

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101218\  
 Data File : BF109842.D  
 Acq On : 12 Oct 2018 19:07  
 Operator : JU/SJ  
 Sample : J5197-01MSD  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HD-01-101118MSD

Manual Integrations  
 APPROVED

Sohil  
 10/15/2018 10:28:29 AM

Quant Time: Oct 12 22:34:06 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF100818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 08 16:02:11 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.70  | 152  | 104458   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 7.97  | 136  | 412768   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.72  | 164  | 187941   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.20 | 188  | 350407   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 13.83 | 240  | 199851   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.23 | 264  | 196856   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.33  | 112 | 825531  | 140.28 | ng | 0.00 |
| 7) Phenol-d6             | 6.36  | 99  | 1073270 | 136.52 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 7.26  | 82  | 738781  | 98.66  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.52 | 330 | 277778  | 135.65 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 9.05  | 172 | 1251065 | 91.68  | ng | 0.00 |
| 78) Terphenyl-d14        | 12.78 | 244 | 958080  | 92.80  | ng | 0.00 |

## Target Compounds

|                                |      |     |        |        |    | Qvalue |
|--------------------------------|------|-----|--------|--------|----|--------|
| 2) 1,4-Dioxane                 | 2.46 | 88  | 91356  | 29.579 | ng | 97     |
| 3) Pyridine                    | 3.18 | 79  | 212072 | 33.282 | ng | 97     |
| 4) n-Nitrosodimethylamine      | 3.11 | 42  | 107971 | 46.946 | ng | 96     |
| 6) Aniline                     | 6.37 | 93  | 246907 | 26.961 | ng | # 41   |
| 8) 2-Chlorophenol              | 6.49 | 128 | 304255 | 42.038 | ng | 96     |
| 9) Benzaldehyde                | 6.25 | 77  | 139135 | 27.503 | ng | 98     |
| 10) Phenol                     | 6.37 | 94  | 358827 | 39.805 | ng | 81     |
| 11) bis(2-Chloroethyl)ether    | 6.44 | 93  | 263338 | 35.236 | ng | 99     |
| 12) 1,3-Dichlorobenzene        | 6.64 | 146 | 322071 | 38.907 | ng | 98     |
| 13) 1,4-Dichlorobenzene        | 6.71 | 146 | 355120 | 39.355 | ng | 98     |
| 14) 1,2-Dichlorobenzene        | 6.87 | 146 | 324934 | 41.003 | ng | 99     |
| 15) Benzyl Alcohol             | 6.85 | 79  | 251915 | 43.224 | ng | 99     |
| 16) 2,2'-oxybis(1-Chloropropan | 6.97 | 45  | 393347 | 39.693 | ng | 93     |
| 17) 2-Methylphenol             | 6.97 | 107 | 242661 | 42.398 | ng | 99     |
| 18) Hexachloroethane           | 7.20 | 117 | 128489 | 40.285 | ng | 97     |
| 19) n-Nitroso-di-n-propylamine | 7.12 | 70  | 223797 | 40.594 | ng | 99     |
| 20) 3+4-Methylphenols          | 7.12 | 107 | 293069 | 41.555 | ng | 93     |
| 22) Acetophenone               | 7.11 | 105 | 453563 | 45.440 | ng | # 99   |
| 24) Nitrobenzene               | 7.28 | 77  | 331949 | 42.603 | ng | 97     |
| 25) Isophorone                 | 7.52 | 82  | 614676 | 49.434 | ng | 99     |
| 26) 2-Nitrophenol              | 7.60 | 139 | 159620 | 43.797 | ng | 99     |
| 27) 2,4-Dimethylphenol         | 7.65 | 122 | 266334 | 50.605 | ng | 100    |
| 28) bis(2-Chloroethoxy)methane | 7.73 | 93  | 382582 | 45.488 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 7.85 | 162 | 269839 | 45.710 | ng | 98     |
| 30) 1,2,4-Trichlorobenzene     | 7.92 | 180 | 276505 | 42.311 | ng | 99     |
| 31) Naphthalene                | 8.00 | 128 | 900955 | 47.197 | ng | 100    |
| 32) Benzoic acid               | 7.78 | 122 | 66760m | 17.742 | ng |        |
| 33) 4-Chloroaniline            | 8.06 | 127 | 98724  | 11.744 | ng | 98     |
| 34) Hexachlorobutadiene        | 8.12 | 225 | 168840 | 41.553 | ng | 99     |
| 35) Caprolactam                | 8.43 | 113 | 75641m | 42.905 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 8.55 | 107 | 284205 | 45.608 | ng | 98     |
| 37) 2-Methylnaphthalene        | 8.69 | 142 | 592328 | 47.370 | ng | 98     |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.86 | 216 | 278113 | 43.472 | ng | 99     |
| 40) Hexachlorocyclopentadiene  | 8.85 | 237 | 193506 | 70.061 | ng | 98     |

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 HD-01-101118MSD

Manual Integrations  
 APPROVED

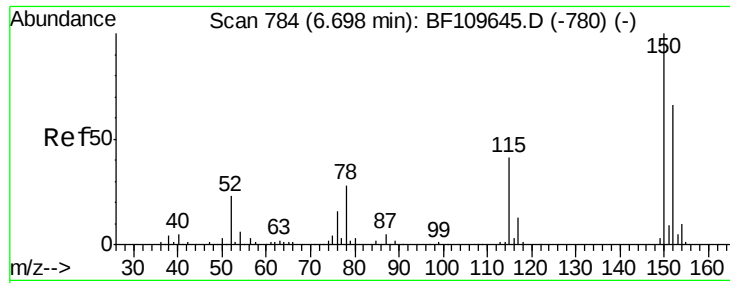
Sohil  
 10/15/2018 10:28:29 AM

Quant Time: Oct 12 22:34:06 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF100818.M  
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 QLast Update : Mon Oct 08 16:02:11 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 8.97  | 196  | 168079   | 43.949 | nq    | 99       |
| 43) 2,4,5-Trichlorophenol      | 9.02  | 196  | 193812   | 44.075 | nq    | 98       |
| 45) 1,1'-Biphenyl              | 9.15  | 154  | 724137   | 43.130 | nq    | 100      |
| 46) 2-Chloronaphthalene        | 9.17  | 162  | 551353   | 43.832 | nq    | 97       |
| 47) 2-Nitroaniline             | 9.28  | 65   | 175408   | 46.054 | nq    | 93       |
| 48) Acenaphthylene             | 9.59  | 152  | 851216   | 46.418 | nq    | 99       |
| 49) Dimethylphthalate          | 9.46  | 163  | 752536   | 54.596 | nq    | 100      |
| 50) 2,6-Dinitrotoluene         | 9.52  | 165  | 133101   | 44.547 | nq    | 98       |
| 51) Acenaphthene               | 9.76  | 154  | 478909   | 44.054 | nq    | 99       |
| 52) 3-Nitroaniline             | 9.69  | 138  | 82529    | 24.641 | nq    | 99       |
| 53) 2,4-Dinitrophenol          | 9.80  | 184  | 55510    | 57.584 | nq    | 96       |
| 54) Dibenzofuran               | 9.93  | 168  | 712524   | 43.726 | nq    | 100      |
| 55) 4-Nitrophenol              | 9.87  | 139  | 148884   | 81.212 | nq    | 93       |
| 56) 2,4-Dinitrotoluene         | 9.93  | 165  | 166009   | 44.522 | nq    | # 88     |
| 57) Fluorene                   | 10.27 | 166  | 563575   | 46.313 | nq    | 100      |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.06 | 232  | 171573   | 47.999 | nq    | 95       |
| 59) Diethylphthalate           | 10.15 | 149  | 624312   | 45.713 | nq    | 98       |
| 60) 4-Chlorophenyl-phenylether | 10.26 | 204  | 274665   | 42.784 | nq    | 99       |
| 61) 4-Nitroaniline             | 10.31 | 138  | 132078   | 42.582 | nq    | 97       |
| 62) Azobenzene                 | 10.43 | 77   | 631571   | 45.540 | nq    | 97       |
| 64) 4,6-Dinitro-2-methylphenol | 10.34 | 198  | 61995    | 36.350 | nq    | 93       |
| 65) n-Nitrosodiphenylamine     | 10.39 | 169  | 518437   | 43.644 | nq    | 99       |
| 66) 4-Bromophenyl-phenylether  | 10.75 | 248  | 172271   | 42.787 | nq    | 95       |
| 67) Hexachlorobenzene          | 10.82 | 284  | 178498   | 40.942 | nq    | # 91     |
| 68) Atrazine                   | 10.92 | 200  | 165343   | 44.601 | nq    | 99       |
| 69) Pentachlorophenol          | 11.02 | 266  | 166525   | 67.879 | nq    | 98       |
| 70) Phenanthrene               | 11.23 | 178  | 790111   | 45.057 | nq    | 99       |
| 71) Anthracene                 | 11.28 | 178  | 856998   | 47.277 | nq    | 100      |
| 72) Carbazole                  | 11.44 | 167  | 737745   | 41.962 | nq    | 100      |
| 73) Di-n-butylphthalate        | 11.77 | 149  | 901119   | 44.192 | nq    | 99       |
| 74) Fluoranthene               | 12.41 | 202  | 747526   | 40.805 | nq    | 98       |
| 76) Benzidine                  | 12.54 | 184  | 296859   | 39.986 | nq    | 97       |
| 77) Pyrene                     | 12.63 | 202  | 716337   | 48.922 | nq    | 99       |
| 79) Butylbenzylphthalate       | 13.25 | 149  | 321371   | 50.623 | nq    | 94       |
| 80) Benzo(a)anthracene         | 13.82 | 228  | 504558   | 45.750 | nq    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 13.79 | 252  | 143180   | 32.242 | nq    | 98       |
| 82) Chrysene                   | 13.86 | 228  | 542734   | 46.851 | nq    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 13.82 | 149  | 399880   | 51.630 | nq    | 99       |
| 84) Di-n-octyl phthalate       | 14.42 | 149  | 634096   | 51.796 | nq    | 100      |
| 85) Indeno(1,2,3-cd)pyrene     | 16.59 | 276  | 527281   | 63.592 | nq    | 99       |
| 87) Benzo(b)fluoranthene       | 14.83 | 252  | 493865   | 45.398 | nq    | 99       |
| 88) Benzo(k)fluoranthene       | 14.86 | 252  | 466847   | 42.711 | nq    | 98       |
| 89) Benzo(a)pyrene             | 15.17 | 252  | 466863   | 47.291 | nq    | 98       |
| 90) Dibenzo(a,h)anthracene     | 16.59 | 278  | 442738   | 54.607 | nq    | 98       |
| 91) Benzo(g,h,i)perylene       | 16.99 | 276  | 434014   | 53.607 | nq    | 99       |

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





#1

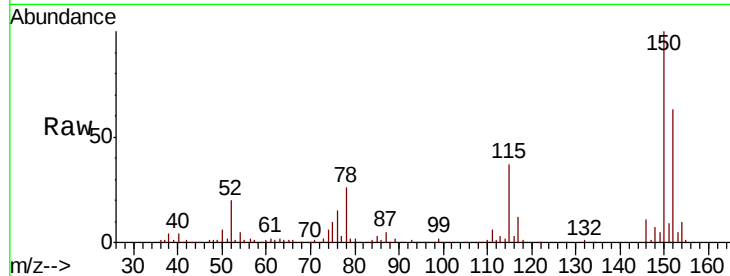
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.70 min Scan# 784  
Delta R.T. -0.00 min  
Lab File: BF109842.D  
Acq: 12 Oct 2018 19:07

Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-101118MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 159.3 | 122.7 | 184.1 |
| 115     | 59.4  | 49.1  | 73.7  |

Manual Integrations  
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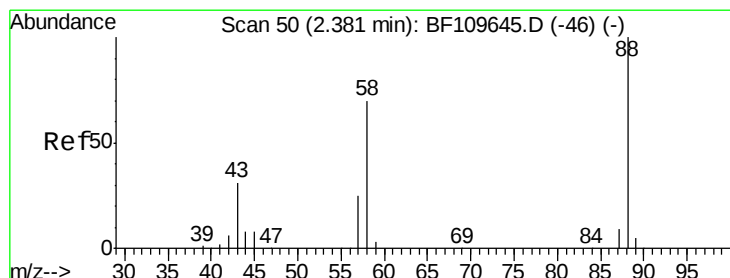
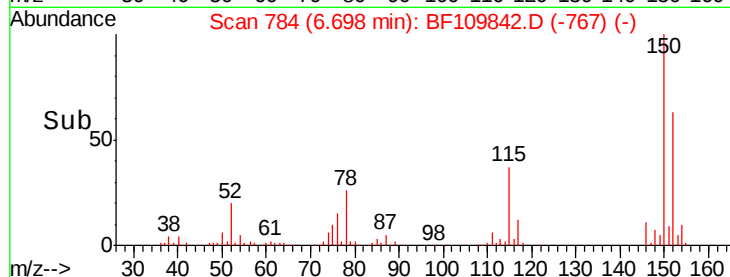
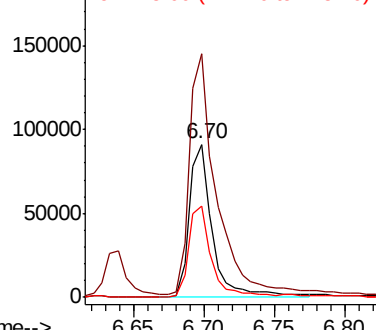


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

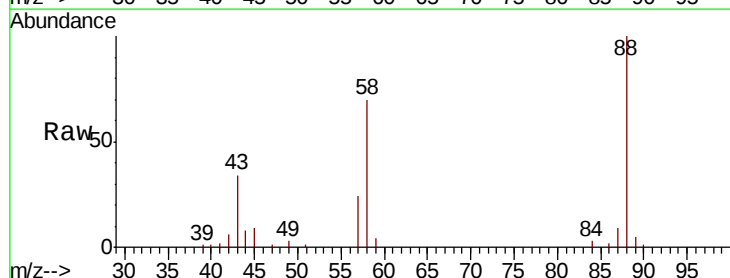
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane  
Concen: 29.579 ng  
RT: 2.46 min Scan# 63  
Delta R.T. 0.08 min  
Lab File: BF109842.D  
Acq: 12 Oct 2018 19:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 70.1  | 57.1  | 85.7  |
| 43      | 33.8  | 24.1  | 36.1  |

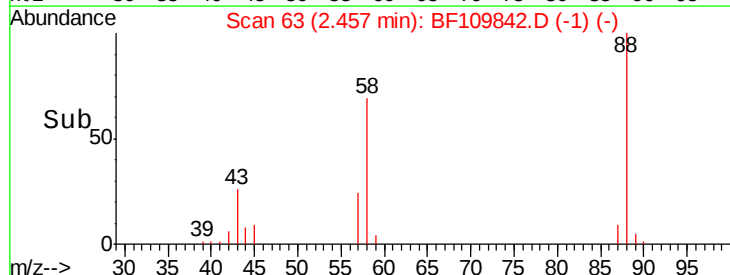
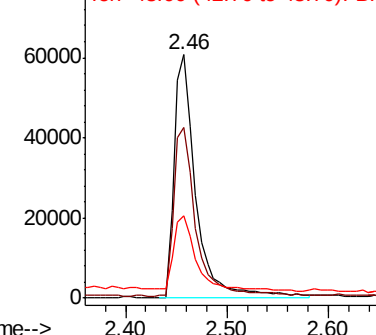


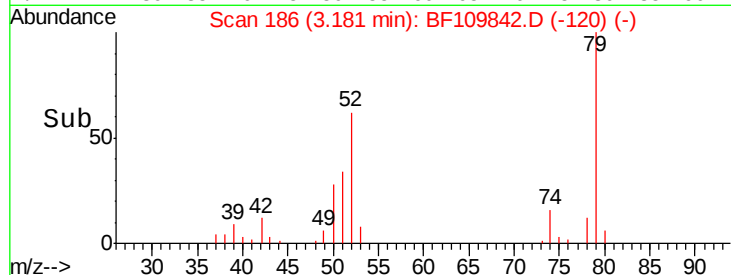
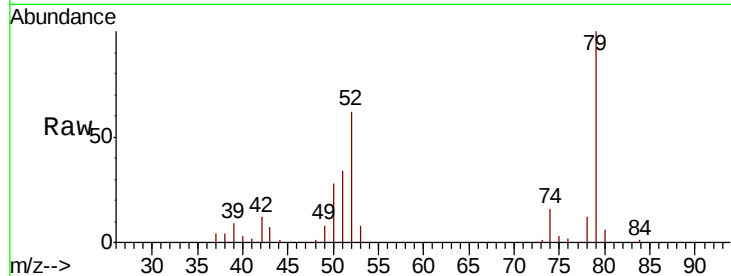
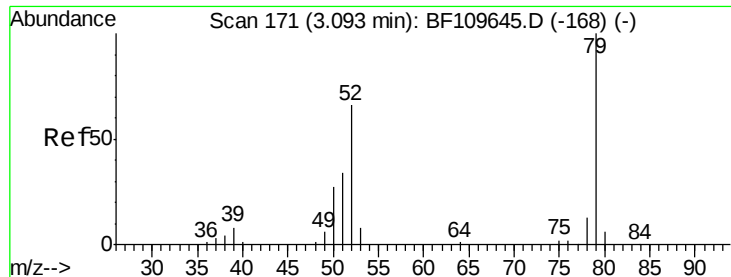
Abundance

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





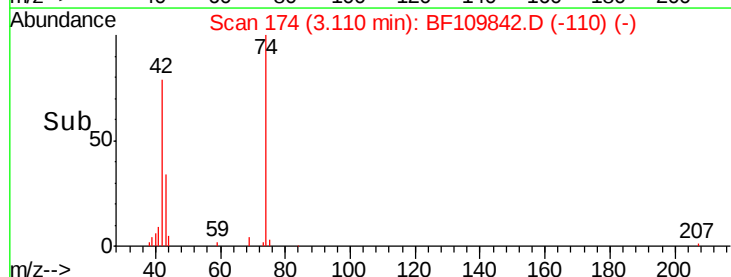
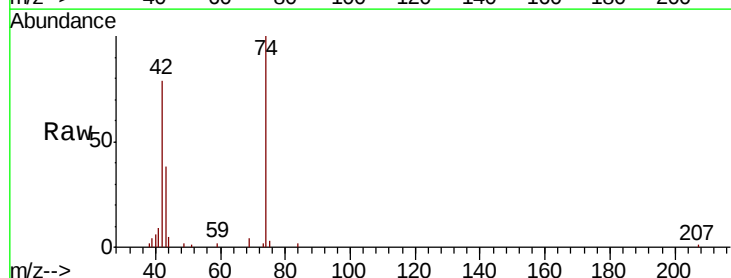
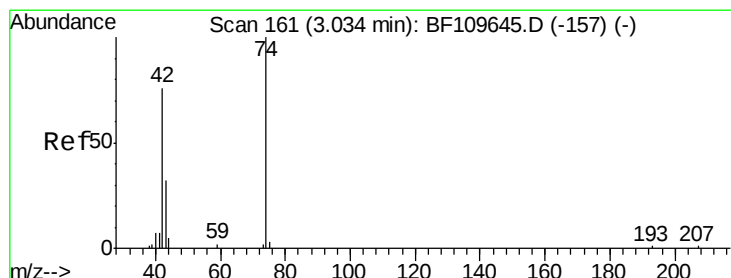
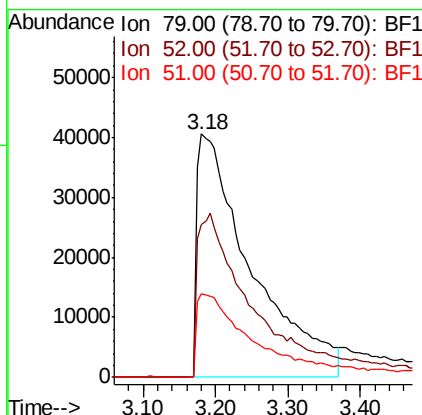
#3  
 Pvridine  
 Concen: 33.282 ng  
 RT: 3.18 min Scan# 186  
 Delta R.T. 0.09 min  
 Lab File: BF109842.D  
 Acq: 12 Oct 2018 19:07

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 52      | 62.5  | 53.1  | 79.7  |
| 51      | 34.4  | 27.4  | 41.2  |

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 BNA\_F  
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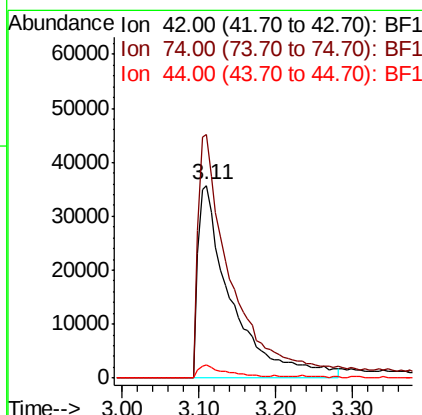
Manual Integrations  
 APPROVED

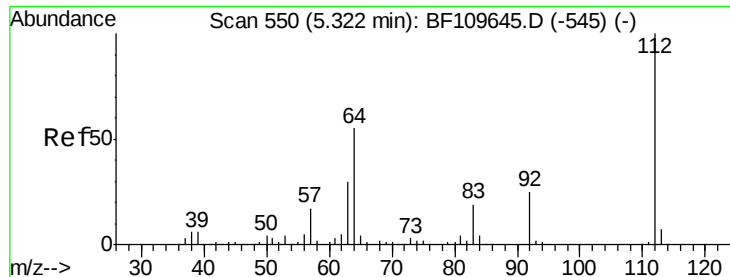
Sohil  
 10/15/2018 10:28:29 AM



#4  
 n-Nitrosodimethylamine  
 Concen: 46.946 ng  
 RT: 3.11 min Scan# 174  
 Delta R.T. 0.08 min  
 Lab File: BF109842.D  
 Acq: 12 Oct 2018 19:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 74      | 126.5 | 105.5 | 158.3 |
| 44      | 6.6   | 4.9   | 7.3   |





#5

2-Fluorophenol

Concen: 140.281 ng

RT: 5.33 min Scan# 551

Delta R.T. 0.01 min

Lab File: BF109842.D

Acq: 12 Oct 2018 19:07

Instrument :

BNA\_F

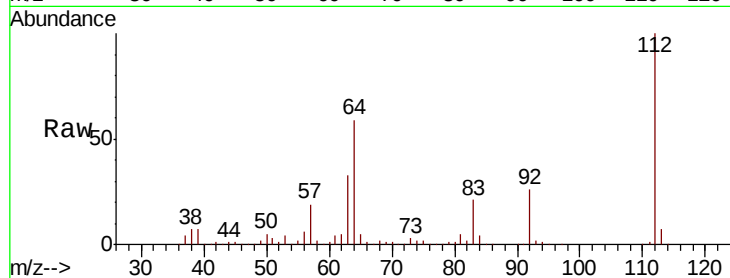
ClientSampleId :

HD-01-101118MSD

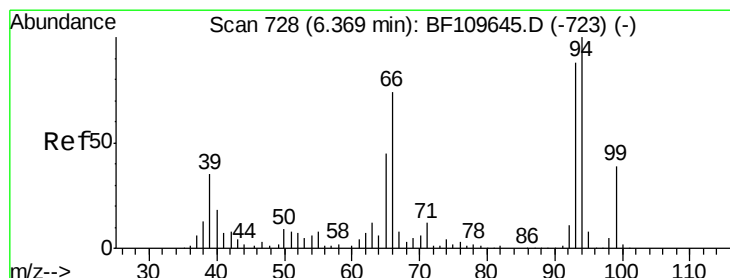
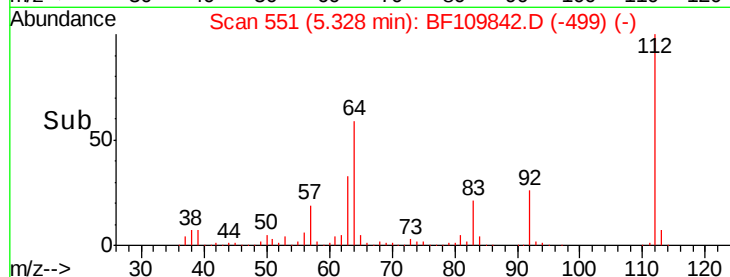
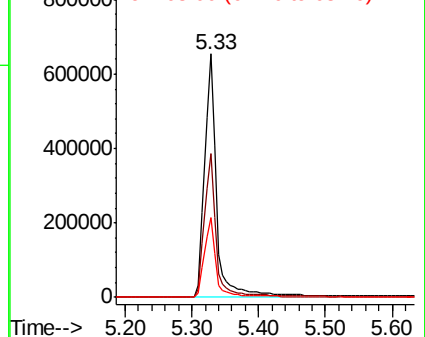
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 112     | 100   | 825531 |       |       |
| 64      | 59.2  | 44.1   | 66.1  |       |
| 63      | 32.6  | 23.7   | 35.5  |       |

Manual Integrations  
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Abundance Ion 112.00 (111.70 to 112.70): BF1  
Ion 64.00 (63.70 to 64.70): BF1  
Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 26.961 ng

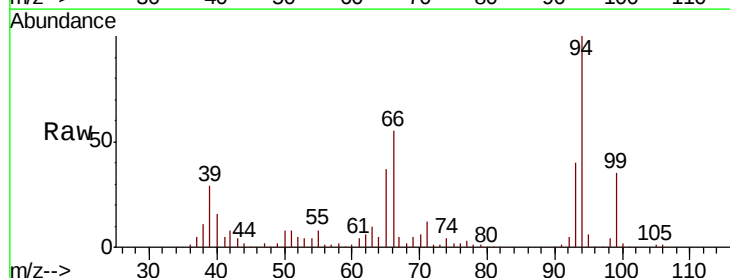
RT: 6.37 min Scan# 728

Delta R.T. -0.00 min

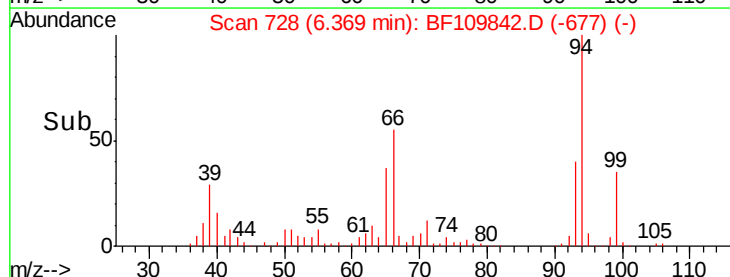
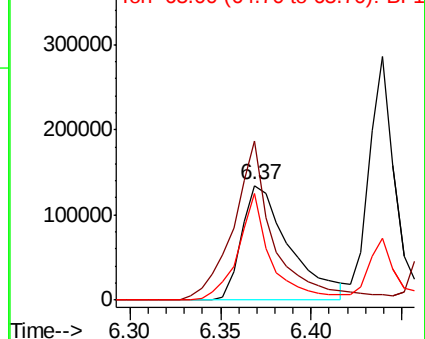
Lab File: BF109842.D

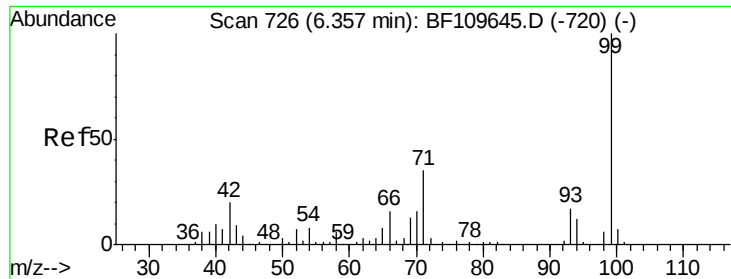
Acq: 12 Oct 2018 19:07

| Tgt Ion | Ratio | Resp   | Lower  | Upper |
|---------|-------|--------|--------|-------|
| 93      | 100   | 246907 |        |       |
| 66      | 137.9 | 67.4   | 101.0# |       |
| 65      | 92.9  | 41.0   | 61.4#  |       |



Abundance Ion 93.00 (92.70 to 93.70): BF1  
Ion 66.00 (65.70 to 66.70): BF1  
Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 136.522 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.00 min

Lab File: BF109842.D

Acq: 12 Oct 2018 19:07

Instrument :

BNA\_F

ClientSampleId :

HD-01-101118MSD

Tot Ion: 99 Resp: 1073270

Ion Ratio Lower Upper

99 100

42 20.3 15.8 23.6

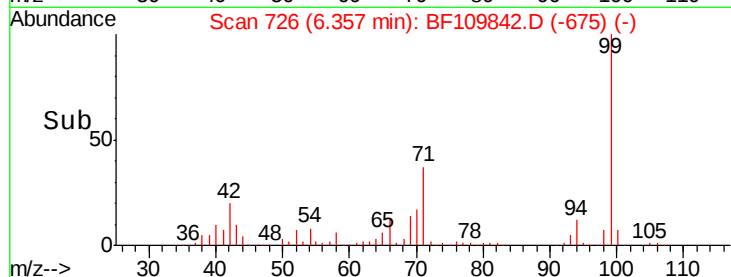
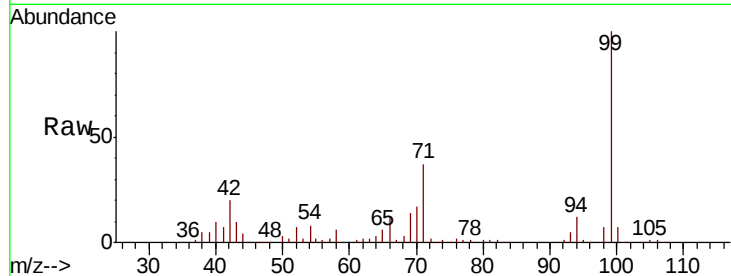
71 37.5 28.0 42.0

Manual Integrations

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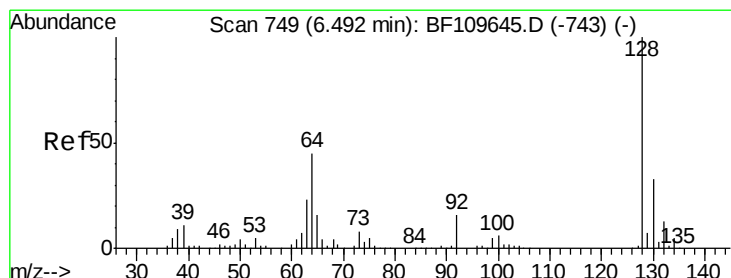
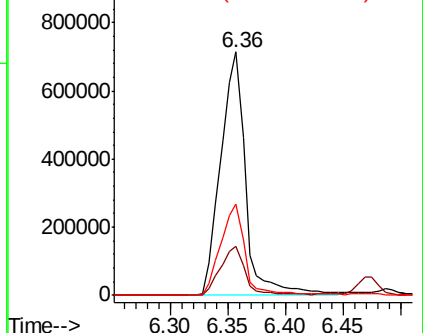
10/15/2018 10:28:29 AM



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: 42.038 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF109842.D

Acq: 12 Oct 2018 19:07

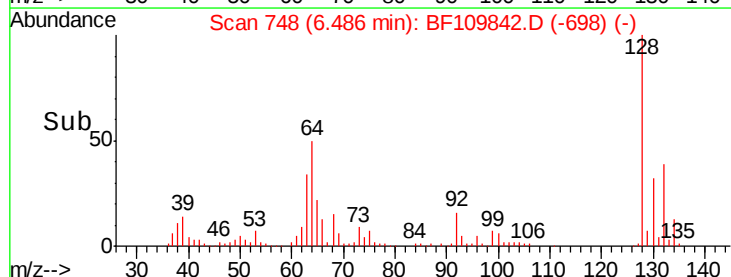
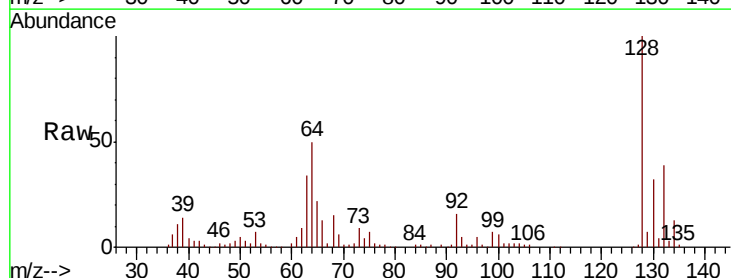
Tgt Ion: 128 Resp: 304255

Ion Ratio Lower Upper

128 100

130 32.1 13.1 53.1

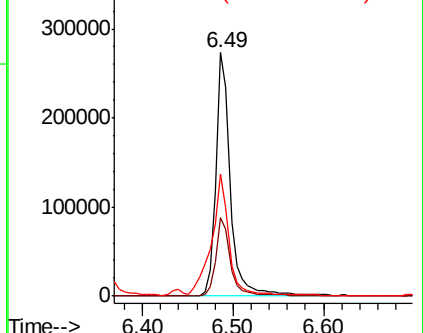
64 49.9 26.0 66.0

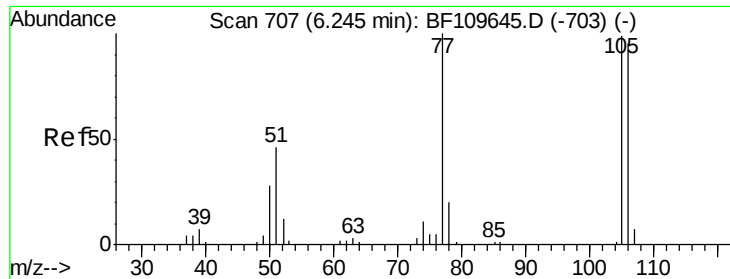


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 27.503 ng

RT: 6.25 min Scan# 707

Delta R.T. -0.00 min

Lab File: BF109842.D

Acq: 12 Oct 2018 19:07

Instrument :

BNA\_F

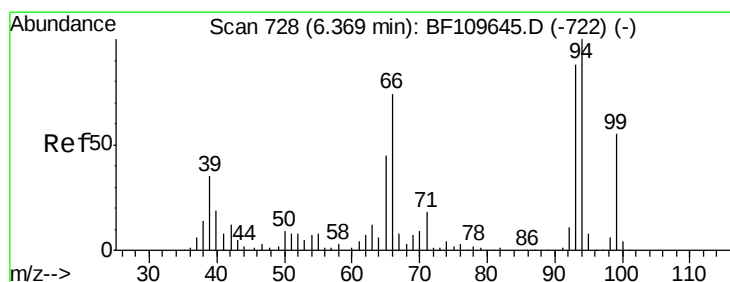
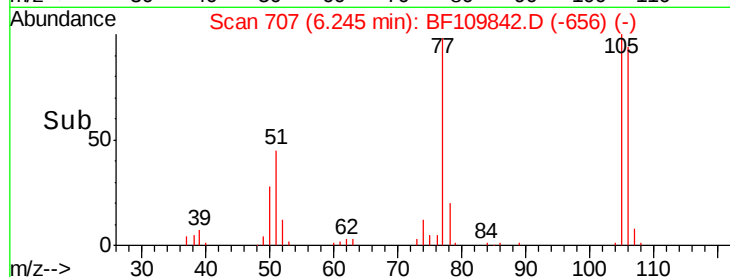
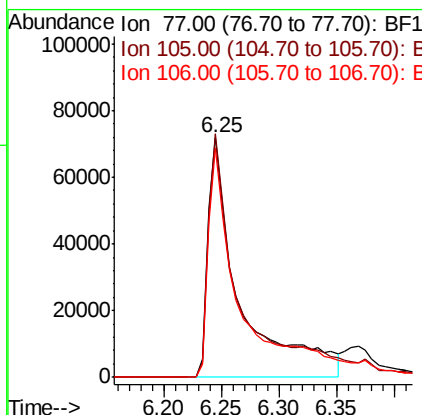
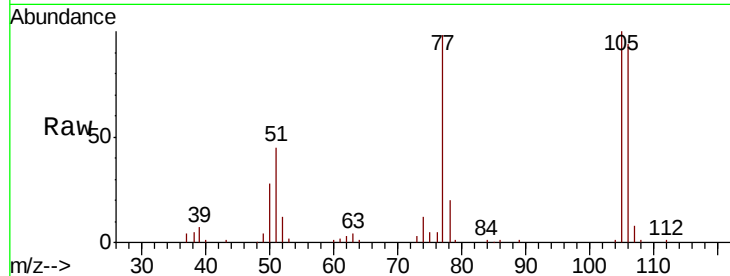
ClientSampleId :

HD-01-101118MSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 77    | Resp: | 139135 |
| Ion      | Ratio | Lower | Upper  |
| 77       | 100   |       |        |
| 105      | 101.6 | 78.6  | 118.6  |
| 106      | 95.6  | 74.8  | 114.8  |

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#10

Phenol

Concen: 39.805 ng

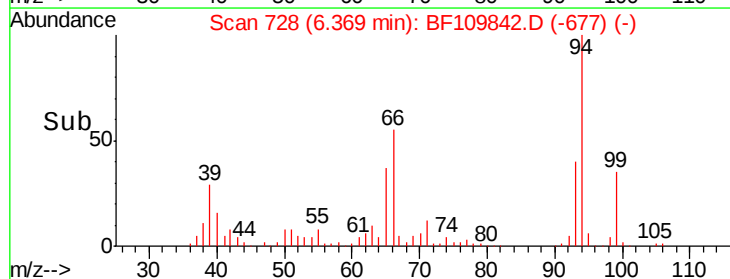
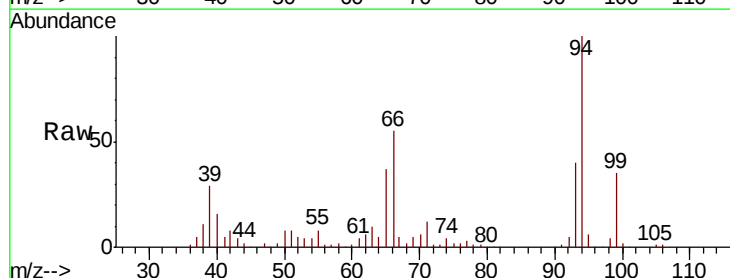
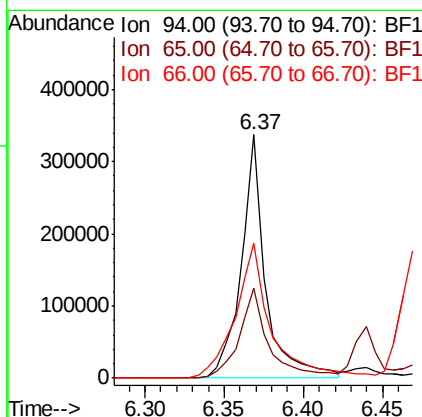
RT: 6.37 min Scan# 728

Delta R.T. -0.00 min

Lab File: BF109842.D

Acq: 12 Oct 2018 19:07

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 94    | Resp: | 358827 |
| Ion      | Ratio | Lower | Upper  |
| 94       | 100   |       |        |
| 65       | 37.2  | 25.3  | 65.3   |
| 66       | 55.2  | 54.5  | 94.5   |





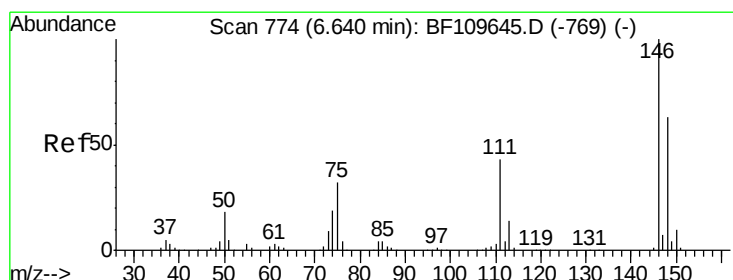
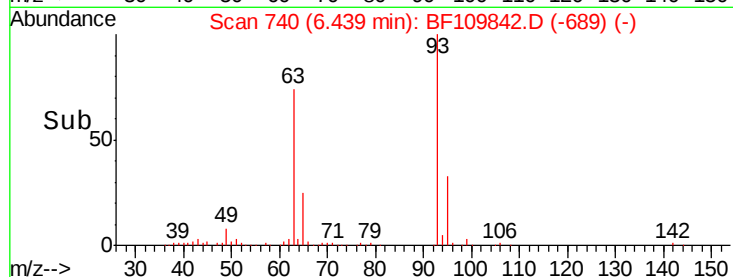
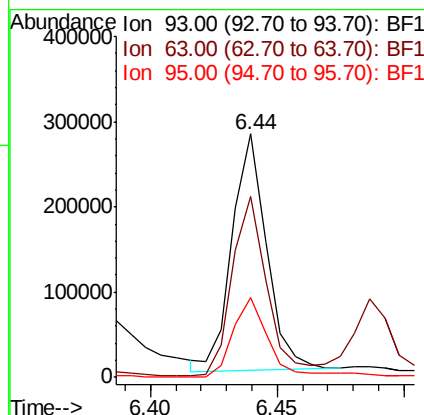
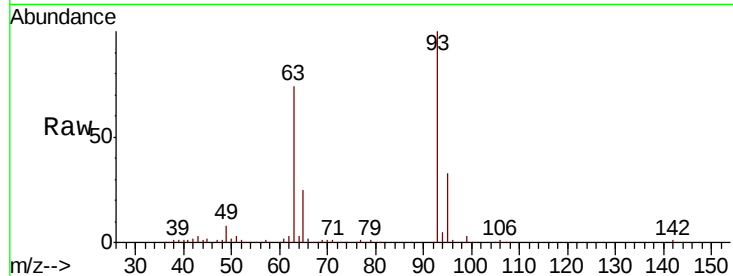
#11  
bis(2-Chloroethyl)ether  
Concen: 35.236 ng  
RT: 6.44 min Scan# 740  
Delta R.T. -0.00 min  
Lab File: BF109842.D  
Acq: 12 Oct 2018 19:07

Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-101118MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 93    | Resp: | 263338 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 63        | 74.2  | 53.4  | 93.4   |
| 95        | 32.5  | 12.1  | 52.1   |

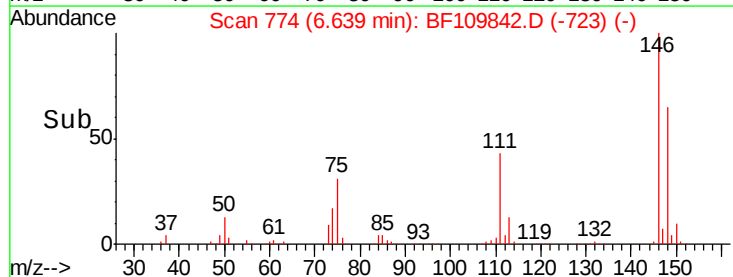
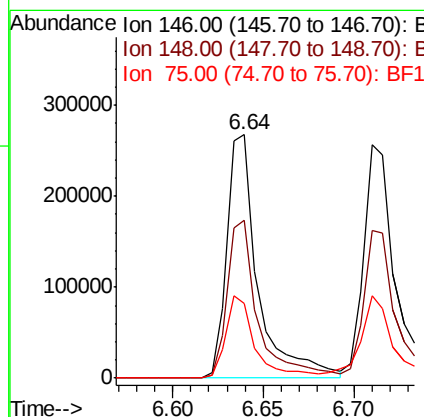
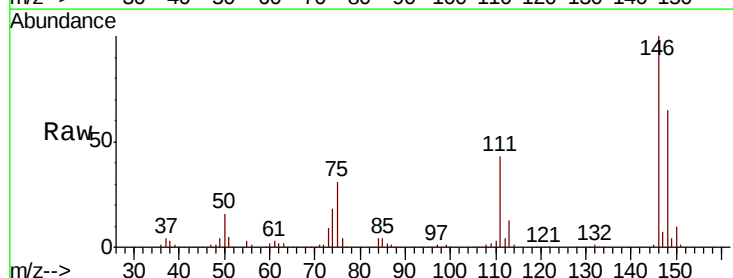
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#12  
1,3-Dichlorobenzene  
Concen: 38.907 ng  
RT: 6.64 min Scan# 774  
Delta R.T. -0.00 min  
Lab File: BF109842.D  
Acq: 12 Oct 2018 19:07

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 322071 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 64.8  | 50.4  | 75.6   |
| 75        | 30.8  | 25.8  | 38.6   |





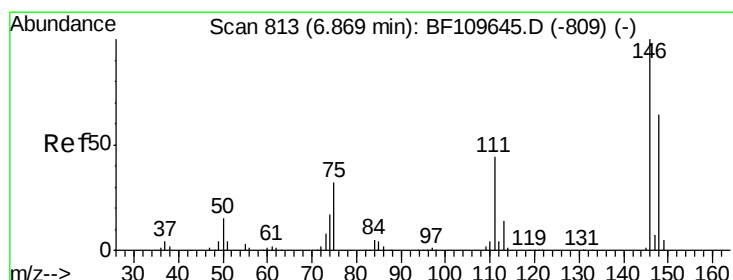
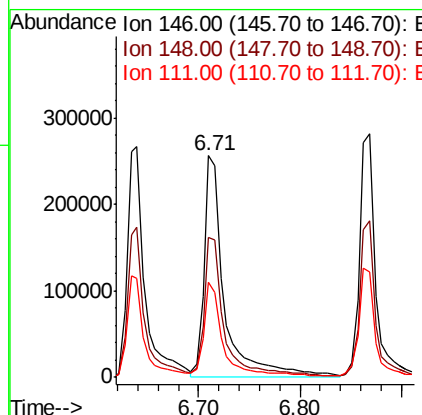
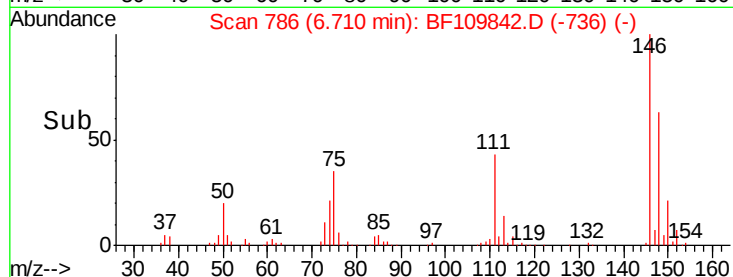
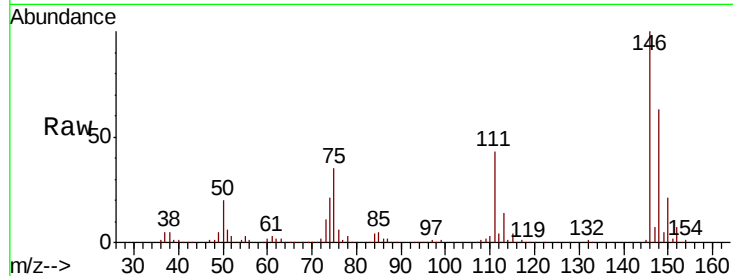
#13  
1,4-Dichlorobenzene  
Concen: 39.355 ng  
RT: 6.71 min Scan# 786  
Delta R.T. -0.01 min  
Lab File: BF109842.D  
Acq: 12 Oct 2018 19:07

Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-101118MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 63.2  | 50.3  | 75.5  |
| 111     | 42.9  | 32.7  | 49.1  |

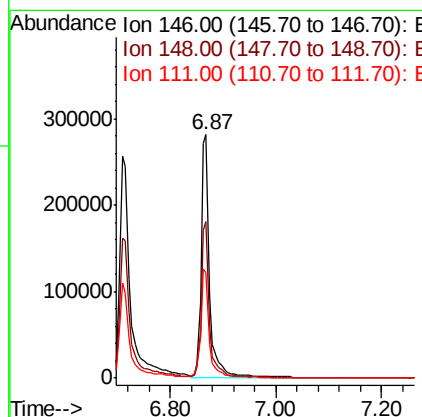
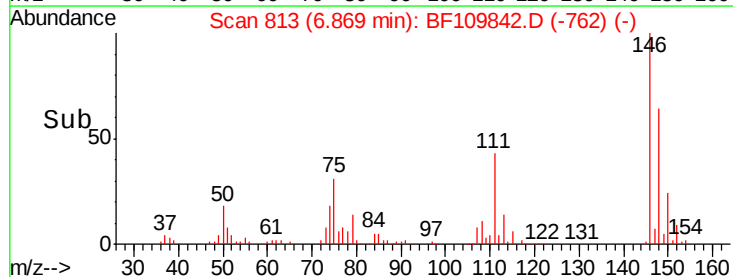
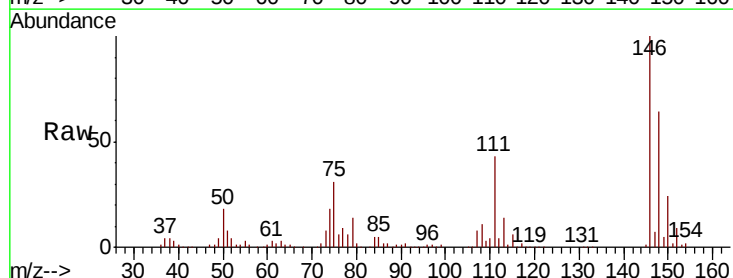
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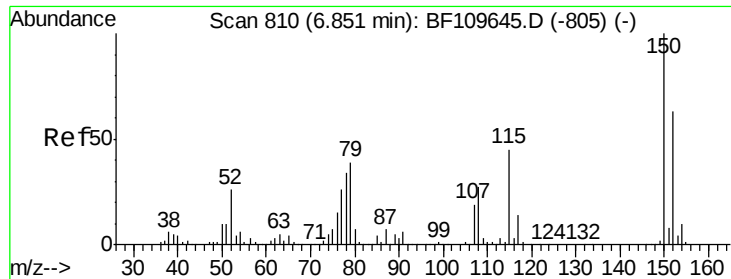
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#14  
1,2-Dichlorobenzene  
Concen: 41.003 ng  
RT: 6.87 min Scan# 813  
Delta R.T. -0.00 min  
Lab File: BF109842.D  
Acq: 12 Oct 2018 19:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 64.5  | 51.1  | 76.7  |
| 111     | 43.4  | 35.8  | 53.6  |





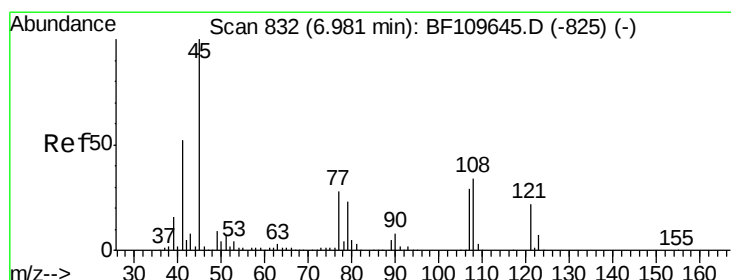
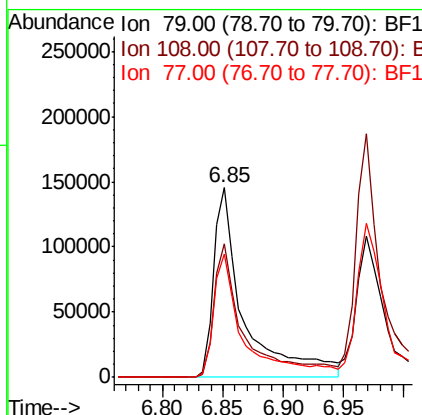
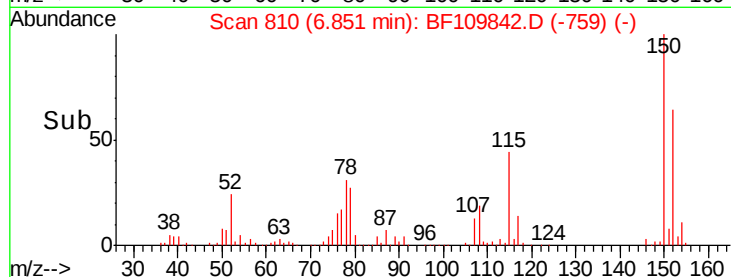
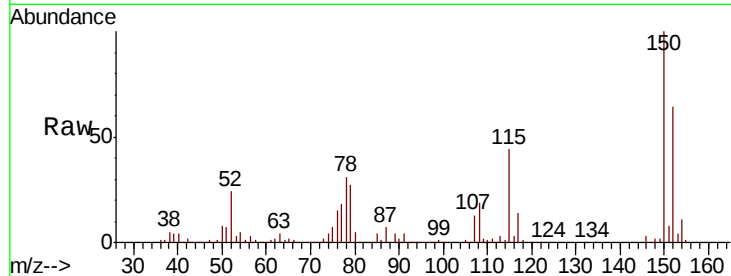
#15  
Benzyl Alcohol  
Concen: 43.224 ng  
RT: 6.85 min Scan# 810  
Delta R.T. -0.00 min  
Lab File: BF109842.D  
Acq: 12 Oct 2018 19:07

Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-101118MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 108     | 70.4  | 56.3  | 84.5  |
| 77      | 65.2  | 52.9  | 79.3  |

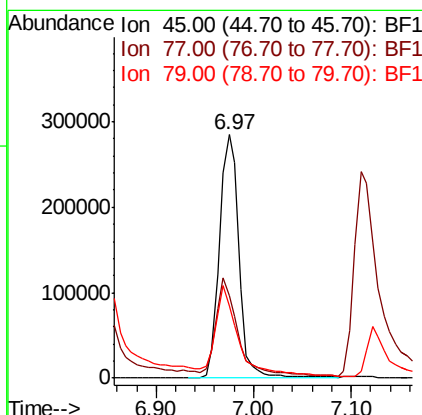
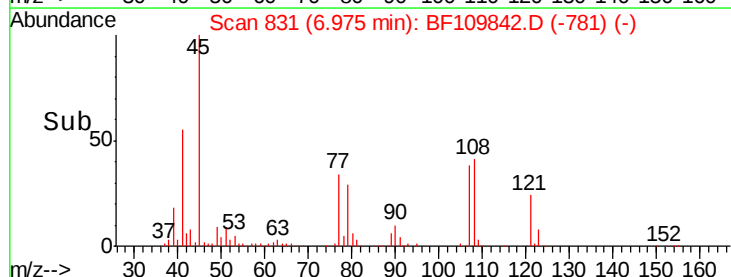
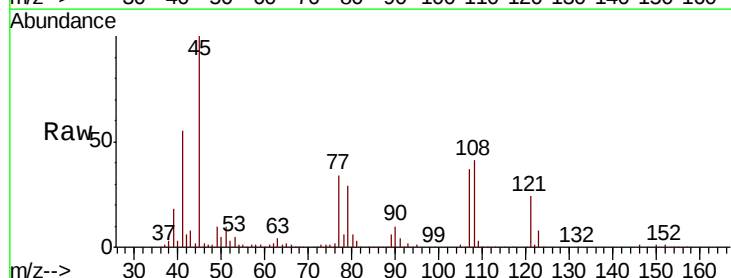
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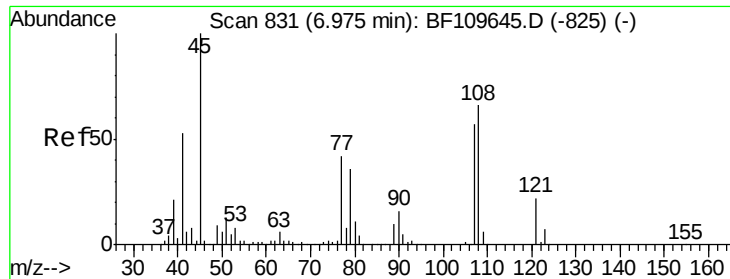
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#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 39.693 ng  
RT: 6.97 min Scan# 831  
Delta R.T. -0.01 min  
Lab File: BF109842.D  
Acq: 12 Oct 2018 19:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 77      | 33.7  | 10.0  | 50.0  |
| 79      | 29.4  | 6.1   | 46.1  |





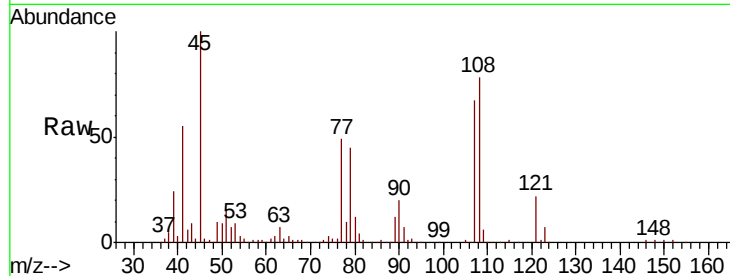
#17  
2-Methylphenol  
Concen: 42.398 ng  
RT: 6.97 min Scan# 830  
Delta R.T. -0.01 min  
Lab File: BF109842.D  
Acq: 12 Oct 2018 19:07

Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-101118MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 107     | 100   | 242661 |       |       |
| 108     | 115.7 | 92.6   | 138.8 |       |
| 77      | 73.0  | 59.4   | 89.2  |       |
| 79      | 67.4  | 54.0   | 81.0  |       |

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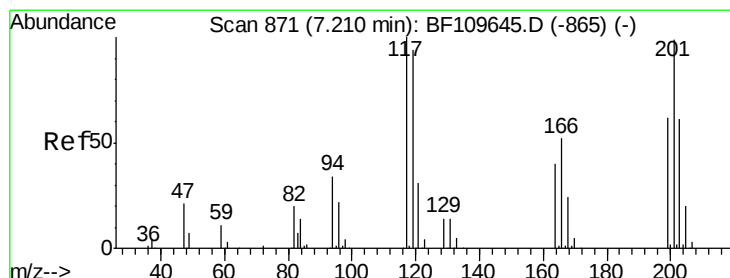
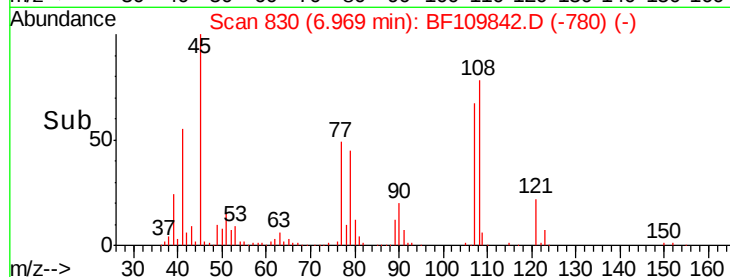
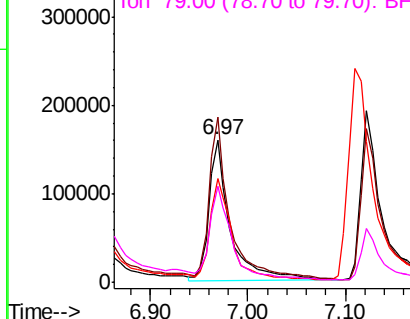
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

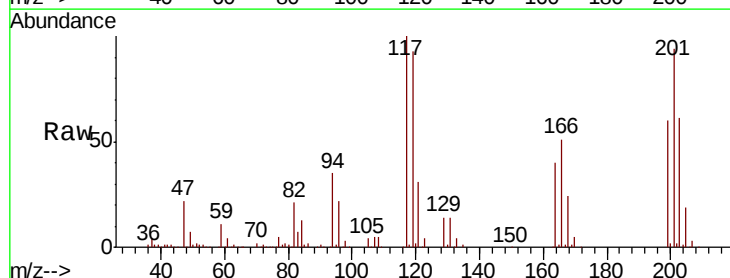
Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18  
Hexachloroethane  
Concen: 40.285 ng  
RT: 7.20 min Scan# 870  
Delta R.T. -0.01 min  
Lab File: BF109842.D  
Acq: 12 Oct 2018 19:07

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 128489 |       |       |
| 119     | 93.5  | 75.0   | 112.6 |       |
| 201     | 93.5  | 79.2   | 118.8 |       |

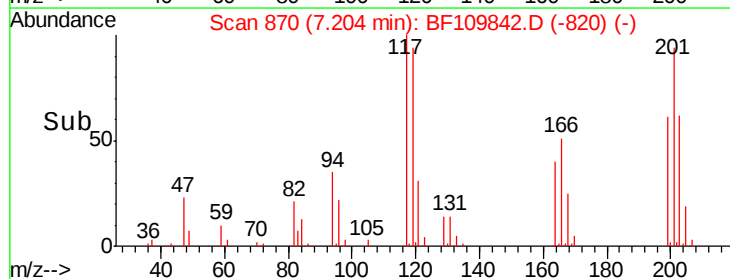
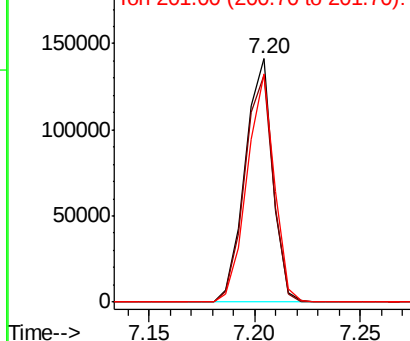


Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





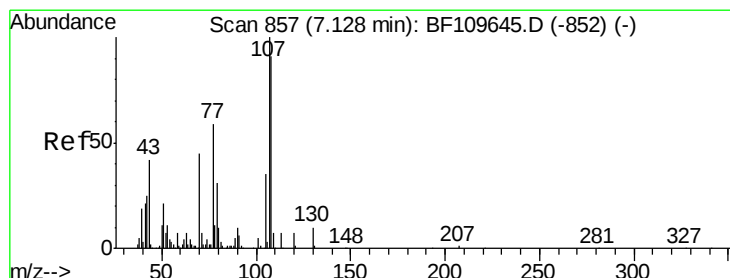
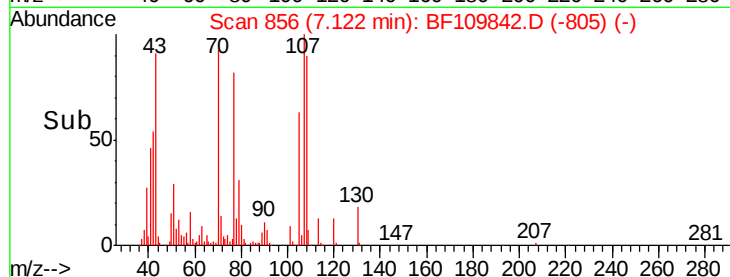
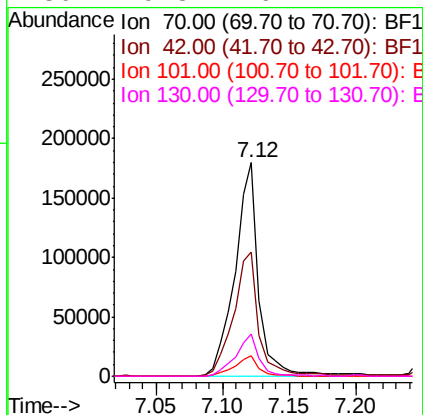
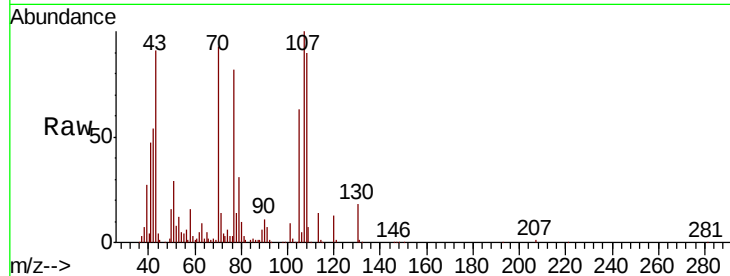
#19  
n-Nitroso-di-n-propylamine  
Concen: 40.594 ng  
RT: 7.12 min Scan# 856  
Delta R.T. -0.00 min  
Lab File: BF109842.D  
Acq: 12 Oct 2018 19:07

Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-101118MSD

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 70      | 100  |       |       |       |
| 42      | 58.2 | 47.4  | 71.2  |       |
| 101     | 9.5  | 7.3   | 10.9  |       |
| 130     | 19.8 | 16.2  | 24.2  |       |

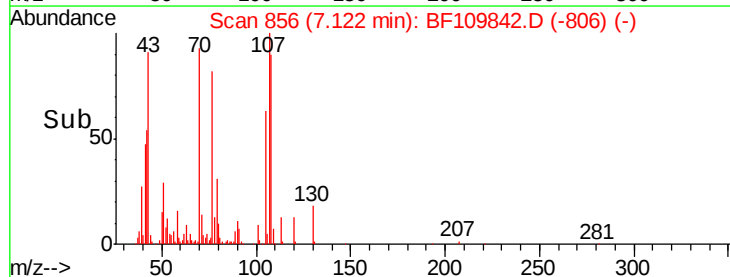
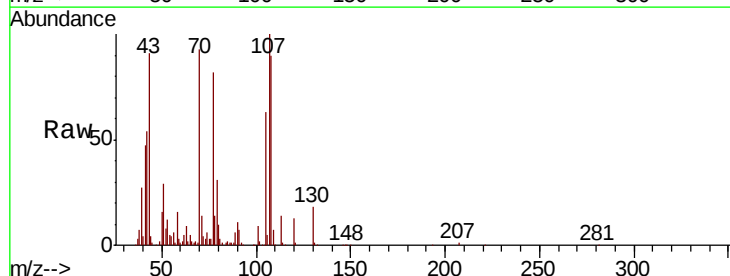
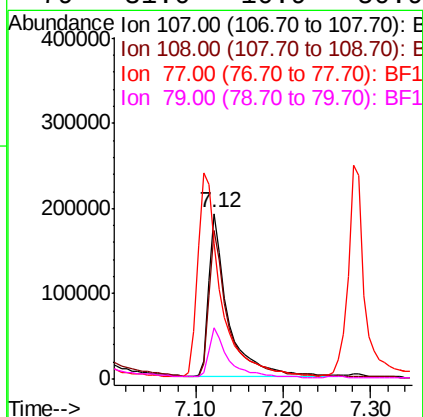
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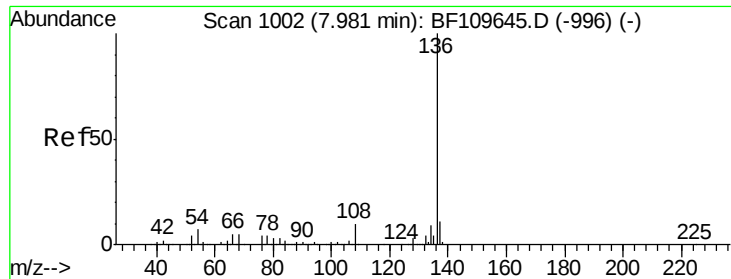
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#20  
3+4-Methylphenols  
Concen: 41.555 ng  
RT: 7.12 min Scan# 856  
Delta R.T. -0.01 min  
Lab File: BF109842.D  
Acq: 12 Oct 2018 19:07

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 107     | 100  |       |       |       |
| 108     | 89.7 | 71.4  | 111.4 |       |
| 77      | 81.7 | 47.3  | 87.3  |       |
| 79      | 31.0 | 10.9  | 50.9  |       |





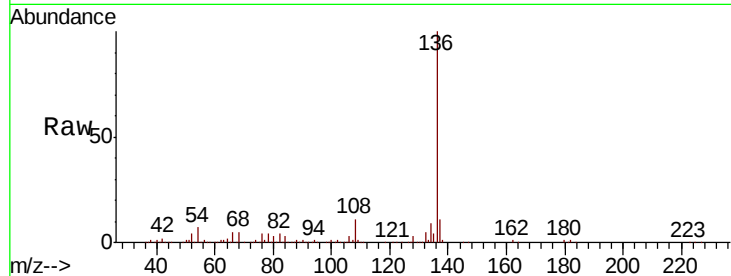
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 7.97 min Scan# 1001  
Delta R.T. -0.01 min  
Lab File: BF109842.D  
Acq: 12 Oct 2018 19:07

Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-101118MSD

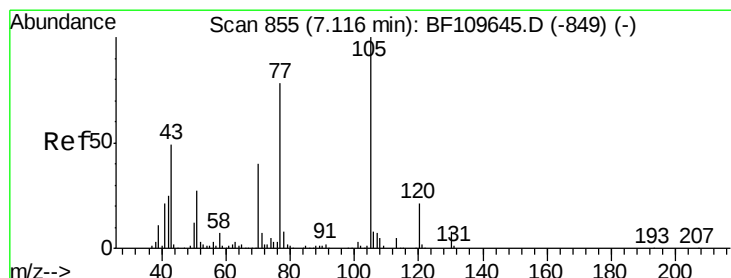
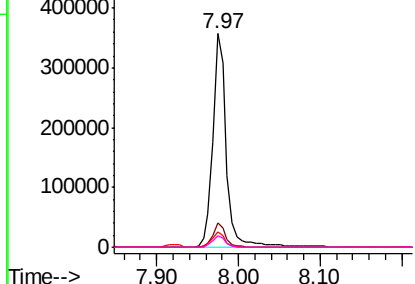
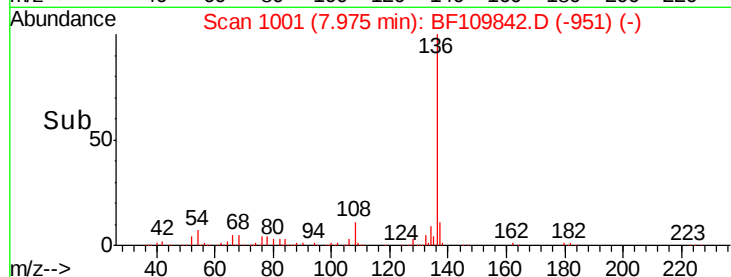
| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 136     | 100  |       | 412768 |       |       |
| 137     | 11.4 | 8.8   | 13.2   |       |       |
| 54      | 7.4  | 5.4   | 8.2    |       |       |
| 68      | 5.2  | 4.2   | 6.2    |       |       |

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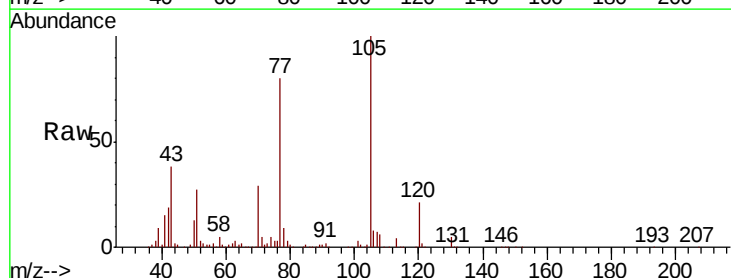


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

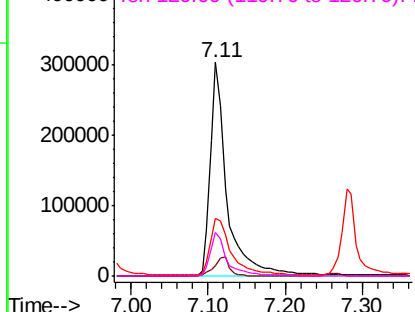
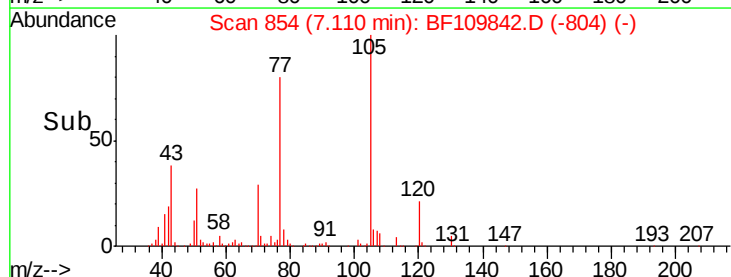


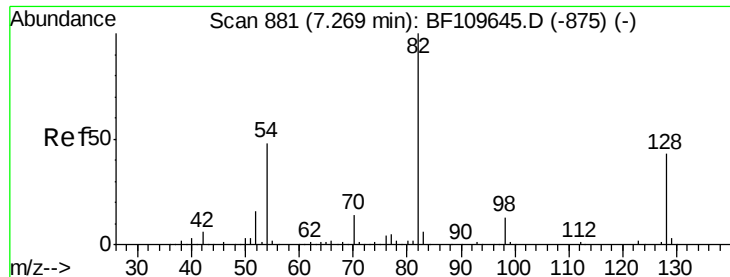
#22  
Acetophenone  
Concen: 45.440 ng  
RT: 7.11 min Scan# 854  
Delta R.T. -0.01 min  
Lab File: BF109842.D  
Acq: 12 Oct 2018 19:07

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 105     | 100  |       | 453563 |       |       |
| 71      | 4.8  | 5.2   | 7.8#   |       |       |
| 51      | 27.2 | 21.8  | 32.8   |       |       |
| 120     | 20.6 | 17.0  | 25.4   |       |       |



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





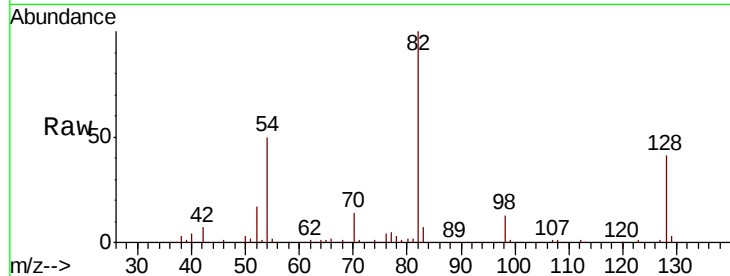
#23  
Nitrobenzene-d5  
Concen: 98.661 ng  
RT: 7.26 min Scan# 880  
Delta R.T. -0.01 min  
Lab File: BF109842.D  
Acq: 12 Oct 2018 19:07

Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-101118MSD

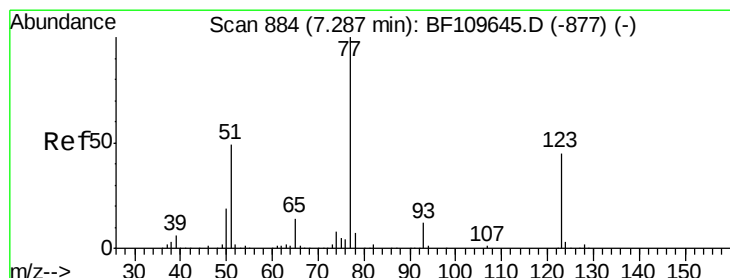
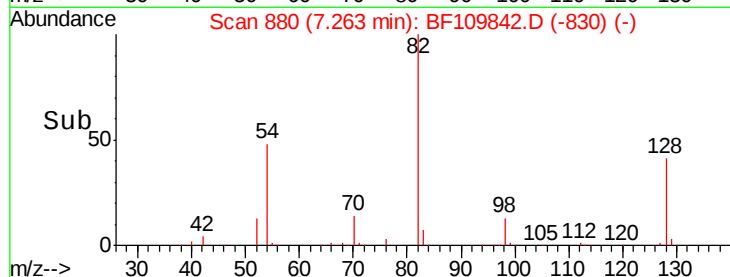
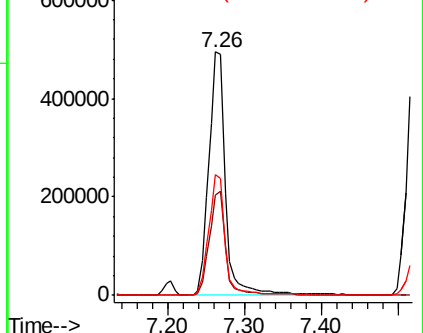
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 41.1  | 34.2  | 51.2  |
| 54      | 49.5  | 38.6  | 58.0  |

Manual Integrations  
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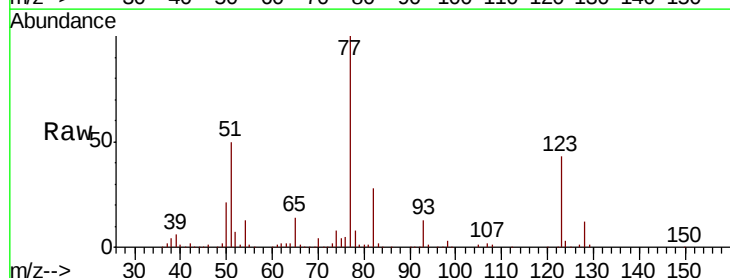


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): BF1  
Ion 54.00 (53.70 to 54.70): BF1

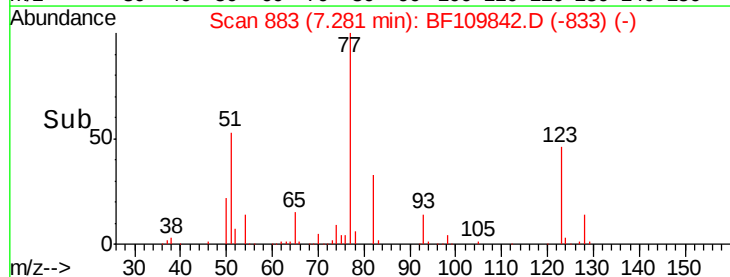
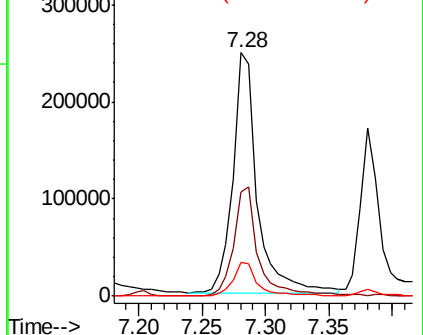


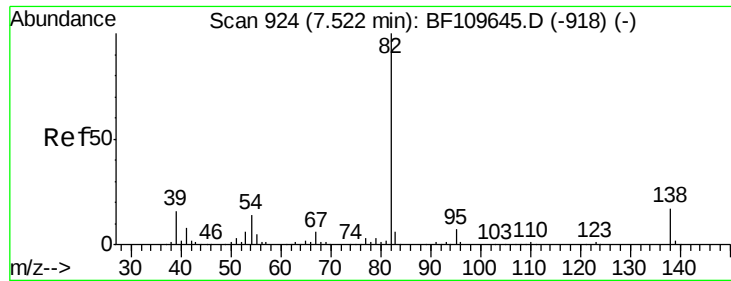
#24  
Nitrobenzene  
Concen: 42.603 ng  
RT: 7.28 min Scan# 883  
Delta R.T. -0.01 min  
Lab File: BF109842.D  
Acq: 12 Oct 2018 19:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 42.6  | 35.7  | 53.5  |
| 65      | 13.9  | 10.7  | 16.1  |



Abundance Ion 77.00 (76.70 to 77.70): BF1  
Ion 123.00 (122.70 to 123.70): BF1  
Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 49.434 ng

RT: 7.52 min Scan# 924

Delta R.T. -0.00 min

Lab File: BF109842.D

Acq: 12 Oct 2018 19:07

Instrument :

BNA\_F

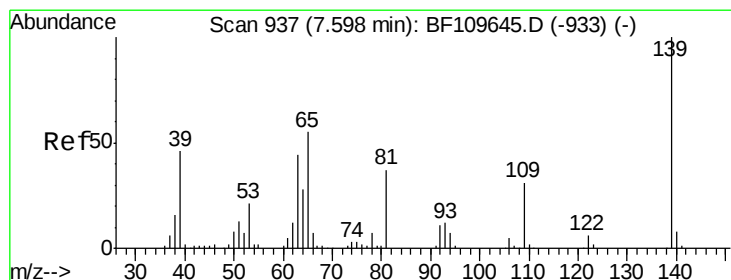
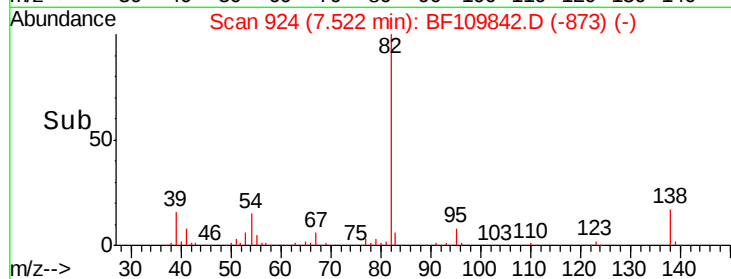
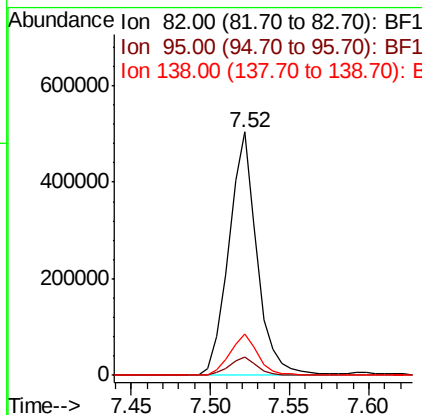
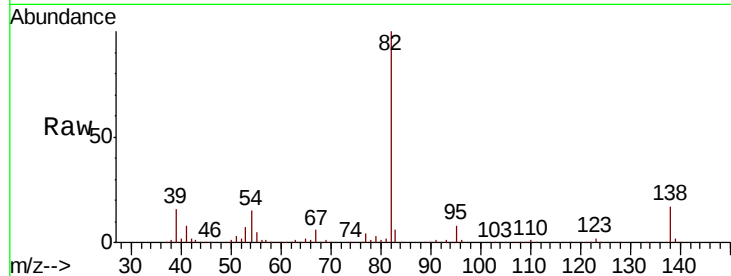
ClientSampleId :

HD-01-101118MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 82    | Resp: | 614676 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 95        | 7.6   | 5.7   | 8.5    |
| 138       | 17.0  | 13.2  | 19.8   |

Manual Integrations  
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#26

2-Nitrophenol

Concen: 43.797 ng

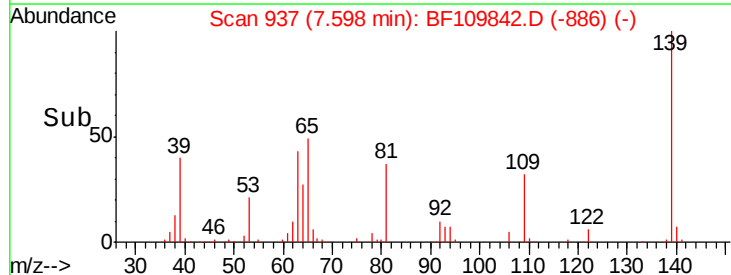
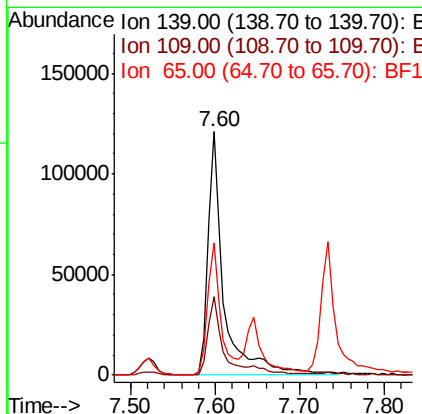
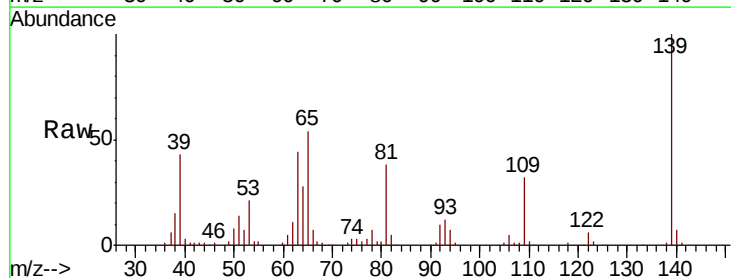
RT: 7.60 min Scan# 937

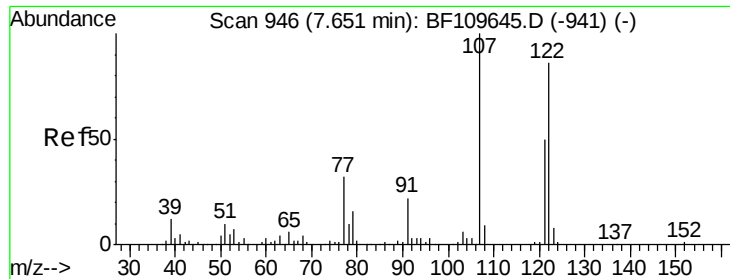
Delta R.T. -0.00 min

Lab File: BF109842.D

Acq: 12 Oct 2018 19:07

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 139   | Resp: | 159620 |
| Ion Ratio | Lower | Upper |        |
| 139       | 100   |       |        |
| 109       | 32.1  | 25.0  | 37.6   |
| 65        | 54.3  | 44.0  | 66.0   |





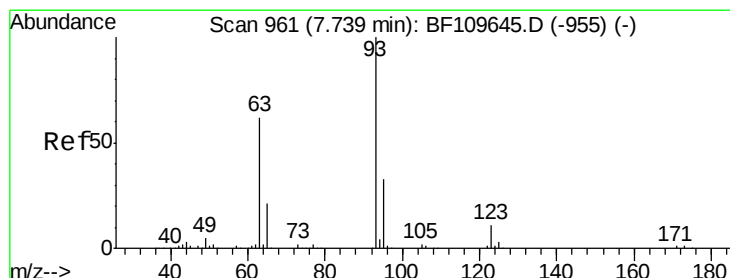
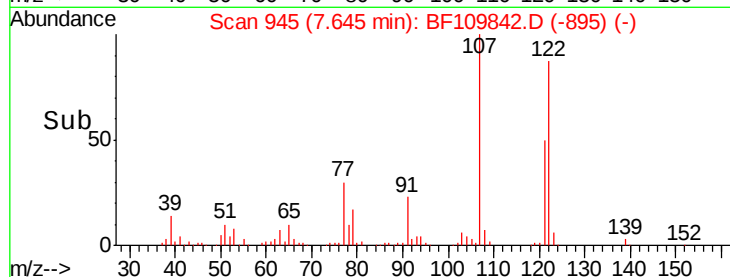
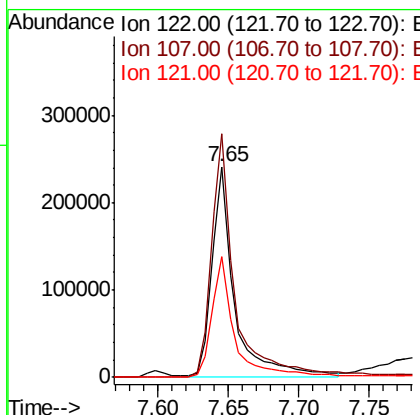
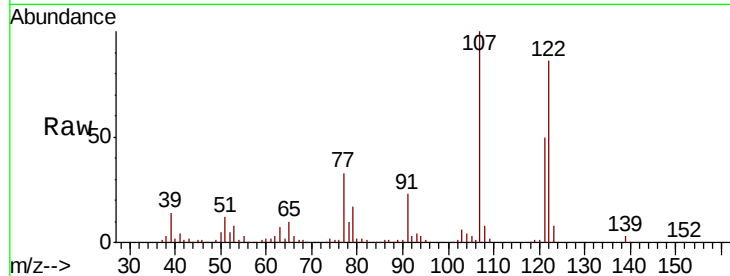
#27  
 2,4-Dimethylphenol  
 Concen: 50.605 ng  
 RT: 7.65 min Scan# 945  
 Delta R.T. -0.01 min  
 Lab File: BF109842.D  
 Acq: 12 Oct 2018 19:07

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HD-01-101118MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 122     | 100   | 266334 |       |       |
| 107     | 115.8 | 92.5   | 138.7 |       |
| 121     | 57.4  | 45.8   | 68.8  |       |

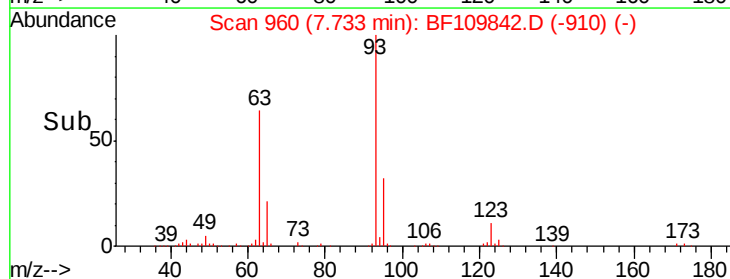
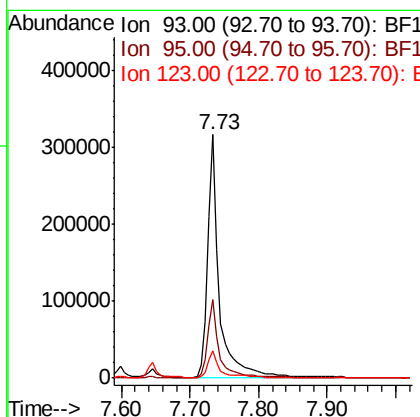
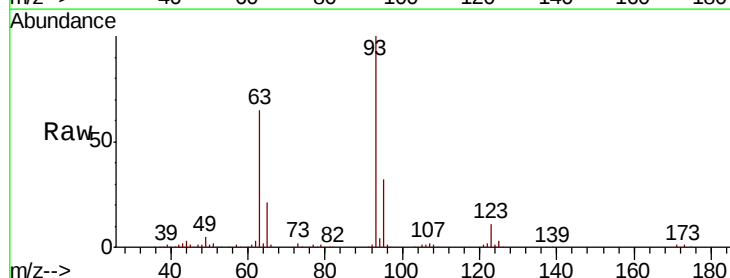
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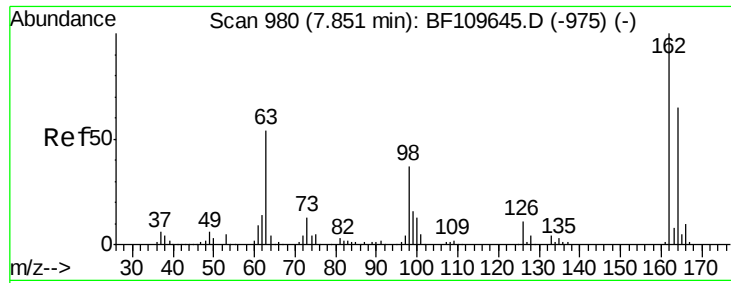
Sohil  
 10/15/2018 10:28:29 AM



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 45.488 ng  
 RT: 7.73 min Scan# 960  
 Delta R.T. -0.01 min  
 Lab File: BF109842.D  
 Acq: 12 Oct 2018 19:07

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 93      | 100   | 382582 |       |       |
| 95      | 32.3  | 26.4   | 39.6  |       |
| 123     | 11.1  | 9.0    | 13.6  |       |





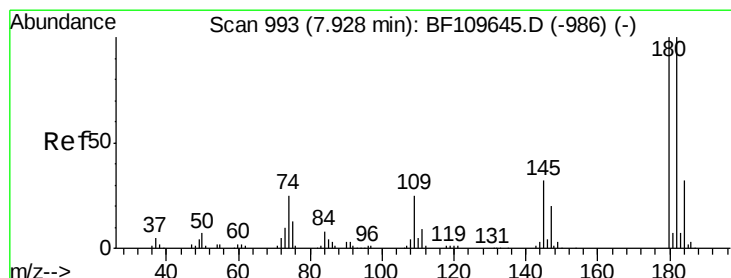
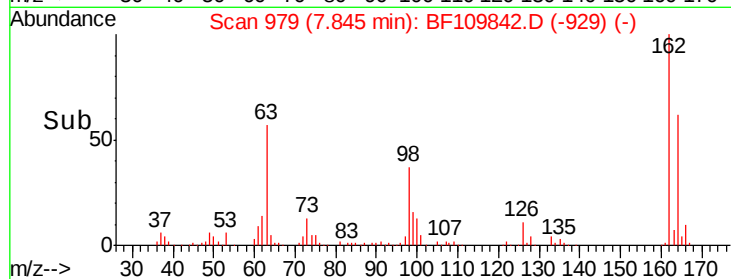
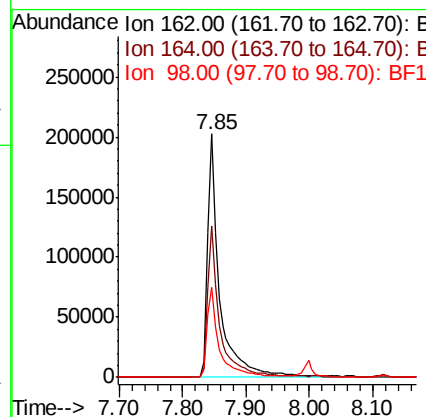
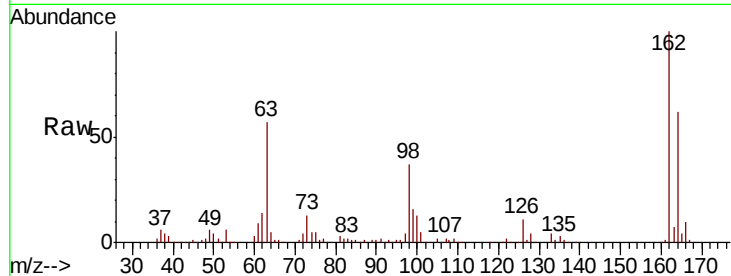
#29  
 2,4-Dichlorophenol  
 Concen: 45.710 ng  
 RT: 7.85 min Scan# 979  
 Delta R.T. -0.01 min  
 Lab File: BF109842.D  
 Acq: 12 Oct 2018 19:07

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HD-01-101118MSD

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 162     | 100  |       | 269839 |       |       |
| 164     | 62.3 | 44.6  | 84.6   |       |       |
| 98      | 36.9 | 17.4  | 57.4   |       |       |

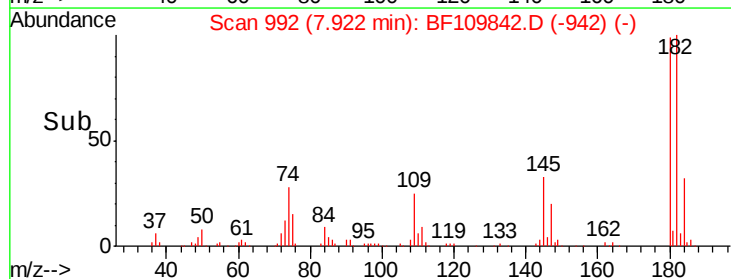
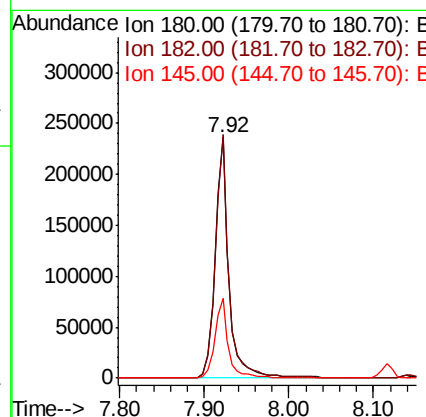
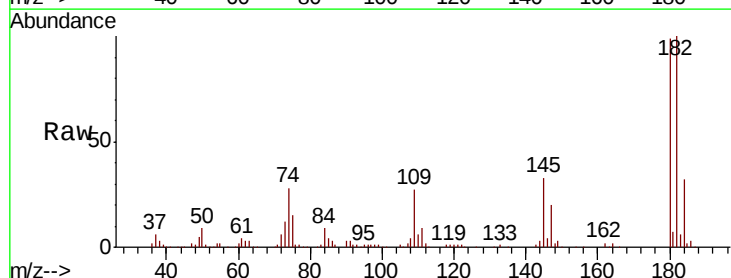
Manual Integrations  
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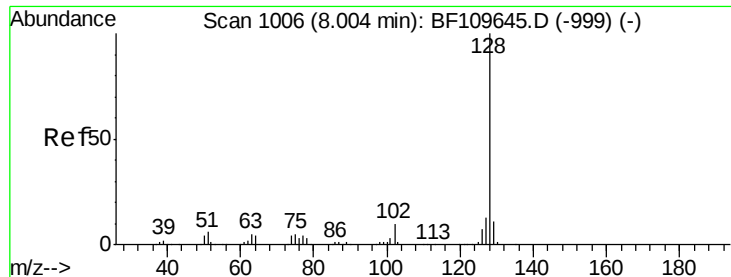
Sohil  
 10/15/2018 10:28:29 AM



#30  
 1,2,4-Trichlorobenzene  
 Concen: 42.311 ng  
 RT: 7.92 min Scan# 992  
 Delta R.T. -0.01 min  
 Lab File: BF109842.D  
 Acq: 12 Oct 2018 19:07

| Tgt Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 180     | 100   |       | 276505 |       |       |
| 182     | 101.1 | 80.3  | 120.5  |       |       |
| 145     | 32.9  | 25.4  | 38.0   |       |       |





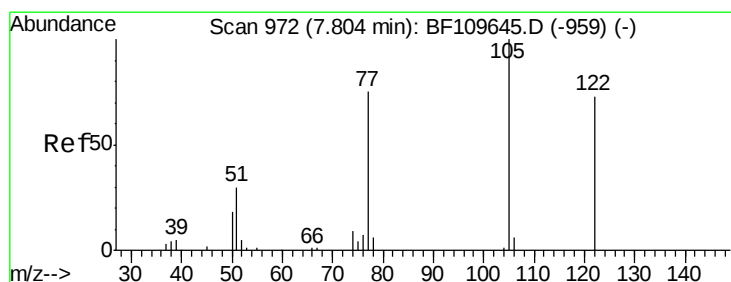
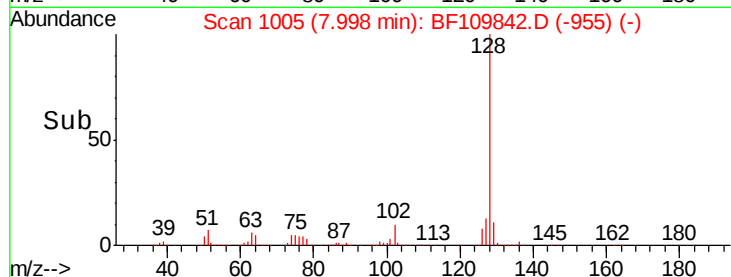
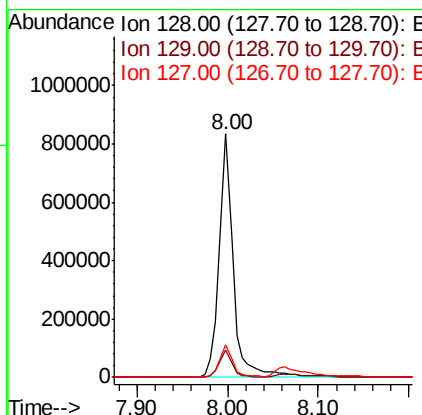
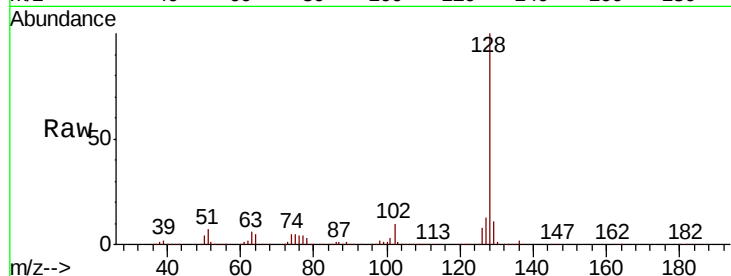
#31  
Naphthalene  
Concen: 47.197 ng  
RT: 8.00 min Scan# 1005  
Delta R.T. -0.01 min  
Lab File: BF109842.D  
Acq: 12 Oct 2018 19:07

Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-101118MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 11.2  | 8.8   | 13.2  |
| 127     | 13.4  | 10.8  | 16.2  |

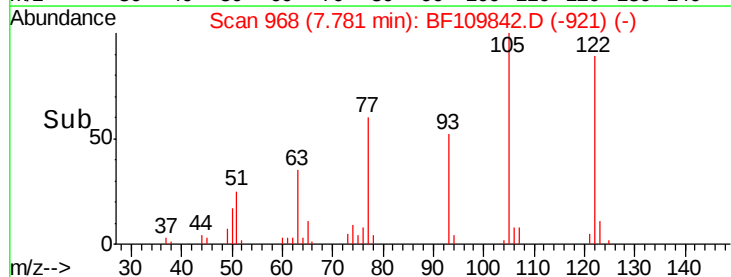
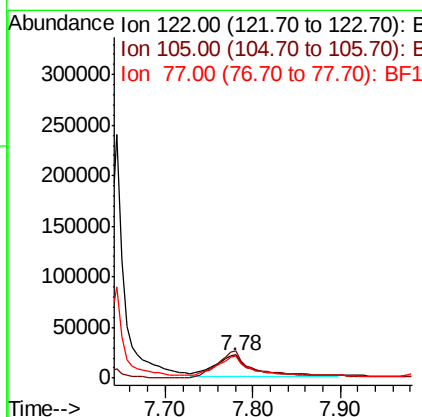
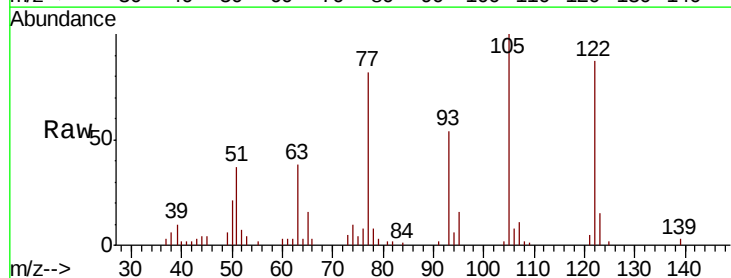
Manual Integrations  
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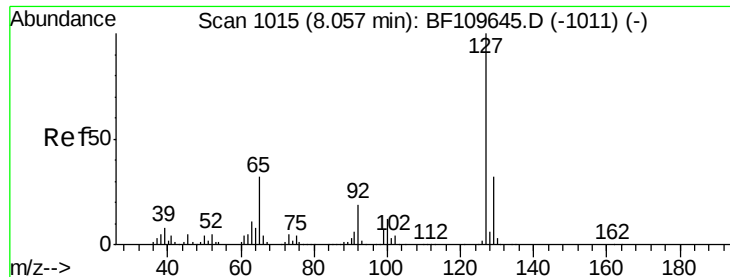
Sohil  
10/15/2018 10:28:29 AM



#32  
Benzoic acid  
Concen: 17.742 ng m  
RT: 7.78 min Scan# 968  
Delta R.T. -0.02 min  
Lab File: BF109842.D  
Acq: 12 Oct 2018 19:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 105     | 115.3 | 109.0 | 149.0 |
| 77      | 95.0  | 79.0  | 119.0 |





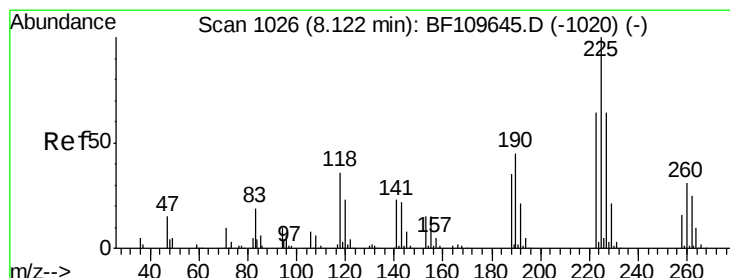
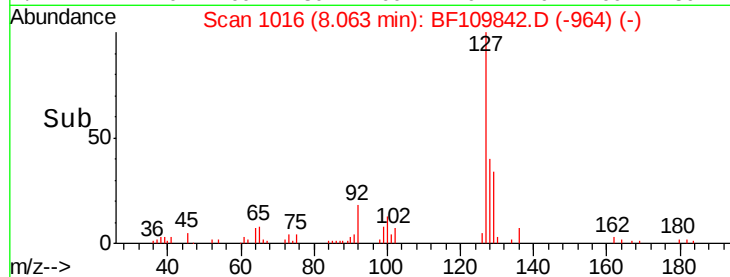
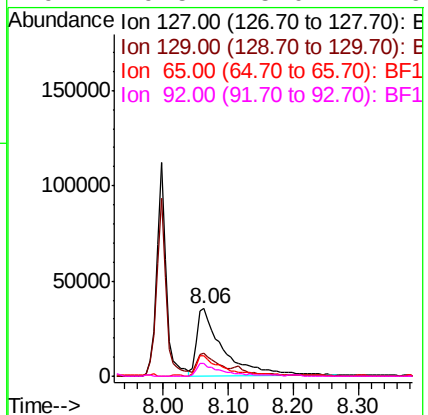
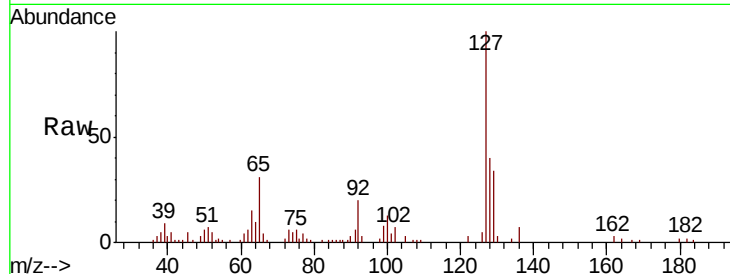
#33  
4-Chloroaniline  
Concen: 11.744 ng  
RT: 8.06 min Scan# 1016  
Delta R.T. 0.01 min  
Lab File: BF109842.D  
Acq: 12 Oct 2018 19:07

Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-101118MSD

| Tot Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 127     | 100  |       | 98724 |       |       |
| 129     | 34.0 | 26.0  | 39.0  |       |       |
| 65      | 30.9 | 25.1  | 37.7  |       |       |
| 92      | 19.5 | 15.0  | 22.6  |       |       |

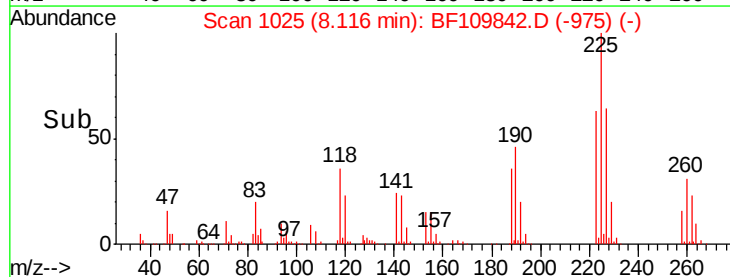
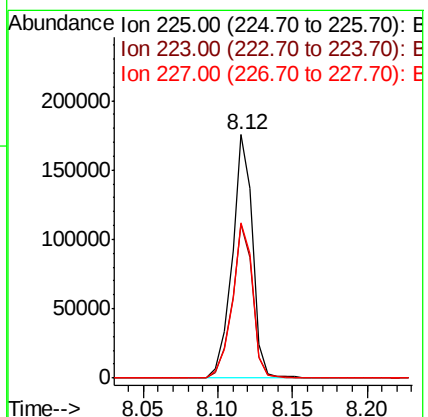
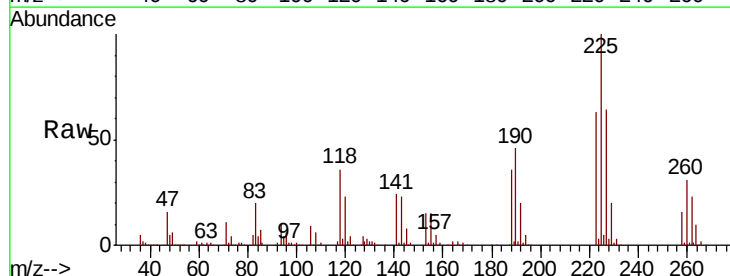
Manual Integrations  
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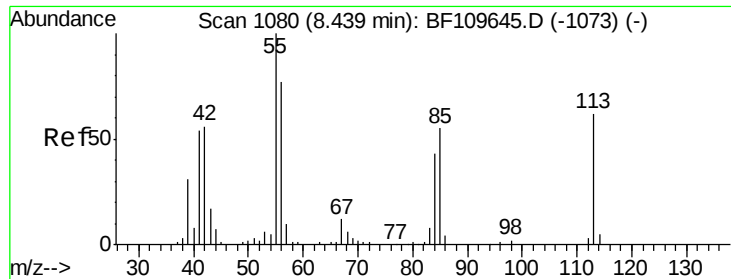
Sohil  
10/15/2018 10:28:29 AM



#34  
Hexachlorobutadiene  
Concen: 41.553 ng  
RT: 8.12 min Scan# 1025  
Delta R.T. -0.01 min  
Lab File: BF109842.D  
Acq: 12 Oct 2018 19:07

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 225     | 100  |       | 168840 |       |       |
| 223     | 63.4 | 51.4  | 77.2   |       |       |
| 227     | 63.9 | 51.0  | 76.6   |       |       |





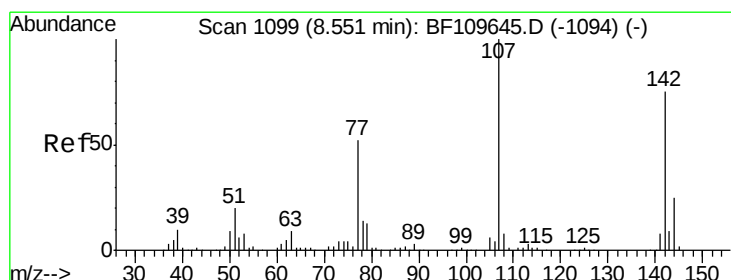
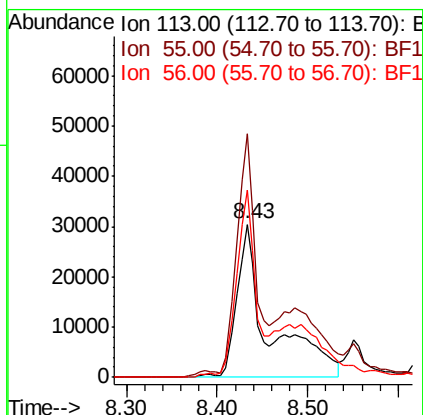
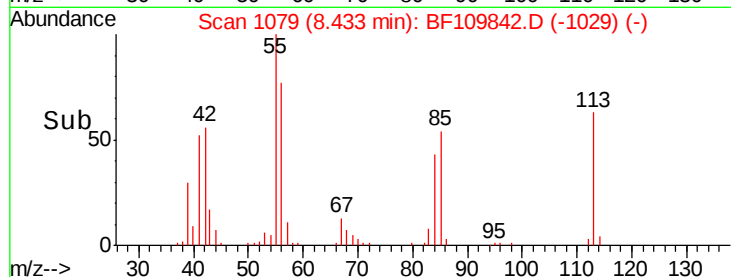
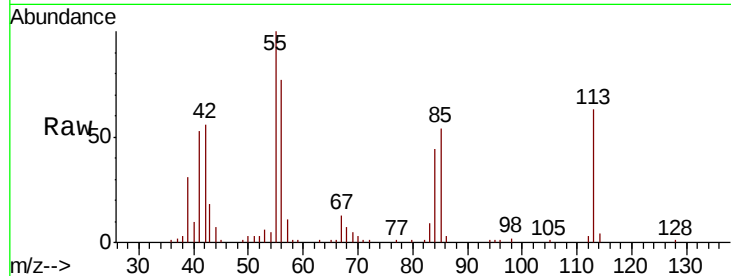
#35  
Caprolactam  
Concen: 42.905 ng/ml  
RT: 8.43 min Scan# 1079  
Delta R.T. -0.01 min  
Lab File: BF109842.D  
Acq: 12 Oct 2018 19:07

Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-101118MSD

| Tot Ion | Ion   | Ratio | Lower | Upper |
|---------|-------|-------|-------|-------|
| 113     | 100   |       |       |       |
| 55      | 159.4 | 142.8 | 182.8 |       |
| 56      | 122.2 | 105.0 | 145.0 |       |

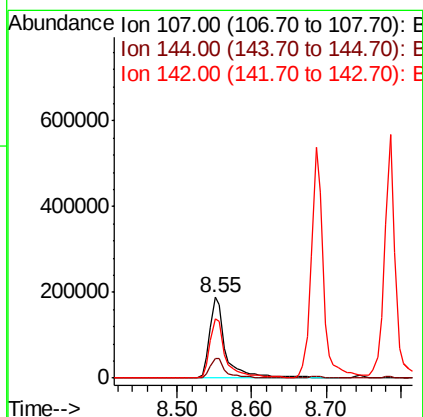
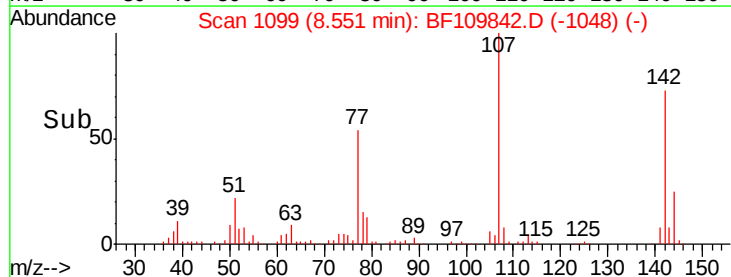
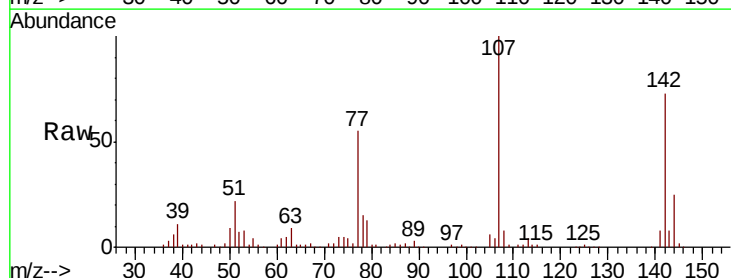
Manual Integrations  
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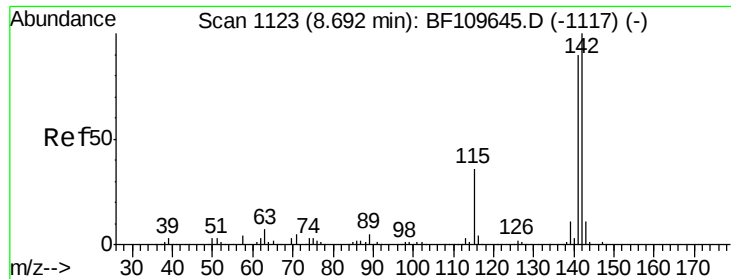
Sohil  
10/15/2018 10:28:29 AM



#36  
4-Chloro-3-methylphenol  
Concen: 45.608 ng/ml  
RT: 8.55 min Scan# 1099  
Delta R.T. -0.00 min  
Lab File: BF109842.D  
Acq: 12 Oct 2018 19:07

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 107     | 100  |       |       |       |
| 144     | 24.9 | 20.0  | 30.0  |       |
| 142     | 72.9 | 59.7  | 89.5  |       |





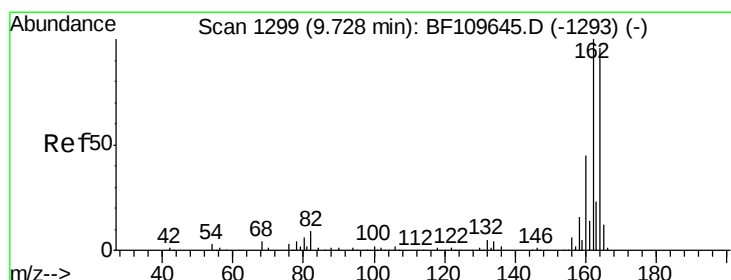
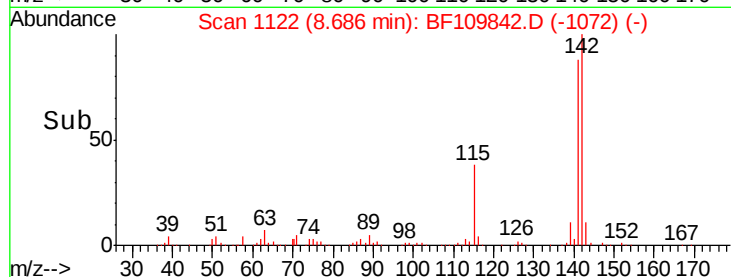
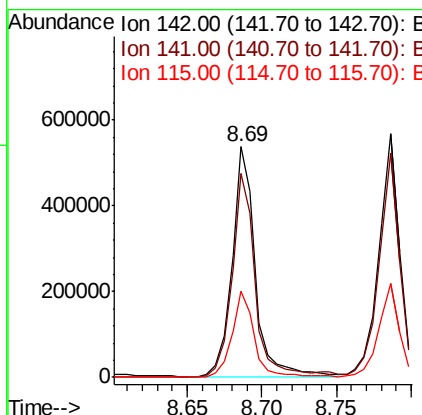
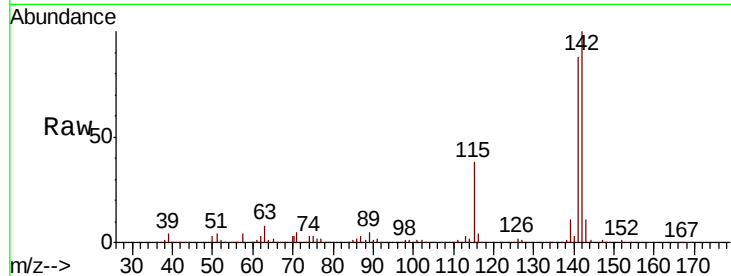
#37  
2-Methylnaphthalene  
Concen: 47.370 ng  
RT: 8.69 min Scan# 1122  
Delta R.T. -0.01 min  
Lab File: BF109842.D  
Acq: 12 Oct 2018 19:07

Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-101118MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 88.4  | 71.4  | 107.2 |
| 115     | 37.6  | 28.7  | 43.1  |

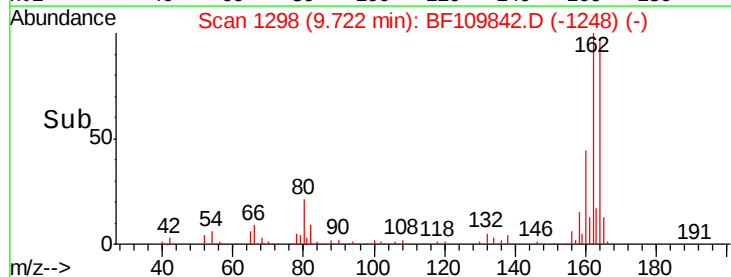
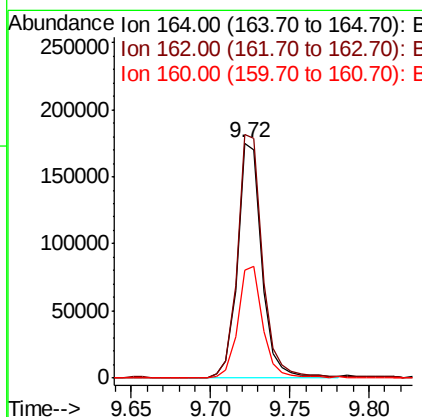
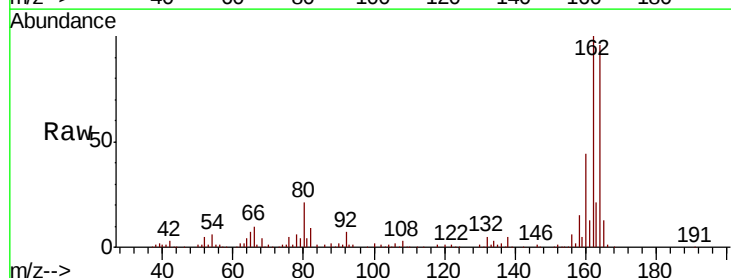
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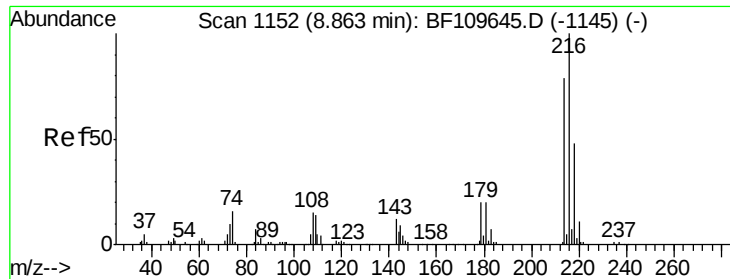
Sohil  
10/15/2018 10:28:29 AM



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.72 min Scan# 1298  
Delta R.T. -0.01 min  
Lab File: BF109842.D  
Acq: 12 Oct 2018 19:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 103.8 | 83.0  | 124.6 |
| 160     | 46.0  | 37.0  | 55.6  |





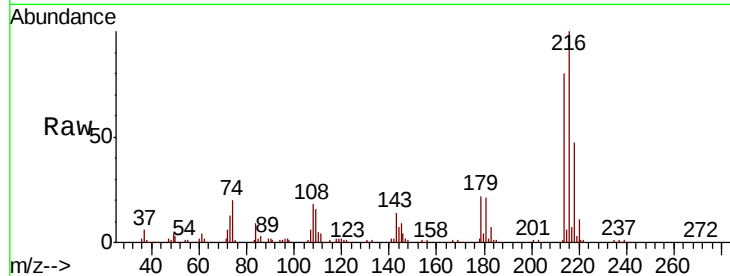
#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 43.472 ng  
 RT: 8.86 min Scan# 1151  
 Delta R.T. -0.01 min  
 Lab File: BF109842.D  
 Acq: 12 Oct 2018 19:07

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HD-01-101118MSD

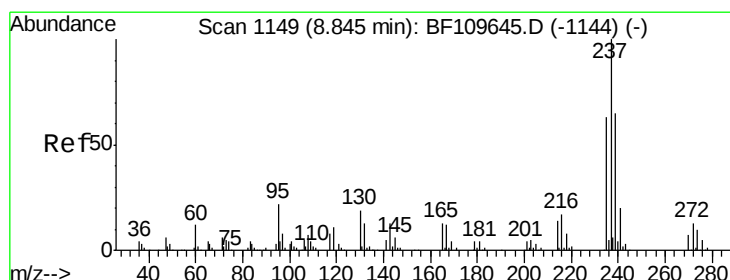
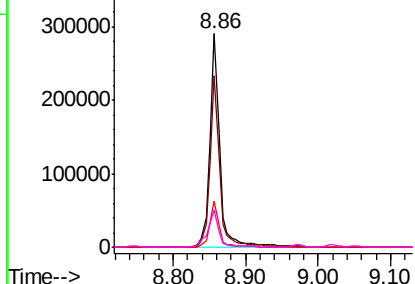
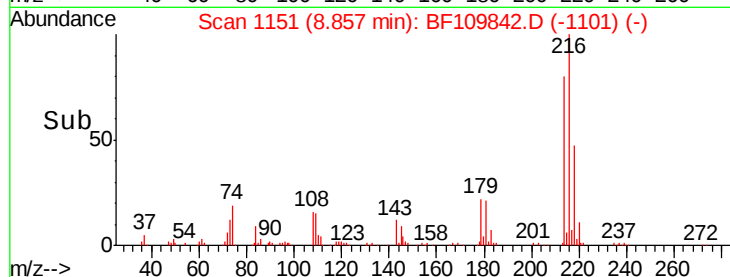
| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 216     | 100  |       | 278113 |       |       |
| 214     | 79.4 | 63.8  | 95.6   |       |       |
| 179     | 20.8 | 16.6  | 25.0   |       |       |
| 108     | 20.2 | 15.1  | 22.7   |       |       |

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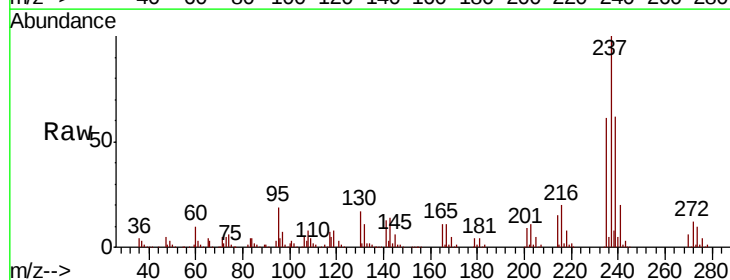


Abundance Ion 216.00 (215.70 to 216.70): E  
 Ion 214.00 (213.70 to 214.70): E  
 Ion 179.00 (178.70 to 179.70): E  
 Ion 108.00 (107.70 to 108.70): E

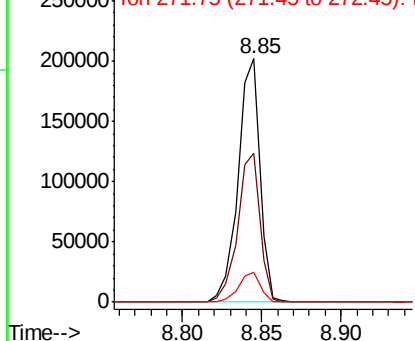
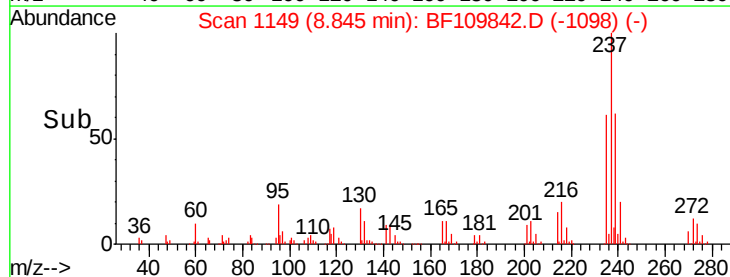


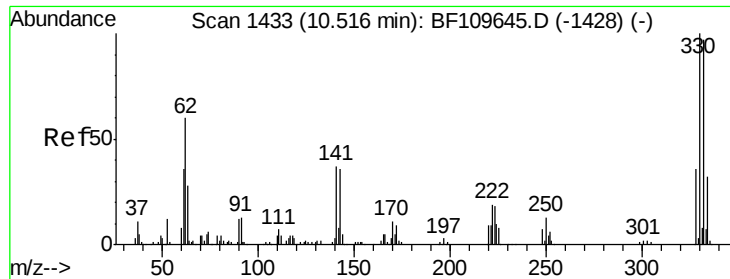
#40  
 Hexachlorocyclopentadiene  
 Concen: 70.061 ng  
 RT: 8.85 min Scan# 1149  
 Delta R.T. 0.00 min  
 Lab File: BF109842.D  
 Acq: 12 Oct 2018 19:07

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 237     | 100  |       | 193506 |       |       |
| 235     | 61.4 | 43.1  | 83.1   |       |       |
| 272     | 12.4 | 0.0   | 32.6   |       |       |



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





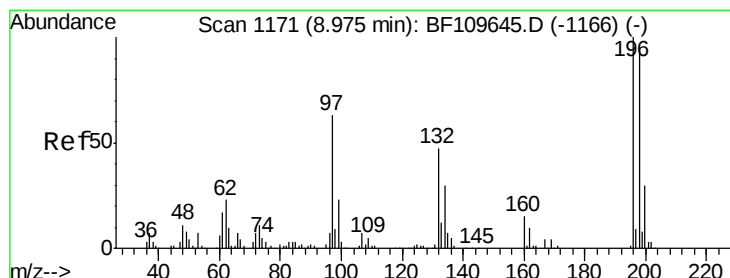
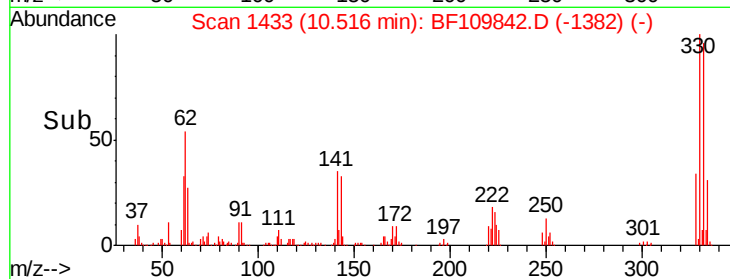
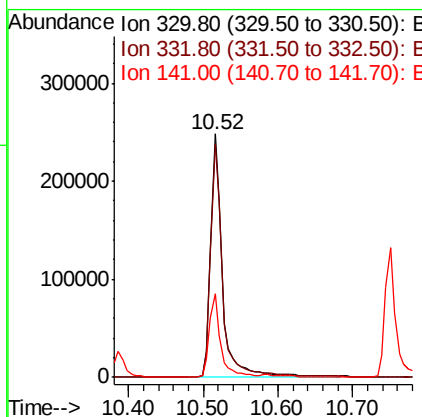
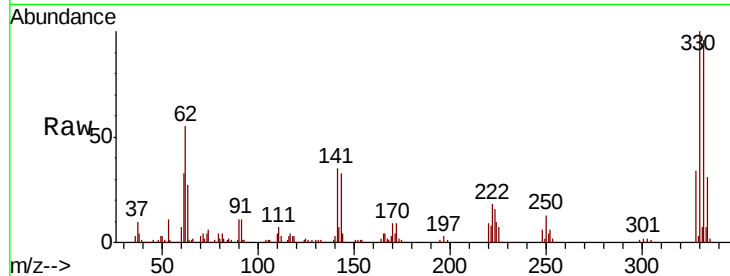
#41  
 2,4,6-Tribromophenol  
 Concen: 135.646 ng  
 RT: 10.52 min Scan# 1433  
 Delta R.T. -0.00 min  
 Lab File: BF109842.D  
 Acq: 12 Oct 2018 19:07

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HD-01-101118MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.9  | 77.1  | 115.7 |
| 141     | 33.2  | 27.0  | 40.4  |

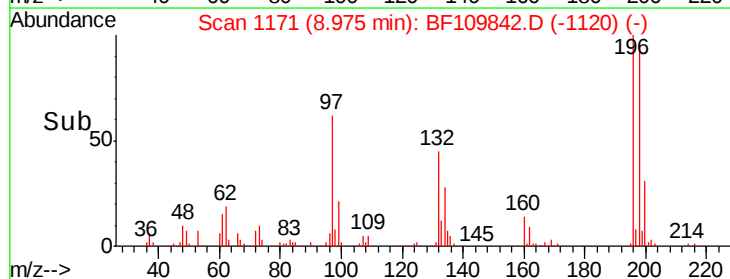
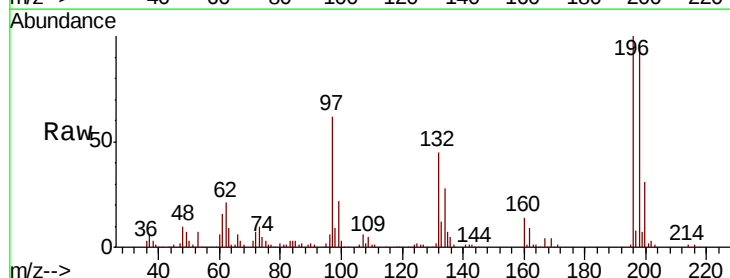
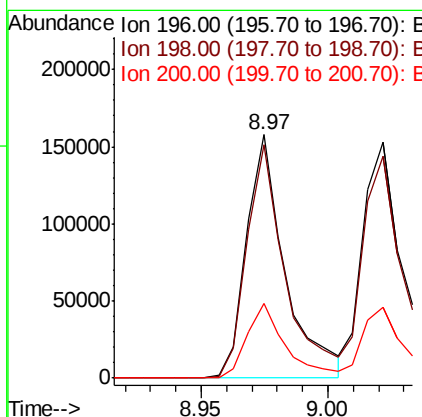
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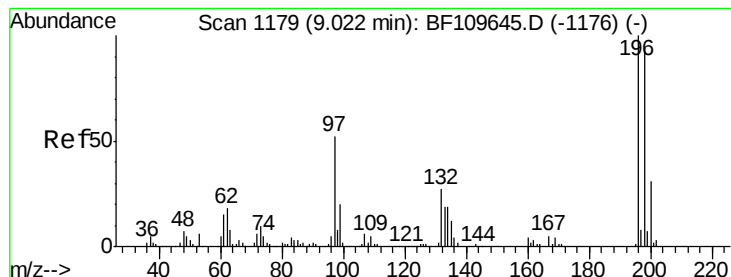
Sohil  
 10/15/2018 10:28:29 AM



#42  
 2,4,6-Trichlorophenol  
 Concen: 43.949 ng  
 RT: 8.97 min Scan# 1171  
 Delta R.T. -0.00 min  
 Lab File: BF109842.D  
 Acq: 12 Oct 2018 19:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 96.1  | 76.2  | 114.4 |
| 200     | 30.9  | 24.4  | 36.6  |





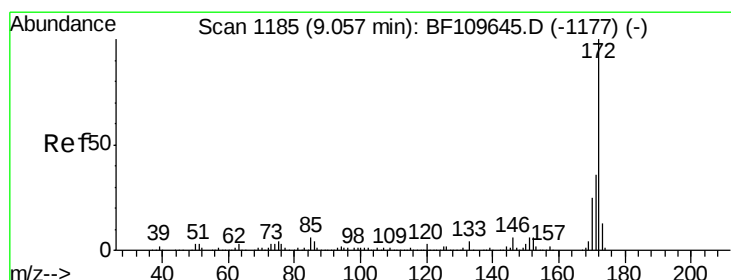
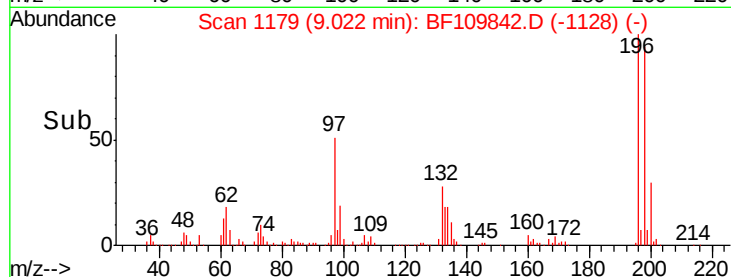
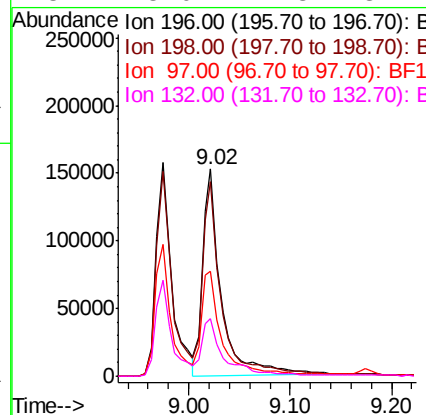
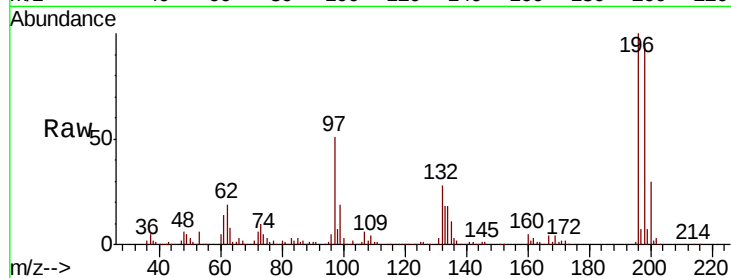
#43  
 2,4,5-Trichlorophenol  
 Concen: 44.075 ng  
 RT: 9.02 min Scan# 1179  
 Delta R.T. -0.00 min  
 Lab File: BF109842.D  
 Acq: 12 Oct 2018 19:07

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HD-01-101118MSD

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 196     | 100  |       | 193812 |       |       |
| 198     | 93.9 | 75.8  | 113.6  |       |       |
| 97      | 50.6 | 42.4  | 63.6   |       |       |
| 132     | 28.0 | 22.8  | 34.2   |       |       |

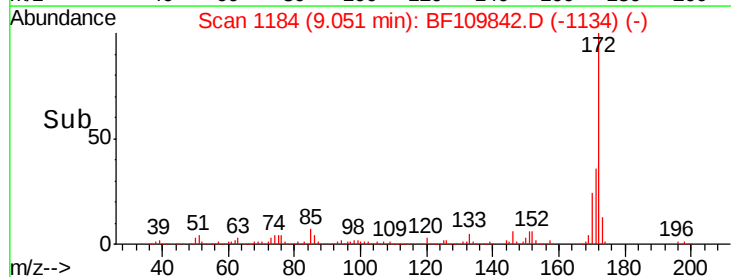
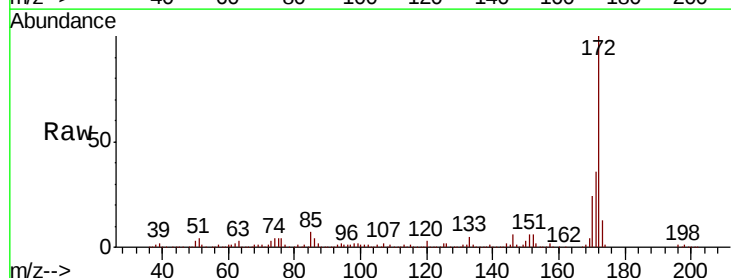
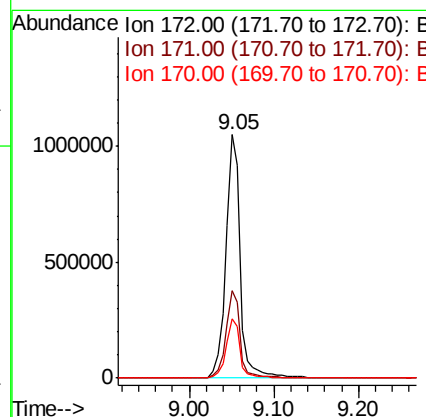
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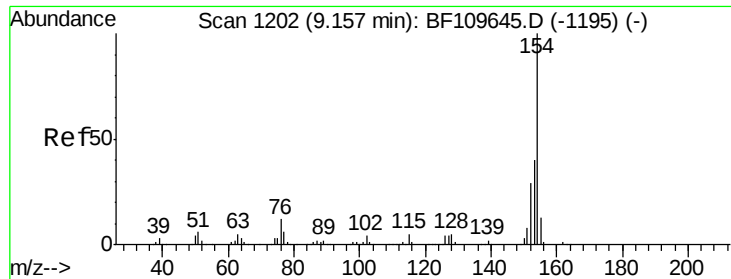
Sohil  
 10/15/2018 10:28:29 AM



#44  
 2-Fluorobiphenyl  
 Concen: 91.679 ng  
 RT: 9.05 min Scan# 1184  
 Delta R.T. -0.01 min  
 Lab File: BF109842.D  
 Acq: 12 Oct 2018 19:07

| Tgt Ion | Ion  | Ratio | Resp    | Lower | Upper |
|---------|------|-------|---------|-------|-------|
| 172     | 100  |       | 1251065 |       |       |
| 171     | 36.1 | 28.6  | 43.0    |       |       |
| 170     | 24.3 | 19.7  | 29.5    |       |       |





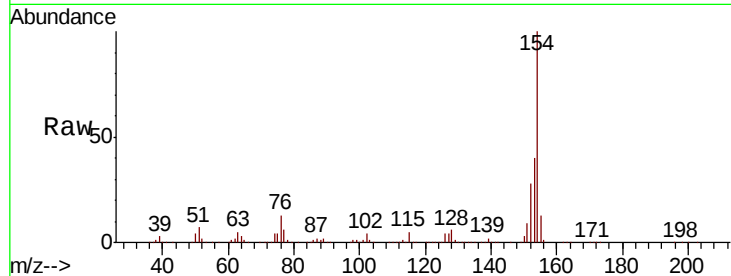
#45  
 1,1'-Biphenyl  
 Concen: 43.130 ng  
 RT: 9.15 min Scan# 1201  
 Delta R.T. -0.01 min  
 Lab File: BF109842.D  
 Acq: 12 Oct 2018 19:07

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HD-01-101118MSD

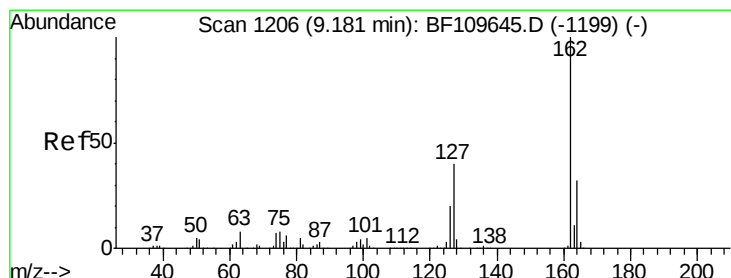
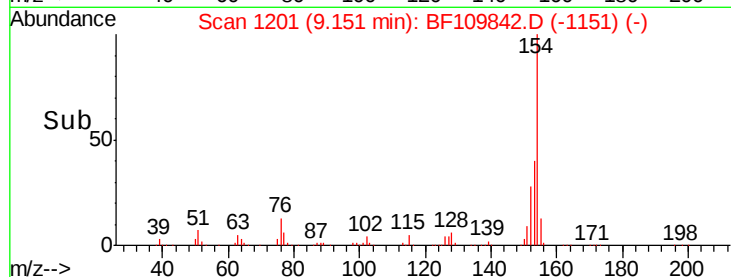
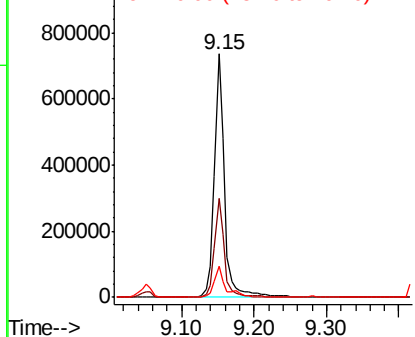
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 154   | Resp: | 724137 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 40.4  | 20.4  | 60.4   |
| 76        | 12.5  | 0.0   | 31.9   |

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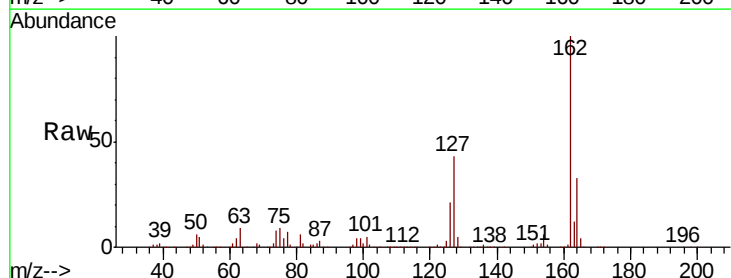


Abundance Ion 154.00 (153.70 to 154.70): E  
 Ion 153.00 (152.70 to 153.70): E  
 Ion 76.00 (75.70 to 76.70): BF1

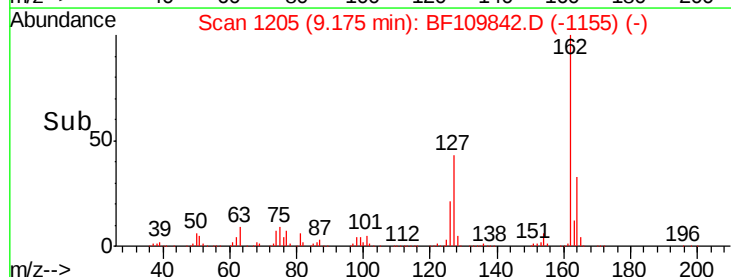
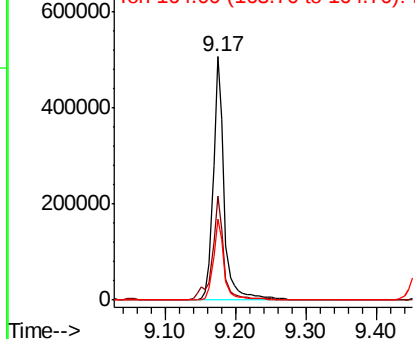


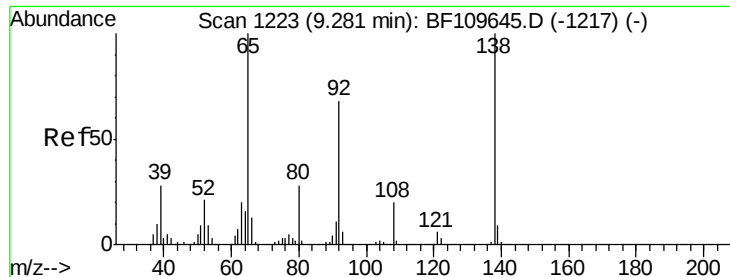
#46  
 2-Chloronaphthalene  
 Concen: 43.832 ng  
 RT: 9.17 min Scan# 1205  
 Delta R.T. -0.01 min  
 Lab File: BF109842.D  
 Acq: 12 Oct 2018 19:07

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 162   | Resp: | 551353 |
| Ion Ratio | Lower | Upper |        |
| 162       | 100   |       |        |
| 127       | 42.9  | 32.6  | 48.8   |
| 164       | 33.2  | 25.9  | 38.9   |



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





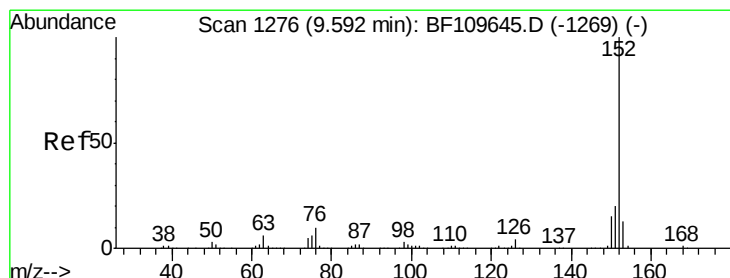
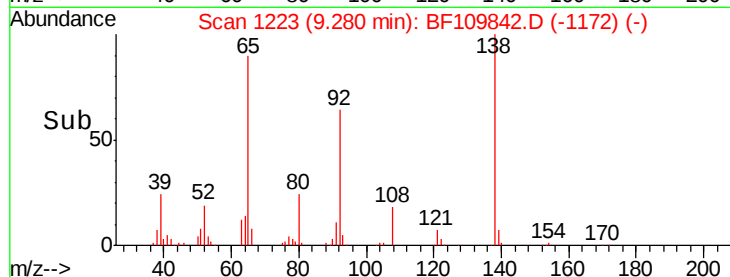
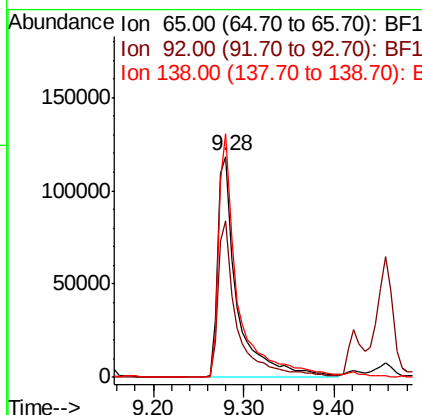
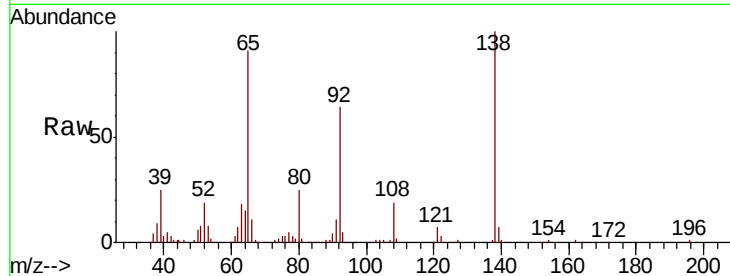
#47  
2-Nitroaniline  
Concen: 46.054 ng  
RT: 9.28 min Scan# 1223  
Delta R.T. -0.00 min  
Lab File: BF109842.D  
Acq: 12 Oct 2018 19:07

Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-101118MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 175408 |       |       |
| 92      | 70.7  | 54.6   | 81.8  |       |
| 138     | 110.1 | 80.3   | 120.5 |       |

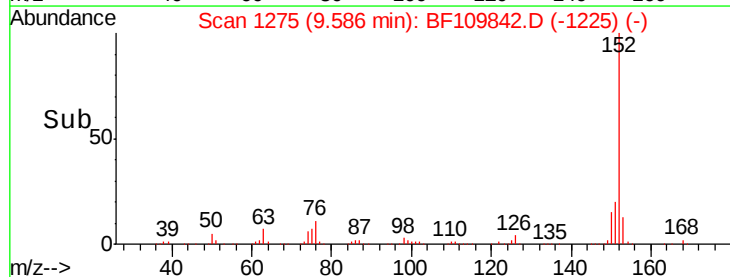
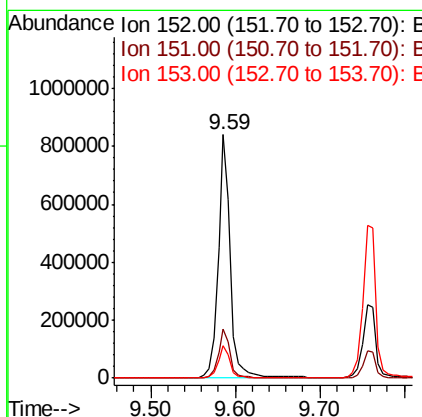
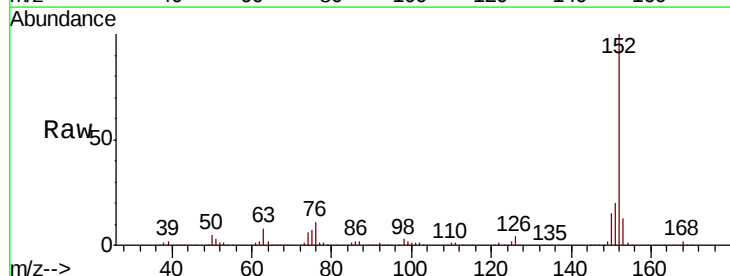
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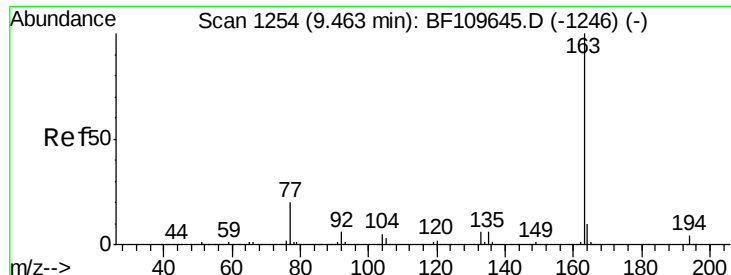
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#48  
Acenaphthylene  
Concen: 46.418 ng  
RT: 9.59 min Scan# 1275  
Delta R.T. -0.01 min  
Lab File: BF109842.D  
Acq: 12 Oct 2018 19:07

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 152     | 100   | 851216 |       |       |
| 151     | 20.2  | 15.8   | 23.8  |       |
| 153     | 13.3  | 10.4   | 15.6  |       |





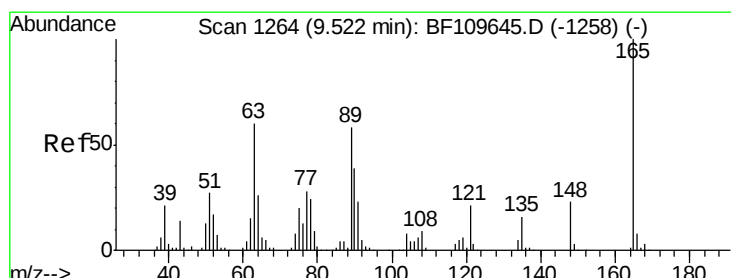
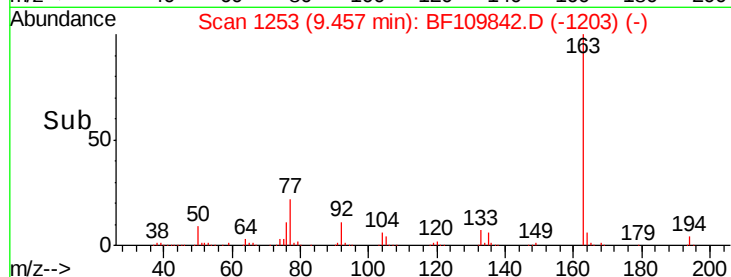
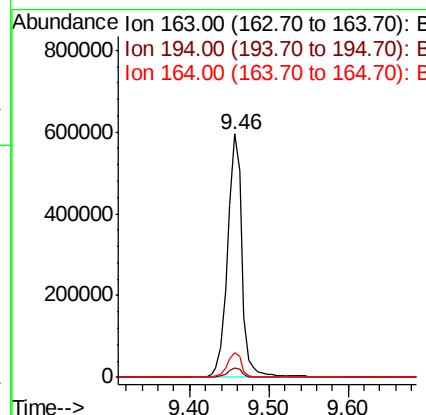
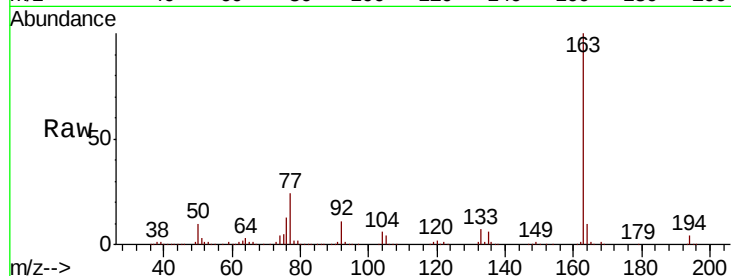
#49  
Dimethylphthalate  
Concen: 54.596 ng  
RT: 9.46 min Scan# 1253  
Delta R.T. -0.01 min  
Lab File: BF109842.D  
Acq: 12 Oct 2018 19:07

Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-101118MSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 163     | 100   |      |       |       |
| 194     | 3.9   |      | 3.2   | 4.8   |
| 164     | 10.2  |      | 8.1   | 12.1  |

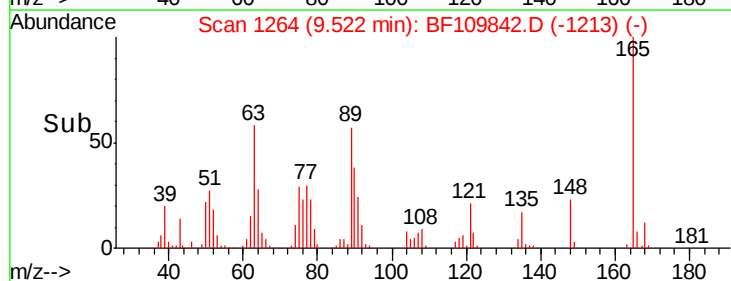
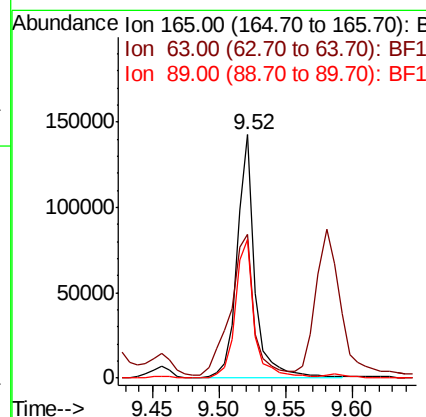
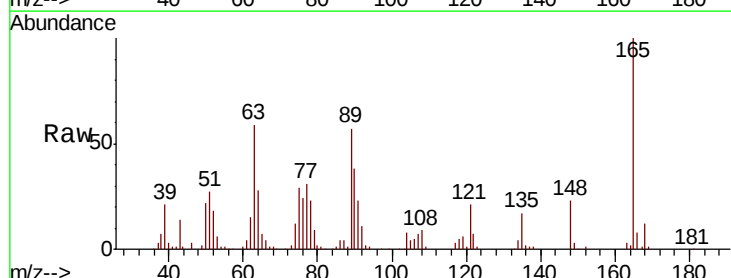
Manual Integrations  
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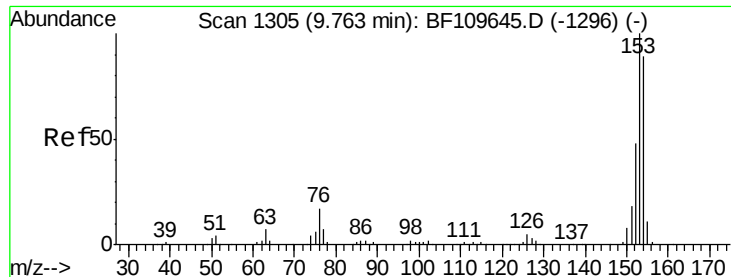
Sohil  
10/15/2018 10:28:29 AM



#50  
2,6-Dinitrotoluene  
Concen: 44.547 ng  
RT: 9.52 min Scan# 1264  
Delta R.T. -0.00 min  
Lab File: BF109842.D  
Acq: 12 Oct 2018 19:07

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 165     | 100   |      |       |       |
| 63      | 59.1  |      | 48.9  | 73.3  |
| 89      | 57.2  |      | 46.6  | 69.8  |





#51

Acenaphthene

Concen: 44.054 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF109842.D

Acq: 12 Oct 2018 19:07

Instrument :

BNA\_F

ClientSampleId :

HD-01-101118MSD

Tot Ion:154 Resp: 478909

Ion Ratio Lower Upper

154 100

153 114.3 90.1 135.1

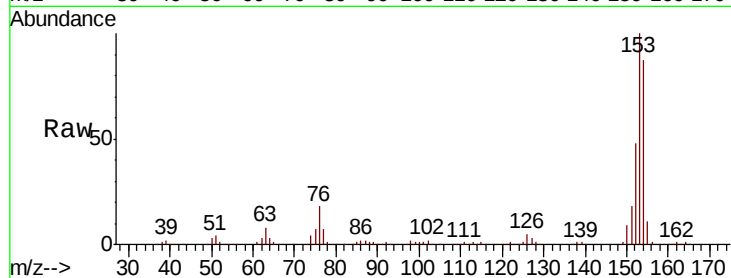
152 55.2 43.4 65.2

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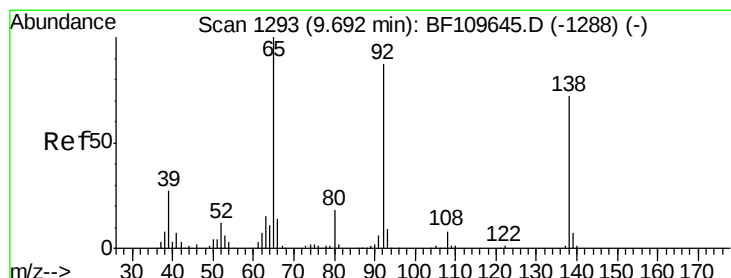
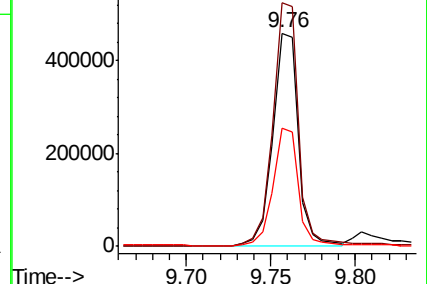
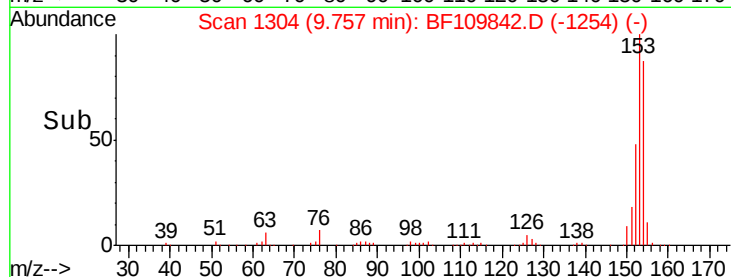
10/15/2018 10:28:29 AM



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 24.641 ng

RT: 9.69 min Scan# 1293

Delta R.T. -0.00 min

Lab File: BF109842.D

Acq: 12 Oct 2018 19:07

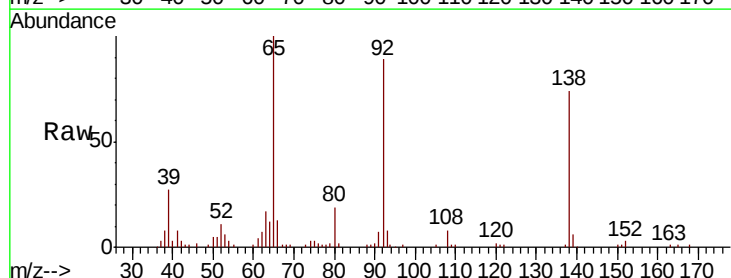
Tgt Ion:138 Resp: 82529

Ion Ratio Lower Upper

138 100

108 10.9 8.7 13.1

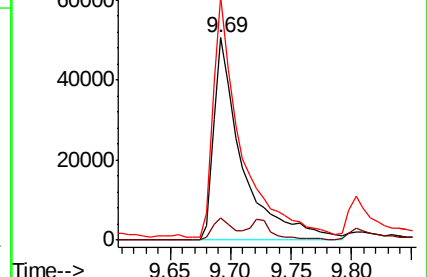
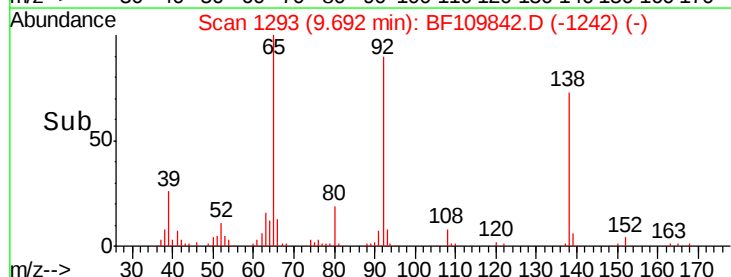
92 120.4 97.0 145.4

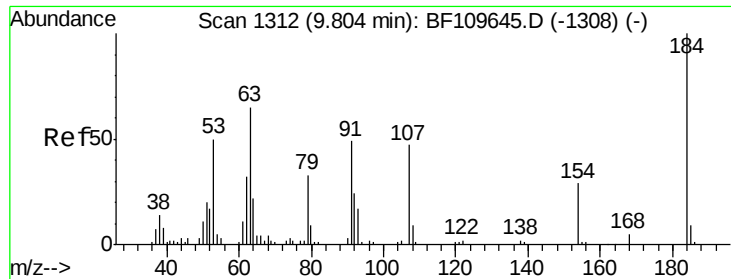


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1





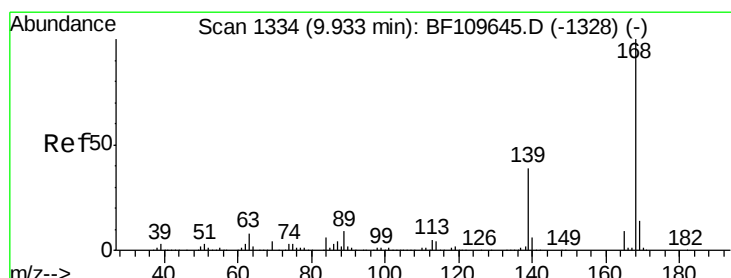
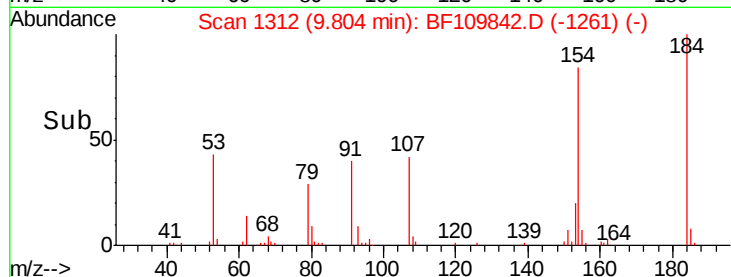
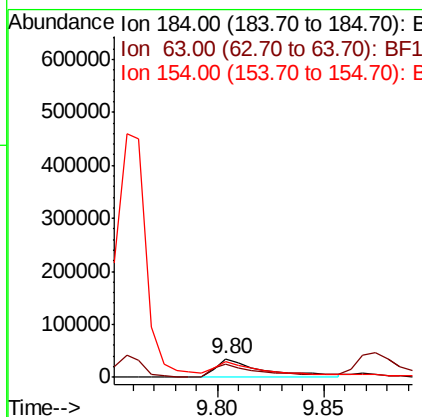
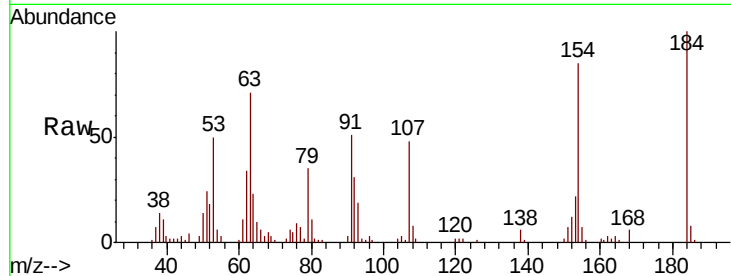
#53  
 2,4-Dinitrophenol  
 Concen: 57.584 ng  
 RT: 9.80 min Scan# 1312  
 Delta R.T. -0.00 min  
 Lab File: BF109842.D  
 Acq: 12 Oct 2018 19:07

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HD-01-101118MSD

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 184   | Resp: | 55510 |
| Ion Ratio | Lower | Upper |       |
| 184       | 100   |       |       |
| 63        | 70.6  | 55.8  | 83.6  |
| 154       | 84.8  | 63.2  | 94.8  |

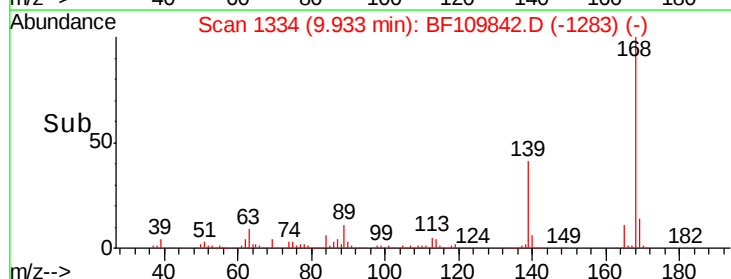
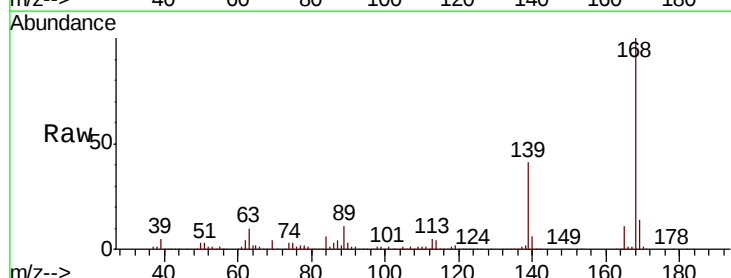
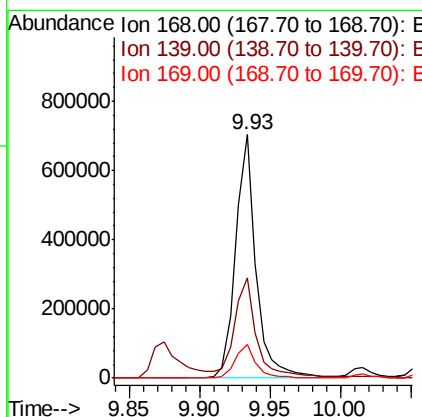
Manual Integrations  
 APPROVED

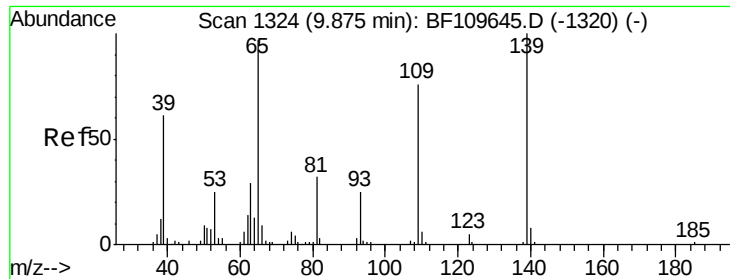
Sohil  
 10/15/2018 10:28:29 AM



#54  
 Dibenzofuran  
 Concen: 43.726 ng  
 RT: 9.93 min Scan# 1334  
 Delta R.T. -0.00 min  
 Lab File: BF109842.D  
 Acq: 12 Oct 2018 19:07

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 168   | Resp: | 712524 |
| Ion Ratio | Lower | Upper |        |
| 168       | 100   |       |        |
| 139       | 41.1  | 33.0  | 49.6   |
| 169       | 13.9  | 11.3  | 16.9   |





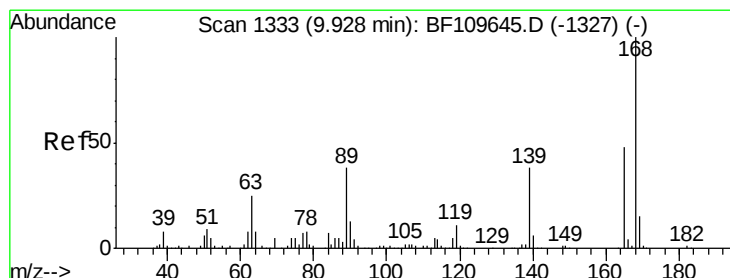
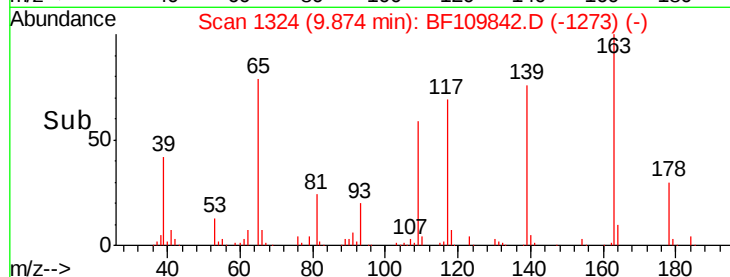
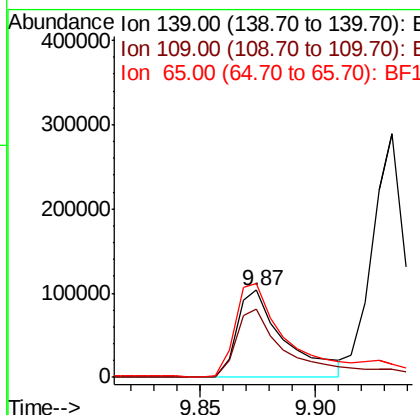
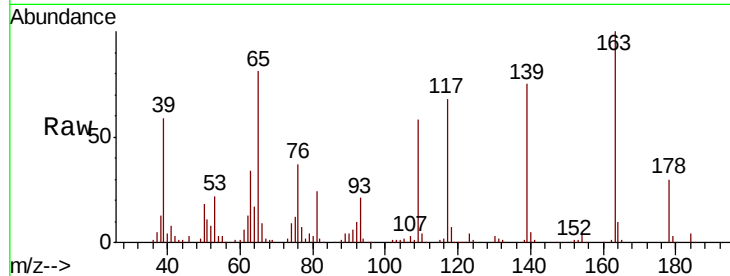
#55  
4-Nitrophenol  
Concen: 81.212 ng  
RT: 9.87 min Scan# 1324  
Delta R.T. -0.00 min  
Lab File: BF109842.D  
Acq: 12 Oct 2018 19:07

Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-101118MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 139     | 100   | 148884 |       |       |
| 109     | 78.3  | 55.8   | 95.8  |       |
| 65      | 108.2 | 77.9   | 117.9 |       |

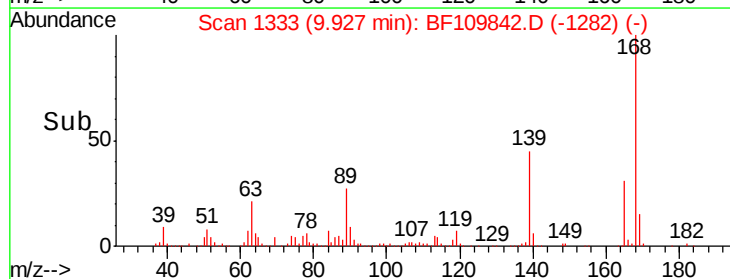
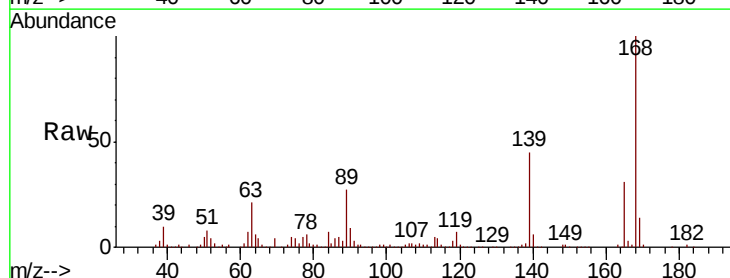
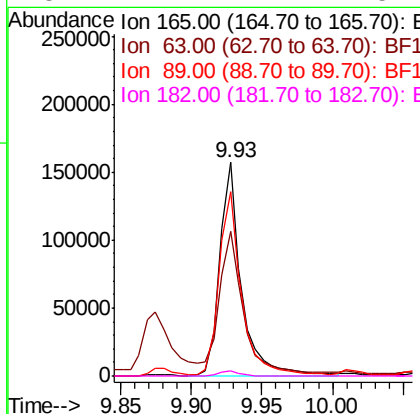
Manual Integrations  
APPROVED

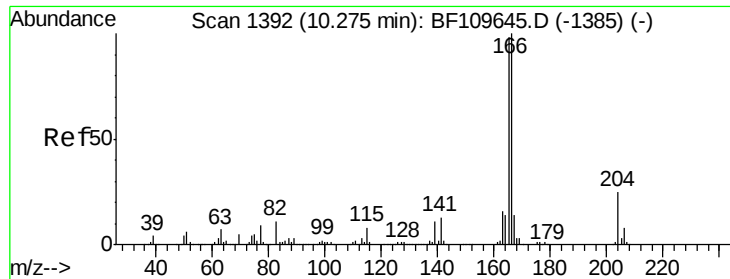
Sohil  
10/15/2018 10:28:29 AM



#56  
2,4-Dinitrotoluene  
Concen: 44.522 ng  
RT: 9.93 min Scan# 1333  
Delta R.T. -0.00 min  
Lab File: BF109842.D  
Acq: 12 Oct 2018 19:07

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 165     | 100   | 166009 |       |       |
| 63      | 67.6  | 44.8   | 67.2# |       |
| 89      | 86.1  | 62.2   | 93.4  |       |
| 182     | 2.4   | 2.1    | 3.1   |       |





#57

Fluorene

Concen: 46.313 ng

RT: 10.27 min Scan# 1392

Delta R.T. -0.00 min

Lab File: BF109842.D

Acq: 12 Oct 2018 19:07

Instrument :

BNA\_F

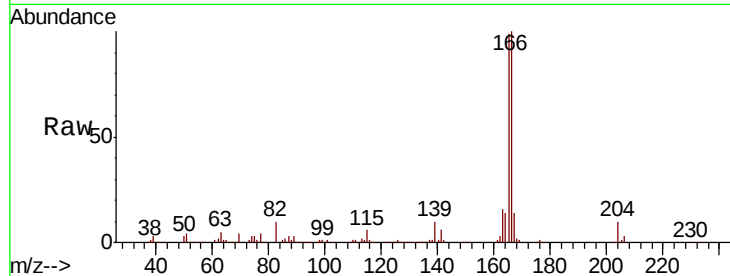
ClientSampleId :

HD-01-101118MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 166   | Resp: | 563575 |
| Ion Ratio | Lower | Upper |        |
| 166       | 100   |       |        |
| 165       | 98.7  | 78.6  | 117.8  |
| 167       | 13.5  | 10.8  | 16.2   |

Manual Integrations  
APPROVED

Sohil  
10/15/2018 10:28:29 AM

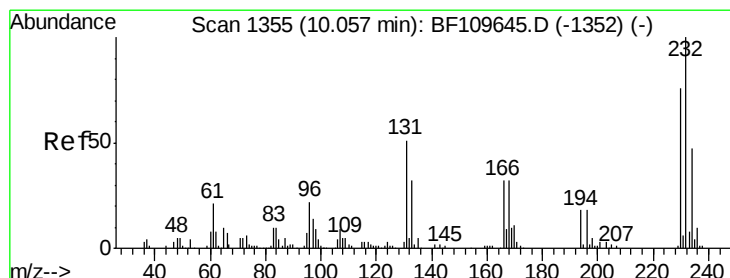
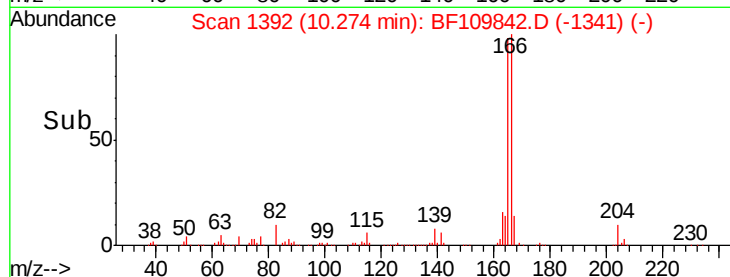
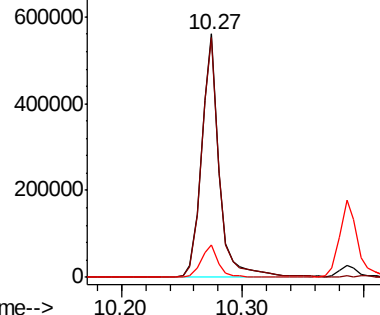


Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 47.999 ng

RT: 10.06 min Scan# 1355

Delta R.T. -0.00 min

Lab File: BF109842.D

Acq: 12 Oct 2018 19:07

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 232   | Resp: | 171573 |
| Ion Ratio | Lower | Upper |        |
| 232       | 100   |       |        |
| 131       | 41.4  | 37.0  | 55.4   |
| 130       | 2.1   | 1.8   | 2.6    |
| 166       | 26.8  | 22.0  | 33.0   |

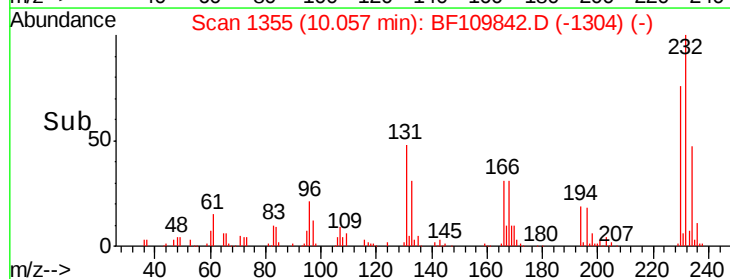
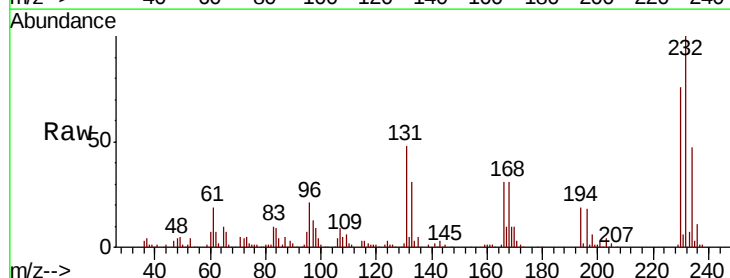
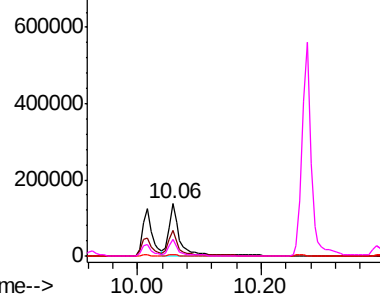
Abundance

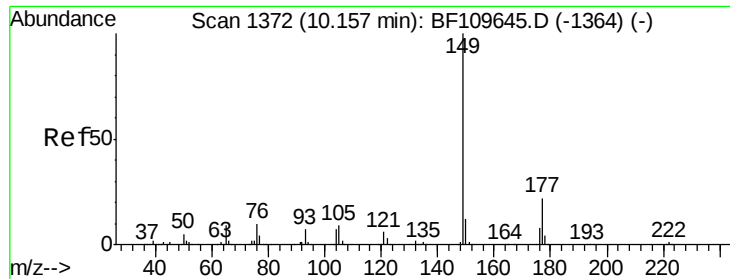
Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





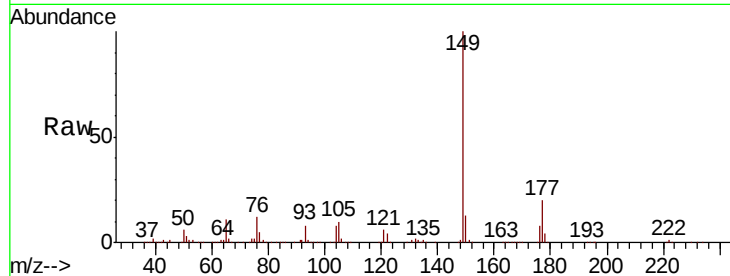
#59  
Diethylphthalate  
Concen: 45.713 ng  
RT: 10.15 min Scan# 1371  
Delta R.T. -0.01 min  
Lab File: BF109842.D  
Acq: 12 Oct 2018 19:07

Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-101118MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 20.4  | 17.4  | 26.2  |
| 150     | 12.9  | 9.8   | 14.8  |

Manual Integrations  
APPROVED

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10/15/2018 10:28:29 AM

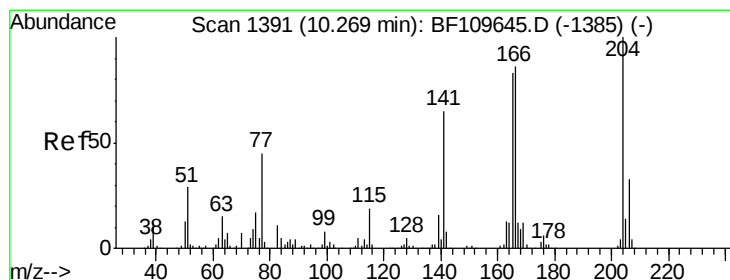
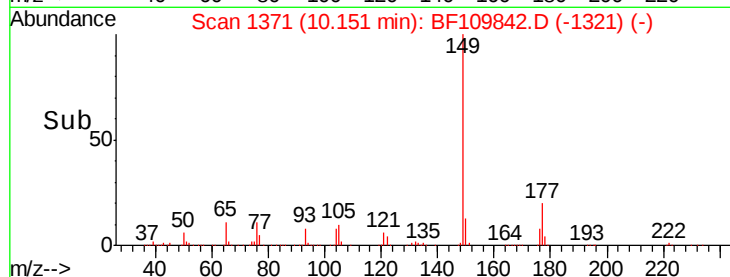
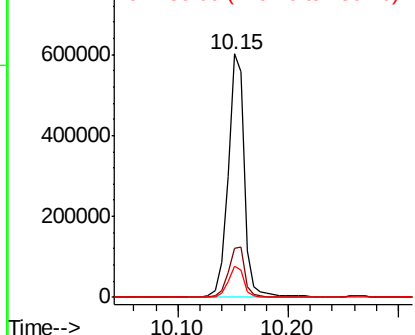


Abundance

Ion 149.00 (148.70 to 149.70): E

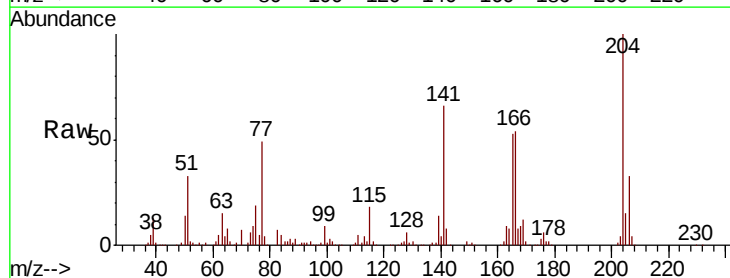
Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60  
4-Chlorophenyl-phenylether  
Concen: 42.784 ng  
RT: 10.26 min Scan# 1390  
Delta R.T. -0.01 min  
Lab File: BF109842.D  
Acq: 12 Oct 2018 19:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 33.0  | 26.5  | 39.7  |
| 141     | 65.7  | 51.8  | 77.8  |

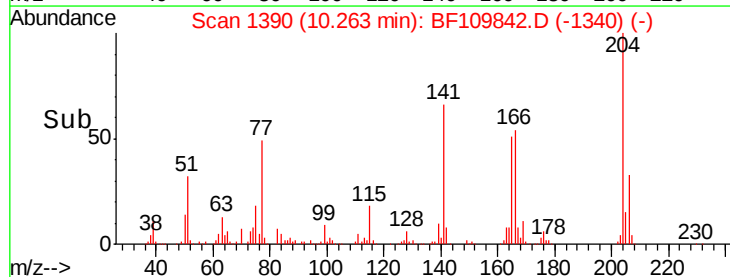
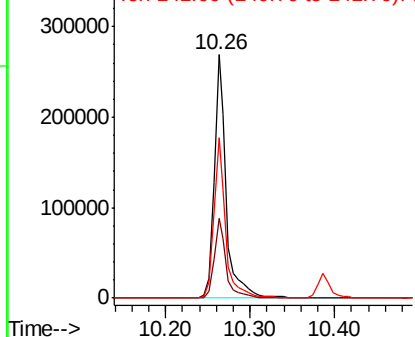


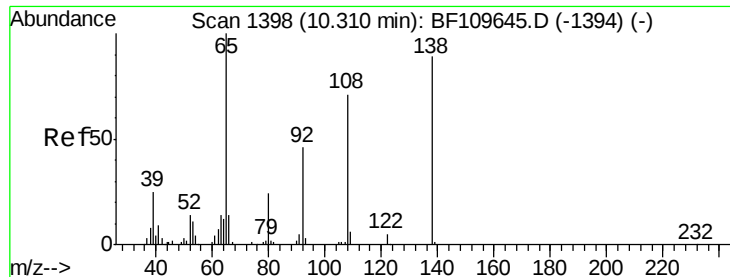
Abundance

Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





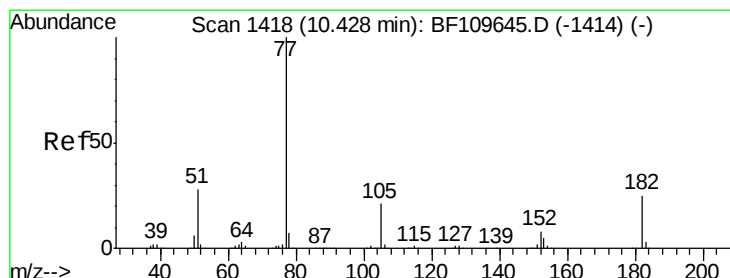
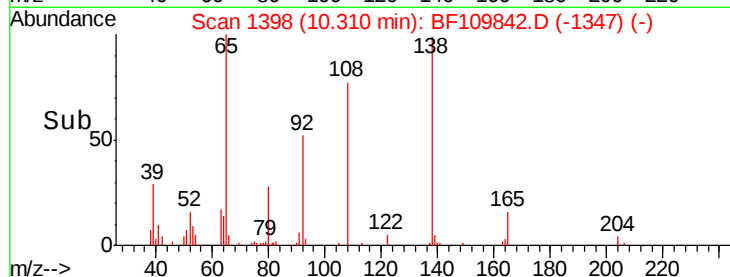
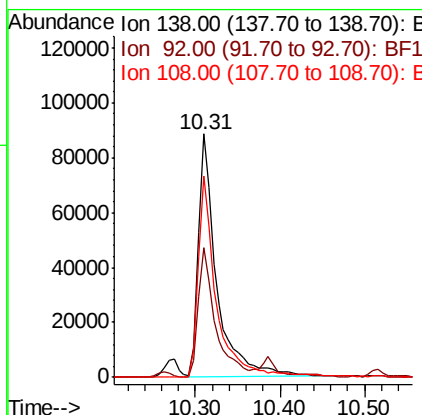
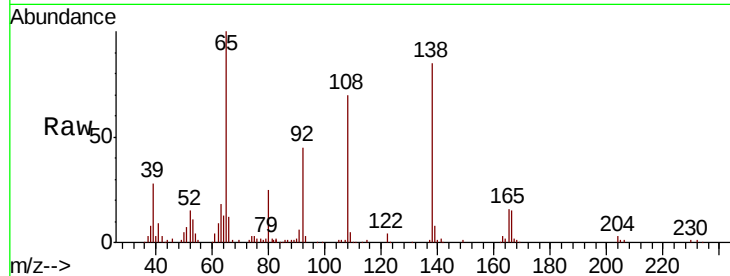
#61  
4-Nitroaniline  
Concen: 42.582 ng  
RT: 10.31 min Scan# 1398  
Delta R.T. -0.00 min  
Lab File: BF109842.D  
Acq: 12 Oct 2018 19:07

Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-101118MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 53.2  | 31.7  | 71.7  |
| 108     | 82.6  | 59.3  | 99.3  |

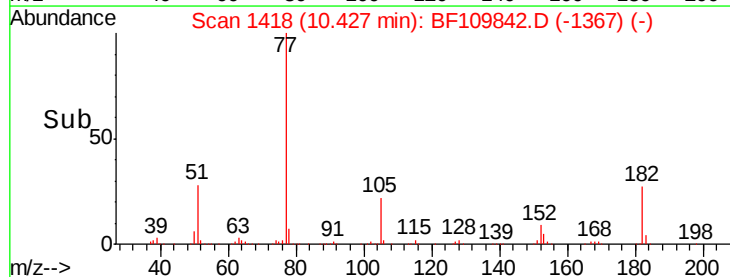
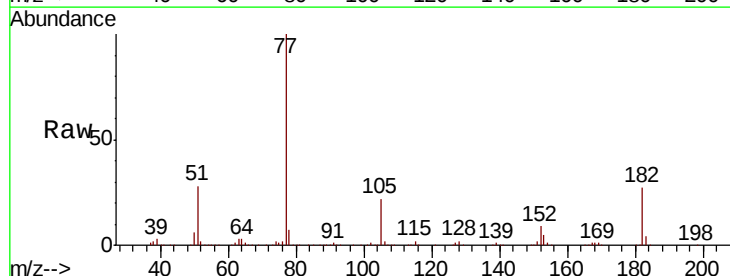
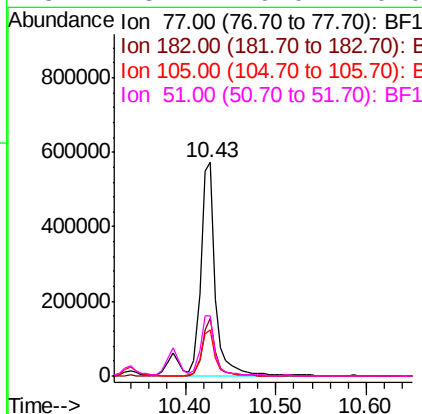
Manual Integrations  
APPROVED

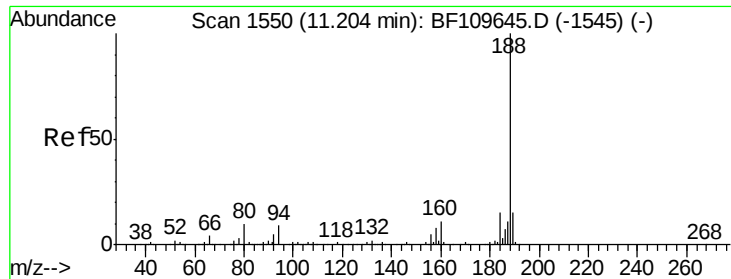
Sohil  
10/15/2018 10:28:29 AM



#62  
Azobenzene  
Concen: 45.540 ng  
RT: 10.43 min Scan# 1418  
Delta R.T. -0.00 min  
Lab File: BF109842.D  
Acq: 12 Oct 2018 19:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 182     | 26.9  | 4.3   | 44.3  |
| 105     | 21.7  | 1.3   | 41.3  |
| 51      | 28.2  | 9.0   | 49.0  |





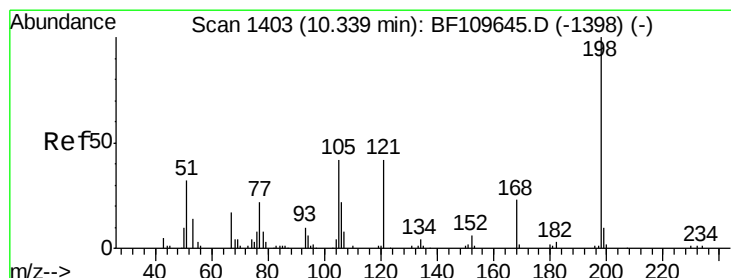
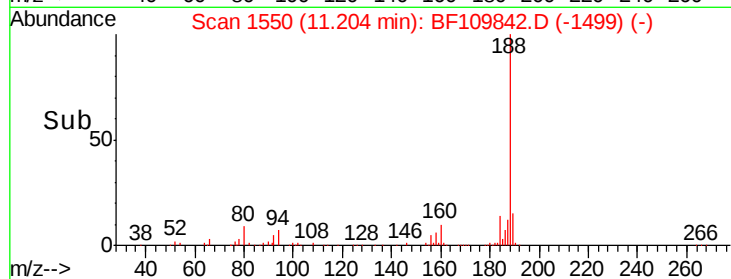
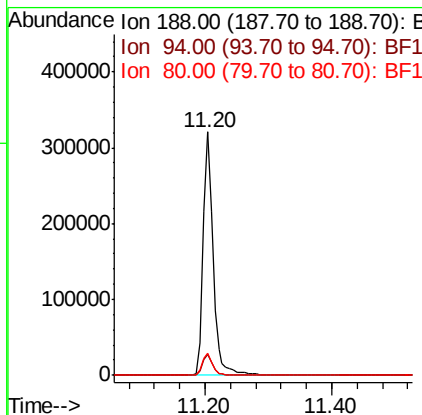
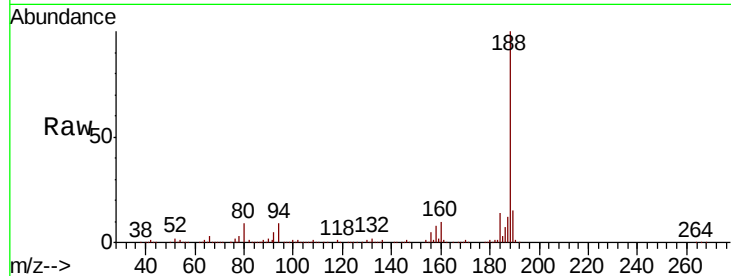
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.20 min Scan# 1550  
Delta R.T. -0.00 min  
Lab File: BF109842.D  
Acq: 12 Oct 2018 19:07

Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-101118MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 188     | 100   | 350407 |       |       |
| 94      | 8.6   |        | 7.2   | 10.8  |
| 80      | 9.2   |        | 7.9   | 11.9  |

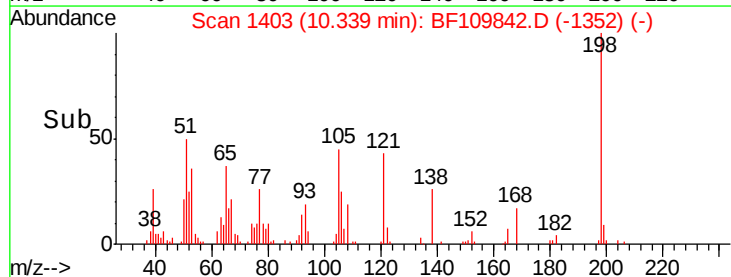
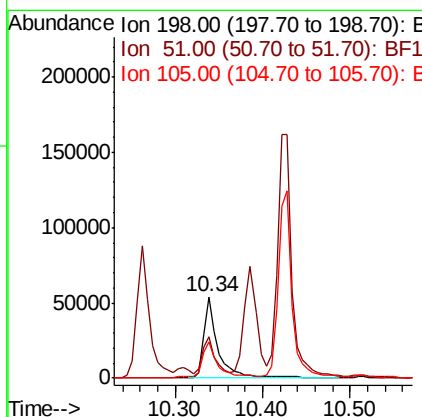
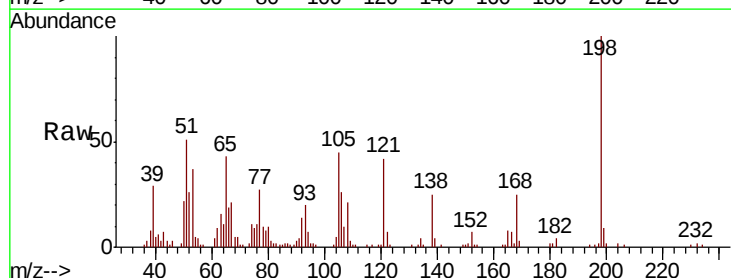
Manual Integrations  
APPROVED

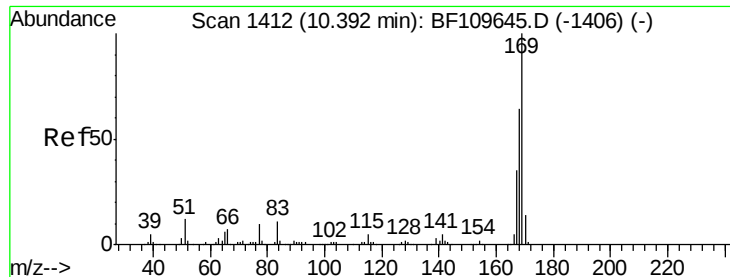
Sohil  
10/15/2018 10:28:29 AM



#64  
4,6-Dinitro-2-methylphenol  
Concen: 36.350 ng  
RT: 10.34 min Scan# 1403  
Delta R.T. -0.00 min  
Lab File: BF109842.D  
Acq: 12 Oct 2018 19:07

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 198     | 100   | 61995 |       |       |
| 51      | 50.5  |       | 22.8  | 62.8  |
| 105     | 45.2  |       | 23.6  | 63.6  |





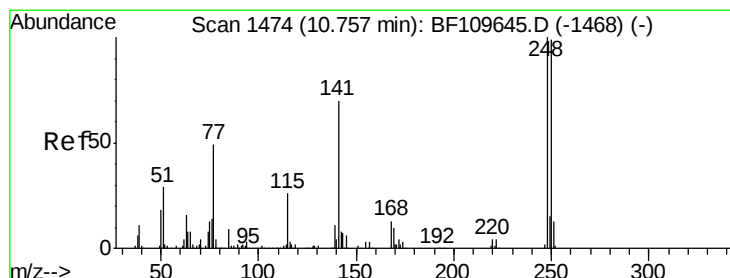
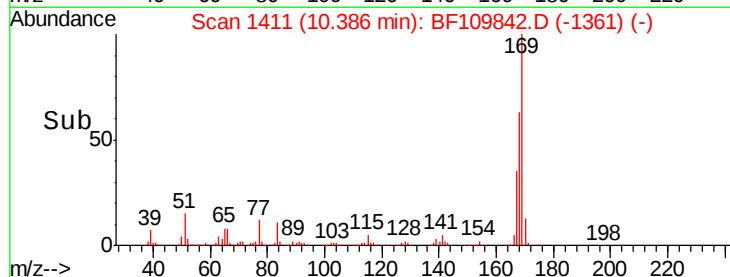
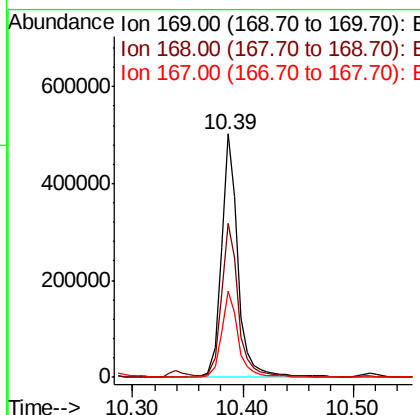
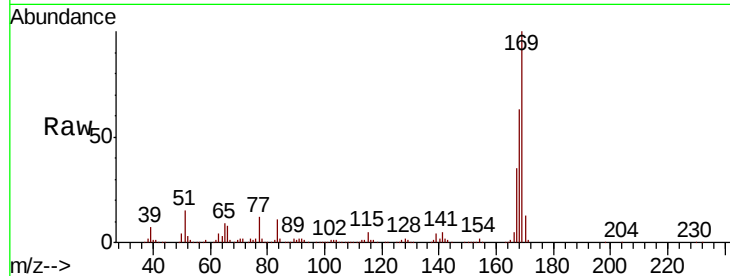
#65  
n-Nitrosodiphenylamine  
Concen: 43.644 ng  
RT: 10.39 min Scan# 1411  
Delta R.T. -0.01 min  
Lab File: BF109842.D  
Acq: 12 Oct 2018 19:07

Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-101118MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 169     | 100   |       |       |
| 168     | 63.3  | 51.2  | 76.8  |
| 167     | 35.2  | 27.8  | 41.6  |

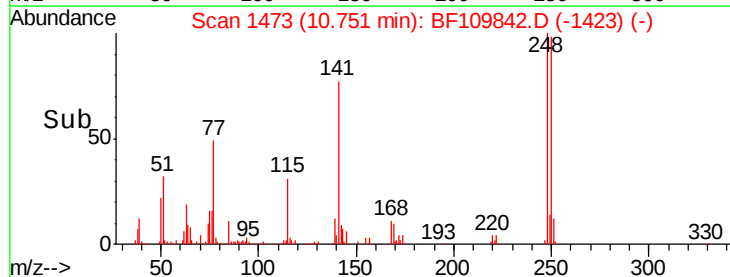
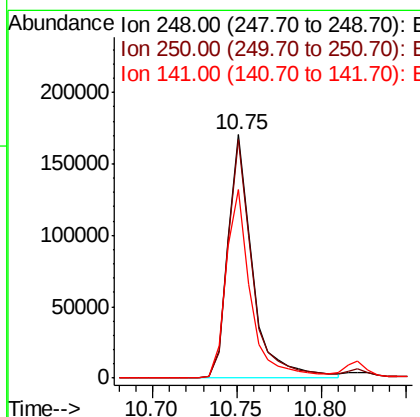
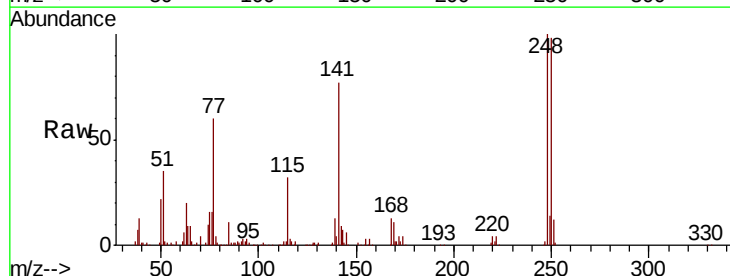
Manual Integrations  
APPROVED

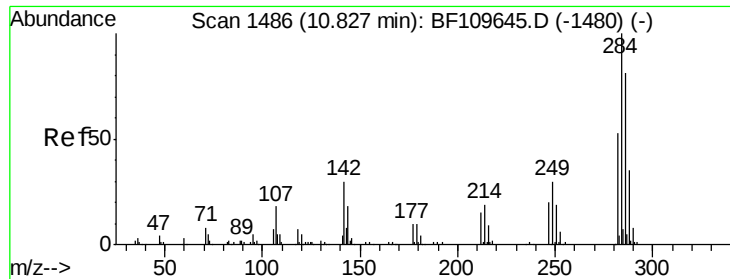
Sohil  
10/15/2018 10:28:29 AM



#66  
4-Bromophenyl-phenylether  
Concen: 42.787 ng  
RT: 10.75 min Scan# 1473  
Delta R.T. -0.01 min  
Lab File: BF109842.D  
Acq: 12 Oct 2018 19:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 97.8  | 79.4  | 119.2 |
| 141     | 77.5  | 55.9  | 83.9  |





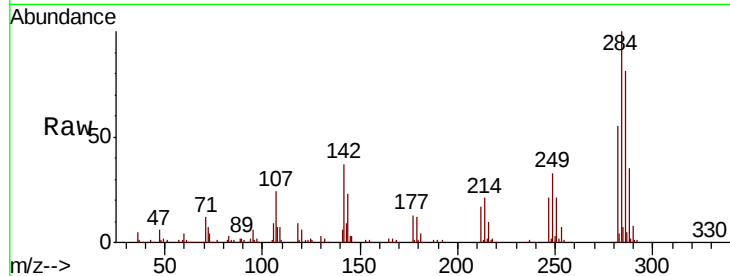
#67  
Hexachlorobenzene  
Concen: 40.942 ng  
RT: 10.82 min Scan# 1485  
Delta R.T. -0.01 min  
Lab File: BF109842.D  
Acq: 12 Oct 2018 19:07

Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-101118MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 284     | 100   | 178498 |       |       |
| 142     | 36.9  | 23.9   | 35.9# |       |
| 249     | 32.9  | 24.2   | 36.2  |       |

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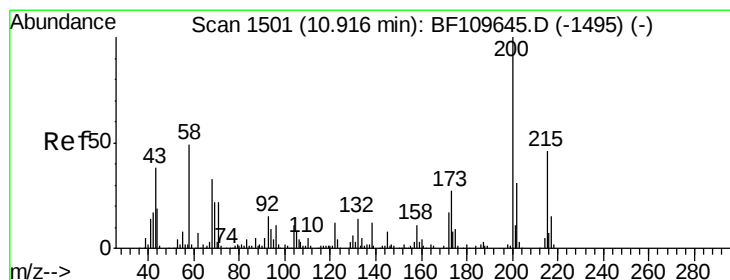
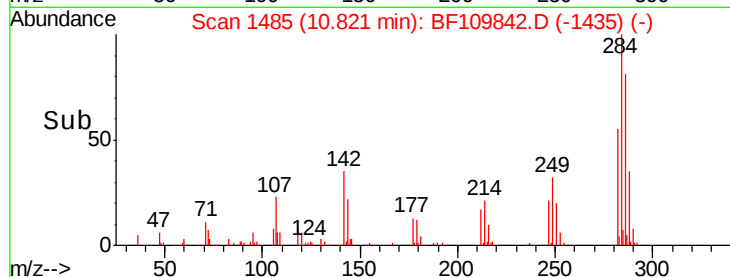
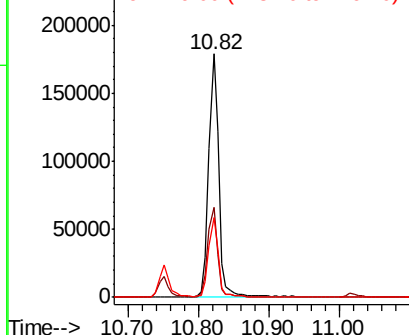


Abundance

Ion 283.80 (283.50 to 284.50): E

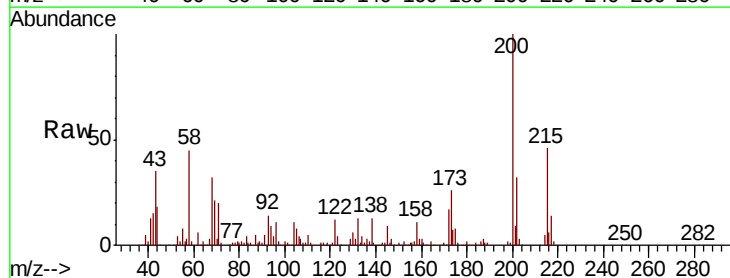
Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#68  
Atrazine  
Concen: 44.601 ng  
RT: 10.92 min Scan# 1501  
Delta R.T. -0.00 min  
Lab File: BF109842.D  
Acq: 12 Oct 2018 19:07

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 200     | 100   | 165343 |       |       |
| 173     | 25.9  | 6.6    | 46.6  |       |
| 215     | 46.4  | 26.3   | 66.3  |       |

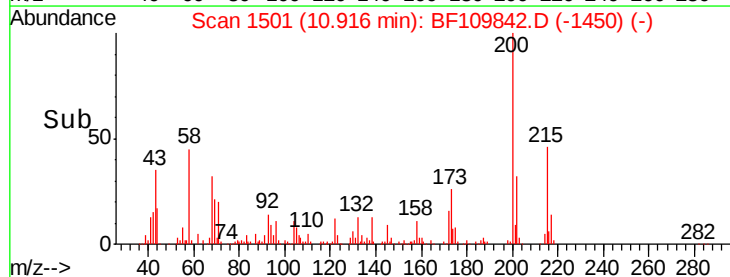
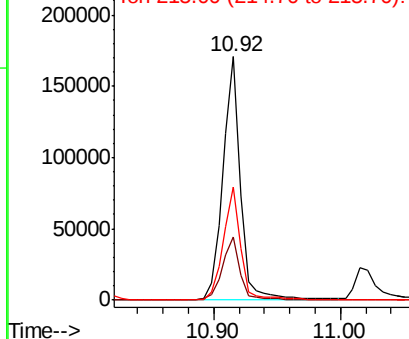


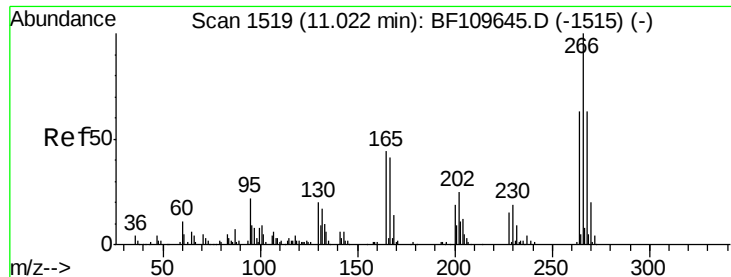
Abundance

Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





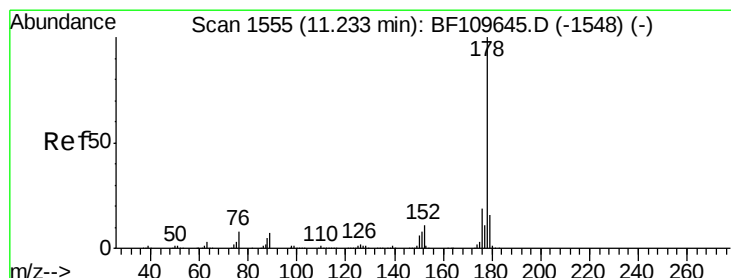
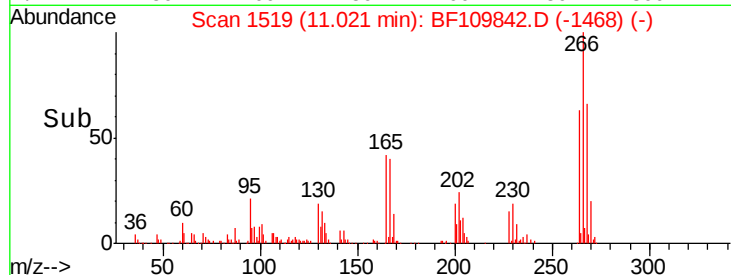
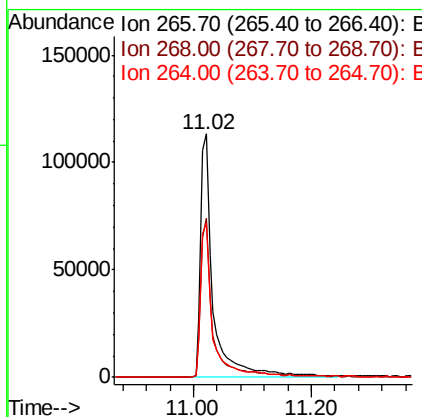
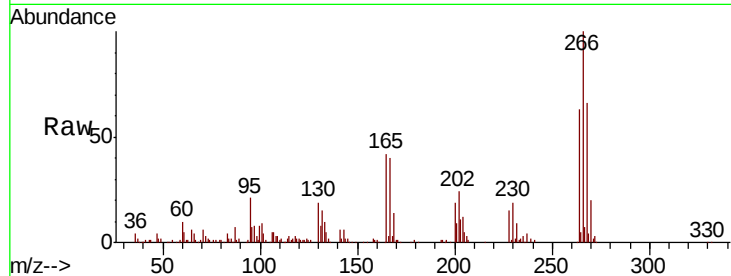
#69  
 Pentachlorophenol  
 Concen: 67.879 ng  
 RT: 11.02 min Scan# 1519  
 Delta R.T. -0.00 min  
 Lab File: BF109842.D  
 Acq: 12 Oct 2018 19:07

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HD-01-101118MSD

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 266  | Resp: | 166525 |
| Ion Ratio |      | Lower | Upper  |
| 266       | 100  |       |        |
| 268       | 65.6 | 50.6  | 75.8   |
| 264       | 63.5 | 50.6  | 75.8   |

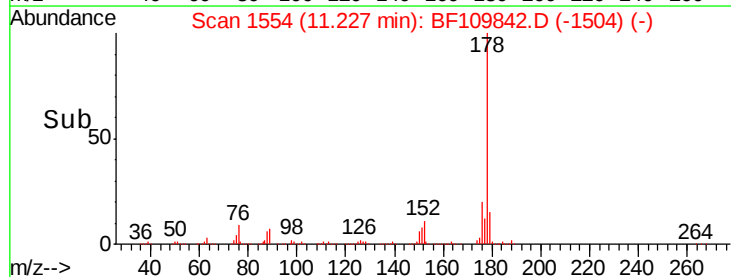
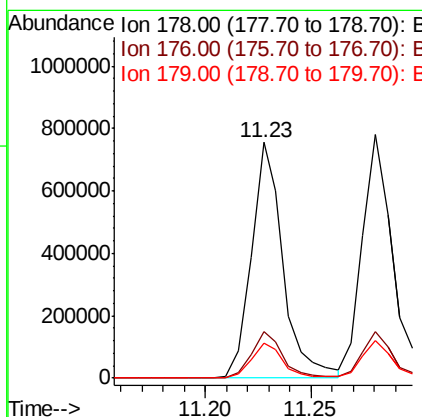
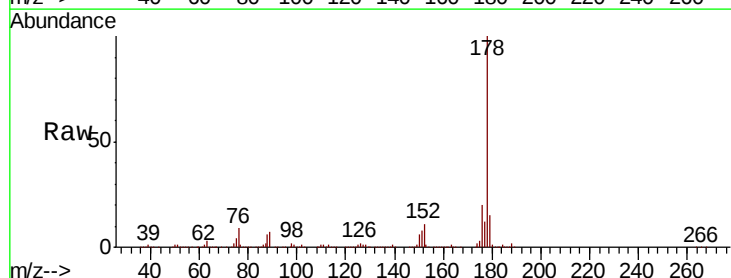
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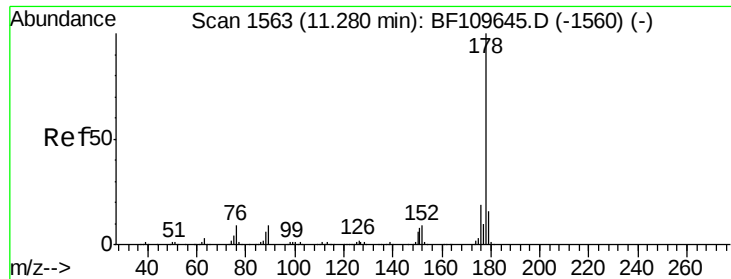
Sohil  
 10/15/2018 10:28:29 AM



#70  
 Phenanthrene  
 Concen: 45.057 ng  
 RT: 11.23 min Scan# 1554  
 Delta R.T. -0.01 min  
 Lab File: BF109842.D  
 Acq: 12 Oct 2018 19:07

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 178  | Resp: | 790111 |
| Ion Ratio |      | Lower | Upper  |
| 178       | 100  |       |        |
| 176       | 19.9 | 15.5  | 23.3   |
| 179       | 15.1 | 12.5  | 18.7   |





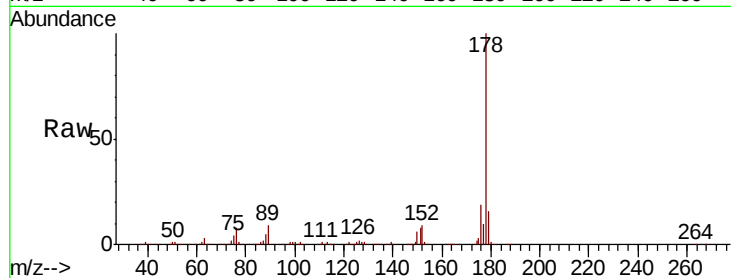
#71  
 Anthracene  
 Concen: 47.277 ng  
 RT: 11.28 min Scan# 1563  
 Delta R.T. -0.00 min  
 Lab File: BF109842.D  
 Acq: 12 Oct 2018 19:07

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HD-01-101118MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.1  | 15.4  | 23.2  |
| 179     | 15.6  | 12.6  | 18.8  |

Manual Integrations  
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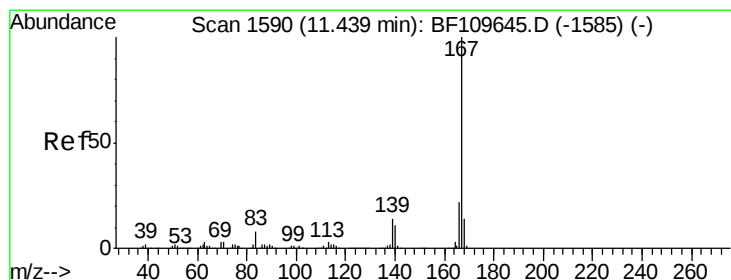
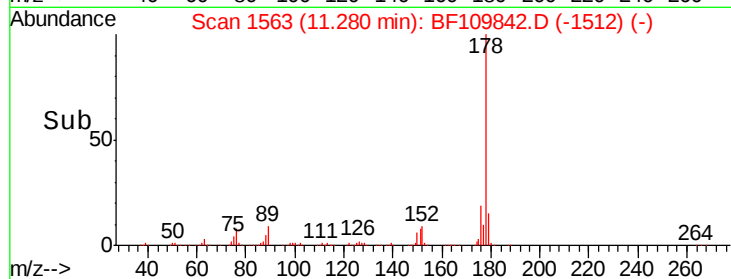
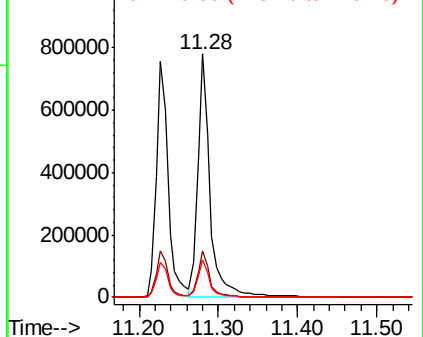


Abundance

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



#72  
 Carbazole  
 Concen: 41.962 ng  
 RT: 11.44 min Scan# 1590  
 Delta R.T. -0.00 min  
 Lab File: BF109842.D  
 Acq: 12 Oct 2018 19:07

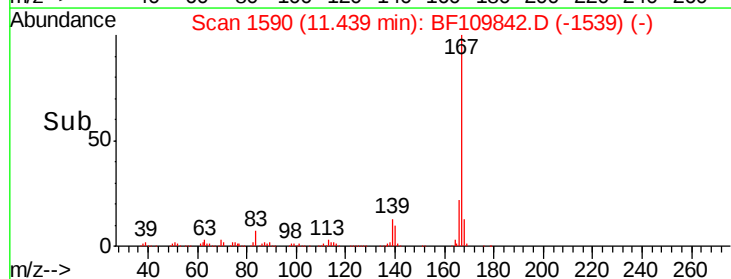
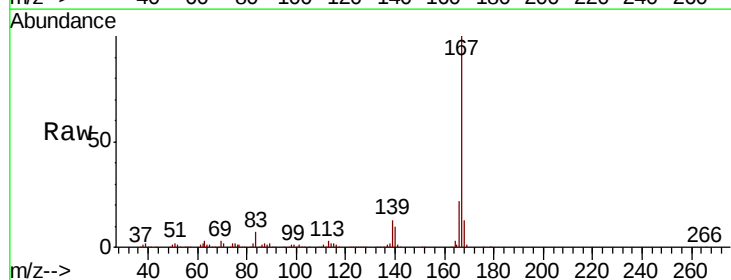
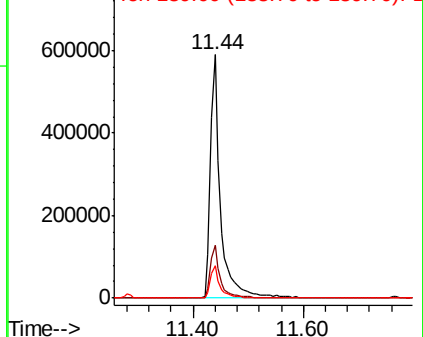
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 21.8  | 17.4  | 26.0  |
| 139     | 13.4  | 10.9  | 16.3  |

Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





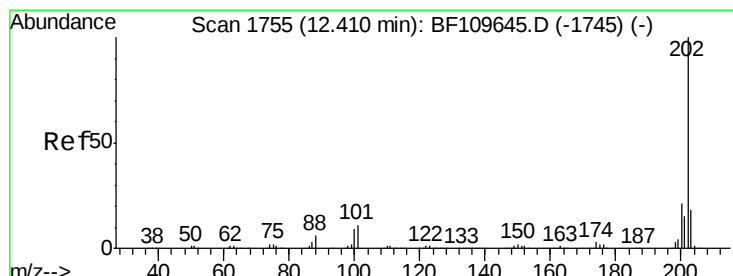
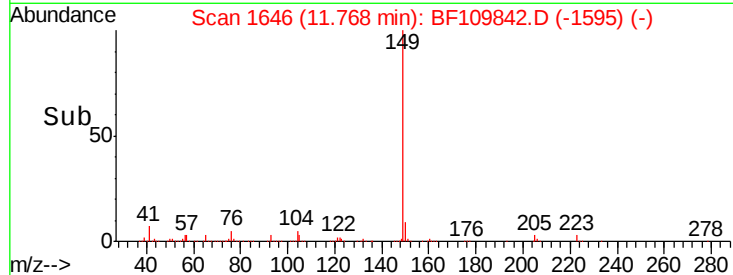
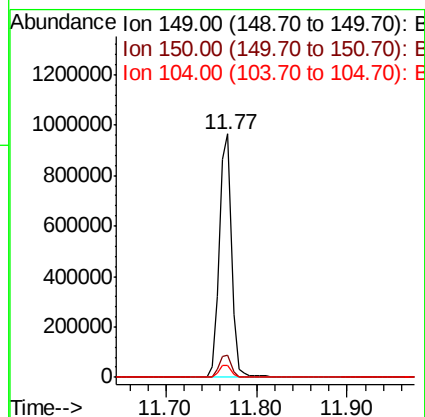
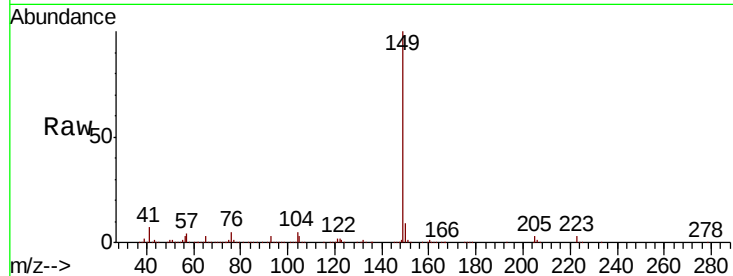
#73  
Di-n-butylphthalate  
Concen: 44.192 ng  
RT: 11.77 min Scan# 1646  
Delta R.T. -0.00 min  
Lab File: BF109842.D  
Acq: 12 Oct 2018 19:07

Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-101118MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 150     | 9.1   | 7.7   | 11.5  |
| 104     | 5.1   | 4.2   | 6.4   |

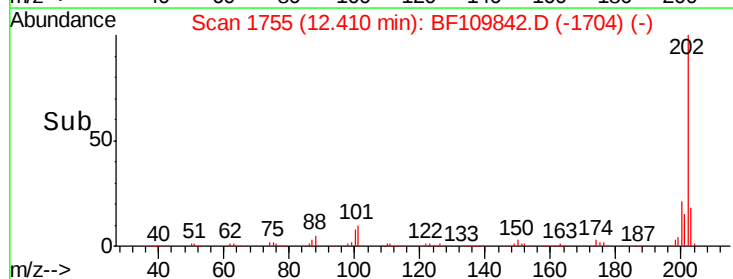
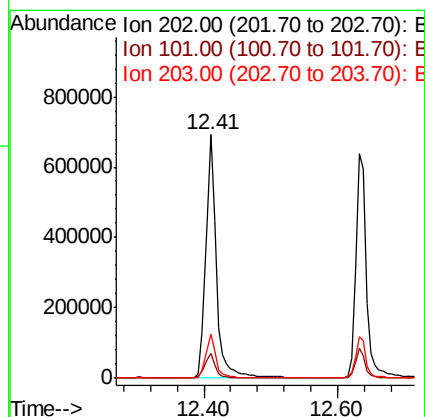
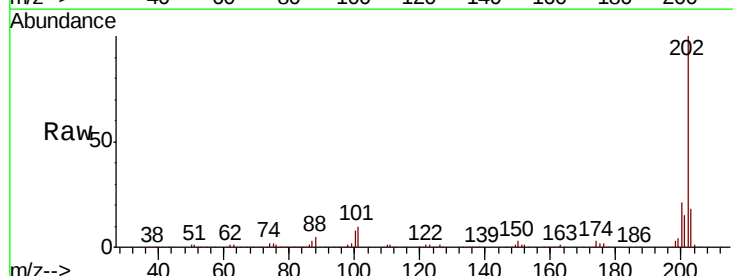
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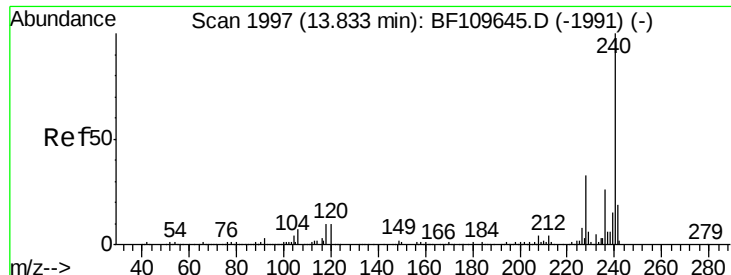
Sohil  
10/15/2018 10:28:29 AM



#74  
Fluoranthene  
Concen: 40.805 ng  
RT: 12.41 min Scan# 1755  
Delta R.T. -0.00 min  
Lab File: BF109842.D  
Acq: 12 Oct 2018 19:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 10.2  | 0.0   | 31.4  |
| 203     | 17.9  | 0.0   | 37.7  |





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.83 min Scan# 1997

Delta R.T. -0.00 min

Lab File: BF109842.D

Acq: 12 Oct 2018 19:07

Instrument :

BNA\_F

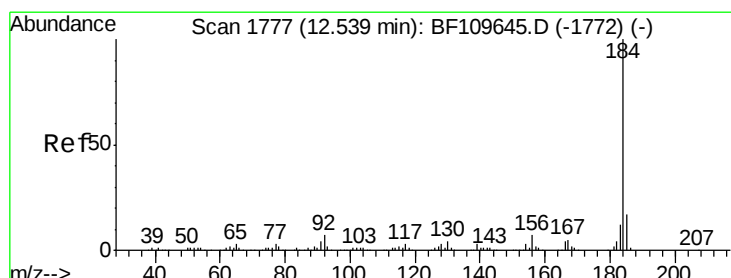
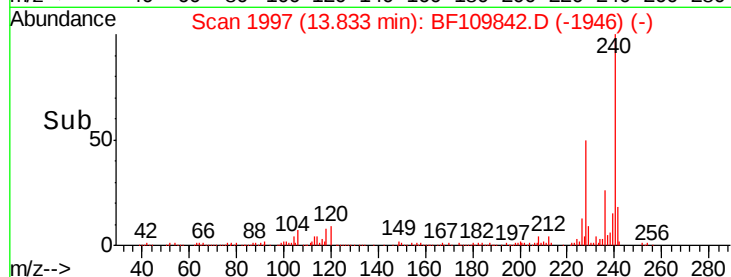
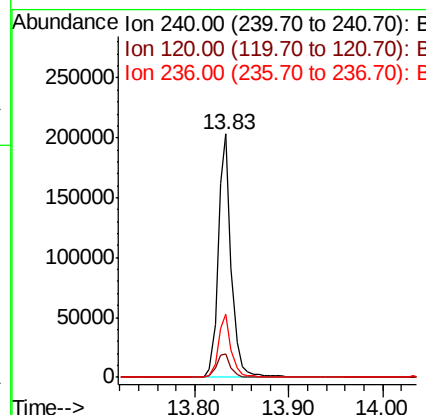
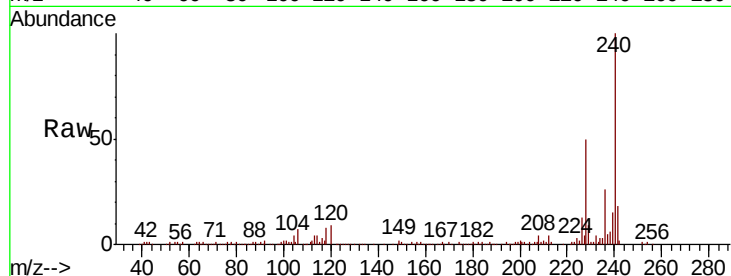
ClientSampleId :

HD-01-101118MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 240   | Resp: | 199851 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 9.5   | 8.3   | 12.5   |
| 236       | 25.9  | 21.2  | 31.8   |

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#76

Benzidine

Concen: 39.986 ng

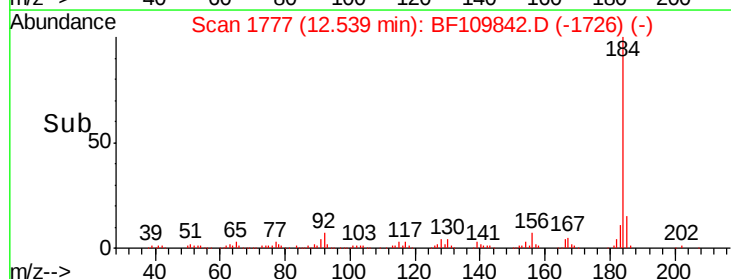
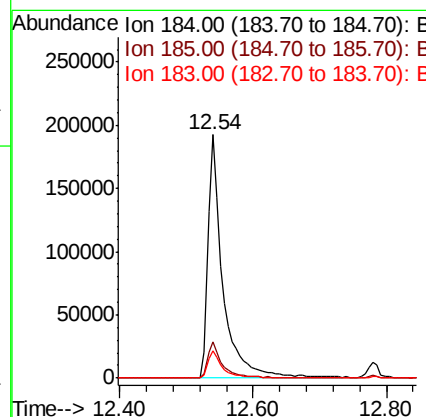
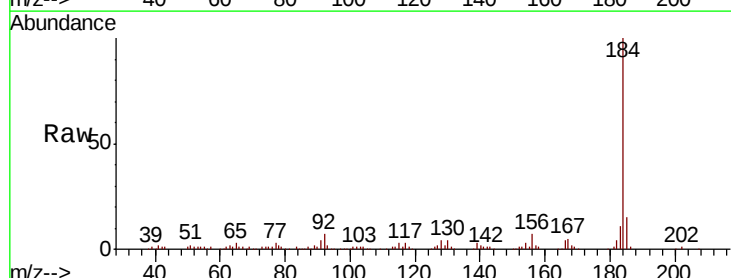
RT: 12.54 min Scan# 1777

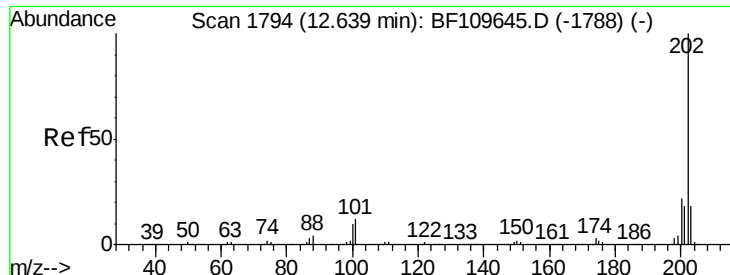
Delta R.T. -0.00 min

Lab File: BF109842.D

Acq: 12 Oct 2018 19:07

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 184   | Resp: | 296859 |
| Ion Ratio | Lower | Upper |        |
| 184       | 100   |       |        |
| 185       | 14.8  | 13.4  | 20.2   |
| 183       | 11.4  | 9.4   | 14.2   |





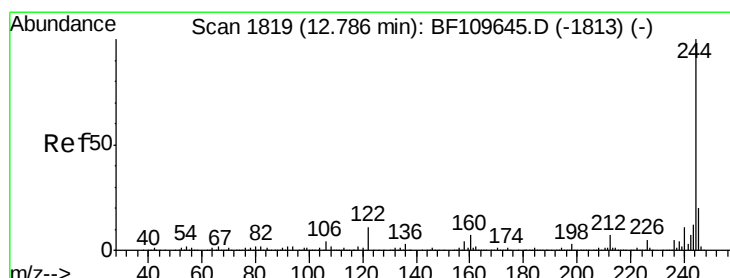
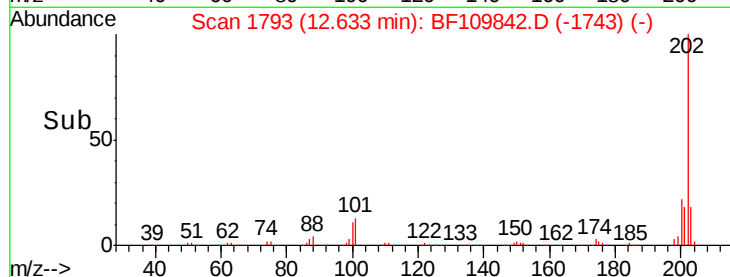
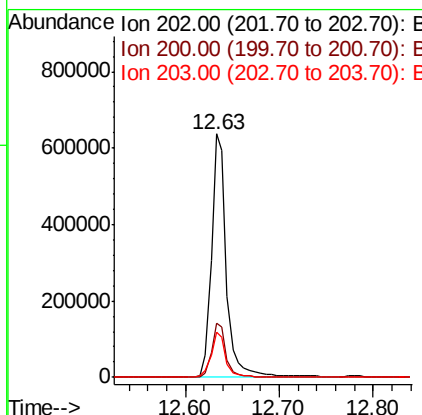
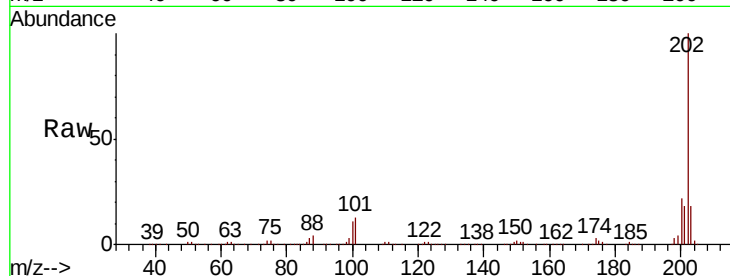
#77  
Pvrene  
Concen: 48.922 ng  
RT: 12.63 min Scan# 1793  
Delta R.T. -0.01 min  
Lab File: BF109842.D  
Acq: 12 Oct 2018 19:07

Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-101118MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 22.0  | 17.8  | 26.6  |
| 203     | 18.5  | 14.2  | 21.4  |

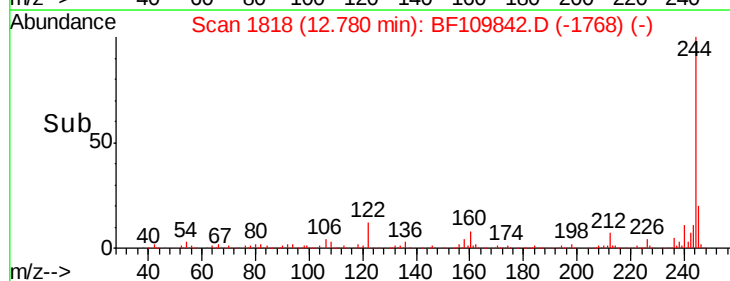
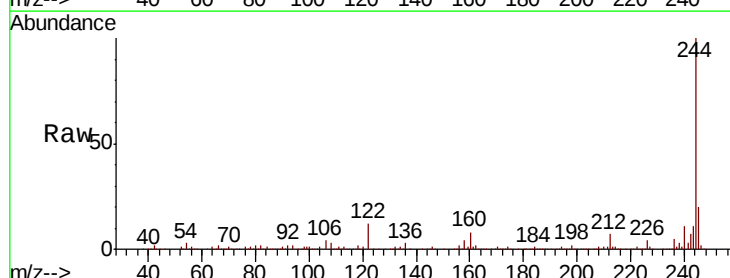
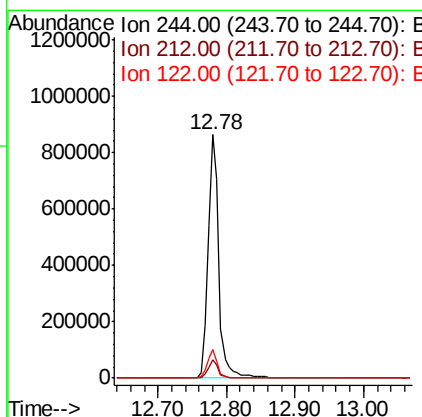
Manual Integrations  
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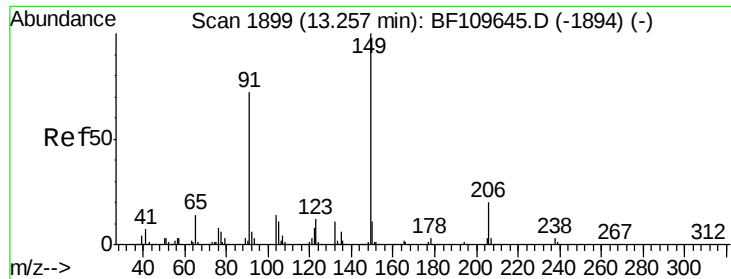
Sohil  
10/15/2018 10:28:29 AM



#78  
Terphenyl-d14  
Concen: 92.804 ng  
RT: 12.78 min Scan# 1818  
Delta R.T. -0.01 min  
Lab File: BF109842.D  
Acq: 12 Oct 2018 19:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.3   | 5.8   | 8.8   |
| 122     | 11.9  | 8.7   | 13.1  |





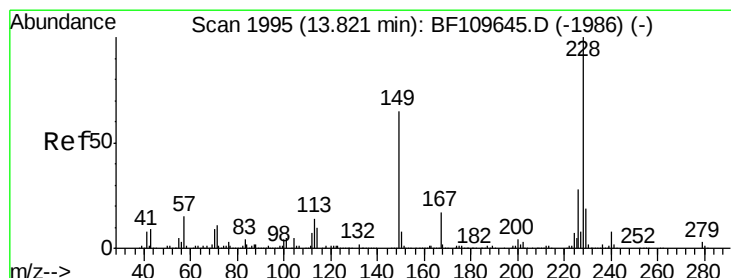
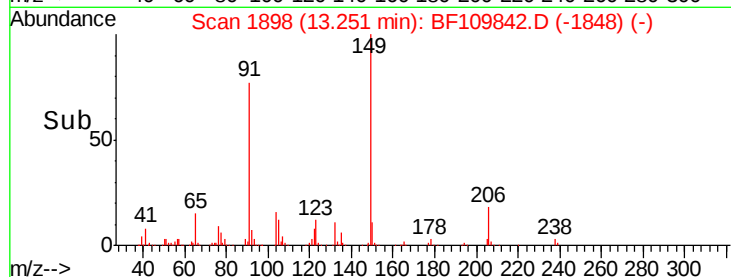
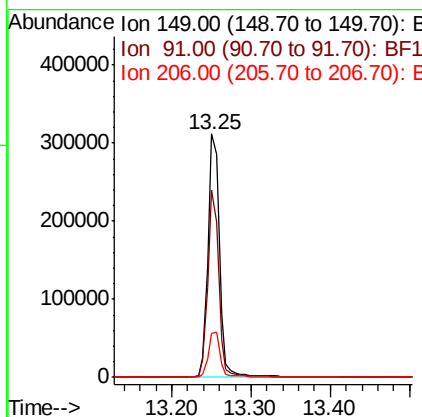
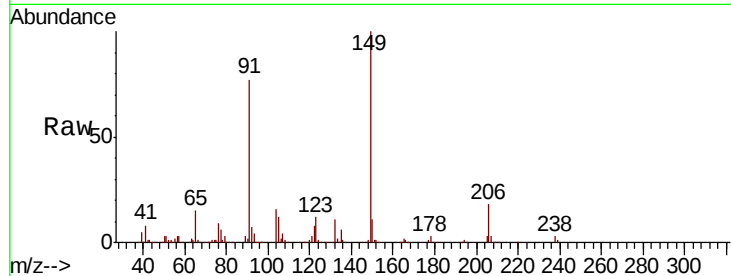
#79  
Butylbenzylphthalate  
Concen: 50.623 ng  
RT: 13.25 min Scan# 1898  
Delta R.T. -0.01 min  
Lab File: BF109842.D  
Acq: 12 Oct 2018 19:07

Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-101118MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 76.8  | 57.2  | 85.8  |
| 206     | 18.2  | 15.7  | 23.5  |

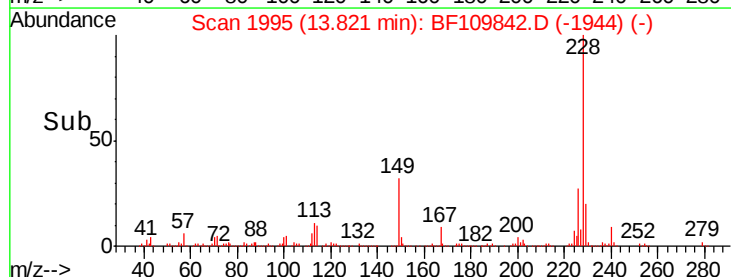
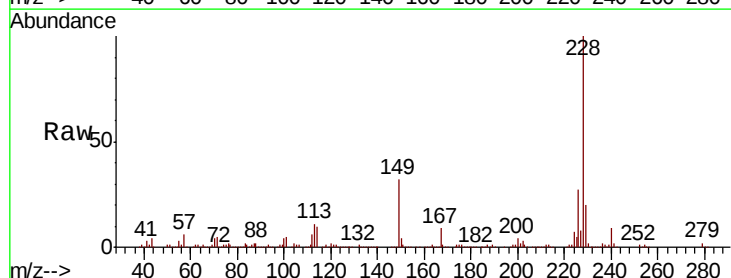
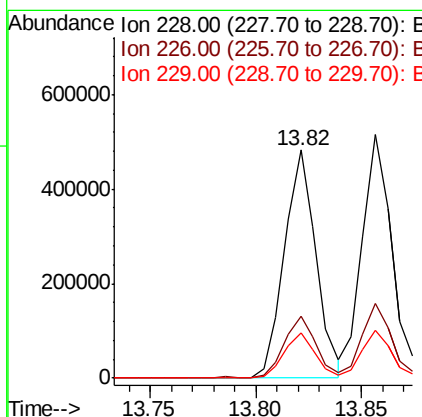
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10/15/2018 10:28:29 AM



#80  
Benzo(a)anthracene  
Concen: 45.750 ng  
RT: 13.82 min Scan# 1995  
Delta R.T. -0.00 min  
Lab File: BF109842.D  
Acq: 12 Oct 2018 19:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 27.1  | 22.1  | 33.1  |
| 229     | 19.8  | 15.6  | 23.4  |





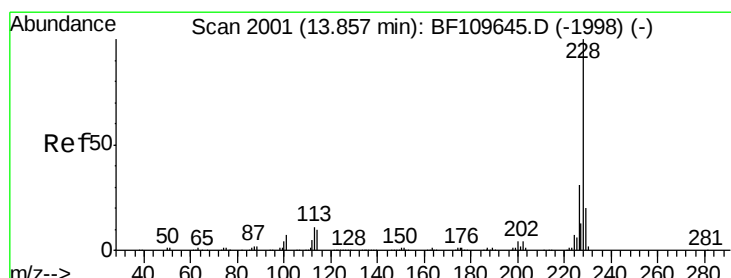
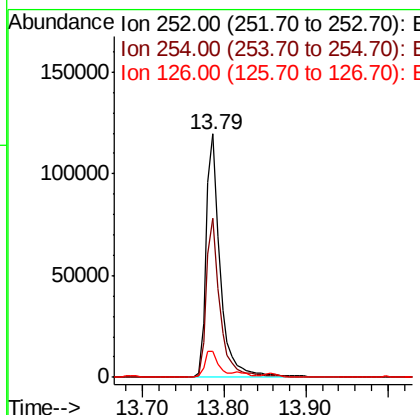
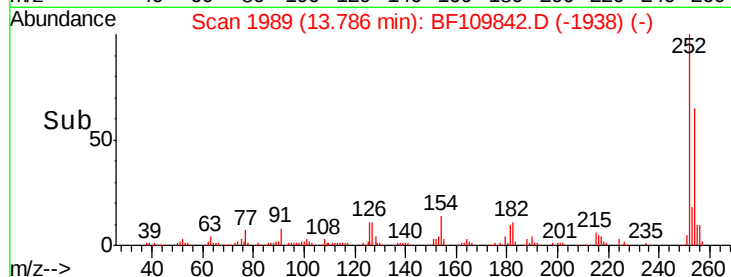
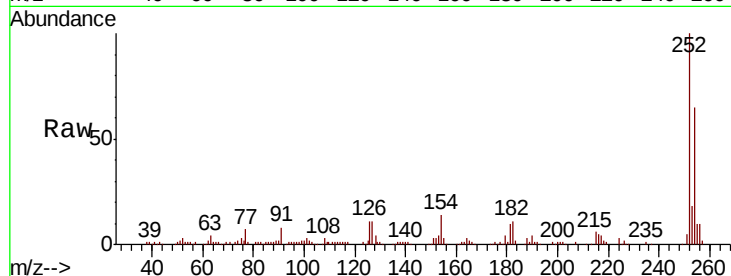
#81  
 3,3'-Dichlorobenzidine  
 Concen: 32.242 ng  
 RT: 13.79 min Scan# 1989  
 Delta R.T. -0.00 min  
 Lab File: BF109842.D  
 Acq: 12 Oct 2018 19:07

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HD-01-101118MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 252     | 100   | 143180 |       |       |
| 254     | 65.4  | 51.3   | 76.9  |       |
| 126     | 10.9  | 9.4    | 14.2  |       |

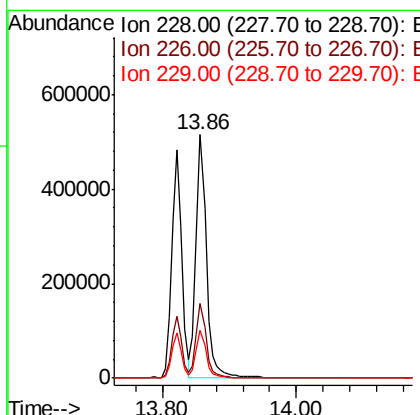
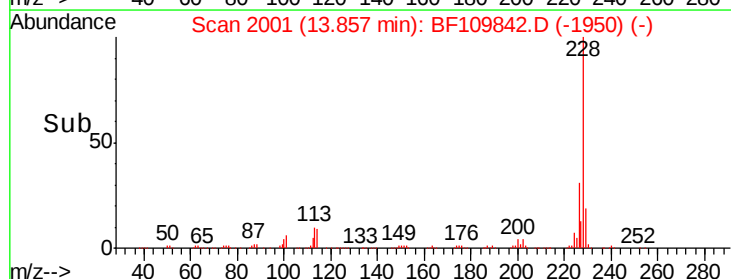
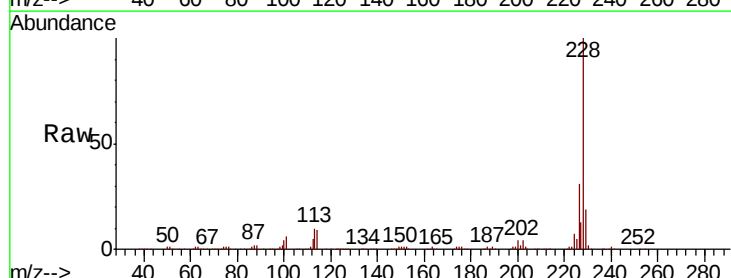
Manual Integrations  
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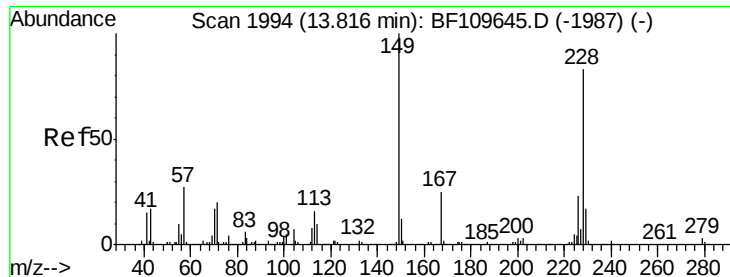
Sohil  
 10/15/2018 10:28:29 AM



#82  
 Chrysene  
 Concen: 46.851 ng  
 RT: 13.86 min Scan# 2001  
 Delta R.T. -0.00 min  
 Lab File: BF109842.D  
 Acq: 12 Oct 2018 19:07

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 228     | 100   | 542734 |       |       |
| 226     | 30.6  | 24.7   | 37.1  |       |
| 229     | 19.5  | 15.9   | 23.9  |       |





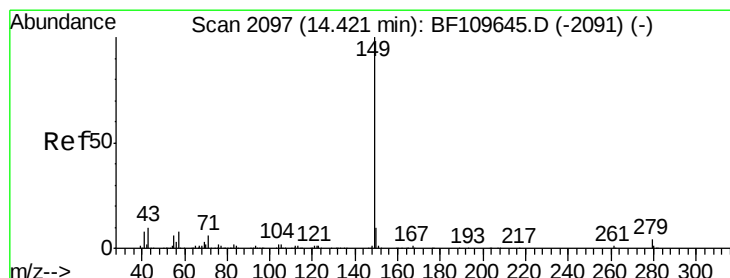
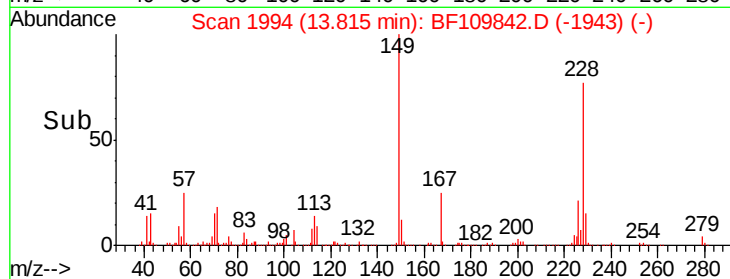
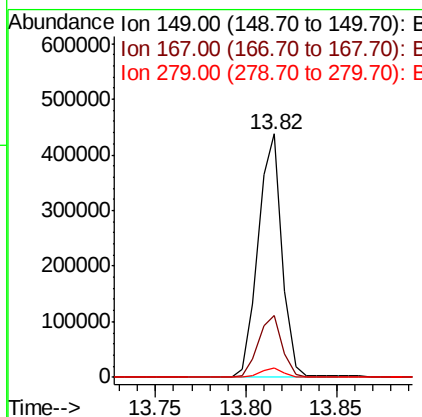
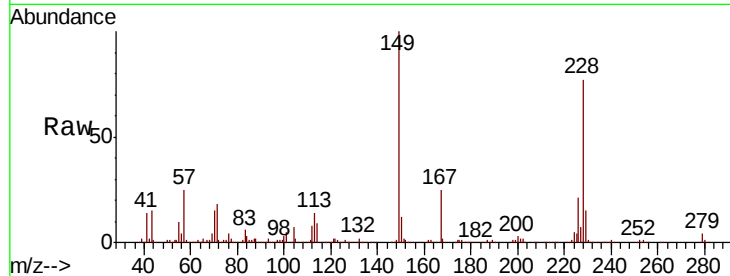
#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 51.630 ng  
 RT: 13.82 min Scan# 1994  
 Delta R.T. -0.00 min  
 Lab File: BF109842.D  
 Acq: 12 Oct 2018 19:07

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HD-01-101118MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 25.4  | 19.8  | 29.8  |
| 279     | 3.8   | 2.7   | 4.1   |

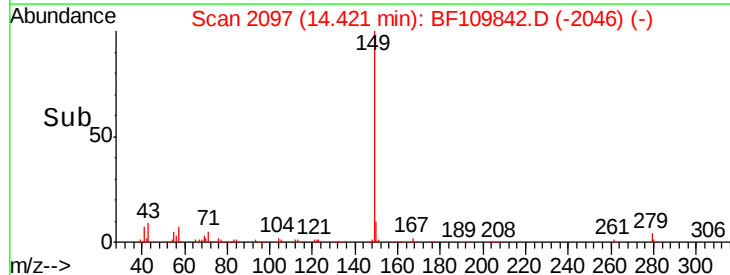
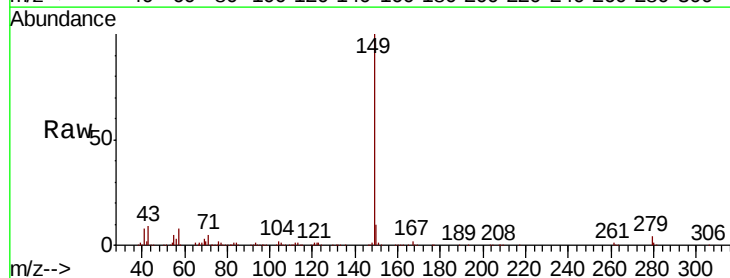
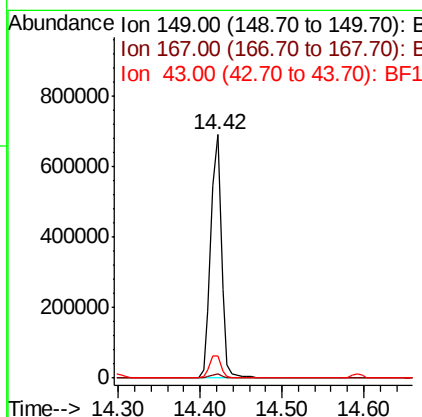
Manual Integrations  
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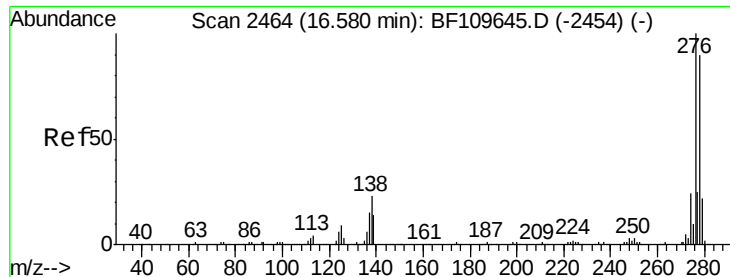
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 10/15/2018 10:28:29 AM



#84  
 Di-n-octyl phthalate  
 Concen: 51.796 ng  
 RT: 14.42 min Scan# 2097  
 Delta R.T. -0.00 min  
 Lab File: BF109842.D  
 Acq: 12 Oct 2018 19:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 1.6   | 1.1   | 1.7   |
| 43      | 9.7   | 7.8   | 11.8  |





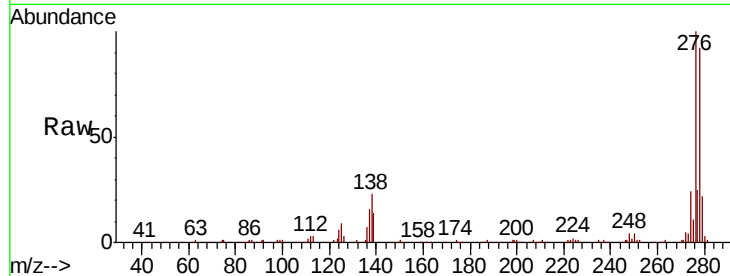
#85  
Indeno(1,2,3-cd)pyrene  
Concen: 63.592 ng  
RT: 16.59 min Scan# 2465  
Delta R.T. 0.01 min  
Lab File: BF109842.D  
Acq: 12 Oct 2018 19:07

Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-101118MSD

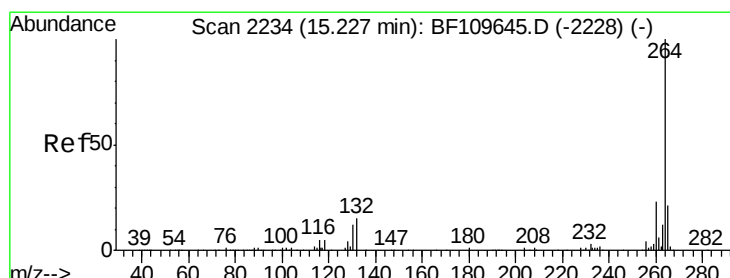
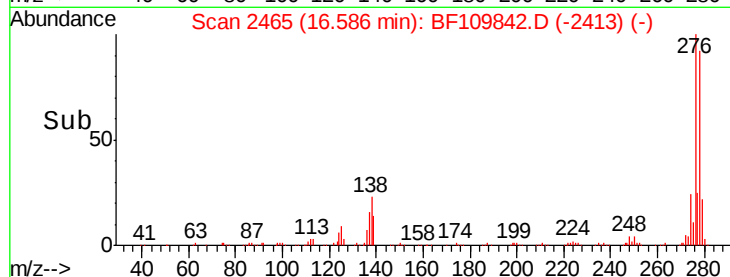
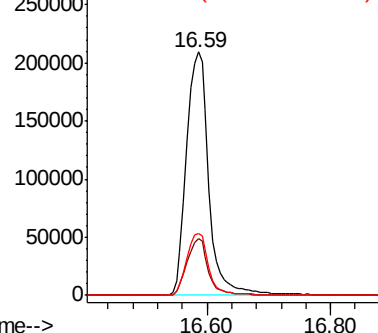
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 22.3  | 18.5  | 27.7  |
| 277     | 25.2  | 20.0  | 30.0  |

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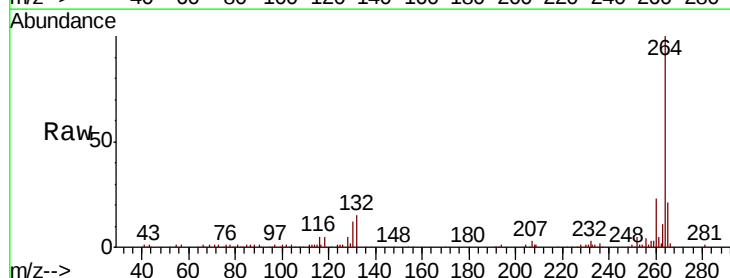


Abundance Ion 276.00 (275.70 to 276.70): E  
Ion 138.00 (137.70 to 138.70): E  
Ion 277.00 (276.70 to 277.70): E

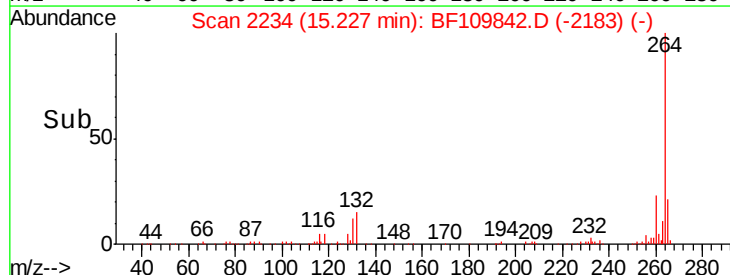
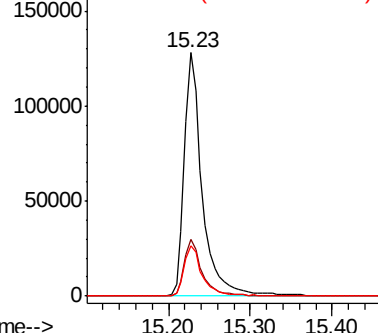


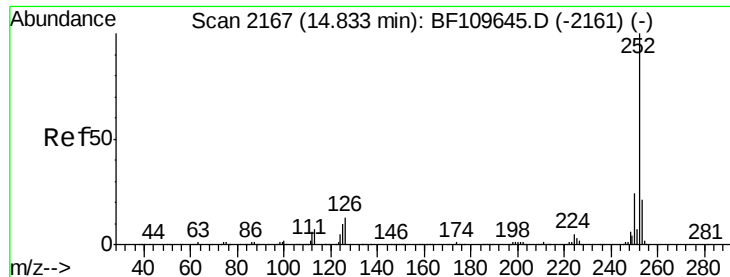
#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.23 min Scan# 2234  
Delta R.T. -0.00 min  
Lab File: BF109842.D  
Acq: 12 Oct 2018 19:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.3  | 18.7  | 28.1  |
| 265     | 20.7  | 16.7  | 25.1  |



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





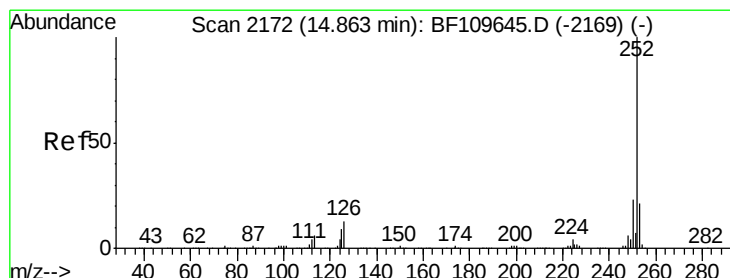
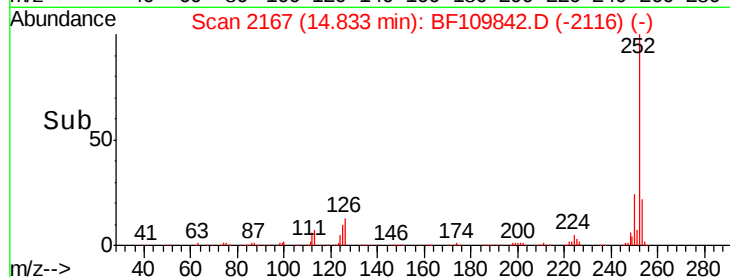
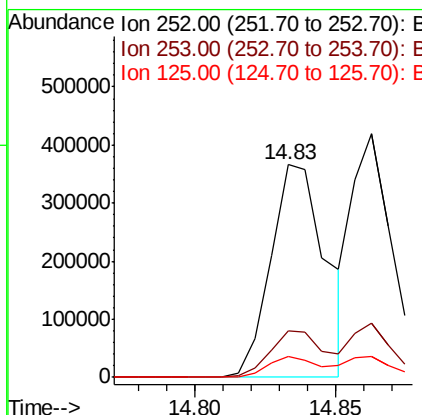
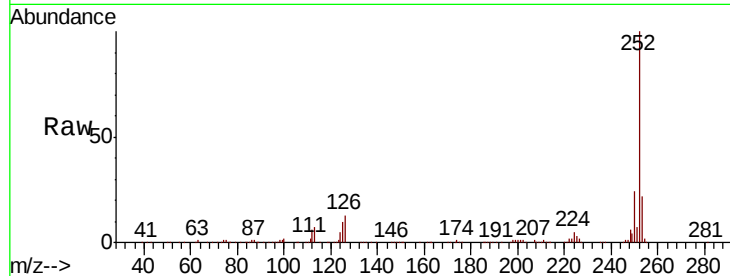
#87  
Benzo(b)fluoranthene  
Concen: 45.398 ng  
RT: 14.83 min Scan# 2167  
Delta R.T. -0.00 min  
Lab File: BF109842.D  
Acq: 12 Oct 2018 19:07

Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-101118MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.8  | 17.2  | 25.8  |
| 125     | 9.6   | 8.2   | 12.4  |

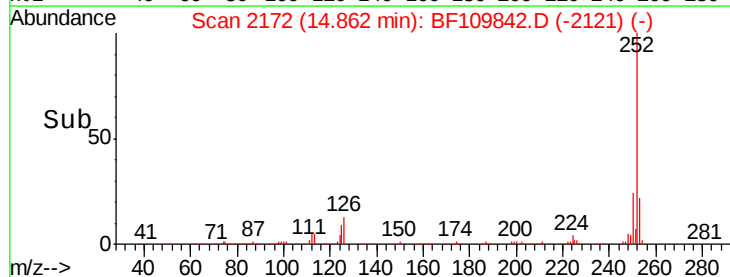
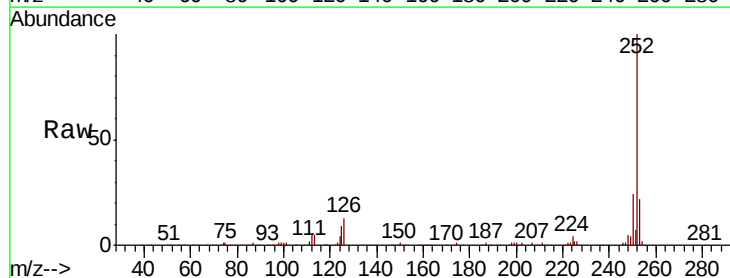
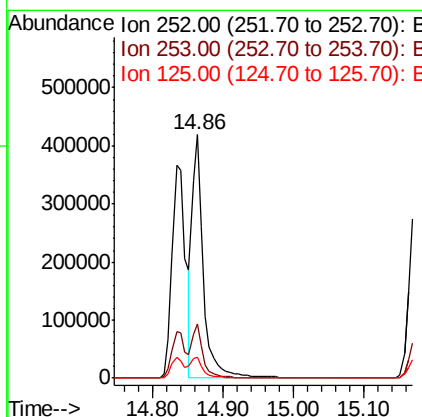
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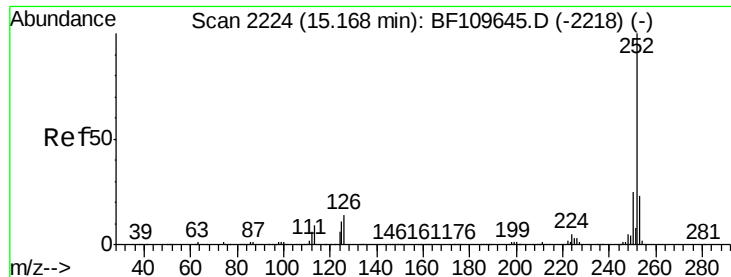
Sohil  
10/15/2018 10:28:29 AM



#88  
Benzo(k)fluoranthene  
Concen: 42.711 ng  
RT: 14.86 min Scan# 2172  
Delta R.T. -0.00 min  
Lab File: BF109842.D  
Acq: 12 Oct 2018 19:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.3  | 17.2  | 25.8  |
| 125     | 8.5   | 7.4   | 11.0  |





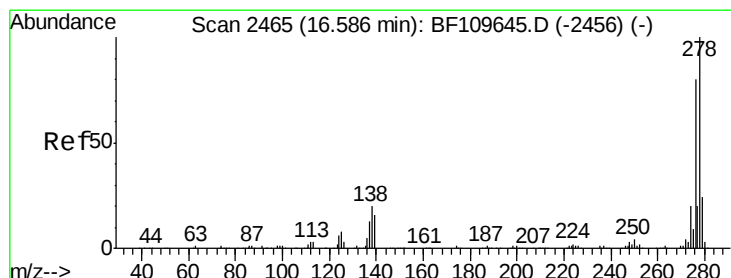
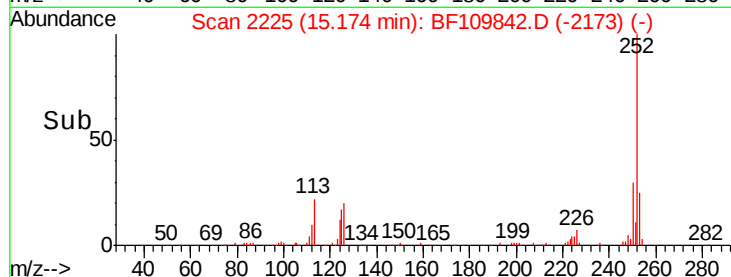
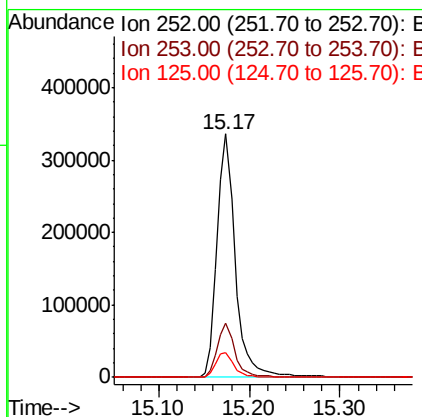
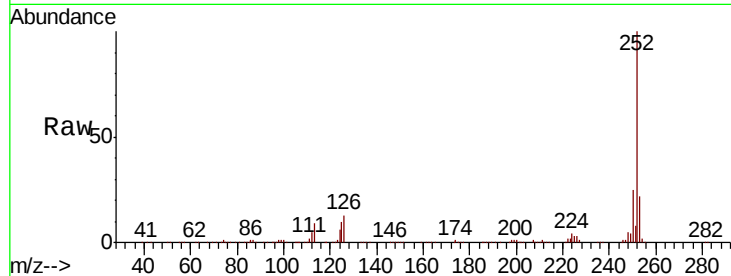
#89  
Benzo(a)pyrene  
Concen: 47.291 ng  
RT: 15.17 min Scan# 2225  
Delta R.T. 0.01 min  
Lab File: BF109842.D  
Acq: 12 Oct 2018 19:07

Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-101118MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.3  | 18.2  | 27.4  |
| 125     | 10.2  | 9.0   | 13.6  |

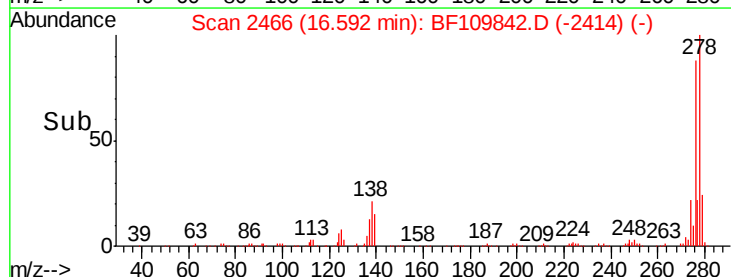
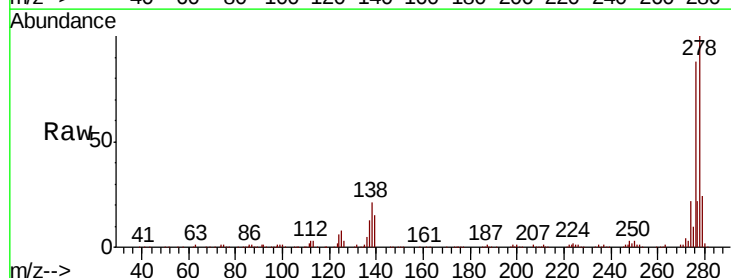
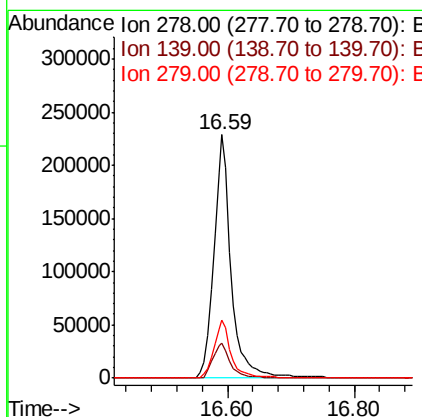
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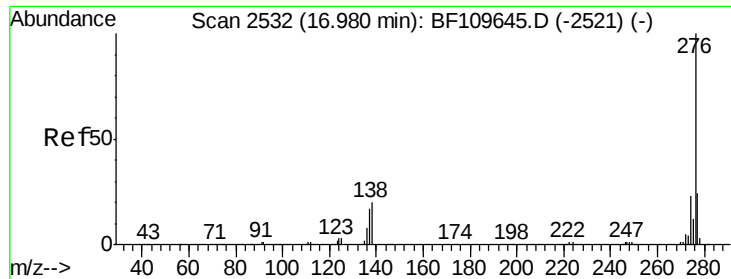
Sohil  
10/15/2018 10:28:29 AM



#90  
Dibenzo(a,h)anthracene  
Concen: 54.607 ng  
RT: 16.59 min Scan# 2466  
Delta R.T. 0.01 min  
Lab File: BF109842.D  
Acq: 12 Oct 2018 19:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 14.5  | 12.7  | 19.1  |
| 279     | 24.1  | 19.0  | 28.4  |





#91  
 Benzo(a,h,i)perylene  
 Concen: 53.607 ng  
 RT: 16.99 min Scan# 2533  
 Delta R.T. 0.01 min  
 Lab File: BF109842.D  
 Acq: 12 Oct 2018 19:07

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HD-01-101118MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 23.4  | 18.8  | 28.2  |
| 138     | 19.1  | 16.0  | 24.0  |

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