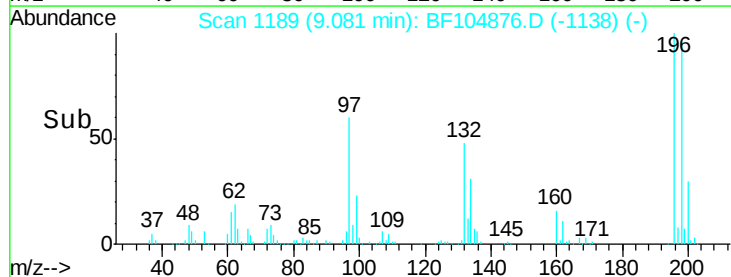
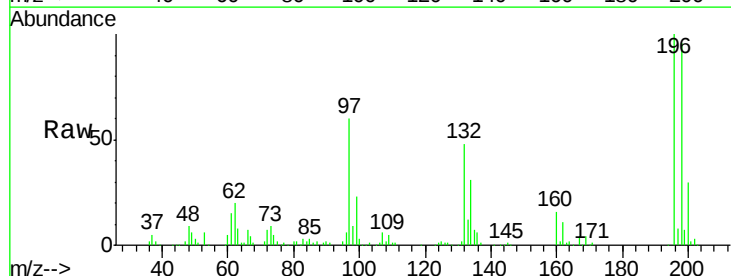
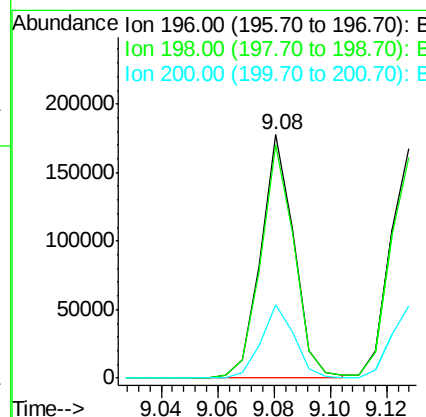
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#42  
 2,4,6-Trichlorophenol  
 Concen: 42.679 ng  
 RT: 9.08 min Scan# 1189  
 Delta R.T. -0.00 min  
 Lab File: BF104876.D  
 Acq: 27 Apr 2018 11:25

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 145308 |       |       |
| 198     | 95.8  | 75.7   | 113.5 |       |
| 200     | 30.0  | 24.5   | 36.7  |       |





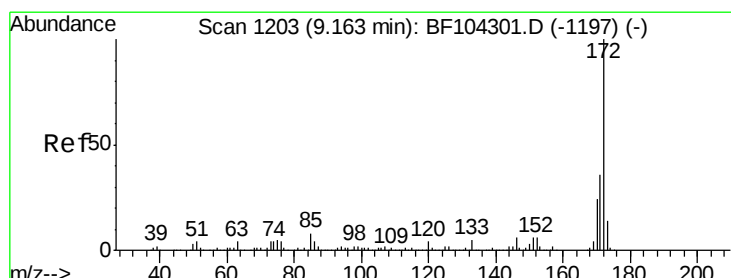
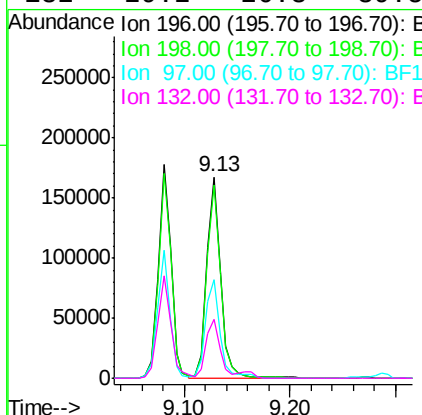
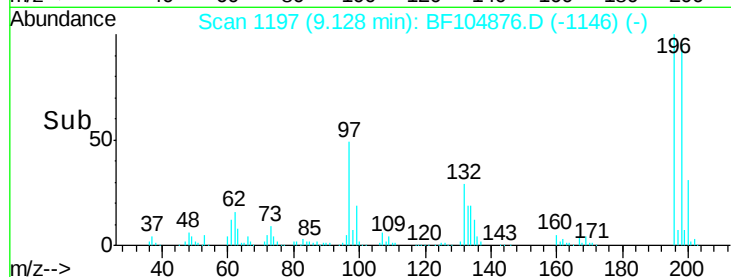
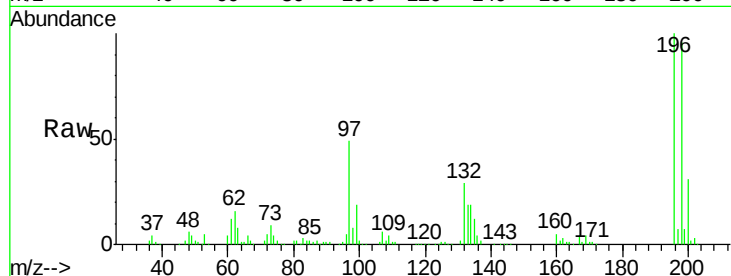
#43  
 2,4,5-Trichlorophenol  
 Concen: 40.673 ng  
 RT: 9.13 min Scan# 1197  
 Delta R.T. -0.00 min  
 Lab File: BF104876.D  
 Acq: 27 Apr 2018 11:25

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB108604BS

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 196     | 100  |       | 154962 |       |       |
| 198     | 95.9 | 74.6  | 112.0  |       |       |
| 97      | 48.7 | 42.9  | 64.3   |       |       |
| 132     | 29.2 | 26.3  | 39.5   |       |       |

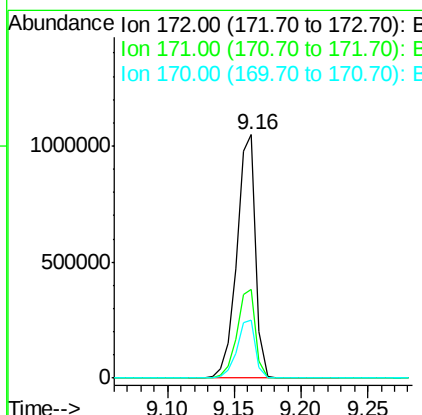
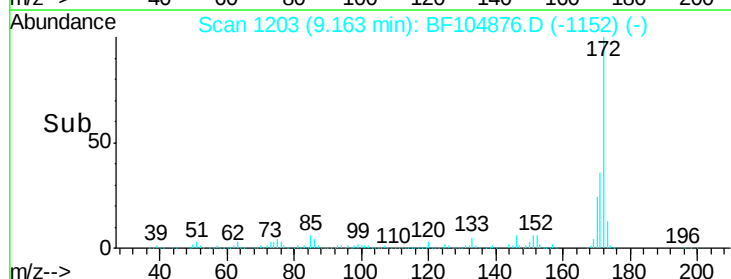
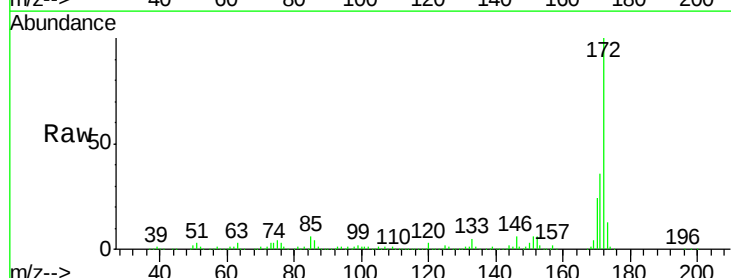
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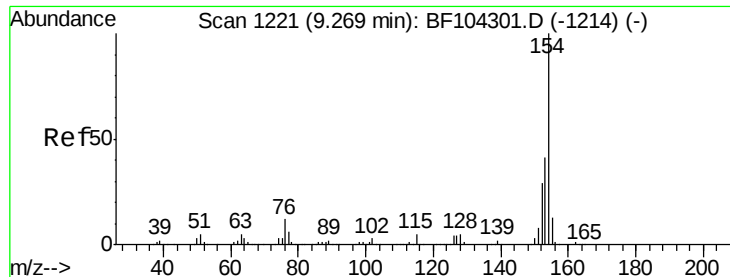
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#44  
 2-Fluorobiphenyl  
 Concen: 94.746 ng  
 RT: 9.16 min Scan# 1203  
 Delta R.T. -0.00 min  
 Lab File: BF104876.D  
 Acq: 27 Apr 2018 11:25

| Tgt Ion | Ion  | Ratio | Resp    | Lower | Upper |
|---------|------|-------|---------|-------|-------|
| 172     | 100  |       | 1027589 |       |       |
| 171     | 36.3 | 29.7  | 44.5    |       |       |
| 170     | 23.8 | 19.6  | 29.4    |       |       |





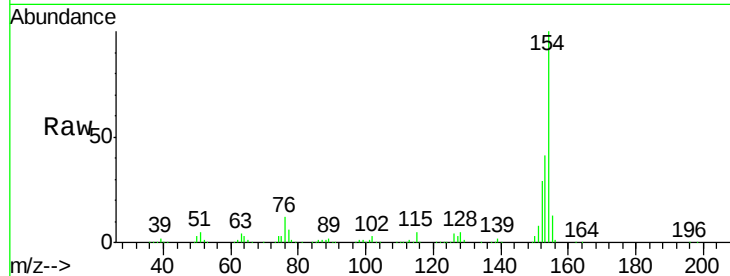
#45  
 1,1'-Biphenyl  
 Concen: 42.433 ng  
 RT: 9.26 min Scan# 1220  
 Delta R.T. -0.00 min  
 Lab File: BF104876.D  
 Acq: 27 Apr 2018 11:25

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB108604BS

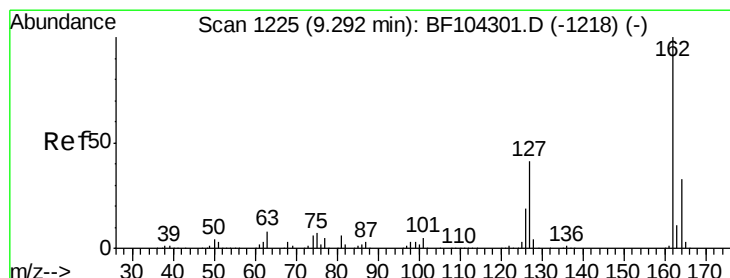
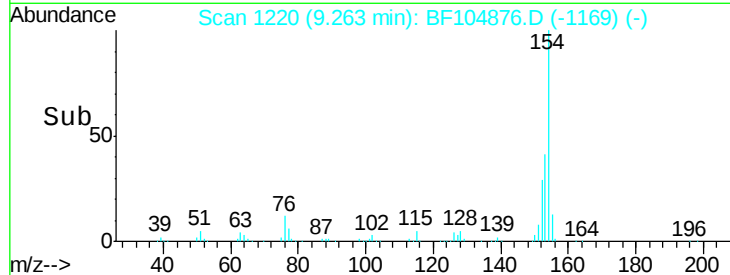
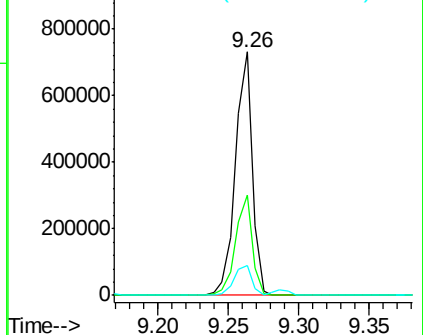
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 154   | Resp: | 610748 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 41.0  | 21.3  | 61.3   |
| 76        | 12.0  | 0.0   | 34.0   |

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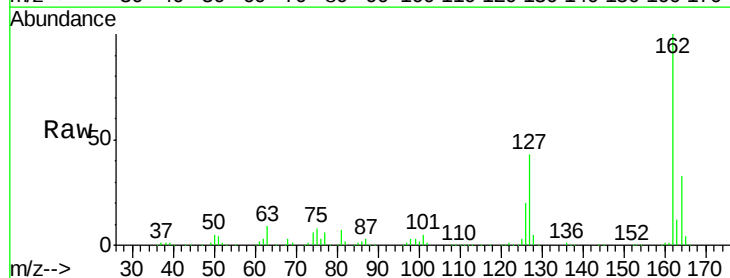


Abundance Ion 154.00 (153.70 to 154.70): E  
 Ion 153.00 (152.70 to 153.70): E  
 Ion 76.00 (75.70 to 76.70): BF1

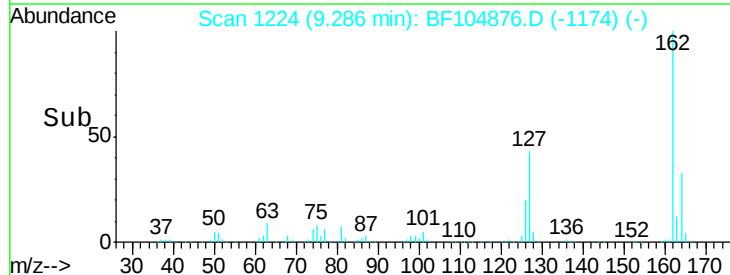
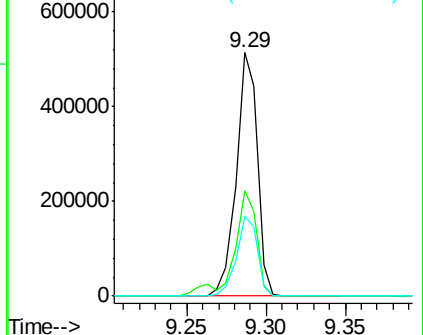


#46  
 2-Chloronaphthalene  
 Concen: 41.509 ng  
 RT: 9.29 min Scan# 1224  
 Delta R.T. -0.01 min  
 Lab File: BF104876.D  
 Acq: 27 Apr 2018 11:25

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 162   | Resp: | 471911 |
| Ion Ratio | Lower | Upper |        |
| 162       | 100   |       |        |
| 127       | 43.5  | 33.9  | 50.9   |
| 164       | 32.6  | 26.5  | 39.7   |



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





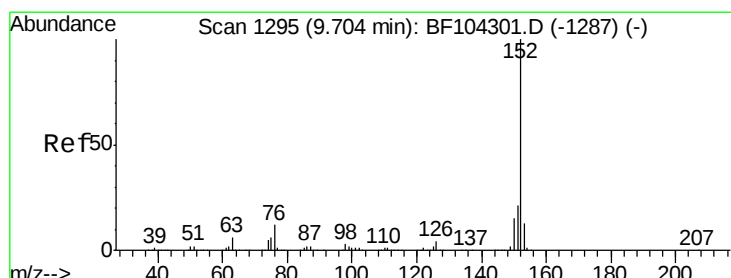
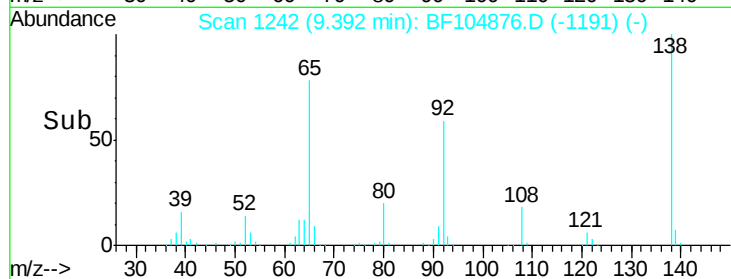
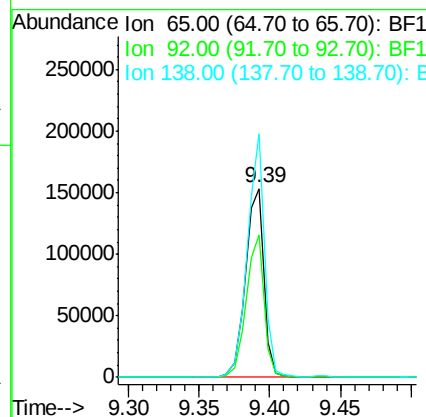
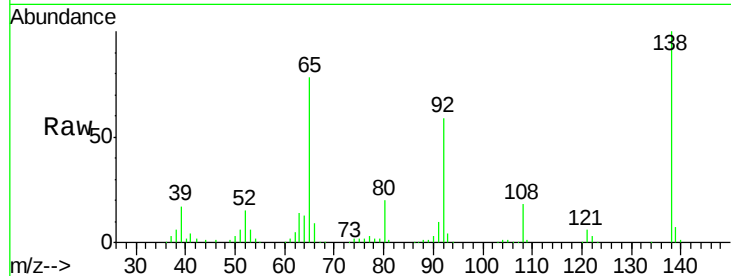
#47  
 2-Nitroaniline  
 Concen: 49.641 ng  
 RT: 9.39 min Scan# 1242  
 Delta R.T. -0.00 min  
 Lab File: BF104876.D  
 Acq: 27 Apr 2018 11:25

Instrument :  
 BNA\_F  
 ClientSampleID :  
 PB108604BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 75.6  | 55.8  | 83.6  |
| 138     | 129.0 | 91.2  | 136.8 |

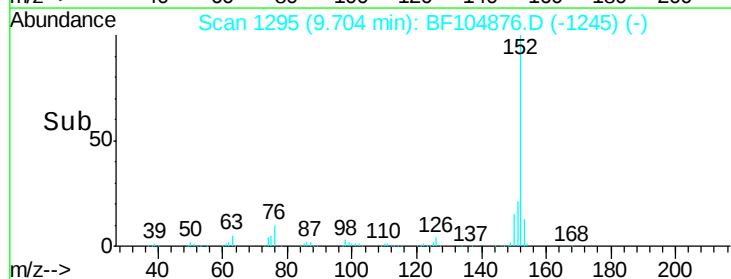
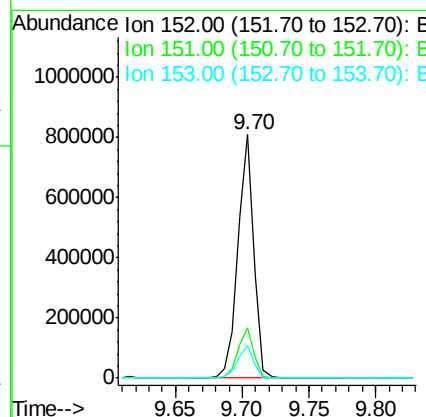
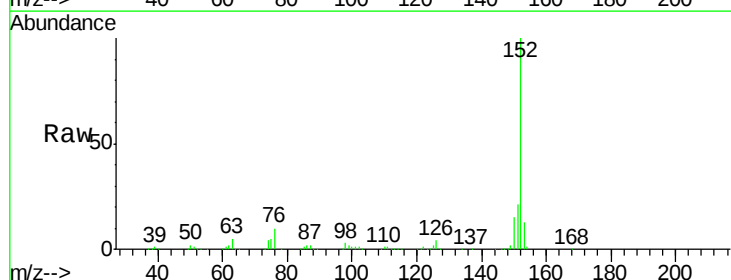
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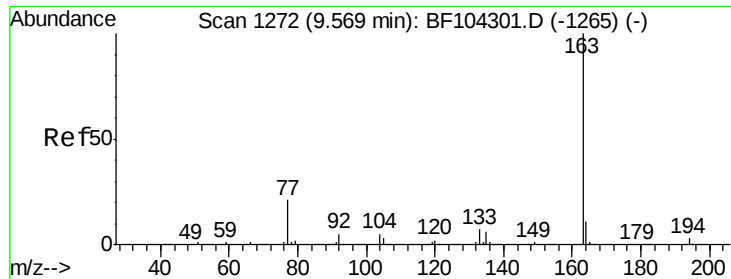
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#48  
 Acenaphthylene  
 Concen: 38.123 ng  
 RT: 9.70 min Scan# 1295  
 Delta R.T. -0.01 min  
 Lab File: BF104876.D  
 Acq: 27 Apr 2018 11:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 20.8  | 16.3  | 24.5  |
| 153     | 13.1  | 10.7  | 16.1  |





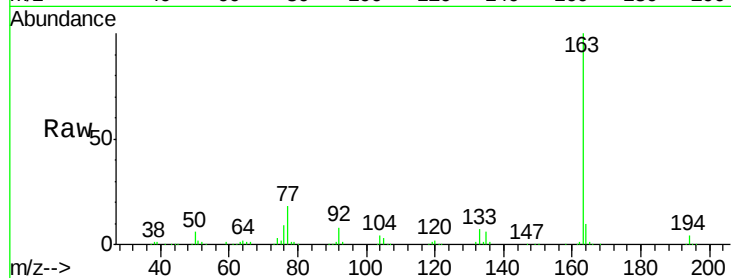
#49  
Dimethylphthalate  
Concen: 42.094 ng  
RT: 9.56 min Scan# 1271  
Delta R.T. -0.01 min  
Lab File: BF104876.D  
Acq: 27 Apr 2018 11:25

Instrument :  
BNA\_F  
ClientSampleId :  
PB108604BS

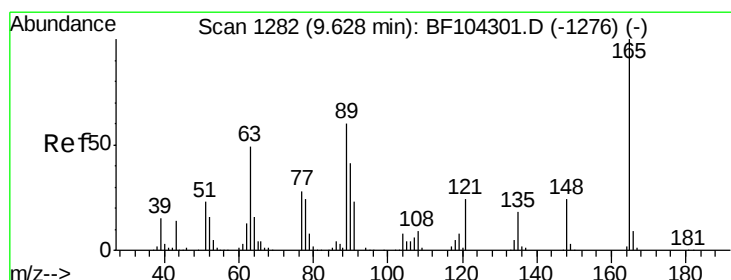
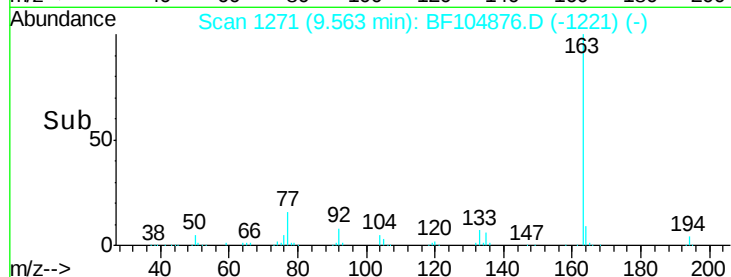
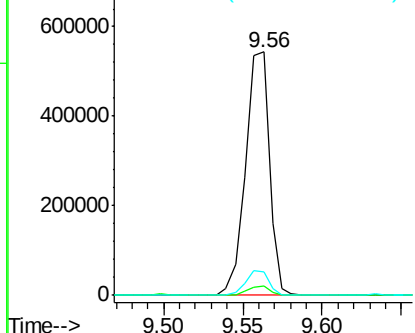
| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 163     | 100   |      |       |       |
| 194     | 3.6   | 2.7  | 4.1   |       |
| 164     | 9.9   | 8.2  | 12.2  |       |

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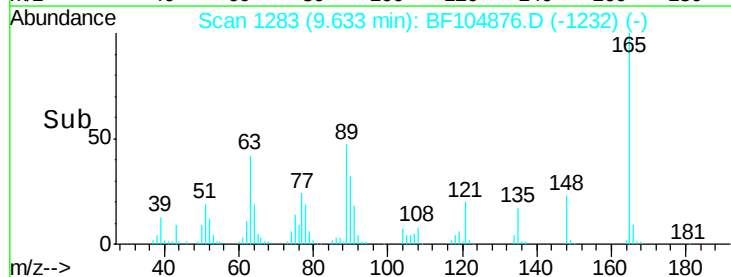
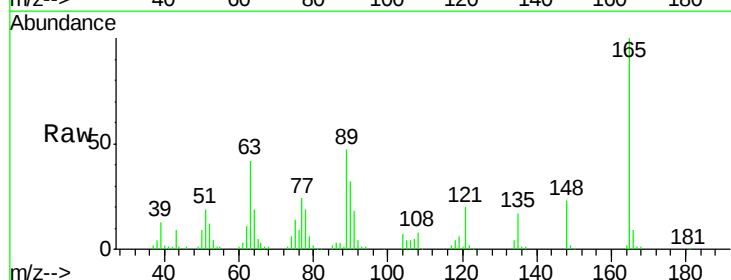
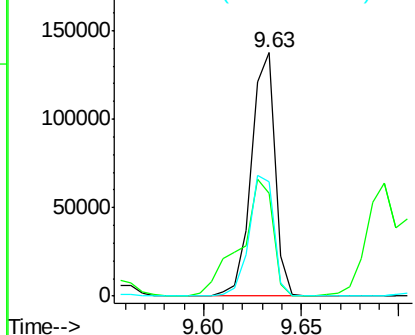
Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

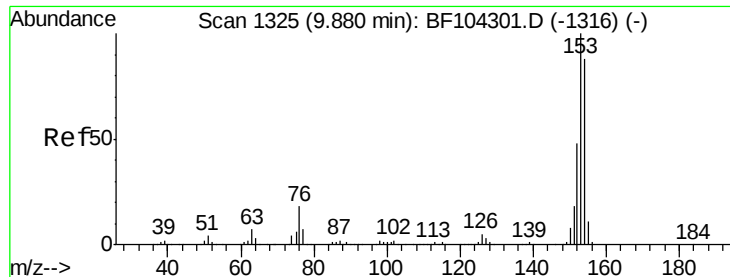


#50  
2,6-Dinitrotoluene  
Concen: 46.468 ng  
RT: 9.63 min Scan# 1283  
Delta R.T. -0.00 min  
Lab File: BF104876.D  
Acq: 27 Apr 2018 11:25

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 165     | 100   |      |       |       |
| 63      | 42.2  | 44.7 | 67.1# |       |
| 89      | 46.9  | 44.0 | 66.0  |       |

Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 89.00 (88.70 to 89.70): BF1





#51

Acenaphthene

Concen: 36.482 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BF104876.D

Acq: 27 Apr 2018 11:25

Instrument :

BNA\_F

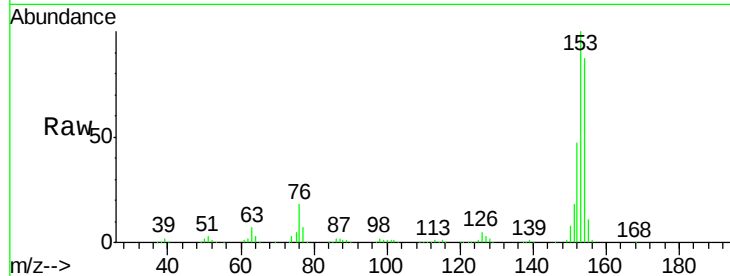
ClientSampleId :

PB108604BS

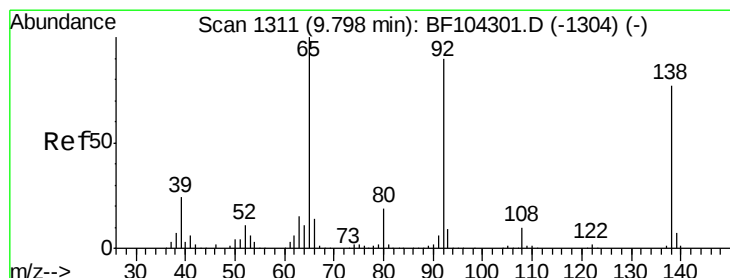
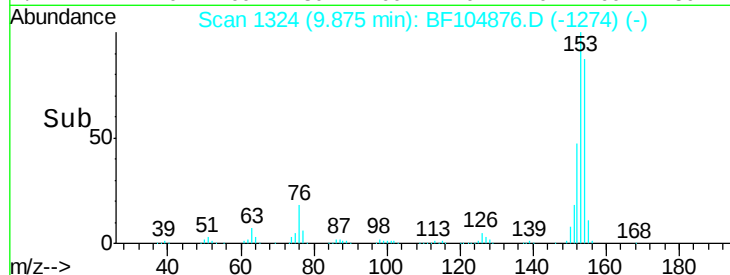
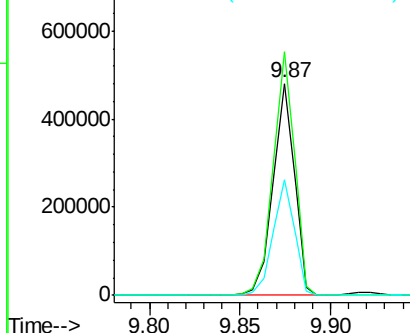
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 154   | Resp: | 397040 |
| Ion      | Ratio | Lower | Upper  |
| 154      | 100   |       |        |
| 153      | 114.8 | 91.2  | 136.8  |
| 152      | 54.3  | 43.8  | 65.8   |

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Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 26.204 ng

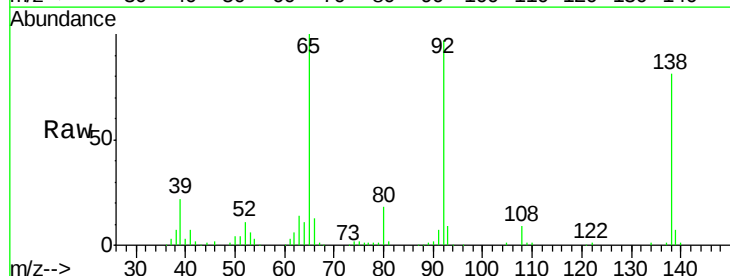
RT: 9.80 min Scan# 1311

Delta R.T. -0.01 min

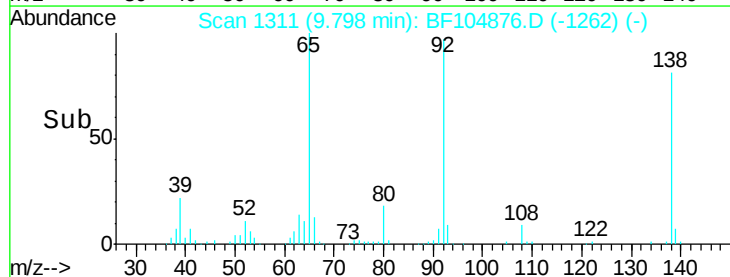
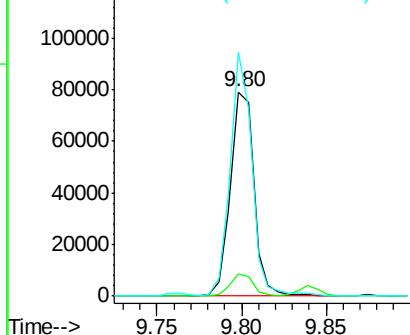
Lab File: BF104876.D

Acq: 27 Apr 2018 11:25

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 138   | Resp: | 76695 |
| Ion      | Ratio | Lower | Upper |
| 138      | 100   |       |       |
| 108      | 10.8  | 9.4   | 14.0  |
| 92       | 119.2 | 89.4  | 134.2 |



Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 92.00 (91.70 to 92.70): BF1





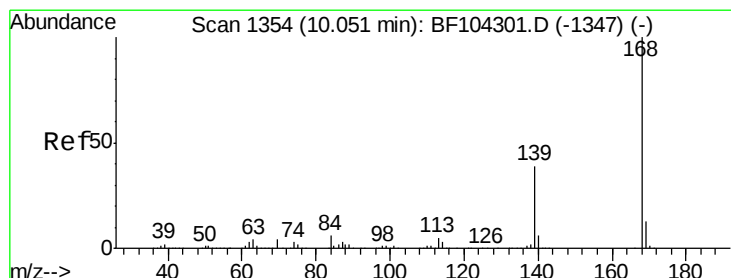
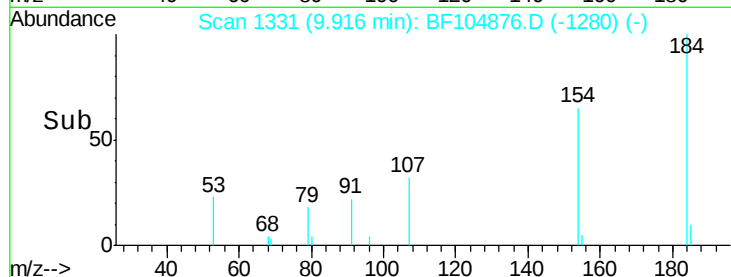
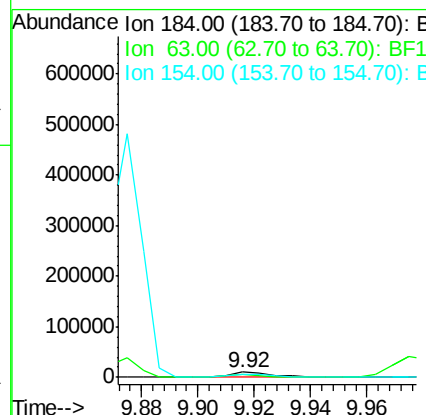
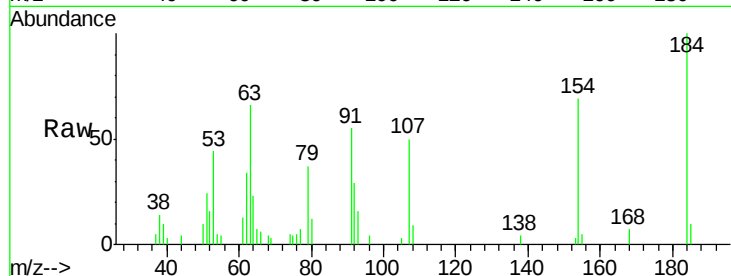
#53  
 2,4-Dinitrophenol  
 Concen: 19.445 ng  
 RT: 9.92 min Scan# 1331  
 Delta R.T. -0.00 min  
 Lab File: BF104876.D  
 Acq: 27 Apr 2018 11:25

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB108604BS

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 184     | 100   |       |       |       |
| 63      | 66.5  | 54.2  | 81.2  |       |
| 154     | 69.0  | 184.0 | 276.0 |       |

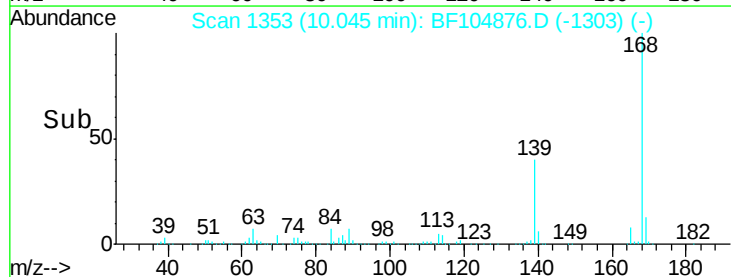
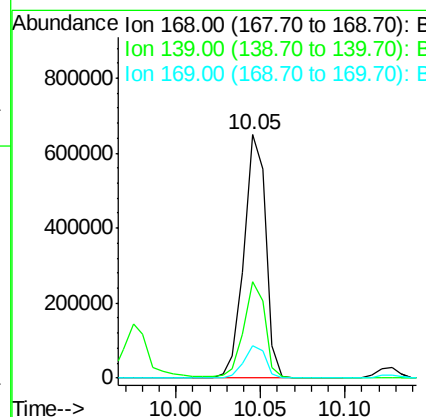
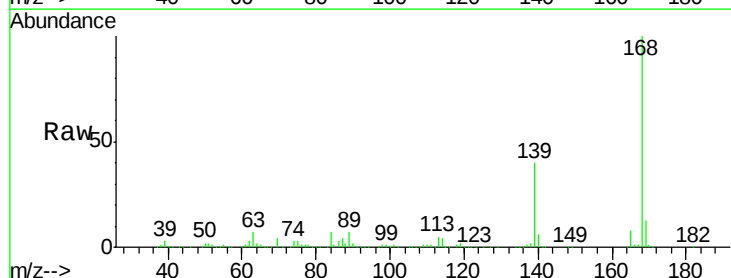
Manual Integrations  
 APPROVED

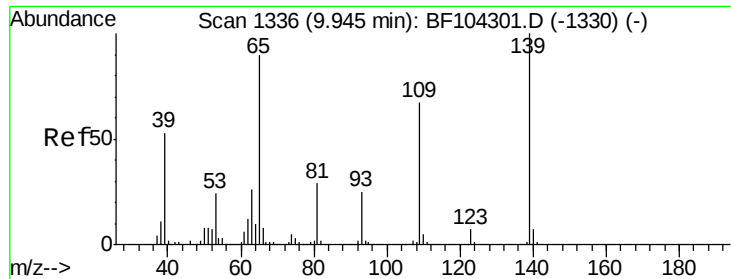
Sohil  
 4/27/2018 7:30:26 PM



#54  
 Dibenzofuran  
 Concen: 38.492 ng  
 RT: 10.05 min Scan# 1353  
 Delta R.T. -0.01 min  
 Lab File: BF104876.D  
 Acq: 27 Apr 2018 11:25

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 168     | 100   |      |       |       |
| 139     | 39.6  | 30.1 | 45.1  |       |
| 169     | 13.4  | 10.9 | 16.3  |       |





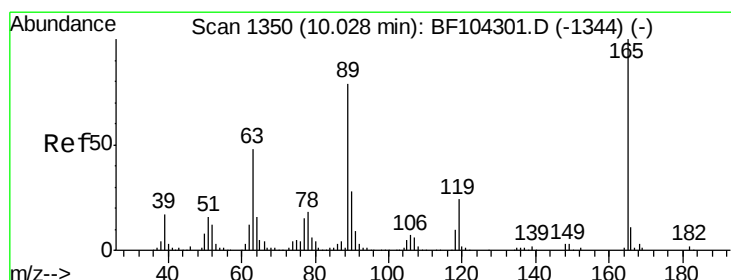
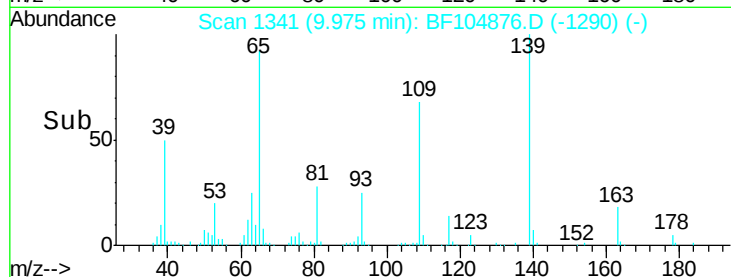
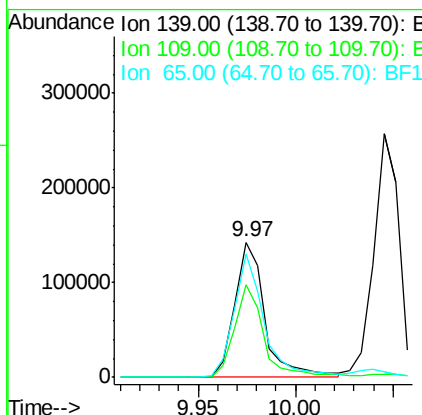
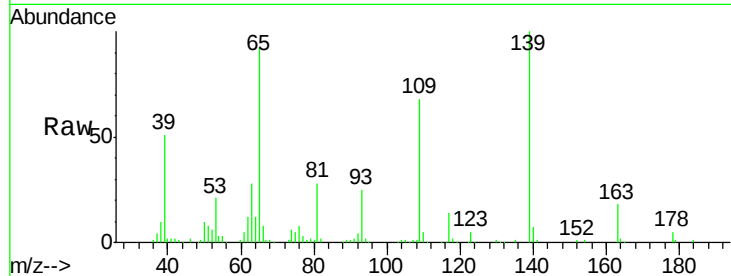
#55  
4-Nitrophenol  
Concen: 66.650 ng  
RT: 9.97 min Scan# 1341  
Delta R.T. -0.00 min  
Lab File: BF104876.D  
Acq: 27 Apr 2018 11:25

Instrument :  
BNA\_F  
ClientSampleId :  
PB108604BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 139     | 100   | 153237 |       |       |
| 109     | 68.1  | 48.4   | 88.4  |       |
| 65      | 91.5  | 72.6   | 112.6 |       |

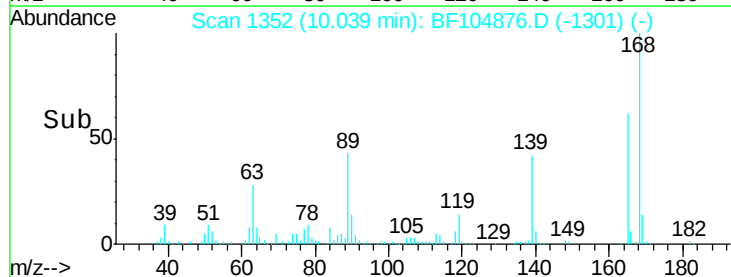
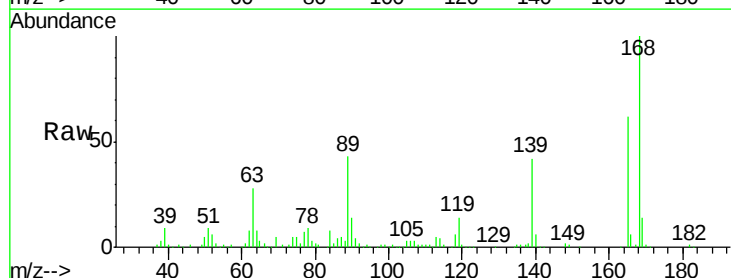
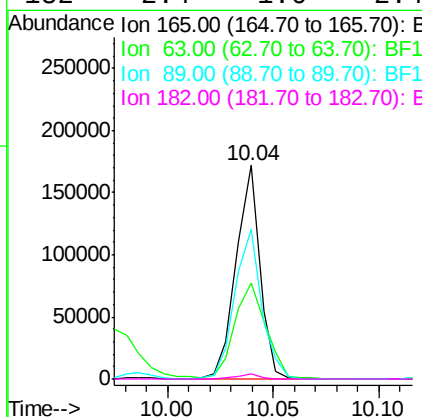
Manual Integrations  
APPROVED

Sohil  
4/27/2018 7:30:26 PM



#56  
2,4-Dinitrotoluene  
Concen: 40.939 ng  
RT: 10.04 min Scan# 1352  
Delta R.T. -0.00 min  
Lab File: BF104876.D  
Acq: 27 Apr 2018 11:25

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 165     | 100   | 134255 |       |       |
| 63      | 45.1  | 36.4   | 54.6  |       |
| 89      | 70.2  | 57.8   | 86.6  |       |
| 182     | 2.4   | 1.6    | 2.4   |       |





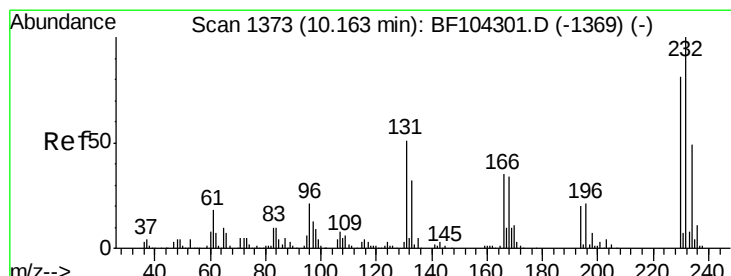
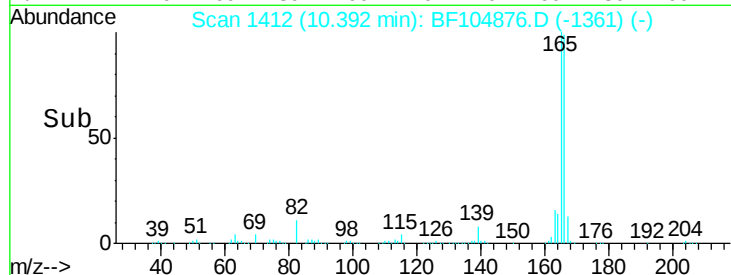
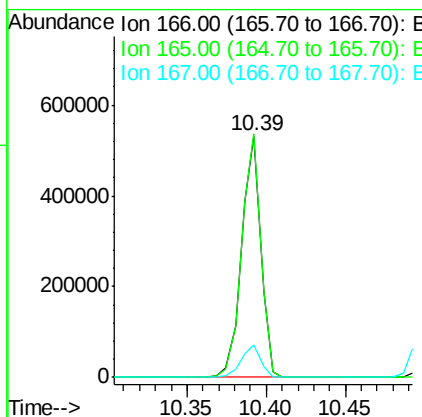
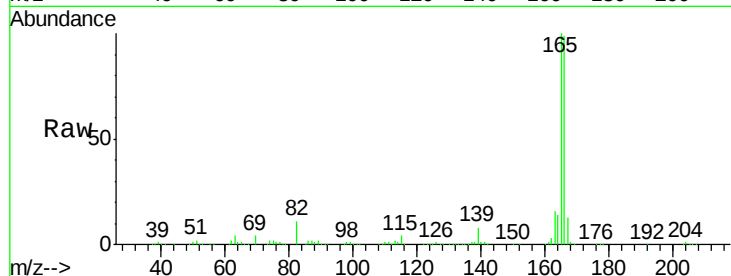
#57  
 Fluorene  
 Concen: 40.269 ng  
 RT: 10.39 min Scan# 1412  
 Delta R.T. -0.00 min  
 Lab File: BF104876.D  
 Acq: 27 Apr 2018 11:25

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB108604BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 166     | 100   |      |       |       |
| 165     | 101.0 | 79.8 | 119.8 |       |
| 167     | 13.4  | 10.6 | 16.0  |       |

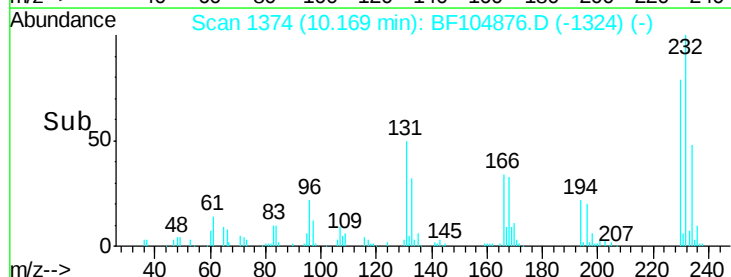
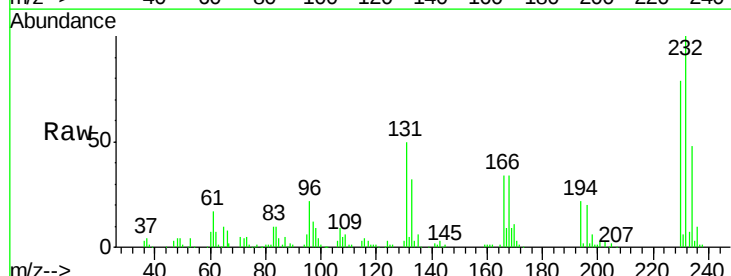
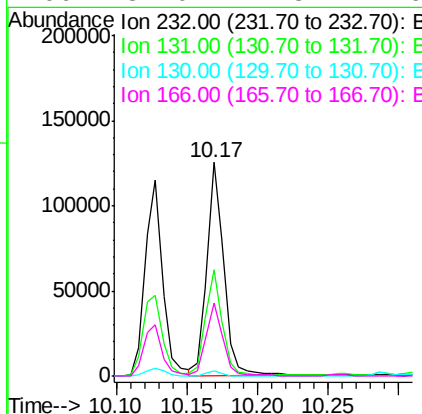
Manual Integrations  
 APPROVED

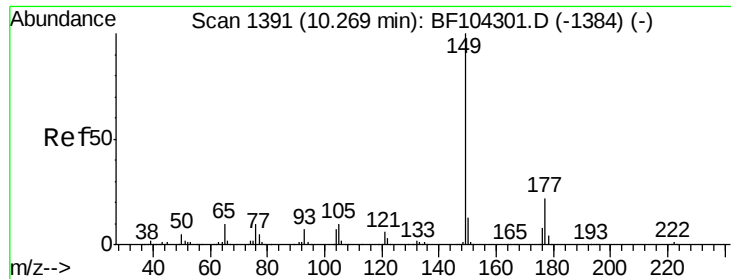
Sohil  
 4/27/2018 7:30:26 PM



#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 37.032 ng  
 RT: 10.17 min Scan# 1374  
 Delta R.T. -0.01 min  
 Lab File: BF104876.D  
 Acq: 27 Apr 2018 11:25

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 232     | 100   |      |       |       |
| 131     | 49.2  | 43.8 | 65.8  |       |
| 130     | 2.3   | 2.1  | 3.1   |       |
| 166     | 34.0  | 27.8 | 41.6  |       |





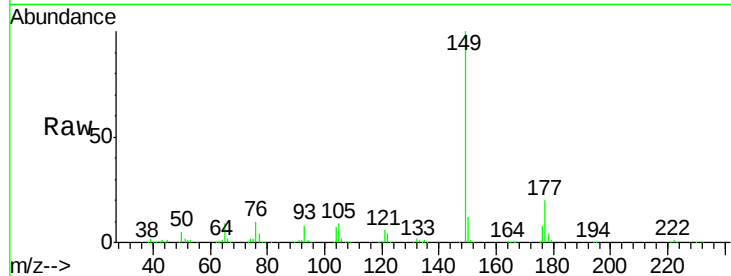
#59  
Diethylphthalate  
Concen: 38.917 ng  
RT: 10.26 min Scan# 1389  
Delta R.T. -0.01 min  
Lab File: BF104876.D  
Acq: 27 Apr 2018 11:25

Instrument :  
BNA\_F  
ClientSampled :  
PB108604BS

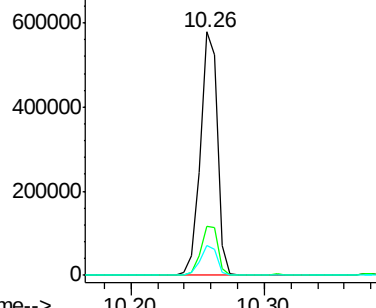
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 20.4  | 16.1  | 24.1  |
| 150     | 12.4  | 10.1  | 15.1  |

Manual Integrations  
APPROVED

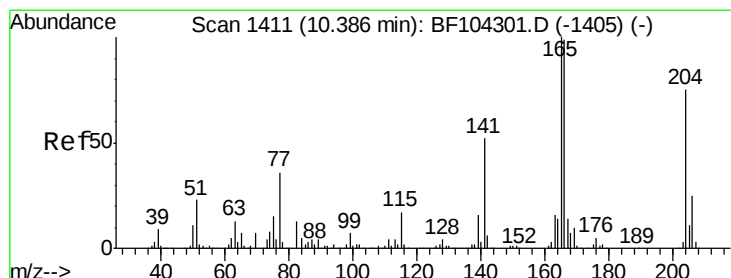
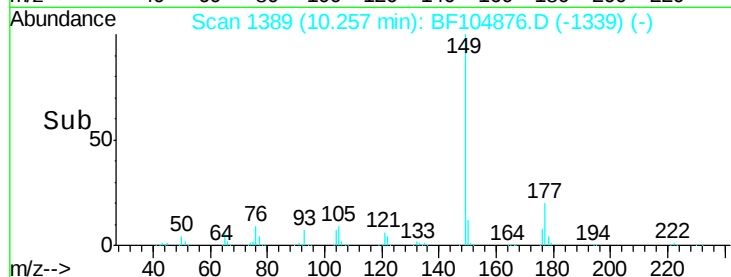
Sohil  
4/27/2018 7:30:26 PM



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

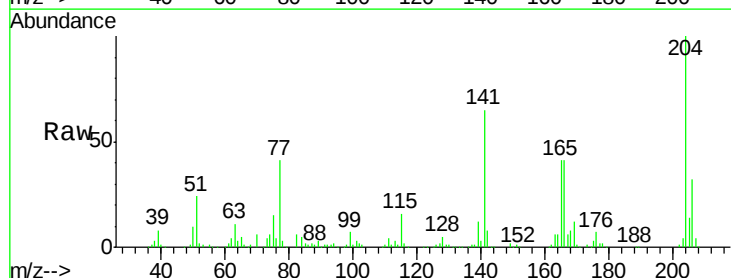


Time-->

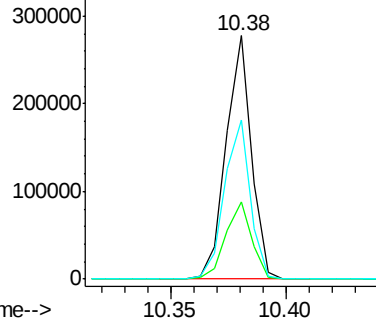


#60  
4-Chlorophenyl-phenylether  
Concen: 43.371 ng  
RT: 10.38 min Scan# 1410  
Delta R.T. -0.01 min  
Lab File: BF104876.D  
Acq: 27 Apr 2018 11:25

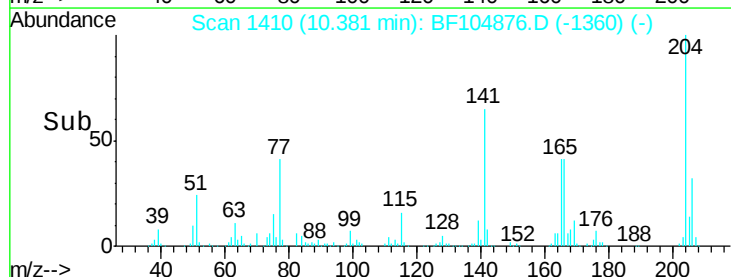
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 31.9  | 26.5  | 39.7  |
| 141     | 65.3  | 54.6  | 81.8  |



Abundance Ion 204.00 (203.70 to 204.70): E  
Ion 206.00 (205.70 to 206.70): E  
Ion 141.00 (140.70 to 141.70): E



Time-->





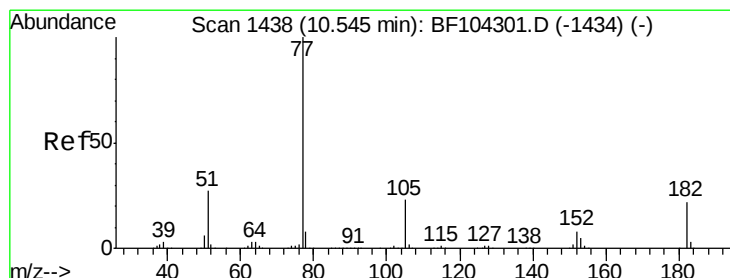
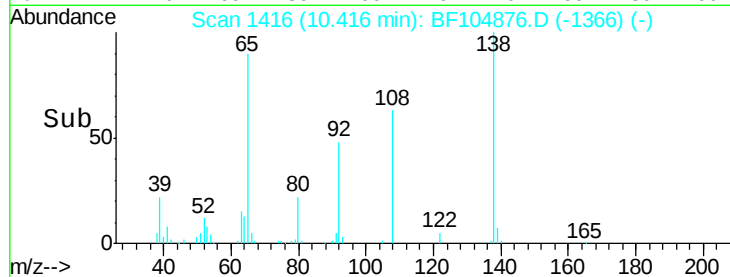
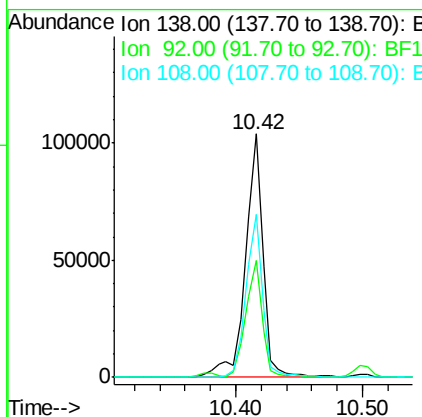
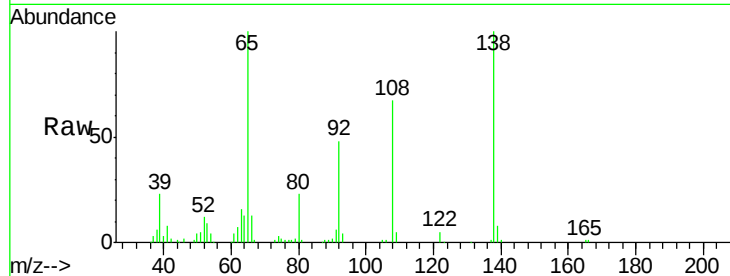
#61  
4-Nitroaniline  
Concen: 35.039 ng  
RT: 10.42 min Scan# 1416  
Delta R.T. -0.01 min  
Lab File: BF104876.D  
Acq: 27 Apr 2018 11:25

Instrument :  
BNA\_F  
ClientSampled :  
PB108604BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 47.9  | 30.2  | 70.2  |
| 108     | 67.2  | 52.5  | 92.5  |

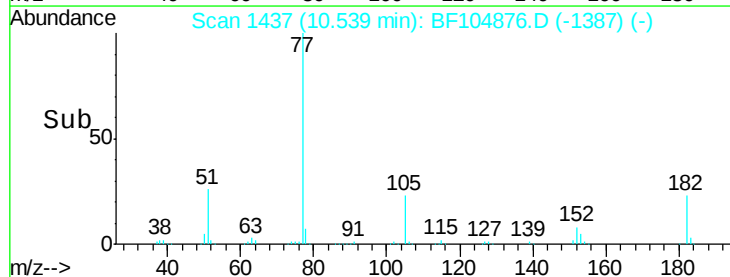
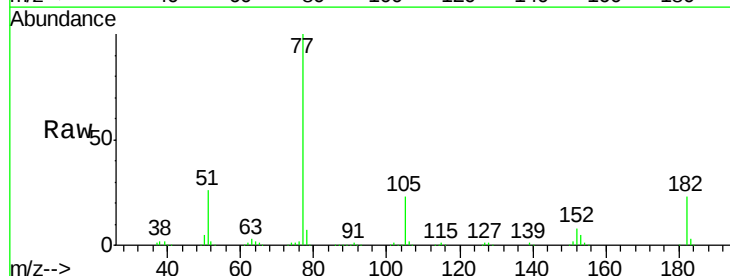
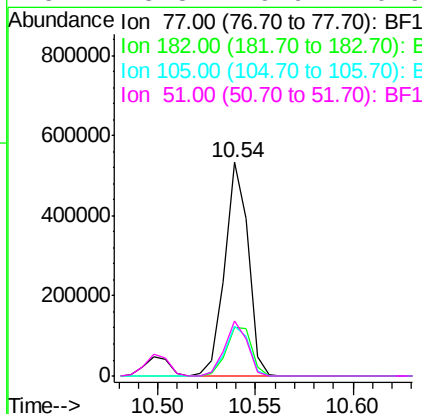
Manual Integrations  
APPROVED

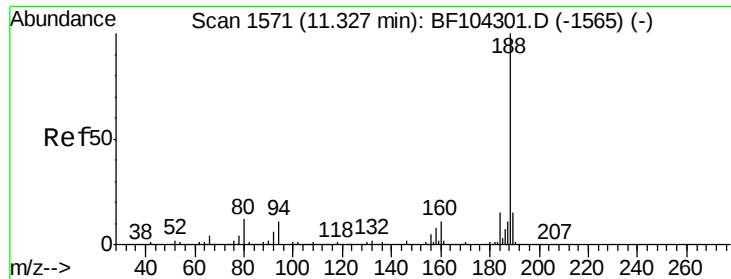
Sohil  
4/27/2018 7:30:26 PM



#62  
Azobenzene  
Concen: 34.461 ng  
RT: 10.54 min Scan# 1437  
Delta R.T. -0.01 min  
Lab File: BF104876.D  
Acq: 27 Apr 2018 11:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 182     | 22.8  | 1.7   | 41.7  |
| 105     | 23.3  | 3.0   | 43.0  |
| 51      | 25.8  | 9.9   | 49.9  |





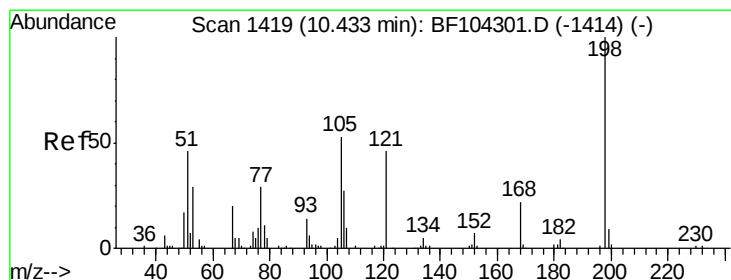
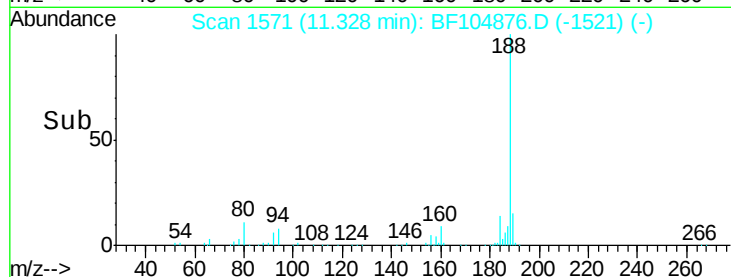
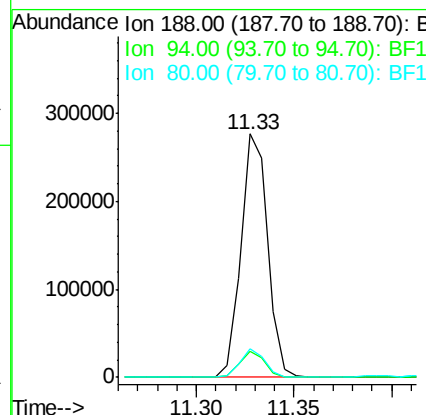
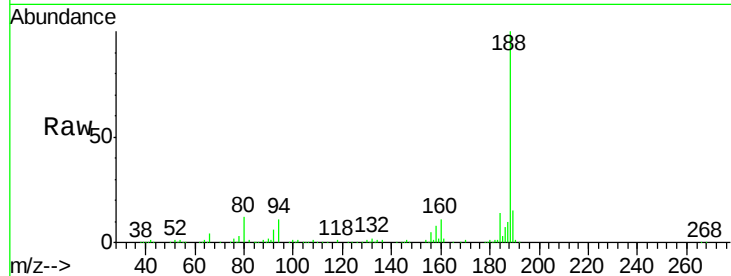
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.33 min Scan# 1571  
Delta R.T. -0.01 min  
Lab File: BF104876.D  
Acq: 27 Apr 2018 11:25

Instrument :  
BNA\_F  
ClientSampleId :  
PB108604BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 188     | 100   | 261347 |       |       |
| 94      | 10.7  |        | 8.5   | 12.7  |
| 80      | 11.7  |        | 9.2   | 13.8  |

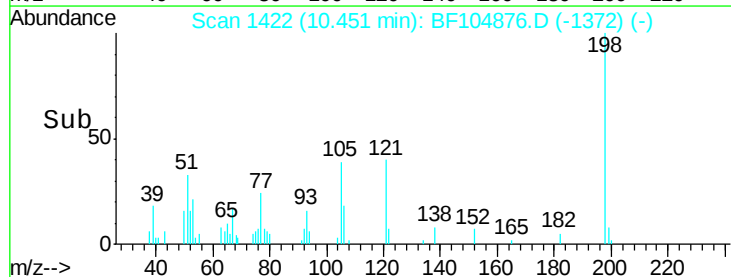
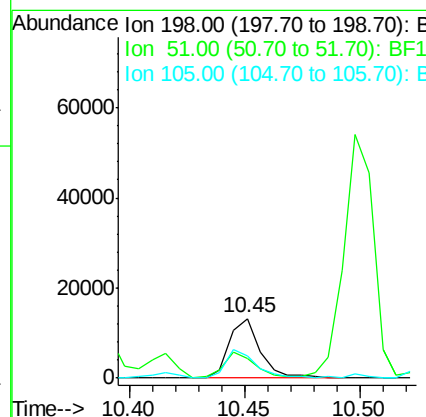
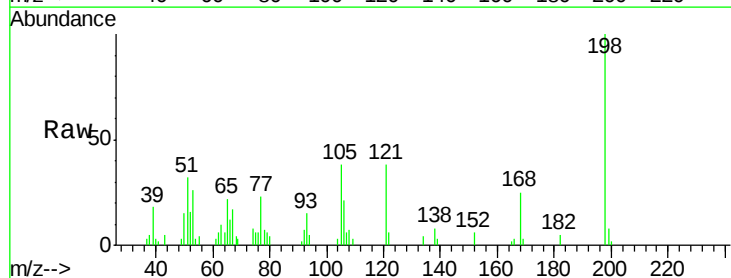
Manual Integrations  
APPROVED

Sohil  
4/27/2018 7:30:26 PM



#64  
4,6-Dinitro-2-methylphenol  
Concen: 15.520 ng  
RT: 10.45 min Scan# 1422  
Delta R.T. -0.01 min  
Lab File: BF104876.D  
Acq: 27 Apr 2018 11:25

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 198     | 100   | 12283 |       |       |
| 51      | 32.0  |       | 37.7  | 77.7# |
| 105     | 37.7  |       | 36.3  | 76.3  |





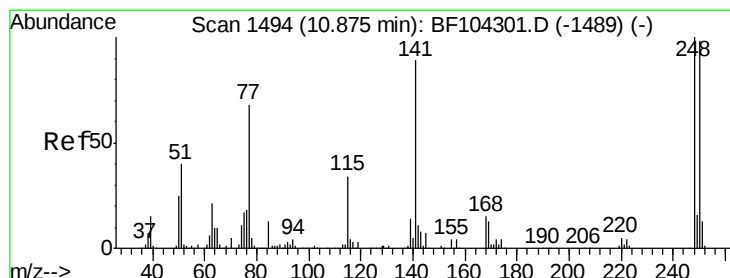
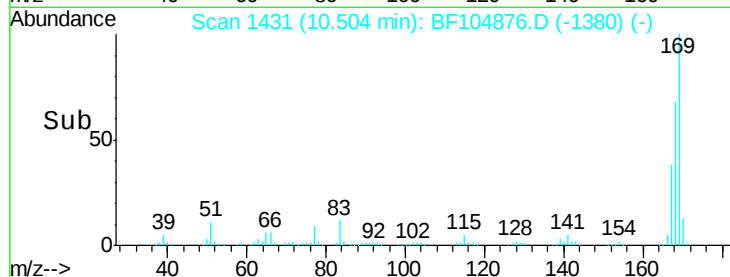
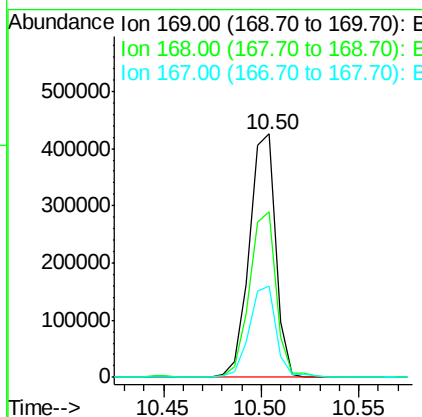
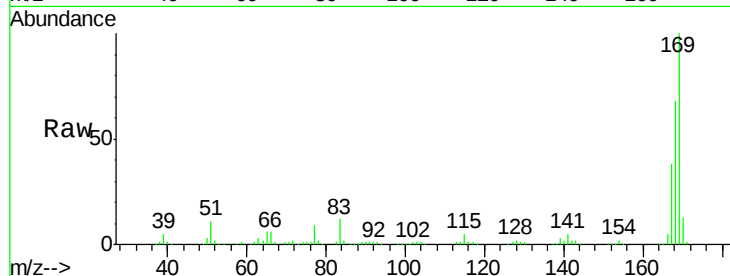
#65  
 n-Nitrosodiphenylamine  
 Concen: 44.004 ng  
 RT: 10.50 min Scan# 1431  
 Delta R.T. -0.00 min  
 Lab File: BF104876.D  
 Acq: 27 Apr 2018 11:25

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB108604BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 169     | 100   | 398742 |       |       |
| 168     | 68.2  | 54.4   | 81.6  |       |
| 167     | 37.6  | 29.8   | 44.6  |       |

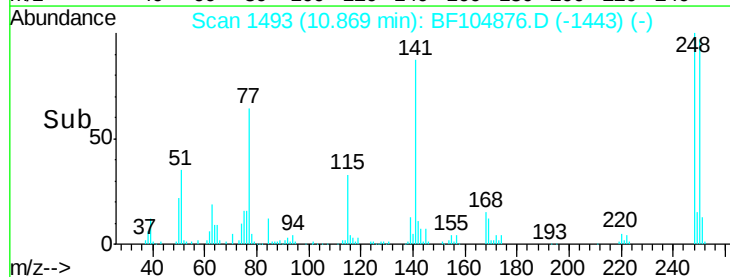
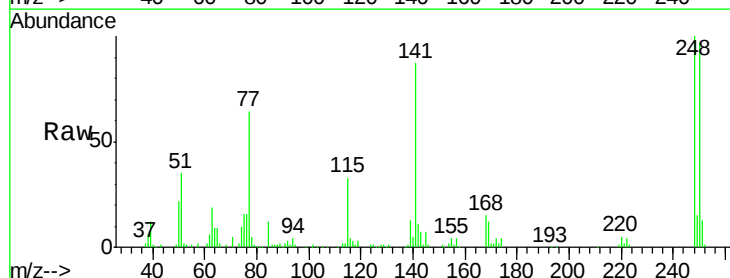
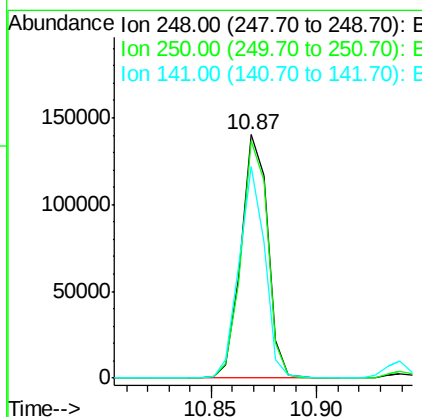
Manual Integrations  
 APPROVED

Sohil  
 4/27/2018 7:30:26 PM



#66  
 4-Bromophenyl-phenylether  
 Concen: 44.124 ng  
 RT: 10.87 min Scan# 1493  
 Delta R.T. -0.01 min  
 Lab File: BF104876.D  
 Acq: 27 Apr 2018 11:25

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 248     | 100   | 122659 |       |       |
| 250     | 97.5  | 76.9   | 115.3 |       |
| 141     | 86.8  | 74.4   | 111.6 |       |





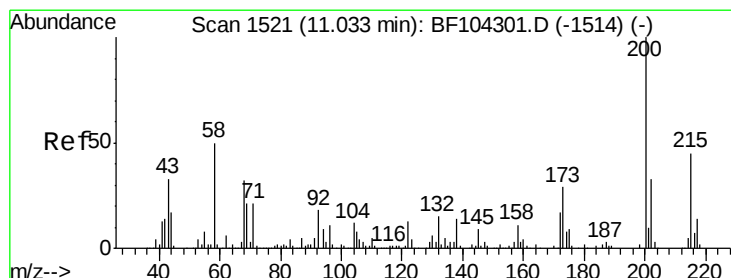
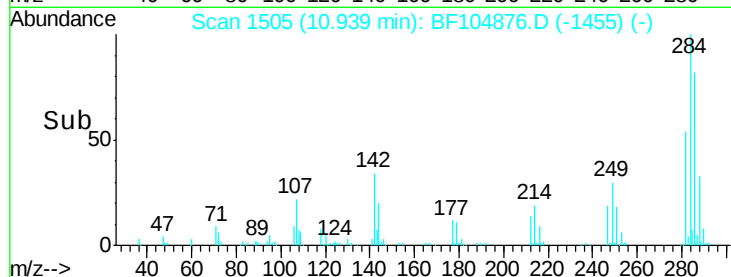
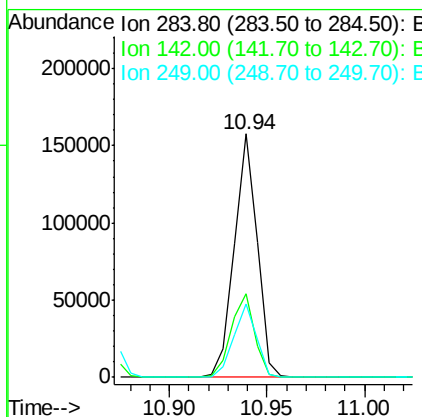
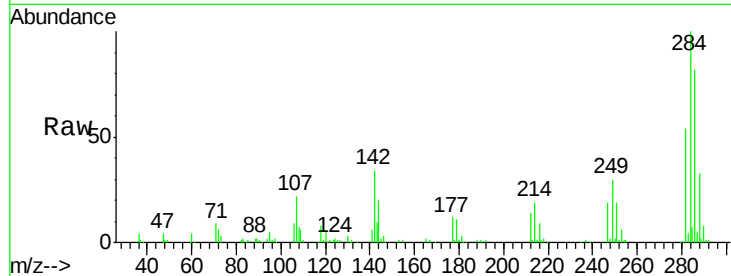
#67  
Hexachlorobenzene  
Concen: 41.069 ng  
RT: 10.94 min Scan# 1505  
Delta R.T. -0.01 min  
Lab File: BF104876.D  
Acq: 27 Apr 2018 11:25

Instrument :  
BNA\_F  
ClientSampleId :  
PB108604BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 284     | 100   | 128463 |       |       |
| 142     | 34.5  | 34.6   | 52.0# |       |
| 249     | 30.3  | 24.8   | 37.2  |       |

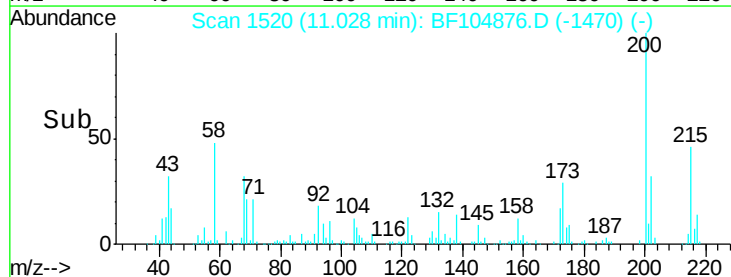
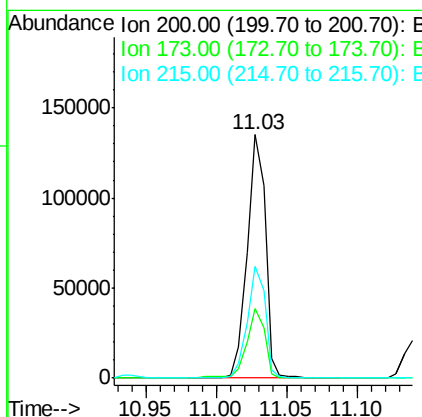
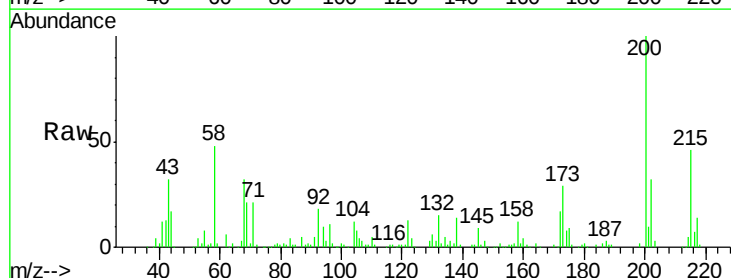
Manual Integrations  
APPROVED

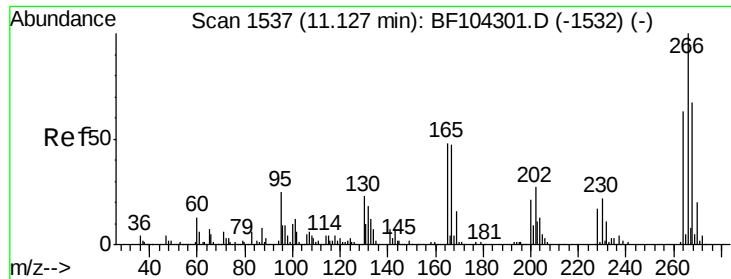
Sohil  
4/27/2018 7:30:26 PM



#68  
Atrazine  
Concen: 44.814 ng  
RT: 11.03 min Scan# 1520  
Delta R.T. -0.01 min  
Lab File: BF104876.D  
Acq: 27 Apr 2018 11:25

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 200     | 100   | 122575 |       |       |
| 173     | 28.6  | 8.6    | 48.6  |       |
| 215     | 45.8  | 25.1   | 65.1  |       |





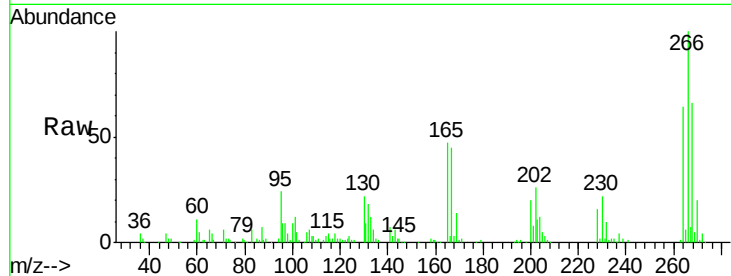
#69  
 Pentachlorophenol  
 Concen: 54.442 ng  
 RT: 11.14 min Scan# 1539  
 Delta R.T. -0.01 min  
 Lab File: BF104876.D  
 Acq: 27 Apr 2018 11:25

Instrument :  
 BNA\_F  
 ClientSampled :  
 PB108604BS

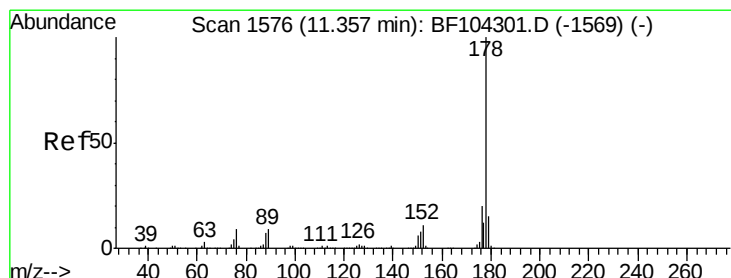
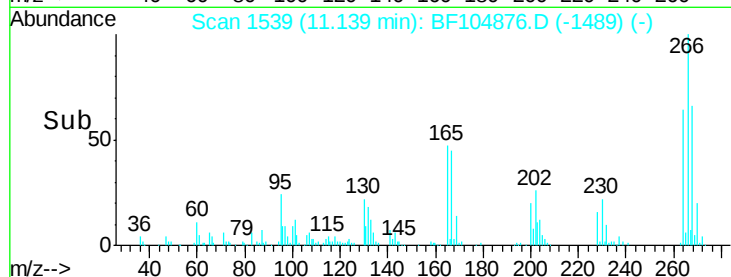
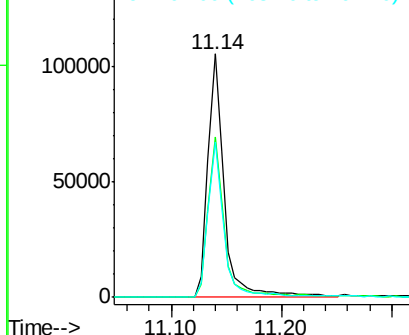
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 65.9  | 51.1  | 76.7  |
| 264     | 63.6  | 49.5  | 74.3  |

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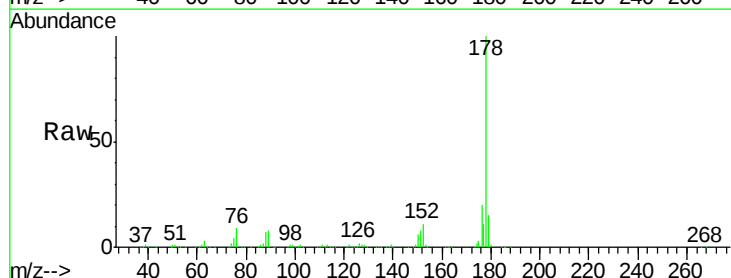


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

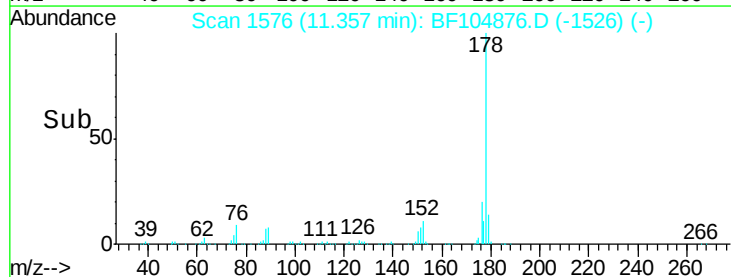
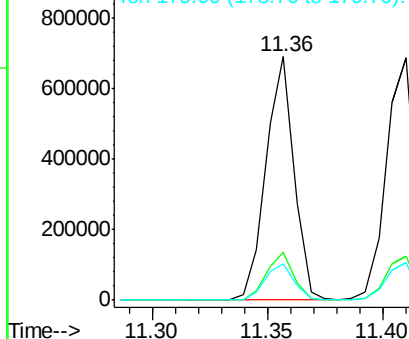


#70  
 Phenanthrene  
 Concen: 40.124 ng  
 RT: 11.36 min Scan# 1576  
 Delta R.T. -0.01 min  
 Lab File: BF104876.D  
 Acq: 27 Apr 2018 11:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.8  | 15.8  | 23.8  |
| 179     | 15.0  | 13.0  | 19.6  |



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





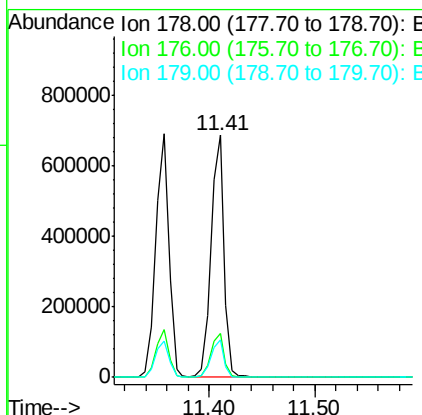
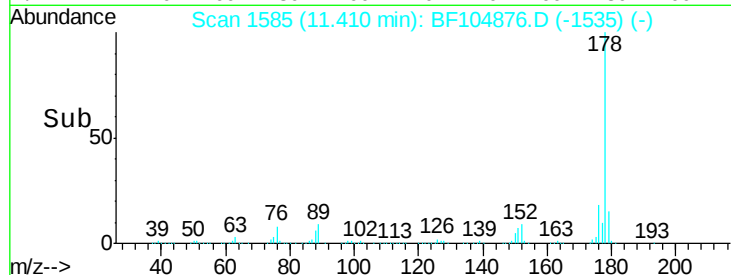
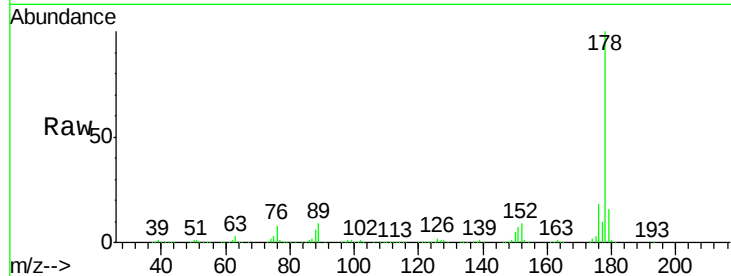
#71  
 Anthracene  
 Concen: 40.343 ng  
 RT: 11.41 min Scan# 1585  
 Delta R.T. -0.01 min  
 Lab File: BF104876.D  
 Acq: 27 Apr 2018 11:25

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB108604BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.4  | 15.4  | 23.2  |
| 179     | 15.5  | 12.6  | 19.0  |

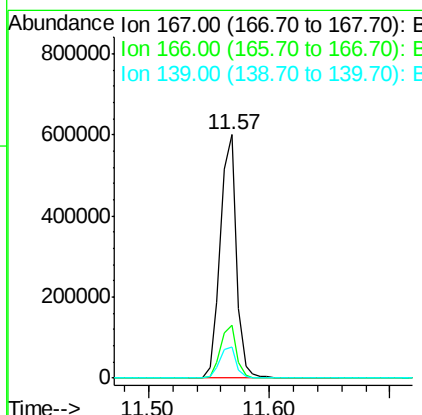
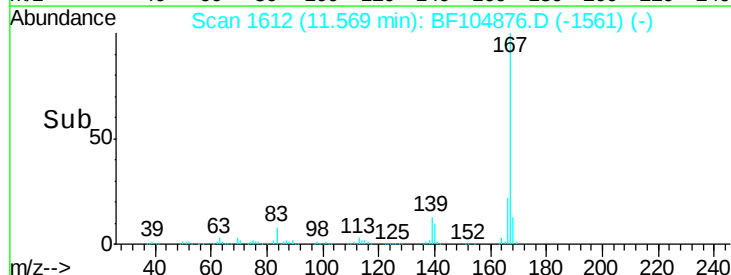
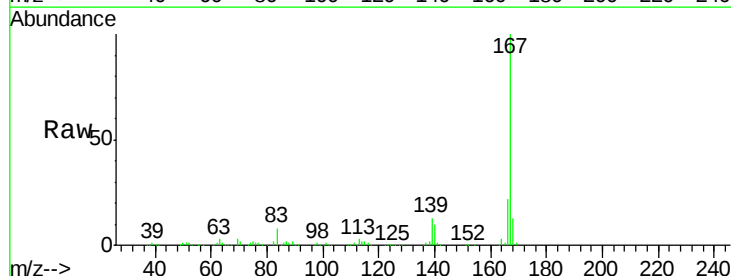
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#72  
 Carbazole  
 Concen: 38.100 ng  
 RT: 11.57 min Scan# 1612  
 Delta R.T. -0.00 min  
 Lab File: BF104876.D  
 Acq: 27 Apr 2018 11:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 21.8  | 17.6  | 26.4  |
| 139     | 12.5  | 10.9  | 16.3  |





#73

Di-n-butylphthalate

Concen: 39.239 ng

RT: 11.89 min Scan# 1666

Delta R.T. -0.01 min

Lab File: BF104876.D

Acq: 27 Apr 2018 11:25

Instrument :

BNA\_F

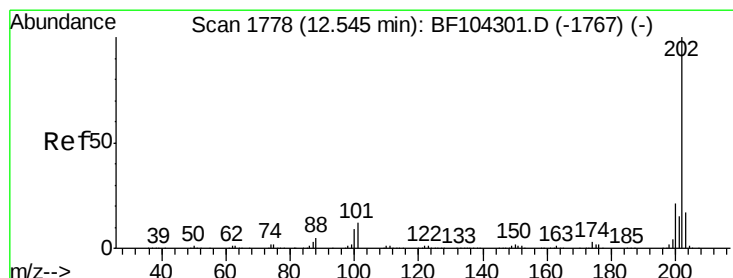
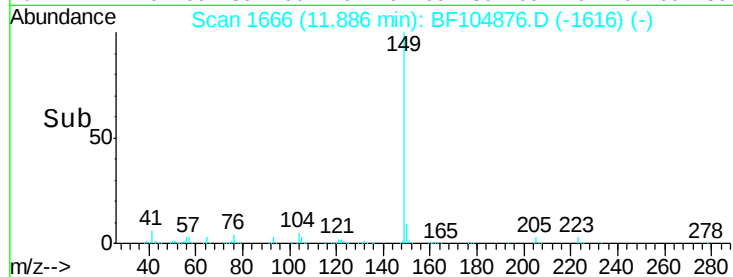
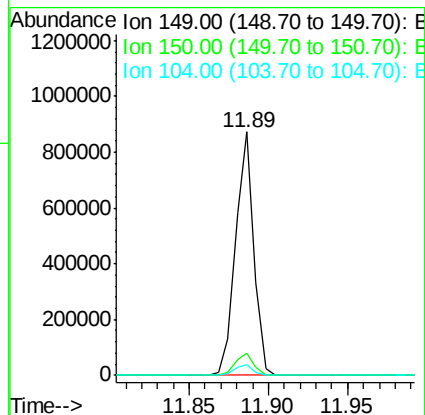
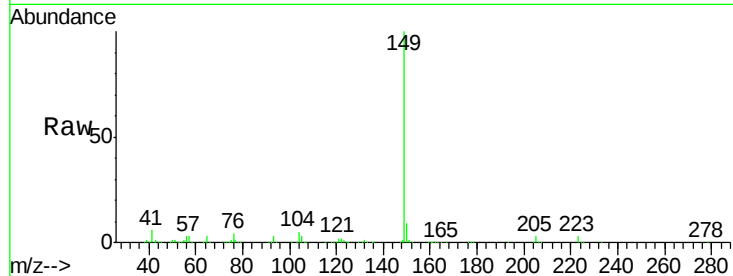
ClientSampleId :

PB108604BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 149   | Resp: | 692959 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 150       | 9.3   | 7.8   | 11.6   |
| 104       | 4.6   | 3.8   | 5.8    |

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#74

Fluoranthene

Concen: 38.880 ng

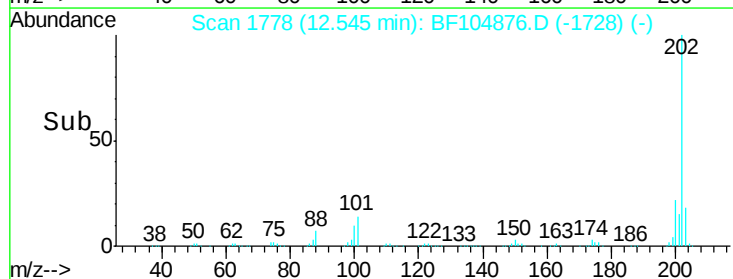
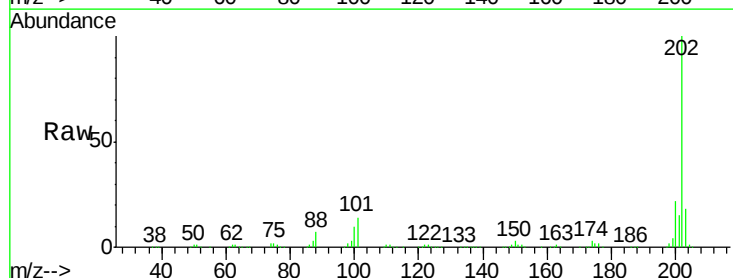
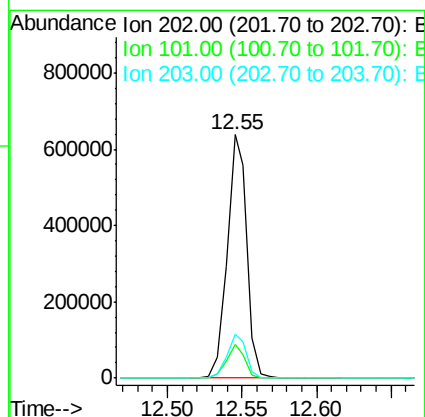
RT: 12.55 min Scan# 1778

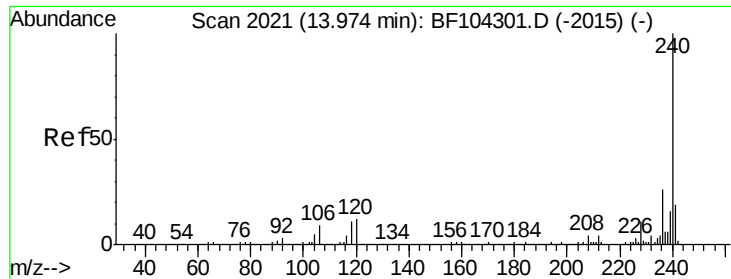
Delta R.T. -0.01 min

Lab File: BF104876.D

Acq: 27 Apr 2018 11:25

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 591229 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 13.8  | 0.0   | 34.1   |
| 203       | 18.1  | 0.0   | 38.1   |





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF104876.D

Acq: 27 Apr 2018 11:25

Instrument :

BNA\_F

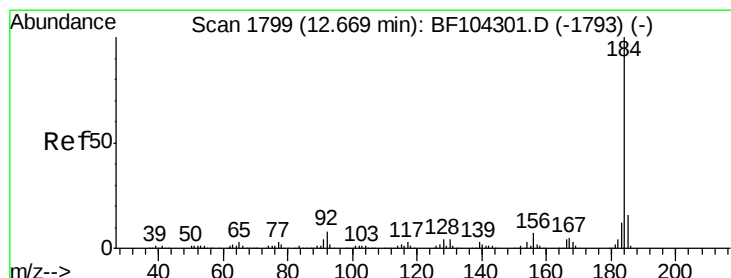
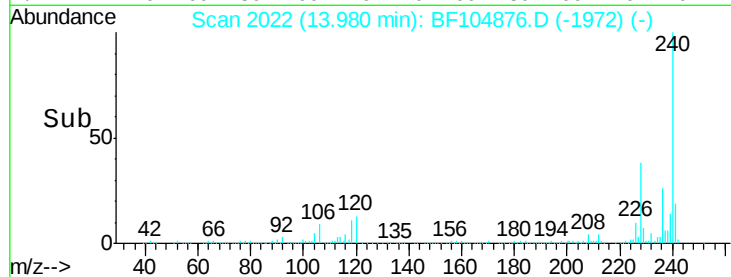
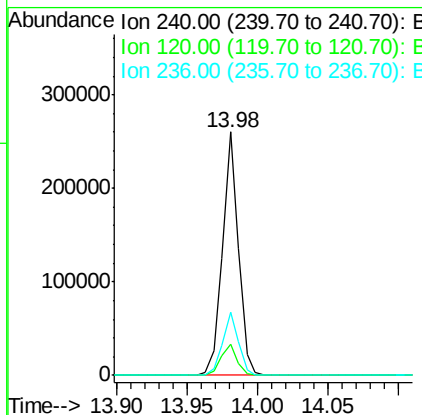
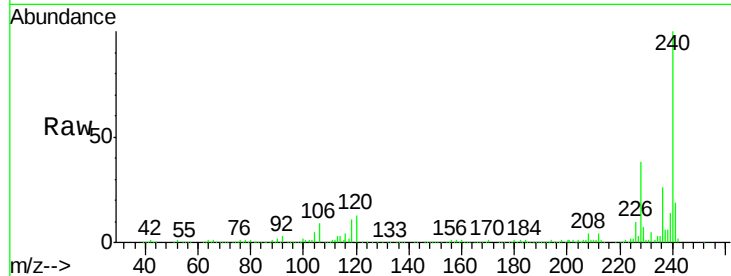
ClientSampleId :

PB108604BS

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 240  | Resp: | 205589 |
| Ion Ratio |      | Lower | Upper  |
| 240       | 100  |       |        |
| 120       | 13.0 | 9.5   | 14.3   |
| 236       | 26.0 | 20.7  | 31.1   |

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#76

Benzidine

Concen: 78.500 ng

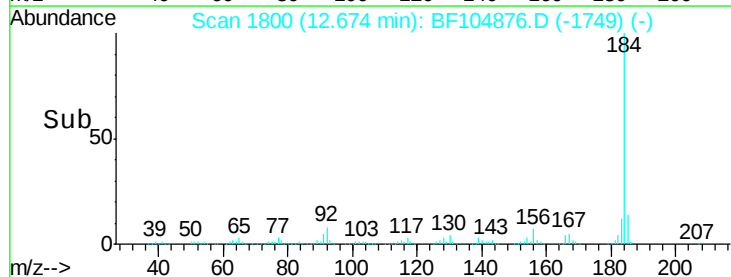
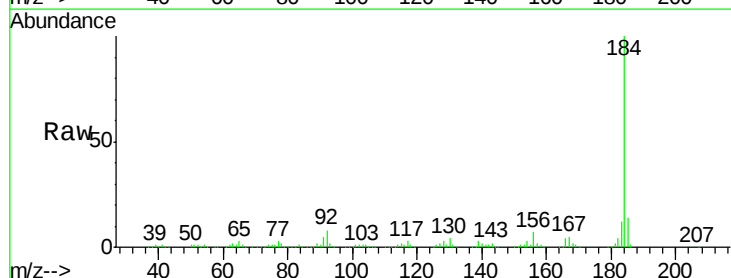
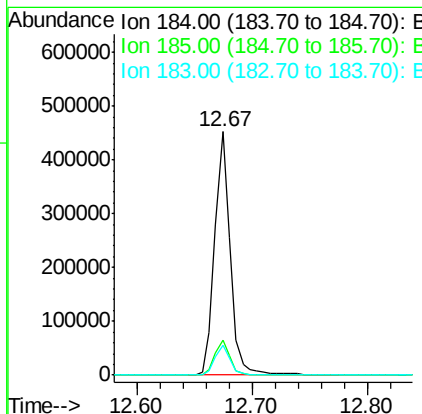
RT: 12.67 min Scan# 1800

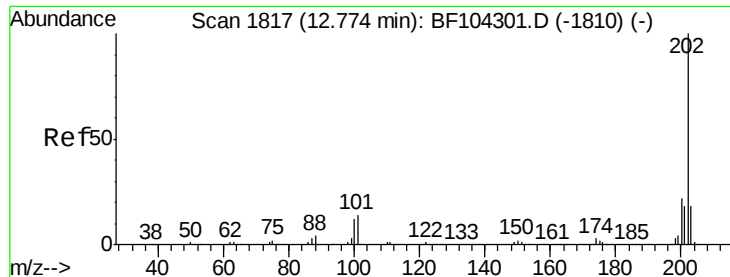
Delta R.T. -0.00 min

Lab File: BF104876.D

Acq: 27 Apr 2018 11:25

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 184  | Resp: | 424006 |
| Ion Ratio |      | Lower | Upper  |
| 184       | 100  |       |        |
| 185       | 14.3 | 12.6  | 18.8   |
| 183       | 12.4 | 9.3   | 13.9   |





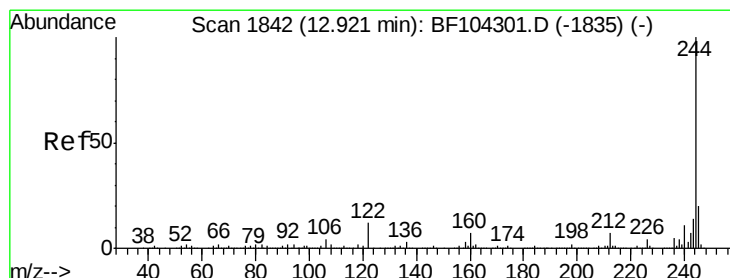
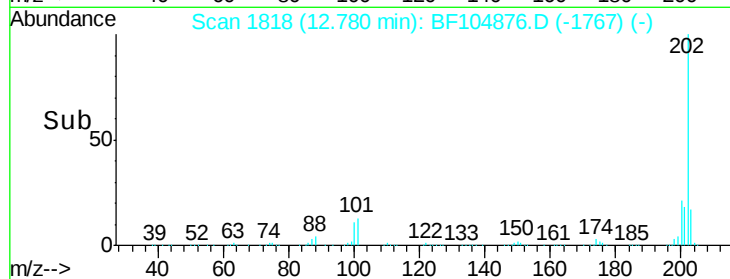
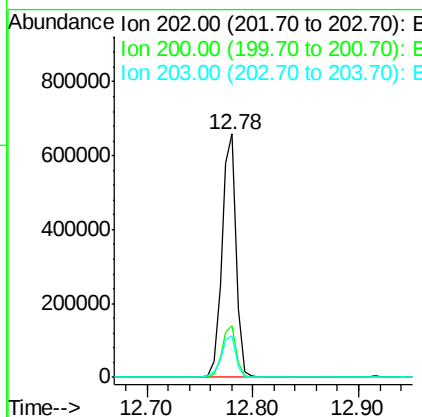
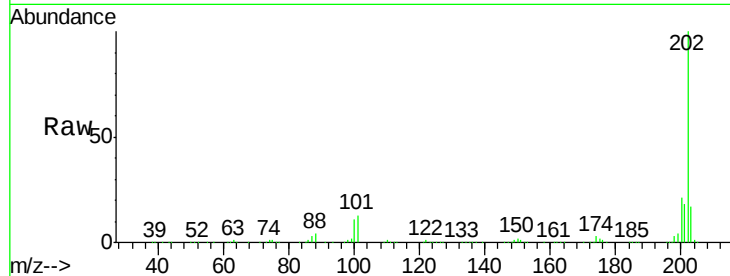
#77  
Pvrene  
Concen: 40.459 ng  
RT: 12.78 min Scan# 1818  
Delta R.T. -0.00 min  
Lab File: BF104876.D  
Acq: 27 Apr 2018 11:25

Instrument :  
BNA\_F  
ClientSampleId :  
PB108604BS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 202     | 100   |            |       |
| 200     | 21.3  | 17.4       | 26.2  |
| 203     | 17.2  | 14.3       | 21.5  |

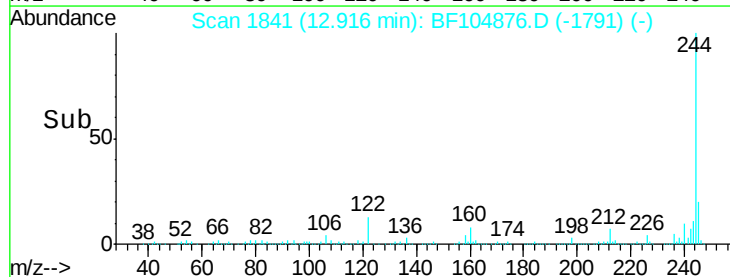
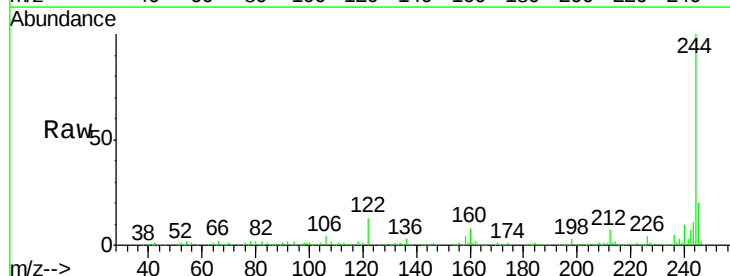
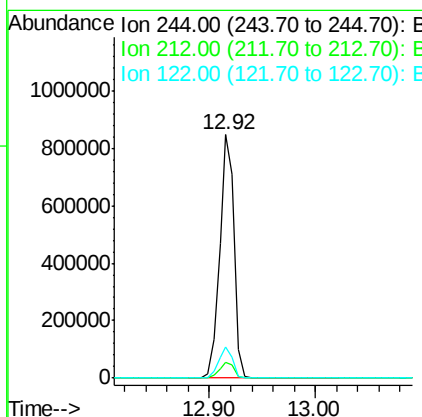
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#78  
Terphenyl-d14  
Concen: 89.777 ng  
RT: 12.92 min Scan# 1841  
Delta R.T. -0.01 min  
Lab File: BF104876.D  
Acq: 27 Apr 2018 11:25

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 244     | 100   |            |       |
| 212     | 6.7   | 5.4        | 8.0   |
| 122     | 13.0  | 11.0       | 16.4  |





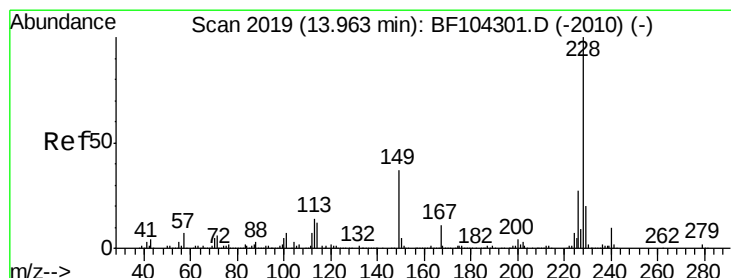
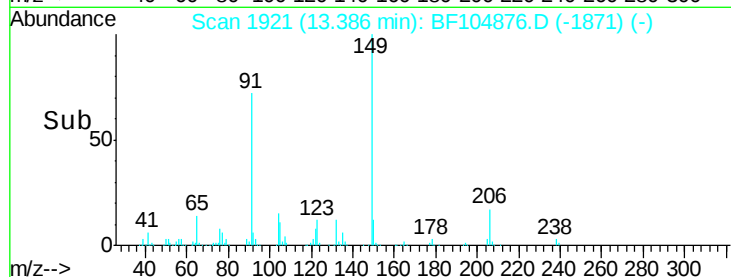
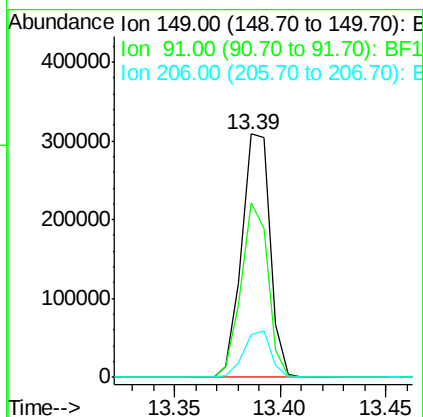
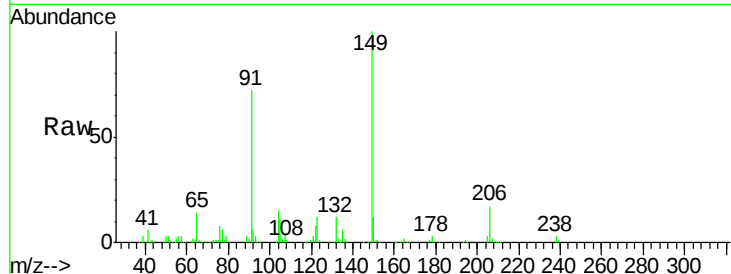
#79  
Butylbenzylphthalate  
Concen: 40.244 ng  
RT: 13.39 min Scan# 1921  
Delta R.T. -0.01 min  
Lab File: BF104876.D  
Acq: 27 Apr 2018 11:25

Instrument :  
BNA\_F  
ClientSampleId :  
PB108604BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 71.7  | 56.8  | 85.2  |
| 206     | 17.4  | 14.1  | 21.1  |

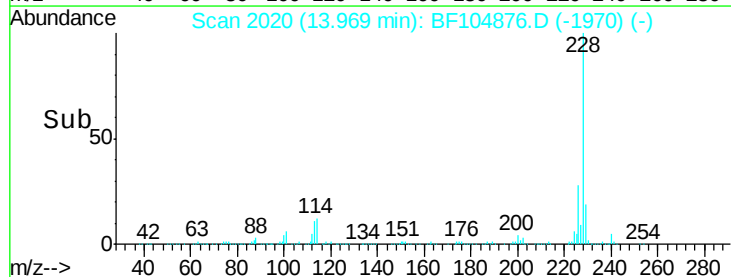
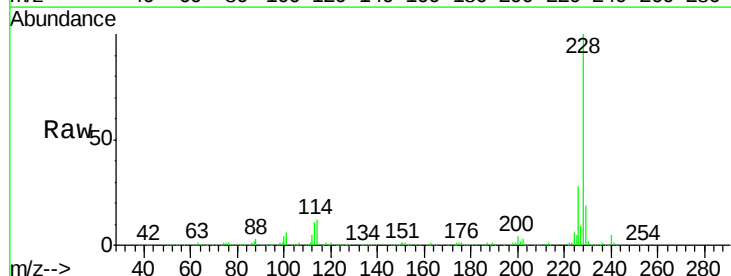
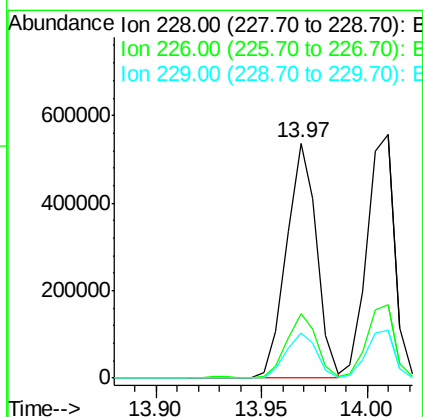
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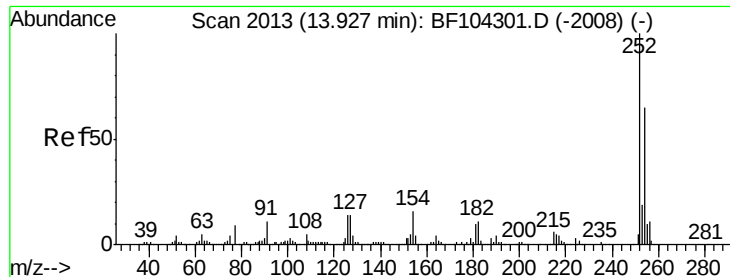
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#80  
Benzo(a)anthracene  
Concen: 43.484 ng  
RT: 13.97 min Scan# 2020  
Delta R.T. -0.01 min  
Lab File: BF104876.D  
Acq: 27 Apr 2018 11:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 27.6  | 22.6  | 33.8  |
| 229     | 19.2  | 15.8  | 23.6  |





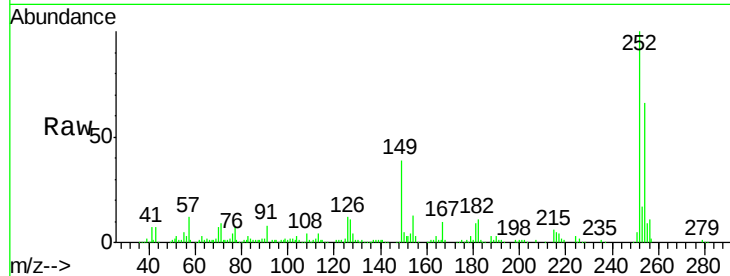
#81  
 3,3'-Dichlorobenzidine  
 Concen: 42.158 ng  
 RT: 13.93 min Scan# 2014  
 Delta R.T. -0.00 min  
 Lab File: BF104876.D  
 Acq: 27 Apr 2018 11:25

Instrument :  
 BNA\_F  
 ClientSampled :  
 PB108604BS

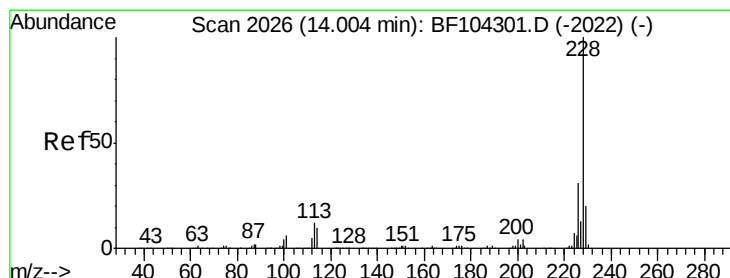
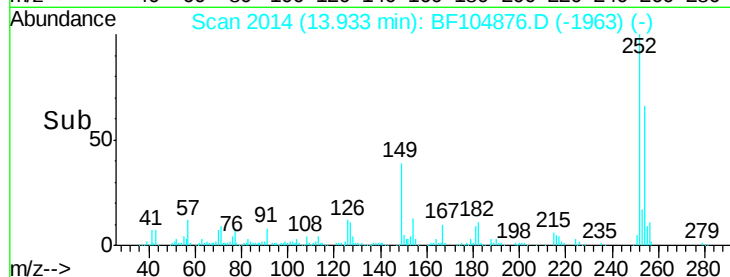
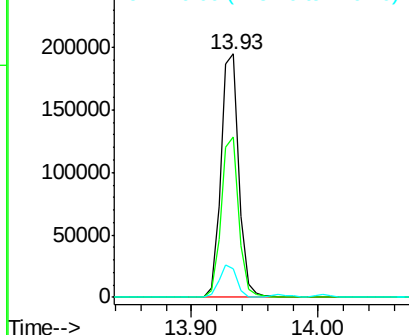
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 252     | 100   | 193061 |       |       |
| 254     | 65.8  | 50.4   | 75.6  |       |
| 126     | 11.5  | 11.3   | 16.9  |       |

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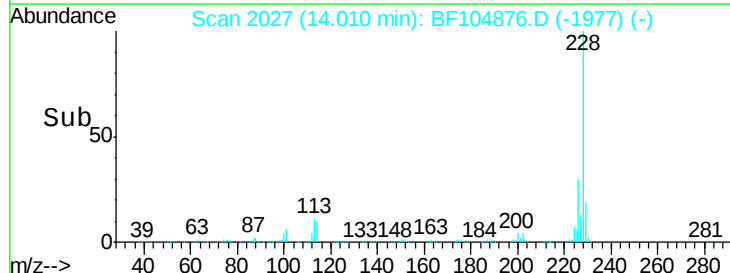
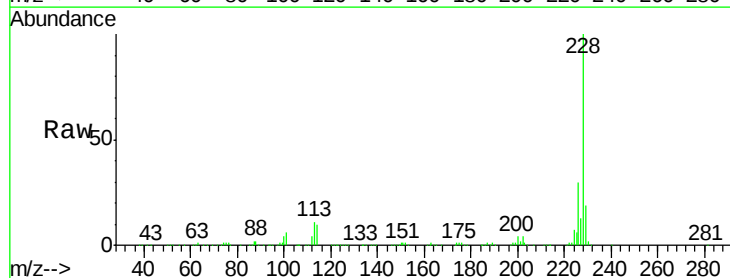
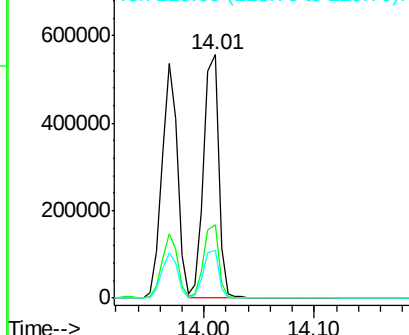
Abundance Ion 252.00 (251.70 to 252.70): E  
 Ion 254.00 (253.70 to 254.70): E  
 Ion 126.00 (125.70 to 126.70): E



#82  
 Chrysene  
 Concen: 40.541 ng  
 RT: 14.01 min Scan# 2027  
 Delta R.T. -0.01 min  
 Lab File: BF104876.D  
 Acq: 27 Apr 2018 11:25

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 228     | 100   | 511445 |       |       |
| 226     | 29.9  | 25.0   | 37.6  |       |
| 229     | 19.5  | 16.2   | 24.4  |       |

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





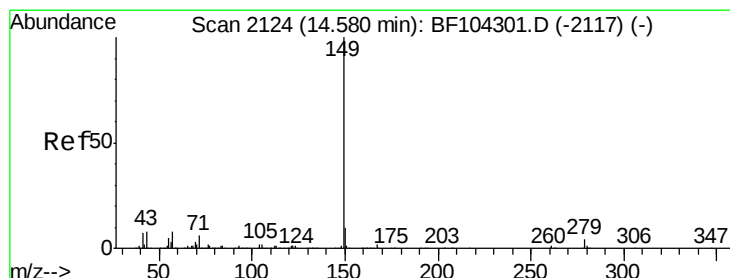
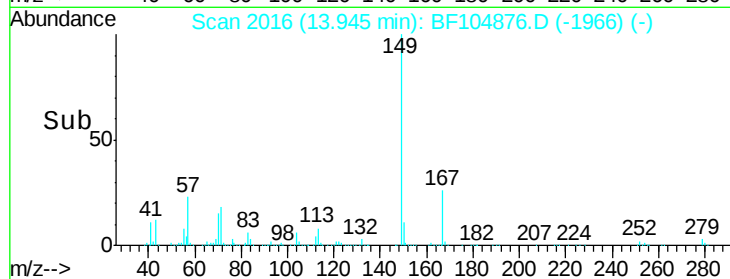
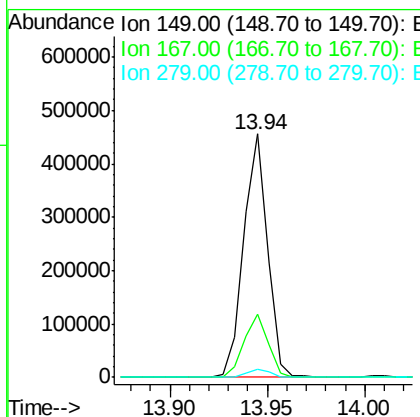
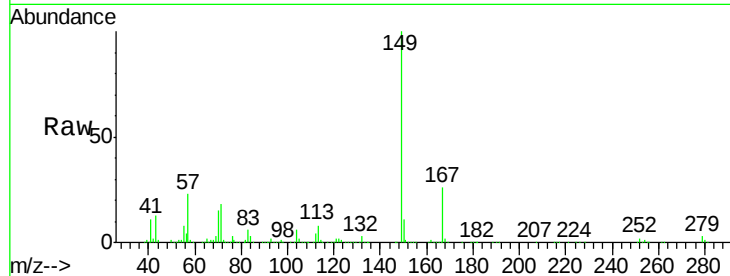
#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 41.933 ng  
 RT: 13.94 min Scan# 2016  
 Delta R.T. -0.01 min  
 Lab File: BF104876.D  
 Acq: 27 Apr 2018 11:25

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB108604BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 387229 |       |       |
| 167     | 25.9  | 21.3   | 31.9  |       |
| 279     | 3.4   | 3.0    | 4.4   |       |

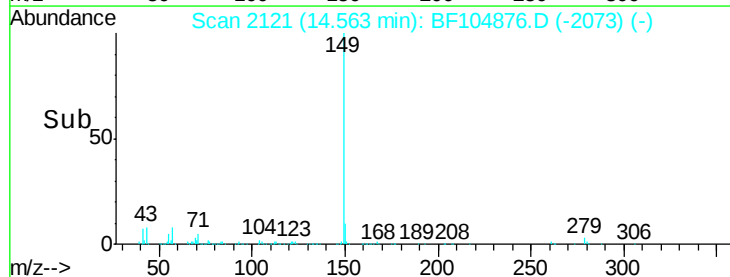
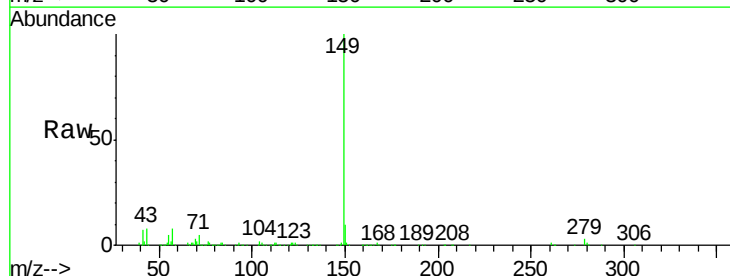
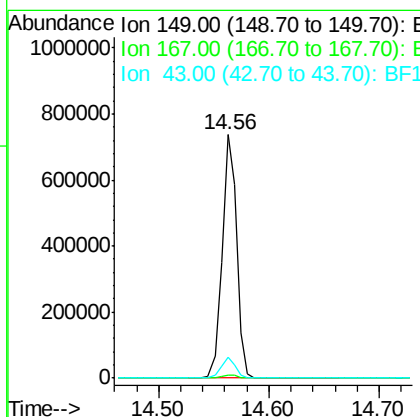
Manual Integrations  
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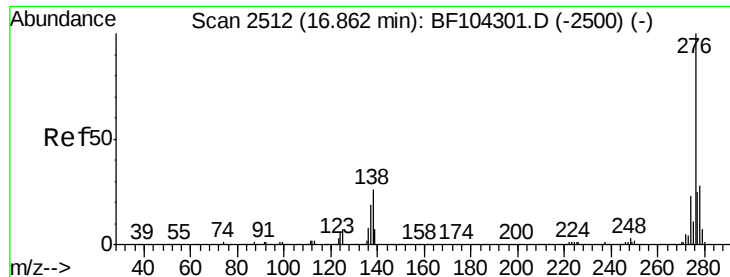
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#84  
 Di-n-octyl phthalate  
 Concen: 43.574 ng  
 RT: 14.56 min Scan# 2121  
 Delta R.T. -0.02 min  
 Lab File: BF104876.D  
 Acq: 27 Apr 2018 11:25

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 672339 |       |       |
| 167     | 1.5   | 1.2    | 1.8   |       |
| 43      | 8.0   | 8.4    | 12.6# |       |





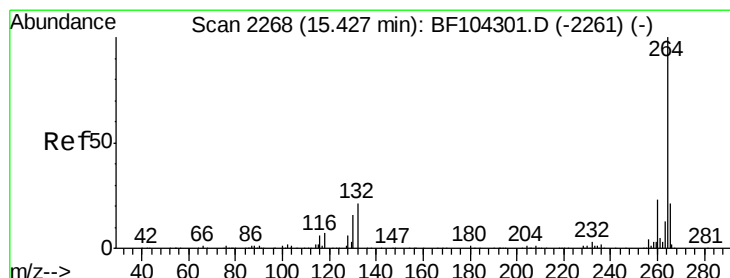
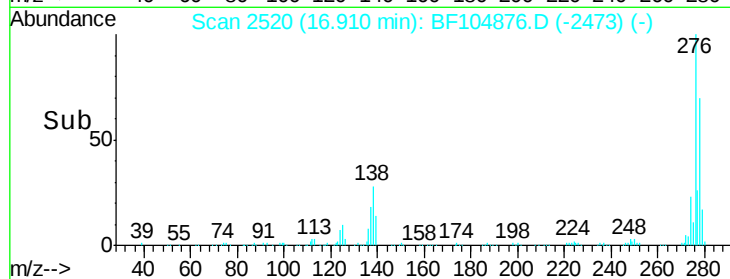
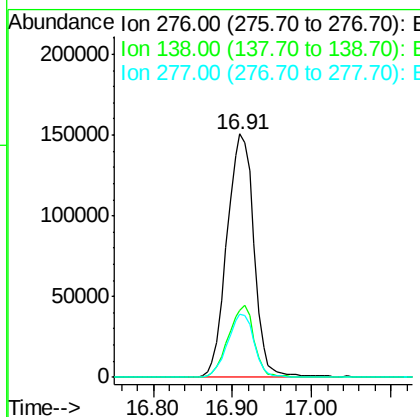
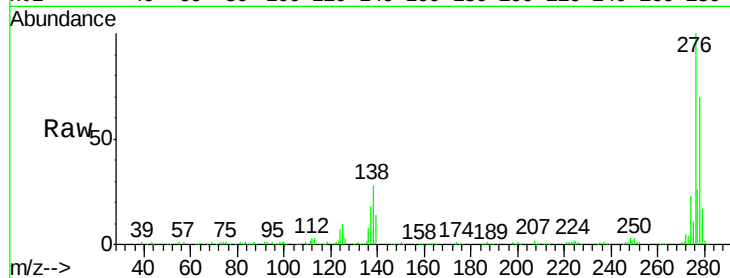
#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 33.211 ng  
 RT: 16.91 min Scan# 2520  
 Delta R.T. -0.02 min  
 Lab File: BF104876.D  
 Acq: 27 Apr 2018 11:25

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB108604BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 276     | 100   | 355915 |       |       |
| 138     | 28.2  |        | 25.0  | 37.6  |
| 277     | 25.6  |        | 20.1  | 30.1  |

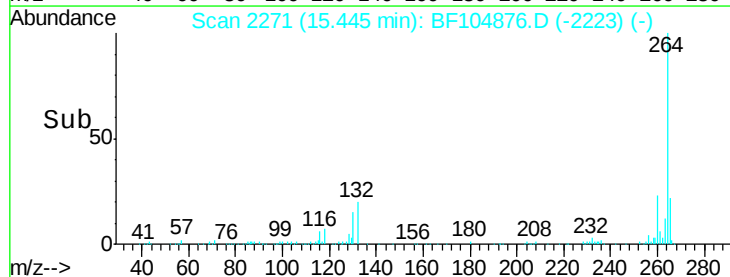
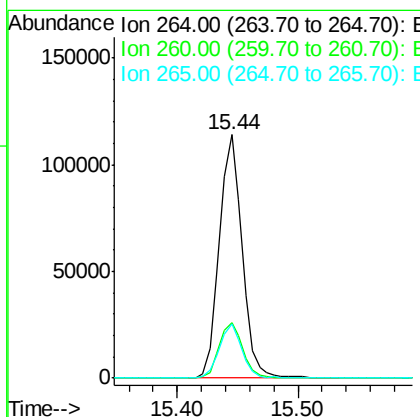
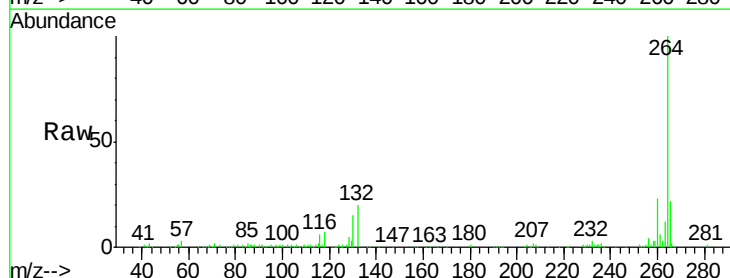
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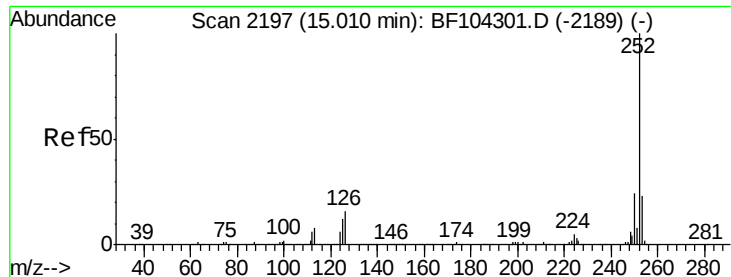
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#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.44 min Scan# 2271  
 Delta R.T. -0.02 min  
 Lab File: BF104876.D  
 Acq: 27 Apr 2018 11:25

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 264     | 100   | 148332 |       |       |
| 260     | 23.0  |        | 19.2  | 28.8  |
| 265     | 22.0  |        | 17.5  | 26.3  |





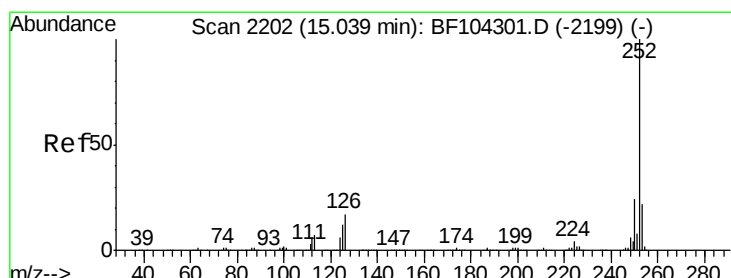
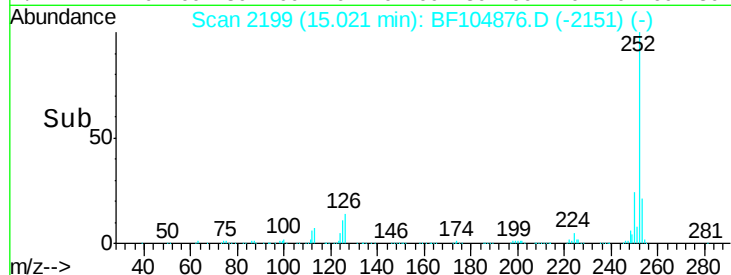
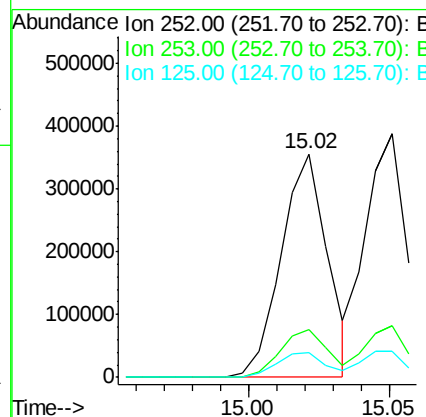
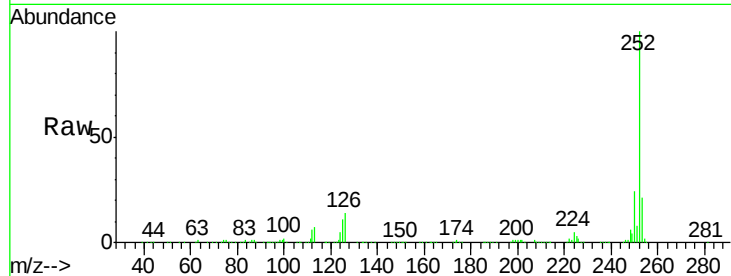
#87  
Benzo(b)fluoranthene  
Concen: 43.110 ng  
RT: 15.02 min Scan# 2199  
Delta R.T. -0.02 min  
Lab File: BF104876.D  
Acq: 27 Apr 2018 11:25

Instrument :  
BNA\_F  
ClientSampleId :  
PB108604BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.4  | 17.0  | 25.6  |
| 125     | 11.2  | 9.0   | 13.6  |

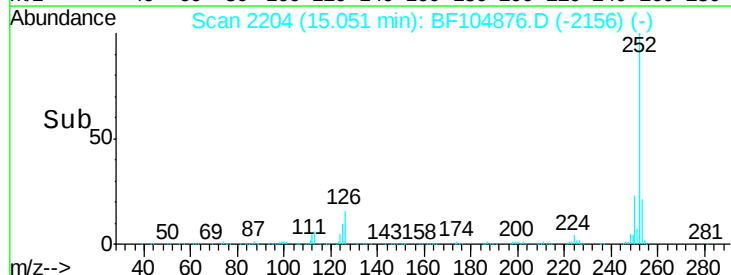
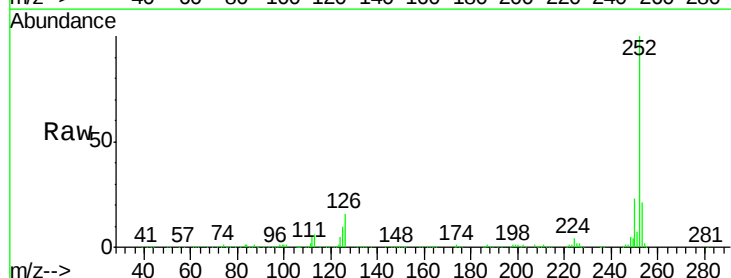
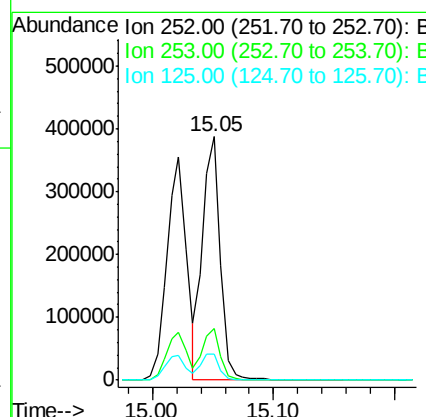
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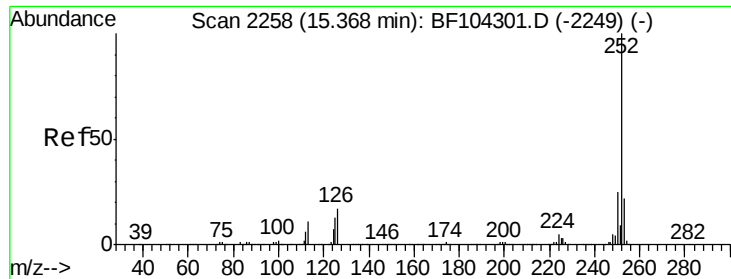
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#88  
Benzo(k)fluoranthene  
Concen: 44.832 ng  
RT: 15.05 min Scan# 2204  
Delta R.T. -0.02 min  
Lab File: BF104876.D  
Acq: 27 Apr 2018 11:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.2  | 17.9  | 26.9  |
| 125     | 10.5  | 10.2  | 15.2  |





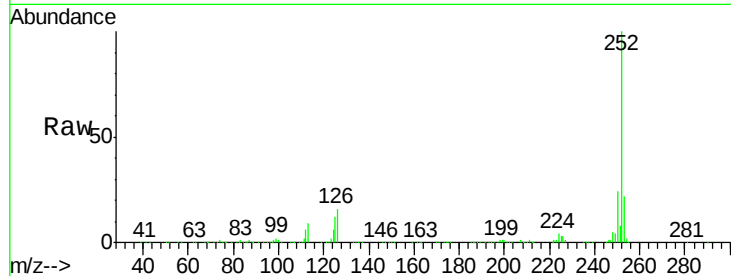
#89  
Benzo(a)pyrene  
Concen: 42.500 ng  
RT: 15.39 min Scan# 2261  
Delta R.T. -0.02 min  
Lab File: BF104876.D  
Acq: 27 Apr 2018 11:25

Instrument :  
BNA\_F  
ClientSampleId :  
PB108604BS

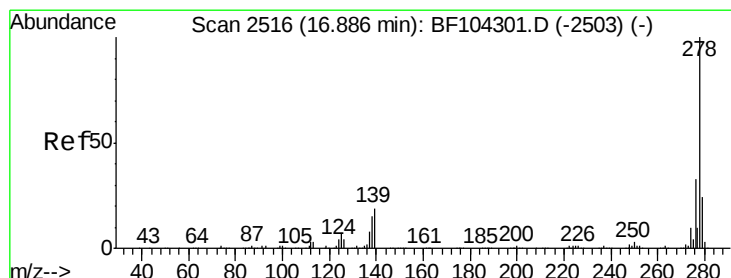
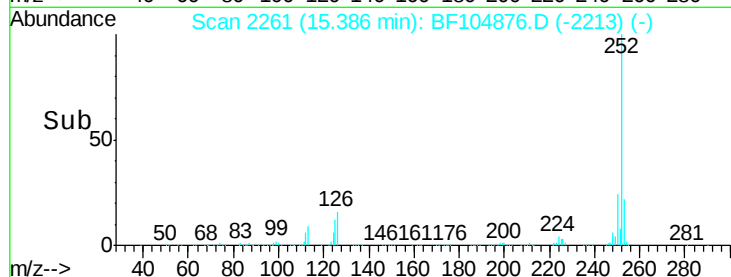
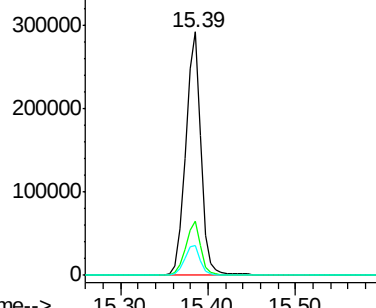
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.0  | 17.1  | 25.7  |
| 125     | 12.4  | 9.8   | 14.6  |

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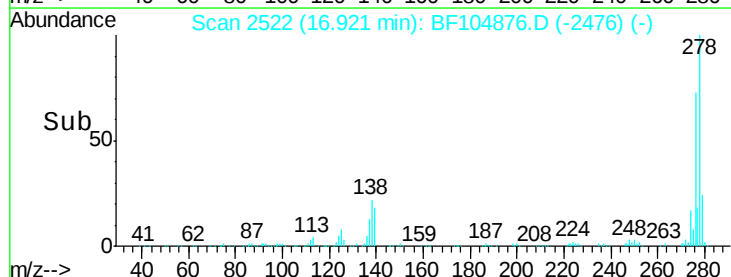
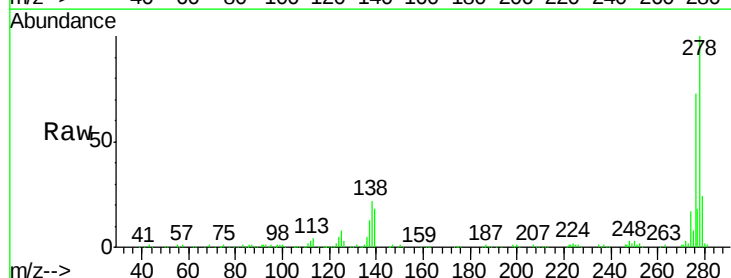
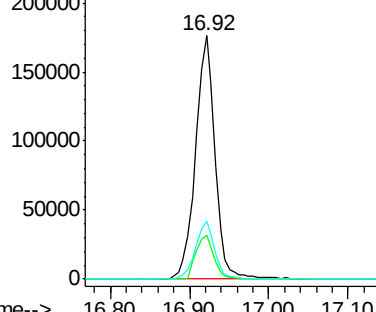
Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E

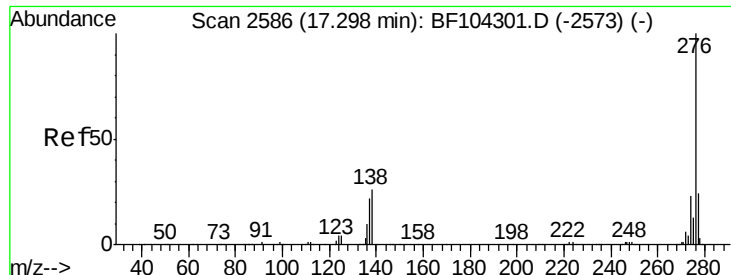


#90  
Dibenzo(a,h)anthracene  
Concen: 43.707 ng  
RT: 16.92 min Scan# 2522  
Delta R.T. -0.03 min  
Lab File: BF104876.D  
Acq: 27 Apr 2018 11:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 17.8  | 15.9  | 23.9  |
| 279     | 23.7  | 19.0  | 28.4  |

Abundance Ion 278.00 (277.70 to 278.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 279.00 (278.70 to 279.70): E





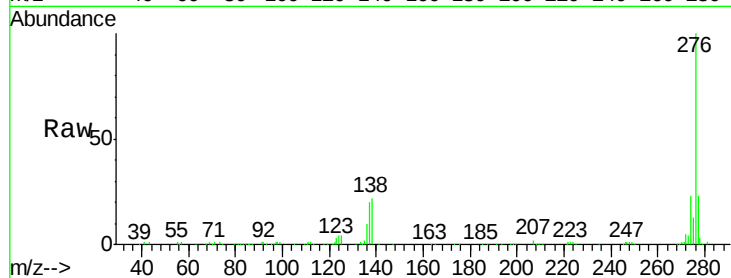
#91  
 Benzo(a,h,i)perylene  
 Concen: 44.868 ng  
 RT: 17.35 min Scan# 2595  
 Delta R.T. -0.03 min  
 Lab File: BF104876.D  
 Acq: 27 Apr 2018 11:25

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB108604BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 22.9  | 17.9  | 26.9  |
| 138     | 22.4  | 21.8  | 32.8  |

Manual Integrations  
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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

