

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF121917\  
 Data File : BF101543.D  
 Acq On : 20 Dec 2017 1:49  
 Operator : SJ/JU  
 Sample : PB105156BS  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB105156BS

Manual Integrations  
 APPROVED

Sohil  
 12/20/2017 3:48:15 PM

Quant Time: Dec 20 07:32:15 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Dec 18 15:38:59 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.80  | 152  | 165086   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.09  | 136  | 676404   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.85  | 164  | 301983   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.34 | 188  | 507487   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 13.99 | 240  | 310896   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.46 | 264  | 349059   | 20.00 | ng    | 0.01     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.44  | 112 | 1064554 | 96.06  | ng | 0.02 |
| 7) Phenol-d6             | 6.46  | 99  | 1254414 | 90.95  | ng | 0.00 |
| 23) Nitrobenzene-d5      | 7.39  | 82  | 1164288 | 95.82  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.65 | 330 | 262078  | 90.07  | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 9.17  | 172 | 1804916 | 92.72  | ng | 0.00 |
| 78) Terphenyl-d14        | 12.93 | 244 | 1310773 | 101.64 | ng | 0.00 |

## Target Compounds

|                                |      |     |         |        |    | Qvalue |
|--------------------------------|------|-----|---------|--------|----|--------|
| 2) 1,4-Dioxane                 | 2.63 | 88  | 209617  | 36.809 | ng | 96     |
| 3) Pyridine                    | 3.39 | 79  | 576786  | 36.454 | ng | 98     |
| 4) n-Nitrosodimethylamine      | 3.36 | 42  | 289262  | 39.707 | ng | 97     |
| 6) Aniline                     | 6.47 | 93  | 520112  | 27.135 | ng | # 59   |
| 8) 2-Chlorophenol              | 6.60 | 128 | 469525  | 40.274 | ng | 95     |
| 9) Benzaldehyde                | 6.36 | 77  | 293284  | 28.792 | ng | 97     |
| 10) Phenol                     | 6.47 | 94  | 594326  | 37.805 | ng | 83     |
| 11) bis(2-Chloroethyl)ether    | 6.55 | 93  | 492066  | 39.904 | ng | 94     |
| 12) 1,3-Dichlorobenzene        | 6.75 | 146 | 515134  | 39.150 | ng | 98     |
| 13) 1,4-Dichlorobenzene        | 6.83 | 146 | 525224  | 39.089 | ng | 98     |
| 14) 1,2-Dichlorobenzene        | 6.98 | 146 | 465796  | 38.513 | ng | 97     |
| 15) Benzyl Alcohol             | 6.96 | 79  | 341155  | 35.935 | ng | 97     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.08 | 45  | 790440  | 41.884 | ng | 61     |
| 17) 2-Methylphenol             | 7.07 | 107 | 390669  | 36.429 | ng | # 89   |
| 18) Hexachloroethane           | 7.31 | 117 | 180253  | 38.585 | ng | 97     |
| 19) n-Nitroso-di-n-propylamine | 7.23 | 70  | 332411  | 36.698 | ng | 94     |
| 20) 3+4-Methylphenols          | 7.23 | 107 | 480812  | 42.310 | ng | # 67   |
| 22) Acetophenone               | 7.22 | 105 | 659470  | 42.729 | ng | # 92   |
| 24) Nitrobenzene               | 7.40 | 77  | 536203  | 39.871 | ng | 95     |
| 25) Isophorone                 | 7.63 | 82  | 1018251 | 41.773 | ng | 97     |
| 26) 2-Nitrophenol              | 7.72 | 139 | 261483  | 45.258 | ng | 97     |
| 27) 2,4-Dimethylphenol         | 7.75 | 122 | 430597  | 43.870 | ng | 100    |
| 28) bis(2-Chloroethoxy)methane | 7.84 | 93  | 627470  | 40.523 | ng | 98     |
| 29) 2,4-Dichlorophenol         | 7.96 | 162 | 411613  | 42.447 | ng | 99     |
| 30) 1,2,4-Trichlorobenzene     | 8.03 | 180 | 405134  | 39.589 | ng | 97     |
| 31) Naphthalene                | 8.12 | 128 | 1326852 | 38.965 | ng | 100    |
| 32) Benzoic acid               | 7.91 | 122 | 211397  | 34.623 | ng | 96     |
| 33) 4-Chloroaniline            | 8.17 | 127 | 320372  | 21.646 | ng | 97     |
| 34) Hexachlorobutadiene        | 8.22 | 225 | 235003  | 39.705 | ng | 97     |
| 35) Caprolactam                | 8.56 | 113 | 148316m | 44.048 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 8.67 | 107 | 441170  | 41.392 | ng | 98     |
| 37) 2-Methylnaphthalene        | 8.80 | 142 | 882071  | 39.758 | ng | 99     |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.97 | 216 | 417729  | 40.971 | ng | 97     |
| 40) Hexachlorocyclopentadiene  | 8.95 | 237 | 35670   | 31.344 | ng | 98     |

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 PB105156BS

Manual Integrations  
 APPROVED

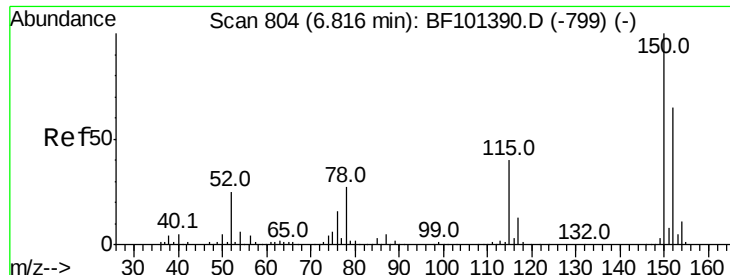
Sohil  
 12/20/2017 3:48:15 PM

Quant Time: Dec 20 07:32:15 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Dec 18 15:38:59 2017  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.09  | 196  | 264890   | 43.155 | nq    | 100      |
| 43) 2,4,5-Trichlorophenol      | 9.15  | 196  | 265501   | 39.504 | nq    | 95       |
| 45) 1,1'-Biphenyl              | 9.27  | 154  | 1073428  | 40.081 | nq    | 99       |
| 46) 2-Chloronaphthalene        | 9.30  | 162  | 801297   | 39.103 | nq    | 99       |
| 47) 2-Nitroaniline             | 9.40  | 65   | 306330   | 43.273 | nq    | 87       |
| 48) Acenaphthylene             | 9.72  | 152  | 1164868  | 35.990 | nq    | 100      |
| 49) Dimethylphthalate          | 9.57  | 163  | 907758   | 37.371 | nq    | 99       |
| 50) 2,6-Dinitrotoluene         | 9.65  | 165  | 205705   | 41.667 | nq    | 95       |
| 51) Acenaphthene               | 9.89  | 154  | 710816   | 36.554 | nq    | 99       |
| 52) 3-Nitroaniline             | 9.82  | 138  | 158320   | 25.722 | nq    | 100      |
| 53) 2,4-Dinitrophenol          | 9.95  | 184  | 45626    | 33.432 | nq #  | 21       |
| 54) Dibenzofuran               | 10.06 | 168  | 974860   | 39.448 | nq    | 98       |
| 55) 4-Nitrophenol              | 10.00 | 139  | 198882   | 74.103 | nq    | 89       |
| 56) 2,4-Dinitrotoluene         | 10.06 | 165  | 240558   | 43.249 | nq #  | 95       |
| 57) Fluorene                   | 10.40 | 166  | 802329   | 38.379 | nq    | 100      |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.19 | 232  | 203074   | 42.056 | nq    | 91       |
| 59) Diethylphthalate           | 10.27 | 149  | 926674   | 38.524 | nq    | 98       |
| 60) 4-Chlorophenyl-phenylether | 10.39 | 204  | 391650   | 39.091 | nq    | 96       |
| 61) 4-Nitroaniline             | 10.44 | 138  | 197572   | 31.935 | nq    | 97       |
| 62) Azobenzene                 | 10.55 | 77   | 944681   | 37.911 | nq    | 96       |
| 64) 4,6-Dinitro-2-methylphenol | 10.48 | 198  | 48758    | 18.827 | nq    | 90       |
| 65) n-Nitrosodiphenylamine     | 10.51 | 169  | 768980   | 41.037 | nq    | 96       |
| 66) 4-Bromophenyl-phenylether  | 10.88 | 248  | 248074   | 43.504 | nq #  | 84       |
| 67) Hexachlorobenzene          | 10.95 | 284  | 245169   | 40.624 | nq    | 92       |
| 68) Atrazine                   | 11.04 | 200  | 252549   | 45.200 | nq    | 95       |
| 69) Pentachlorophenol          | 11.16 | 266  | 172516   | 74.040 | nq    | 99       |
| 70) Phenanthrene               | 11.37 | 178  | 1073622  | 38.042 | nq    | 99       |
| 71) Anthracene                 | 11.42 | 178  | 1113467  | 38.624 | nq    | 100      |
| 72) Carbazole                  | 11.58 | 167  | 1004666  | 37.223 | nq    | 99       |
| 73) Di-n-butylphthalate        | 11.89 | 149  | 1344476  | 41.041 | nq    | 99       |
| 74) Fluoranthene               | 12.56 | 202  | 969253   | 32.719 | nq    | 99       |
| 76) Benzidine                  | 12.68 | 184  | 665818   | 50.707 | nq    | 99       |
| 77) Pyrene                     | 12.79 | 202  | 981128   | 42.050 | nq    | 99       |
| 79) Butylbenzylphthalate       | 13.39 | 149  | 462913   | 43.847 | nq    | 98       |
| 80) Benzo(a)anthracene         | 13.98 | 228  | 822110   | 40.046 | nq    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 13.94 | 252  | 283918   | 42.415 | nq #  | 96       |
| 82) Chrysene                   | 14.02 | 228  | 783222   | 40.407 | nq    | 98       |
| 83) Bis(2-ethylhexyl)phthalate | 13.94 | 149  | 569958   | 42.622 | nq    | 100      |
| 84) Di-n-octyl phthalate       | 14.56 | 149  | 1000585  | 41.956 | nq    | 98       |
| 85) Indeno(1,2,3-cd)pyrene     | 16.96 | 276  | 801789   | 46.452 | nq    | 96       |
| 87) Benzo(b)fluoranthene       | 15.03 | 252  | 789127   | 37.090 | nq    | 99       |
| 88) Benzo(k)fluoranthene       | 15.06 | 252  | 817413   | 39.515 | nq    | 99       |
| 89) Benzo(a)pyrene             | 15.40 | 252  | 801360   | 40.858 | nq    | 99       |
| 90) Dibenzo(a,h)anthracene     | 16.96 | 278  | 674532   | 40.056 | nq    | 98       |
| 91) Benzo(g,h,i)perylene       | 17.40 | 276  | 649265   | 38.937 | nq    | 95       |

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





#1

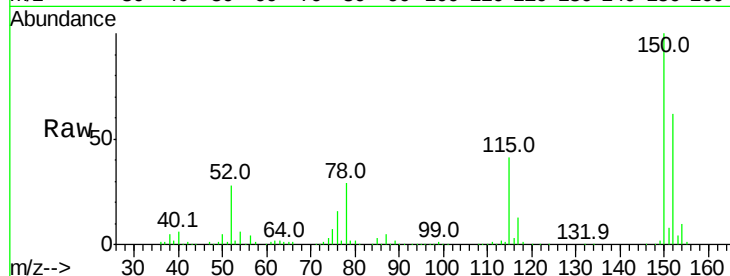
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Concen: 20.000 ng  
RT: 6.80 min Scan# 802  
Delta R.T. -0.01 min  
Lab File: BF101543.D  
Acq: 20 Dec 2017 1:49

Instrument :  
BNA\_F  
ClientSampleId :  
PB105156BS

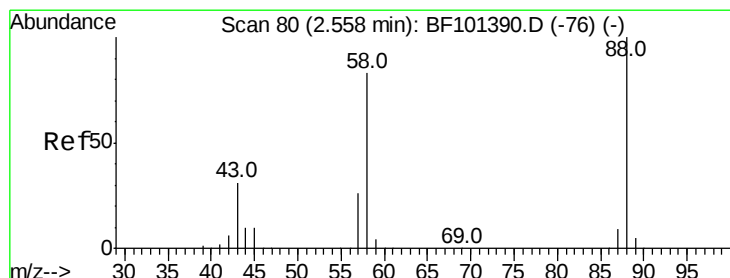
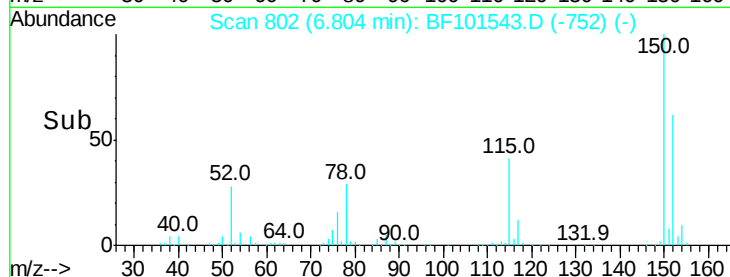
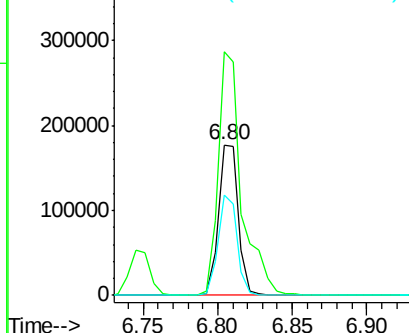
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 161.6 | 124.6 | 186.8 |
| 115     | 66.2  | 50.1  | 75.1  |

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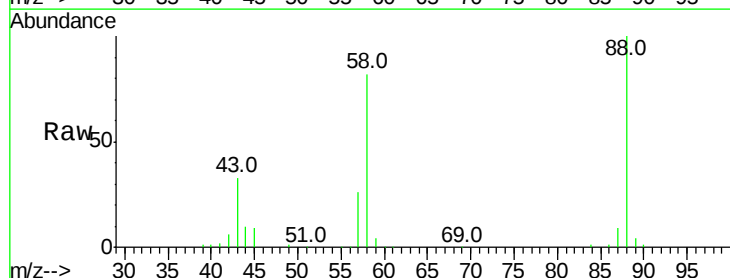
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



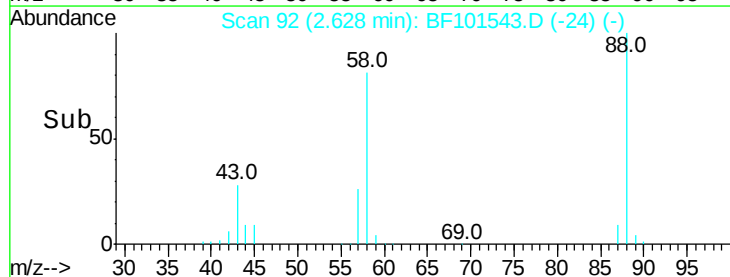
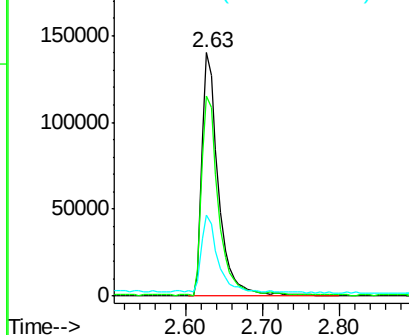
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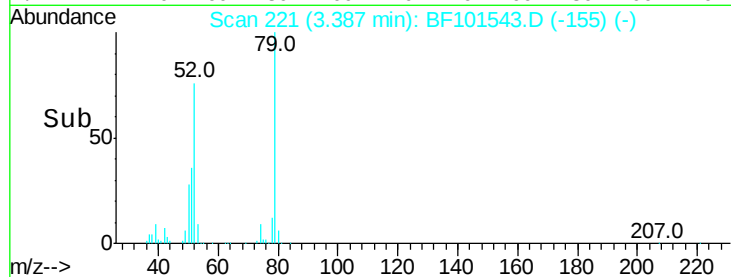
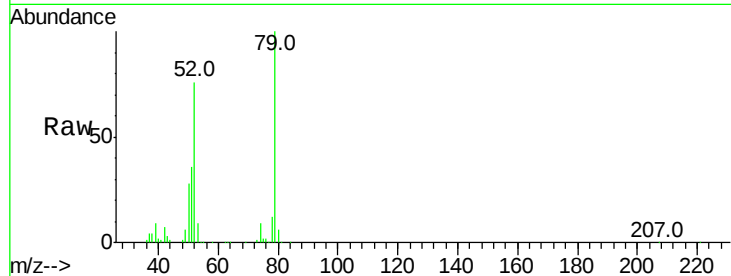
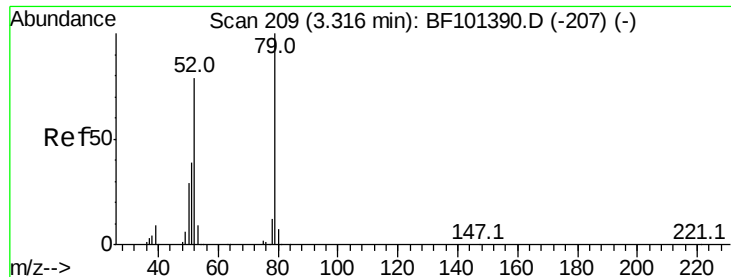
1,4-Dioxane  
Concen: 36.809 ng  
RT: 2.63 min Scan# 92  
Delta R.T. 0.10 min  
Lab File: BF101543.D  
Acq: 20 Dec 2017 1:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 83.1  | 62.6  | 93.8  |
| 43      | 30.4  | 24.6  | 37.0  |



Abundance Ion 88.00 (87.70 to 88.70): BF1  
Ion 58.00 (57.70 to 58.70): BF1  
Ion 43.00 (42.70 to 43.70): BF1





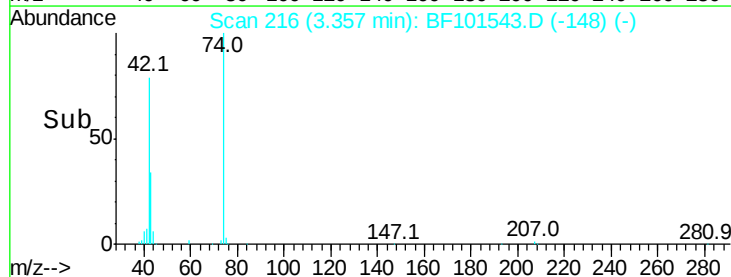
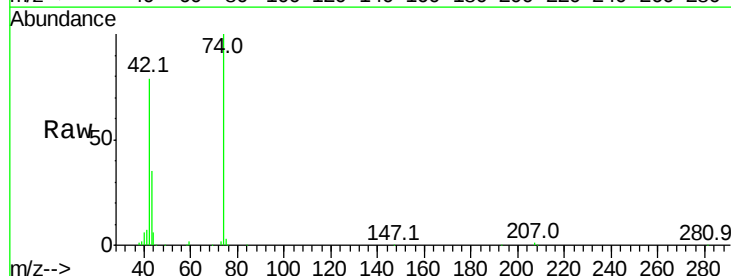
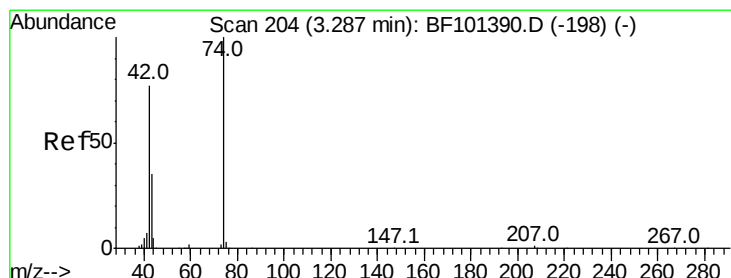
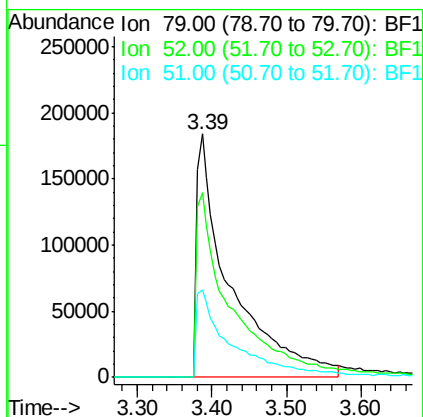
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Pvridine  
Concen: 36.454 ng  
RT: 3.39 min Scan# 221  
Delta R.T. 0.09 min  
Lab File: BF101543.D  
Acq: 20 Dec 2017 1:49

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 79      | 100   |            |       |
| 52      | 75.7  | 59.8       | 89.6  |
| 51      | 35.8  | 29.8       | 44.8  |

Instrument :  
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ClientSampleId :  
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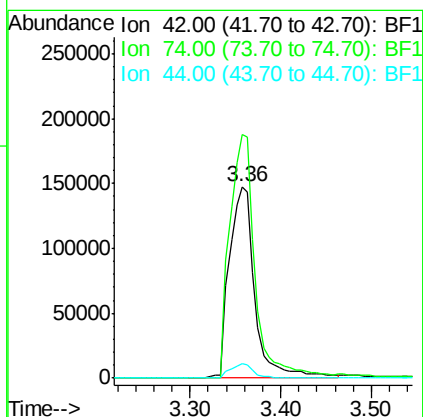
Manual Integrations  
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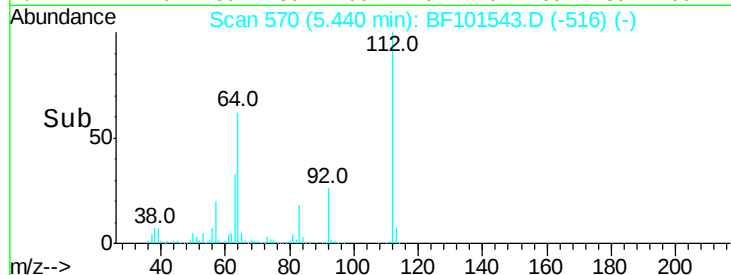
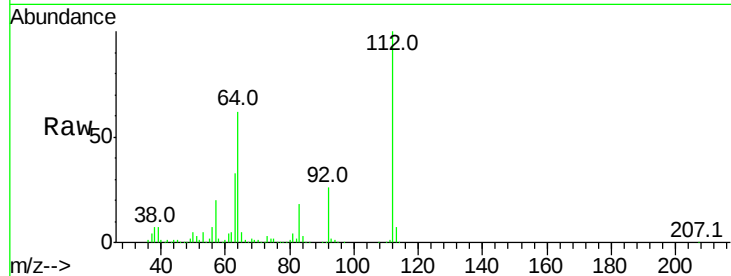
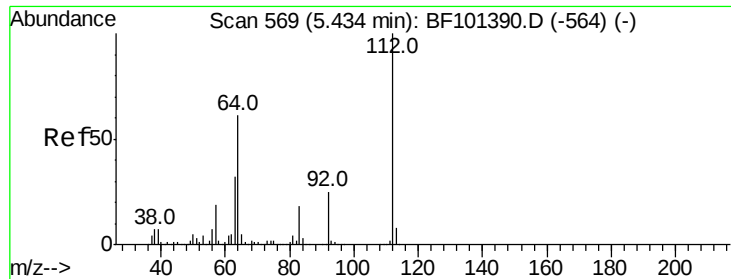
Sohil  
12/20/2017 3:48:15 PM



#4  
n-Nitrosodimethylamine  
Concen: 39.707 ng  
RT: 3.36 min Scan# 216  
Delta R.T. 0.10 min  
Lab File: BF101543.D  
Acq: 20 Dec 2017 1:49

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 42      | 100   |            |       |
| 74      | 127.4 | 104.9      | 157.3 |
| 44      | 7.3   | 6.9        | 10.3  |





#5

2-Fluorophenol

Concen: 96.055 ng

RT: 5.44 min Scan# 570

Delta R.T. 0.02 min

Lab File: BF101543.D

Acq: 20 Dec 2017 1:49

|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 112   | Resp: | 1064554 |
| Ion      | Ratio | Lower | Upper   |
| 112      | 100   |       |         |
| 64       | 62.0  | 47.9  | 71.9    |
| 63       | 32.9  | 23.7  | 35.5    |

Instrument :

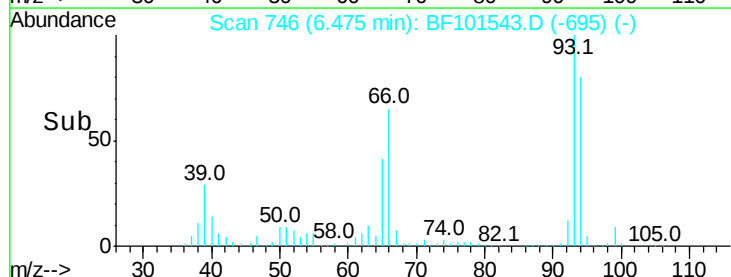
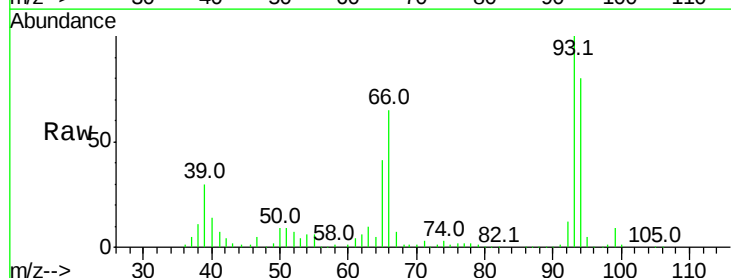
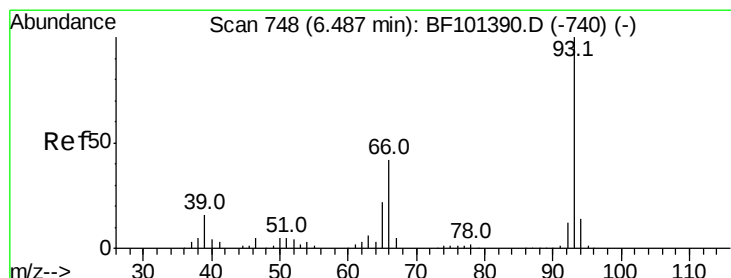
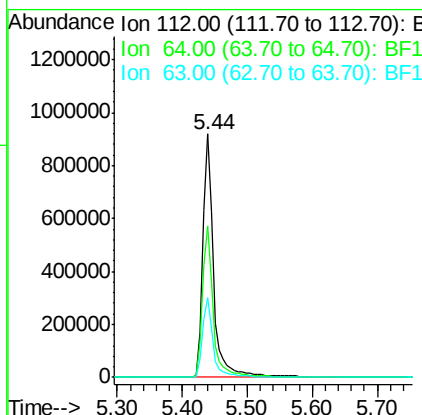
BNA\_F

ClientSampleId :

PB105156BS

Manual Integrations  
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12/20/2017 3:48:15 PM



#6

Aniline

Concen: 27.135 ng

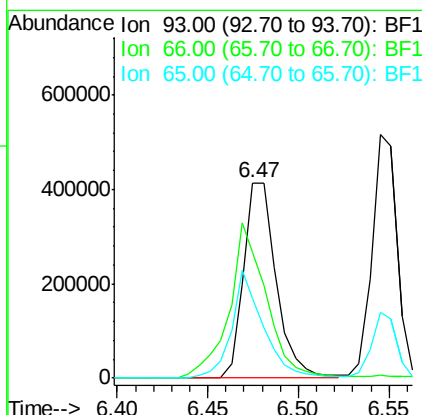
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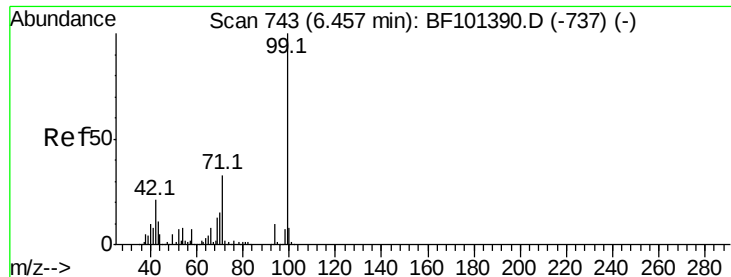
Delta R.T. 0.00 min

Lab File: BF101543.D

Acq: 20 Dec 2017 1:49

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 93    | Resp: | 520112 |
| Ion      | Ratio | Lower | Upper  |
| 93       | 100   |       |        |
| 66       | 64.7  | 32.2  | 48.2#  |
| 65       | 40.7  | 16.4  | 24.6#  |





#7

Phenol-d6

Concen: 90.946 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.01 min

Lab File: BF101543.D

Acq: 20 Dec 2017 1:49

Instrument :

BNA\_F

ClientSampleId :

PB105156BS

Tot Ion: 99 Resp: 1254414

Ion Ratio Lower Upper

99 100

42 20.5 14.5 21.7

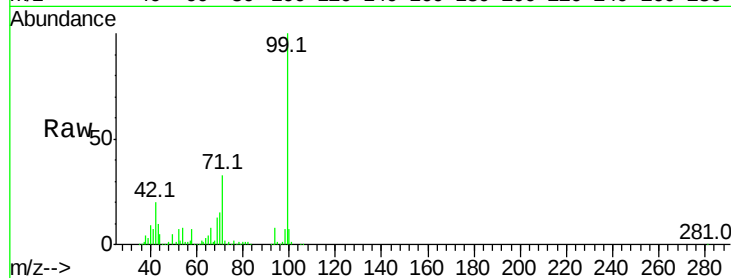
71 32.6 25.4 38.0

Manual Integrations

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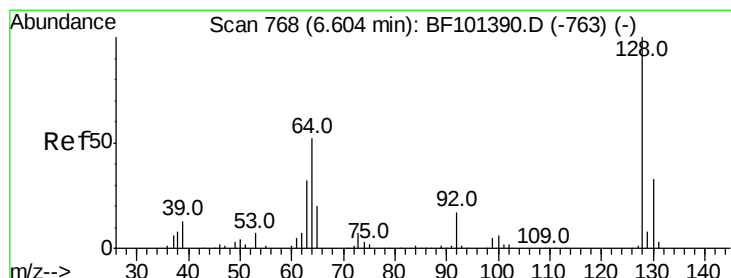
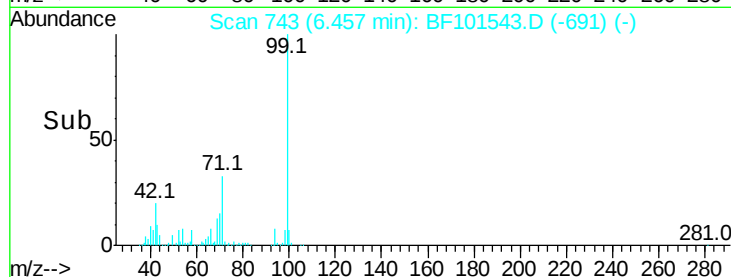
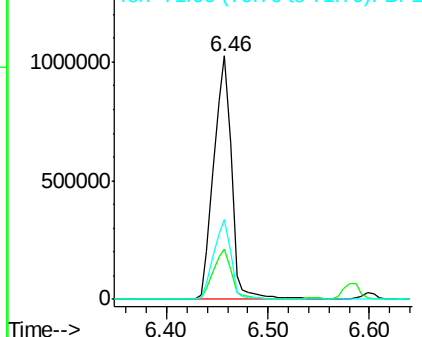
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 40.274 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.00 min

Lab File: BF101543.D

Acq: 20 Dec 2017 1:49

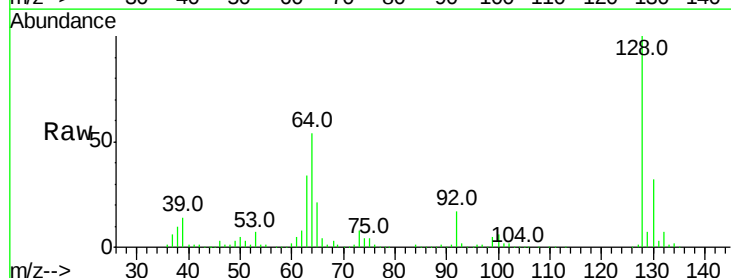
Tgt Ion: 128 Resp: 469525

Ion Ratio Lower Upper

128 100

130 32.2 13.0 53.0

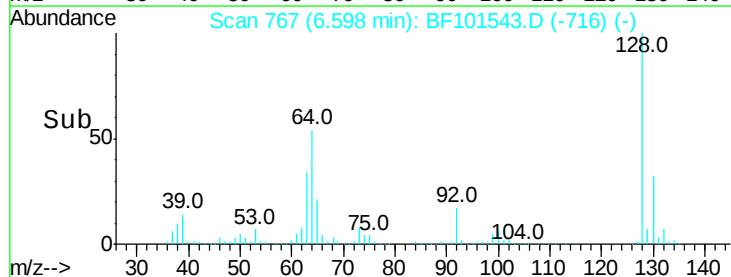
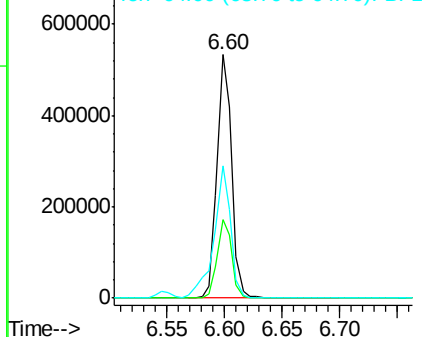
64 54.5 29.4 69.4

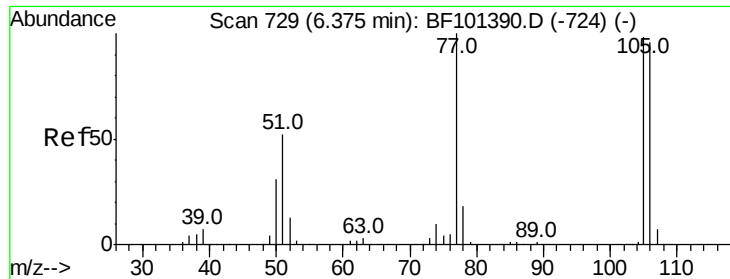


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 28.792 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF101543.D

Acq: 20 Dec 2017 1:49

Instrument :

BNA\_F

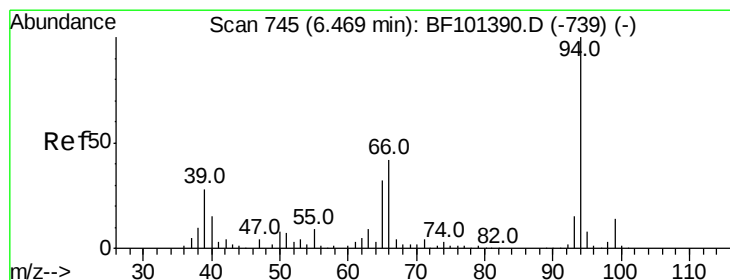
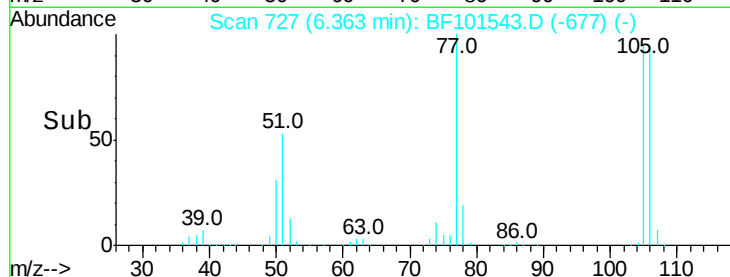
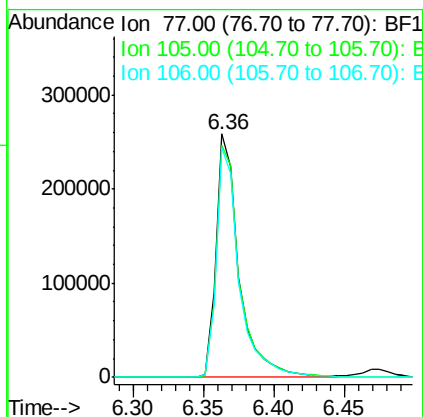
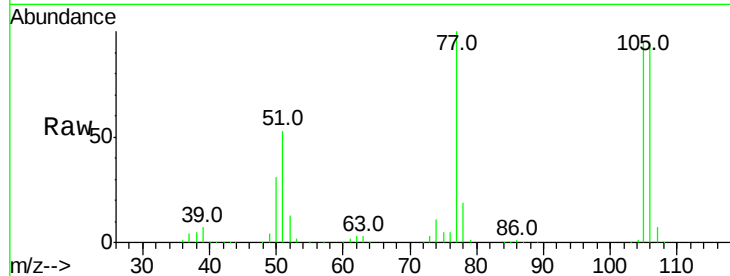
ClientSampleId :

PB105156BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 77    | Resp: | 293284 |
| Ion Ratio | Lower | Upper |        |
| 77        | 100   |       |        |
| 105       | 95.5  | 81.1  | 121.1  |
| 106       | 94.2  | 74.5  | 114.5  |

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#10

Phenol

Concen: 37.805 ng

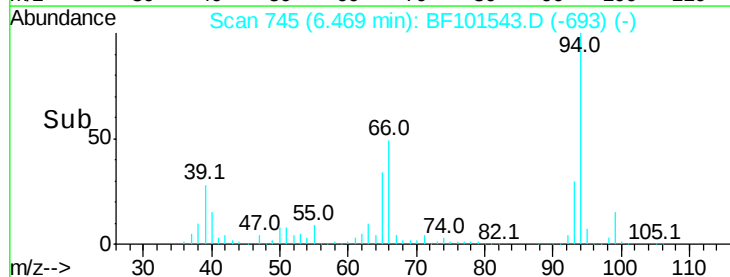
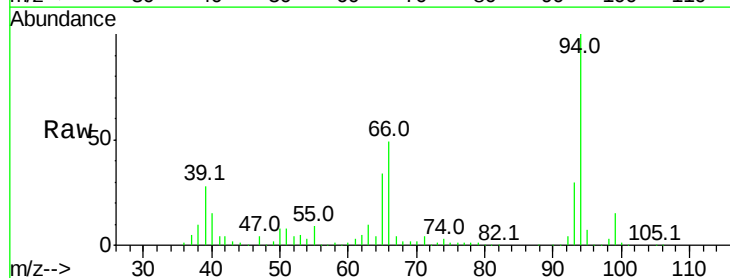
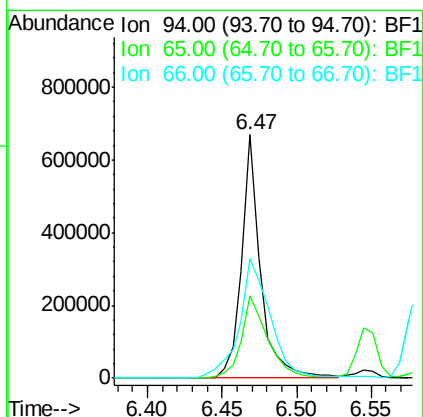
RT: 6.47 min Scan# 745

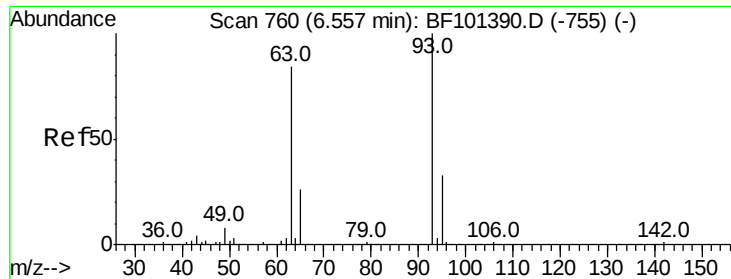
Delta R.T. 0.01 min

Lab File: BF101543.D

Acq: 20 Dec 2017 1:49

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 94    | Resp: | 594326 |
| Ion Ratio | Lower | Upper |        |
| 94        | 100   |       |        |
| 65        | 34.0  | 7.9   | 47.9   |
| 66        | 49.0  | 16.2  | 56.2   |





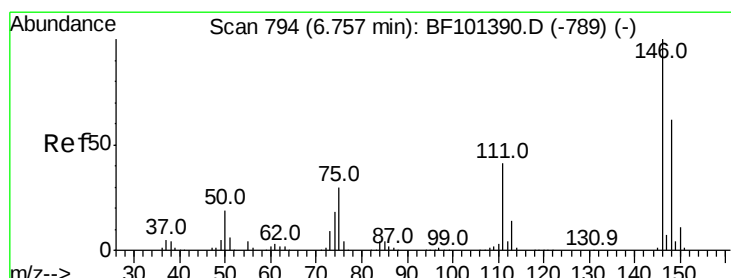
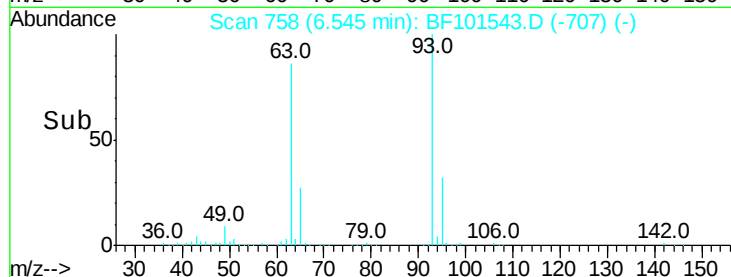
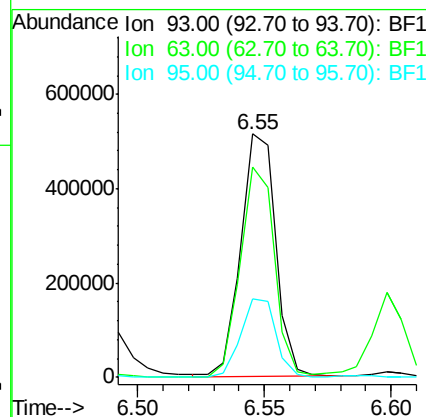
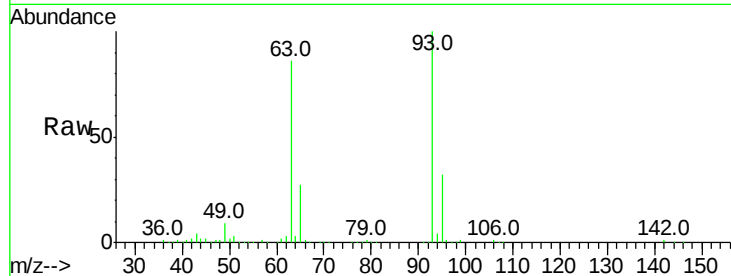
#11  
bis(2-Chloroethyl)ether  
Concen: 39.904 ng  
RT: 6.55 min Scan# 758  
Delta R.T. 0.00 min  
Lab File: BF101543.D  
Acq: 20 Dec 2017 1:49

Instrument :  
BNA\_F  
ClientSampleId :  
PB105156BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 93      | 100   | 492066 |       |       |
| 63      | 86.2  | 58.6   | 98.6  |       |
| 95      | 32.0  | 11.8   | 51.8  |       |

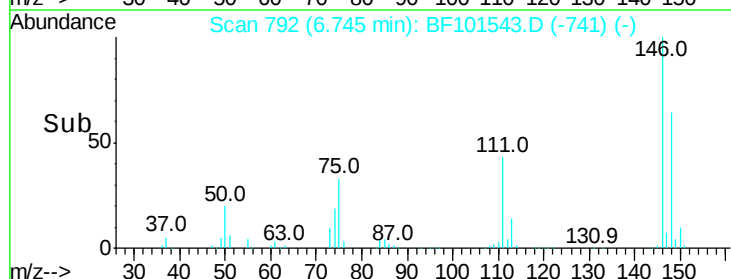
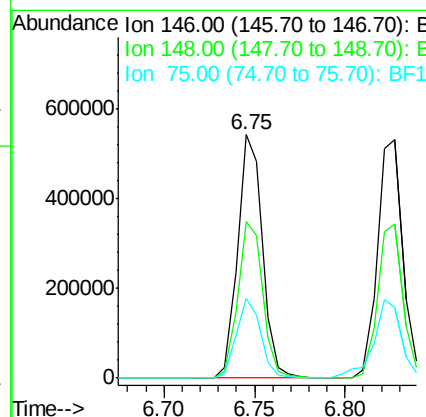
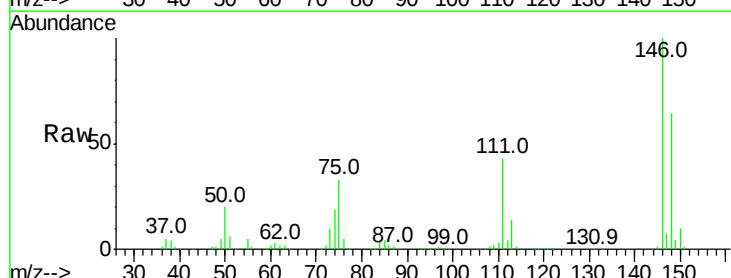
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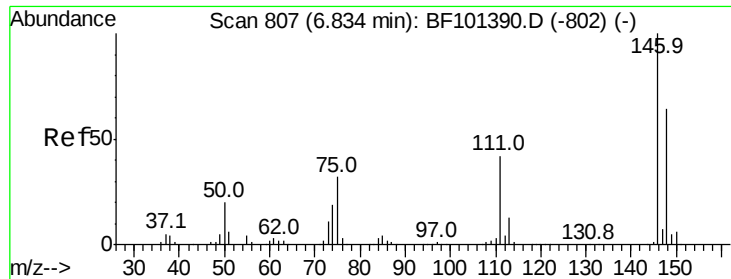
Sohil  
12/20/2017 3:48:15 PM



#12  
1,3-Dichlorobenzene  
Concen: 39.150 ng  
RT: 6.75 min Scan# 792  
Delta R.T. 0.00 min  
Lab File: BF101543.D  
Acq: 20 Dec 2017 1:49

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 515134 |       |       |
| 148     | 64.3  | 51.8   | 77.8  |       |
| 75      | 32.9  | 24.2   | 36.4  |       |





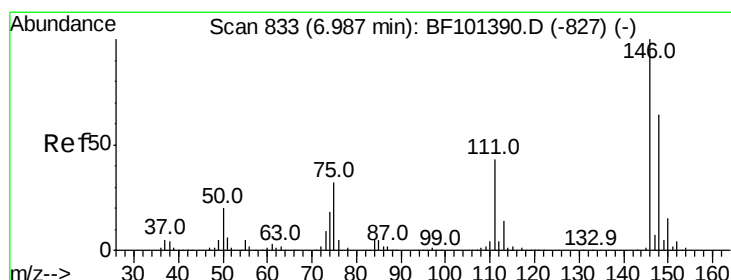
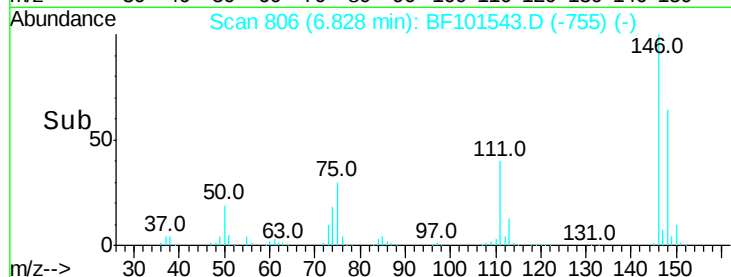
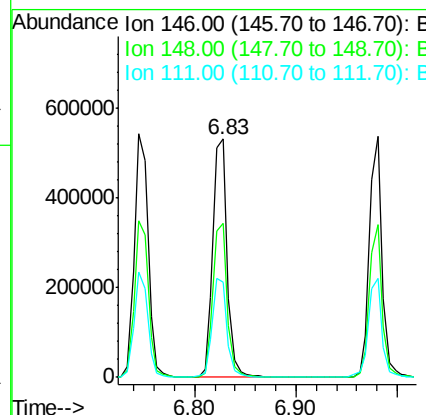
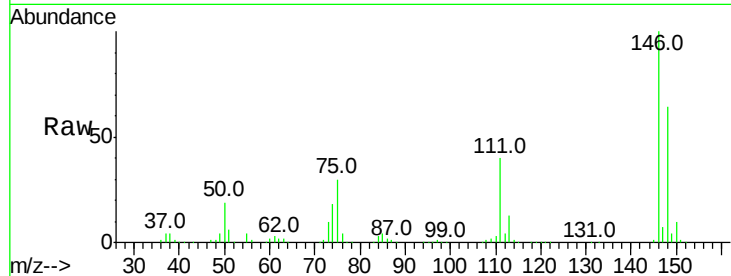
#13  
 1,4-Dichlorobenzene  
 Concen: 39.089 ng  
 RT: 6.83 min Scan# 806  
 Delta R.T. 0.00 min  
 Lab File: BF101543.D  
 Acq: 20 Dec 2017 1:49

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB105156BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 64.3  | 50.8  | 76.2  |
| 111     | 39.9  | 34.2  | 51.2  |

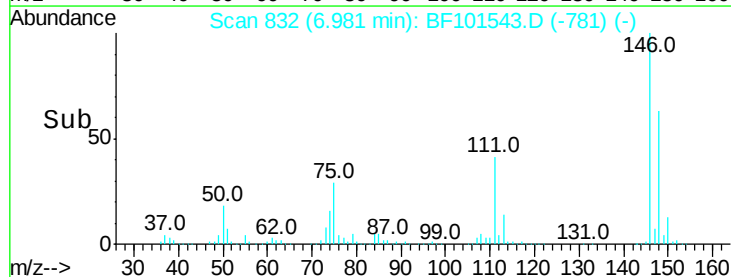
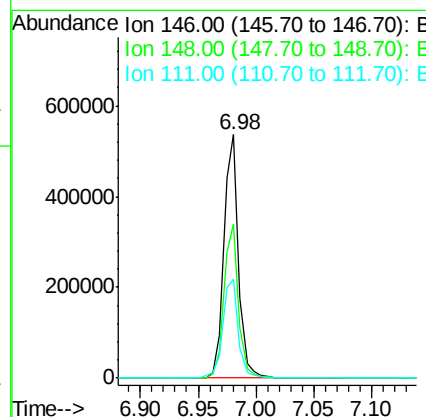
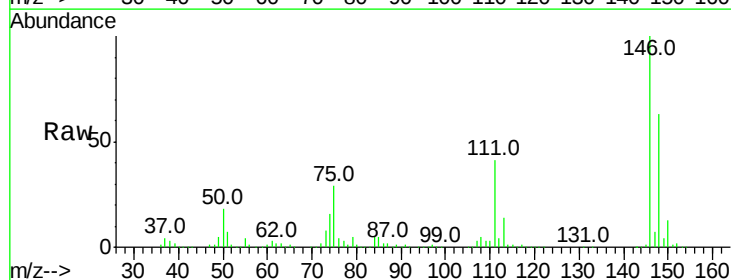
Manual Integrations  
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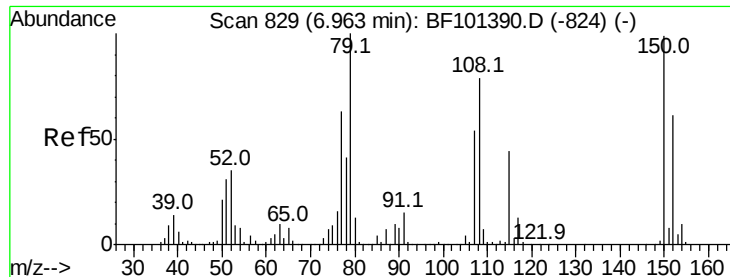
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 12/20/2017 3:48:15 PM



#14  
 1,2-Dichlorobenzene  
 Concen: 38.513 ng  
 RT: 6.98 min Scan# 832  
 Delta R.T. 0.00 min  
 Lab File: BF101543.D  
 Acq: 20 Dec 2017 1:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 63.3  | 50.6  | 75.8  |
| 111     | 40.9  | 36.0  | 54.0  |





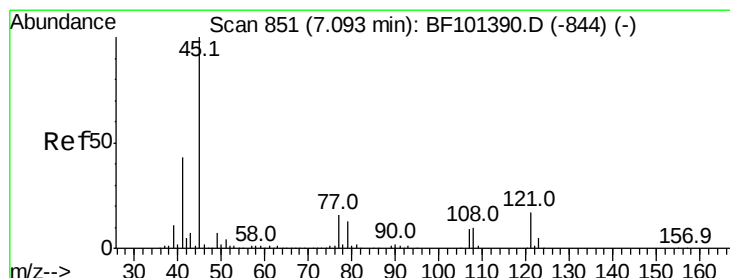
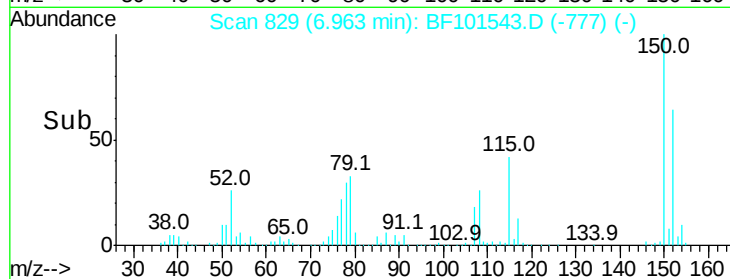
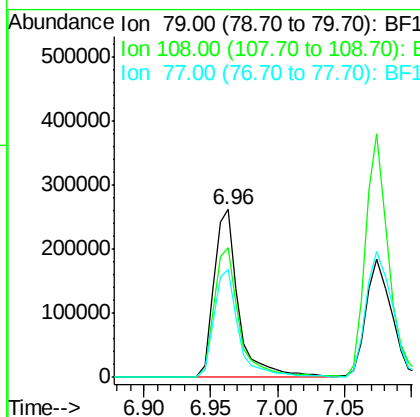
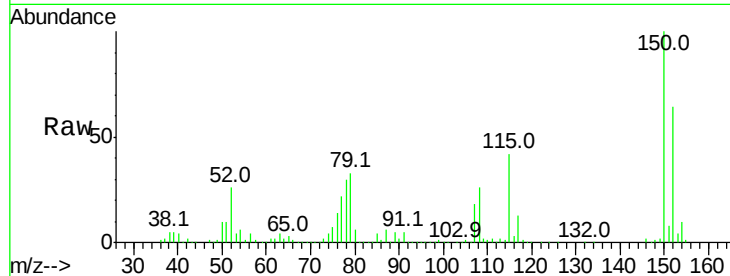
#15  
Benzyl Alcohol  
Concen: 35.935 ng  
RT: 6.96 min Scan# 829  
Delta R.T. 0.01 min  
Lab File: BF101543.D  
Acq: 20 Dec 2017 1:49

Instrument :  
BNA\_F  
ClientSampleId :  
PB105156BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 108     | 77.6  | 65.1  | 97.7  |
| 77      | 64.7  | 50.6  | 75.8  |

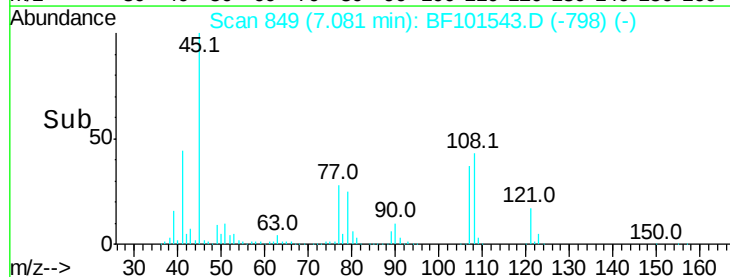
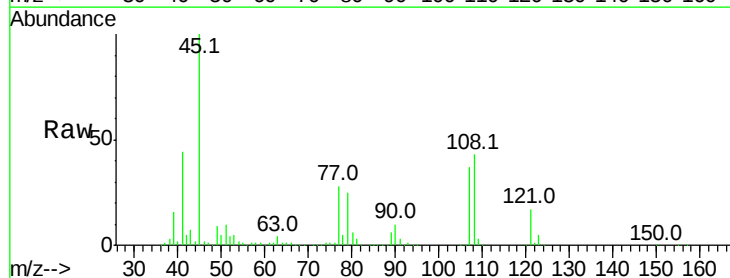
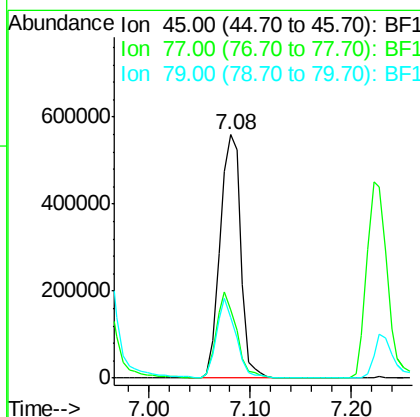
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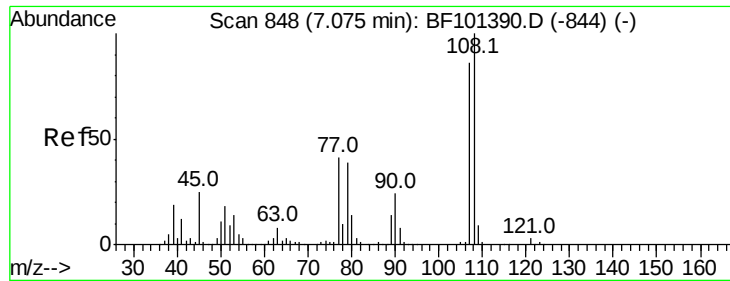
Sohil  
12/20/2017 3:48:15 PM



#16  
2,2'-oxybis(1-chloropropane)  
Concen: 41.884 ng  
RT: 7.08 min Scan# 849  
Delta R.T. 0.00 min  
Lab File: BF101543.D  
Acq: 20 Dec 2017 1:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 77      | 27.9  | 0.0   | 32.9  |
| 79      | 24.8  | 0.0   | 29.6  |





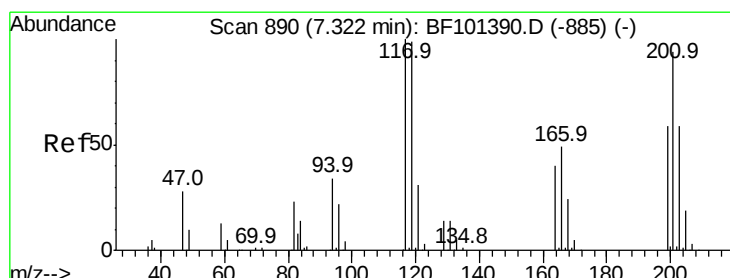
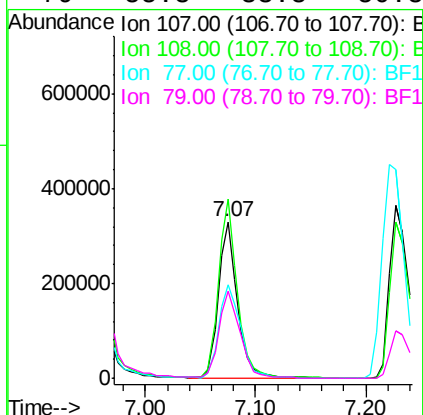
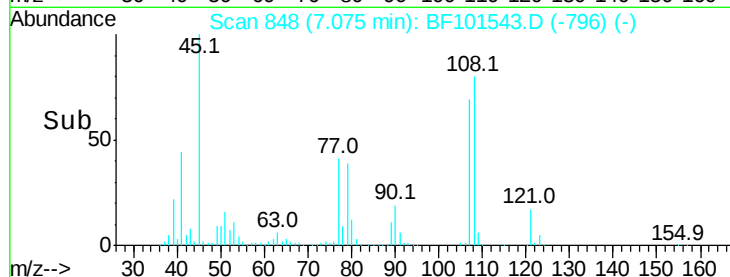
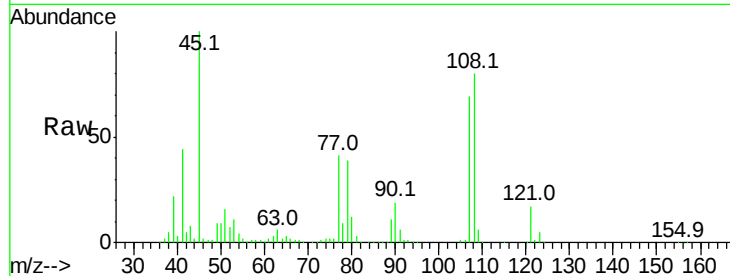
#17  
2-Methylphenol  
Concen: 36.429 ng  
RT: 7.07 min Scan# 848  
Delta R.T. 0.01 min  
Lab File: BF101543.D  
Acq: 20 Dec 2017 1:49

Instrument :  
BNA\_F  
ClientSampleId :  
PB105156BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 107     | 100   |      |       |       |
| 108     | 115.0 | 91.7 | 137.5 |       |
| 77      | 59.7  | 33.8 | 50.8# |       |
| 79      | 55.8  | 33.8 | 50.8# |       |

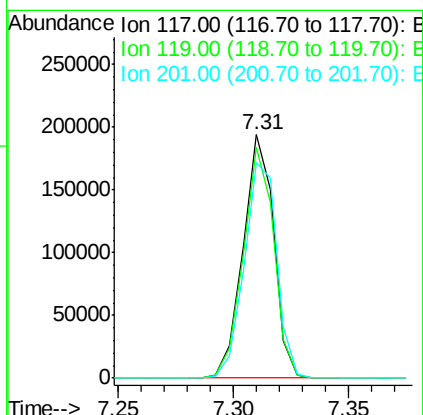
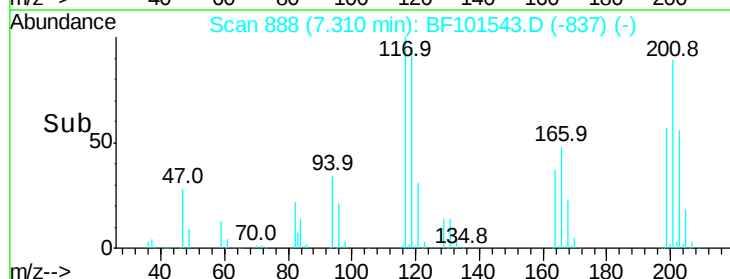
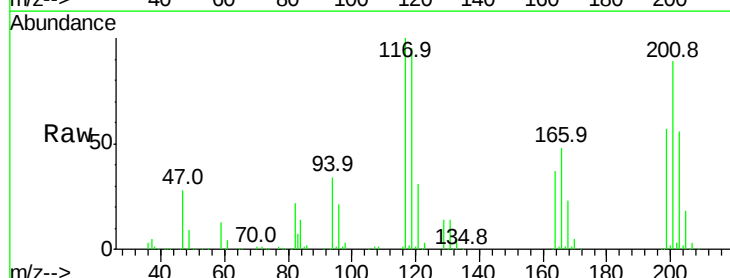
Manual Integrations  
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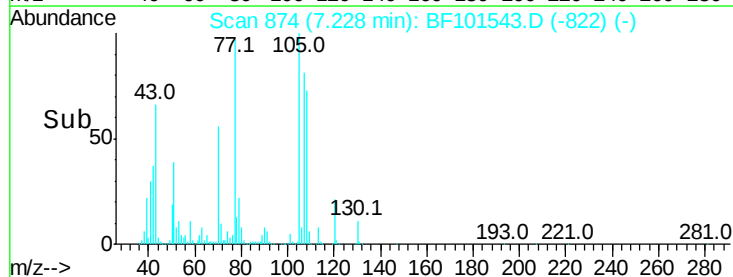
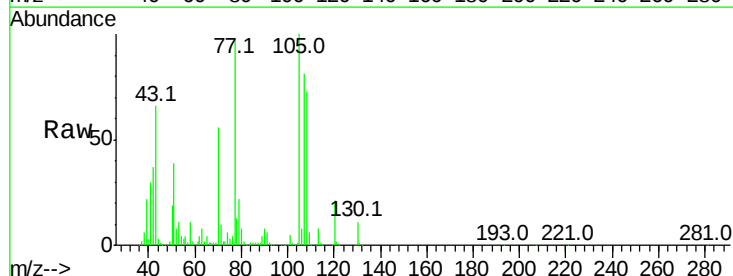
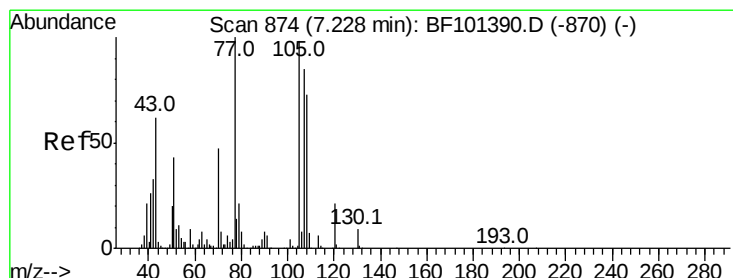
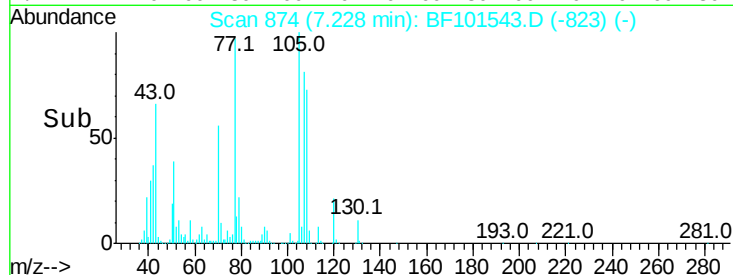
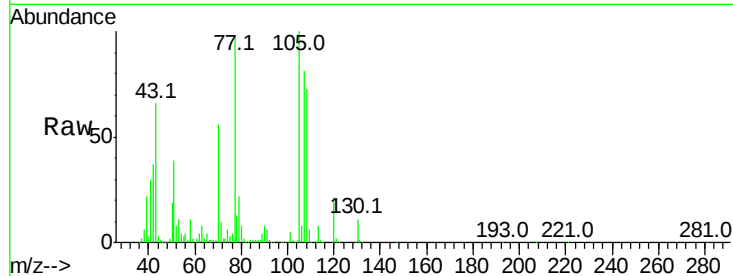
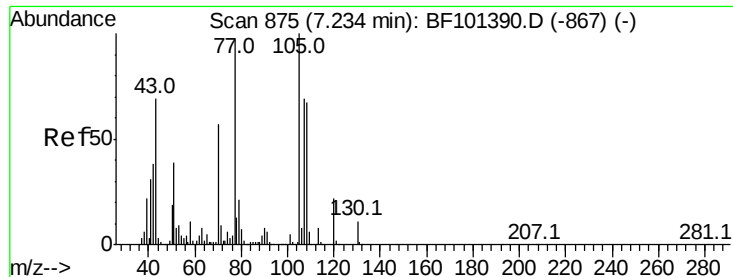
Sohil  
12/20/2017 3:48:15 PM



#18  
Hexachloroethane  
Concen: 38.585 ng  
RT: 7.31 min Scan# 888  
Delta R.T. 0.00 min  
Lab File: BF101543.D  
Acq: 20 Dec 2017 1:49

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 117     | 100   |      |       |       |
| 119     | 94.9  | 75.8 | 113.8 |       |
| 201     | 88.5  | 75.7 | 113.5 |       |





#19

n-Nitroso-di-n-propylamine

Concen: 36.698 ng

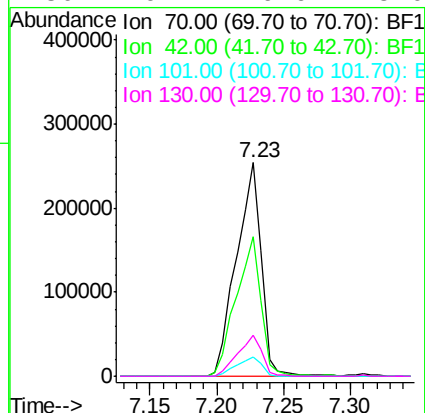
RT: 7.23 min Scan# 874

Delta R.T. 0.00 min

Lab File: BF101543.D

Acq: 20 Dec 2017 1:49

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 65.4  | 47.5  | 71.3  |
| 101     | 9.3   | 7.4   | 11.2  |
| 130     | 19.4  | 16.6  | 25.0  |



Instrument :

BNA\_F

ClientSampleId :

PB105156BS

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12/20/2017 3:48:15 PM

#20

3+4-Methylphenols

Concen: 42.310 ng

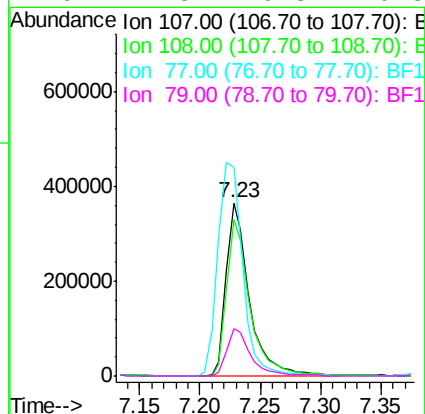
RT: 7.23 min Scan# 874

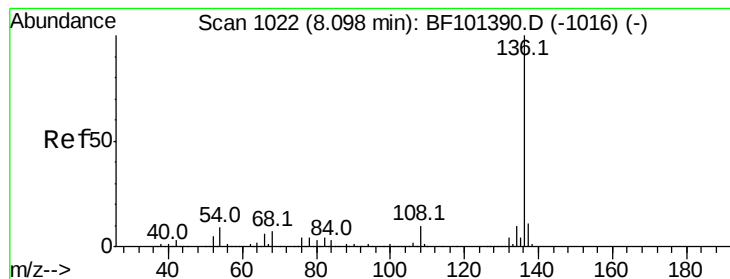
Delta R.T. 0.01 min

Lab File: BF101543.D

Acq: 20 Dec 2017 1:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 89.9  | 68.2  | 108.2 |
| 77      | 120.3 | 26.7  | 66.7# |
| 79      | 27.3  | 6.3   | 46.3  |





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. 0.00 min

Lab File: BF101543.D

Acq: 20 Dec 2017 1:49

Instrument :

BNA\_F

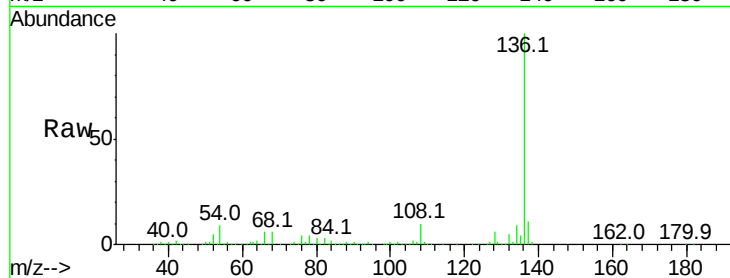
ClientSampleId :

PB105156BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 136     | 100   | 676404 |       |       |
| 137     | 11.1  | 8.9    | 13.3  |       |
| 54      | 8.7   | 6.6    | 9.8   |       |
| 68      | 6.5   | 5.0    | 7.4   |       |

Manual Integrations  
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12/20/2017 3:48:15 PM

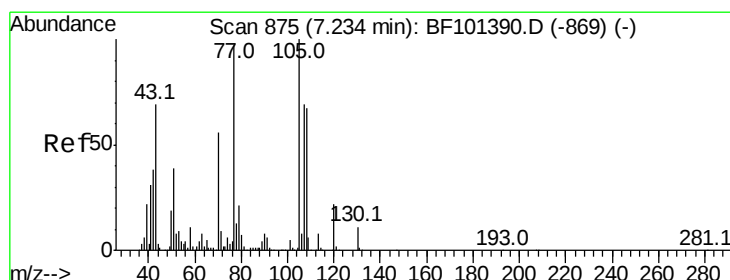
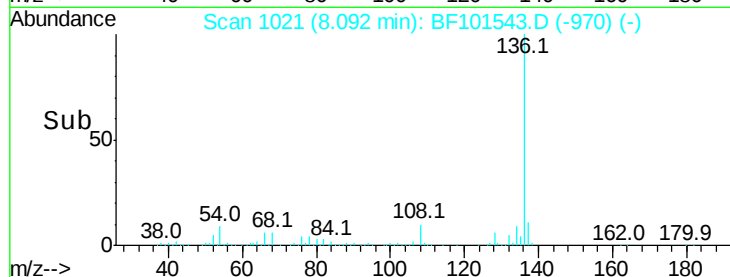
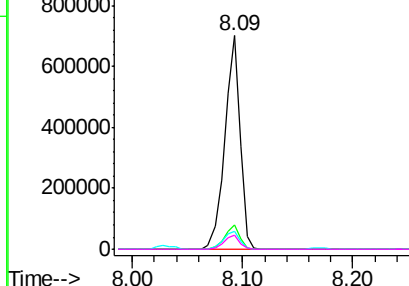


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 42.729 ng

RT: 7.22 min Scan# 873

Delta R.T. -0.01 min

Lab File: BF101543.D

Acq: 20 Dec 2017 1:49

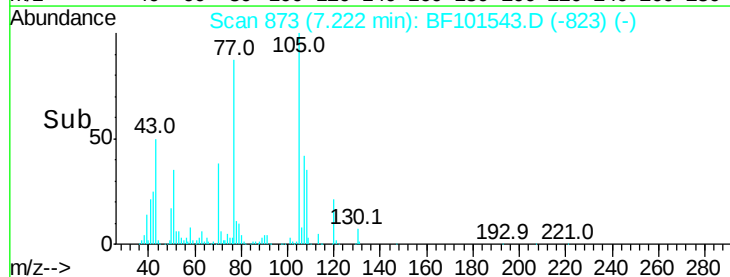
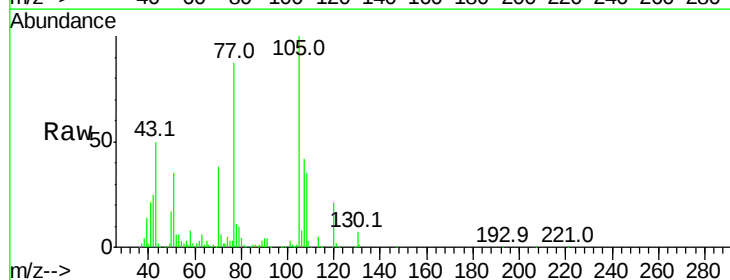
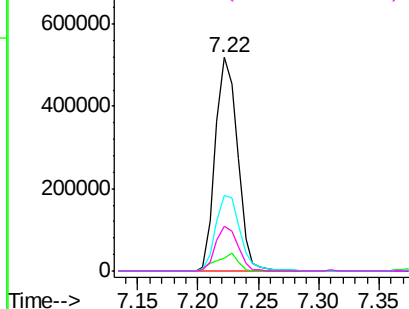
| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 659470 |       |       |
| 71      | 6.3   | 4.4    | 6.6   |       |
| 51      | 35.3  | 22.3   | 33.5# |       |
| 120     | 21.2  | 16.9   | 25.3  |       |

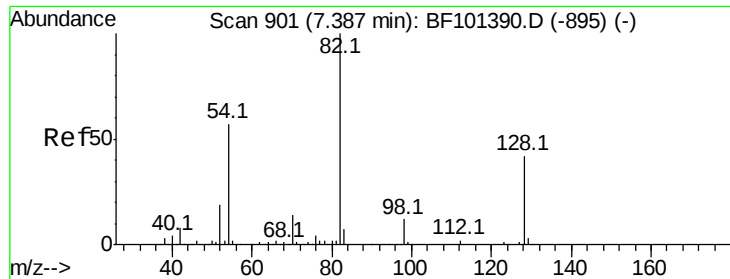
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E





#23  
 Nitrobenzene-d5  
 Concen: 95.817 ng  
 RT: 7.39 min Scan# 901  
 Delta R.T. 0.01 min  
 Lab File: BF101543.D  
 Acq: 20 Dec 2017 1:49

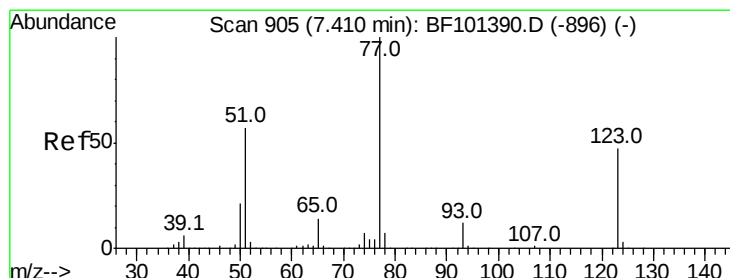
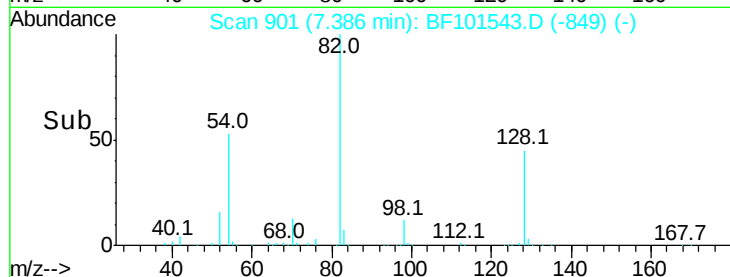
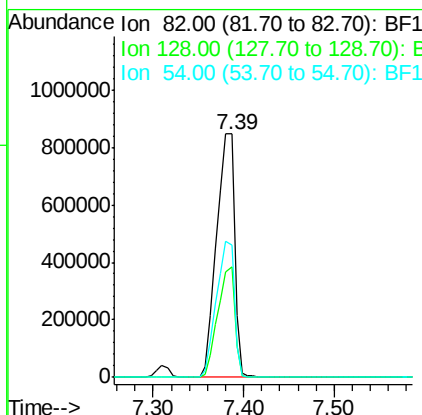
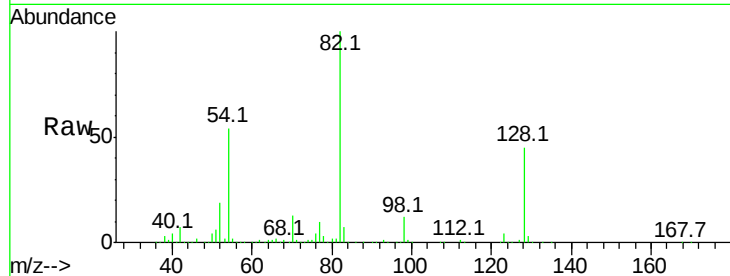
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB105156BS

Tot Ion: 82 Resp: 1164288  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 45.4  | 36.1  | 54.1  |
| 54  | 54.2  | 41.4  | 62.2  |

Manual Integrations  
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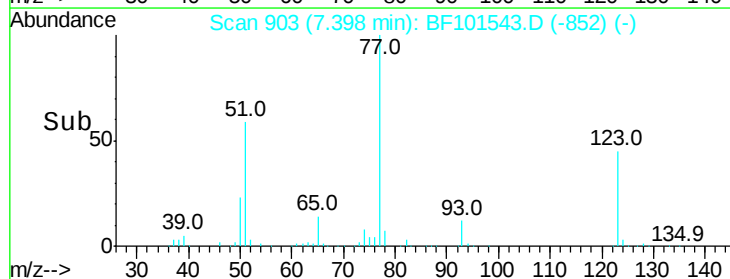
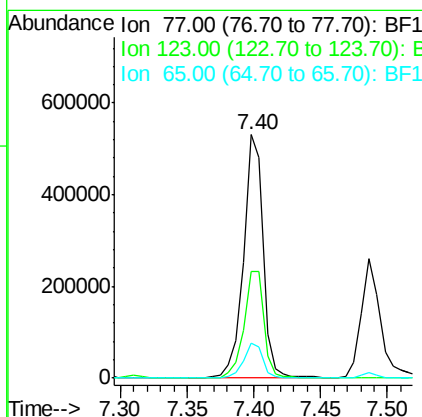
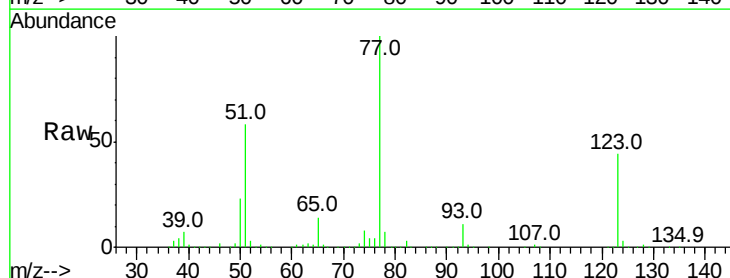
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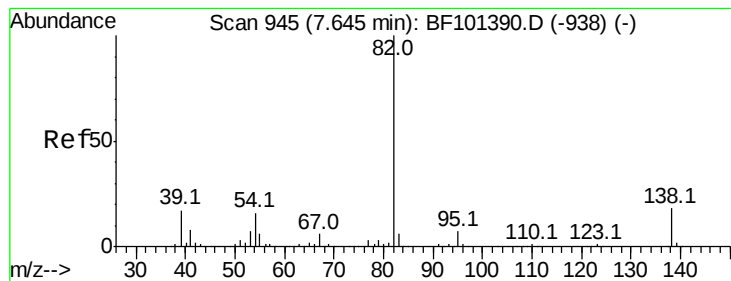


#24  
 Nitrobenzene  
 Concen: 39.871 ng  
 RT: 7.40 min Scan# 903  
 Delta R.T. 0.00 min  
 Lab File: BF101543.D  
 Acq: 20 Dec 2017 1:49

Tgt Ion: 77 Resp: 536203  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 123 | 43.7  | 37.9  | 56.9  |
| 65  | 14.2  | 11.0  | 16.4  |





#25

Isophorone

Concen: 41.773 ng

RT: 7.63 min Scan# 943

Delta R.T. 0.00 min

Lab File: BF101543.D

Acq: 20 Dec 2017 1:49

Instrument :

BNA\_F

ClientSampleId :

PB105156BS

Tot Ion: 82 Resp: 1018251

Ion Ratio Lower Upper

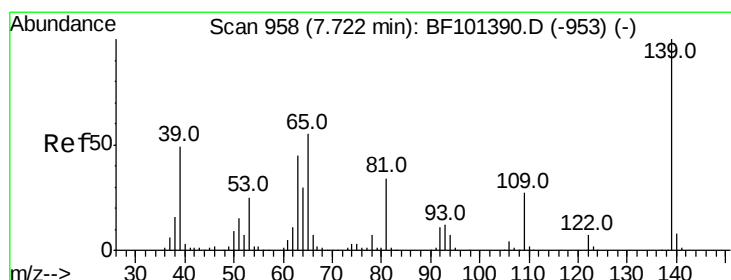
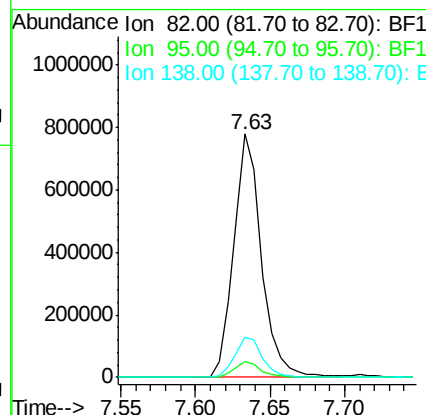
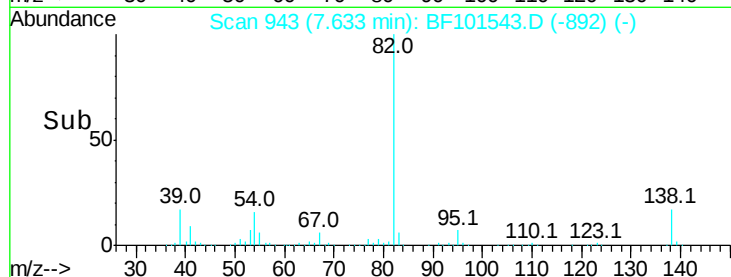
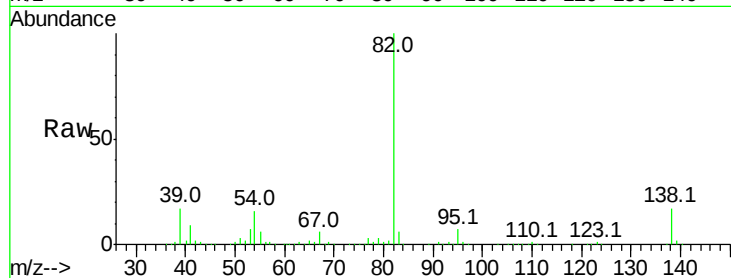
82 100

95 6.5 5.2 7.8

138 16.6 14.9 22.3

Manual Integrations  
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Sohil  
12/20/2017 3:48:15 PM



#26

2-Nitrophenol

Concen: 45.258 ng

RT: 7.72 min Scan# 957

Delta R.T. 0.00 min

Lab File: BF101543.D

Acq: 20 Dec 2017 1:49

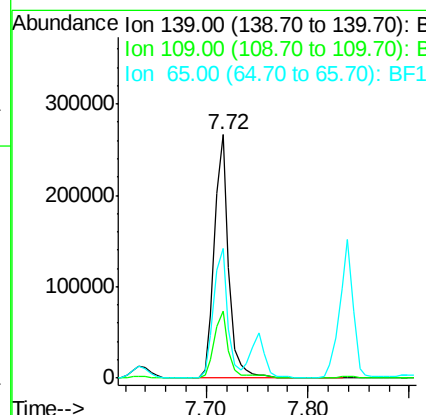
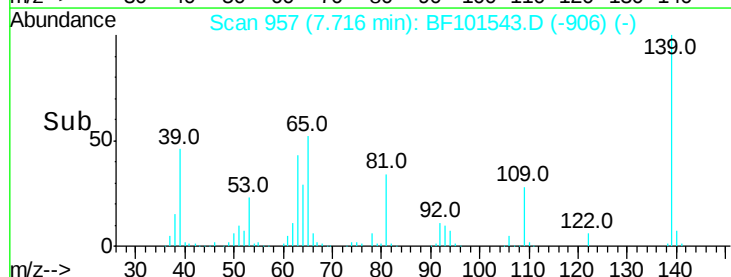
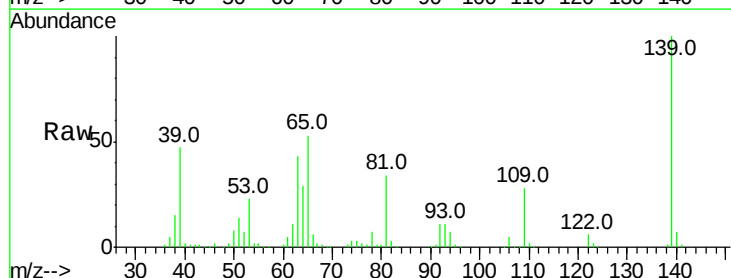
Tgt Ion: 139 Resp: 261483

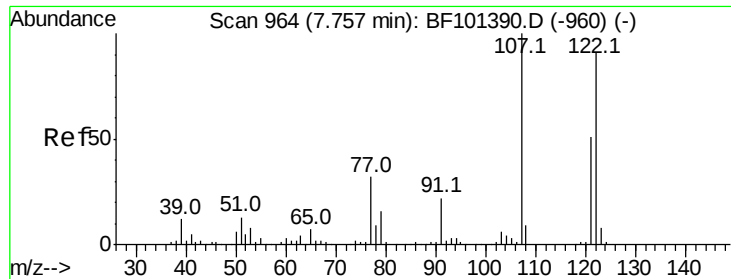
Ion Ratio Lower Upper

139 100

109 27.8 22.7 34.1

65 53.5 40.5 60.7





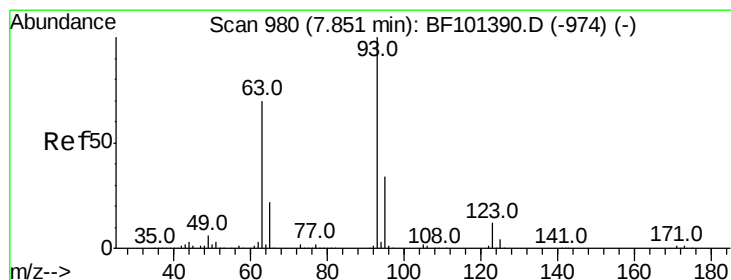
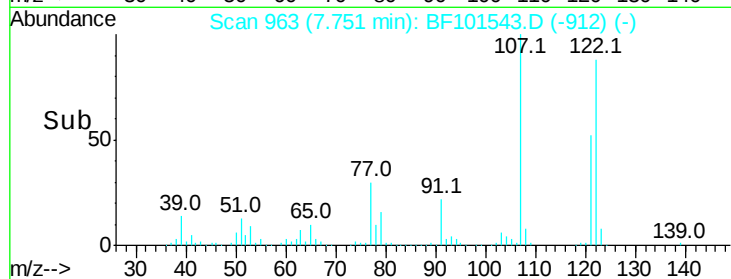
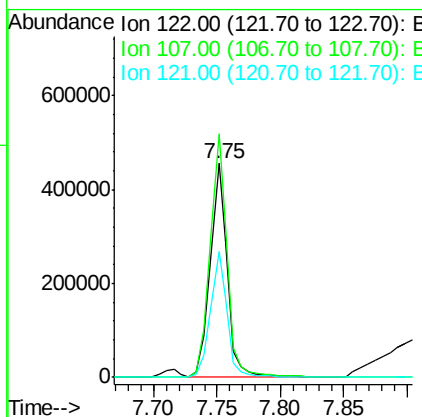
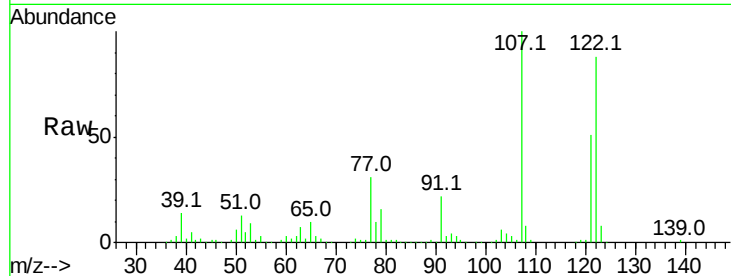
#27  
2,4-Dimethylphenol  
Concen: 43.870 ng  
RT: 7.75 min Scan# 963  
Delta R.T. 0.00 min  
Lab File: BF101543.D  
Acq: 20 Dec 2017 1:49

Instrument :  
BNA\_F  
ClientSampleId :  
PB105156BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 122     | 100   | 430597 |       |       |
| 107     | 114.0 |        | 91.2  | 136.8 |
| 121     | 58.7  |        | 47.2  | 70.8  |

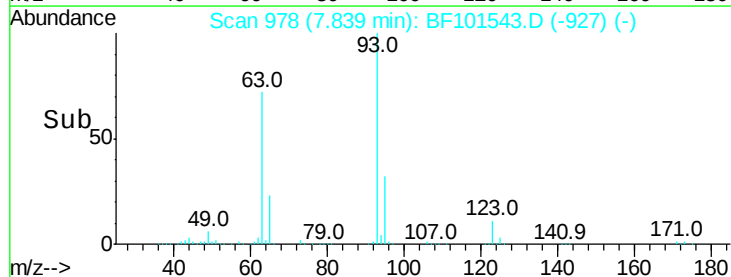
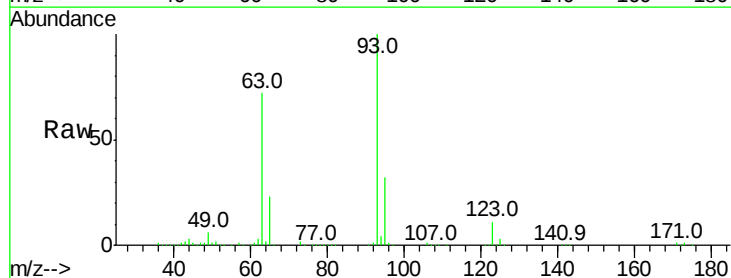
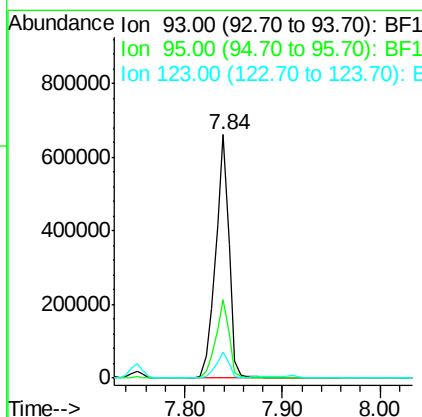
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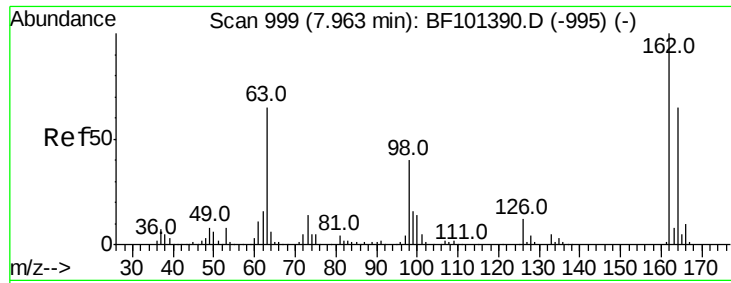
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12/20/2017 3:48:15 PM



#28  
bis(2-Chloroethoxy)methane  
Concen: 40.523 ng  
RT: 7.84 min Scan# 978  
Delta R.T. 0.00 min  
Lab File: BF101543.D  
Acq: 20 Dec 2017 1:49

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 93      | 100   | 627470 |       |       |
| 95      | 32.2  |        | 26.3  | 39.5  |
| 123     | 10.9  |        | 9.8   | 14.6  |





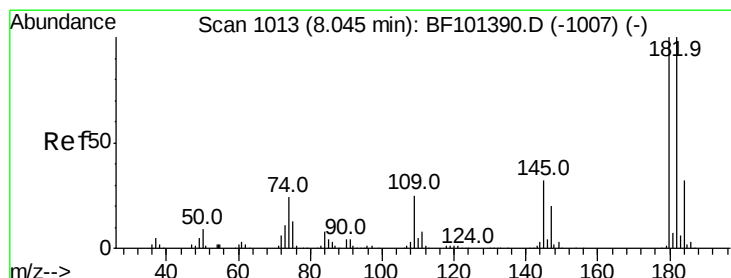
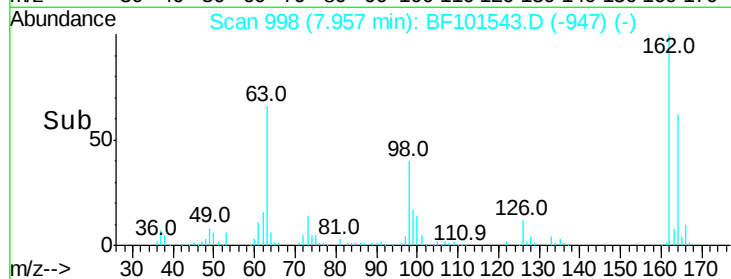
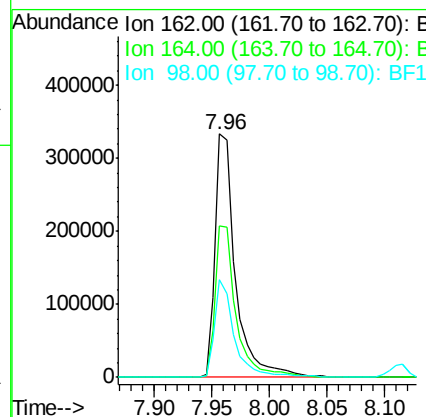
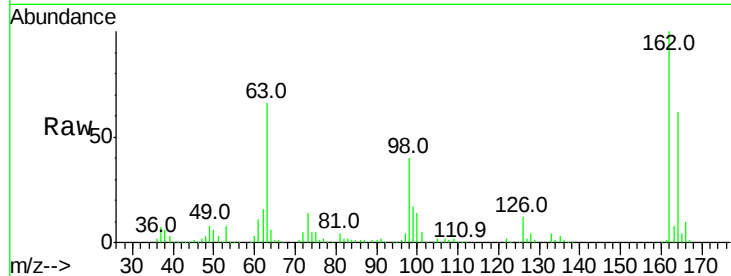
#29  
 2,4-Dichlorophenol  
 Concen: 42.447 ng  
 RT: 7.96 min Scan# 998  
 Delta R.T. 0.00 min  
 Lab File: BF101543.D  
 Acq: 20 Dec 2017 1:49

Instrument :  
 BNA\_F  
 ClientSampled :  
 PB105156BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 162     | 100   | 411613 |       |       |
| 164     | 62.5  | 42.7   | 82.7  |       |
| 98      | 39.9  | 18.1   | 58.1  |       |

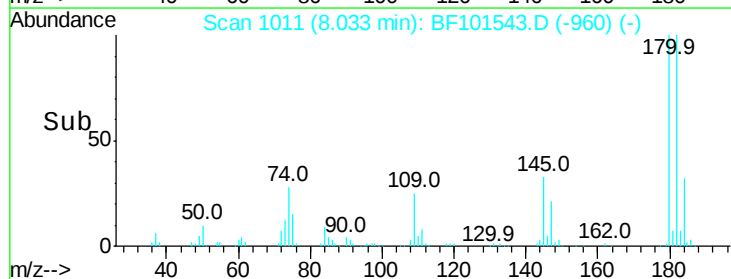
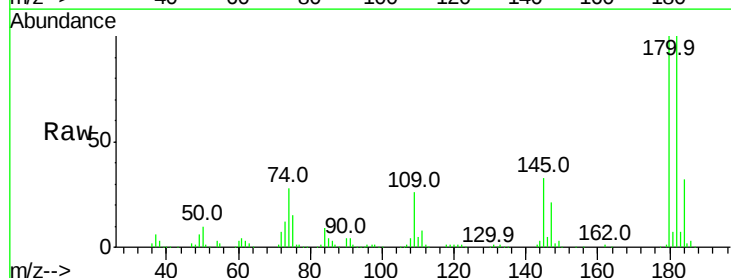
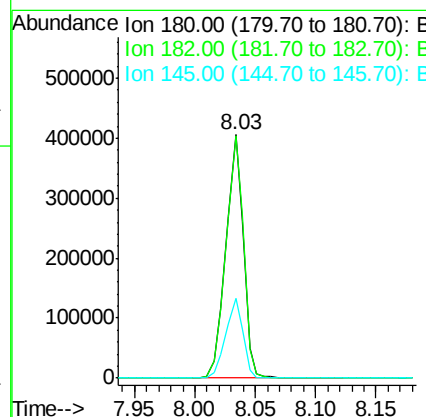
Manual Integrations  
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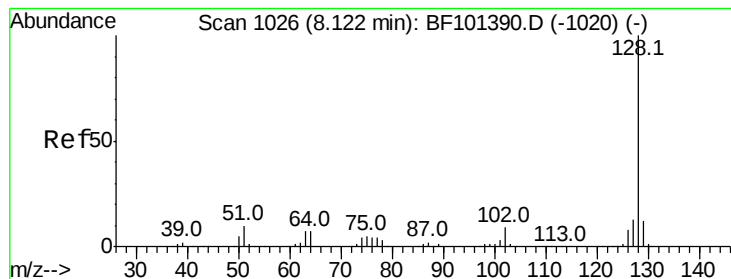
Sohil  
 12/20/2017 3:48:15 PM



#30  
 1,2,4-Trichlorobenzene  
 Concen: 39.589 ng  
 RT: 8.03 min Scan# 1011  
 Delta R.T. 0.00 min  
 Lab File: BF101543.D  
 Acq: 20 Dec 2017 1:49

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 405134 |       |       |
| 182     | 99.7  | 76.8   | 115.2 |       |
| 145     | 32.9  | 26.5   | 39.7  |       |





#31

Naphthalene

Concen: 38.965 ng

RT: 8.12 min Scan# 1025

Delta R.T. 0.00 min

Lab File: BF101543.D

Acq: 20 Dec 2017 1:49

Instrument :

BNA\_F

ClientSampleId :

PB105156BS

Tot Ion:128 Resp: 1326852

Ion Ratio Lower Upper

128 100

129 11.2 8.8 13.2

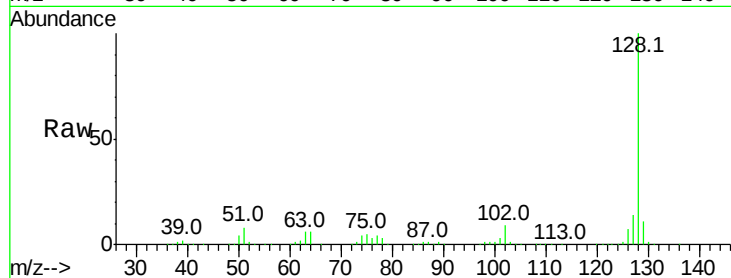
127 13.7 10.9 16.3

Manual Integrations

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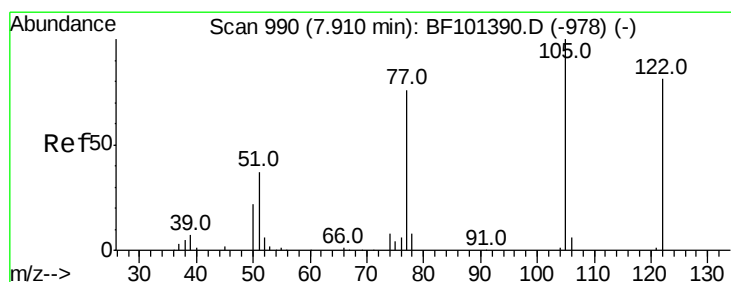
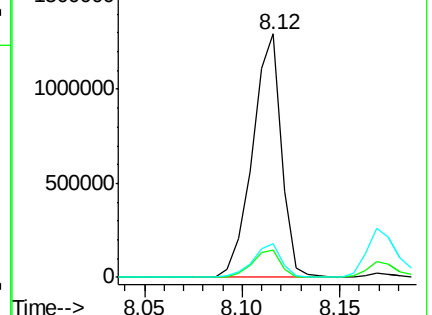
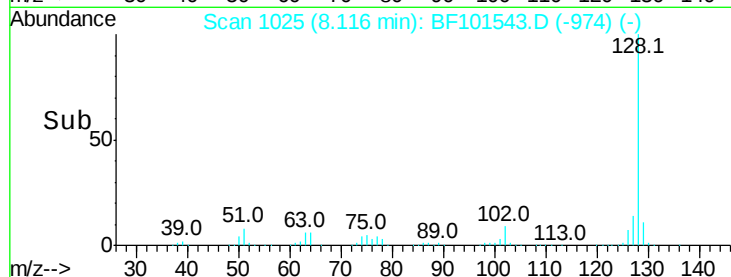
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 34.623 ng

RT: 7.91 min Scan# 990

Delta R.T. 0.00 min

Lab File: BF101543.D

Acq: 20 Dec 2017 1:49

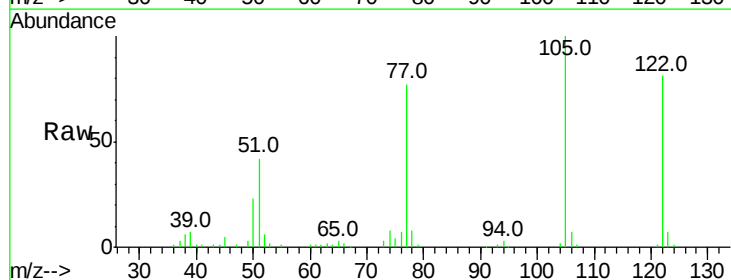
Tgt Ion:122 Resp: 211397

Ion Ratio Lower Upper

122 100

105 124.2 101.1 141.1

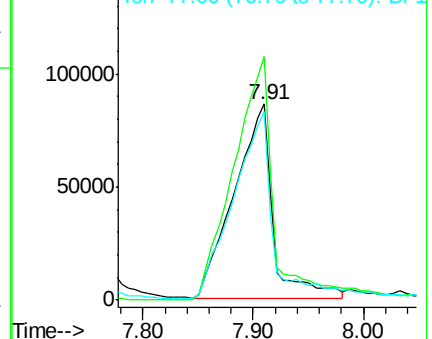
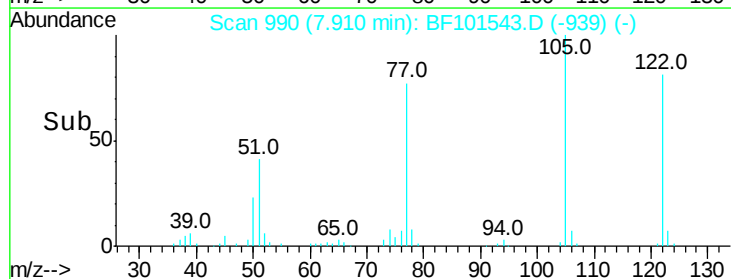
77 96.2 70.7 110.7

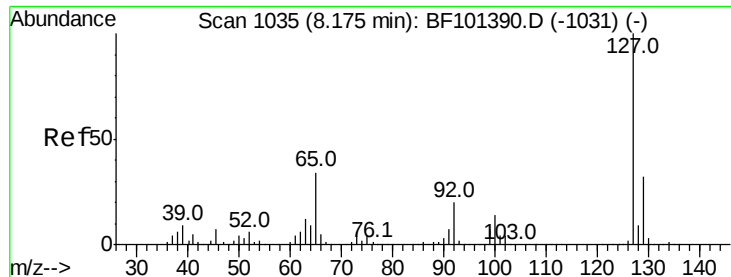


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





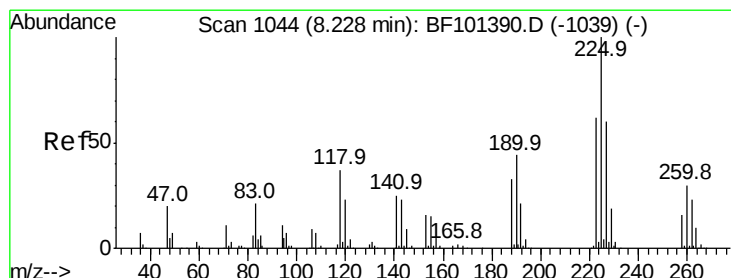
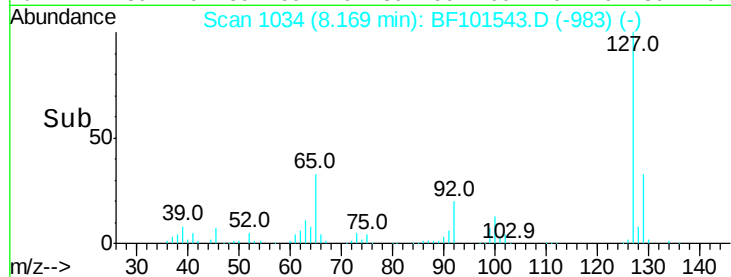
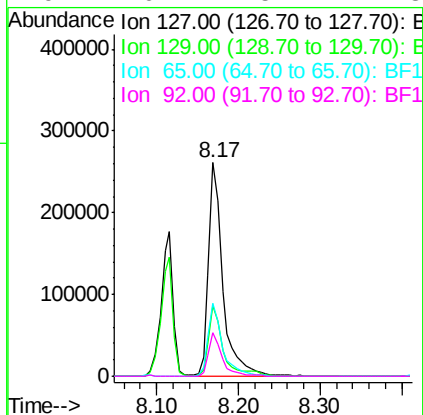
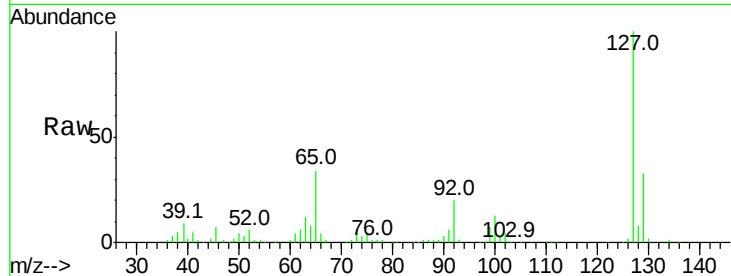
#33  
4-Chloroaniline  
Concen: 21.646 ng  
RT: 8.17 min Scan# 1034  
Delta R.T. 0.00 min  
Lab File: BF101543.D  
Acq: 20 Dec 2017 1:49

Instrument :  
BNA\_F  
ClientSampleId :  
PB105156BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 127     | 100   |       |       |
| 129     | 33.3  | 25.9  | 38.9  |
| 65      | 34.2  | 25.0  | 37.4  |
| 92      | 20.2  | 15.2  | 22.8  |

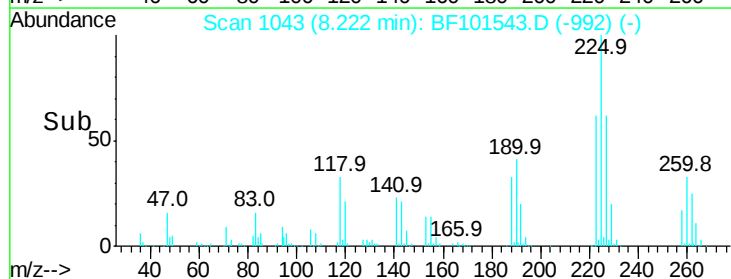
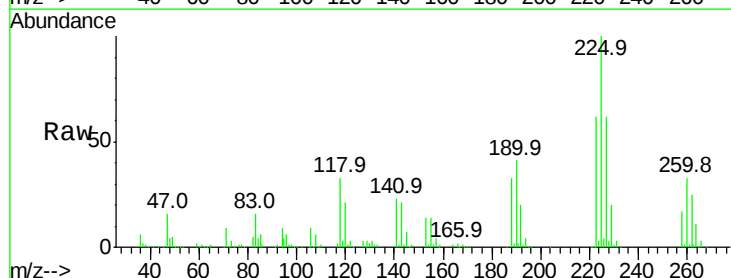
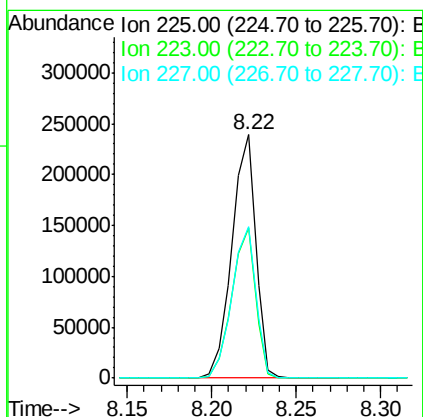
Manual Integrations  
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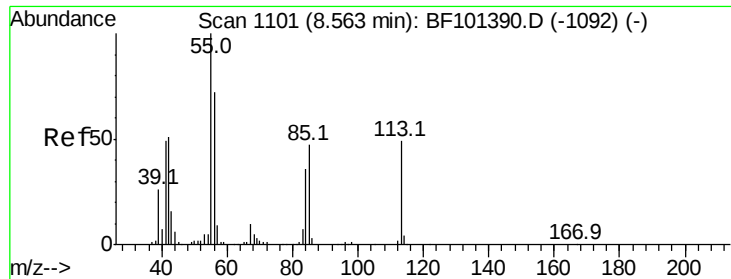
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12/20/2017 3:48:15 PM



#34  
Hexachlorobutadiene  
Concen: 39.705 ng  
RT: 8.22 min Scan# 1043  
Delta R.T. 0.00 min  
Lab File: BF101543.D  
Acq: 20 Dec 2017 1:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 61.9  | 50.6  | 76.0  |
| 227     | 62.0  | 51.9  | 77.9  |





#35

Caprolactam

Concen: 44.048 ng/ml

RT: 8.56 min Scan# 1100

Delta R.T. 0.00 min

Lab File: BF101543.D

Acq: 20 Dec 2017 1:49

Instrument :

BNA\_F

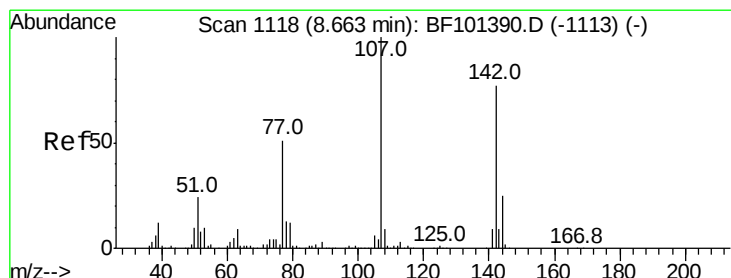
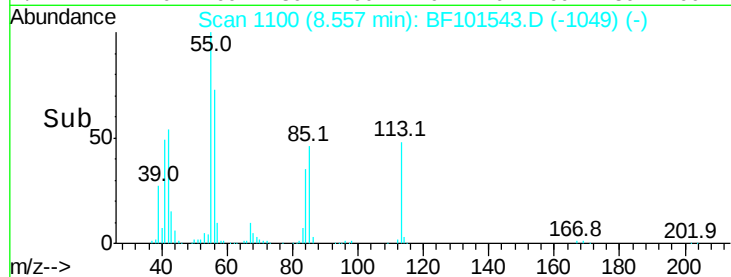
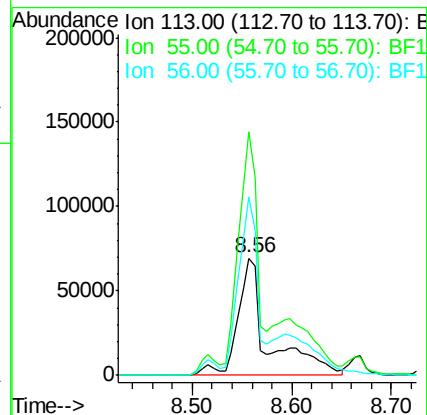
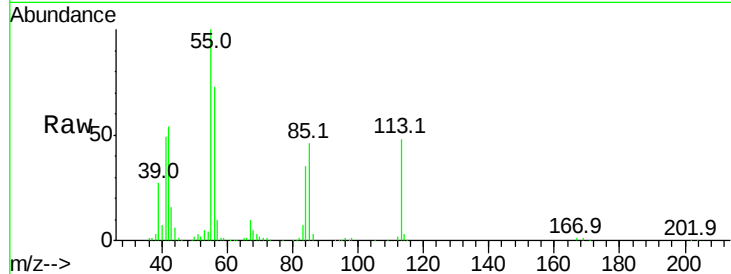
ClientSampleId :

PB105156BS

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 113     | 100   |       |        |
| 55      | 207.2 | 163.3 | 203.3# |
| 56      | 151.4 | 115.7 | 155.7  |

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12/20/2017 3:48:15 PM



#36

4-Chloro-3-methylphenol

Concen: 41.392 ng/ml

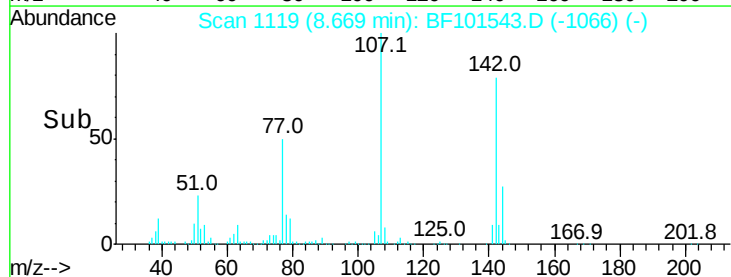
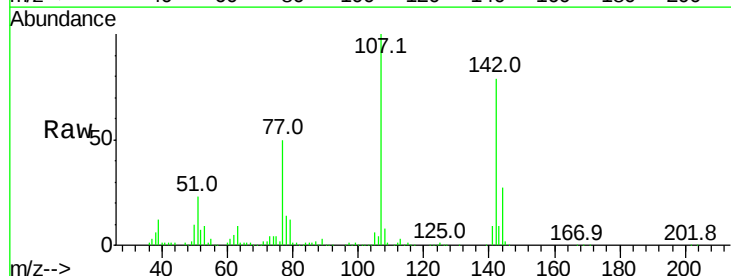
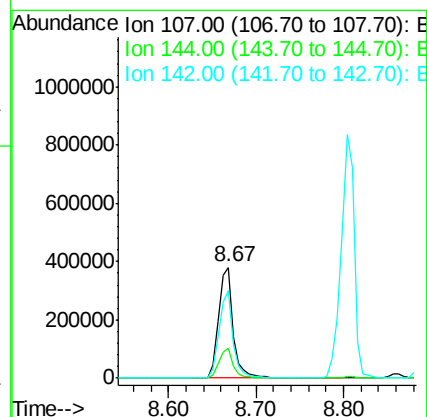
RT: 8.67 min Scan# 1119

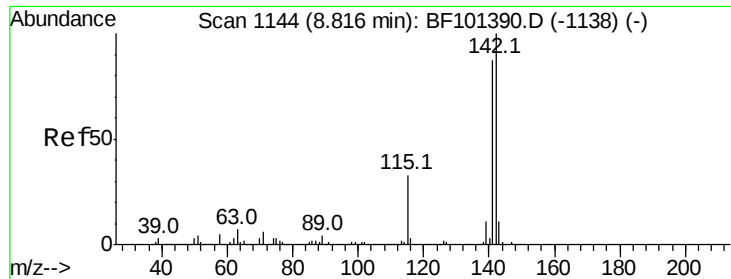
Delta R.T. 0.01 min

Lab File: BF101543.D

Acq: 20 Dec 2017 1:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 144     | 26.9  | 20.5  | 30.7  |
| 142     | 78.8  | 62.0  | 93.0  |





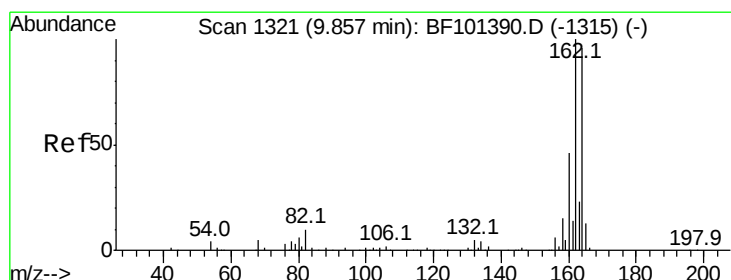
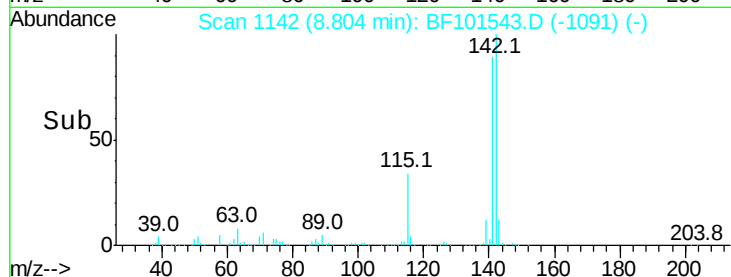
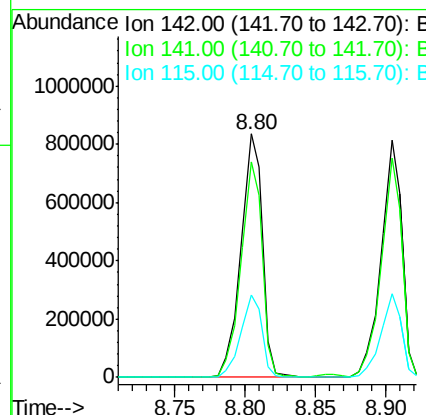
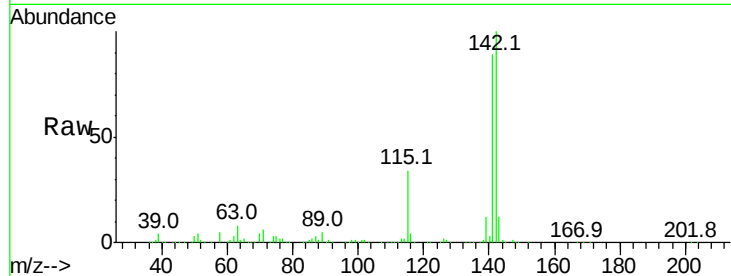
#37  
 2-Methylnaphthalene  
 Concen: 39.758 ng  
 RT: 8.80 min Scan# 1142  
 Delta R.T. 0.00 min  
 Lab File: BF101543.D  
 Acq: 20 Dec 2017 1:49

Instrument :  
 BNA\_F  
 ClientSampleID :  
 PB105156BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 142     | 100   | 882071 |       |       |
| 141     | 88.7  |        | 70.8  | 106.2 |
| 115     | 34.0  |        | 26.1  | 39.1  |

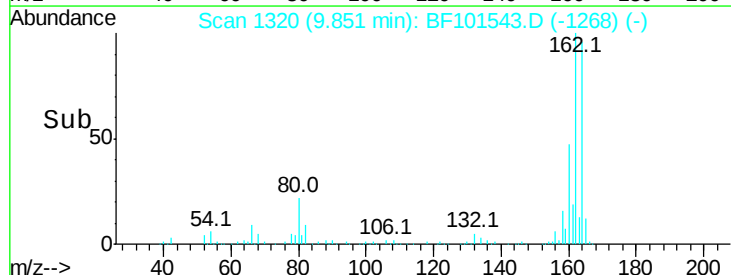
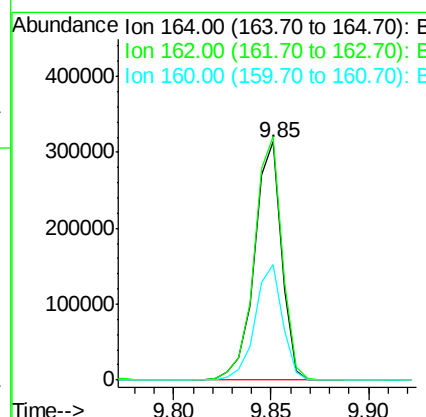
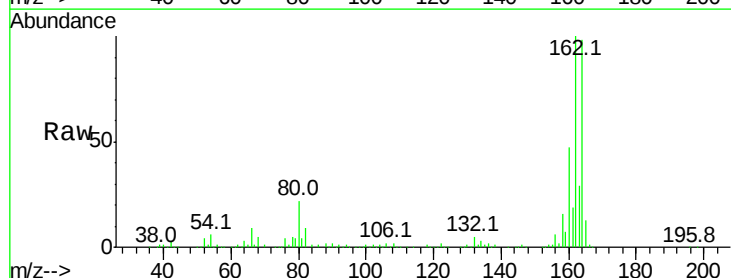
Manual Integrations  
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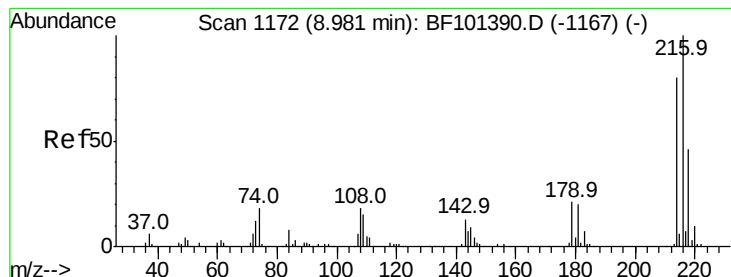
Sohil  
 12/20/2017 3:48:15 PM



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.85 min Scan# 1320  
 Delta R.T. 0.01 min  
 Lab File: BF101543.D  
 Acq: 20 Dec 2017 1:49

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 164     | 100   | 301983 |       |       |
| 162     | 102.3 |        | 86.1  | 129.1 |
| 160     | 48.5  |        | 38.3  | 57.5  |





#39

1,2,4,5-Tetrachlorobenzene

Concen: 40.971 ng

RT: 8.97 min Scan# 1171

Delta R.T. 0.00 min

Lab File: BF101543.D

Acq: 20 Dec 2017 1:49

Instrument :

BNA\_F

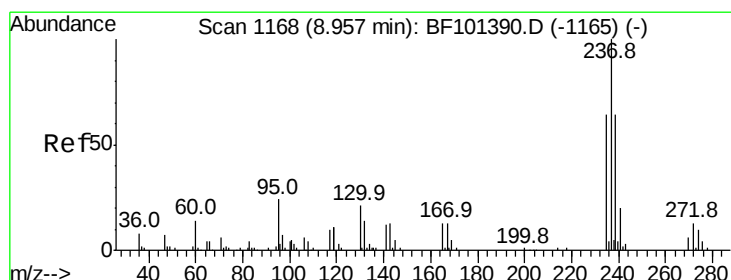
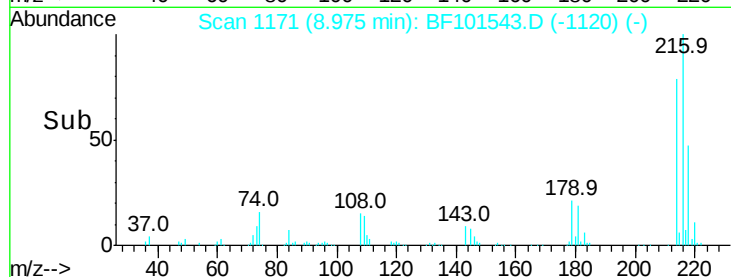
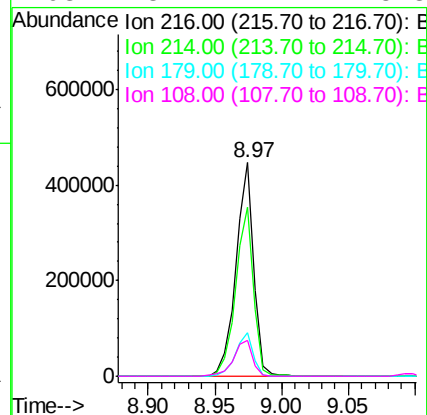
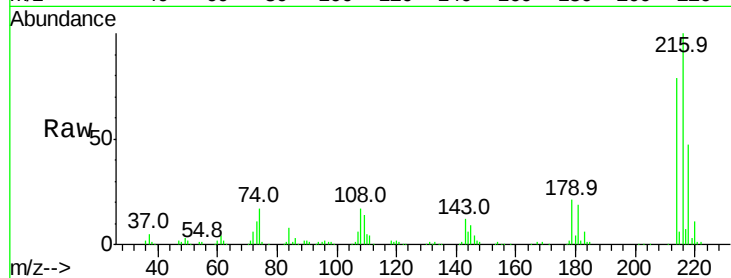
ClientSampleId :

PB105156BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 216     | 100   | 417729 |       |       |
| 214     | 80.2  | 63.0   | 94.4  |       |
| 179     | 20.5  | 18.1   | 27.1  |       |
| 108     | 18.4  | 17.2   | 25.8  |       |

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#40

Hexachlorocyclopentadiene

Concen: 31.344 ng

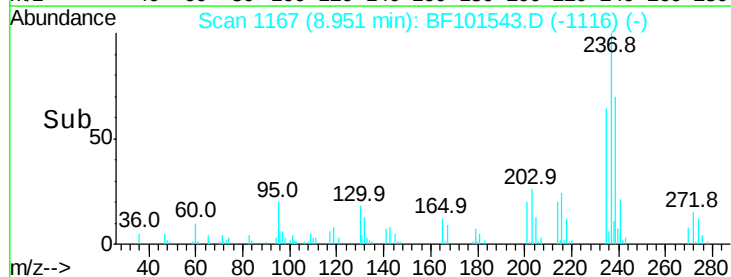
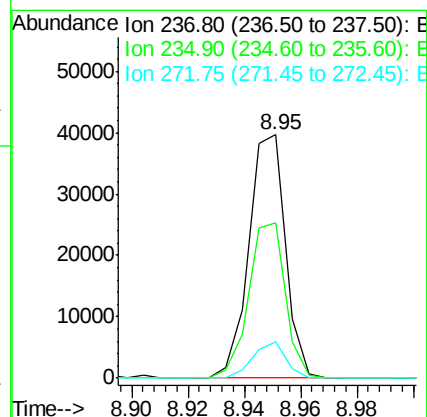
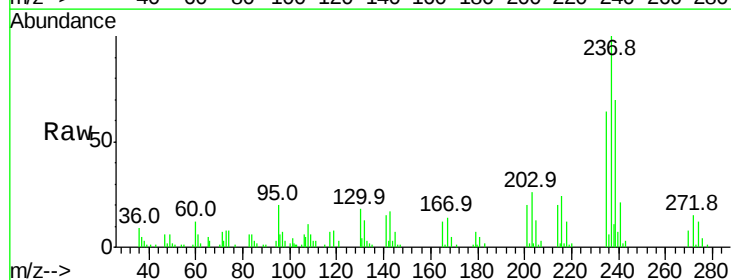
RT: 8.95 min Scan# 1167

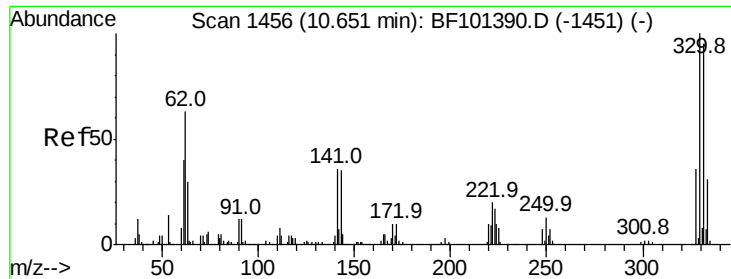
Delta R.T. 0.00 min

Lab File: BF101543.D

Acq: 20 Dec 2017 1:49

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 237     | 100   | 35670 |       |       |
| 235     | 63.7  | 44.8  | 84.8  |       |
| 272     | 14.7  | 0.0   | 33.3  |       |





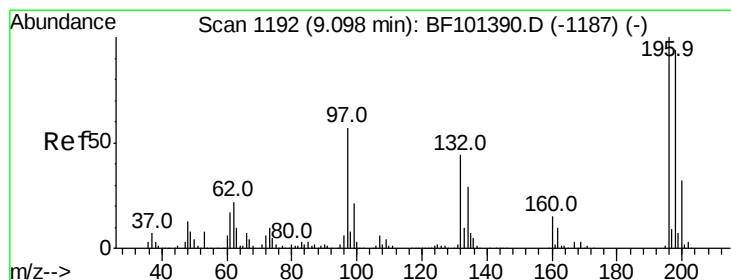
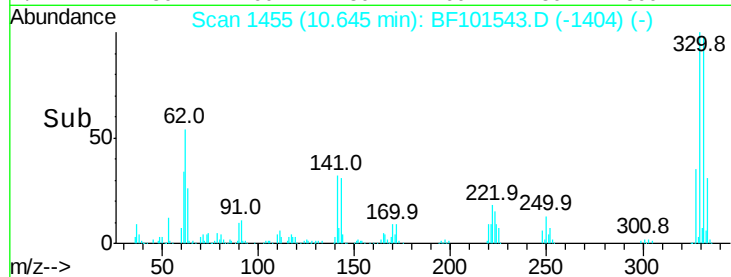
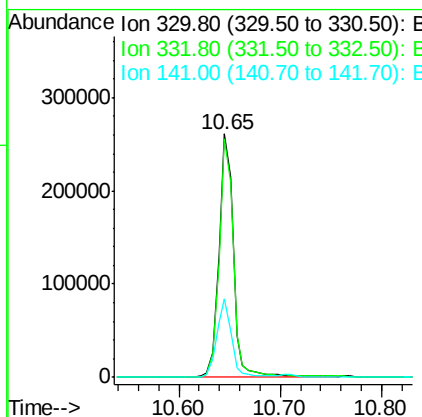
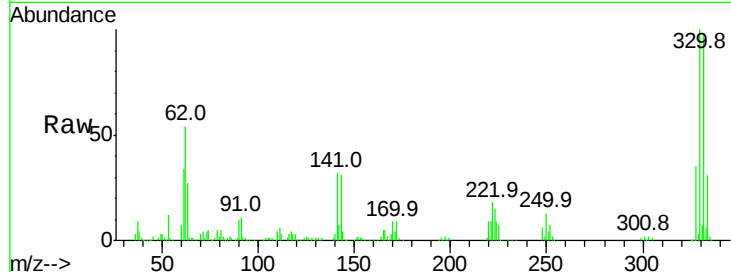
#41  
 2,4,6-Tribromophenol  
 Concen: 90.066 ng  
 RT: 10.65 min Scan# 1455  
 Delta R.T. 0.00 min  
 Lab File: BF101543.D  
 Acq: 20 Dec 2017 1:49

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB105156BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 330     | 100   | 262078 |       |       |
| 332     | 98.0  | 77.0   | 115.6 |       |
| 141     | 32.5  | 29.9   | 44.9  |       |

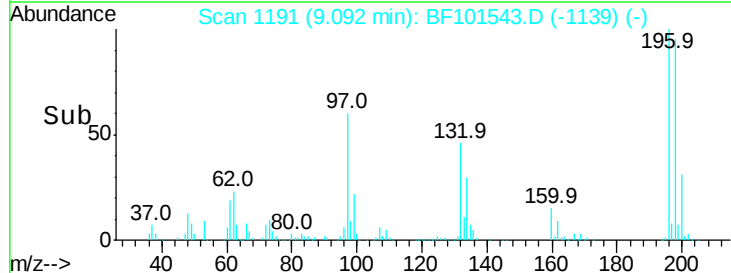
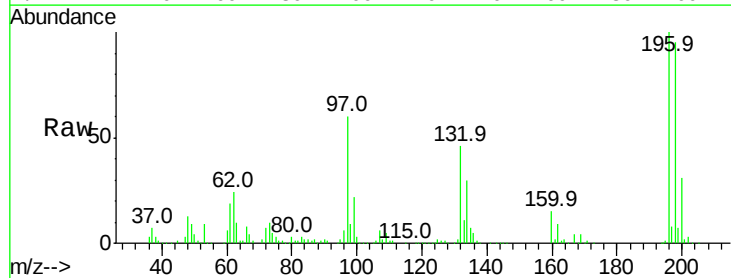
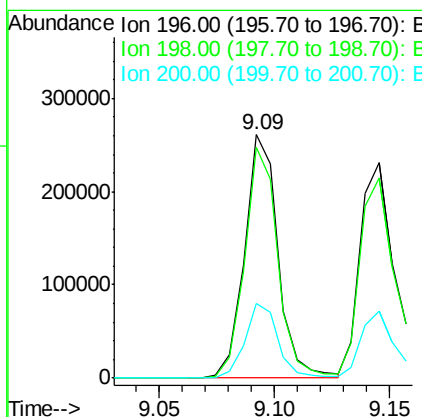
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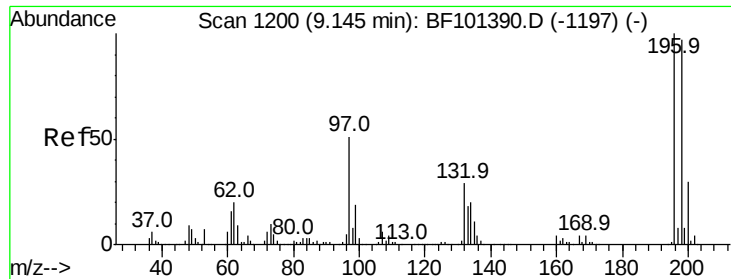
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 12/20/2017 3:48:15 PM



#42  
 2,4,6-Trichlorophenol  
 Concen: 43.155 ng  
 RT: 9.09 min Scan# 1191  
 Delta R.T. 0.01 min  
 Lab File: BF101543.D  
 Acq: 20 Dec 2017 1:49

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 264890 |       |       |
| 198     | 94.9  | 75.7   | 113.5 |       |
| 200     | 30.8  | 24.5   | 36.7  |       |





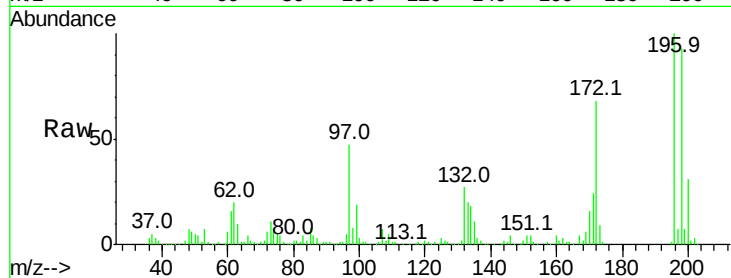
#43  
 2,4,5-Trichlorophenol  
 Concen: 39.504 ng  
 RT: 9.15 min Scan# 1200  
 Delta R.T. 0.01 min  
 Lab File: BF101543.D  
 Acq: 20 Dec 2017 1:49

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB105156BS

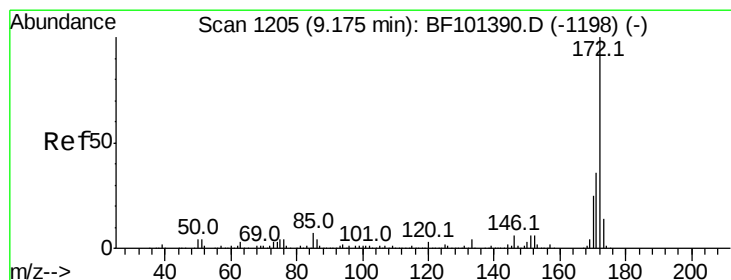
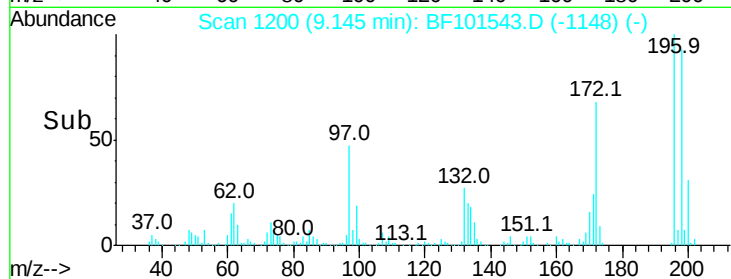
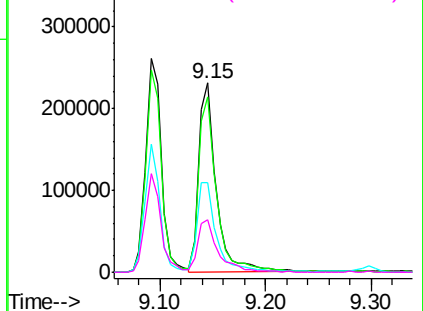
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 196   | Resp: | 265501 |
| Ion Ratio | Lower | Upper |        |
| 196       | 100   |       |        |
| 198       | 92.5  | 74.6  | 112.0  |
| 97        | 47.2  | 42.9  | 64.3   |
| 132       | 27.5  | 26.3  | 39.5   |

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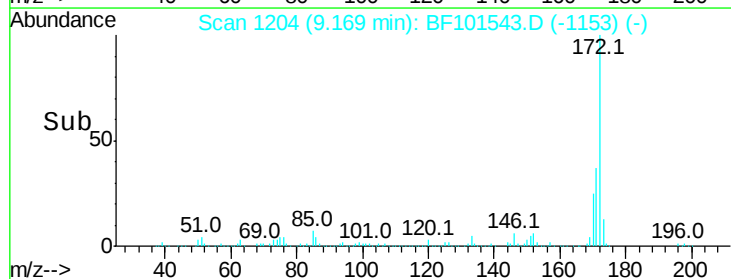
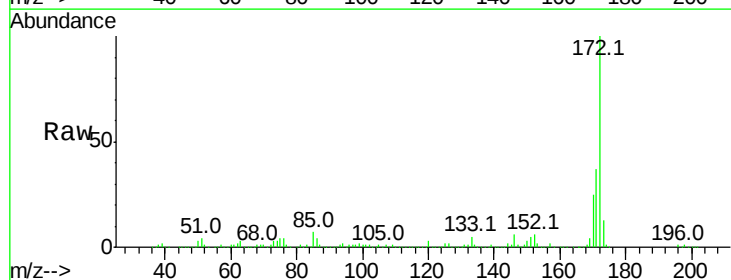
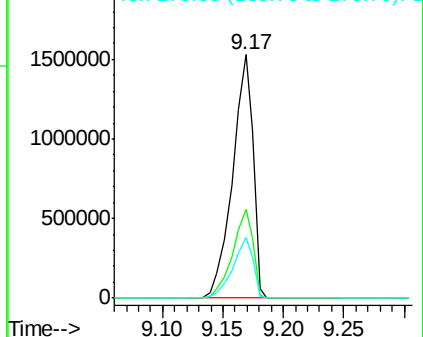
Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 97.00 (96.70 to 97.70): BF1  
 Ion 132.00 (131.70 to 132.70): E

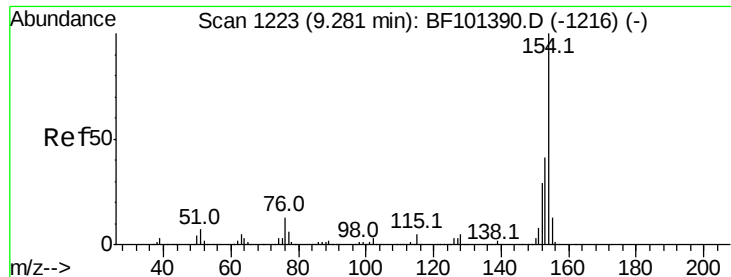


#44  
 2-Fluorobiphenyl  
 Concen: 92.716 ng  
 RT: 9.17 min Scan# 1204  
 Delta R.T. 0.00 min  
 Lab File: BF101543.D  
 Acq: 20 Dec 2017 1:49

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 172   | Resp: | 1804916 |
| Ion Ratio | Lower | Upper |         |
| 172       | 100   |       |         |
| 171       | 36.7  | 29.7  | 44.5    |
| 170       | 24.8  | 19.6  | 29.4    |

Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 40.081 ng

RT: 9.27 min Scan# 1221

Delta R.T. 0.00 min

Lab File: BF101543.D

Acq: 20 Dec 2017 1:49

Instrument :

BNA\_F

ClientSampled :

PB105156BS

Tot Ion:154 Resp: 1073428

Ion Ratio Lower Upper

154 100

153 40.9 21.3 61.3

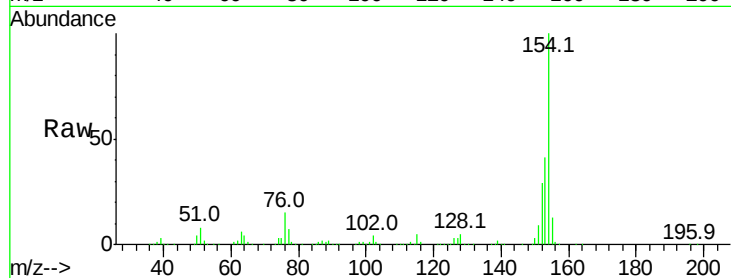
76 14.5 0.0 34.0

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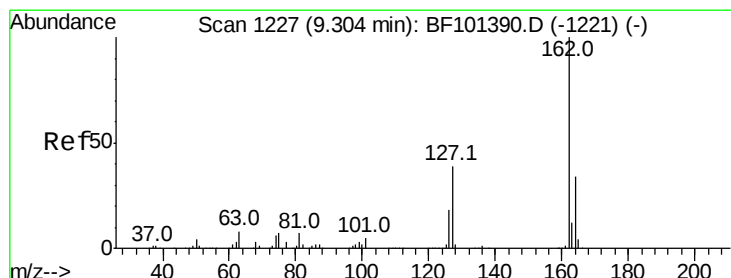
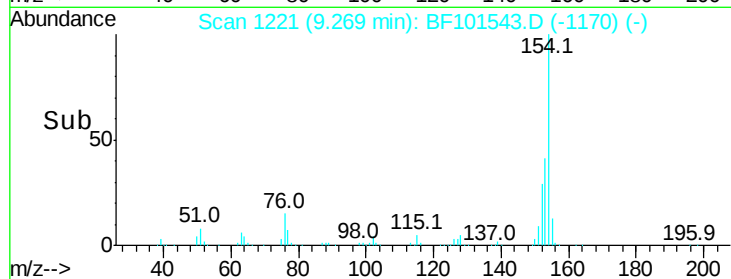
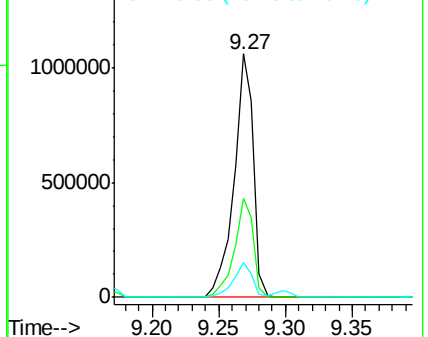
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1



#46

2-Chloronaphthalene

Concen: 39.103 ng

RT: 9.30 min Scan# 1226

Delta R.T. 0.00 min

Lab File: BF101543.D

Acq: 20 Dec 2017 1:49

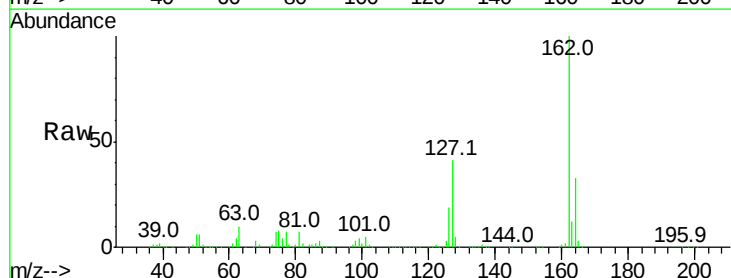
Tgt Ion:162 Resp: 801297

Ion Ratio Lower Upper

162 100

127 41.2 33.9 50.9

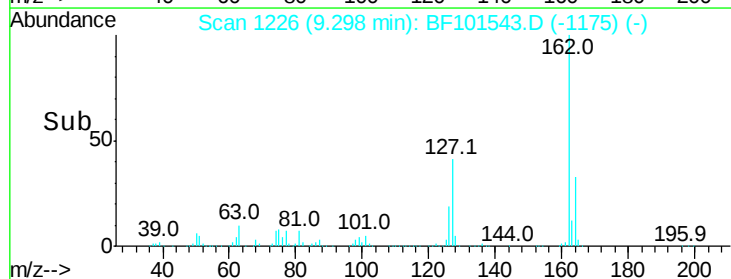
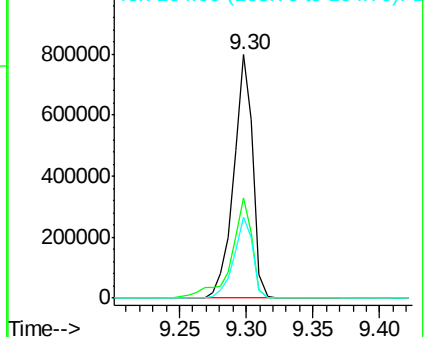
164 33.4 26.5 39.7

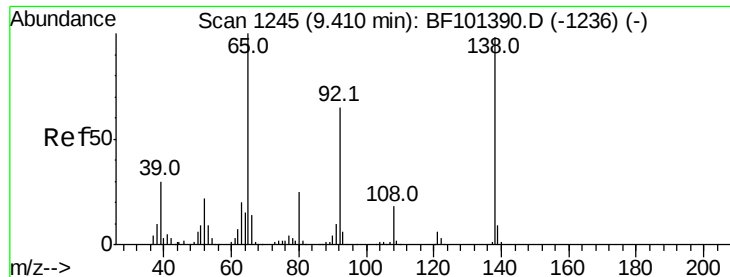


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 43.273 ng

RT: 9.40 min Scan# 1244

Delta R.T. 0.00 min

Lab File: BF101543.D

Acq: 20 Dec 2017 1:49

Instrument :

BNA\_F

ClientSampleId :

PB105156BS

Tot Ion: 65 Resp: 306330

Ion Ratio Lower Upper

65 100

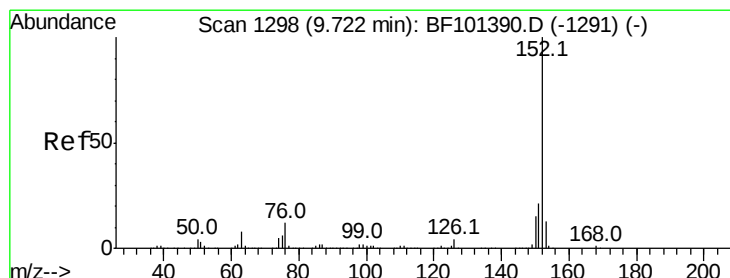
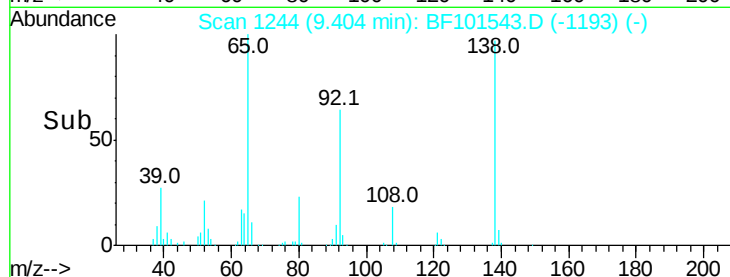
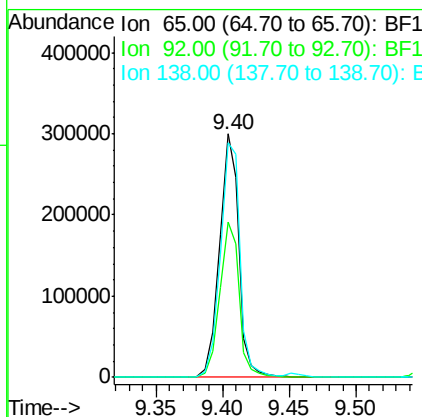
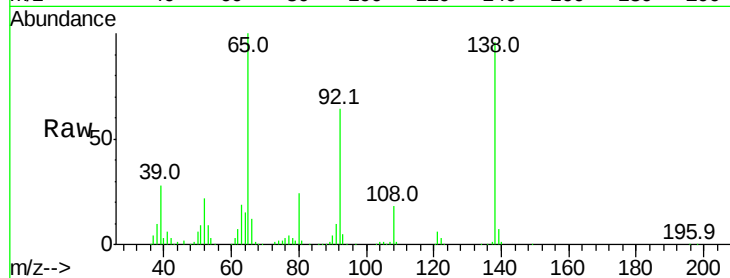
92 63.9 55.8 83.6

138 96.3 91.2 136.8

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#48

Acenaphthylene

Concen: 35.990 ng

RT: 9.72 min Scan# 1297

Delta R.T. 0.01 min

Lab File: BF101543.D

Acq: 20 Dec 2017 1:49

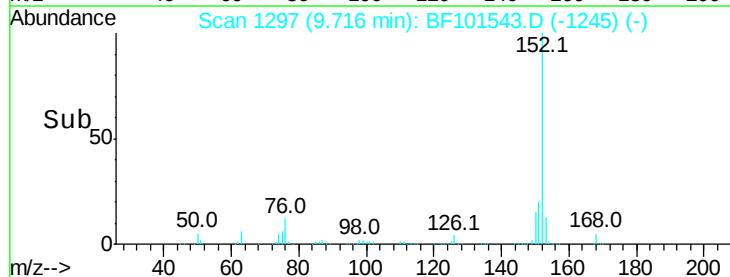
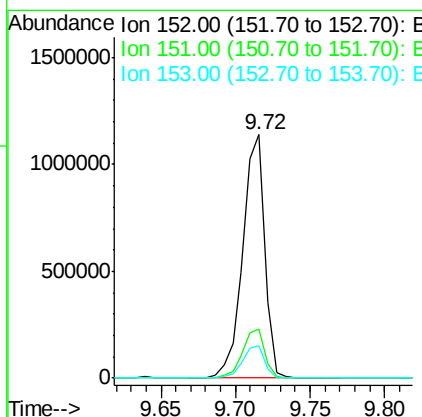
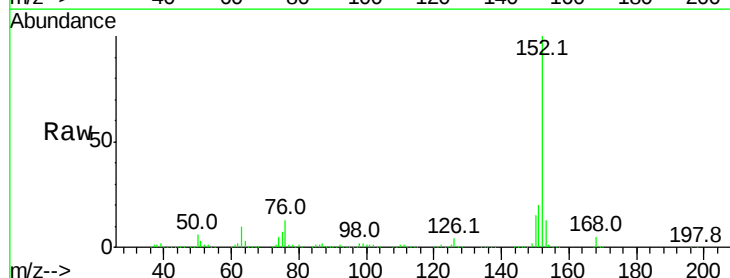
Tgt Ion: 152 Resp: 1164868

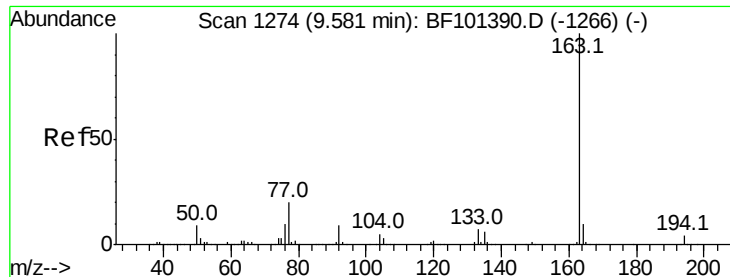
Ion Ratio Lower Upper

152 100

151 20.3 16.3 24.5

153 13.2 10.7 16.1





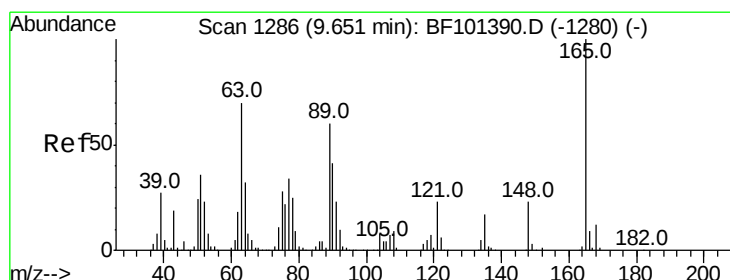
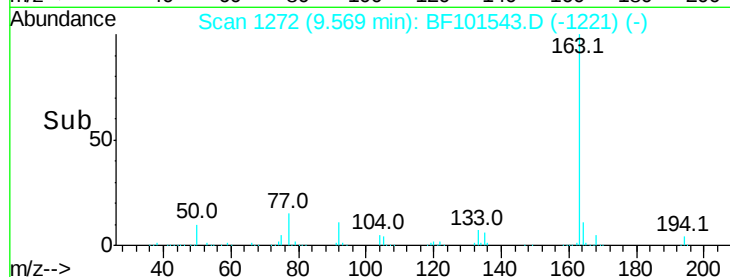
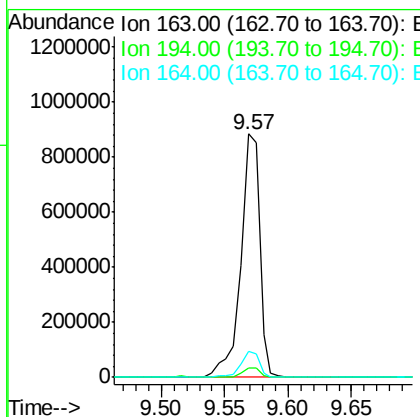
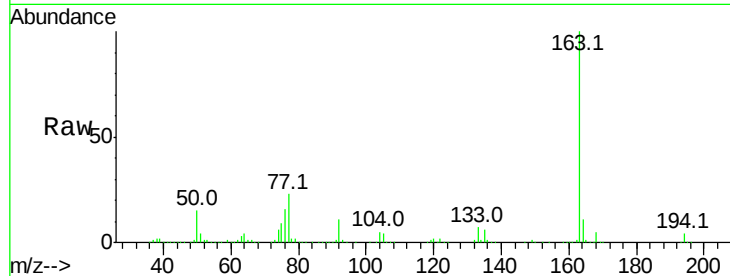
#49  
 Dimethylphthalate  
 Concen: 37.371 ng  
 RT: 9.57 min Scan# 1272  
 Delta R.T. 0.00 min  
 Lab File: BF101543.D  
 Acq: 20 Dec 2017 1:49

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB105156BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 163     | 100   | 907758 |       |       |
| 194     | 3.8   |        | 2.7   | 4.1   |
| 164     | 10.7  |        | 8.2   | 12.2  |

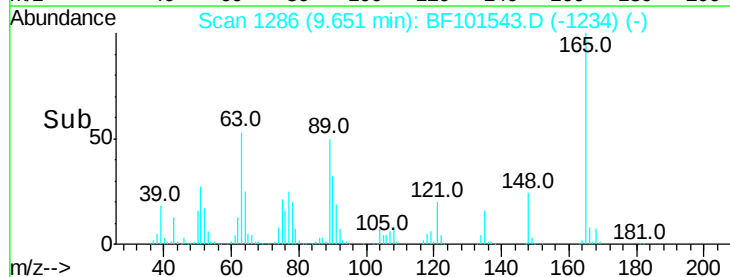
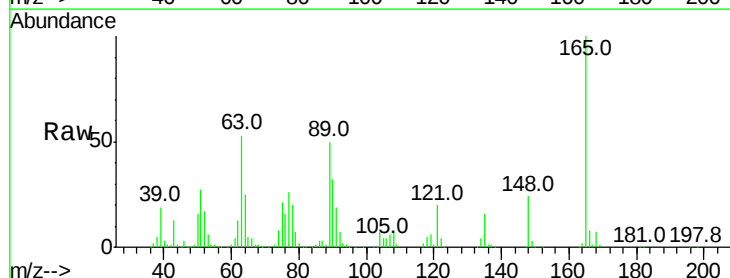
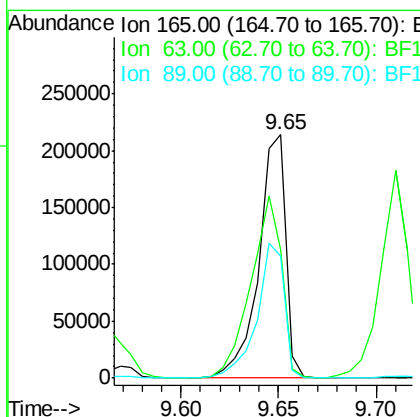
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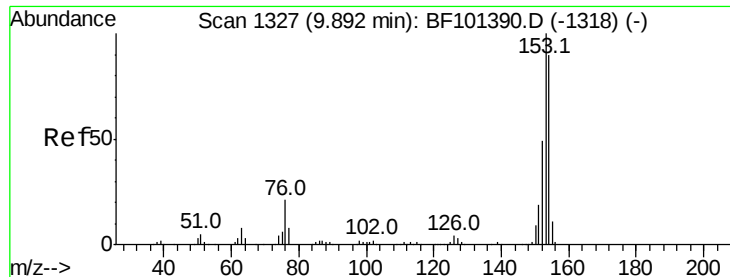
Sohil  
 12/20/2017 3:48:15 PM



#50  
 2,6-Dinitrotoluene  
 Concen: 41.667 ng  
 RT: 9.65 min Scan# 1286  
 Delta R.T. 0.01 min  
 Lab File: BF101543.D  
 Acq: 20 Dec 2017 1:49

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 165     | 100   | 205705 |       |       |
| 63      | 52.8  |        | 44.7  | 67.1  |
| 89      | 50.4  |        | 44.0  | 66.0  |





#51

Acenaphthene

Concen: 36.554 ng

RT: 9.89 min Scan# 1326

Delta R.T. 0.01 min

Lab File: BF101543.D

Acq: 20 Dec 2017 1:49

Instrument :

BNA\_F

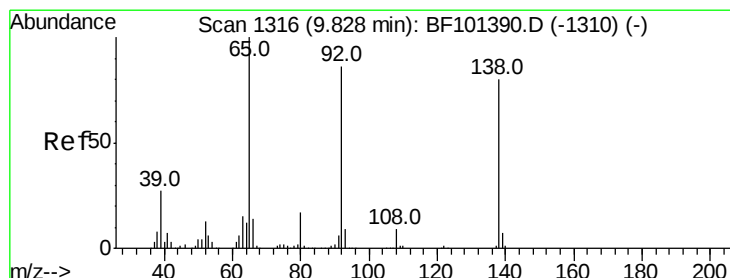
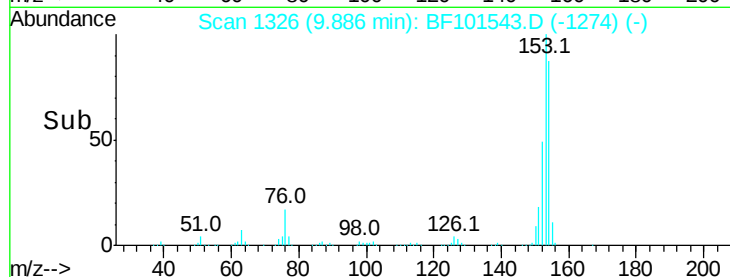
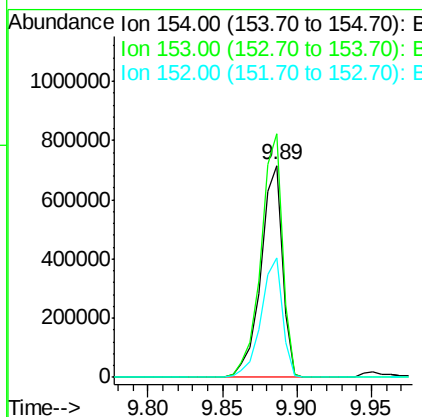
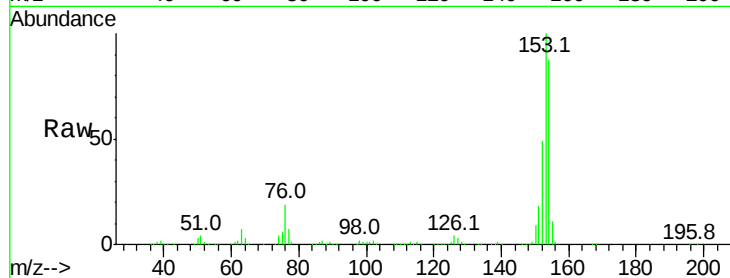
ClientSampled :

PB105156BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 154   | Resp: | 710816 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 115.0 | 91.2  | 136.8  |
| 152       | 56.4  | 43.8  | 65.8   |

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#52

3-Nitroaniline

Concen: 25.722 ng

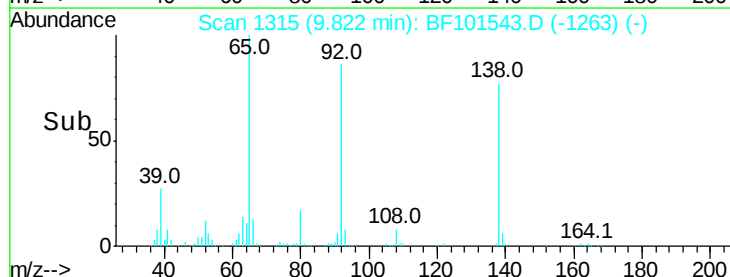
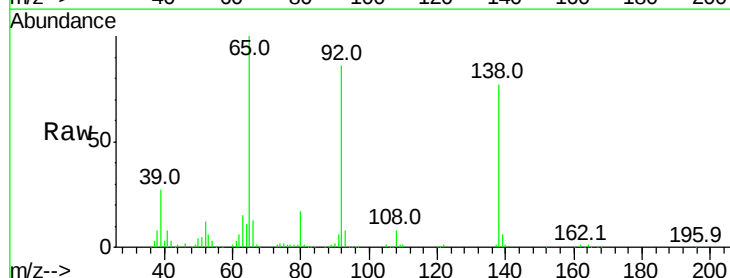
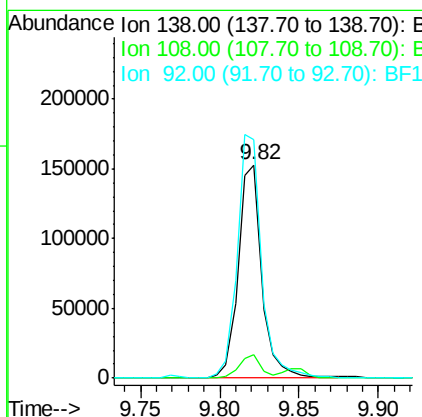
RT: 9.82 min Scan# 1315

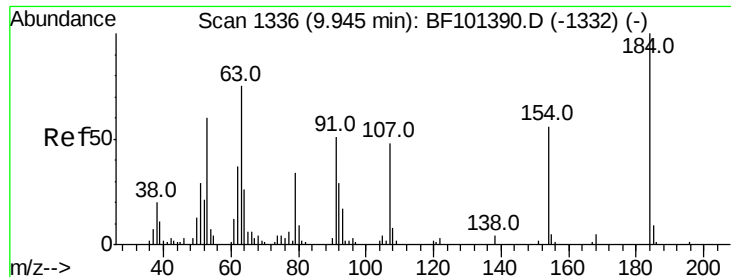
Delta R.T. 0.01 min

Lab File: BF101543.D

Acq: 20 Dec 2017 1:49

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 138   | Resp: | 158320 |
| Ion Ratio | Lower | Upper |        |
| 138       | 100   |       |        |
| 108       | 10.9  | 9.4   | 14.0   |
| 92        | 111.8 | 89.4  | 134.2  |





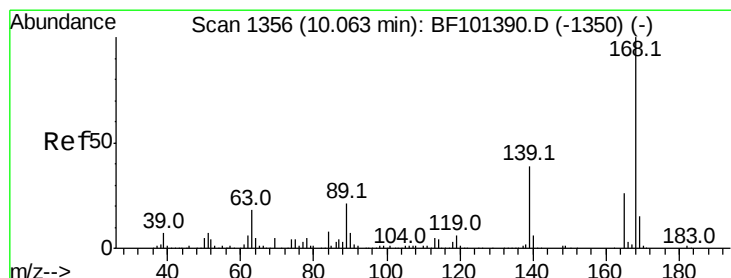
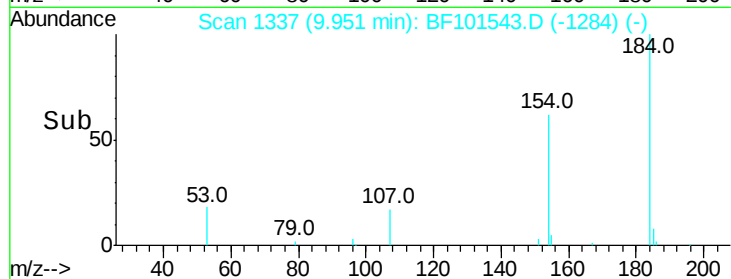
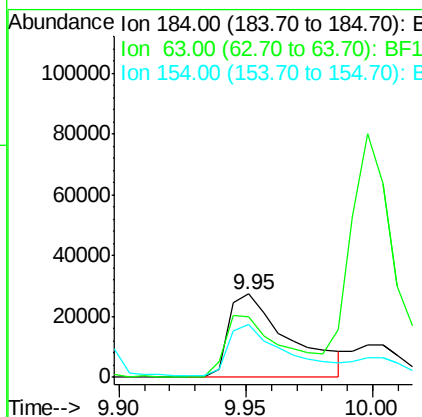
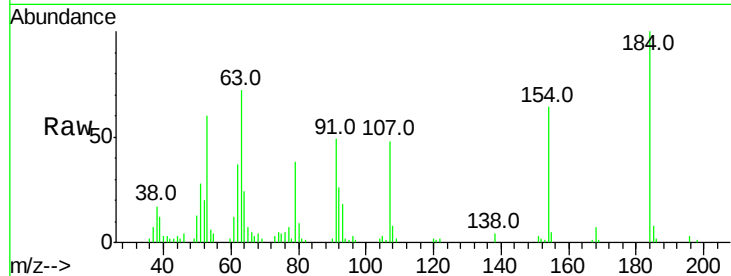
#53  
2,4-Dinitrophenol  
Concen: 33.432 ng  
RT: 9.95 min Scan# 1337  
Delta R.T. 0.01 min  
Lab File: BF101543.D  
Acq: 20 Dec 2017 1:49

Instrument :  
BNA\_F  
ClientSampleId :  
PB105156BS

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 184     | 100   |       |        |
| 63      | 72.2  | 54.2  | 81.2   |
| 154     | 63.7  | 184.0 | 276.0# |

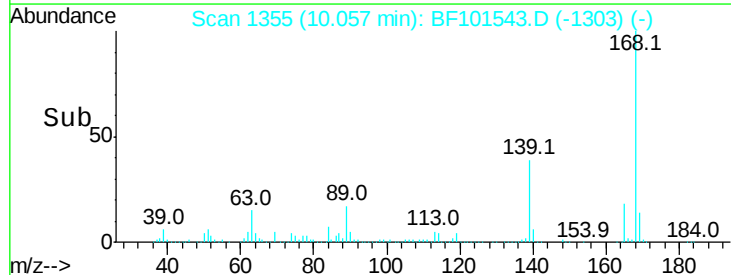
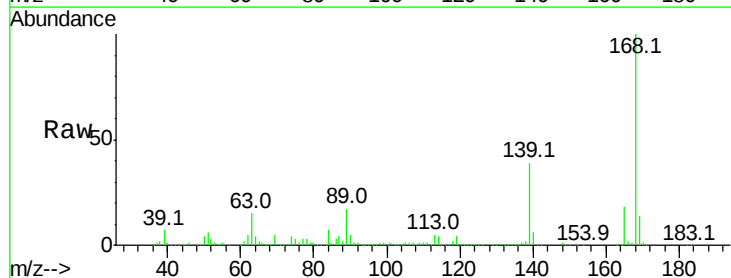
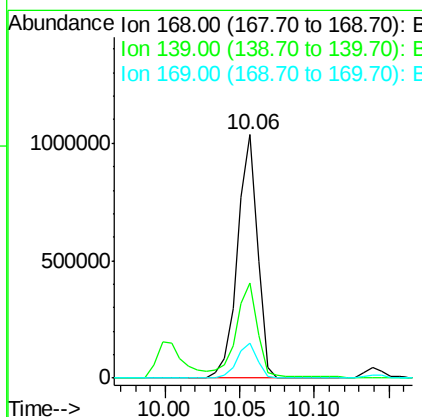
Manual Integrations  
APPROVED

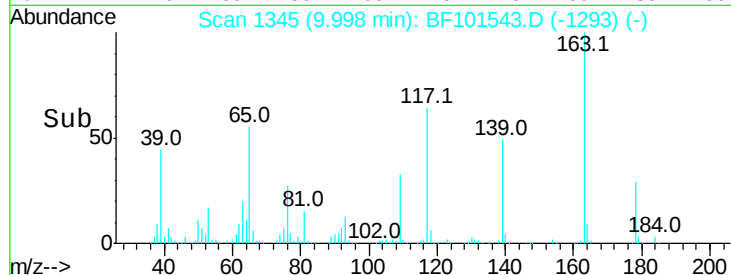
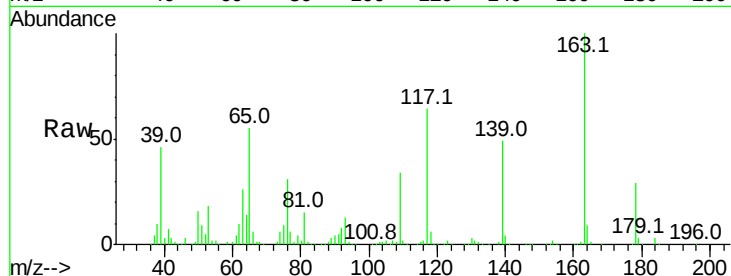
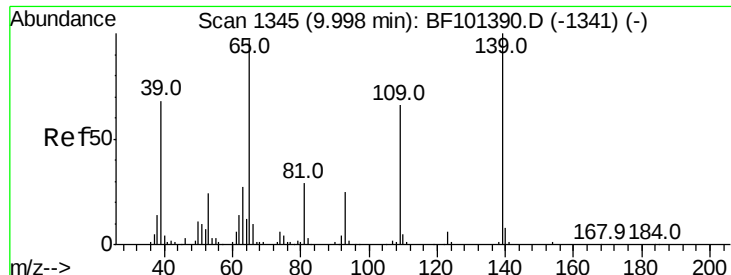
Sohil  
12/20/2017 3:48:15 PM



#54  
Dibenzofuran  
Concen: 39.448 ng  
RT: 10.06 min Scan# 1355  
Delta R.T. 0.01 min  
Lab File: BF101543.D  
Acq: 20 Dec 2017 1:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 39.2  | 30.1  | 45.1  |
| 169     | 14.3  | 10.9  | 16.3  |





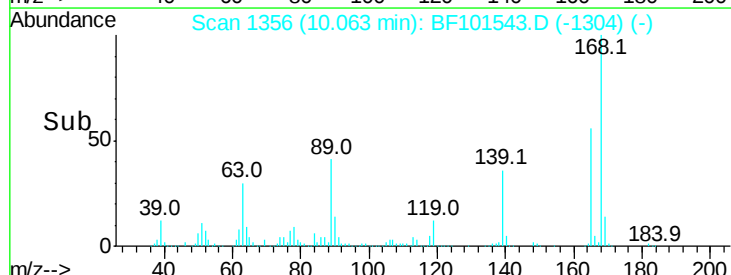
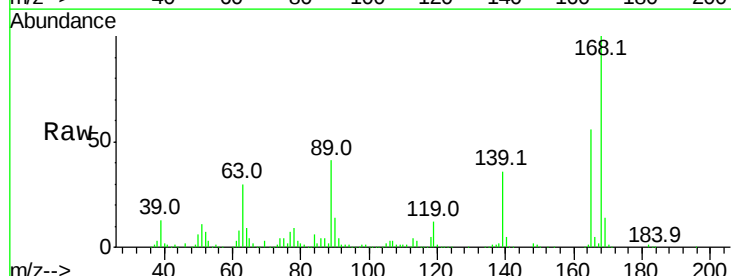
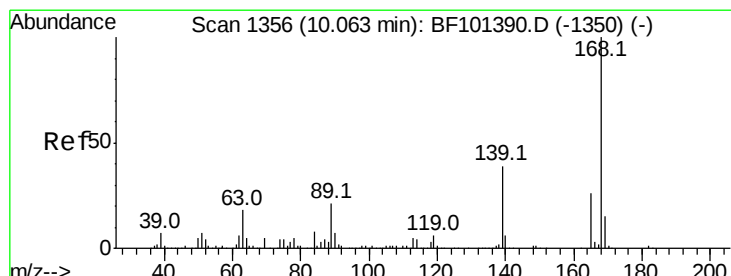
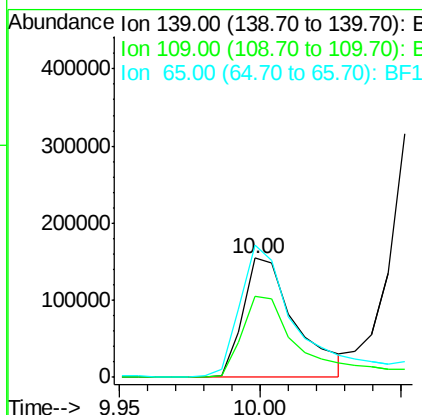
#55  
4-Nitrophenol  
Concen: 74.103 ng  
RT: 10.00 min Scan# 1345  
Delta R.T. 0.01 min  
Lab File: BF101543.D  
Acq: 20 Dec 2017 1:49

Instrument :  
BNA\_F  
ClientSampleId :  
PB105156BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 139     | 100   |      |       |       |
| 109     | 67.9  | 48.4 | 88.4  |       |
| 65      | 111.0 | 72.6 | 112.6 |       |

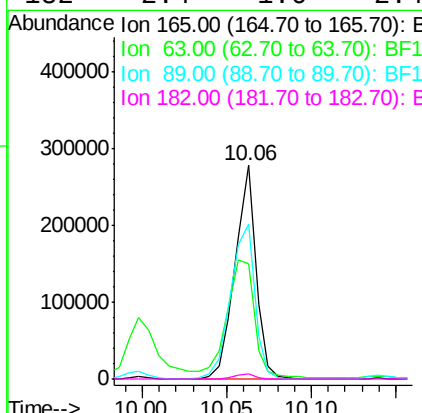
Manual Integrations  
APPROVED

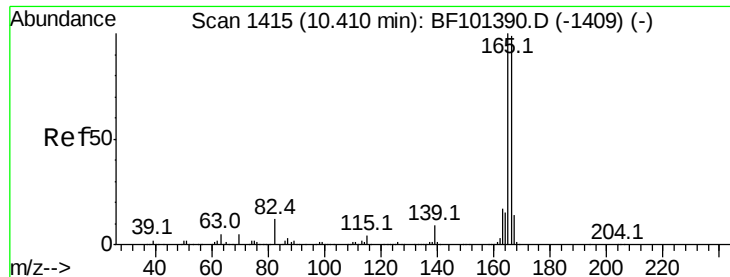
Sohil  
12/20/2017 3:48:15 PM



#56  
2,4-Dinitrotoluene  
Concen: 43.249 ng  
RT: 10.06 min Scan# 1356  
Delta R.T. 0.01 min  
Lab File: BF101543.D  
Acq: 20 Dec 2017 1:49

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 165     | 100   |      |       |       |
| 63      | 53.8  | 36.4 | 54.6  |       |
| 89      | 72.7  | 57.8 | 86.6  |       |
| 182     | 2.4   | 1.6  | 2.4#  |       |





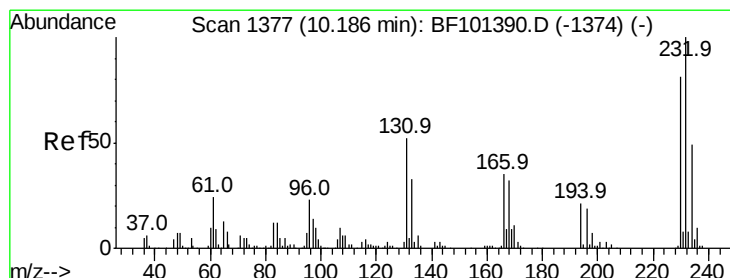
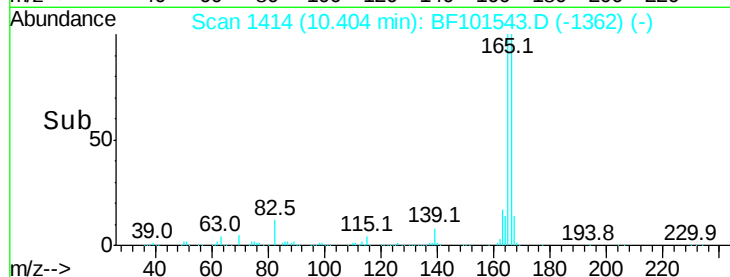
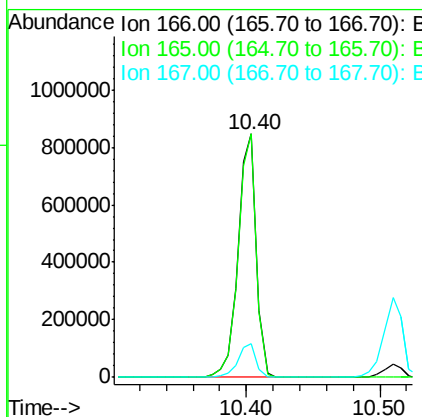
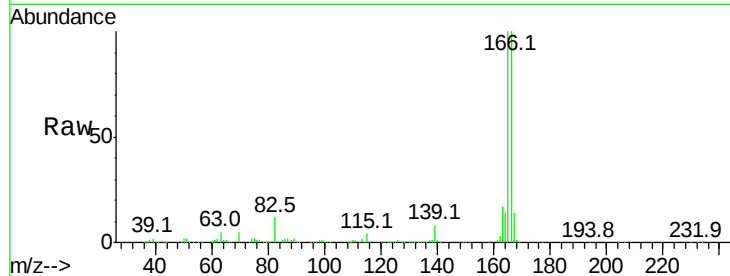
#57  
 Fluorene  
 Concen: 38.379 ng  
 RT: 10.40 min Scan# 1414  
 Delta R.T. 0.01 min  
 Lab File: BF101543.D  
 Acq: 20 Dec 2017 1:49

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB105156BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 166     | 100   |      |       |       |
| 165     | 100.1 | 79.8 | 119.8 |       |
| 167     | 13.6  | 10.6 | 16.0  |       |

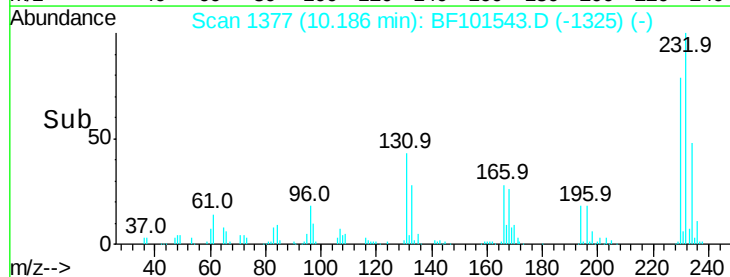
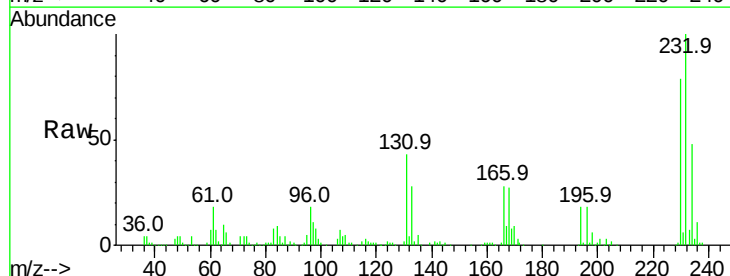
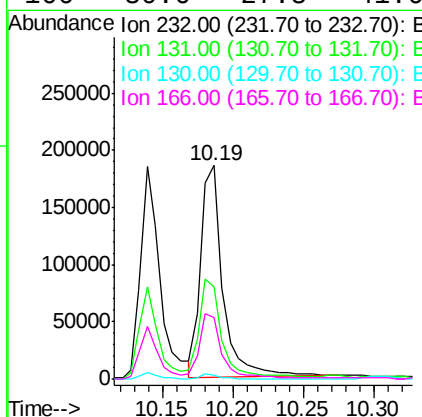
Manual Integrations  
 APPROVED

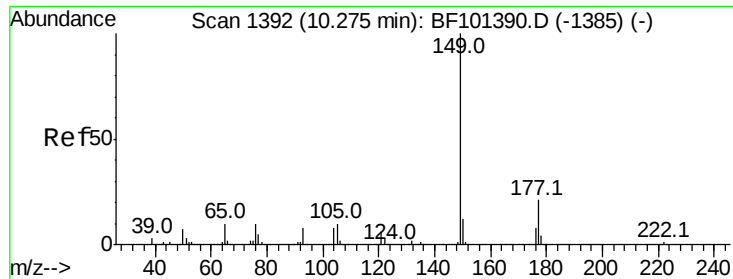
Sohil  
 12/20/2017 3:48:15 PM



#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 42.056 ng  
 RT: 10.19 min Scan# 1377  
 Delta R.T. 0.01 min  
 Lab File: BF101543.D  
 Acq: 20 Dec 2017 1:49

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 232     | 100   |      |       |       |
| 131     | 47.6  | 43.8 | 65.8  |       |
| 130     | 2.3   | 2.1  | 3.1   |       |
| 166     | 30.6  | 27.8 | 41.6  |       |





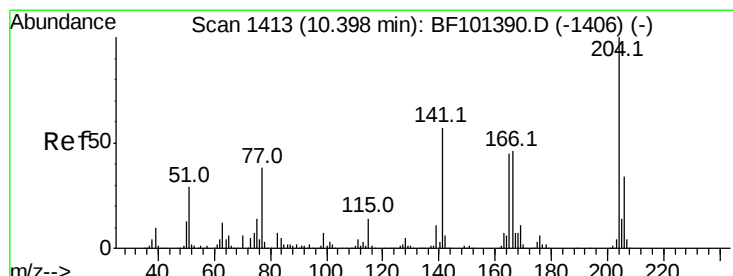
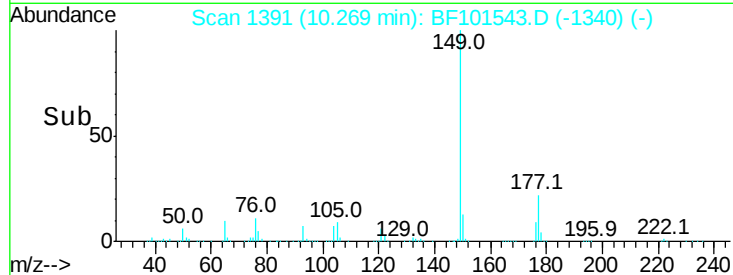
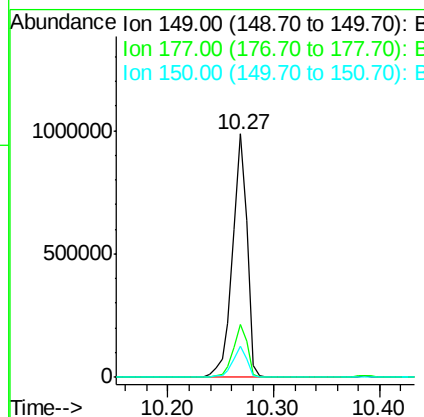
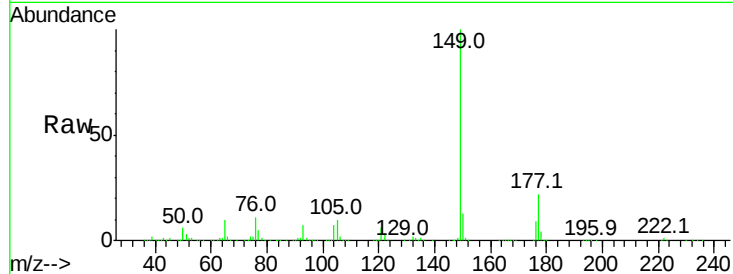
#59  
Diethylphthalate  
Concen: 38.524 ng  
RT: 10.27 min Scan# 1391  
Delta R.T. 0.00 min  
Lab File: BF101543.D  
Acq: 20 Dec 2017 1:49

Instrument :  
BNA\_F  
ClientSampled :  
PB105156BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 149   | Resp: | 926674 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 177       | 21.8  | 16.1  | 24.1   |
| 150       | 12.7  | 10.1  | 15.1   |

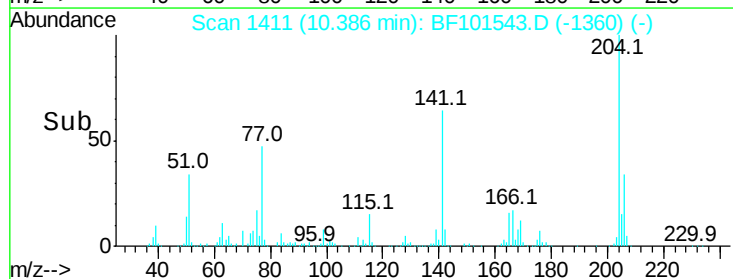
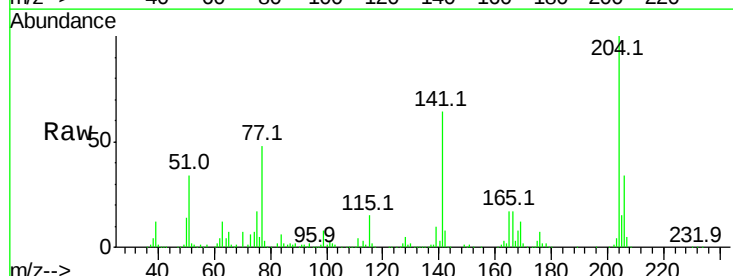
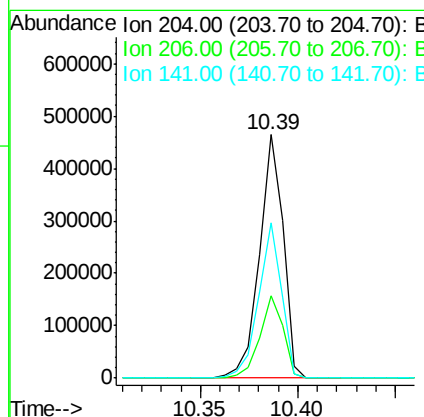
Manual Integrations  
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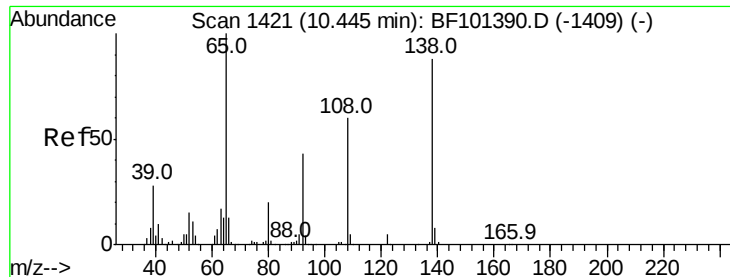
Sohil  
12/20/2017 3:48:15 PM



#60  
4-Chlorophenyl-phenylether  
Concen: 39.091 ng  
RT: 10.39 min Scan# 1411  
Delta R.T. 0.00 min  
Lab File: BF101543.D  
Acq: 20 Dec 2017 1:49

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 204   | Resp: | 391650 |
| Ion Ratio | Lower | Upper |        |
| 204       | 100   |       |        |
| 206       | 34.0  | 26.5  | 39.7   |
| 141       | 63.6  | 54.6  | 81.8   |





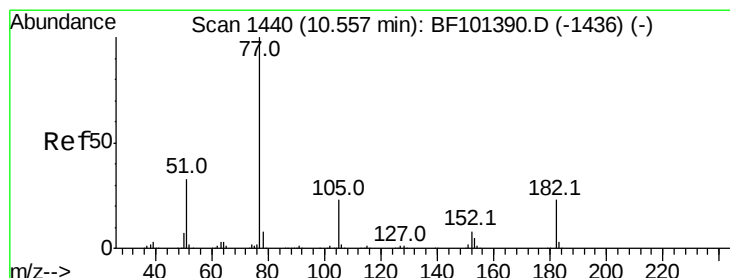
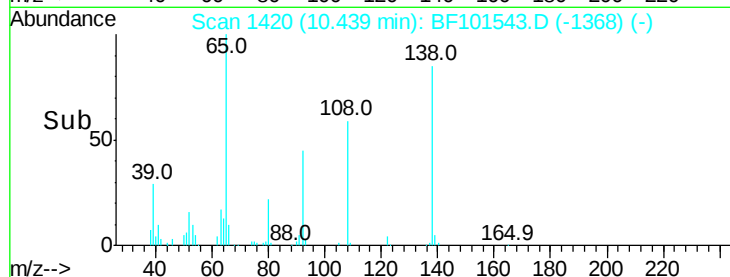
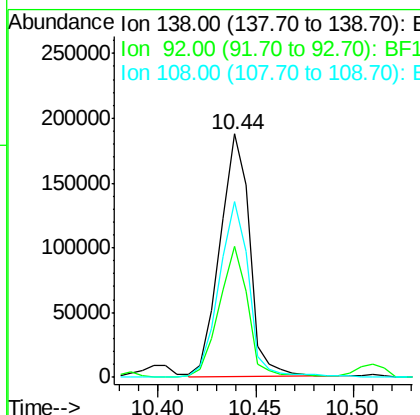
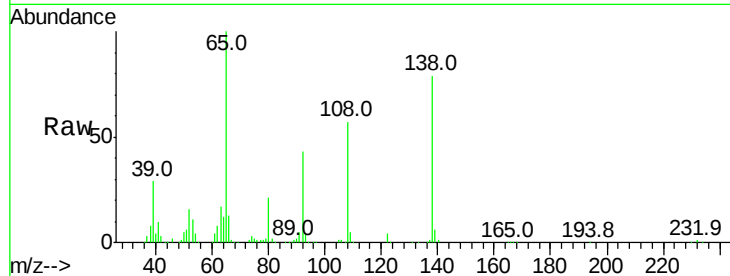
#61  
4-Nitroaniline  
Concen: 31.935 ng  
RT: 10.44 min Scan# 1420  
Delta R.T. 0.01 min  
Lab File: BF101543.D  
Acq: 20 Dec 2017 1:49

Instrument :  
BNA\_F  
ClientSampled :  
PB105156BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 138     | 100   | 197572 |       |       |
| 92      | 54.0  | 30.2   | 70.2  |       |
| 108     | 72.1  | 52.5   | 92.5  |       |

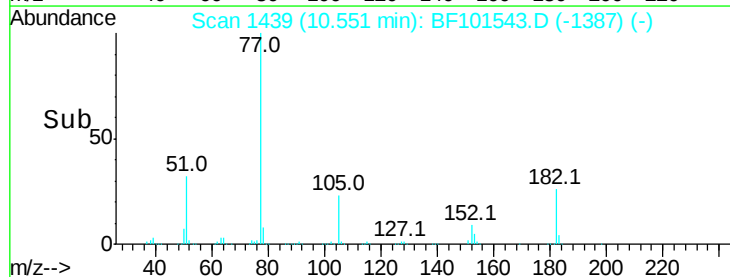
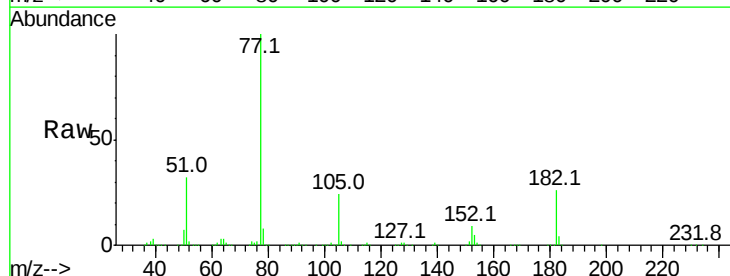
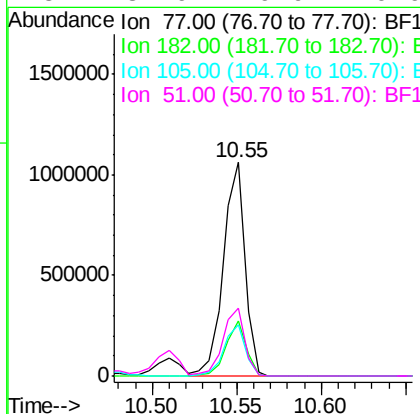
Manual Integrations  
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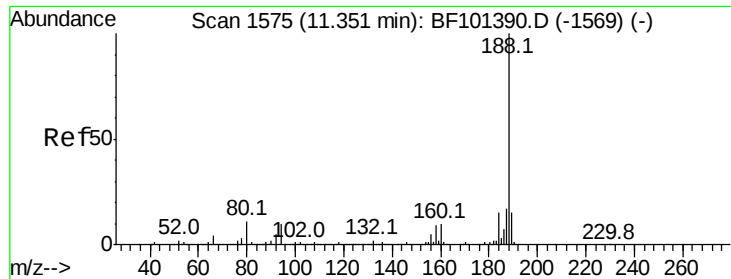
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12/20/2017 3:48:15 PM



#62  
Azobenzene  
Concen: 37.911 ng  
RT: 10.55 min Scan# 1439  
Delta R.T. 0.01 min  
Lab File: BF101543.D  
Acq: 20 Dec 2017 1:49

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 77      | 100   | 944681 |       |       |
| 182     | 25.7  | 1.7    | 41.7  |       |
| 105     | 23.7  | 3.0    | 43.0  |       |
| 51      | 31.9  | 9.9    | 49.9  |       |





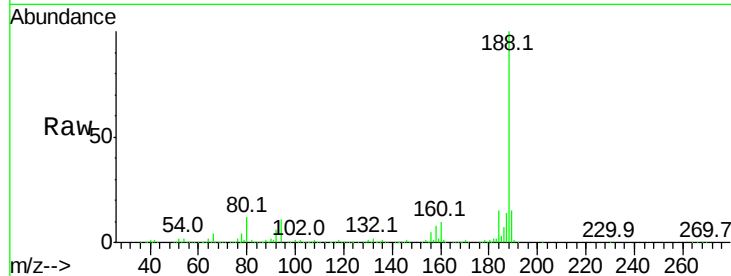
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.34 min Scan# 1573  
Delta R.T. 0.00 min  
Lab File: BF101543.D  
Acq: 20 Dec 2017 1:49

Instrument :  
BNA\_F  
ClientSampleId :  
PB105156BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 188     | 100   |      |       |       |
| 94      | 10.7  | 8.5  | 12.7  |       |
| 80      | 11.9  | 9.2  | 13.8  |       |

Manual Integrations  
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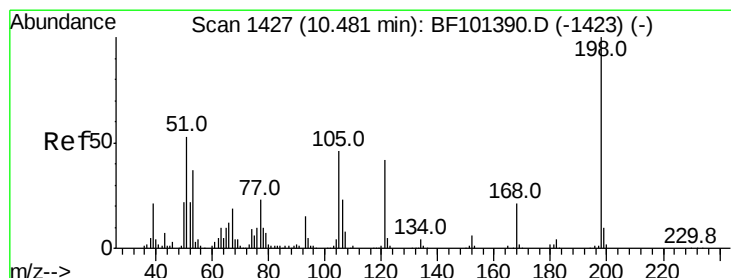
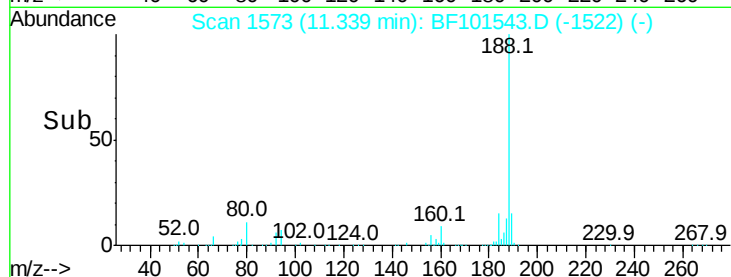
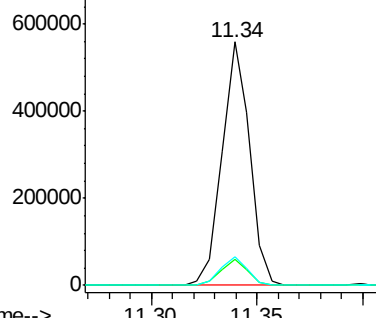
Sohil  
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Abundance Ion 188.00 (187.70 to 188.70): E

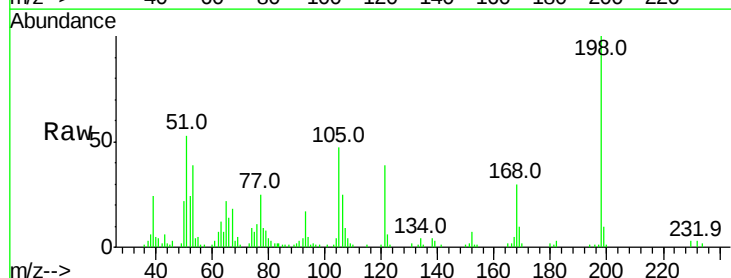
Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#64  
4,6-Dinitro-2-methylphenol  
Concen: 18.827 ng  
RT: 10.48 min Scan# 1427  
Delta R.T. 0.01 min  
Lab File: BF101543.D  
Acq: 20 Dec 2017 1:49

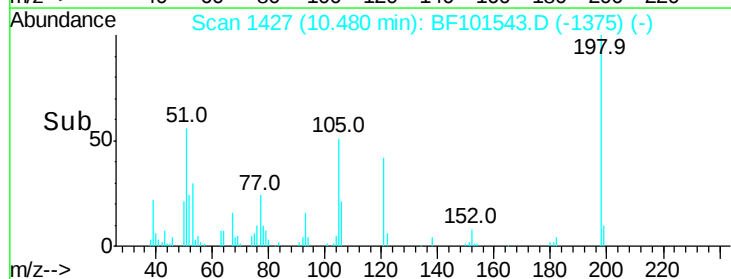
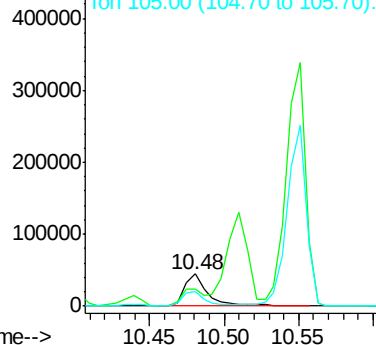
| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 198     | 100   |      |       |       |
| 51      | 52.8  | 37.7 | 77.7  |       |
| 105     | 46.8  | 36.3 | 76.3  |       |

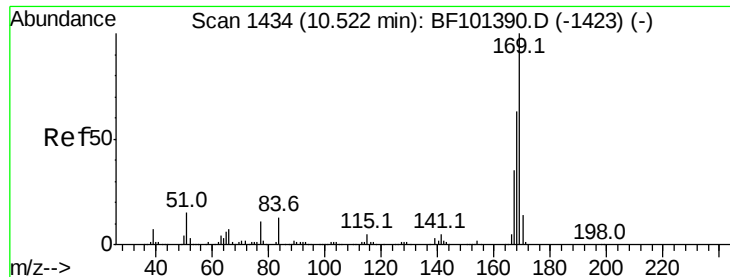


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E





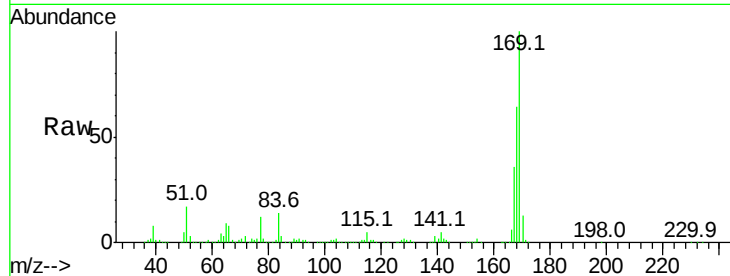
#65  
n-Nitrosodiphenylamine  
Concen: 41.037 ng  
RT: 10.51 min Scan# 1432  
Delta R.T. 0.00 min  
Lab File: BF101543.D  
Acq: 20 Dec 2017 1:49

Instrument :  
BNA\_F  
ClientSampled :  
PB105156BS

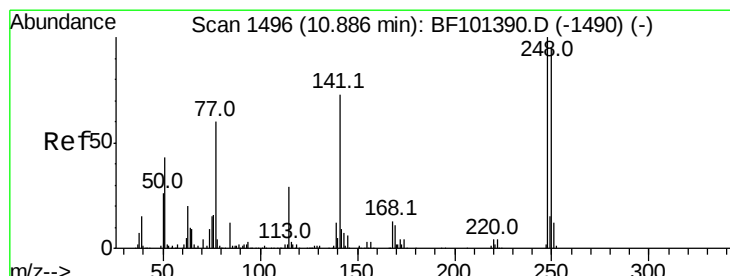
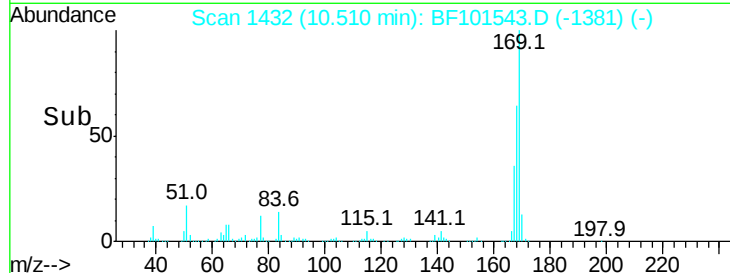
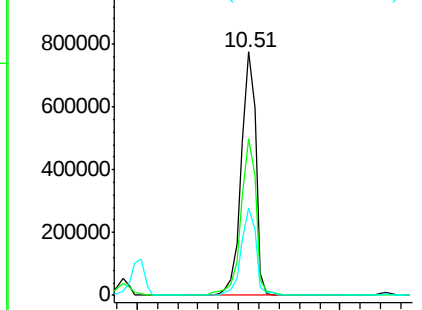
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 169     | 100   | 768980 |       |       |
| 168     | 64.2  |        | 54.4  | 81.6  |
| 167     | 35.9  |        | 29.8  | 44.6  |

Manual Integrations  
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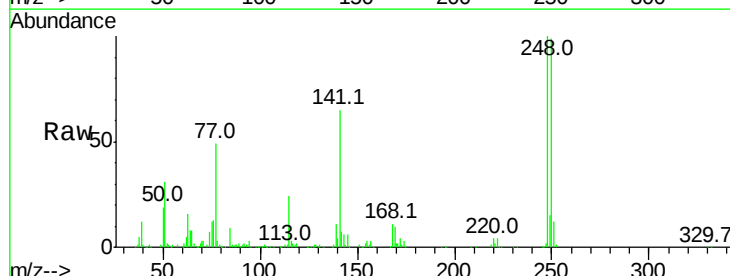


Abundance Ion 169.00 (168.70 to 169.70): E  
Ion 168.00 (167.70 to 168.70): E  
Ion 167.00 (166.70 to 167.70): E

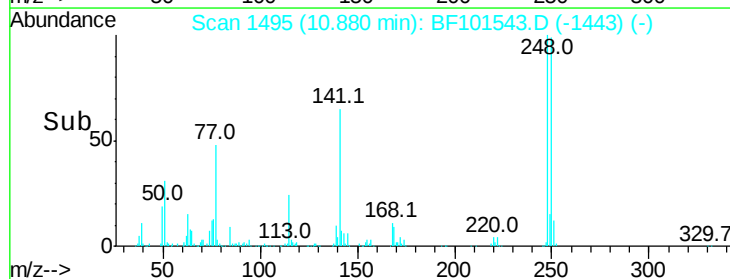
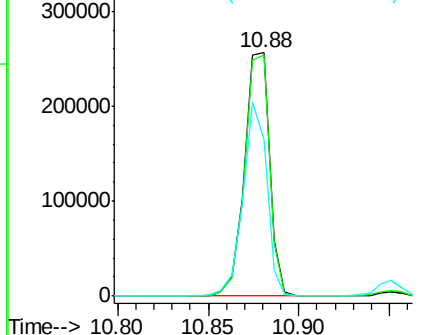


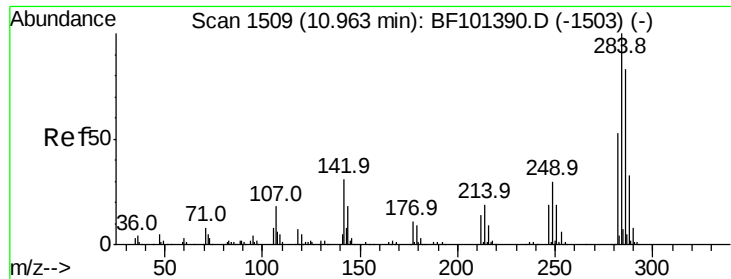
#66  
4-Bromophenyl-phenylether  
Concen: 43.504 ng  
RT: 10.88 min Scan# 1495  
Delta R.T. 0.01 min  
Lab File: BF101543.D  
Acq: 20 Dec 2017 1:49

| Tgt Ion | Ratio | Resp   | Lower | Upper  |
|---------|-------|--------|-------|--------|
| 248     | 100   | 248074 |       |        |
| 250     | 99.2  |        | 76.9  | 115.3  |
| 141     | 64.5  |        | 74.4  | 111.6# |



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





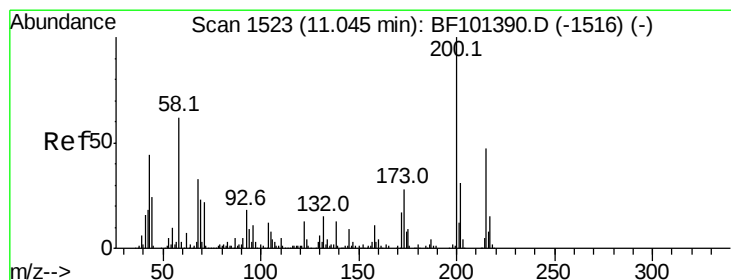
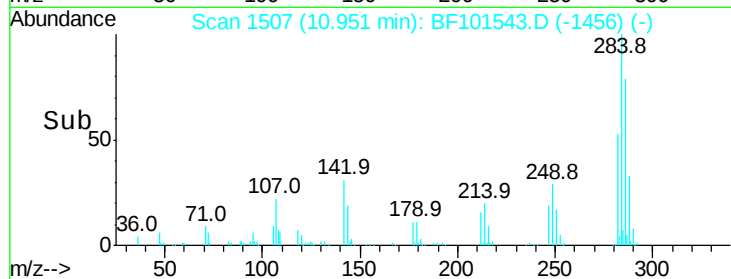
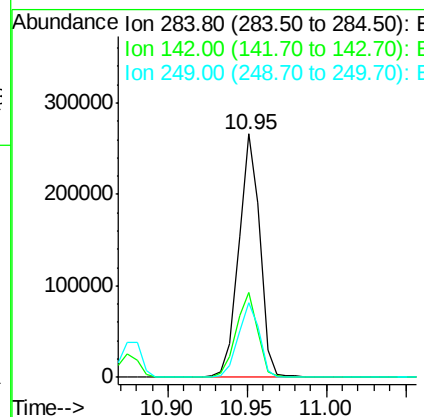
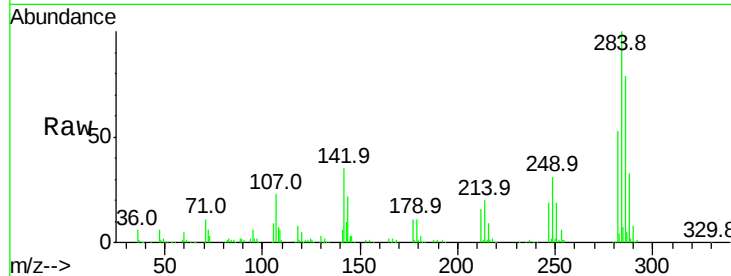
#67  
Hexachlorobenzene  
Concen: 40.624 ng  
RT: 10.95 min Scan# 1507  
Delta R.T. 0.00 min  
Lab File: BF101543.D  
Acq: 20 Dec 2017 1:49

Instrument :  
BNA\_F  
ClientSampleId :  
PB105156BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 284     | 100   |      |       |       |
| 142     | 35.0  | 34.6 | 52.0  |       |
| 249     | 30.8  | 24.8 | 37.2  |       |

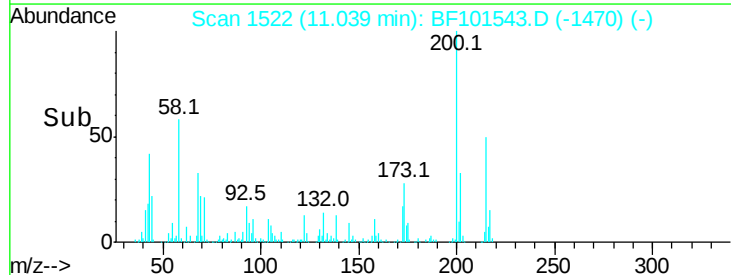
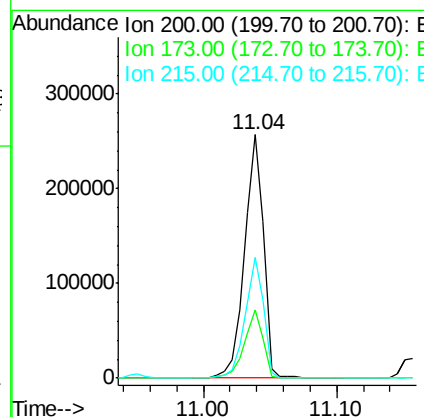
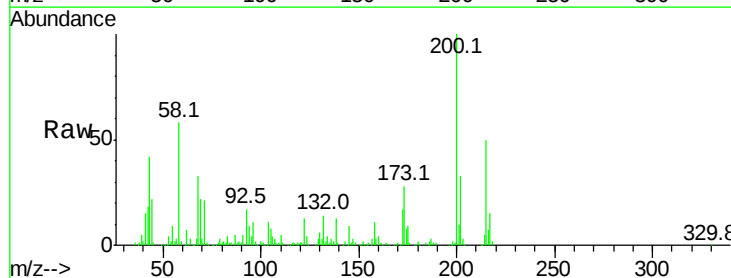
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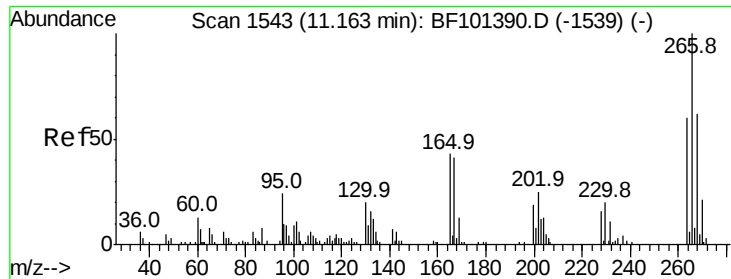
Sohil  
12/20/2017 3:48:15 PM



#68  
Atrazine  
Concen: 45.200 ng  
RT: 11.04 min Scan# 1522  
Delta R.T. 0.01 min  
Lab File: BF101543.D  
Acq: 20 Dec 2017 1:49

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 200     | 100   |      |       |       |
| 173     | 28.0  | 8.6  | 48.6  |       |
| 215     | 49.7  | 25.1 | 65.1  |       |





#69

Pentachlorophenol

Concen: 74.040 ng

RT: 11.16 min Scan# 1542

Delta R.T. 0.01 min

Lab File: BF101543.D

Acq: 20 Dec 2017 1:49

Instrument :

BNA\_F

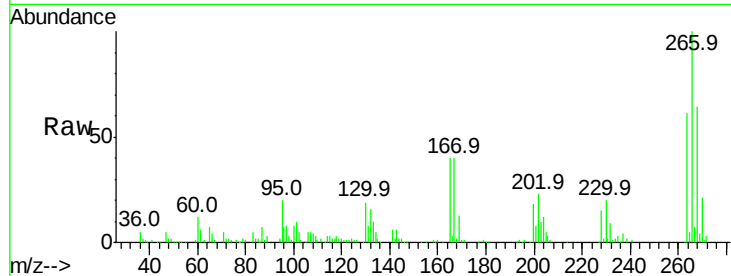
ClientSampleId :

PB105156BS

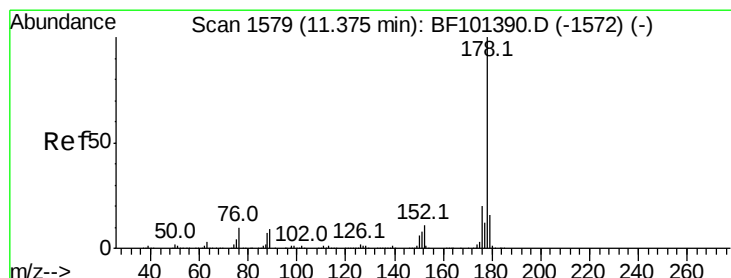
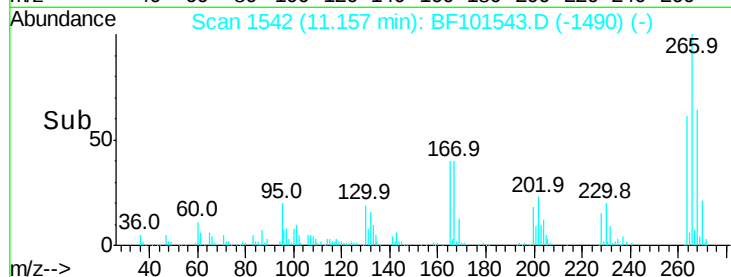
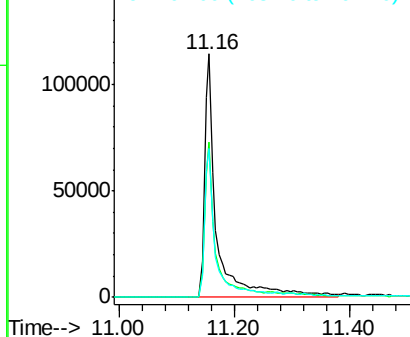
|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 266  | Resp: | 172516 |
| Ion Ratio |      | Lower | Upper  |
| 266       | 100  |       |        |
| 268       | 63.9 | 51.1  | 76.7   |
| 264       | 61.1 | 49.5  | 74.3   |

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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: 38.042 ng

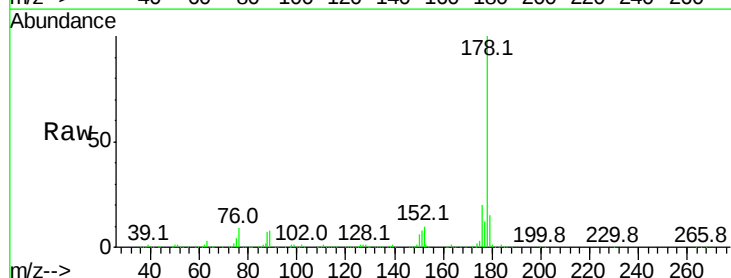
RT: 11.37 min Scan# 1578

Delta R.T. 0.01 min

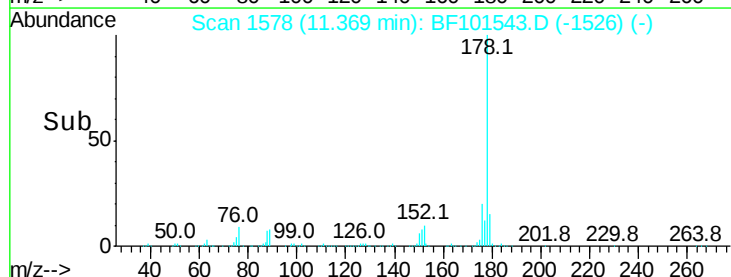
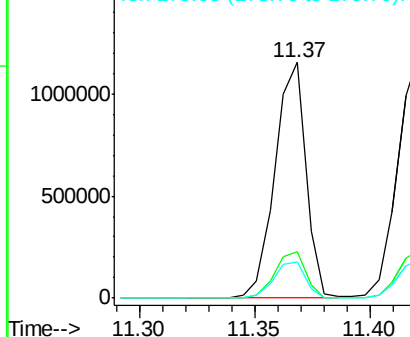
Lab File: BF101543.D

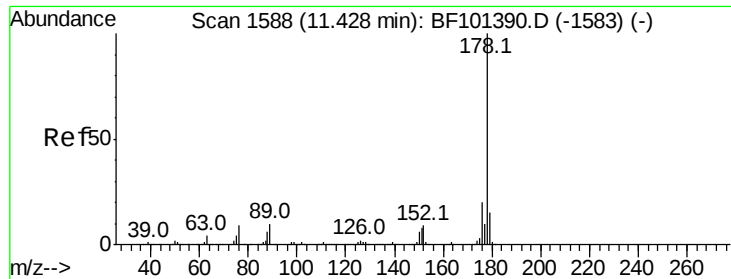
Acq: 20 Dec 2017 1:49

|           |      |       |         |
|-----------|------|-------|---------|
| Tgt Ion:  | 178  | Resp: | 1073622 |
| Ion Ratio |      | Lower | Upper   |
| 178       | 100  |       |         |
| 176       | 20.0 | 15.8  | 23.8    |
| 179       | 15.3 | 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





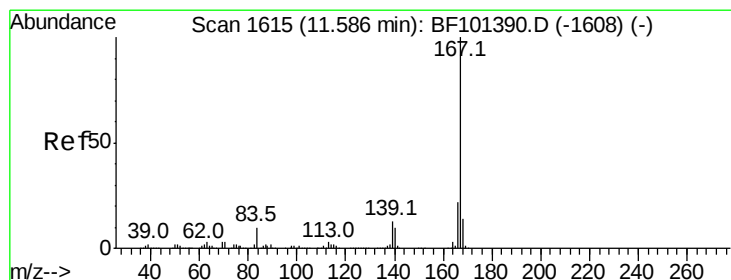
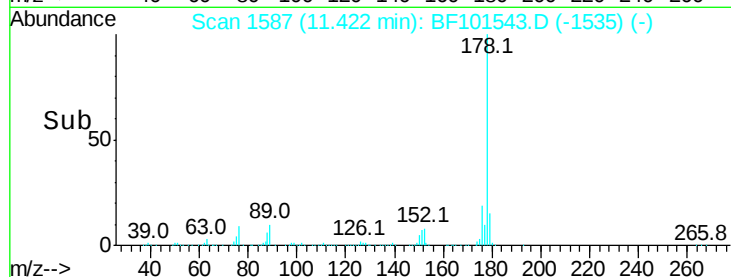
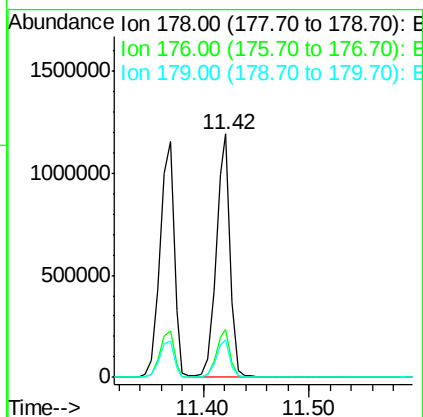
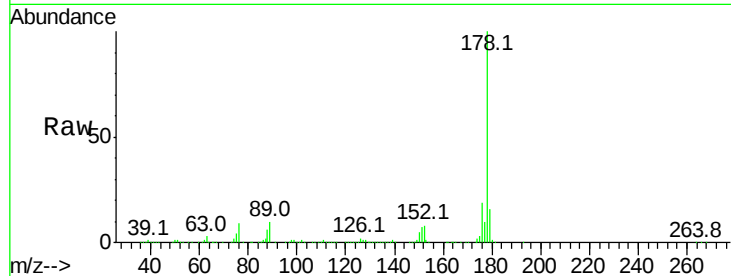
#71  
 Anthracene  
 Concen: 38.624 ng  
 RT: 11.42 min Scan# 1587  
 Delta R.T. 0.01 min  
 Lab File: BF101543.D  
 Acq: 20 Dec 2017 1:49

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB105156BS

Tot Ion:178 Resp: 1113467  
 Ion Ratio Lower Upper  
 178 100  
 176 19.5 15.4 23.2  
 179 15.6 12.6 19.0

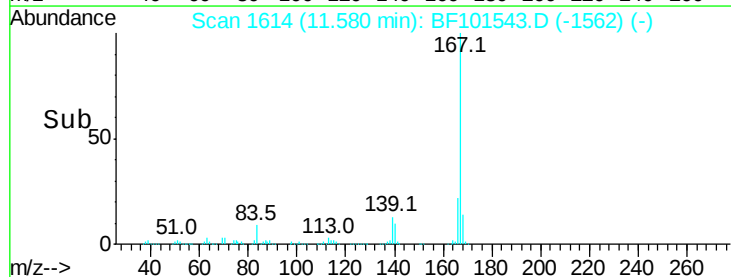
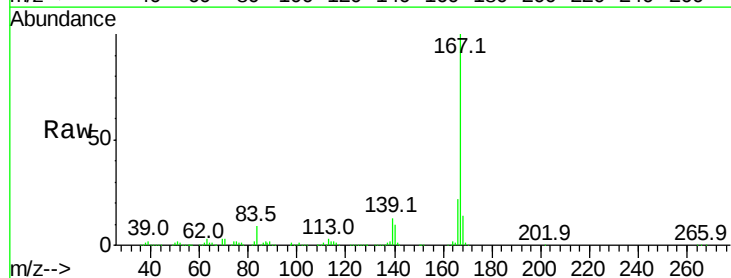
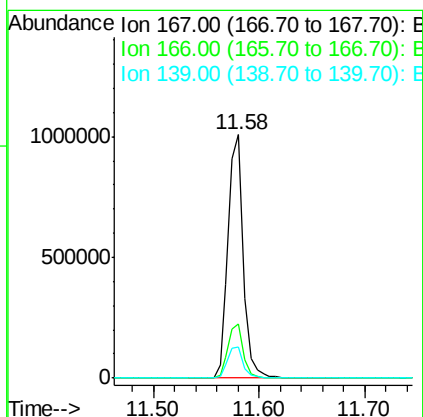
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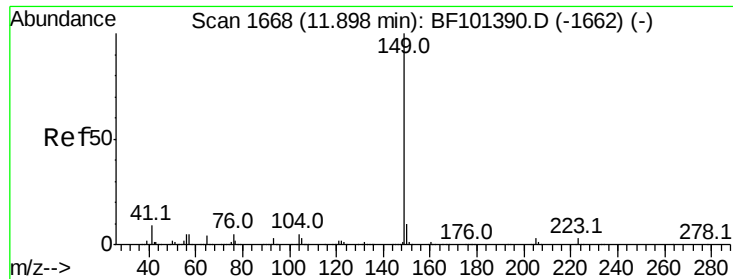
Sohil  
 12/20/2017 3:48:15 PM



#72  
 Carbazole  
 Concen: 37.223 ng  
 RT: 11.58 min Scan# 1614  
 Delta R.T. 0.01 min  
 Lab File: BF101543.D  
 Acq: 20 Dec 2017 1:49

Tgt Ion:167 Resp: 1004666  
 Ion Ratio Lower Upper  
 167 100  
 166 22.2 17.6 26.4  
 139 13.0 10.9 16.3





#73

Di-n-butylphthalate

Concen: 41.041 ng

RT: 11.89 min Scan# 1667

Delta R.T. 0.01 min

Lab File: BF101543.D

Acq: 20 Dec 2017 1:49

Instrument :

BNA\_F

ClientSampleId :

PB105156BS

Tot Ion:149 Resp: 1344476

Ion Ratio Lower Upper

149 100

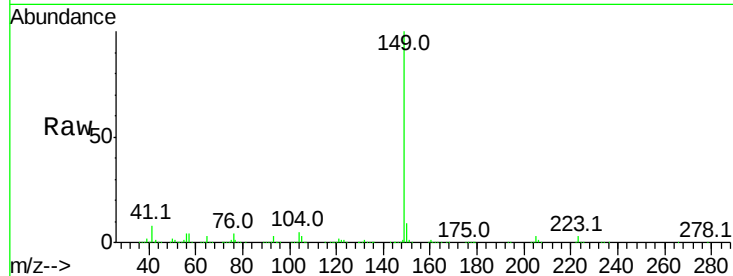
150 9.2 7.8 11.6

104 4.8 3.8 5.8

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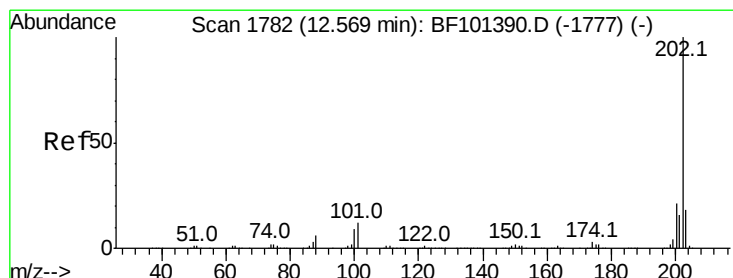
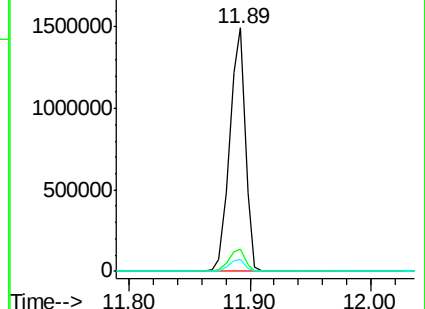
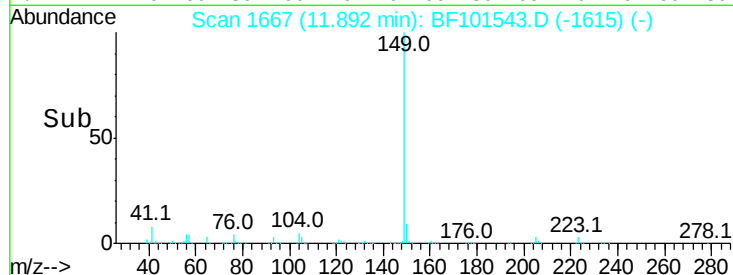
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 32.719 ng

RT: 12.56 min Scan# 1780

Delta R.T. 0.00 min

Lab File: BF101543.D

Acq: 20 Dec 2017 1:49

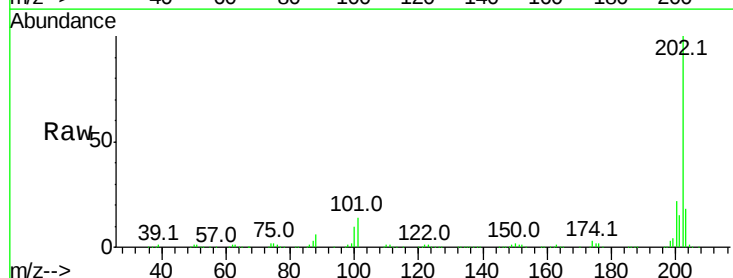
Tgt Ion:202 Resp: 969253

Ion Ratio Lower Upper

202 100

101 13.6 0.0 34.1

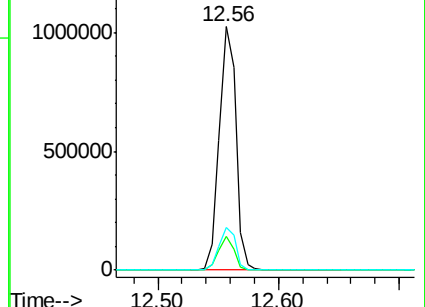
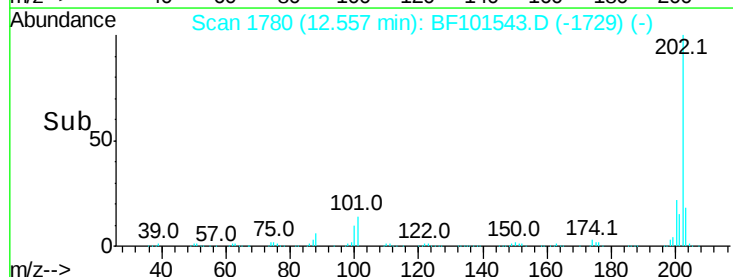
203 17.7 0.0 38.1

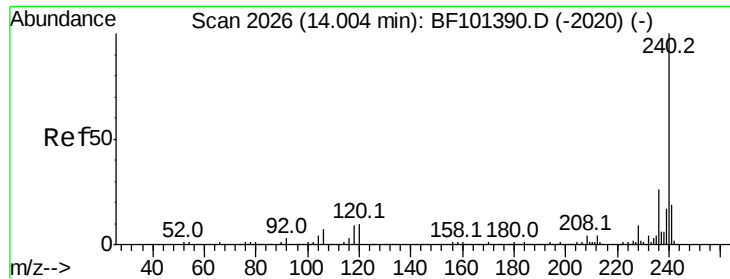


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2024

Delta R.T. 0.01 min

Lab File: BF101543.D

Acq: 20 Dec 2017 1:49

Instrument :

BNA\_F

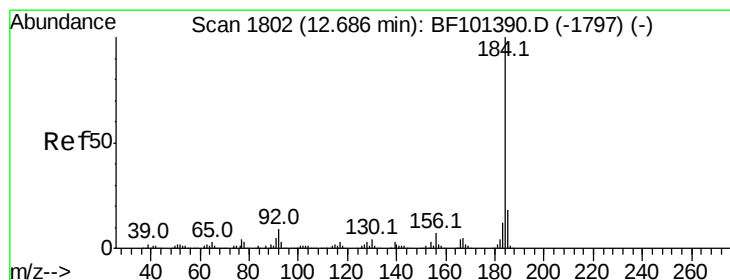
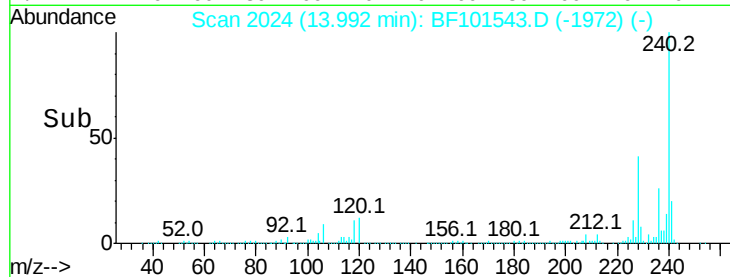
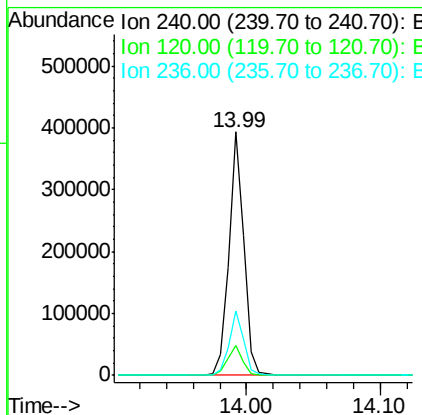
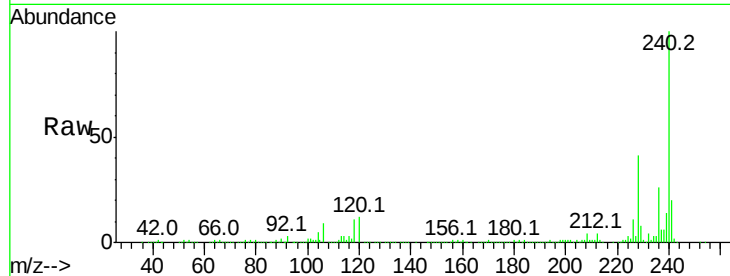
ClientSampled :

PB105156BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 240   | Resp: | 310896 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 12.3  | 9.5   | 14.3   |
| 236       | 26.2  | 20.7  | 31.1   |

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#76

Benzidine

Concen: 50.707 ng

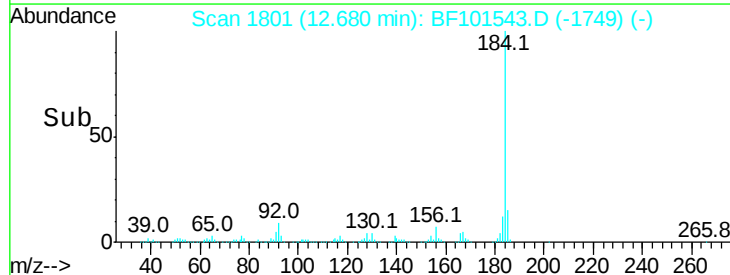
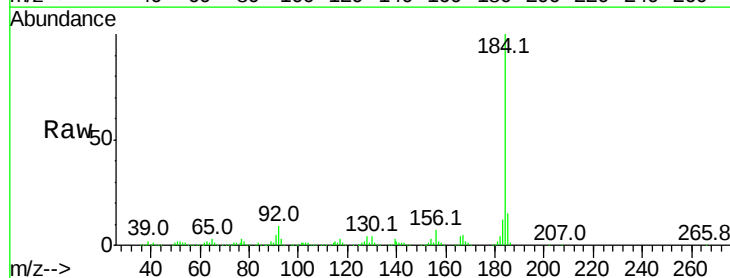
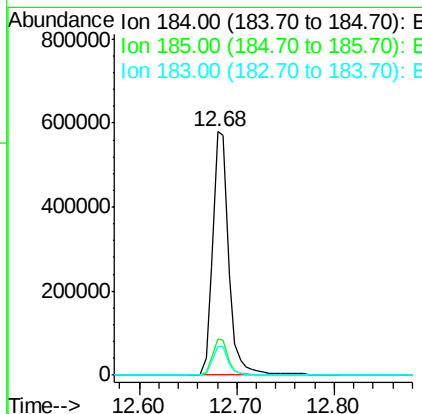
RT: 12.68 min Scan# 1801

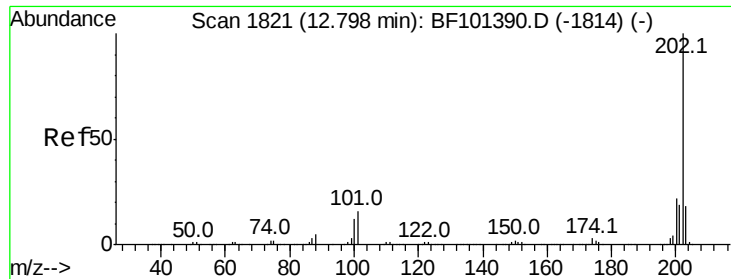
Delta R.T. 0.01 min

Lab File: BF101543.D

Acq: 20 Dec 2017 1:49

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 184   | Resp: | 665818 |
| Ion Ratio | Lower | Upper |        |
| 184       | 100   |       |        |
| 185       | 15.1  | 12.6  | 18.8   |
| 183       | 11.6  | 9.3   | 13.9   |





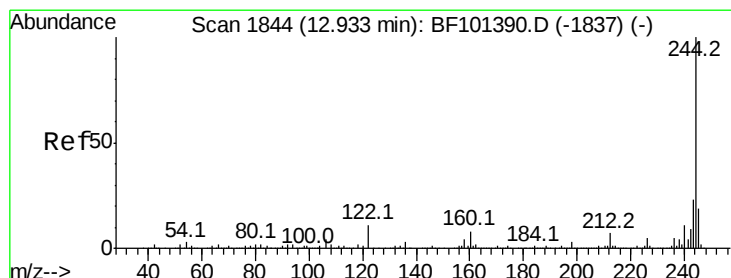
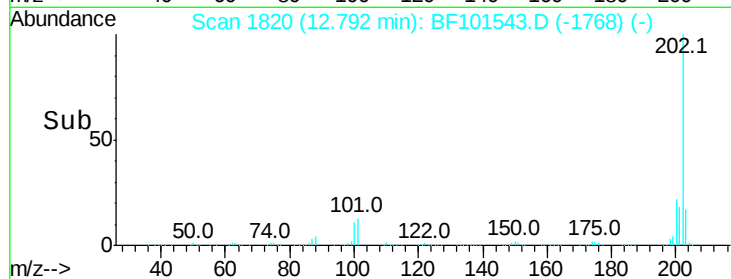
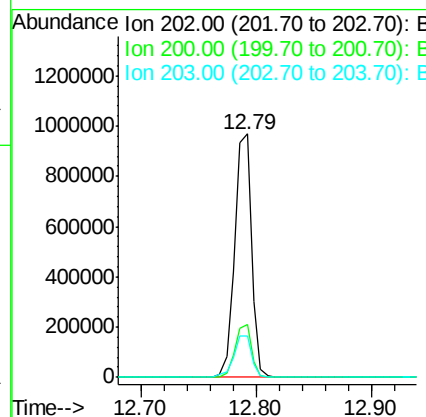
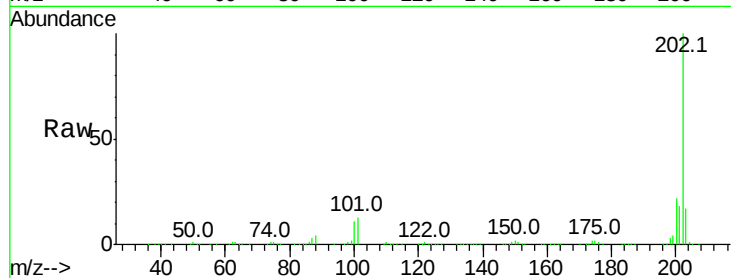
#77  
Pvrene  
Concen: 42.050 ng  
RT: 12.79 min Scan# 1820  
Delta R.T. 0.01 min  
Lab File: BF101543.D  
Acq: 20 Dec 2017 1:49

Instrument :  
BNA\_F  
ClientSampleId :  
PB105156BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 21.8  | 17.4  | 26.2  |
| 203     | 17.1  | 14.3  | 21.5  |

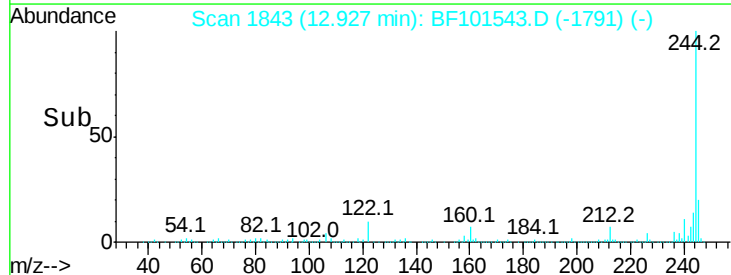
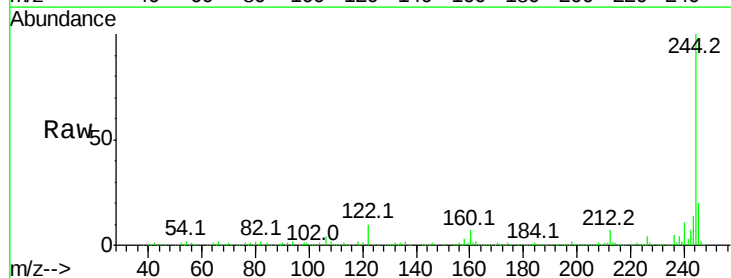
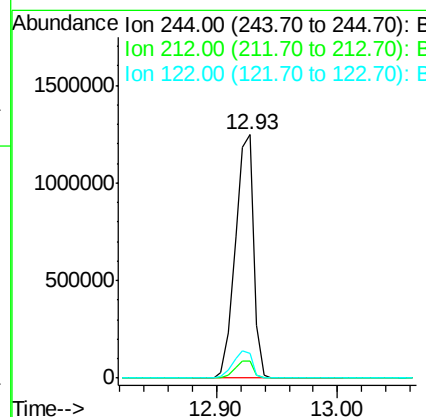
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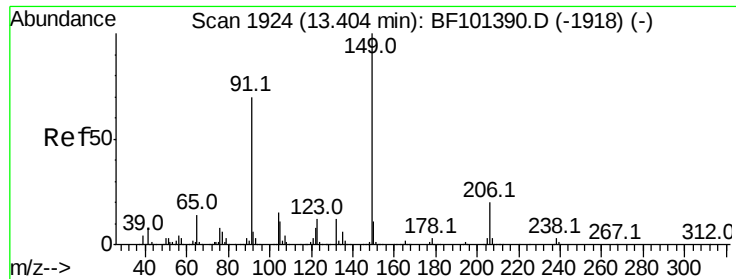
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#78  
Terphenyl-d14  
Concen: 101.641 ng  
RT: 12.93 min Scan# 1843  
Delta R.T. 0.01 min  
Lab File: BF101543.D  
Acq: 20 Dec 2017 1:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 6.8   | 5.4   | 8.0   |
| 122     | 10.4  | 11.0  | 16.4  |





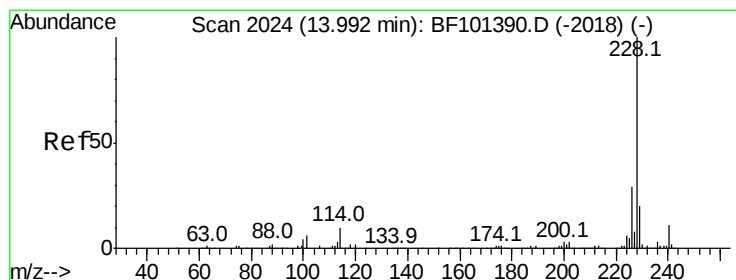
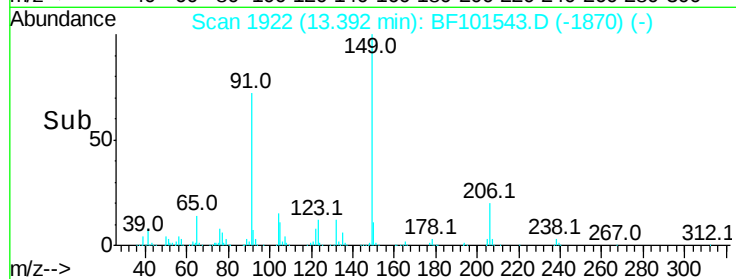
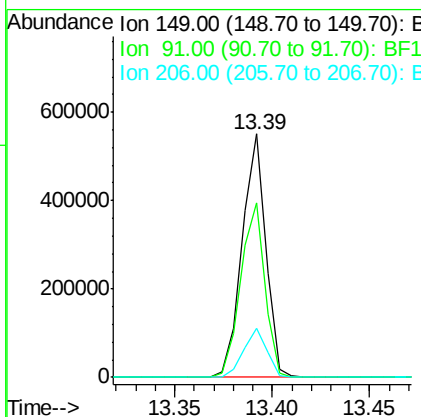
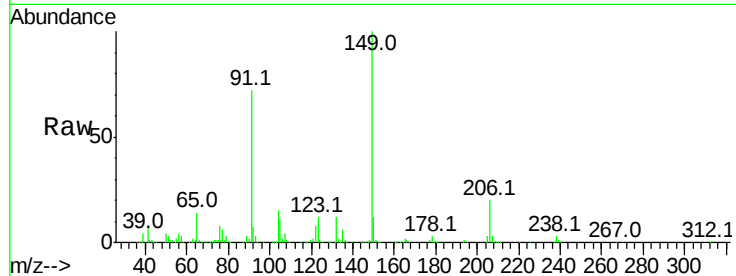
#79  
 Butylbenzylphthalate  
 Concen: 43.847 ng  
 RT: 13.39 min Scan# 1922  
 Delta R.T. 0.01 min  
 Lab File: BF101543.D  
 Acq: 20 Dec 2017 1:49

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB105156BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 462913 |       |       |
| 91      | 71.8  | 56.8   | 85.2  |       |
| 206     | 20.4  | 14.1   | 21.1  |       |

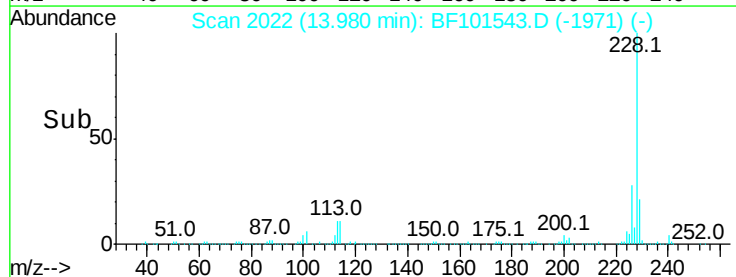
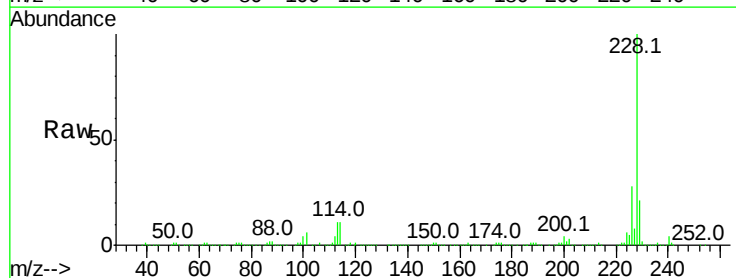
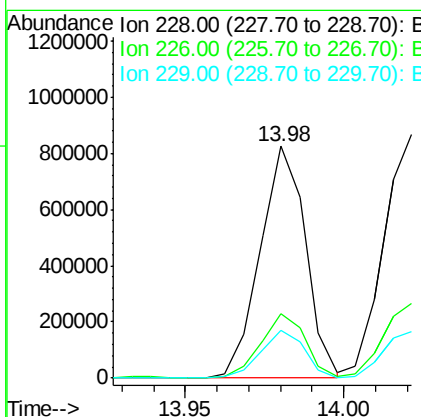
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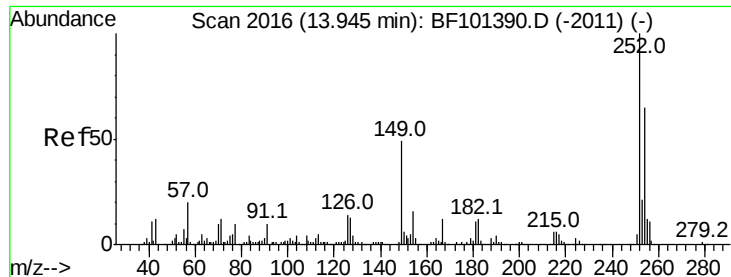
Sohil  
 12/20/2017 3:48:15 PM



#80  
 Benzo(a)anthracene  
 Concen: 40.046 ng  
 RT: 13.98 min Scan# 2022  
 Delta R.T. 0.00 min  
 Lab File: BF101543.D  
 Acq: 20 Dec 2017 1:49

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 228     | 100   | 822110 |       |       |
| 226     | 27.7  | 22.6   | 33.8  |       |
| 229     | 20.7  | 15.8   | 23.6  |       |





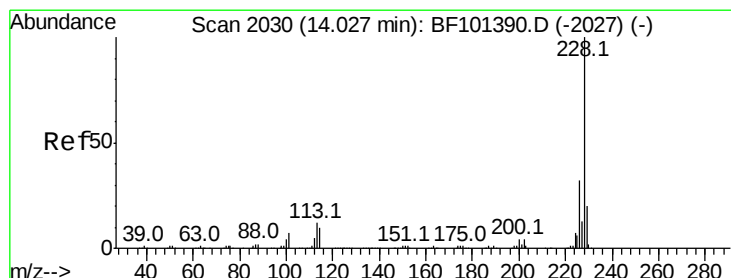
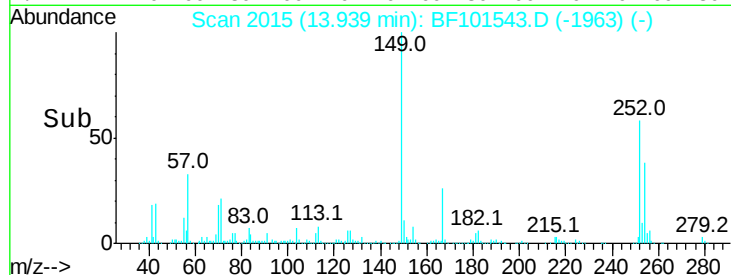
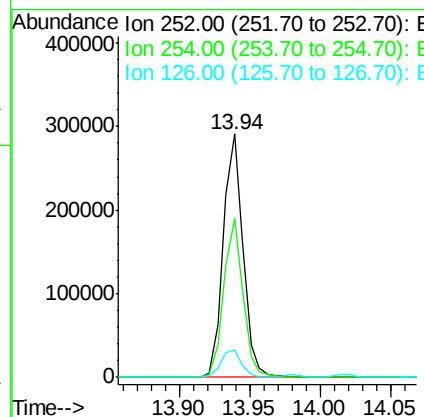
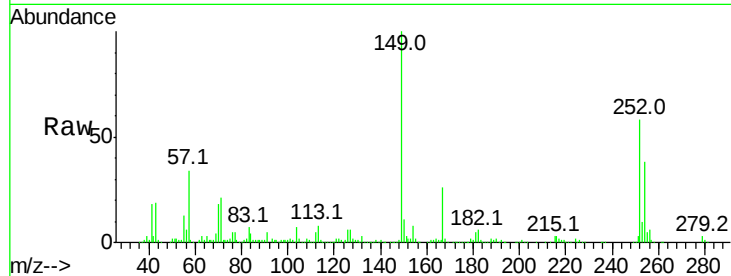
#81  
 3,3'-Dichlorobenzidine  
 Concen: 42.415 ng  
 RT: 13.94 min Scan# 2015  
 Delta R.T. 0.01 min  
 Lab File: BF101543.D  
 Acq: 20 Dec 2017 1:49

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB105156BS

| Tot Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 252     | 100   |            |            |
| 254     | 65.4  | 50.4       | 75.6       |
| 126     | 11.0  | 11.3       | 16.9       |

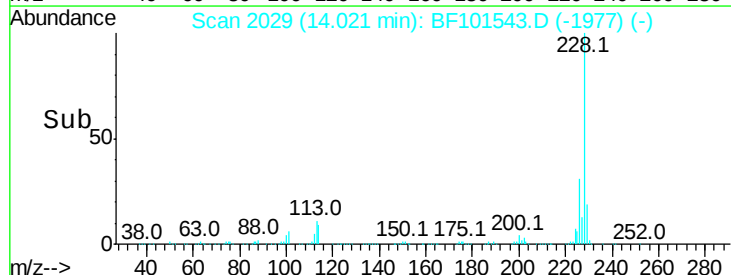
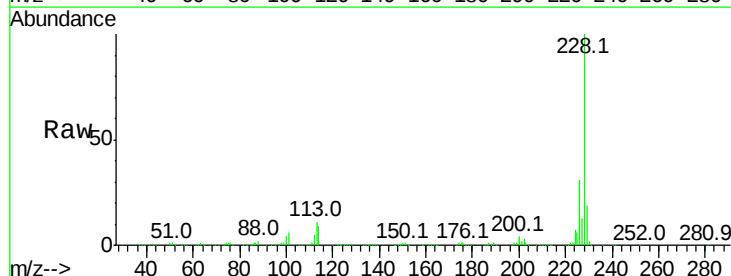
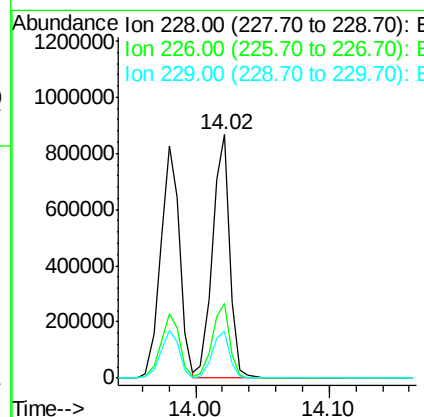
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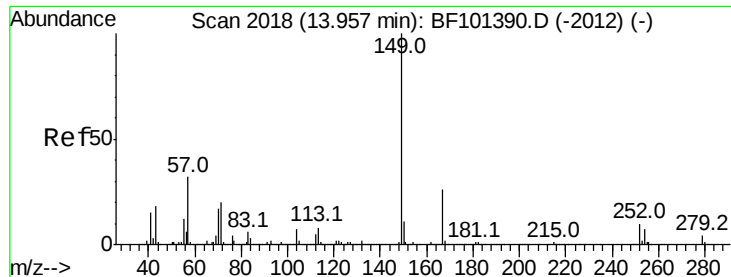
Sohil  
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#82  
 Chrysene  
 Concen: 40.407 ng  
 RT: 14.02 min Scan# 2029  
 Delta R.T. 0.01 min  
 Lab File: BF101543.D  
 Acq: 20 Dec 2017 1:49

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 228     | 100   |            |            |
| 226     | 30.6  | 25.0       | 37.6       |
| 229     | 19.1  | 16.2       | 24.4       |





#83

Bis(2-ethylhexyl)phthalate

Concen: 42.622 ng

RT: 13.94 min Scan# 2016

Delta R.T. 0.01 min

Lab File: BF101543.D

Acq: 20 Dec 2017 1:49

Instrument :

BNA\_F

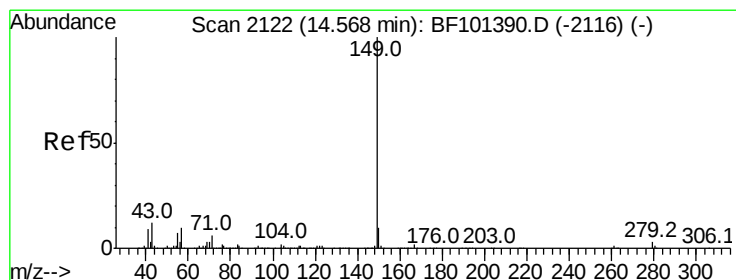
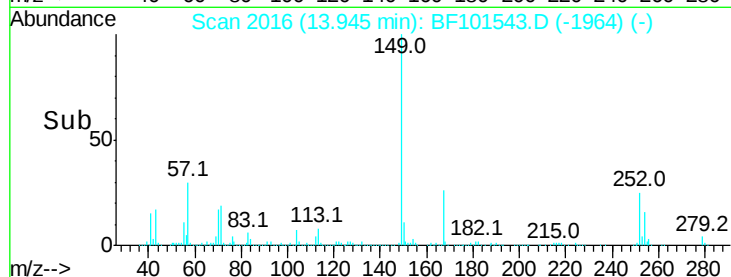
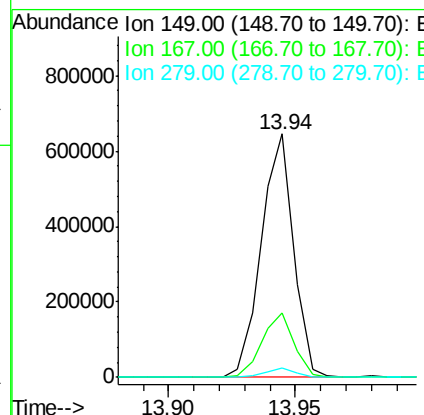
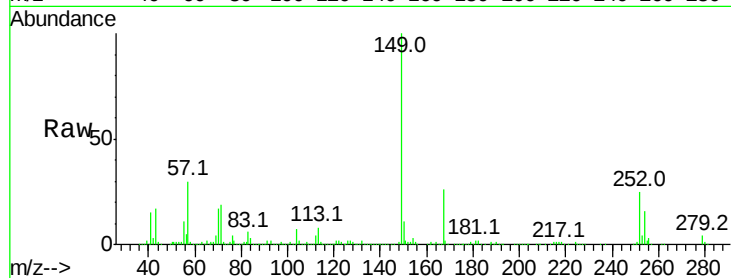
ClientSampleId :

PB105156BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 569958 |       |       |
| 167     | 26.4  |        | 21.3  | 31.9  |
| 279     | 3.7   |        | 3.0   | 4.4   |

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#84

Di-n-octyl phthalate

Concen: 41.956 ng

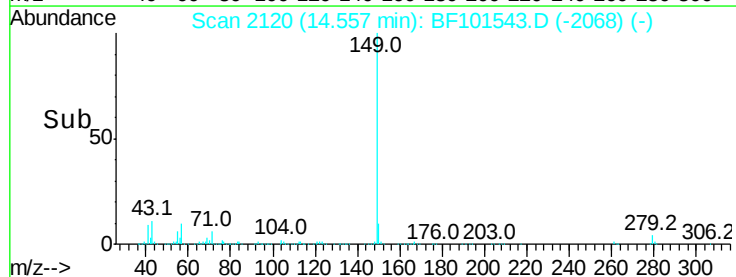
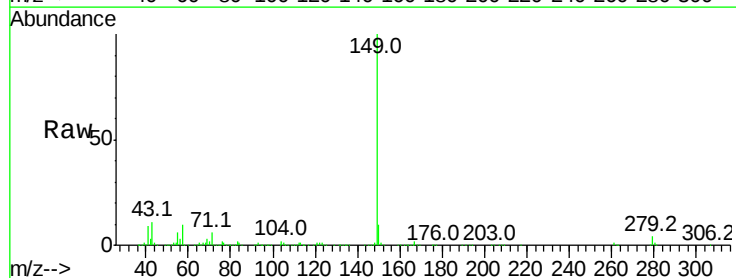
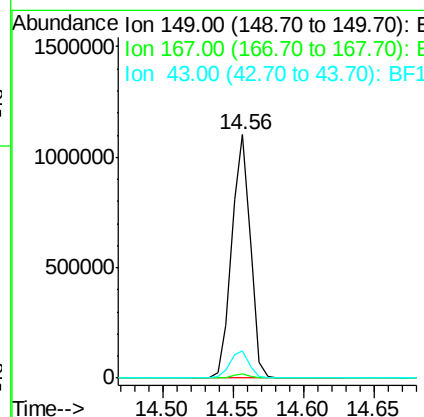
RT: 14.56 min Scan# 2120

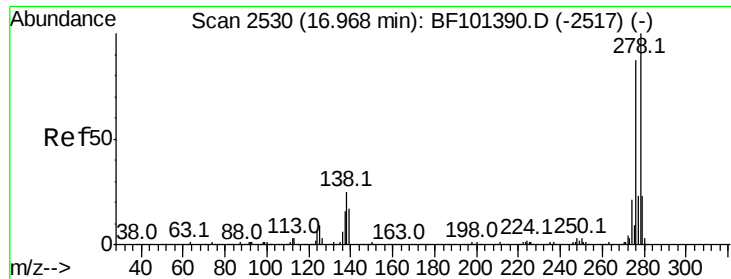
Delta R.T. 0.01 min

Lab File: BF101543.D

Acq: 20 Dec 2017 1:49

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 149     | 100   | 1000585 |       |       |
| 167     | 1.6   |         | 1.2   | 1.8   |
| 43      | 11.4  |         | 8.4   | 12.6  |





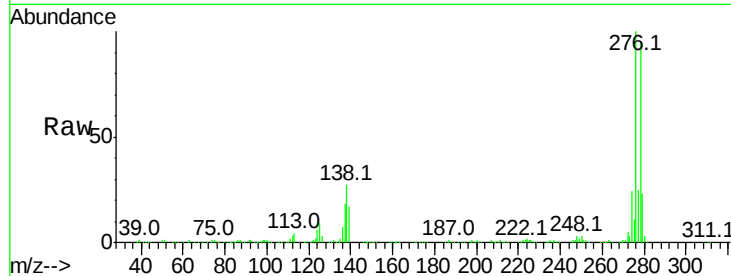
#85  
Indeno(1,2,3-cd)pyrene  
Concen: 46.452 ng  
RT: 16.96 min Scan# 2528  
Delta R.T. 0.02 min  
Lab File: BF101543.D  
Acq: 20 Dec 2017 1:49

Instrument :  
BNA\_F  
ClientSampleId :  
PB105156BS

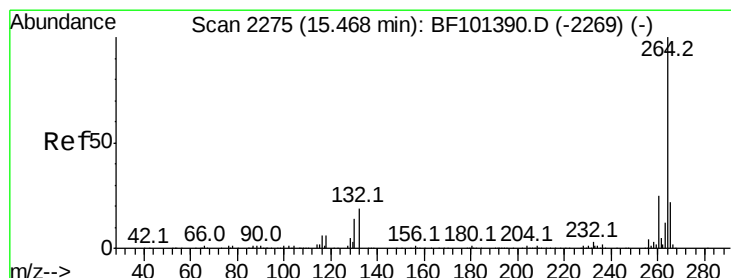
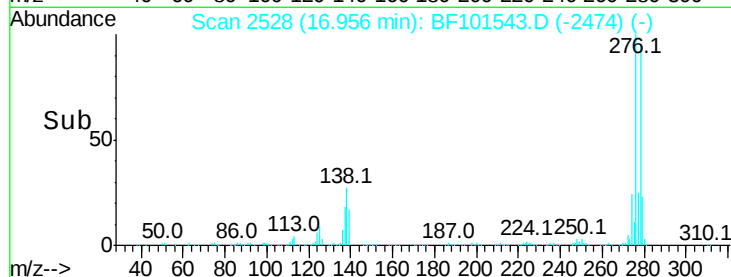
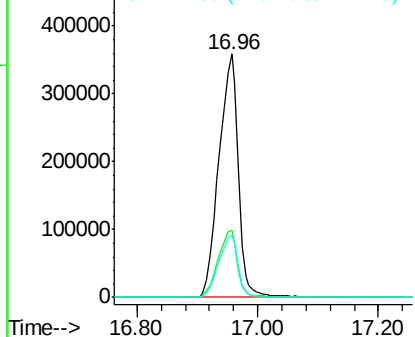
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 27.3  | 25.0  | 37.6  |
| 277     | 25.3  | 20.1  | 30.1  |

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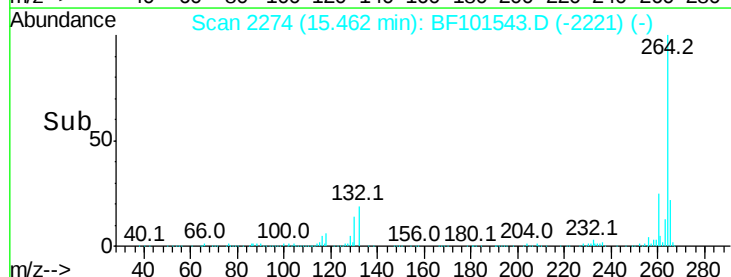
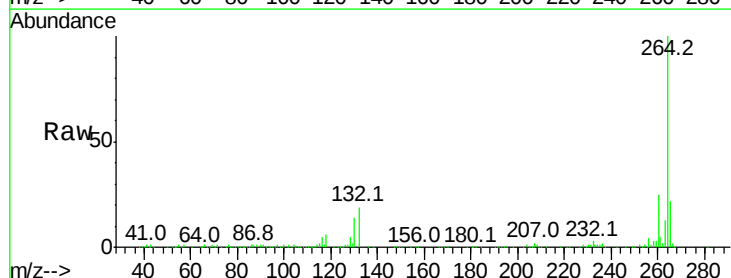
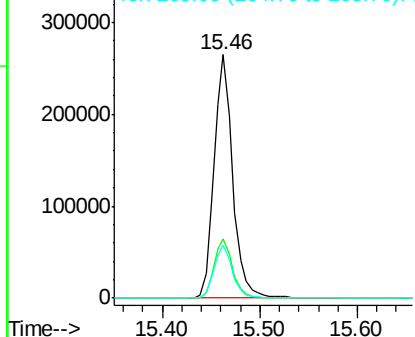
Abundance Ion 276.00 (275.70 to 276.70): E  
Ion 138.00 (137.70 to 138.70): E  
Ion 277.00 (276.70 to 277.70): E

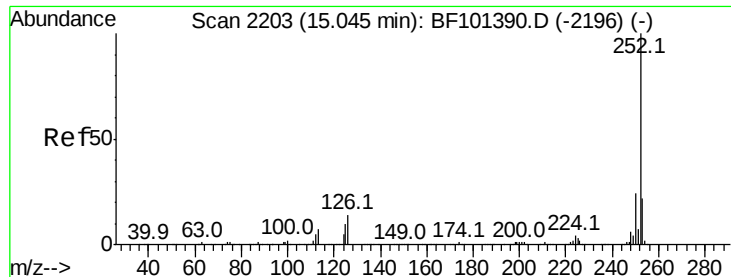


#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.46 min Scan# 2274  
Delta R.T. 0.01 min  
Lab File: BF101543.D  
Acq: 20 Dec 2017 1:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.5  | 19.2  | 28.8  |
| 265     | 21.6  | 17.5  | 26.3  |

Abundance Ion 264.00 (263.70 to 264.70): E  
Ion 260.00 (259.70 to 260.70): E  
Ion 265.00 (264.70 to 265.70): E





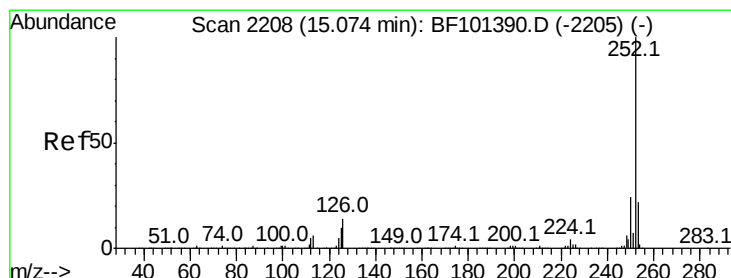
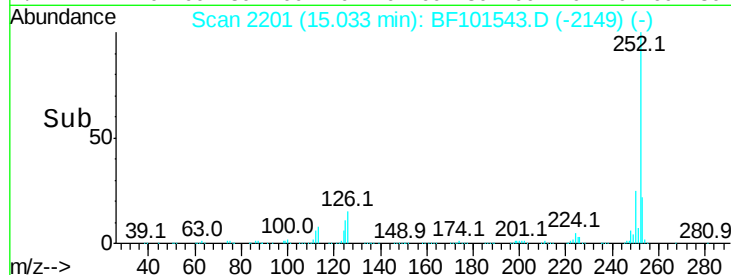
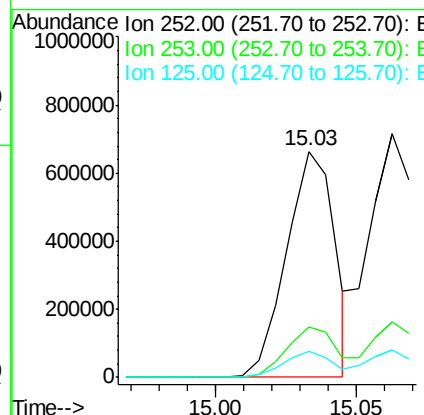
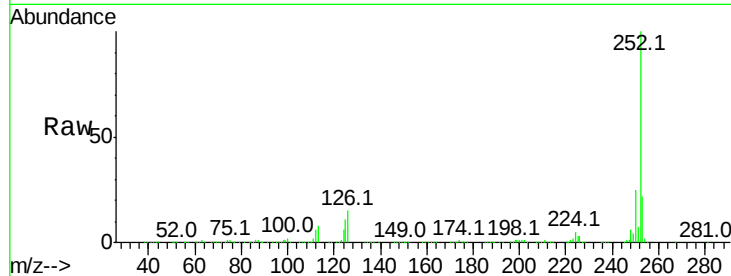
#87  
Benzo(b)fluoranthene  
Concen: 37.090 ng  
RT: 15.03 min Scan# 2201  
Delta R.T. 0.01 min  
Lab File: BF101543.D  
Acq: 20 Dec 2017 1:49

Instrument :  
BNA\_F  
ClientSampleId :  
PB105156BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.1  | 17.0  | 25.6  |
| 125     | 11.2  | 9.0   | 13.6  |

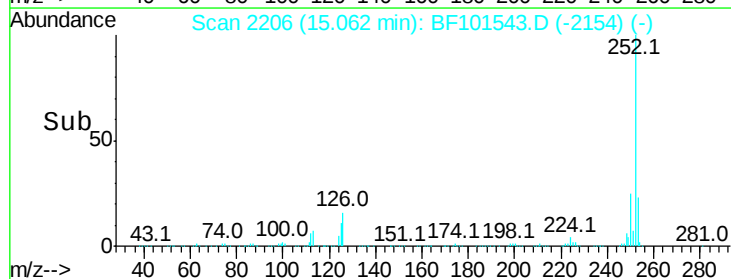
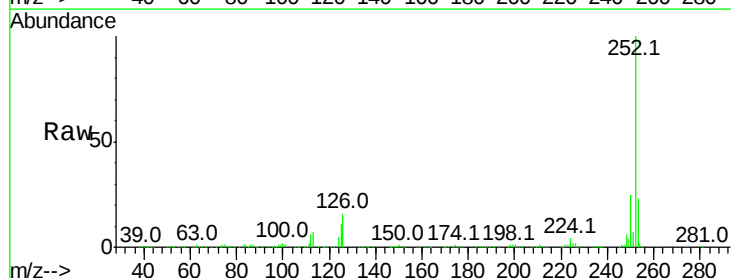
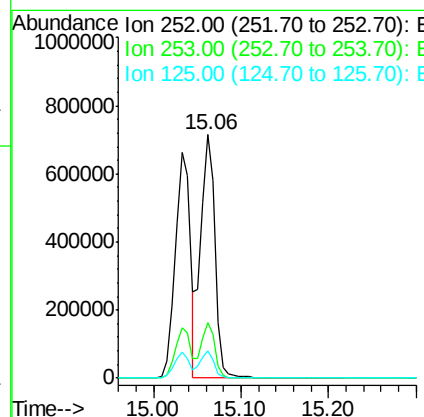
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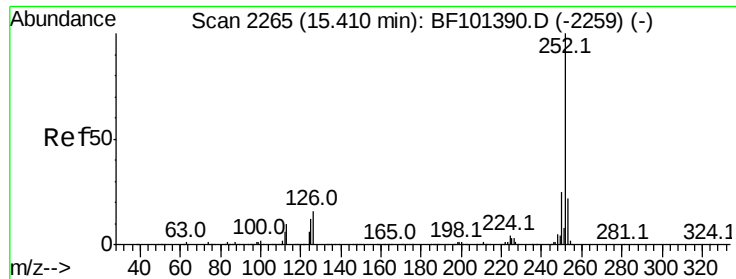
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#88  
Benzo(k)fluoranthene  
Concen: 39.515 ng  
RT: 15.06 min Scan# 2206  
Delta R.T. 0.01 min  
Lab File: BF101543.D  
Acq: 20 Dec 2017 1:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.6  | 17.9  | 26.9  |
| 125     | 11.4  | 10.2  | 15.2  |





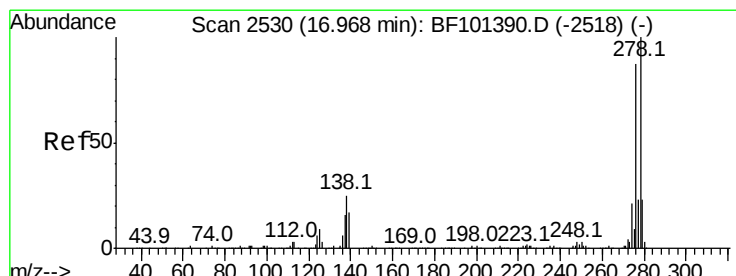
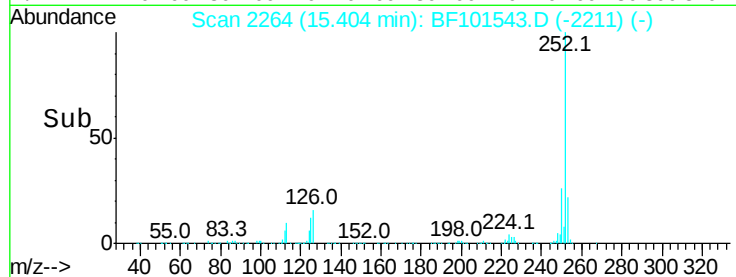
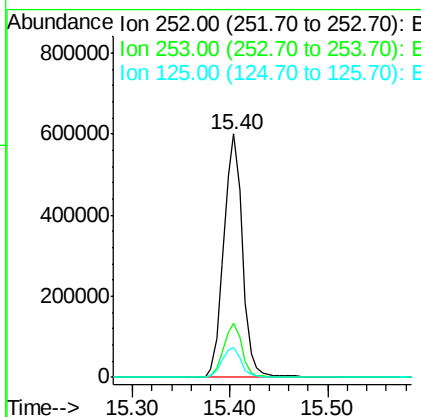
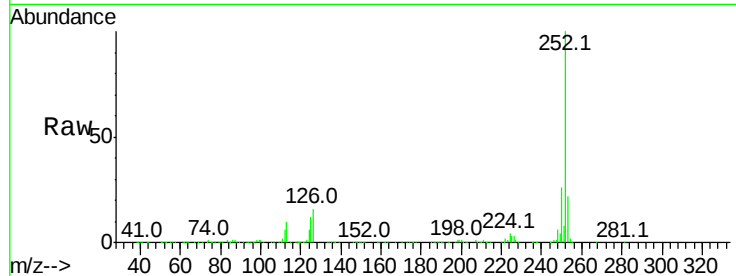
#89  
Benzo(a)pyrene  
Concen: 40.858 ng  
RT: 15.40 min Scan# 2264  
Delta R.T. 0.01 min  
Lab File: BF101543.D  
Acq: 20 Dec 2017 1:49

Instrument :  
BNA\_F  
ClientSampleId :  
PB105156BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.1  | 17.1  | 25.7  |
| 125     | 12.2  | 9.8   | 14.6  |

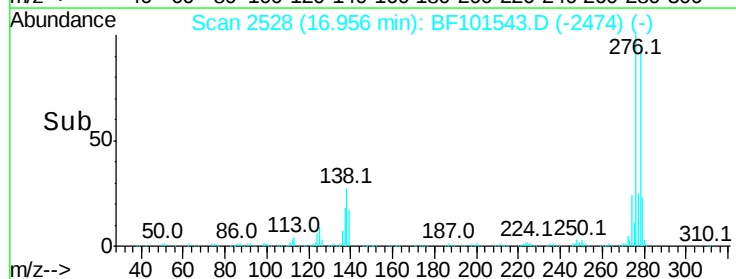
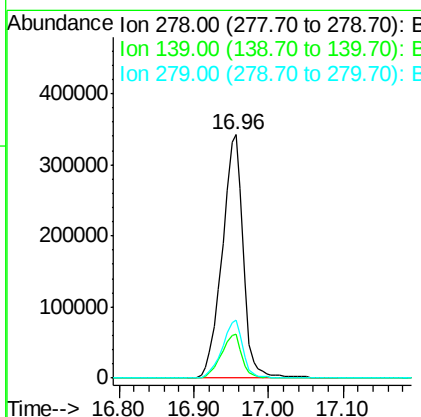
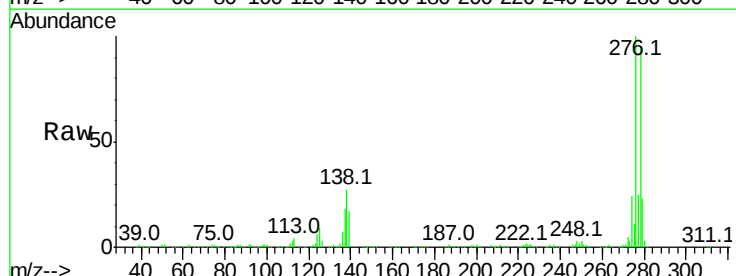
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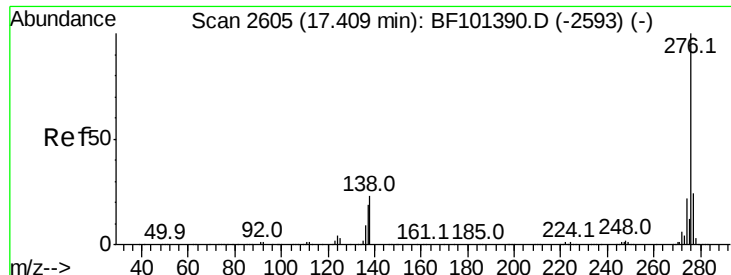
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#90  
Dibenzo(a,h)anthracene  
Concen: 40.056 ng  
RT: 16.96 min Scan# 2528  
Delta R.T. 0.02 min  
Lab File: BF101543.D  
Acq: 20 Dec 2017 1:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 18.0  | 15.9  | 23.9  |
| 279     | 23.6  | 19.0  | 28.4  |





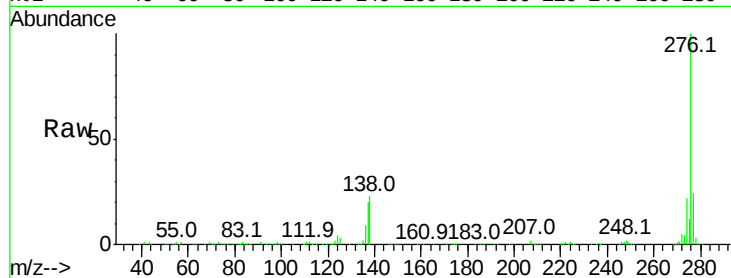
#91  
 Benzo(a,h,i)perylene  
 Concen: 38.937 ng  
 RT: 17.40 min Scan# 2603  
 Delta R.T. 0.02 min  
 Lab File: BF101543.D  
 Acq: 20 Dec 2017 1:49

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB105156BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 23.6  | 17.9  | 26.9  |
| 138     | 23.5  | 21.8  | 32.8  |

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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

