

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF031618\  
 Data File : BF103738.D  
 Acq On : 17 Mar 2018 12:31  
 Operator : JU/SJ  
 Sample : J1750-02MS  
 Misc :  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HR-05-031518-AMS

Manual Integrations  
 APPROVED

Sohil  
 3/19/2018 2:03:14 PM

Quant Time: Mar 19 08:32:40 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Mar 15 18:31:53 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.97  | 152  | 155956   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.26  | 136  | 619869   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 10.02 | 164  | 256878   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.50 | 188  | 365297   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 14.16 | 240  | 278065   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.69 | 264  | 235861   | 20.00 | ng    | 0.01     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.61  | 112 | 1195582 | 116.60 | ng | 0.03 |
| 7) Phenol-d6             | 6.60  | 99  | 1378063 | 109.85 | ng | 0.01 |
| 23) Nitrobenzene-d5      | 7.54  | 82  | 980793  | 110.34 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.81 | 330 | 301118  | 136.34 | ng | 0.01 |
| 44) 2-Fluorobiphenyl     | 9.33  | 172 | 1577118 | 97.94  | ng | 0.00 |
| 78) Terphenyl-d14        | 13.09 | 244 | 1152681 | 96.22  | ng | 0.00 |

## Target Compounds

|                                |      |     |         |        |    | Qvalue |
|--------------------------------|------|-----|---------|--------|----|--------|
| 2) 1,4-Dioxane                 | 3.02 | 88  | 181050  | 35.860 | ng | # 78   |
| 3) Pyridine                    | 3.71 | 79  | 353748  | 25.473 | ng | 89     |
| 4) n-Nitrosodimethylamine      | 3.67 | 42  | 215293  | 42.046 | ng | 86     |
| 6) Aniline                     | 6.64 | 93  | 144071  | 8.043  | ng | 98     |
| 8) 2-Chlorophenol              | 6.76 | 128 | 477378  | 44.444 | ng | 95     |
| 9) Benzaldehyde                | 6.53 | 77  | 165090  | 20.032 | ng | 97     |
| 10) Phenol                     | 6.61 | 94  | 509623  | 38.232 | ng | 99     |
| 11) bis(2-Chloroethyl)ether    | 6.71 | 93  | 481265  | 43.735 | ng | 96     |
| 12) 1,3-Dichlorobenzene        | 6.92 | 146 | 500939  | 40.948 | ng | 99     |
| 13) 1,4-Dichlorobenzene        | 6.99 | 146 | 503481  | 40.956 | ng | 100    |
| 14) 1,2-Dichlorobenzene        | 7.15 | 146 | 467563  | 40.988 | ng | 100    |
| 15) Benzyl Alcohol             | 7.11 | 79  | 416104  | 42.811 | ng | 98     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.24 | 45  | 670422  | 42.835 | ng | 96     |
| 17) 2-Methylphenol             | 7.22 | 107 | 401723  | 41.998 | ng | 98     |
| 18) Hexachloroethane           | 7.49 | 117 | 153240  | 35.438 | ng | 98     |
| 19) n-Nitroso-di-n-propylamine | 7.39 | 70  | 329589  | 40.997 | ng | 92     |
| 20) 3+4-Methylphenols          | 7.37 | 107 | 481145  | 39.636 | ng | 94     |
| 22) Acetophenone               | 7.38 | 105 | 651992  | 40.926 | ng | # 95   |
| 24) Nitrobenzene               | 7.56 | 77  | 511502  | 49.015 | ng | 98     |
| 25) Isophorone                 | 7.79 | 82  | 964701  | 46.882 | ng | 99     |
| 26) 2-Nitrophenol              | 7.87 | 139 | 208996  | 51.726 | ng | 98     |
| 27) 2,4-Dimethylphenol         | 7.90 | 122 | 449805  | 51.026 | ng | 99     |
| 28) bis(2-Chloroethoxy)methane | 8.00 | 93  | 610960  | 49.033 | ng | 100    |
| 29) 2,4-Dichlorophenol         | 8.11 | 162 | 390957  | 48.748 | ng | 98     |
| 30) 1,2,4-Trichlorobenzene     | 8.19 | 180 | 398755  | 42.868 | ng | 98     |
| 31) Naphthalene                | 8.28 | 128 | 1442376 | 46.064 | ng | 100    |
| 32) Benzoic acid               | 8.01 | 122 | 250248  | 41.836 | ng | 99     |
| 33) 4-Chloroaniline            | 8.32 | 127 | 72746   | 5.538  | ng | 98     |
| 34) Hexachlorobutadiene        | 8.39 | 225 | 211713  | 41.512 | ng | 99     |
| 35) Caprolactam                | 8.69 | 113 | 95998m  | 34.762 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 8.80 | 107 | 421192  | 47.639 | ng | 98     |
| 37) 2-Methylnaphthalene        | 8.97 | 142 | 889616  | 44.801 | ng | 98     |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.13 | 216 | 354748  | 48.407 | ng | 99     |
| 40) Hexachlorocyclopentadiene  | 9.12 | 237 | 110029  | 29.097 | ng | 98     |

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Manual Integrations  
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.24  | 196  | 253362   | 54.051 | ng    | 99       |
| 43) 2,4,5-Trichlorophenol      | 9.29  | 196  | 263873   | 49.875 | ng    | 98       |
| 45) 1,1'-Biphenyl              | 9.43  | 154  | 999039   | 46.641 | ng    | 100      |
| 46) 2-Chloronaphthalene        | 9.46  | 162  | 784312   | 46.101 | ng    | 98       |
| 47) 2-Nitroaniline             | 9.56  | 65   | 251534   | 55.308 | ng    | 93       |
| 48) Acenaphthylene             | 9.88  | 152  | 1153395  | 43.719 | ng    | 100      |
| 49) Dimethylphthalate          | 9.73  | 163  | 978550   | 49.930 | ng    | 99       |
| 50) 2,6-Dinitrotoluene         | 9.79  | 165  | 193311   | 50.741 | ng    | 94       |
| 51) Acenaphthene               | 10.05 | 154  | 692178   | 44.187 | ng    | 100      |
| 52) 3-Nitroaniline             | 9.96  | 138  | 112373   | 26.580 | ng    | 100      |
| 53) 2,4-Dinitrophenol          | 10.07 | 184  | 38025    | 47.664 | ng    | # 19     |
| 54) Dibenzofuran               | 10.22 | 168  | 1026176  | 45.868 | ng    | 99       |
| 55) 4-Nitrophenol              | 10.12 | 139  | 290697   | 80.953 | ng    | 91       |
| 56) 2,4-Dinitrotoluene         | 10.20 | 165  | 237247   | 49.214 | ng    | 97       |
| 57) Fluorene                   | 10.57 | 166  | 748772   | 43.131 | ng    | 100      |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.33 | 232  | 188256   | 50.217 | ng    | 98       |
| 59) Diethylphthalate           | 10.43 | 149  | 914609   | 47.019 | ng    | 99       |
| 60) 4-Chlorophenyl-phenylether | 10.55 | 204  | 362624   | 45.705 | ng    | 100      |
| 61) 4-Nitroaniline             | 10.58 | 138  | 192884   | 44.411 | ng    | 98       |
| 62) Azobenzene                 | 10.72 | 77   | 840158   | 42.483 | ng    | 95       |
| 64) 4,6-Dinitro-2-methylphenol | 10.60 | 198  | 27751    | 27.793 | ng    | 96       |
| 65) n-Nitrosodiphenylamine     | 10.67 | 169  | 694218   | 55.832 | ng    | 98       |
| 66) 4-Bromophenyl-phenylether  | 11.04 | 248  | 206611   | 55.087 | ng    | 95       |
| 67) Hexachlorobenzene          | 11.12 | 284  | 207217   | 48.407 | ng    | # 91     |
| 68) Atrazine                   | 11.20 | 200  | 190382   | 49.497 | ng    | 99       |
| 69) Pentachlorophenol          | 11.30 | 266  | 211802   | 86.061 | ng    | 95       |
| 70) Phenanthrene               | 11.53 | 178  | 946380   | 47.360 | ng    | 99       |
| 71) Anthracene                 | 11.59 | 178  | 962741   | 47.436 | ng    | 100      |
| 72) Carbazole                  | 11.74 | 167  | 882260   | 44.725 | ng    | 99       |
| 73) Di-n-butylphthalate        | 12.06 | 149  | 1229842  | 51.959 | ng    | 100      |
| 74) Fluoranthene               | 12.73 | 202  | 886083   | 43.042 | ng    | 97       |
| 76) Benzidine                  | 12.84 | 184  | 174991   | 14.755 | ng    | 98       |
| 77) Pyrene                     | 12.96 | 202  | 892618   | 43.711 | ng    | 100      |
| 79) Butylbenzylphthalate       | 13.56 | 149  | 445502   | 49.240 | ng    | 96       |
| 80) Benzo(a)anthracene         | 14.15 | 228  | 848131   | 48.185 | ng    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 14.10 | 252  | 239454   | 40.671 | ng    | 99       |
| 82) Chrysene                   | 14.19 | 228  | 787721   | 46.948 | ng    | 100      |
| 83) Bis(2-ethylhexyl)phthalate | 14.12 | 149  | 632472   | 48.933 | ng    | 99       |
| 84) Di-n-octyl phthalate       | 14.74 | 149  | 1089983  | 57.966 | ng    | 97       |
| 85) Indeno(1,2,3-cd)pyrene     | 17.26 | 276  | 638818   | 43.597 | ng    | 98       |
| 87) Benzo(b)fluoranthene       | 15.24 | 252  | 734772   | 49.310 | ng    | 99       |
| 88) Benzo(k)fluoranthene       | 15.27 | 252  | 712404   | 49.735 | ng    | 100      |
| 89) Benzo(a)pyrene             | 15.63 | 252  | 662328   | 49.005 | ng    | 97       |
| 90) Dibenzo(a,h)anthracene     | 17.29 | 278  | 548418   | 46.861 | ng    | 99       |
| 91) Benzo(g,h,i)perylene       | 17.74 | 276  | 515766   | 45.301 | ng    | 97       |

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

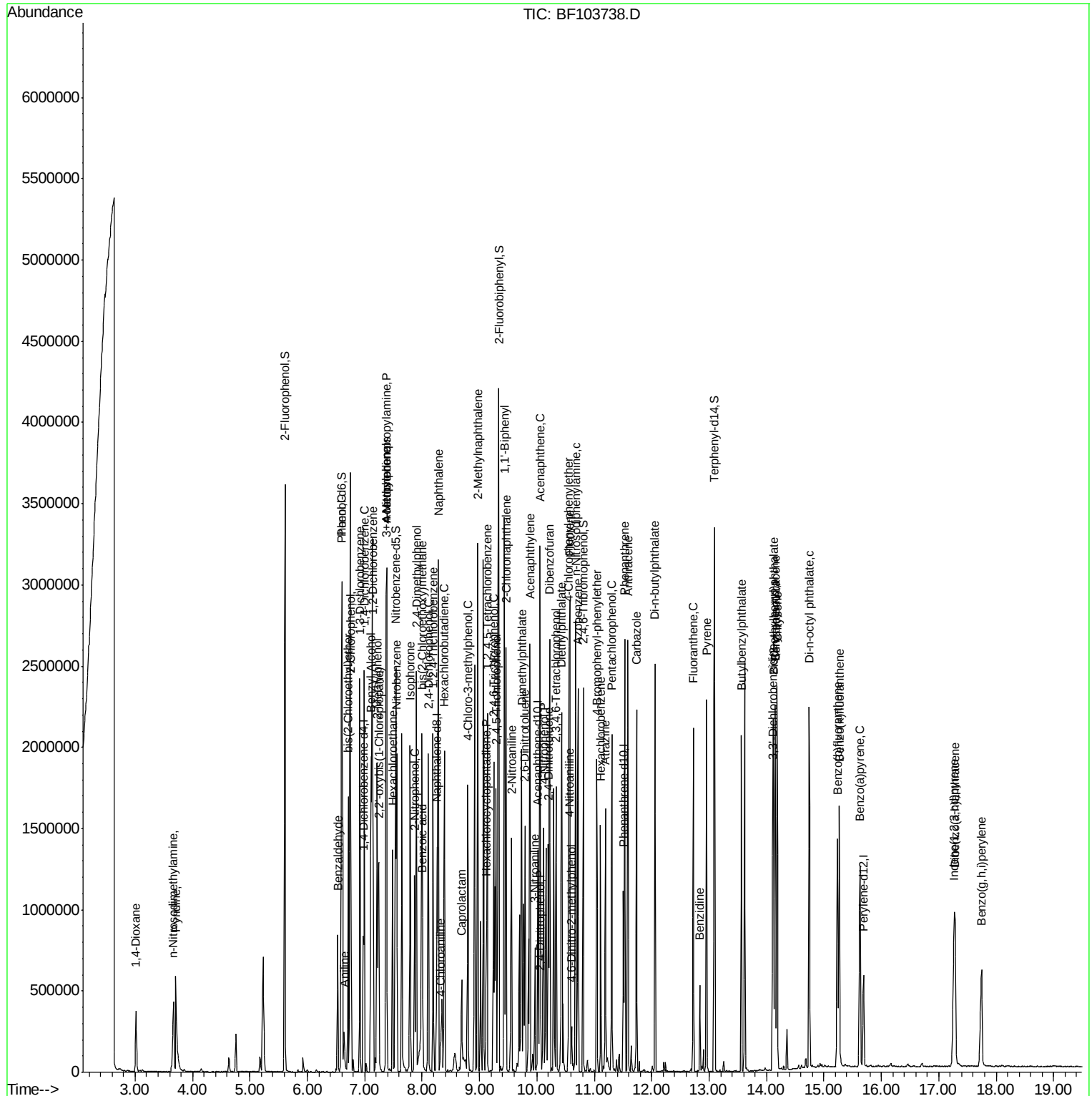
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF031618\  
Data File : BF103738.D  
Acq On : 17 Mar 2018 12:31  
Operator : JU/SJ  
Sample : J1750-02MS  
Misc :  
ALS Vial : 39 Sample Multiplier: 1

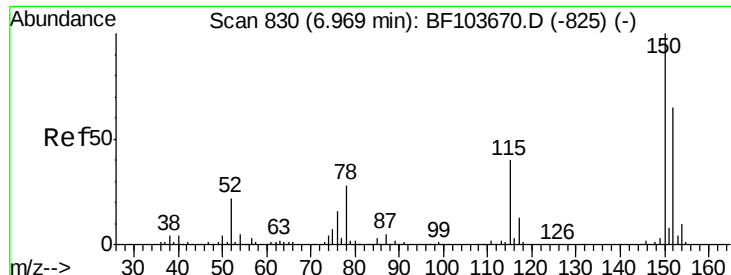
Instrument :  
BNA\_F  
ClientSampleId :  
HR-05-031518-AMS

Manual Integrations  
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3/19/2018 2:03:14 PM

Quant Time: Mar 19 08:32:40 2018  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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#1

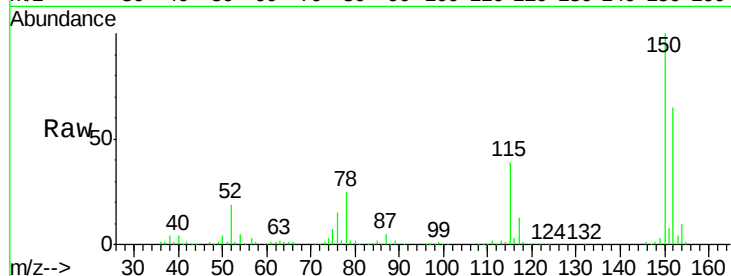
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.97 min Scan# 831  
Delta R.T. 0.01 min  
Lab File: BF103738.D  
Acq: 17 Mar 2018 12:31

Instrument :  
BNA\_F  
ClientSampleId :  
HR-05-031518-AMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 154.0 | 124.6 | 186.8 |
| 115     | 60.7  | 50.1  | 75.1  |

Manual Integrations  
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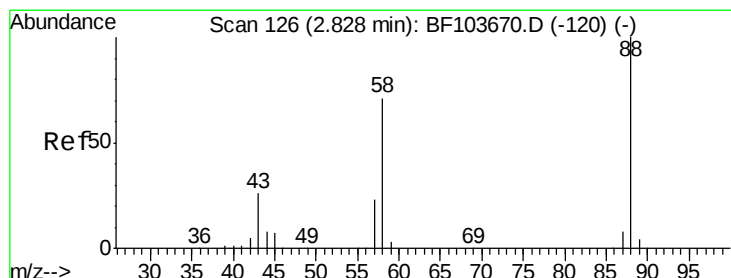
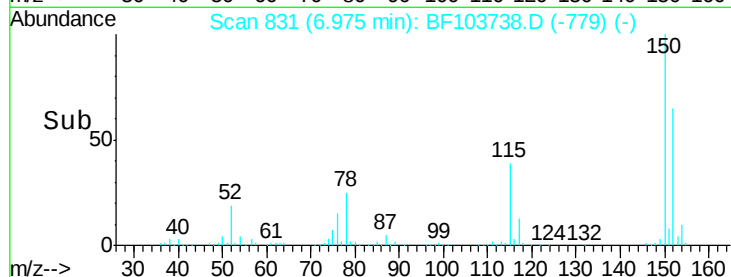
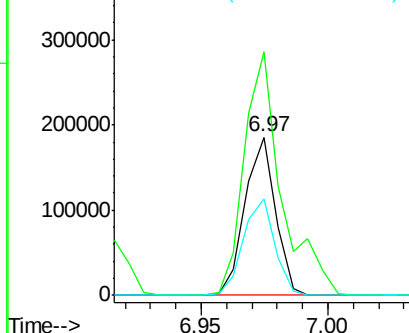


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

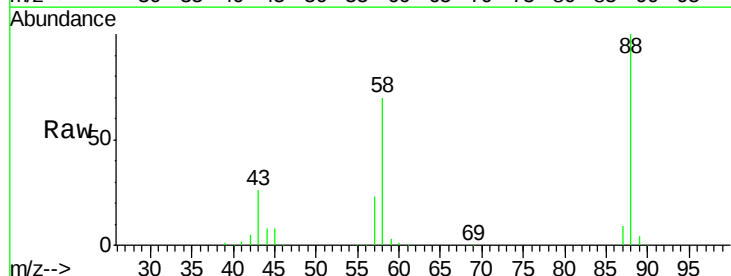
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane  
Concen: 35.860 ng  
RT: 3.02 min Scan# 158  
Delta R.T. 0.19 min  
Lab File: BF103738.D  
Acq: 17 Mar 2018 12:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 71.4  | 62.6  | 93.8  |
| 43      | 0.0   | 24.6  | 37.0  |

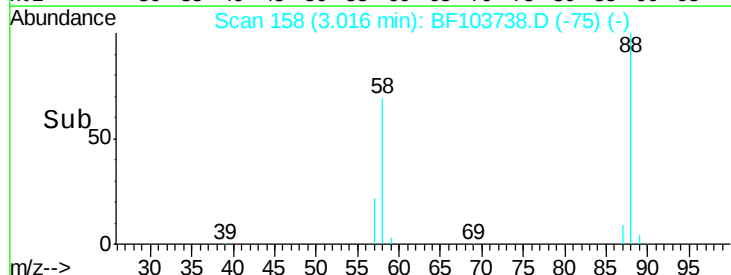
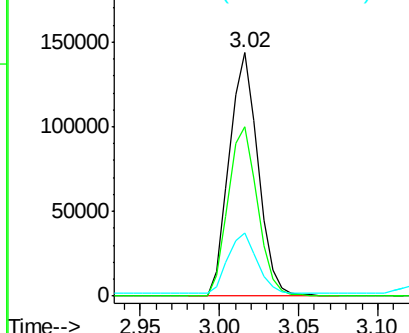


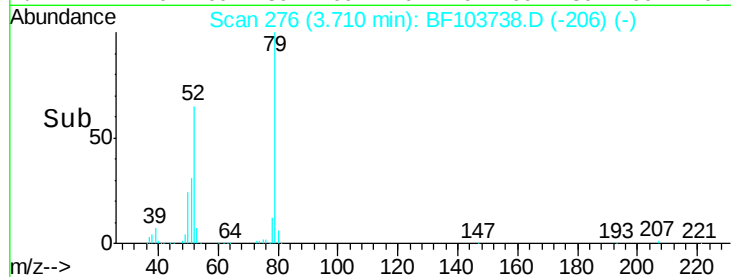
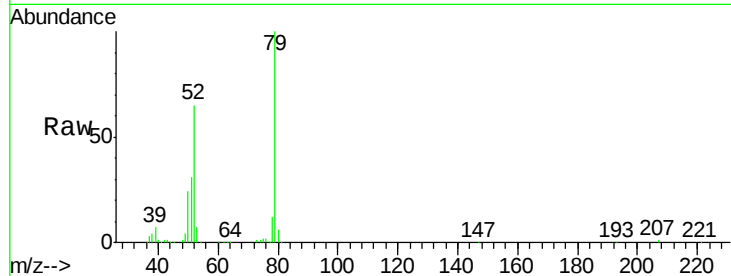
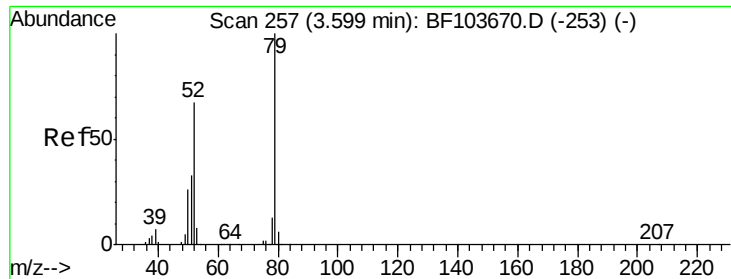
Abundance

Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





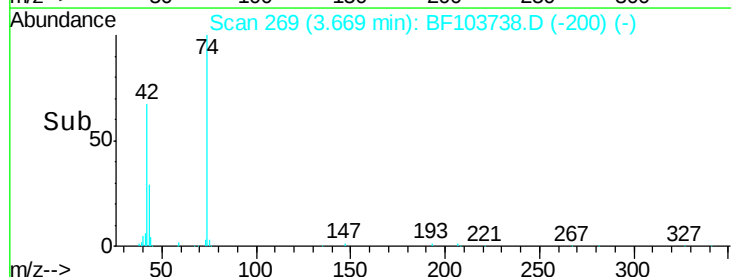
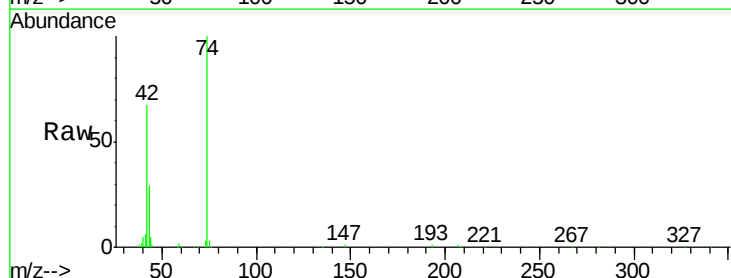
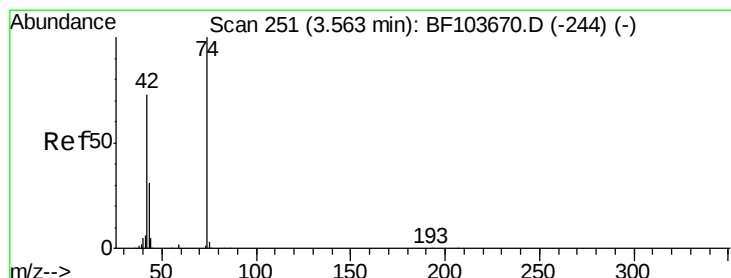
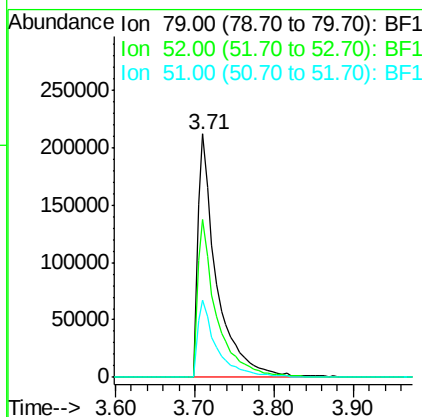
#3  
Pvridine  
Concen: 25.473 ng  
RT: 3.71 min Scan# 276  
Delta R.T. 0.11 min  
Lab File: BF103738.D  
Acq: 17 Mar 2018 12:31

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 52      | 64.9  | 59.8  | 89.6  |
| 51      | 31.5  | 29.8  | 44.8  |

Instrument :  
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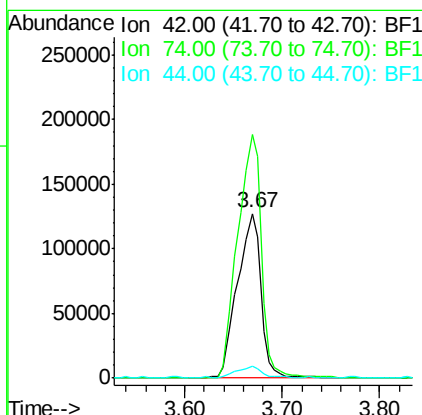
Manual Integrations  
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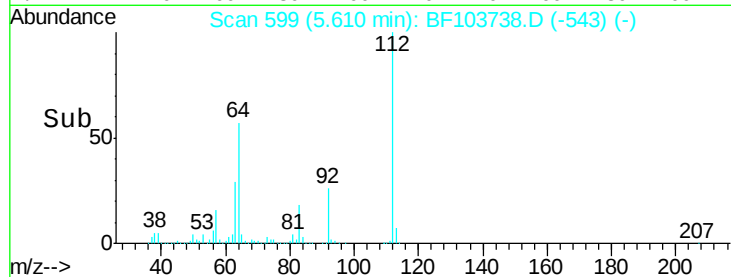
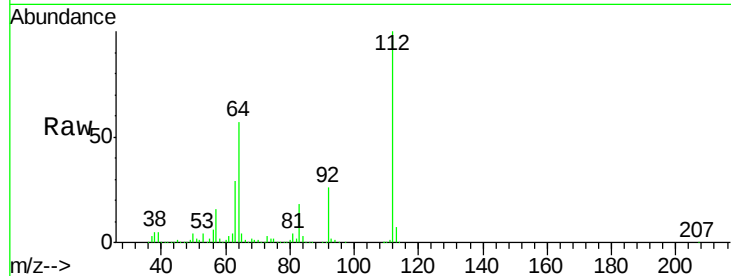
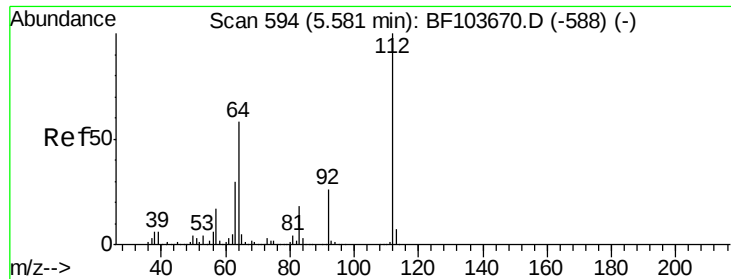
Sohil  
3/19/2018 2:03:14 PM



#4  
n-Nitrosodimethylamine  
Concen: 42.046 ng  
RT: 3.67 min Scan# 269  
Delta R.T. 0.11 min  
Lab File: BF103738.D  
Acq: 17 Mar 2018 12:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 74      | 148.2 | 104.9 | 157.3 |
| 44      | 6.9   | 6.9   | 10.3  |





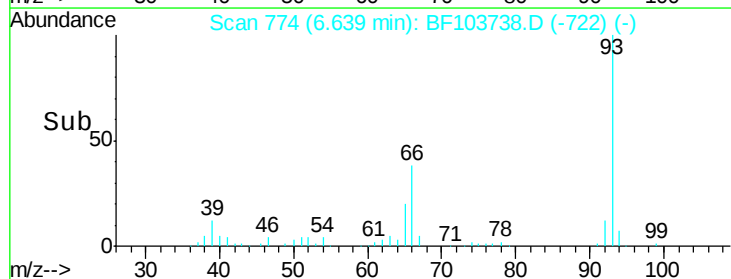
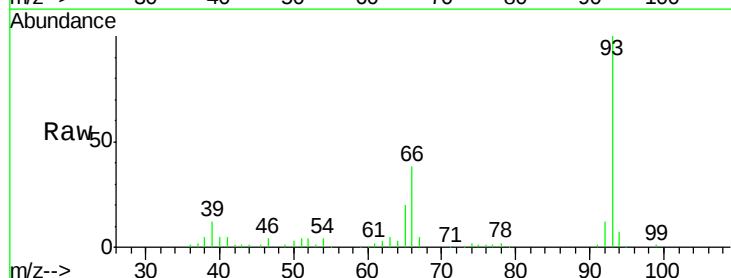
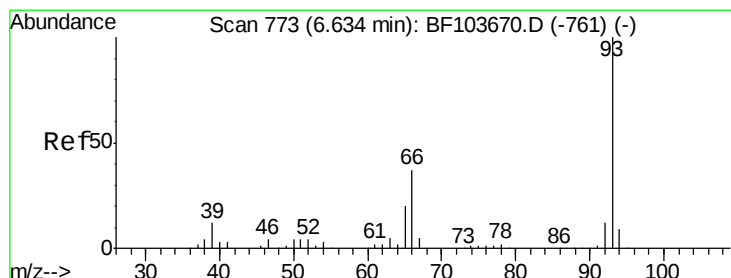
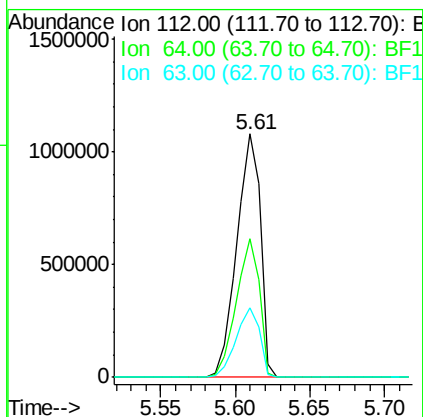
#5  
2-Fluorophenol  
Concen: 116.602 ng  
RT: 5.61 min Scan# 599  
Delta R.T. 0.03 min  
Lab File: BF103738.D  
Acq: 17 Mar 2018 12:31

| Tot Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 112     | 100   | 1195582 |       |       |
| 64      | 56.9  |         | 47.9  | 71.9  |
| 63      | 28.8  |         | 23.7  | 35.5  |

Instrument :  
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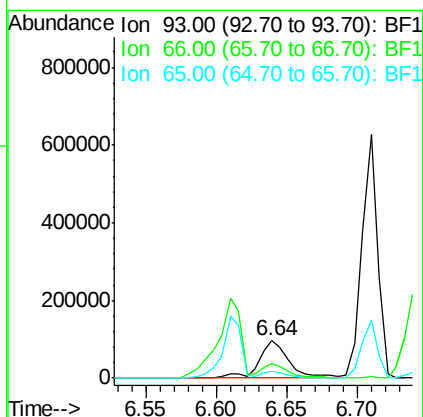
Manual Integrations  
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3/19/2018 2:03:14 PM



#6  
Aniline  
Concen: 8.043 ng  
RT: 6.64 min Scan# 774  
Delta R.T. 0.01 min  
Lab File: BF103738.D  
Acq: 17 Mar 2018 12:31

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 93      | 100   | 144071 |       |       |
| 66      | 38.4  |        | 32.2  | 48.2  |
| 65      | 19.9  |        | 16.4  | 24.6  |





#7

Phenol-d6

Concen: 109.854 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.01 min

Lab File: BF103738.D

Acq: 17 Mar 2018 12:31

Instrument :

BNA\_F

ClientSampleId :

HR-05-031518-AMS

Tot Ion: 99 Resp: 1378063

Ion Ratio Lower Upper

99 100

42 16.5 14.5 21.7

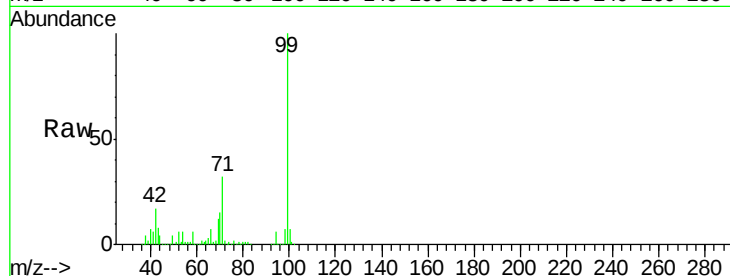
71 32.3 25.4 38.0

Manual Integrations

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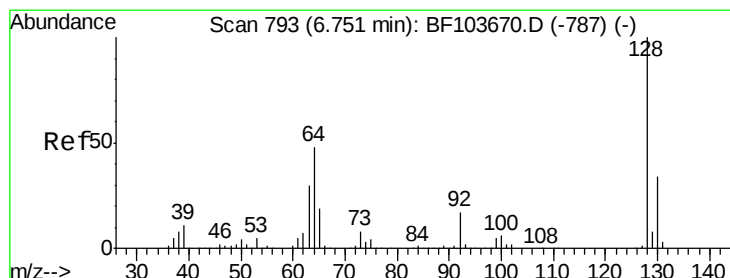
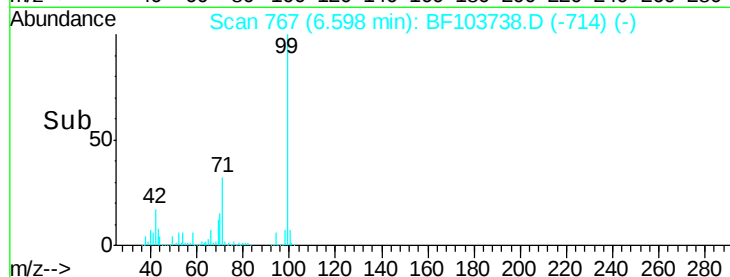
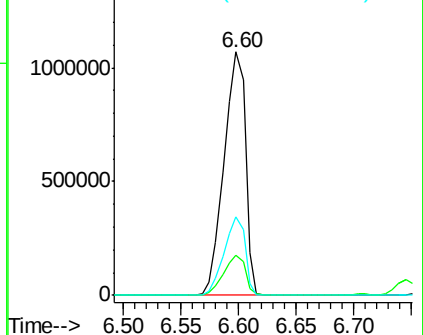
3/19/2018 2:03:14 PM



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: 44.444 ng

RT: 6.76 min Scan# 795

Delta R.T. 0.01 min

Lab File: BF103738.D

Acq: 17 Mar 2018 12:31

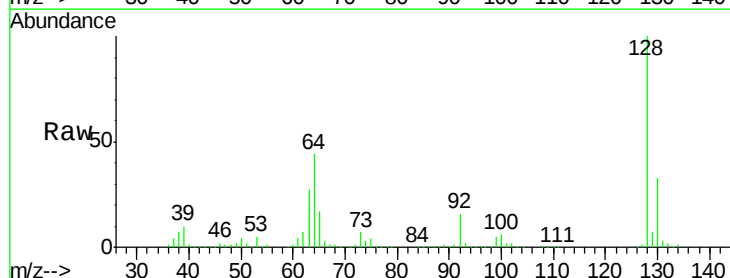
Tgt Ion: 128 Resp: 477378

Ion Ratio Lower Upper

128 100

130 33.4 13.0 53.0

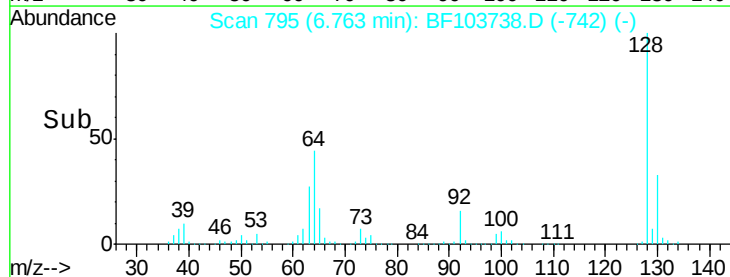
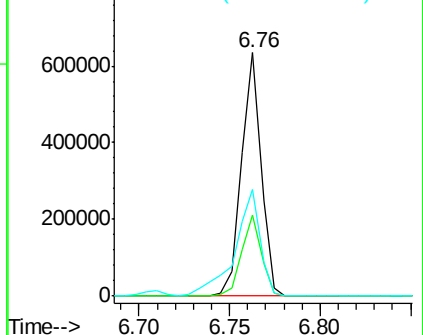
64 43.8 29.4 69.4

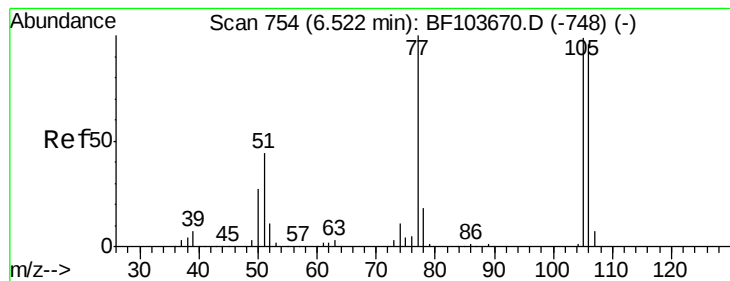


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 20.032 ng

RT: 6.53 min Scan# 755

Delta R.T. 0.01 min

Lab File: BF103738.D

Acq: 17 Mar 2018 12:31

Instrument :

BNA\_F

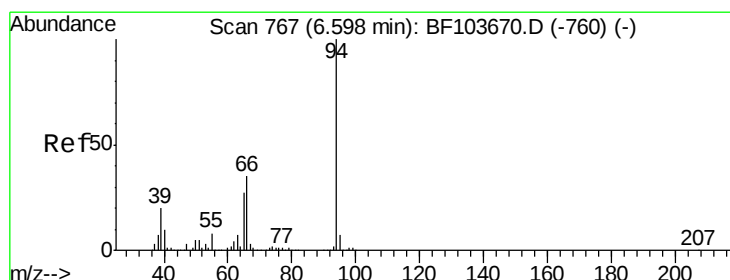
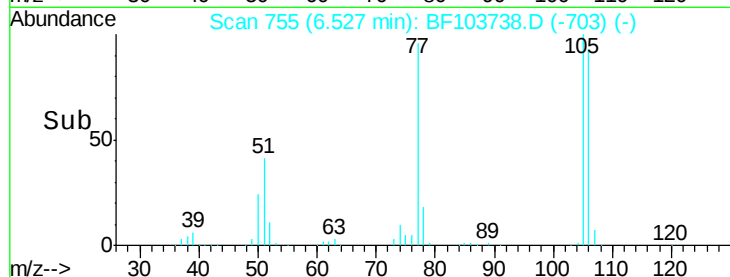
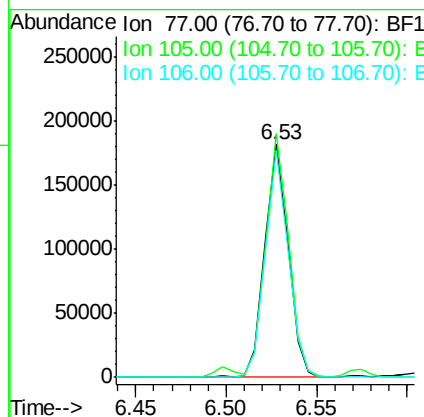
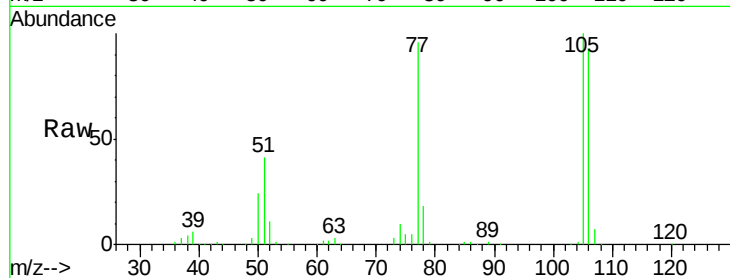
ClientSampleId :

HR-05-031518-AMS

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 77    | Resp: | 165090 |
| Ion      | Ratio | Lower | Upper  |
| 77       | 100   |       |        |
| 105      | 104.5 | 81.1  | 121.1  |
| 106      | 97.4  | 74.5  | 114.5  |

Manual Integrations  
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#10

Phenol

Concen: 38.232 ng

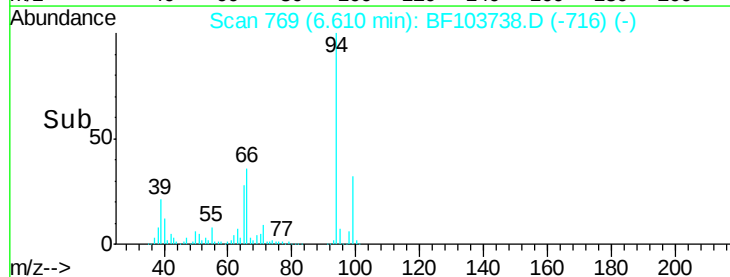
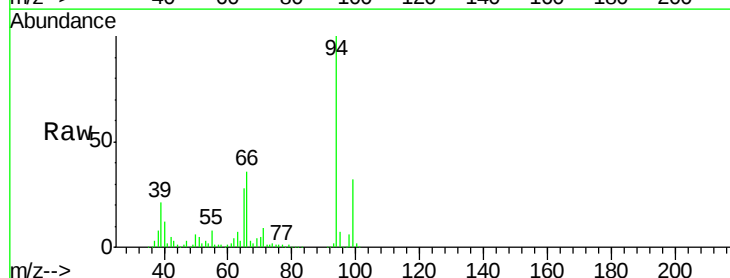
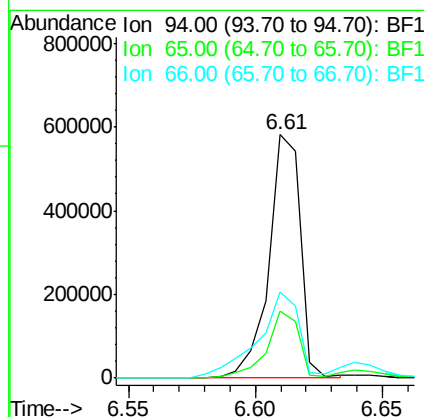
RT: 6.61 min Scan# 769

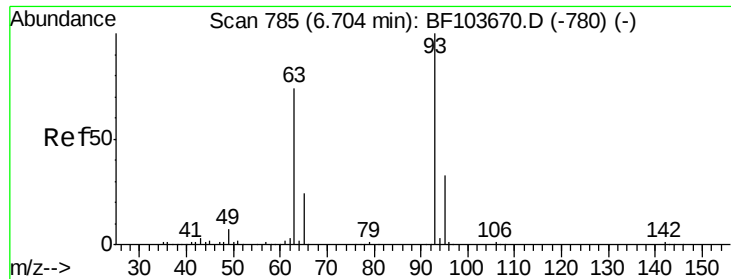
Delta R.T. 0.01 min

Lab File: BF103738.D

Acq: 17 Mar 2018 12:31

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 94    | Resp: | 509623 |
| Ion      | Ratio | Lower | Upper  |
| 94       | 100   |       |        |
| 65       | 27.6  | 7.9   | 47.9   |
| 66       | 35.5  | 16.2  | 56.2   |





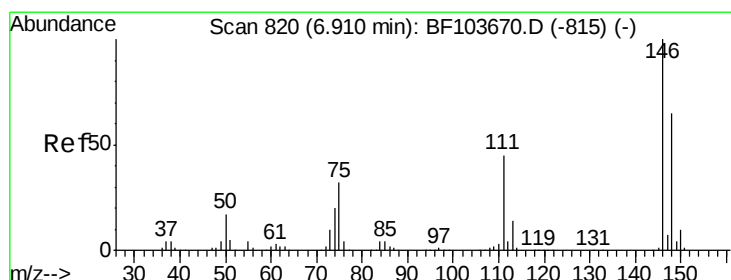
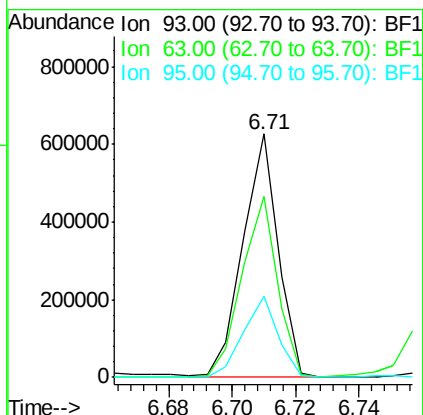
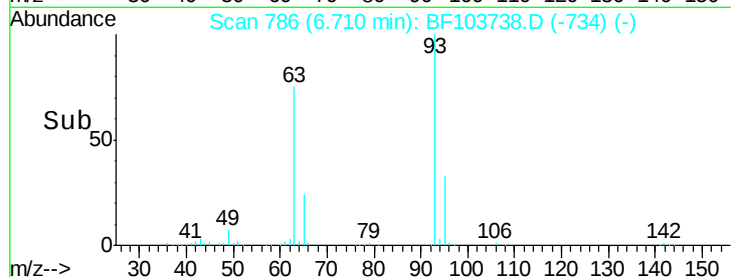
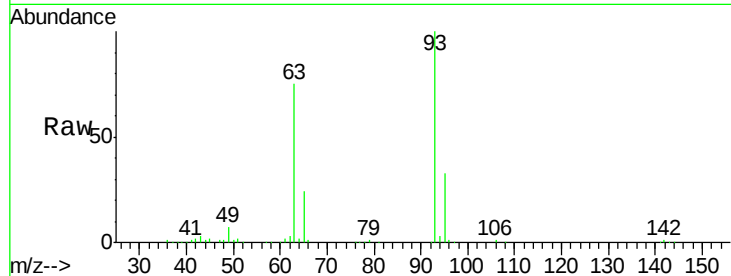
#11  
bis(2-Chloroethyl)ether  
Concen: 43.735 ng  
RT: 6.71 min Scan# 786  
Delta R.T. 0.01 min  
Lab File: BF103738.D  
Acq: 17 Mar 2018 12:31

Instrument :  
BNA\_F  
ClientSampleId :  
HR-05-031518-AMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 63      | 74.6  | 58.6  | 98.6  |
| 95      | 33.2  | 11.8  | 51.8  |

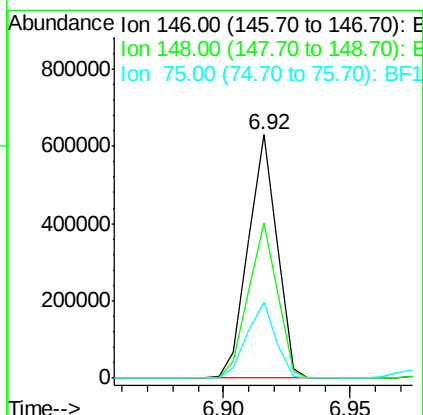
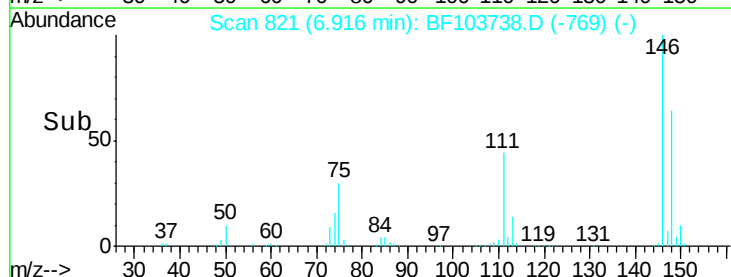
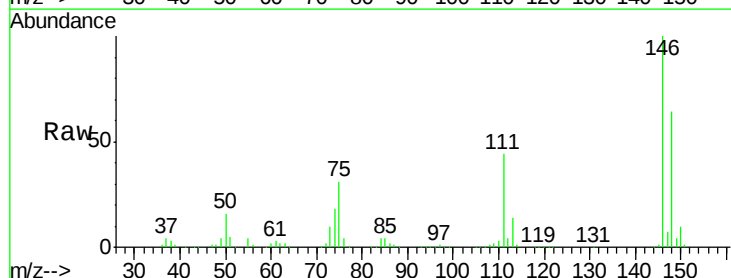
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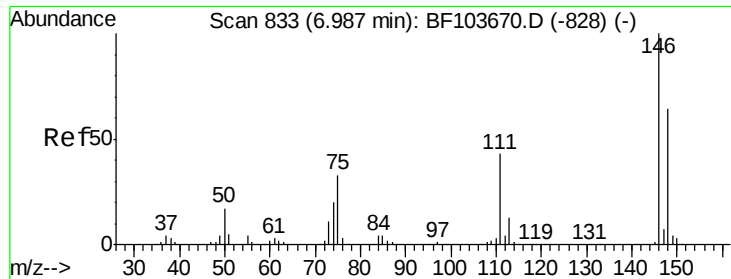
Sohil  
3/19/2018 2:03:14 PM



#12  
1,3-Dichlorobenzene  
Concen: 40.948 ng  
RT: 6.92 min Scan# 821  
Delta R.T. 0.01 min  
Lab File: BF103738.D  
Acq: 17 Mar 2018 12:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 64.0  | 51.8  | 77.8  |
| 75      | 31.0  | 24.2  | 36.4  |





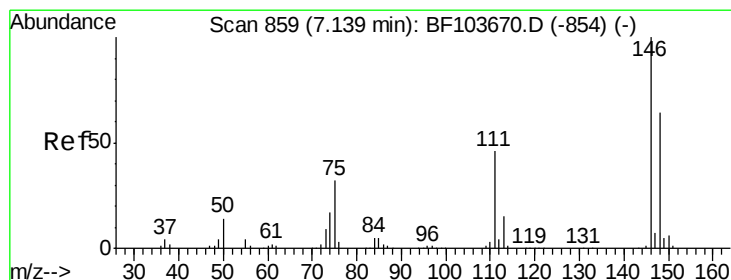
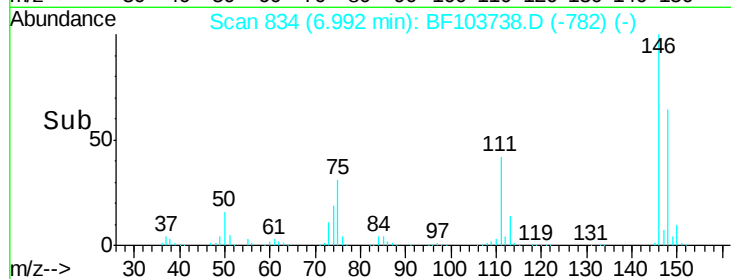
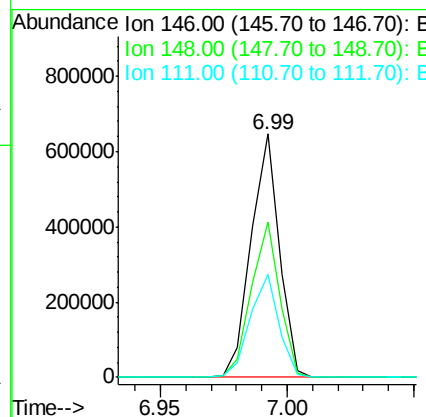
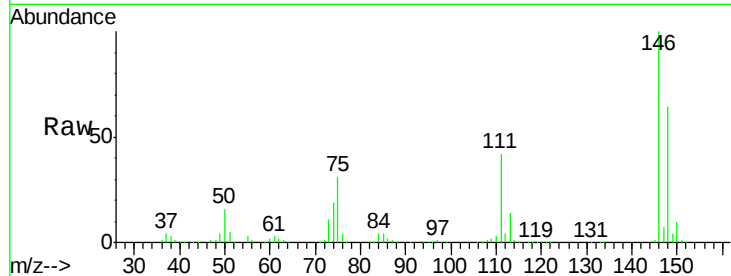
#13  
 1,4-Dichlorobenzene  
 Concen: 40.956 ng  
 RT: 6.99 min Scan# 834  
 Delta R.T. 0.01 min  
 Lab File: BF103738.D  
 Acq: 17 Mar 2018 12:31

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HR-05-031518-AMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 63.8  | 50.8  | 76.2  |
| 111     | 42.5  | 34.2  | 51.2  |

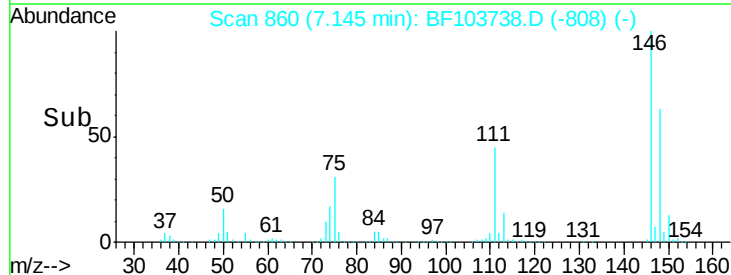
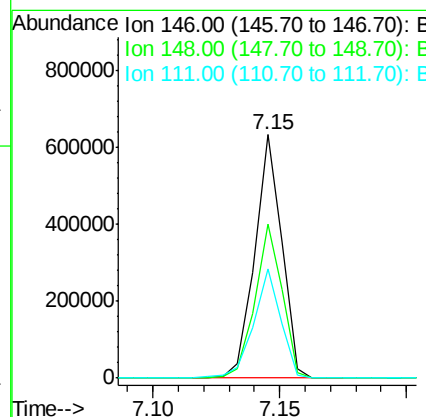
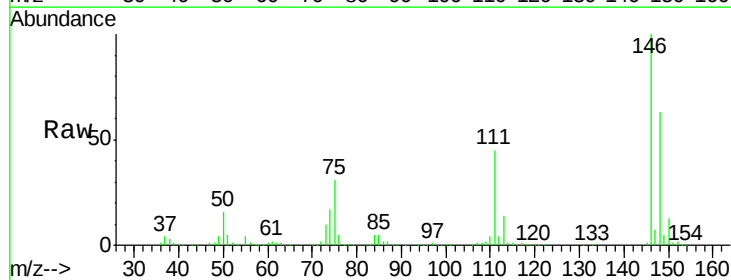
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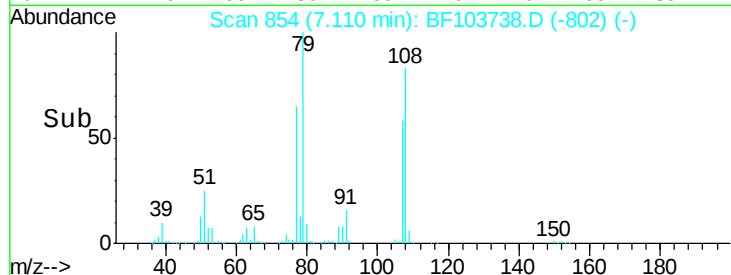
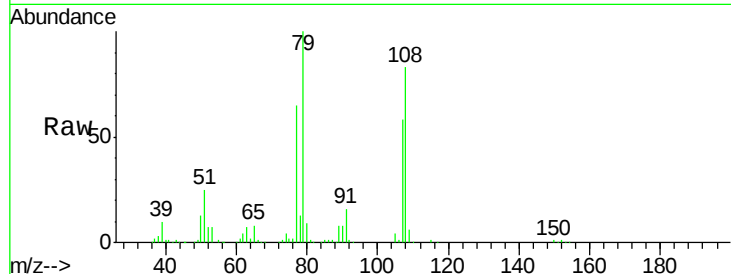
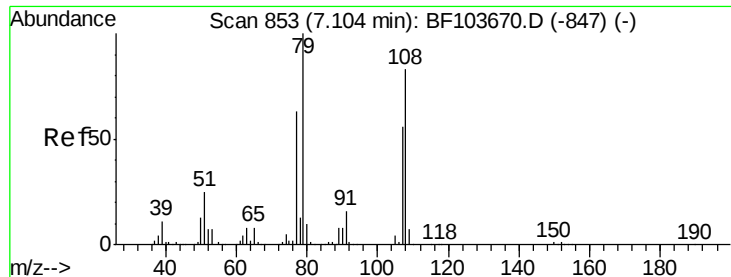
Sohil  
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#14  
 1,2-Dichlorobenzene  
 Concen: 40.988 ng  
 RT: 7.15 min Scan# 860  
 Delta R.T. 0.01 min  
 Lab File: BF103738.D  
 Acq: 17 Mar 2018 12:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 63.4  | 50.6  | 75.8  |
| 111     | 44.8  | 36.0  | 54.0  |





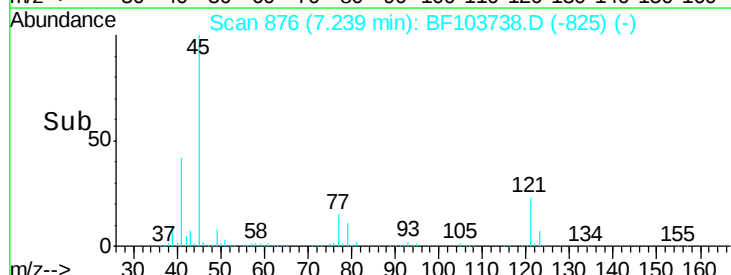
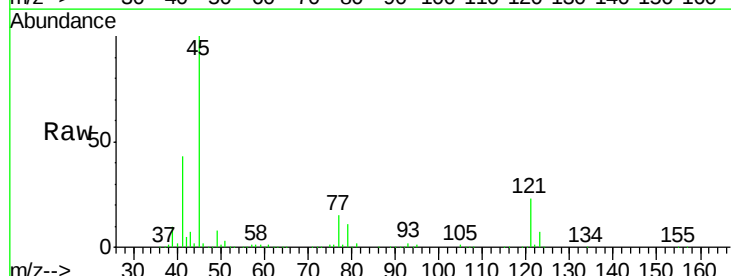
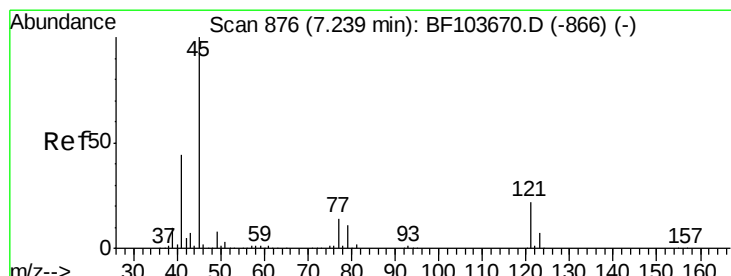
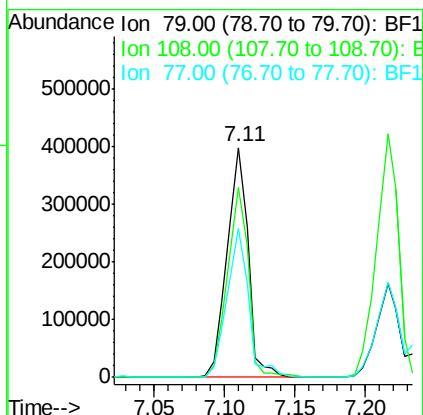
#15  
Benzyl Alcohol  
Concen: 42.811 ng  
RT: 7.11 min Scan# 854  
Delta R.T. 0.01 min  
Lab File: BF103738.D  
Acq: 17 Mar 2018 12:31

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 108     | 82.7  | 65.1  | 97.7  |
| 77      | 64.8  | 50.6  | 75.8  |

Instrument :  
BNA\_F  
ClientSampleId :  
HR-05-031518-AMS

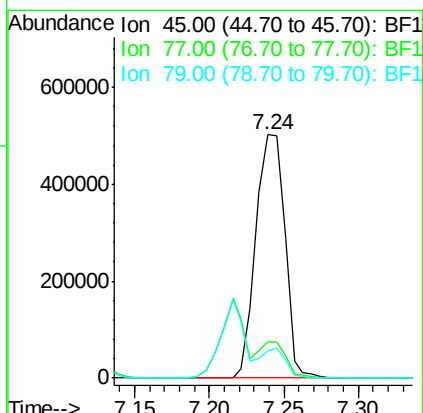
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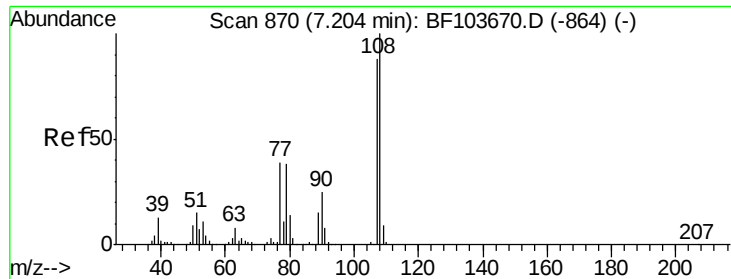
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#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 42.835 ng  
RT: 7.24 min Scan# 876  
Delta R.T. -0.00 min  
Lab File: BF103738.D  
Acq: 17 Mar 2018 12:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 77      | 14.9  | 0.0   | 32.9  |
| 79      | 11.0  | 0.0   | 29.6  |





#17

2-Methylphenol

Concen: 41.998 ng

RT: 7.22 min Scan# 872

Delta R.T. 0.01 min

Lab File: BF103738.D

Acq: 17 Mar 2018 12:31

Instrument :

BNA\_F

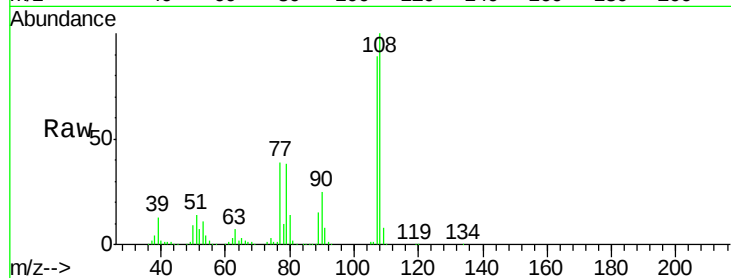
ClientSampleId :

HR-05-031518-AMS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 107   | Resp: | 401723 |
| Ion Ratio | Lower | Upper |        |
| 107       | 100   |       |        |
| 108       | 112.0 | 91.7  | 137.5  |
| 77        | 43.6  | 33.8  | 50.8   |
| 79        | 42.9  | 33.8  | 50.8   |

Manual Integrations  
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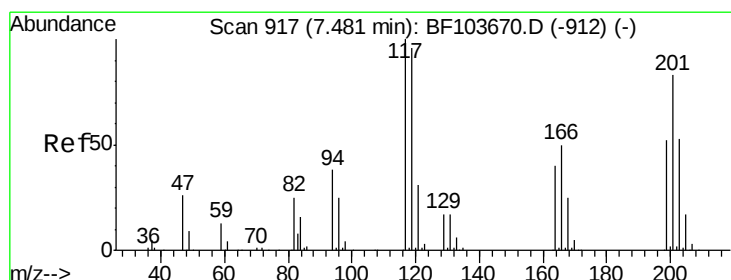
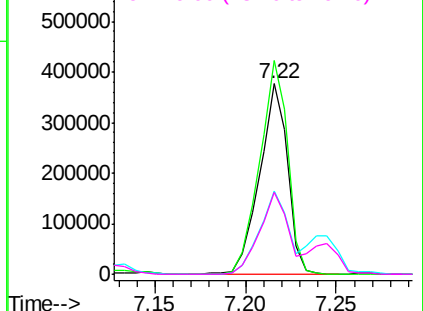
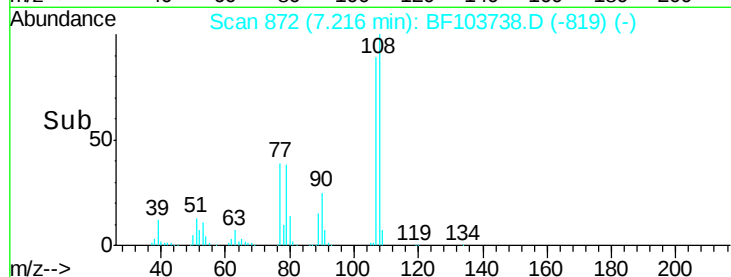


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18

Hexachloroethane

Concen: 35.438 ng

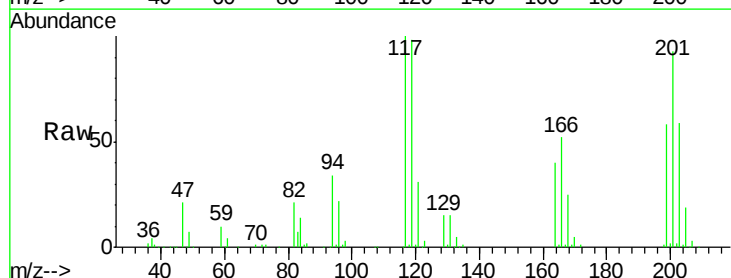
RT: 7.49 min Scan# 918

Delta R.T. 0.01 min

Lab File: BF103738.D

Acq: 17 Mar 2018 12:31

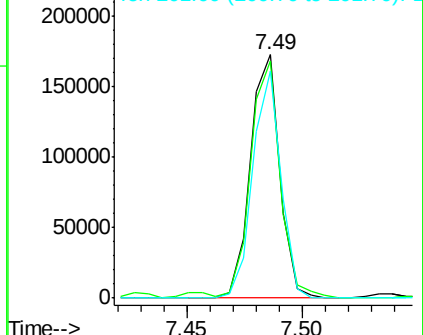
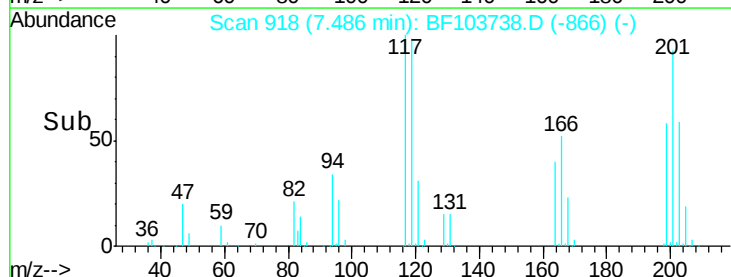
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 153240 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 119       | 97.5  | 75.8  | 113.8  |
| 201       | 93.2  | 75.7  | 113.5  |

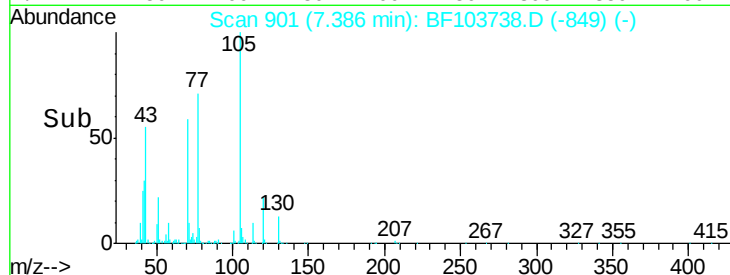
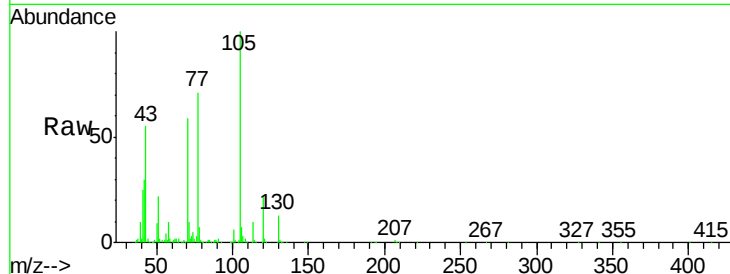
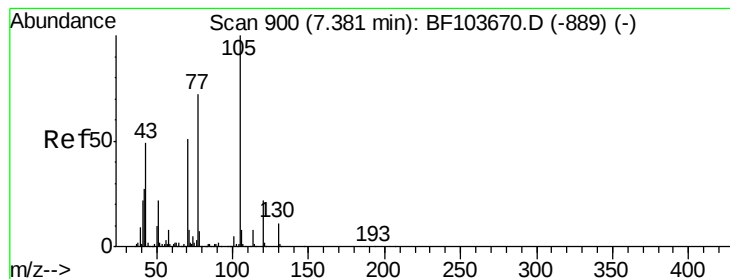


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 40.997 ng

RT: 7.39 min Scan# 901

Delta R.T. 0.01 min

Lab File: BF103738.D

Acq: 17 Mar 2018 12:31

Instrument :

BNA\_F

ClientSampleId :

HR-05-031518-AMS

Tot Ion: 70 Resp: 329589

Ion Ratio Lower Upper

70 100

42 51.8 47.5 71.3

101 9.9 7.4 11.2

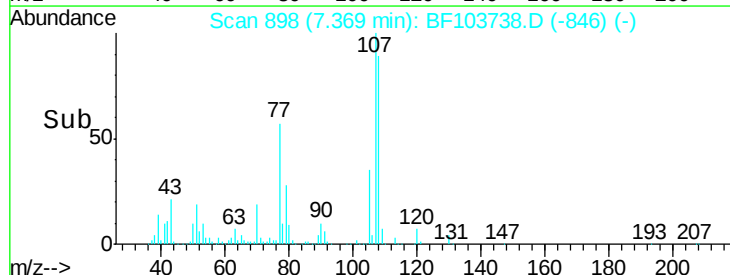
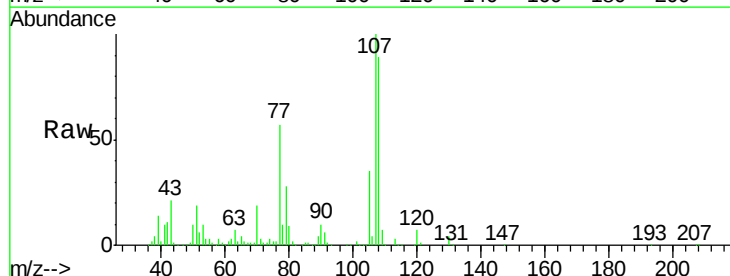
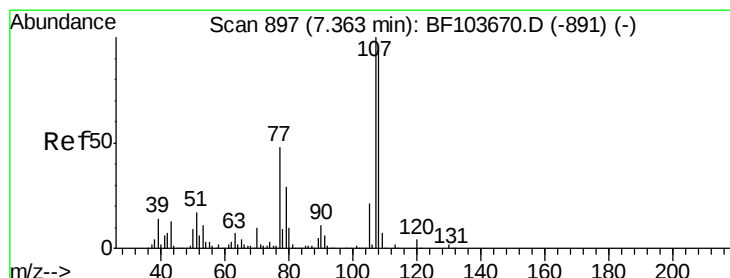
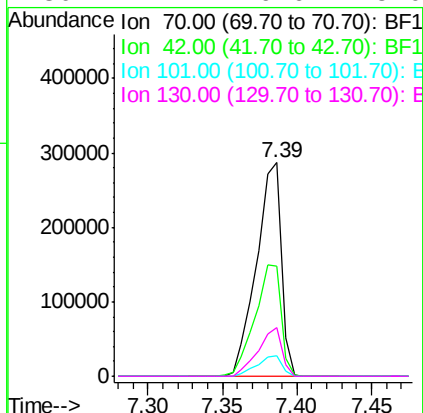
130 22.7 16.6 25.0

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#20

3+4-Methylphenols

Concen: 39.636 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.01 min

Lab File: BF103738.D

Acq: 17 Mar 2018 12:31

Tgt Ion: 107 Resp: 481145

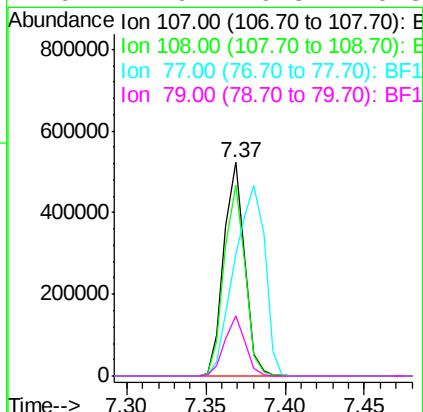
Ion Ratio Lower Upper

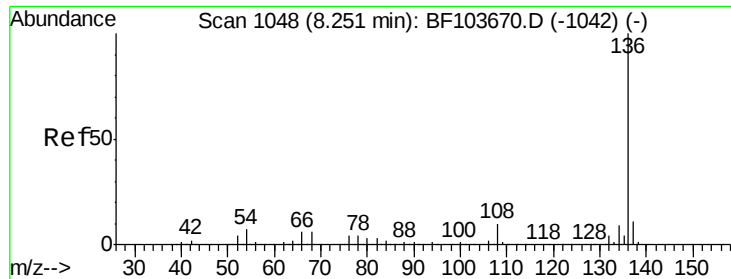
107 100

108 89.5 68.2 108.2

77 57.2 26.7 66.7

79 27.9 6.3 46.3





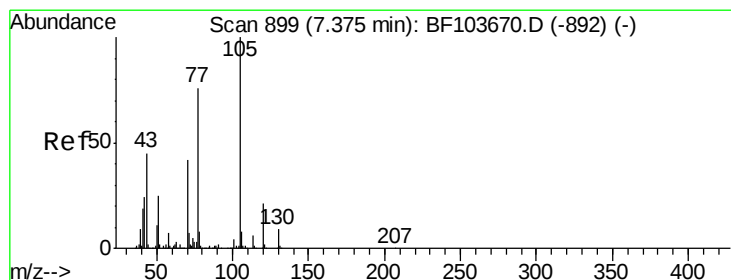
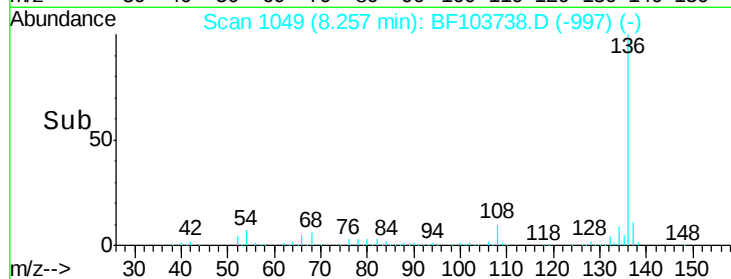
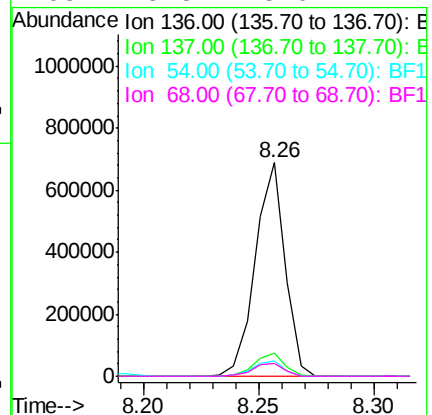
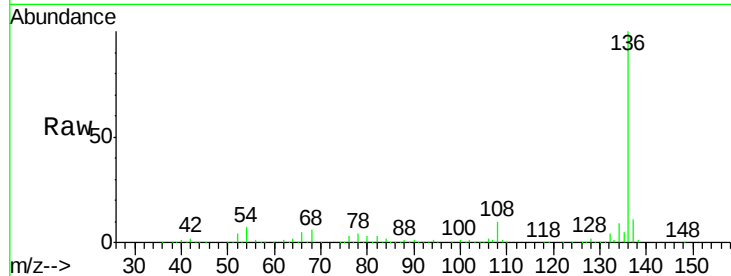
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.26 min Scan# 1049  
Delta R.T. 0.01 min  
Lab File: BF103738.D  
Acq: 17 Mar 2018 12:31

Instrument :  
BNA\_F  
ClientSampleId :  
HR-05-031518-AMS

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 136     | 100  |       | 619869 |       |       |
| 137     | 10.9 |       | 8.9    | 13.3  |       |
| 54      | 6.9  |       | 6.6    | 9.8   |       |
| 68      | 5.8  |       | 5.0    | 7.4   |       |

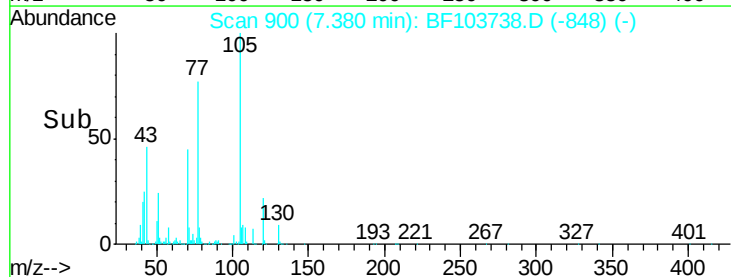
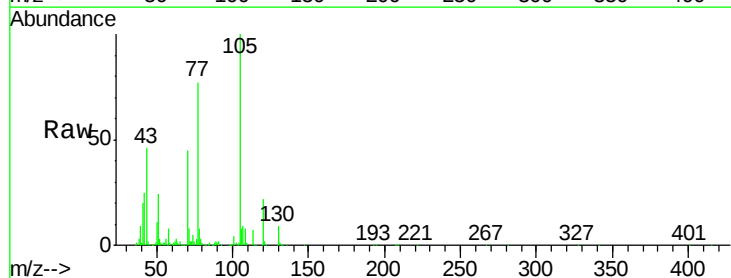
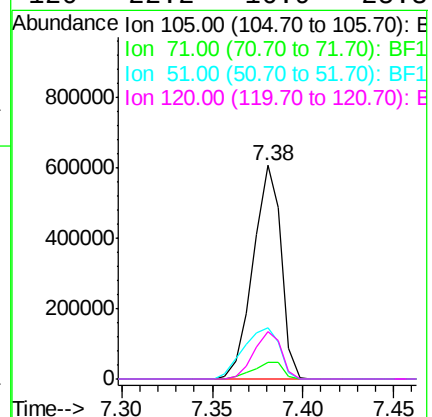
Manual Integrations  
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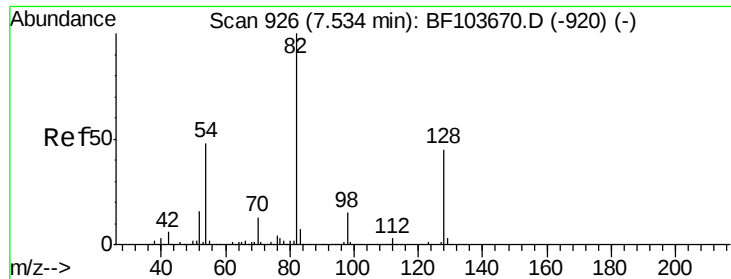
Sohil  
3/19/2018 2:03:14 PM



#22  
Acetophenone  
Concen: 40.926 ng  
RT: 7.38 min Scan# 900  
Delta R.T. 0.01 min  
Lab File: BF103738.D  
Acq: 17 Mar 2018 12:31

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 105     | 100  |       | 651992 |       |       |
| 71      | 7.6  |       | 4.4    | 6.6#  |       |
| 51      | 24.2 |       | 22.3   | 33.5  |       |
| 120     | 22.2 |       | 16.9   | 25.3  |       |





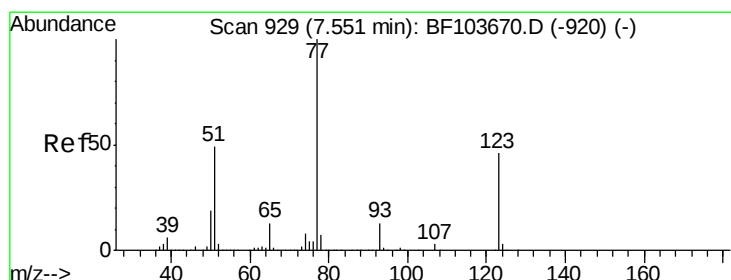
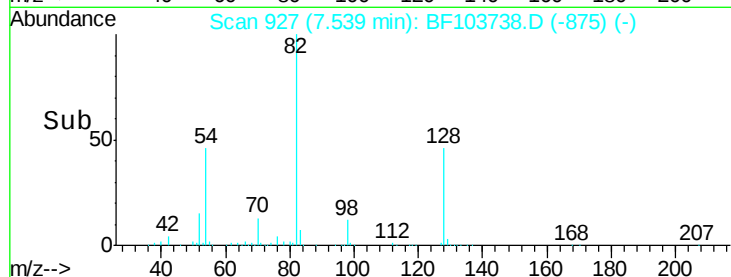
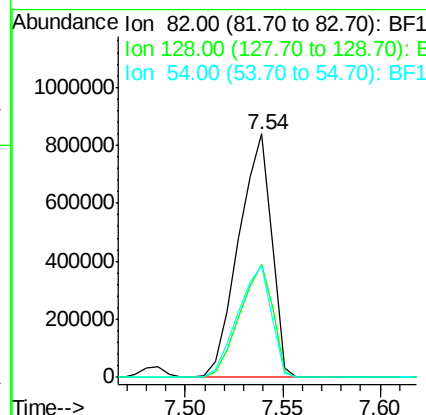
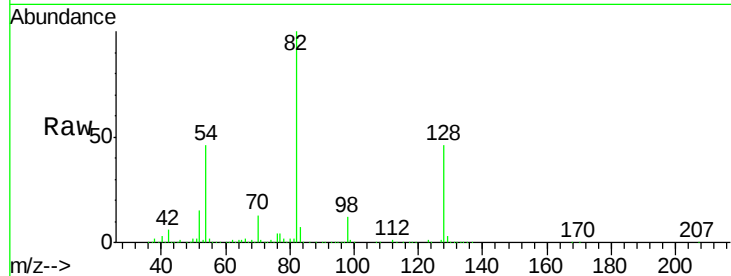
#23  
 Nitrobenzene-d5  
 Concen: 110.340 ng  
 RT: 7.54 min Scan# 927  
 Delta R.T. 0.01 min  
 Lab File: BF103738.D  
 Acq: 17 Mar 2018 12:31

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HR-05-031518-AMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 46.4  | 36.1  | 54.1  |
| 54      | 46.0  | 41.4  | 62.2  |

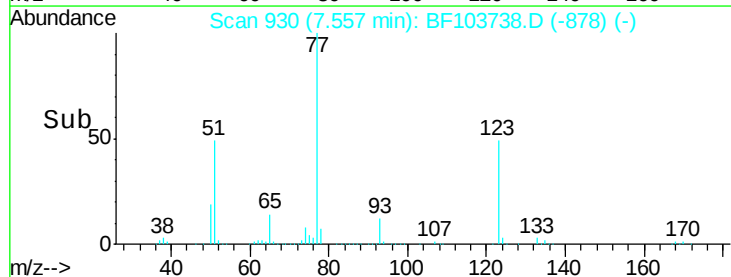
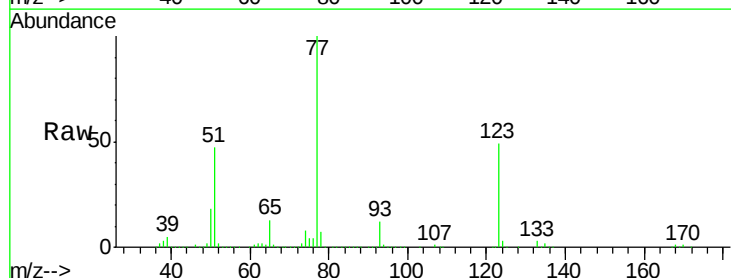
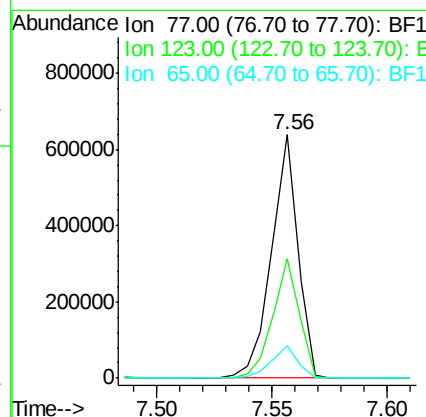
Manual Integrations  
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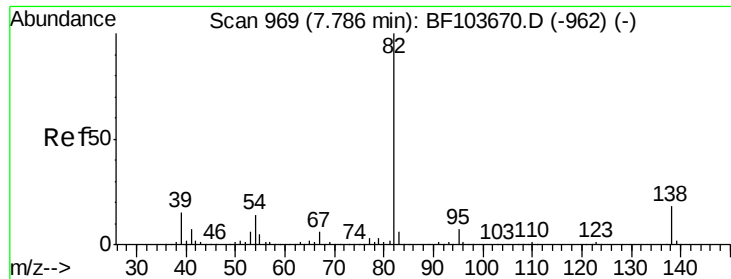
Sohil  
 3/19/2018 2:03:14 PM



#24  
 Nitrobenzene  
 Concen: 49.015 ng  
 RT: 7.56 min Scan# 930  
 Delta R.T. 0.01 min  
 Lab File: BF103738.D  
 Acq: 17 Mar 2018 12:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 48.9  | 37.9  | 56.9  |
| 65      | 13.2  | 11.0  | 16.4  |





#25

Isophorone

Concen: 46.882 ng

RT: 7.79 min Scan# 970

Delta R.T. 0.01 min

Lab File: BF103738.D

Acq: 17 Mar 2018 12:31

Instrument :

BNA\_F

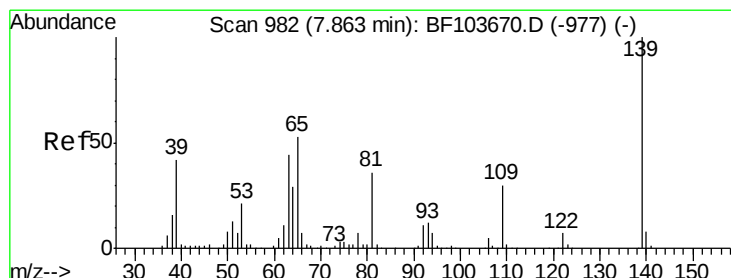
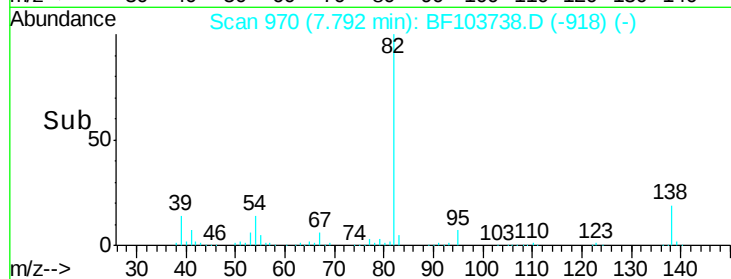
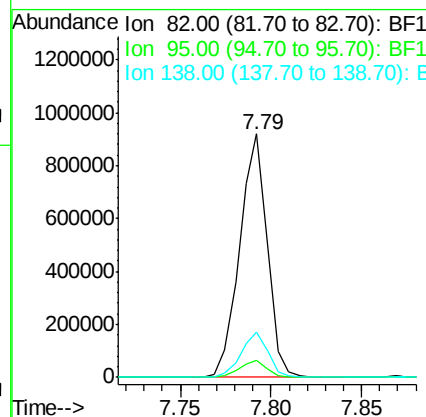
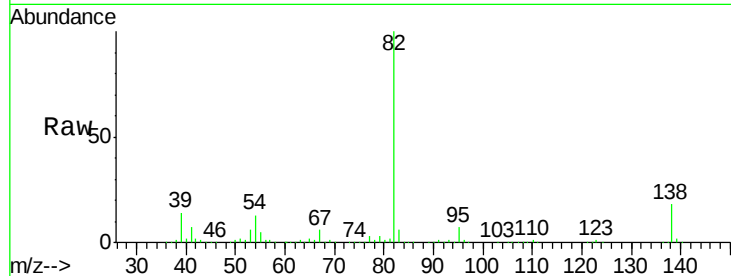
ClientSampleId :

HR-05-031518-AMS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 82    | Resp: | 964701 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 95        | 6.8   | 5.2   | 7.8    |
| 138       | 18.4  | 14.9  | 22.3   |

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#26

2-Nitrophenol

Concen: 51.726 ng

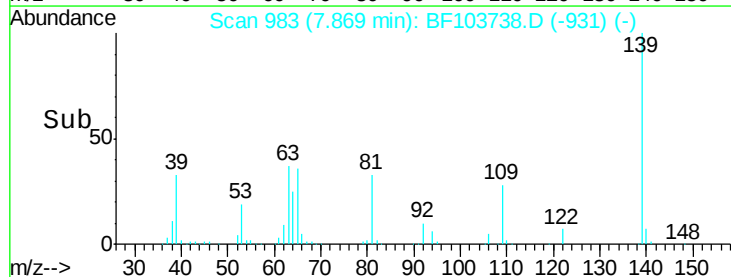
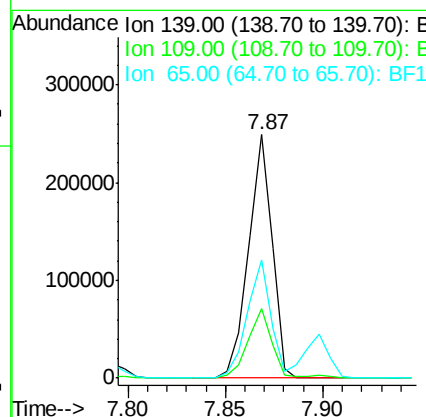
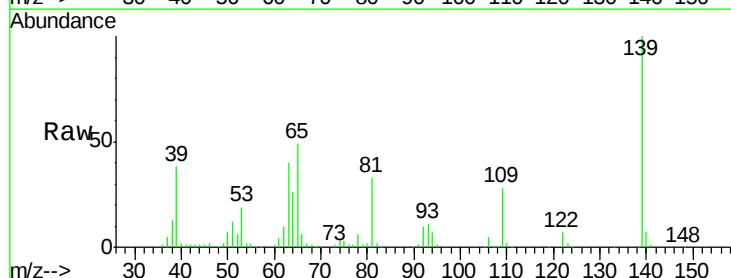
RT: 7.87 min Scan# 983

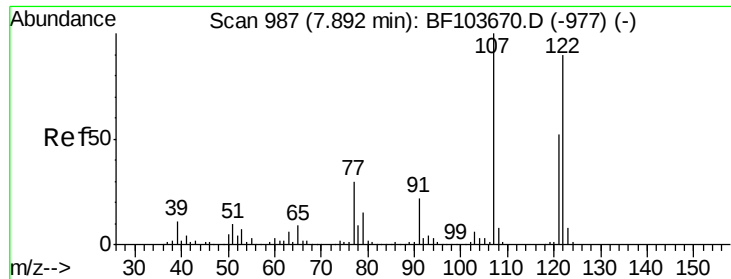
Delta R.T. 0.01 min

Lab File: BF103738.D

Acq: 17 Mar 2018 12:31

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 139   | Resp: | 208996 |
| Ion Ratio | Lower | Upper |        |
| 139       | 100   |       |        |
| 109       | 28.4  | 22.7  | 34.1   |
| 65        | 48.6  | 40.5  | 60.7   |





#27

2,4-Dimethylphenol

Concen: 51.026 ng

RT: 7.90 min Scan# 988

Delta R.T. 0.01 min

Lab File: BF103738.D

Acq: 17 Mar 2018 12:31

Instrument :

BNA\_F

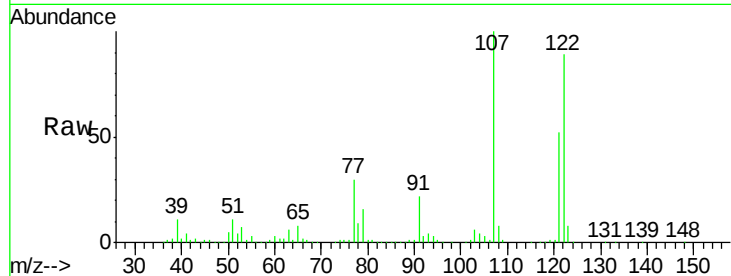
ClientSampleId :

HR-05-031518-AMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 112.7 | 91.2  | 136.8 |
| 121     | 58.1  | 47.2  | 70.8  |

Manual Integrations  
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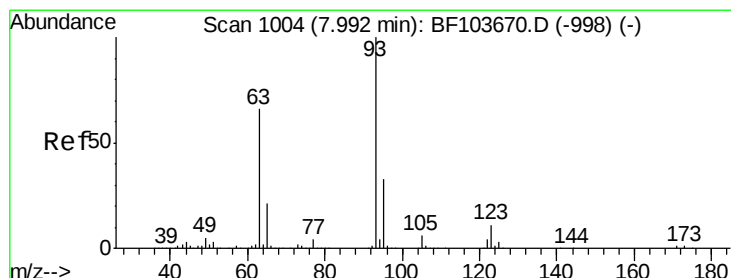
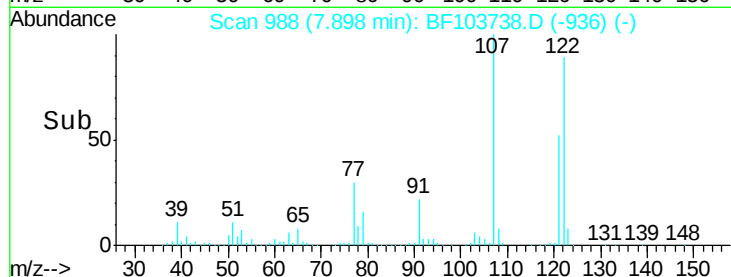
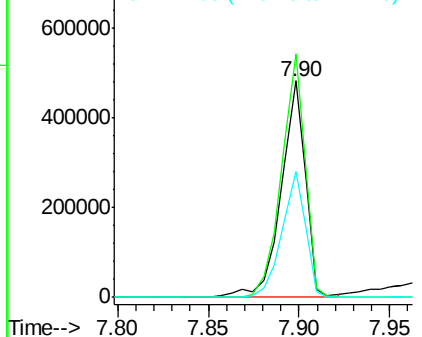
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Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 49.033 ng

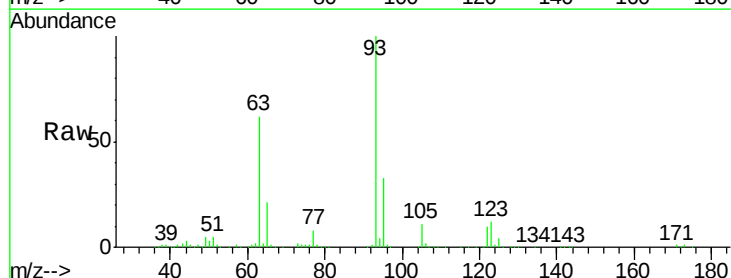
RT: 8.00 min Scan# 1005

Delta R.T. 0.01 min

Lab File: BF103738.D

Acq: 17 Mar 2018 12:31

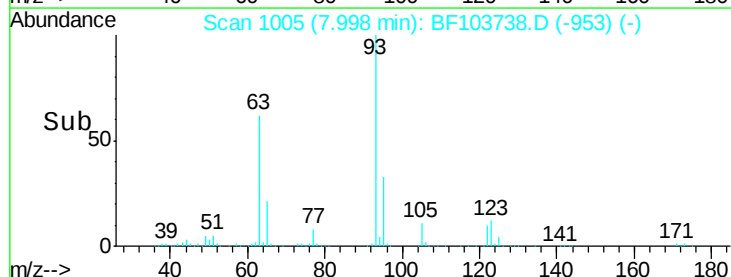
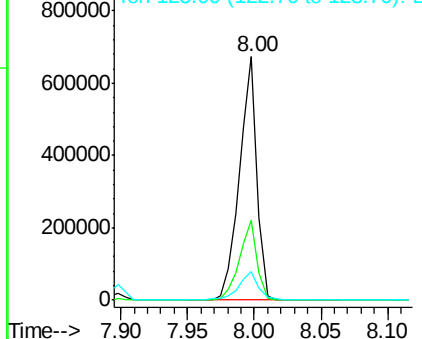
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 33.0  | 26.3  | 39.5  |
| 123     | 11.9  | 9.8   | 14.6  |

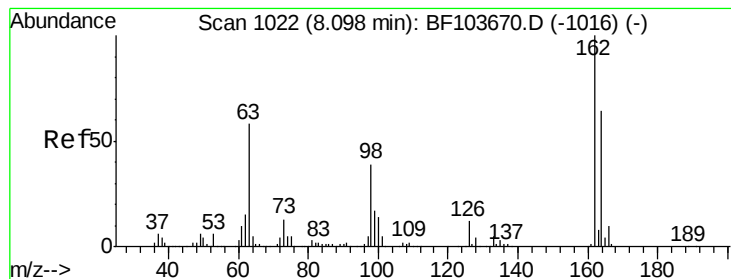


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 48.748 ng

RT: 8.11 min Scan# 1024

Delta R.T. 0.01 min

Lab File: BF103738.D

Acq: 17 Mar 2018 12:31

Instrument :

BNA\_F

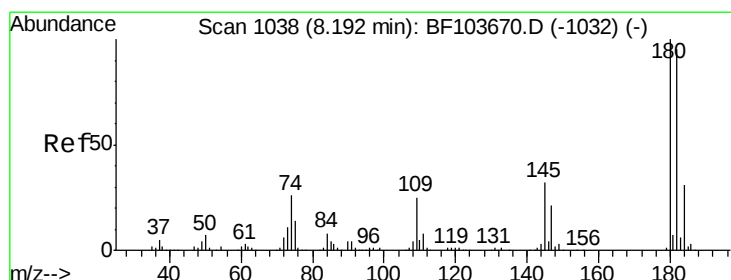
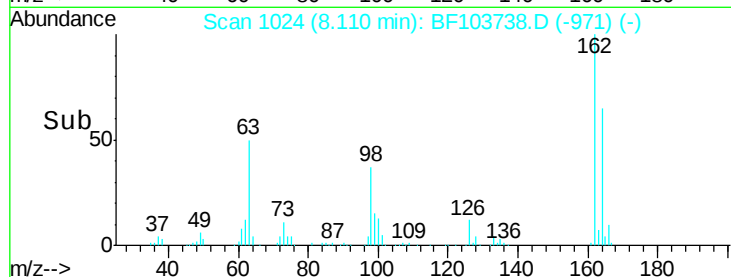
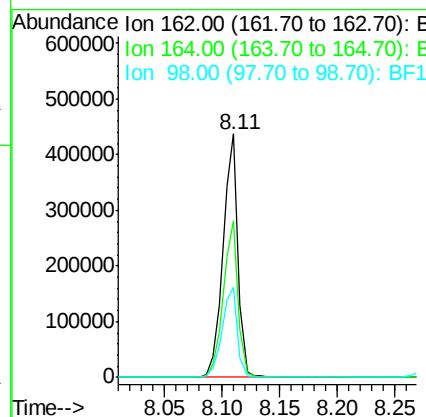
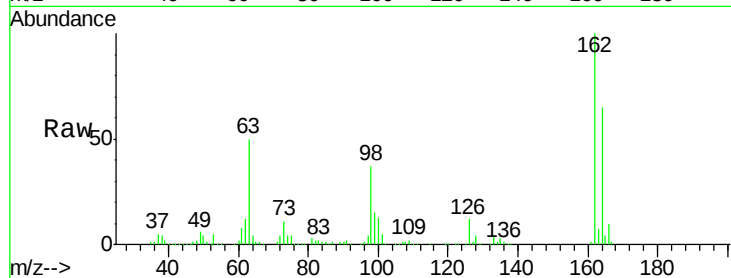
ClientSampleId :

HR-05-031518-AMS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 162   | Resp: | 390957 |
| Ion Ratio | Lower | Upper |        |
| 162       | 100   |       |        |
| 164       | 64.5  | 42.7  | 82.7   |
| 98        | 37.1  | 18.1  | 58.1   |

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#30

1,2,4-Trichlorobenzene

Concen: 42.868 ng

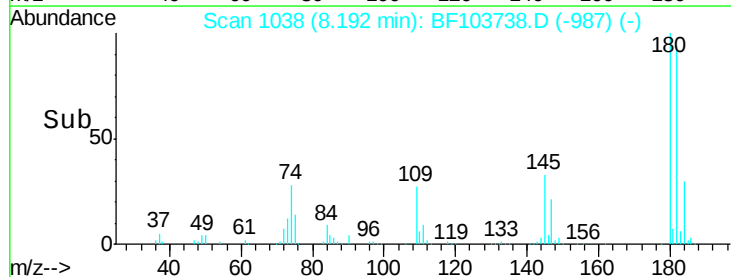
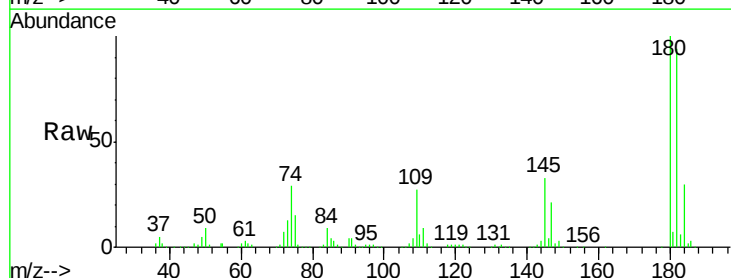
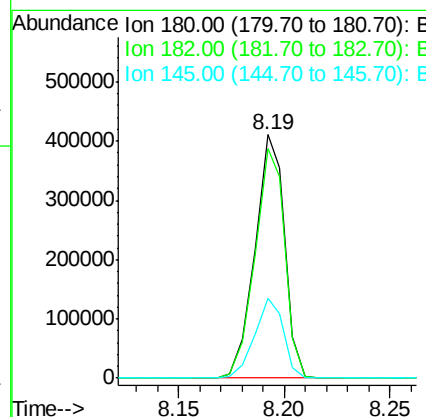
RT: 8.19 min Scan# 1038

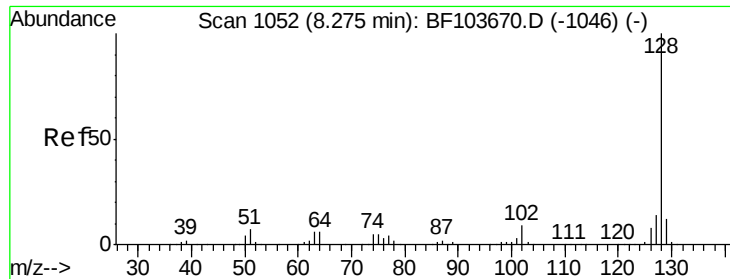
Delta R.T. -0.00 min

Lab File: BF103738.D

Acq: 17 Mar 2018 12:31

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 398755 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 94.1  | 76.8  | 115.2  |
| 145       | 32.6  | 26.5  | 39.7   |





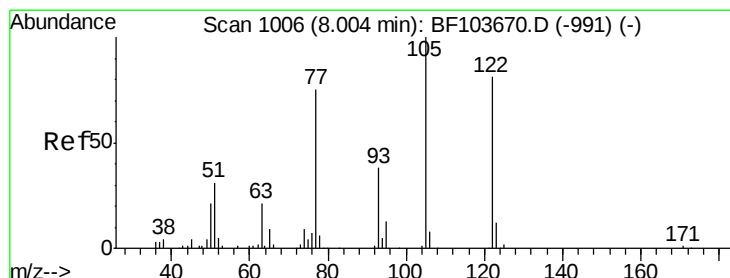
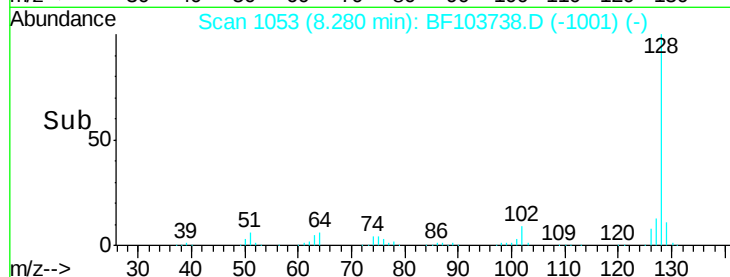
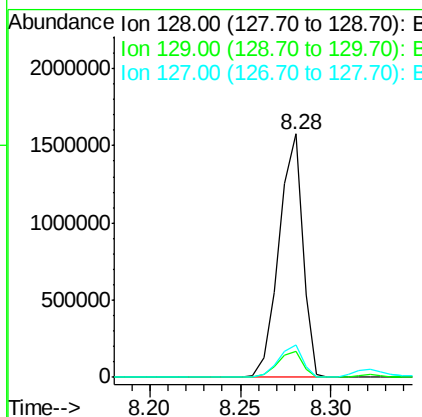
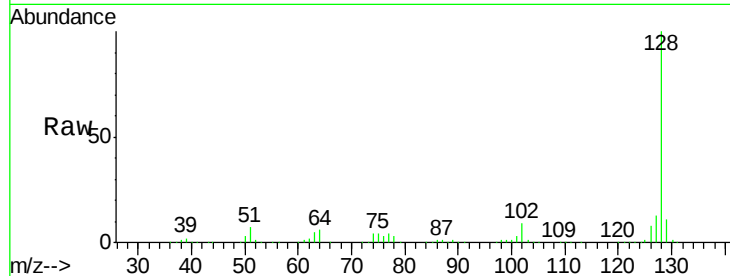
#31  
Naphthalene  
Concen: 46.064 ng  
RT: 8.28 min Scan# 1053  
Delta R.T. 0.01 min  
Lab File: BF103738.D  
Acq: 17 Mar 2018 12:31

Instrument :  
BNA\_F  
ClientSampleId :  
HR-05-031518-AMS

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

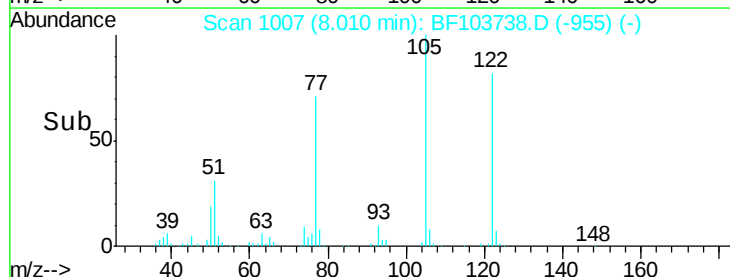
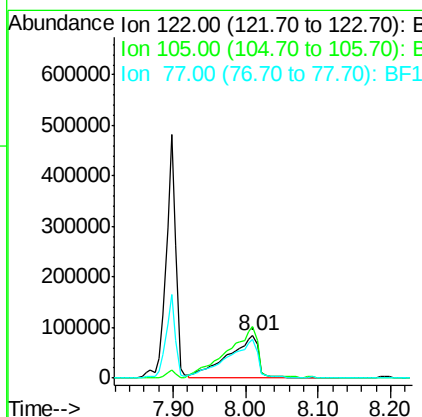
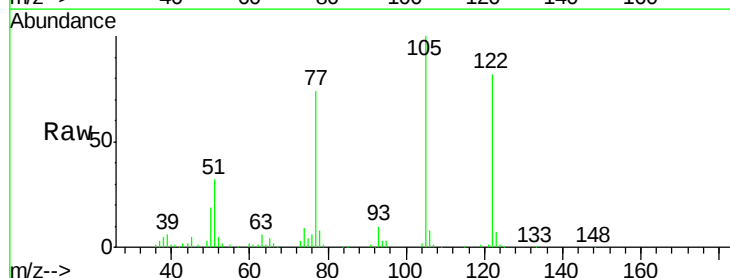
Manual Integrations  
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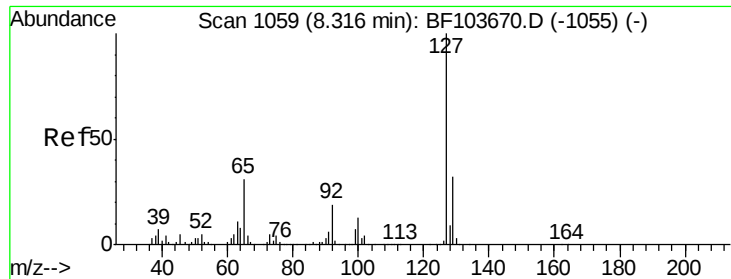
Sohil  
3/19/2018 2:03:14 PM



#32  
Benzoic acid  
Concen: 41.836 ng  
RT: 8.01 min Scan# 1007  
Delta R.T. 0.01 min  
Lab File: BF103738.D  
Acq: 17 Mar 2018 12:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 105     | 121.9 | 101.1 | 141.1 |
| 77      | 89.8  | 70.7  | 110.7 |





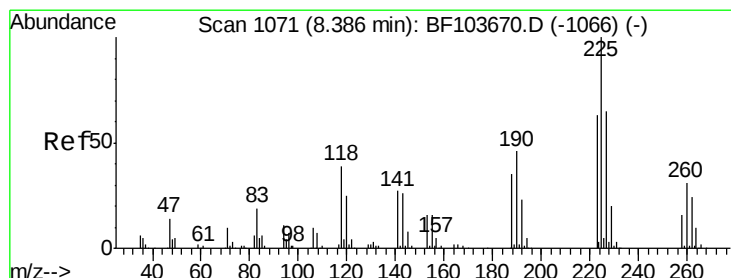
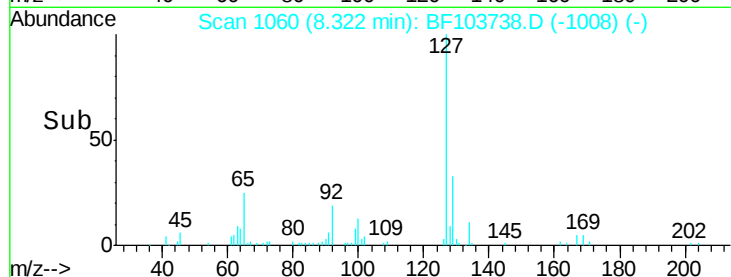
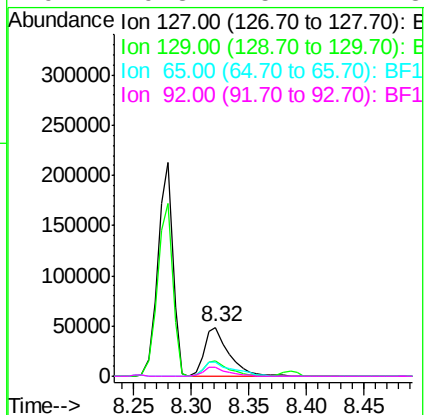
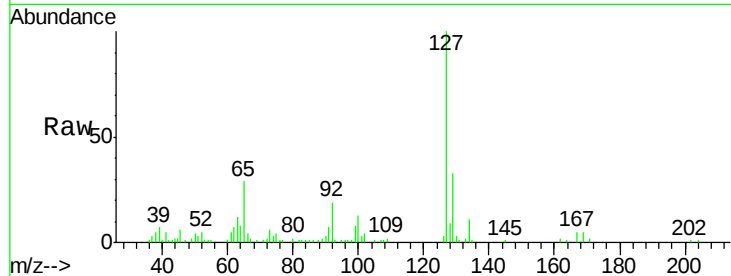
#33  
4-Chloroaniline  
Concen: 5.538 ng  
RT: 8.32 min Scan# 1060  
Delta R.T. 0.01 min  
Lab File: BF103738.D  
Acq: 17 Mar 2018 12:31

Instrument :  
BNA\_F  
ClientSampleId :  
HR-05-031518-AMS

| Tot Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 127     | 100  |       | 72746 |       |       |
| 129     | 32.7 | 25.9  | 38.9  |       |       |
| 65      | 29.0 | 25.0  | 37.4  |       |       |
| 92      | 19.3 | 15.2  | 22.8  |       |       |

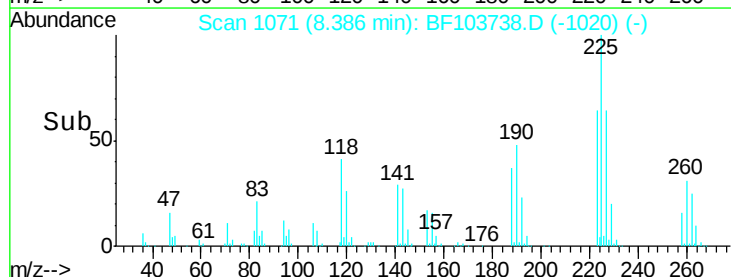
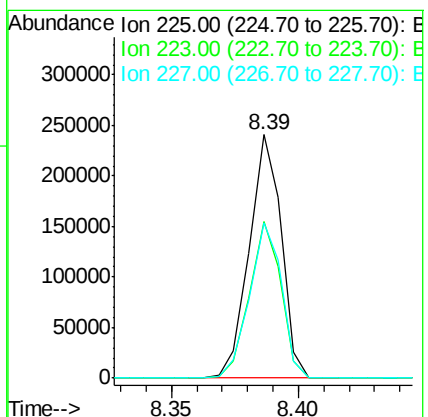
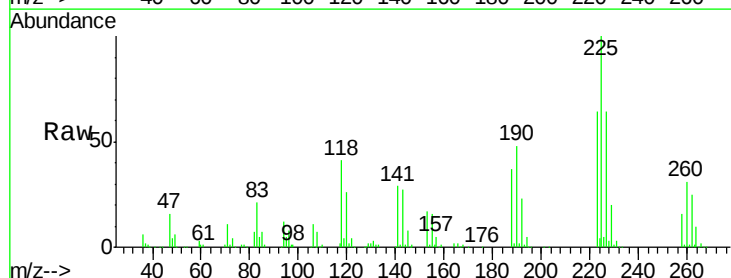
Manual Integrations  
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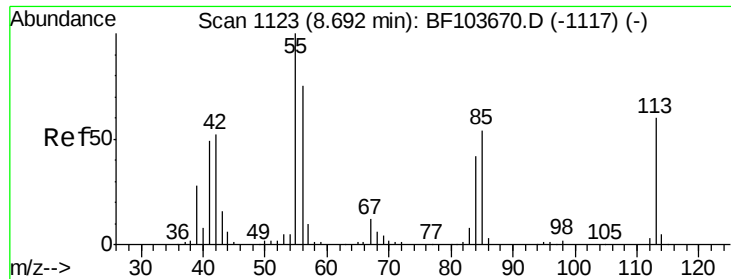
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#34  
Hexachlorobutadiene  
Concen: 41.512 ng  
RT: 8.39 min Scan# 1071  
Delta R.T. -0.00 min  
Lab File: BF103738.D  
Acq: 17 Mar 2018 12:31

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 225     | 100  |       | 211713 |       |       |
| 223     | 64.4 | 50.6  | 76.0   |       |       |
| 227     | 63.7 | 51.9  | 77.9   |       |       |





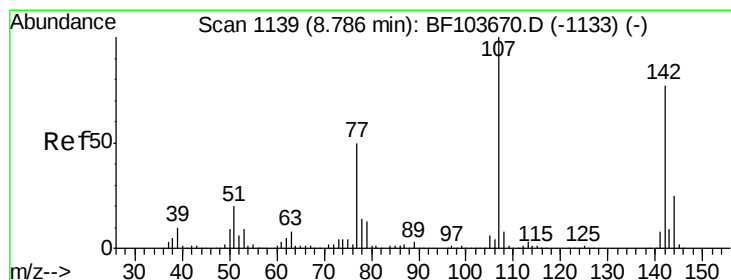
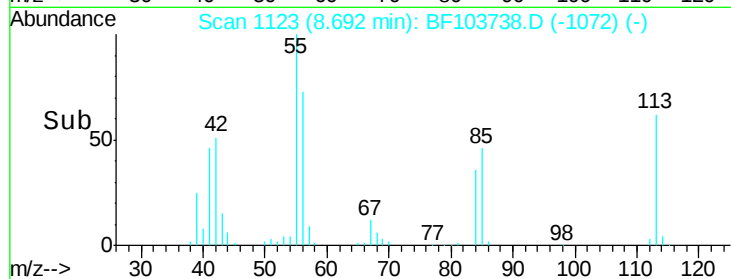
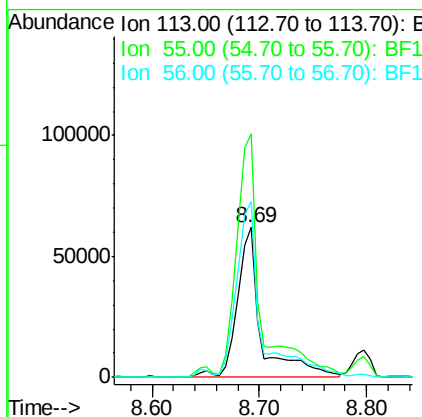
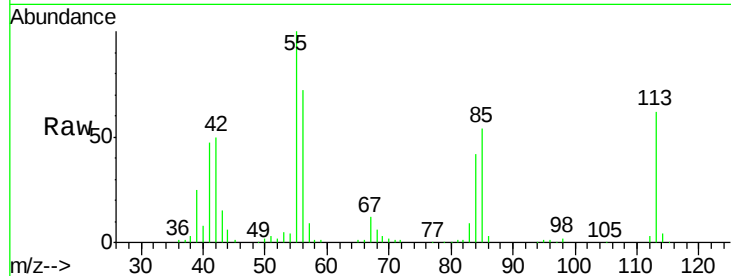
#35  
 Caprolactam  
 Concen: 34.762 ng/ml  
 RT: 8.69 min Scan# 1123  
 Delta R.T. -0.00 min  
 Lab File: BF103738.D  
 Acq: 17 Mar 2018 12:31

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HR-05-031518-AMS

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 113     | 100   |       |        |
| 55      | 162.5 | 163.3 | 203.3# |
| 56      | 117.5 | 115.7 | 155.7  |

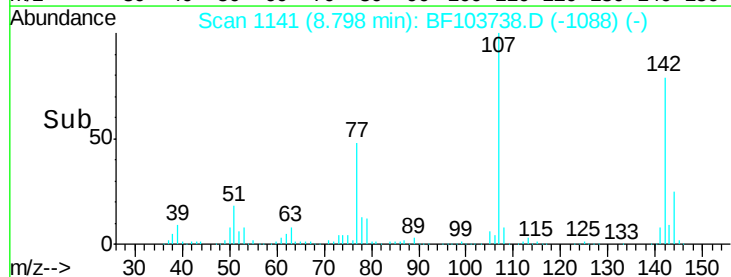
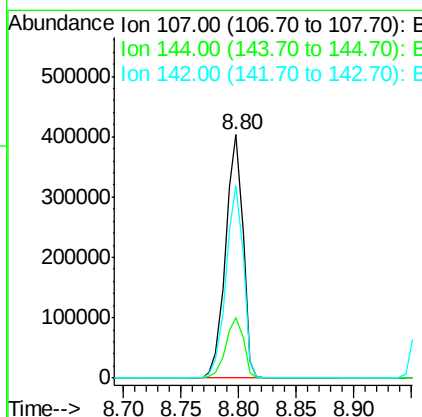
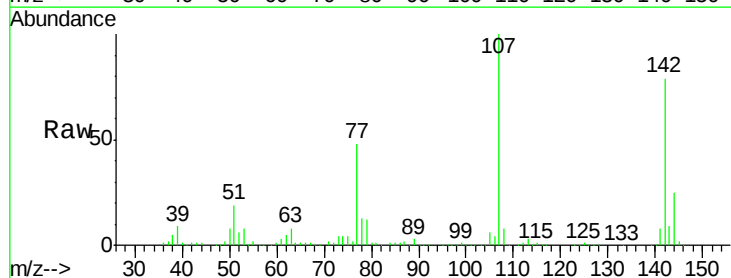
Manual Integrations  
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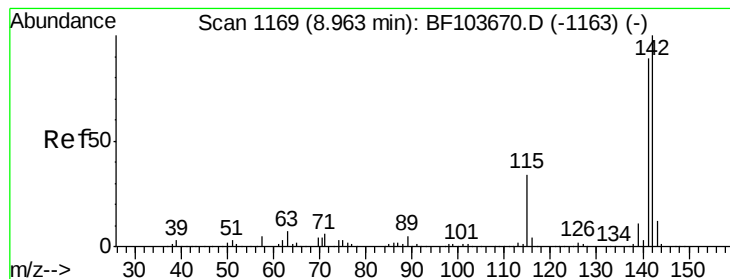
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 3/19/2018 2:03:14 PM



#36  
 4-Chloro-3-methylphenol  
 Concen: 47.639 ng/ml  
 RT: 8.80 min Scan# 1141  
 Delta R.T. 0.01 min  
 Lab File: BF103738.D  
 Acq: 17 Mar 2018 12:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 144     | 25.0  | 20.5  | 30.7  |
| 142     | 79.0  | 62.0  | 93.0  |





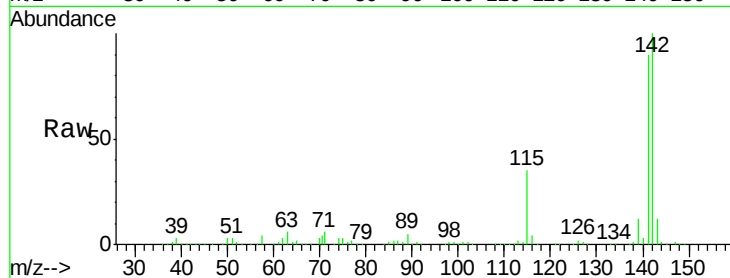
#37  
2-Methylnaphthalene  
Concen: 44.801 ng  
RT: 8.97 min Scan# 1170  
Delta R.T. 0.01 min  
Lab File: BF103738.D  
Acq: 17 Mar 2018 12:31

Instrument :  
BNA\_F  
ClientSampleId :  
HR-05-031518-AMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 90.3  | 70.8  | 106.2 |
| 115     | 34.7  | 26.1  | 39.1  |

Manual Integrations  
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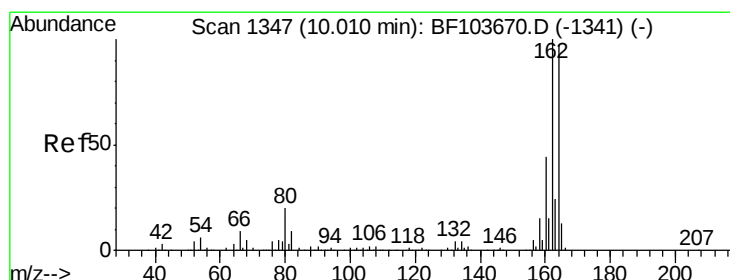
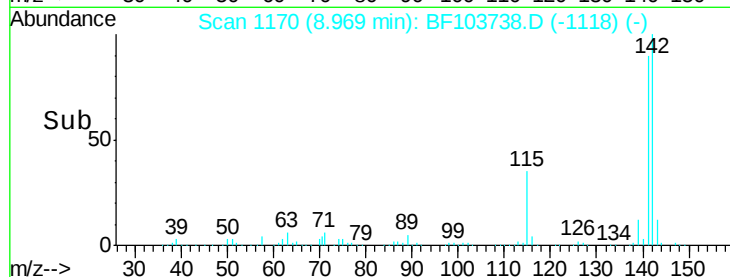
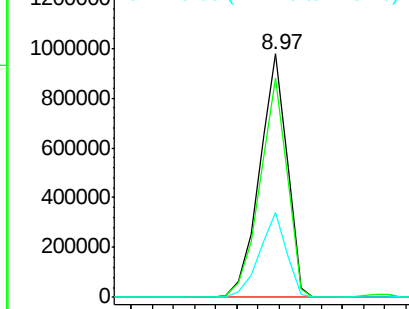


Abundance

Ion 142.00 (141.70 to 142.70): E

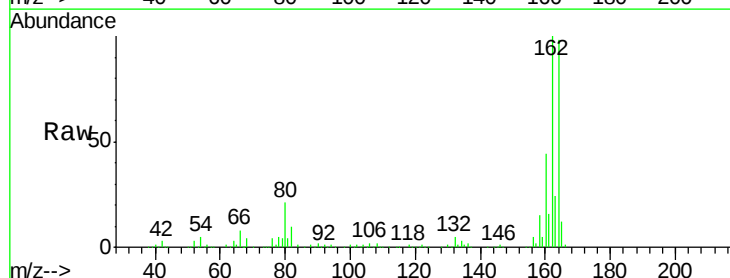
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 10.02 min Scan# 1348  
Delta R.T. 0.01 min  
Lab File: BF103738.D  
Acq: 17 Mar 2018 12:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 101.8 | 86.1  | 129.1 |
| 160     | 45.1  | 38.3  | 57.5  |

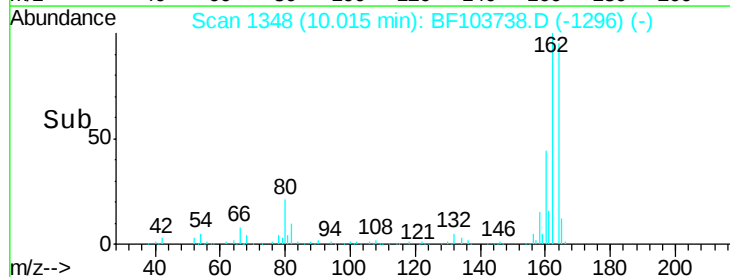
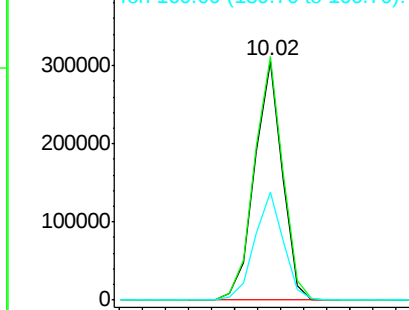


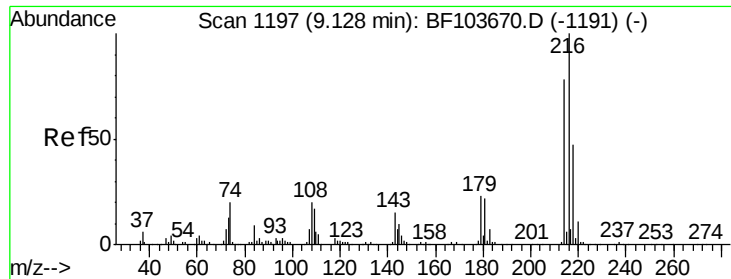
Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





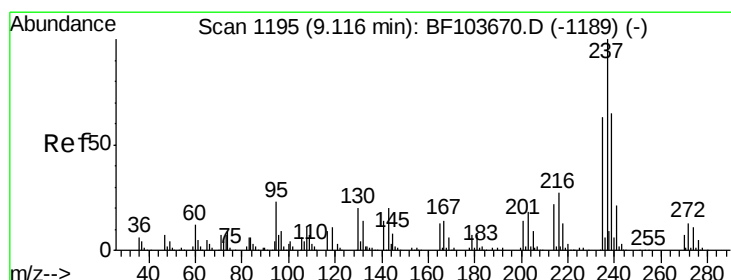
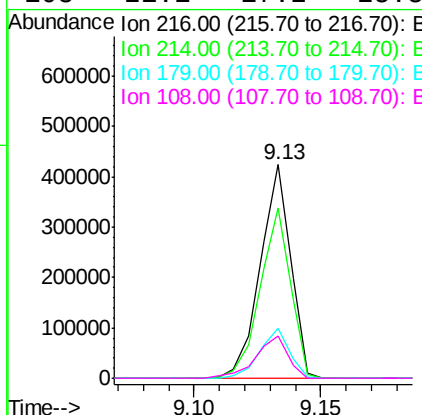
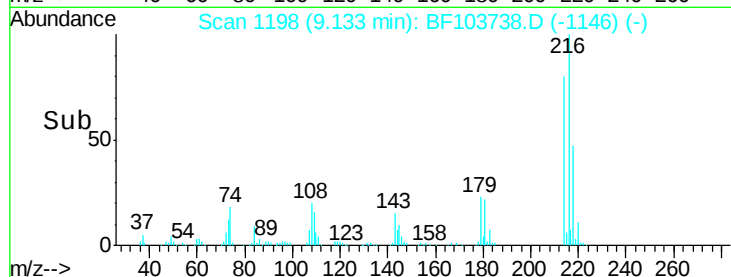
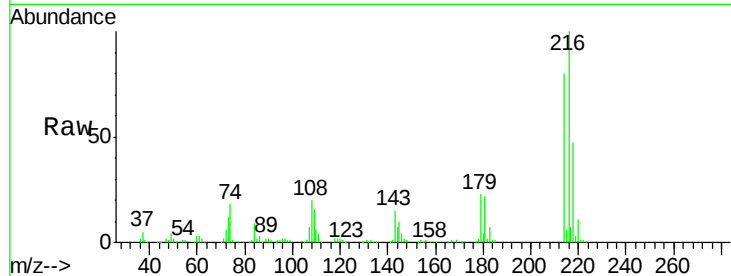
#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 48.407 ng  
 RT: 9.13 min Scan# 1198  
 Delta R.T. 0.01 min  
 Lab File: BF103738.D  
 Acq: 17 Mar 2018 12:31

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HR-05-031518-AMS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 216   | Resp: | 354748 |
| Ion Ratio | Lower | Upper |        |
| 216       | 100   |       |        |
| 214       | 79.8  | 63.0  | 94.4   |
| 179       | 22.8  | 18.1  | 27.1   |
| 108       | 21.1  | 17.2  | 25.8   |

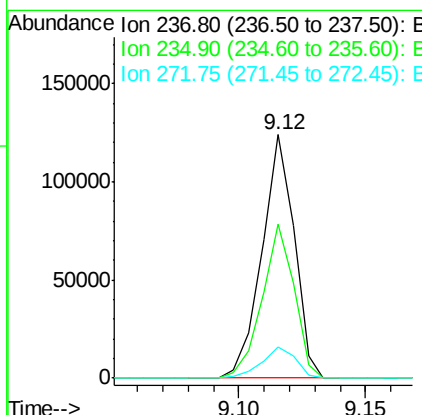
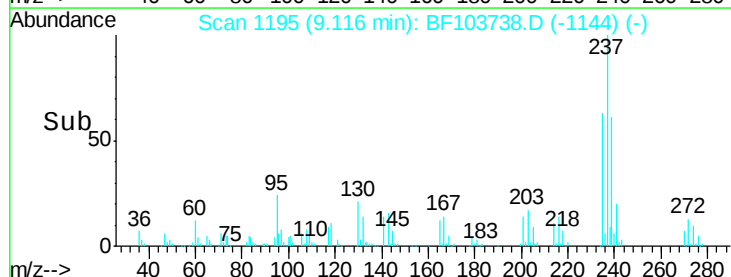
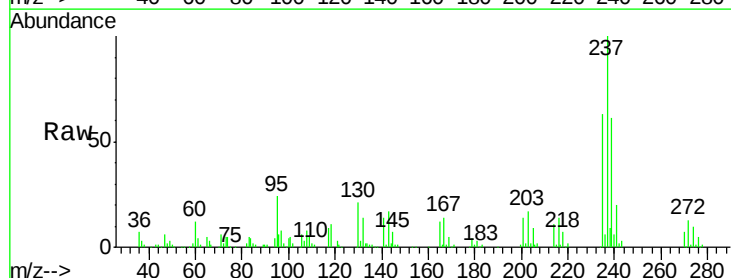
Manual Integrations  
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#40  
 Hexachlorocyclopentadiene  
 Concen: 29.097 ng  
 RT: 9.12 min Scan# 1195  
 Delta R.T. -0.00 min  
 Lab File: BF103738.D  
 Acq: 17 Mar 2018 12:31

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 237   | Resp: | 110029 |
| Ion Ratio | Lower | Upper |        |
| 237       | 100   |       |        |
| 235       | 63.4  | 44.8  | 84.8   |
| 272       | 12.8  | 0.0   | 33.3   |





#41

2,4,6-Tribromophenol

Concen: 136.336 ng

RT: 10.81 min Scan# 1483

Delta R.T. 0.01 min

Lab File: BF103738.D

Acq: 17 Mar 2018 12:31

Instrument :

BNA\_F

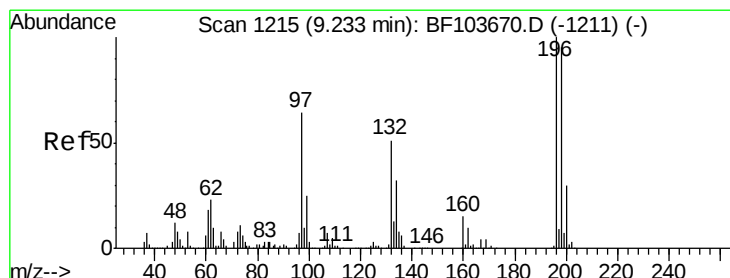
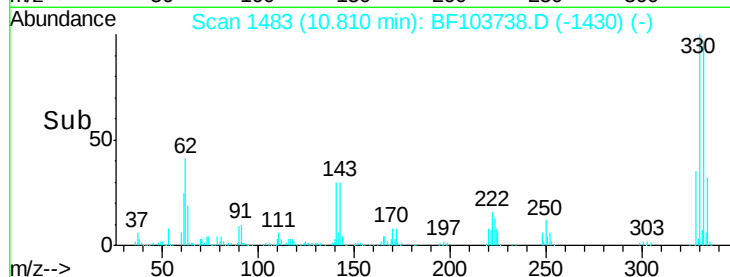
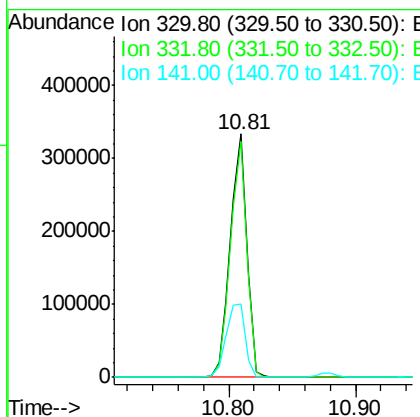
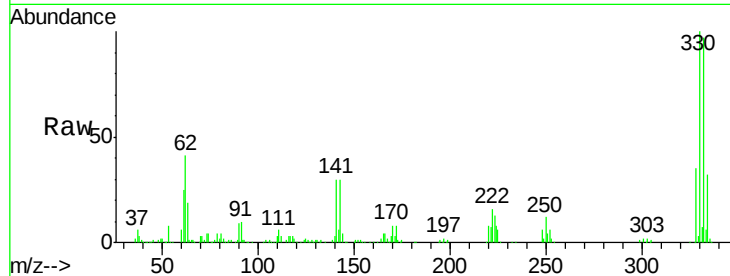
ClientSampleId :

HR-05-031518-AMS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 330   | Resp: | 301118 |
| Ion Ratio | Lower | Upper |        |
| 330       | 100   |       |        |
| 332       | 96.1  | 77.0  | 115.6  |
| 141       | 34.8  | 29.9  | 44.9   |

Manual Integrations  
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#42

2,4,6-Trichlorophenol

Concen: 54.051 ng

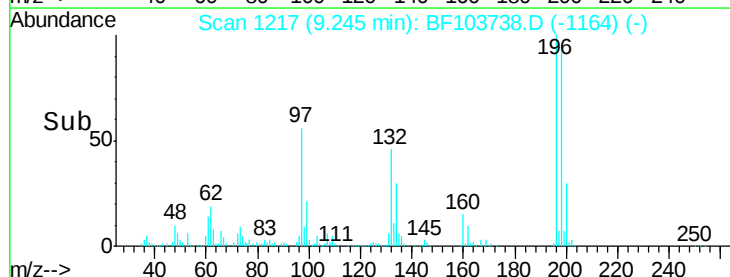
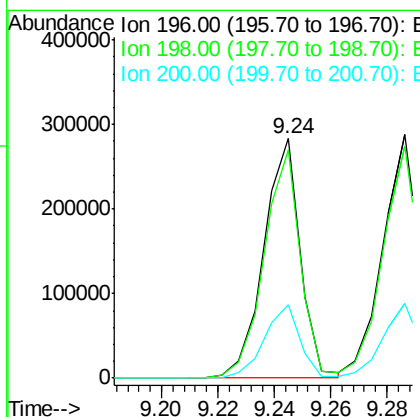
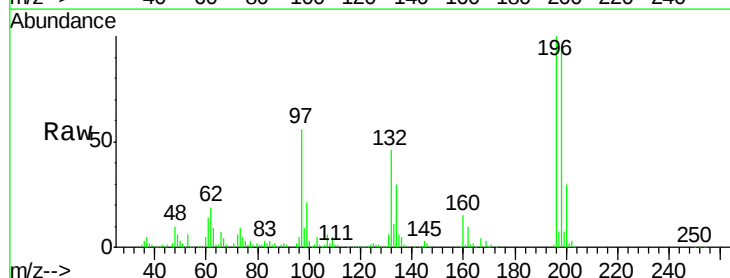
RT: 9.24 min Scan# 1217

Delta R.T. 0.01 min

Lab File: BF103738.D

Acq: 17 Mar 2018 12:31

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 196   | Resp: | 253362 |
| Ion Ratio | Lower | Upper |        |
| 196       | 100   |       |        |
| 198       | 95.1  | 75.7  | 113.5  |
| 200       | 30.4  | 24.5  | 36.7   |





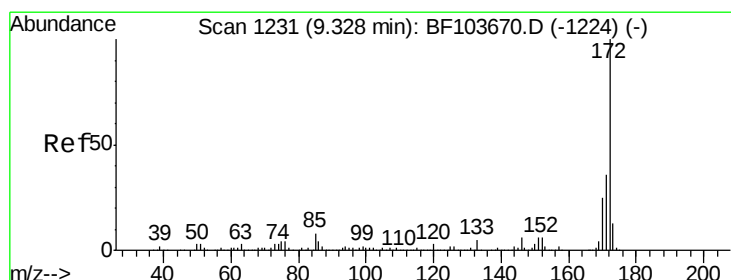
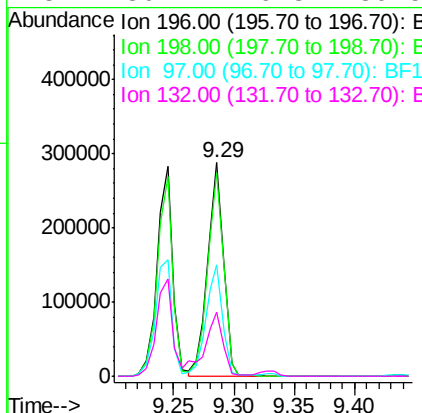
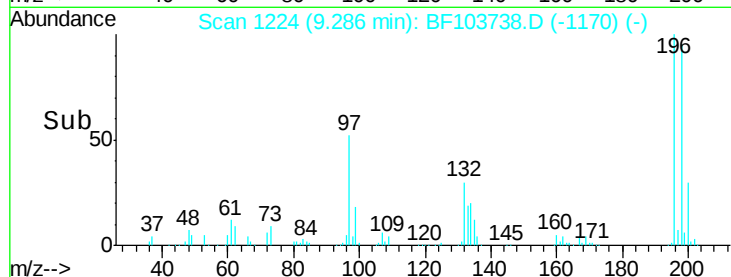
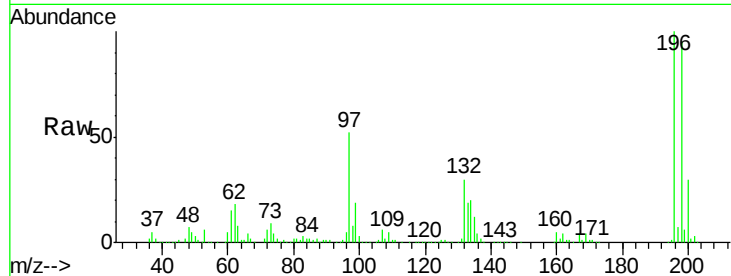
#43  
2,4,5-Trichlorophenol  
Concen: 49.875 ng  
RT: 9.29 min Scan# 1224  
Delta R.T. 0.02 min  
Lab File: BF103738.D  
Acq: 17 Mar 2018 12:31

Instrument :  
BNA\_F  
ClientSampleId :  
HR-05-031518-AMS

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 196     | 100  |       | 263873 |       |       |
| 198     | 95.1 | 74.6  | 112.0  |       |       |
| 97      | 52.4 | 42.9  | 64.3   |       |       |
| 132     | 30.1 | 26.3  | 39.5   |       |       |

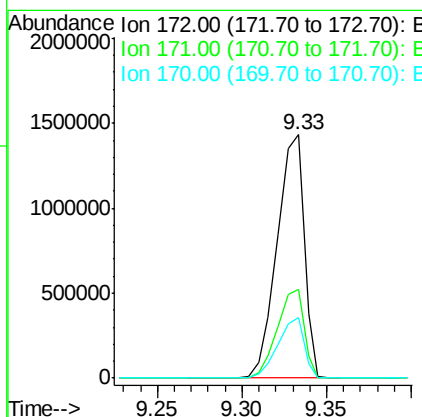
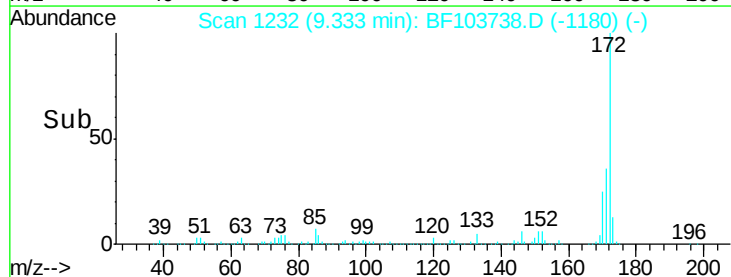
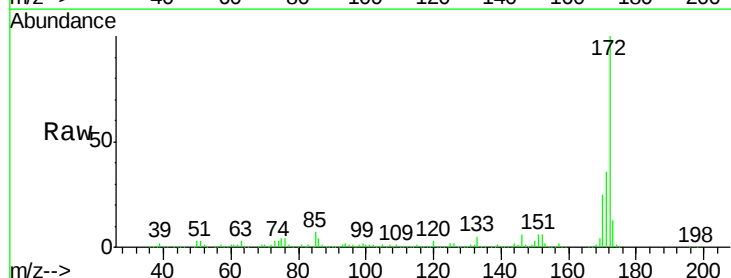
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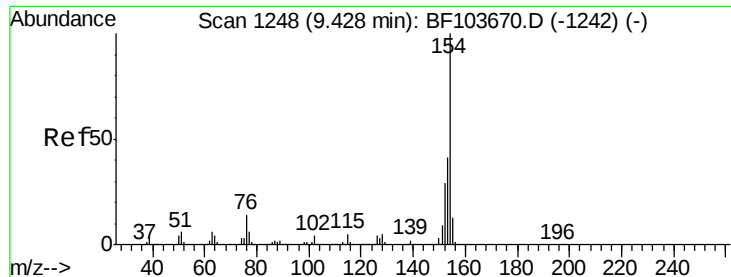
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#44  
2-Fluorobiphenyl  
Concen: 97.935 ng  
RT: 9.33 min Scan# 1232  
Delta R.T. 0.01 min  
Lab File: BF103738.D  
Acq: 17 Mar 2018 12:31

| Tgt Ion | Ion  | Ratio | Resp    | Lower | Upper |
|---------|------|-------|---------|-------|-------|
| 172     | 100  |       | 1577118 |       |       |
| 171     | 36.3 | 29.7  | 44.5    |       |       |
| 170     | 24.7 | 19.6  | 29.4    |       |       |





#45

1,1'-Biphenyl

Concen: 46.641 ng

RT: 9.43 min Scan# 1249

Delta R.T. 0.01 min

Lab File: BF103738.D

Acq: 17 Mar 2018 12:31

Instrument :

BNA\_F

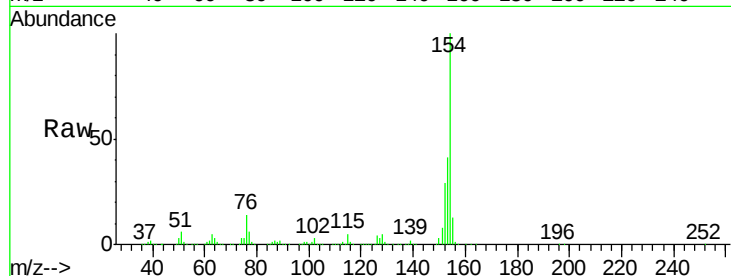
ClientSampleId :

HR-05-031518-AMS

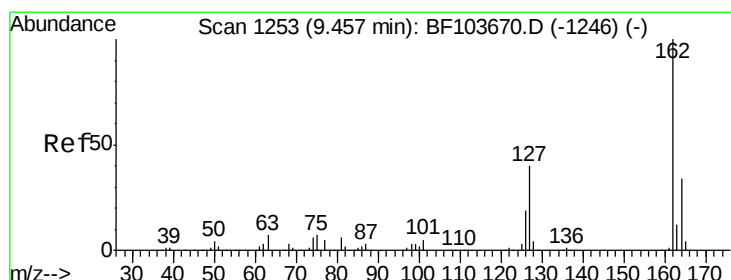
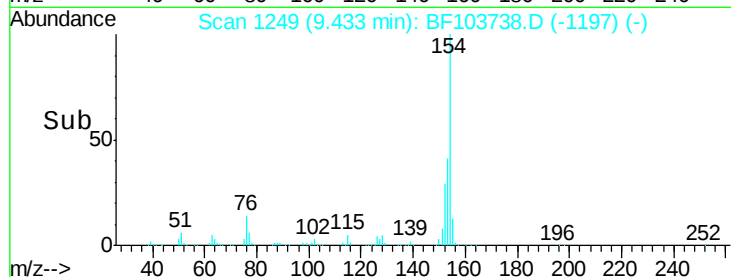
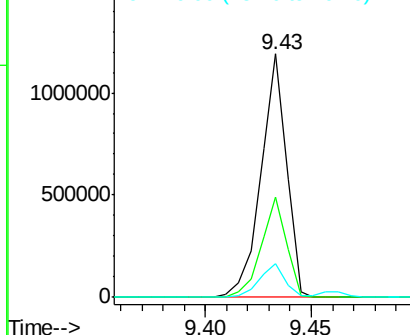
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 154   | Resp: | 999039 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 41.1  | 21.3  | 61.3   |
| 76        | 13.8  | 0.0   | 34.0   |

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



#46

2-Chloronaphthalene

Concen: 46.101 ng

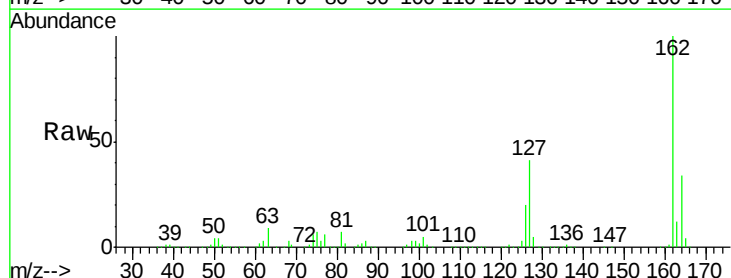
RT: 9.46 min Scan# 1254

Delta R.T. 0.01 min

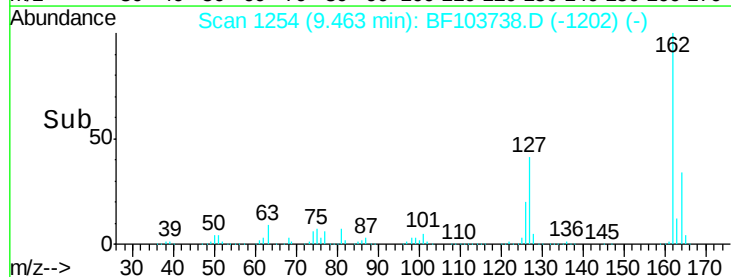
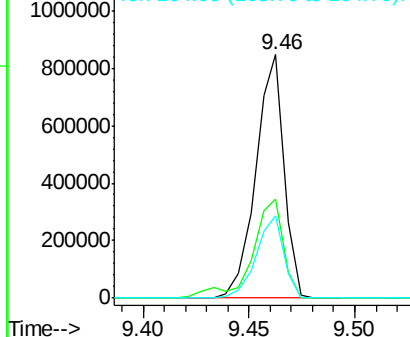
Lab File: BF103738.D

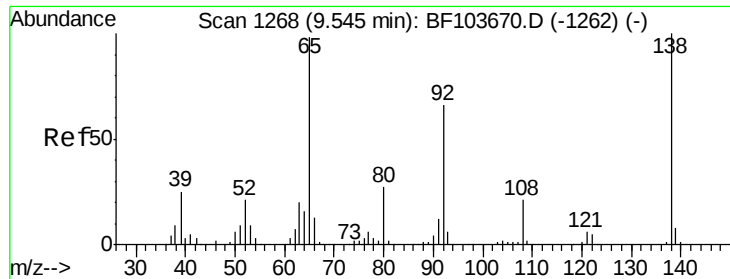
Acq: 17 Mar 2018 12:31

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 162   | Resp: | 784312 |
| Ion Ratio | Lower | Upper |        |
| 162       | 100   |       |        |
| 127       | 40.7  | 33.9  | 50.9   |
| 164       | 33.7  | 26.5  | 39.7   |



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





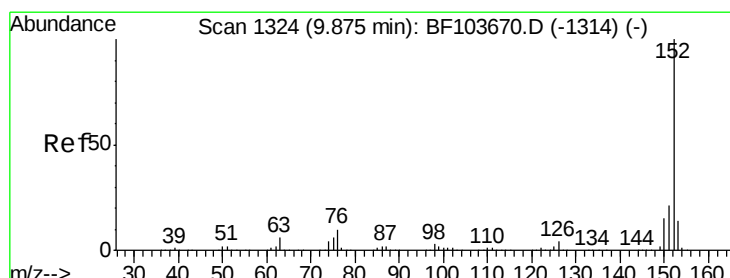
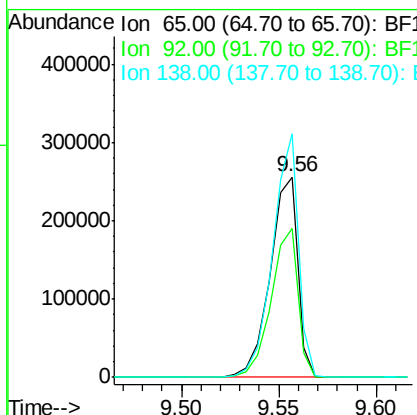
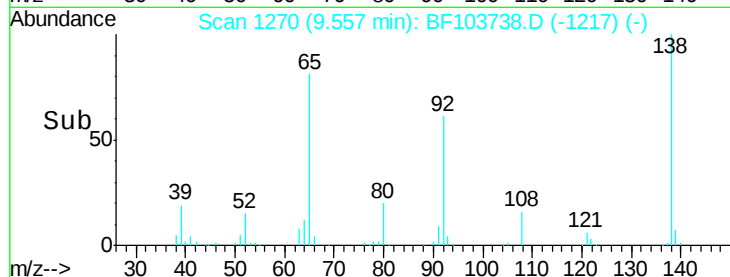
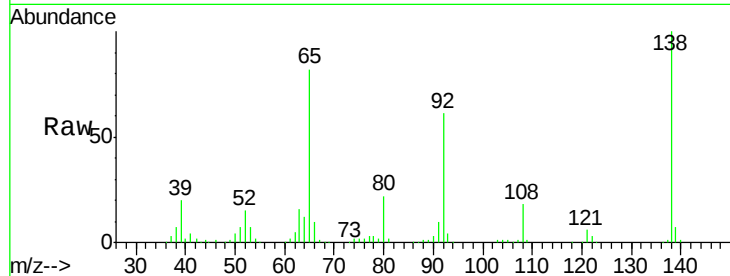
#47  
 2-Nitroaniline  
 Concen: 55.308 ng  
 RT: 9.56 min Scan# 1270  
 Delta R.T. 0.01 min  
 Lab File: BF103738.D  
 Acq: 17 Mar 2018 12:31

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HR-05-031518-AMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 74.4  | 55.8  | 83.6  |
| 138     | 121.5 | 91.2  | 136.8 |

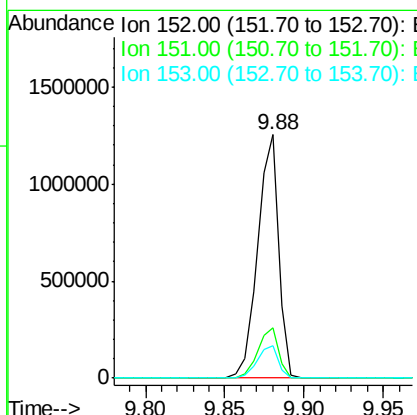
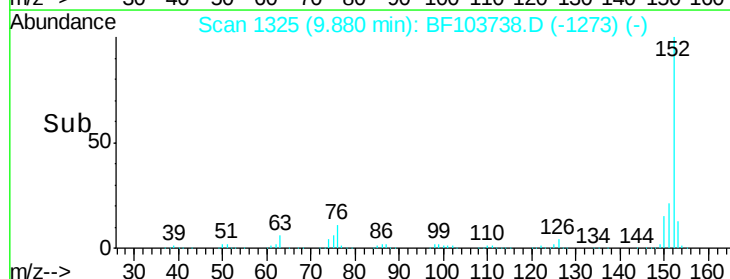
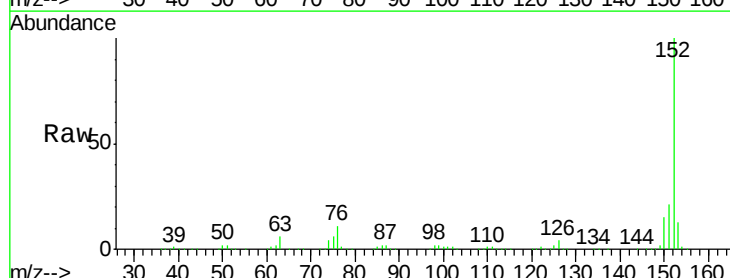
Manual Integrations  
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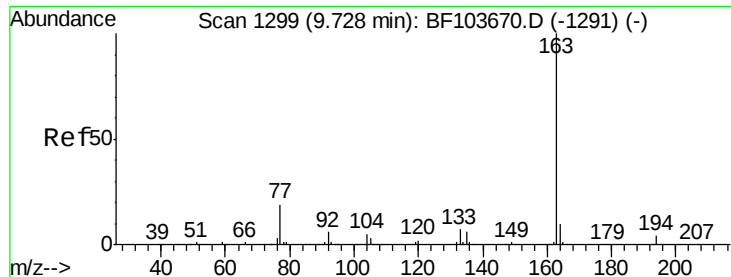
Sohil  
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#48  
 Acenaphthylene  
 Concen: 43.719 ng  
 RT: 9.88 min Scan# 1325  
 Delta R.T. 0.01 min  
 Lab File: BF103738.D  
 Acq: 17 Mar 2018 12:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 20.6  | 16.3  | 24.5  |
| 153     | 13.5  | 10.7  | 16.1  |





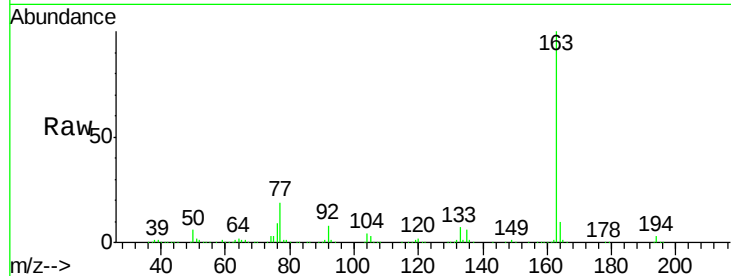
#49  
Dimethylphthalate  
Concen: 49.930 ng  
RT: 9.73 min Scan# 1300  
Delta R.T. 0.01 min  
Lab File: BF103738.D  
Acq: 17 Mar 2018 12:31

Instrument :  
BNA\_F  
ClientSampleId :  
HR-05-031518-AMS

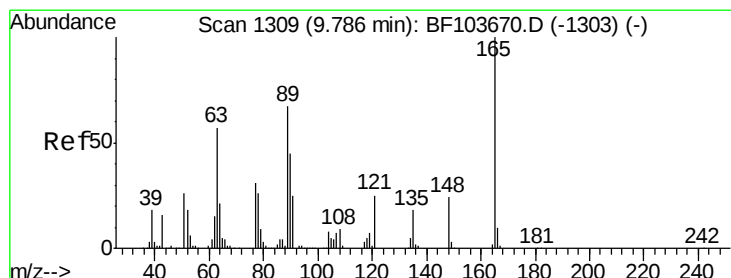
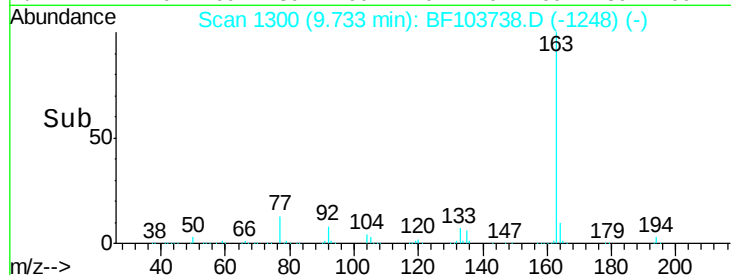
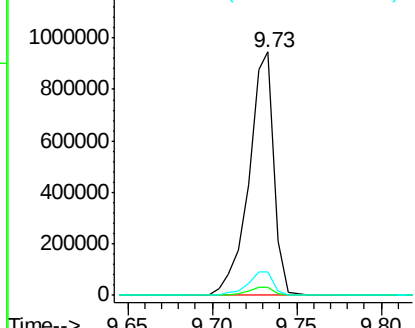
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 163     | 100   | 978550 |       |       |
| 194     | 3.5   |        | 2.7   | 4.1   |
| 164     | 9.8   |        | 8.2   | 12.2  |

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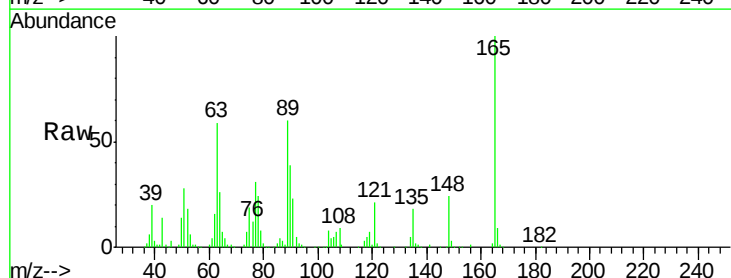


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

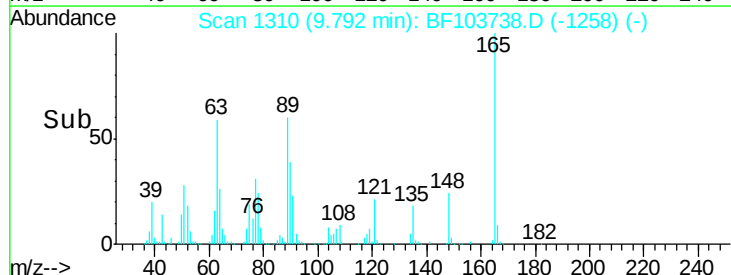
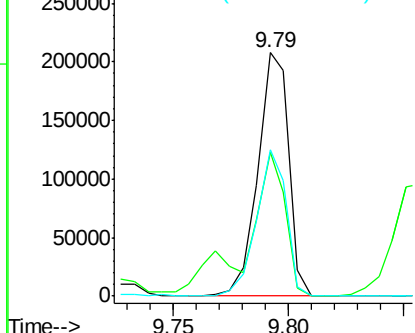


#50  
2,6-Dinitrotoluene  
Concen: 50.741 ng  
RT: 9.79 min Scan# 1310  
Delta R.T. 0.01 min  
Lab File: BF103738.D  
Acq: 17 Mar 2018 12:31

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 165     | 100   | 193311 |       |       |
| 63      | 59.2  |        | 44.7  | 67.1  |
| 89      | 60.0  |        | 44.0  | 66.0  |



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





#51

Acenaphthene

Concen: 44.187 ng

RT: 10.05 min Scan# 1354

Delta R.T. 0.01 min

Lab File: BF103738.D

Acq: 17 Mar 2018 12:31

Instrument :

BNA\_F

ClientSampleId :

HR-05-031518-AMS

Tot Ion:154 Resp: 692178

Ion Ratio Lower Upper

154 100

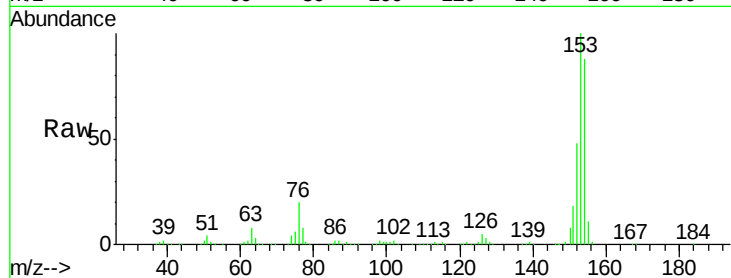
153 114.2 91.2 136.8

152 54.9 43.8 65.8

Manual Integrations  
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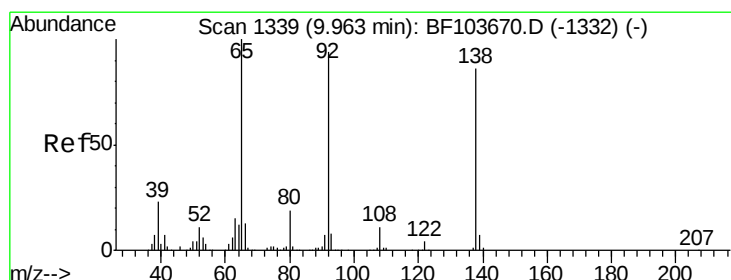
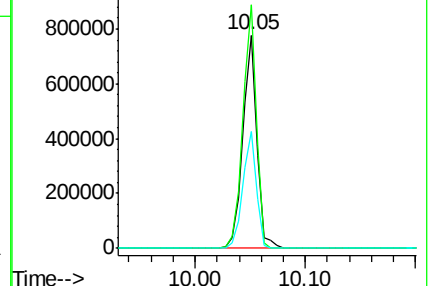
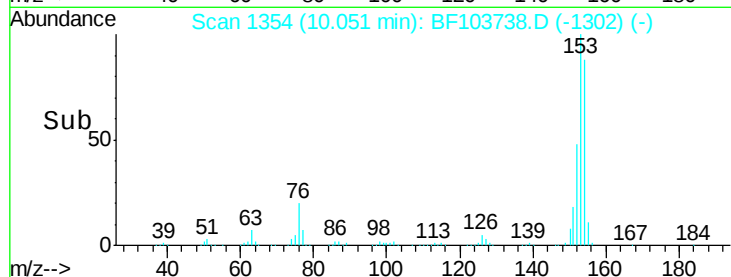
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 26.580 ng

RT: 9.96 min Scan# 1339

Delta R.T. 0.00 min

Lab File: BF103738.D

Acq: 17 Mar 2018 12:31

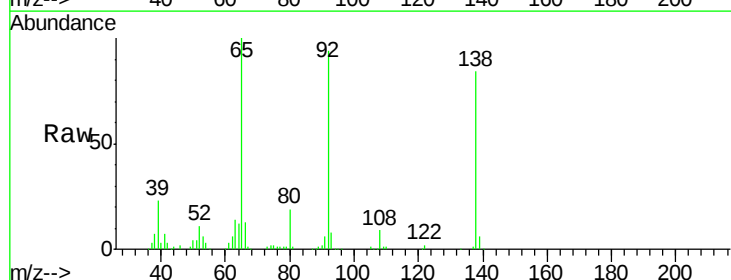
Tgt Ion:138 Resp: 112373

Ion Ratio Lower Upper

138 100

108 11.0 9.4 14.0

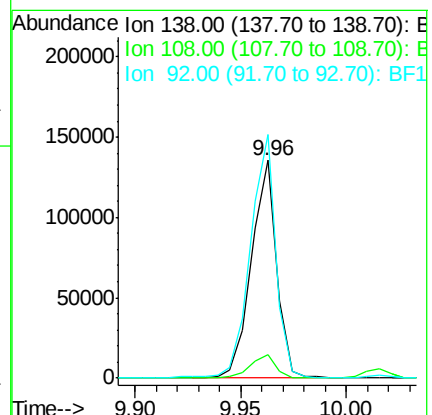
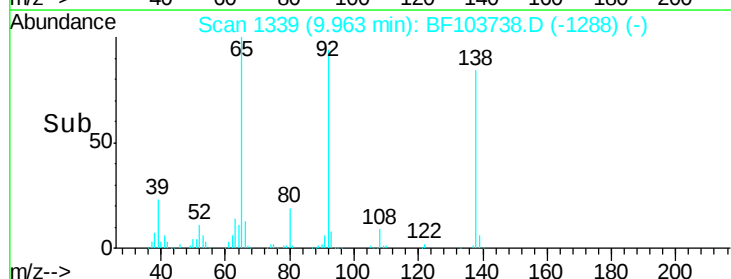
92 111.7 89.4 134.2

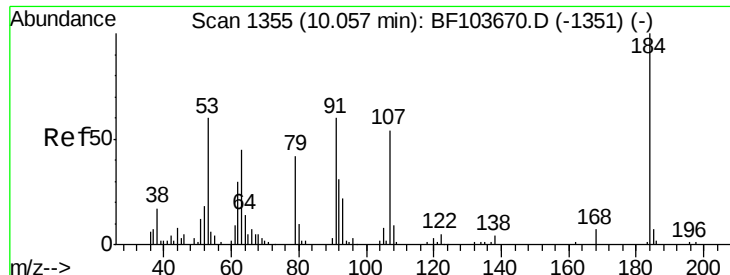


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1





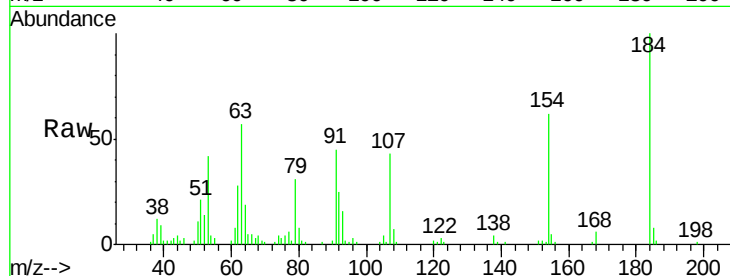
#53  
2,4-Dinitrophenol  
Concen: 47.664 ng  
RT: 10.07 min Scan# 1357  
Delta R.T. 0.01 min  
Lab File: BF103738.D  
Acq: 17 Mar 2018 12:31

Instrument :  
BNA\_F  
ClientSampleId :  
HR-05-031518-AMS

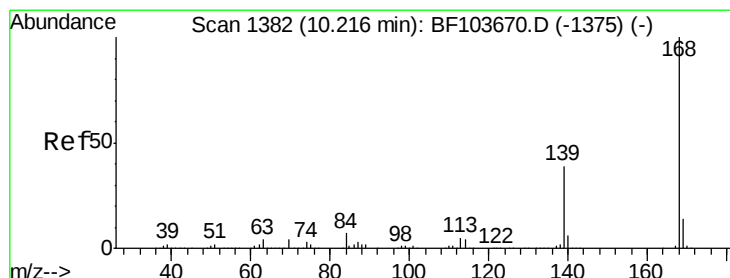
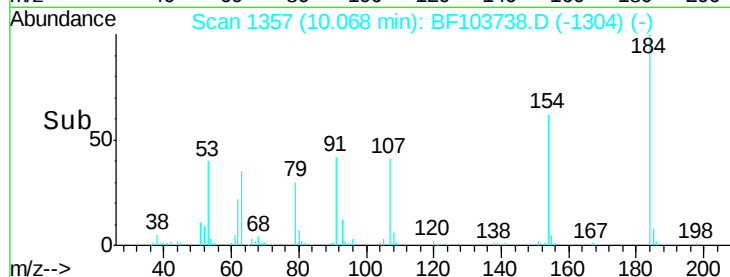
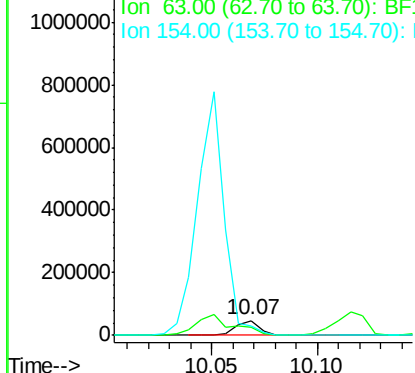
| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 184     | 100   |       |        |
| 63      | 57.4  | 54.2  | 81.2   |
| 154     | 61.9  | 184.0 | 276.0# |

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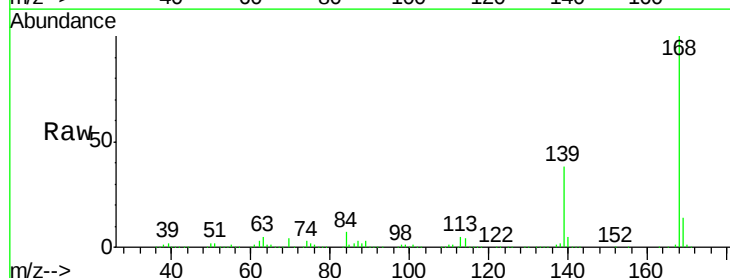


Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 154.00 (153.70 to 154.70): E

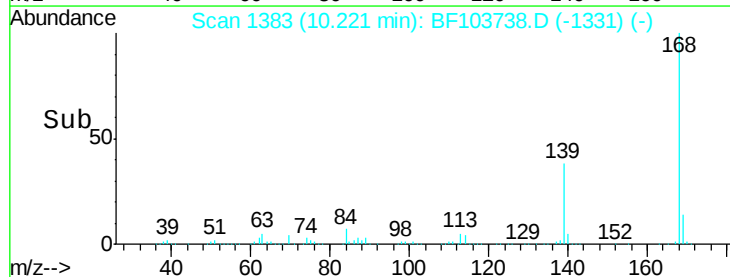
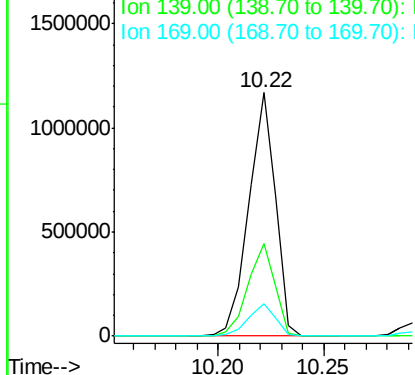


#54  
Dibenzofuran  
Concen: 45.868 ng  
RT: 10.22 min Scan# 1383  
Delta R.T. 0.01 min  
Lab File: BF103738.D  
Acq: 17 Mar 2018 12:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 38.1  | 30.1  | 45.1  |
| 169     | 13.6  | 10.9  | 16.3  |



Abundance Ion 168.00 (167.70 to 168.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 169.00 (168.70 to 169.70): E





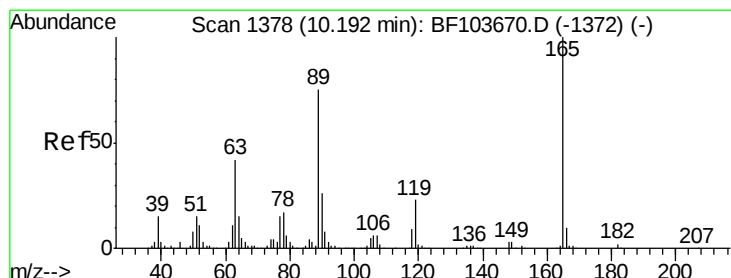
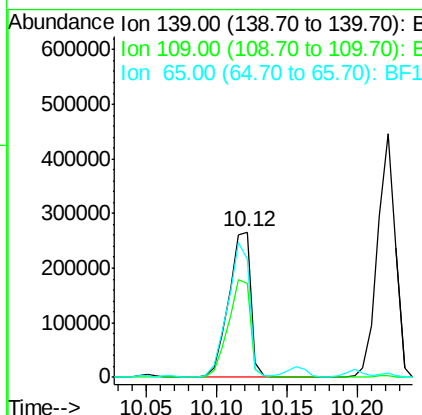
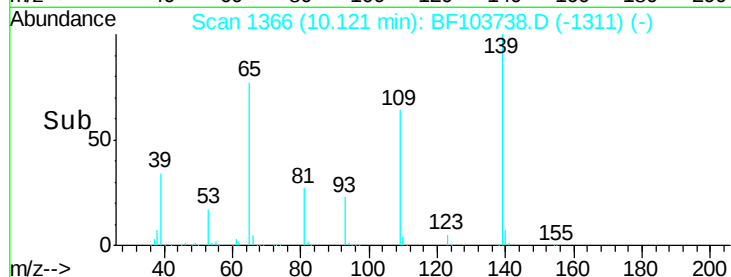
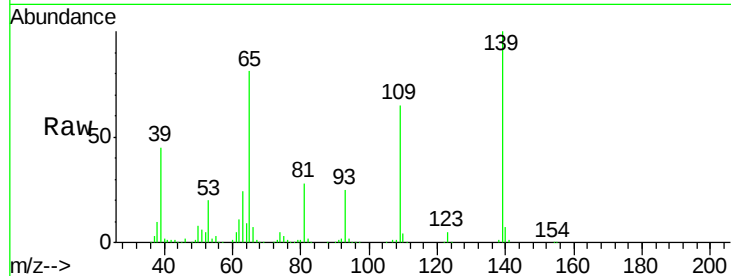
#55  
4-Nitrophenol  
Concen: 80.953 ng  
RT: 10.12 min Scan# 1366  
Delta R.T. 0.02 min  
Lab File: BF103738.D  
Acq: 17 Mar 2018 12:31

Instrument :  
BNA\_F  
ClientSampleId :  
HR-05-031518-AMS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 139     | 100   | 290697 |       |       |
| 109     | 65.0  | 48.4   | 88.4  |       |
| 65      | 81.0  | 72.6   | 112.6 |       |

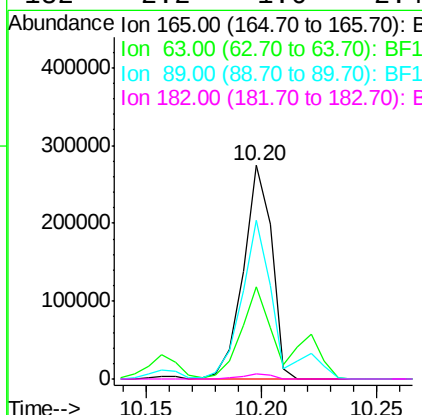
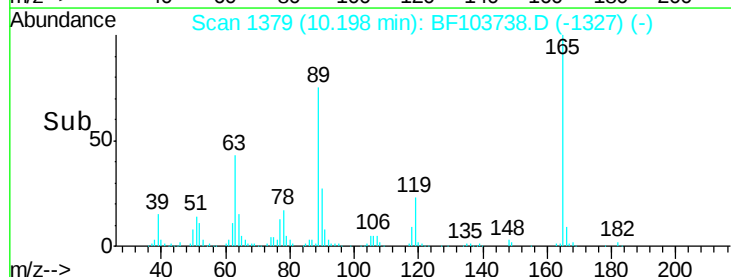
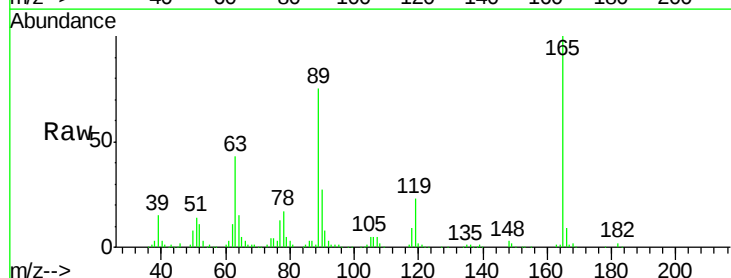
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#56  
2,4-Dinitrotoluene  
Concen: 49.214 ng  
RT: 10.20 min Scan# 1379  
Delta R.T. 0.01 min  
Lab File: BF103738.D  
Acq: 17 Mar 2018 12:31

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 165     | 100   | 237247 |       |       |
| 63      | 43.2  | 36.4   | 54.6  |       |
| 89      | 74.5  | 57.8   | 86.6  |       |
| 182     | 2.2   | 1.6    | 2.4   |       |





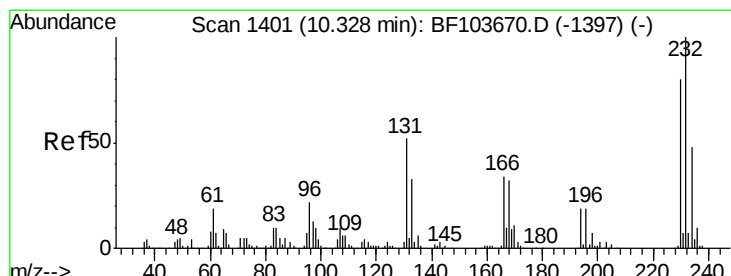
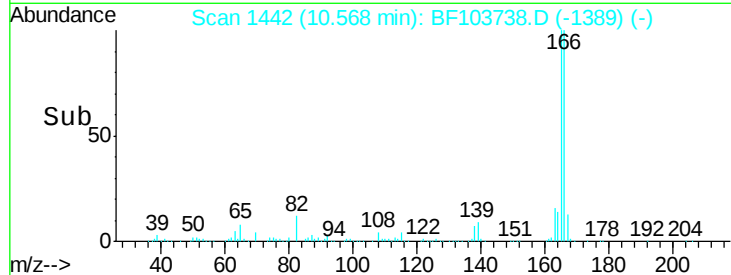
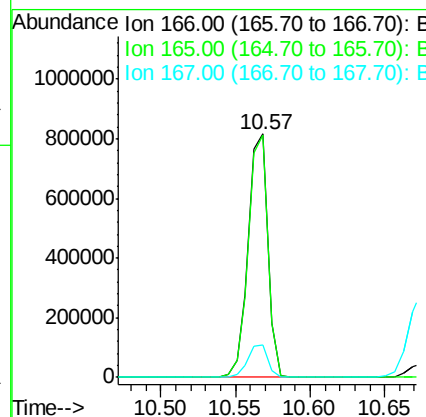
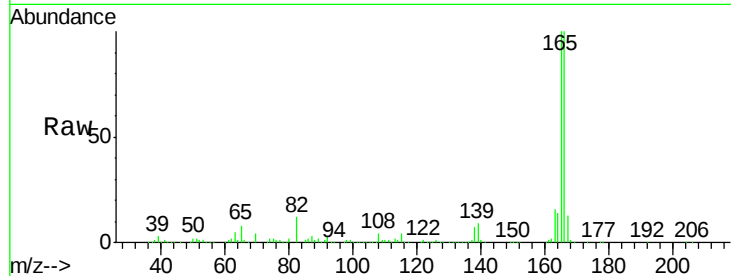
#57  
 Fluorene  
 Concen: 43.131 ng  
 RT: 10.57 min Scan# 1442  
 Delta R.T. 0.01 min  
 Lab File: BF103738.D  
 Acq: 17 Mar 2018 12:31

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HR-05-031518-AMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 99.7  | 79.8  | 119.8 |
| 167     | 13.3  | 10.6  | 16.0  |

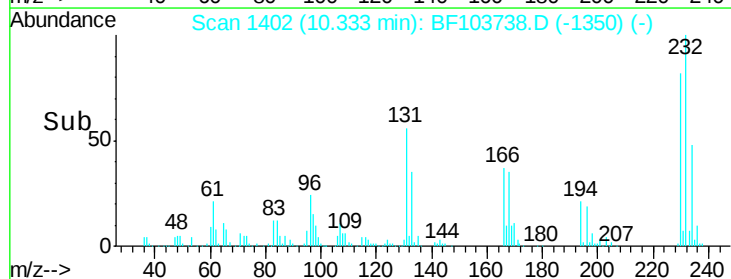
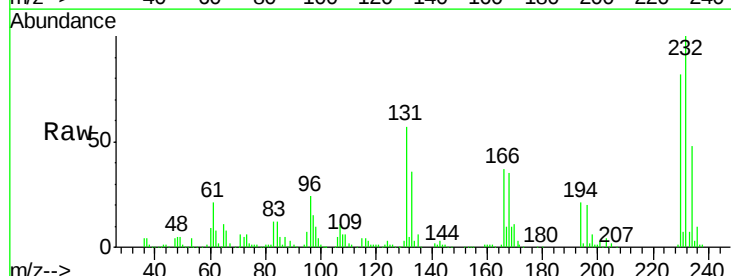
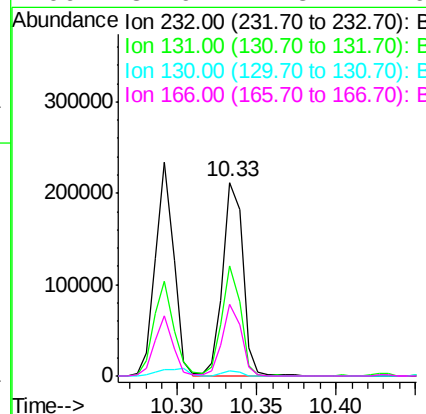
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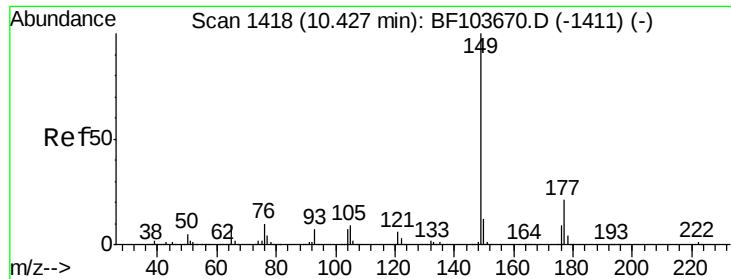
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#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 50.217 ng  
 RT: 10.33 min Scan# 1402  
 Delta R.T. 0.01 min  
 Lab File: BF103738.D  
 Acq: 17 Mar 2018 12:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 232     | 100   |       |       |
| 131     | 52.8  | 43.8  | 65.8  |
| 130     | 2.6   | 2.1   | 3.1   |
| 166     | 34.9  | 27.8  | 41.6  |





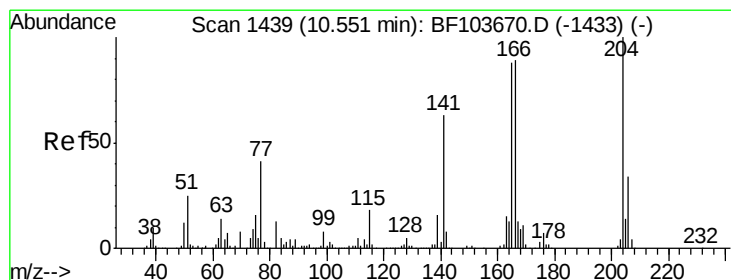
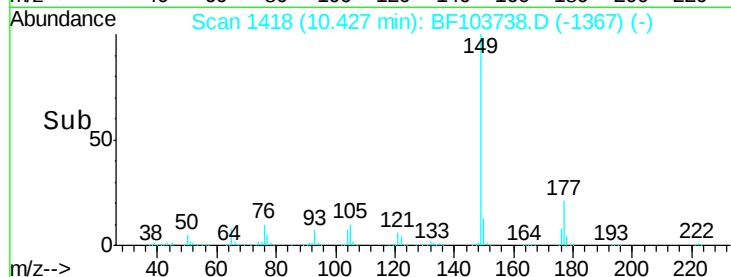
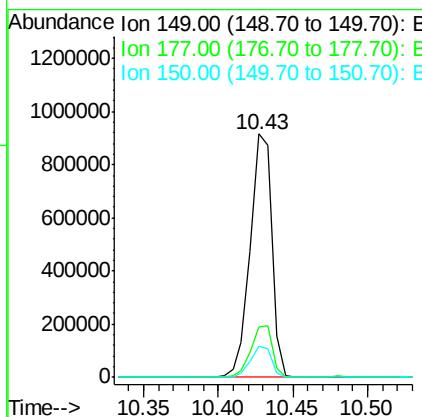
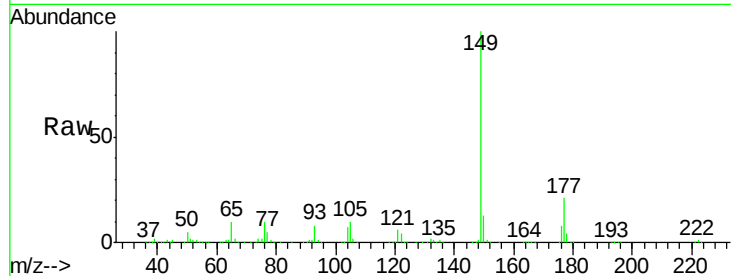
#59  
Diethylphthalate  
Concen: 47.019 ng  
RT: 10.43 min Scan# 1418  
Delta R.T. -0.00 min  
Lab File: BF103738.D  
Acq: 17 Mar 2018 12:31

Instrument :  
BNA\_F  
ClientSampleId :  
HR-05-031518-AMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 20.9  | 16.1  | 24.1  |
| 150     | 12.8  | 10.1  | 15.1  |

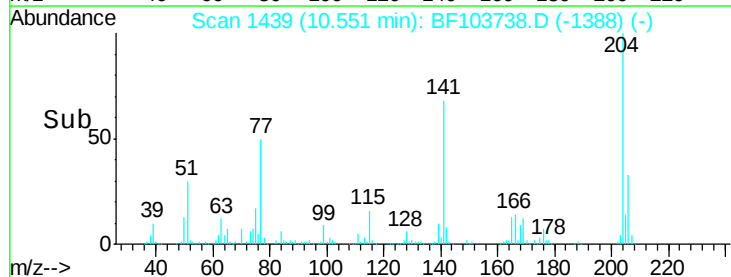
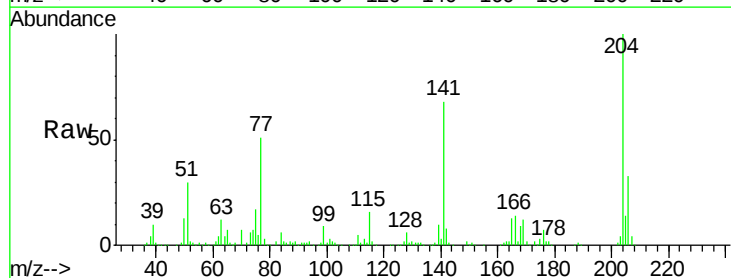
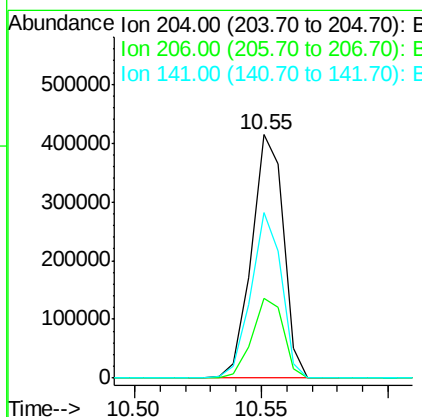
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#60  
4-Chlorophenyl-phenylether  
Concen: 45.705 ng  
RT: 10.55 min Scan# 1439  
Delta R.T. -0.00 min  
Lab File: BF103738.D  
Acq: 17 Mar 2018 12:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 32.6  | 26.5  | 39.7  |
| 141     | 68.2  | 54.6  | 81.8  |





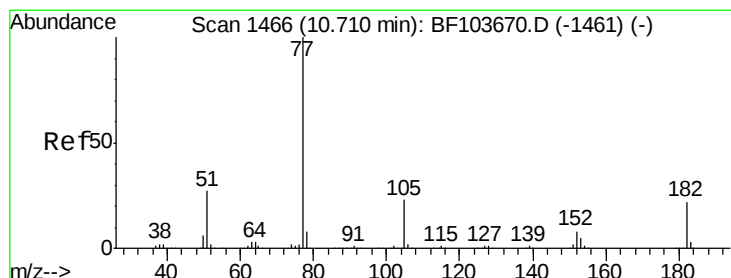
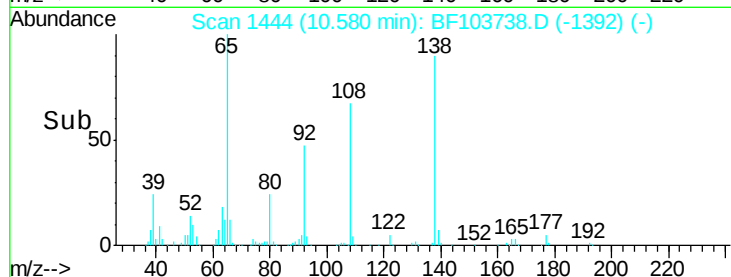
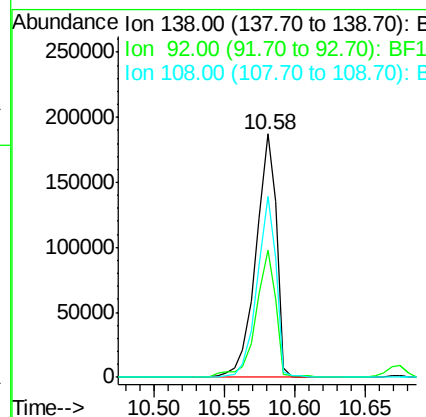
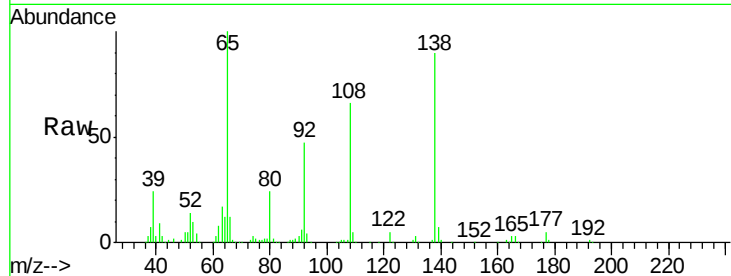
#61  
4-Nitroaniline  
Concen: 44.411 ng  
RT: 10.58 min Scan# 1444  
Delta R.T. 0.01 min  
Lab File: BF103738.D  
Acq: 17 Mar 2018 12:31

Instrument :  
BNA\_F  
ClientSampleId :  
HR-05-031518-AMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 52.0  | 30.2  | 70.2  |
| 108     | 74.1  | 52.5  | 92.5  |

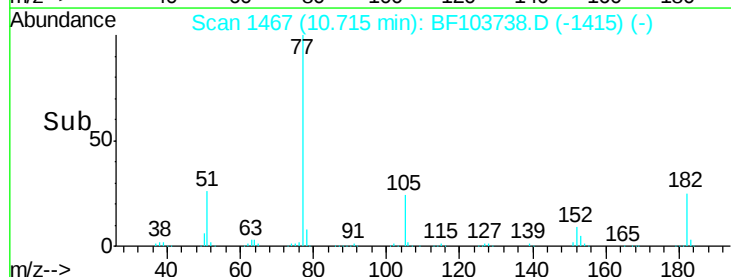
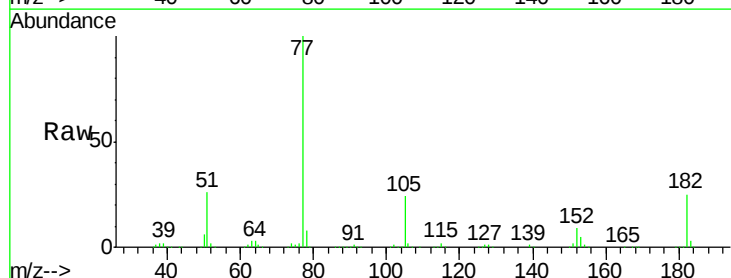
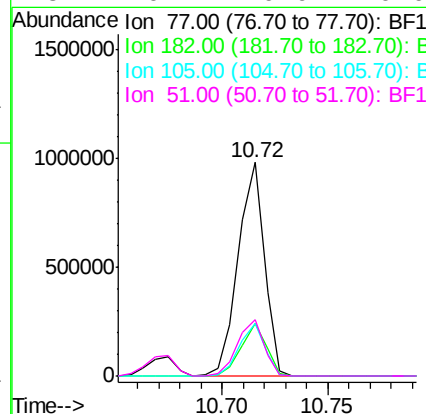
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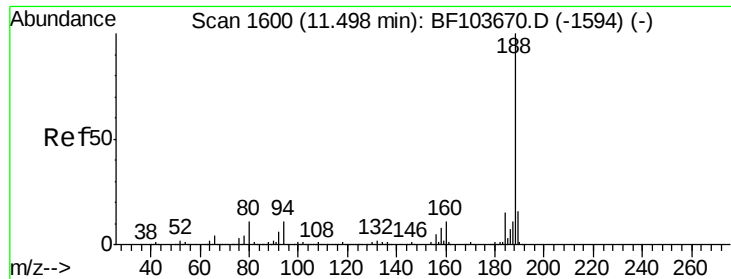
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#62  
Azobenzene  
Concen: 42.483 ng  
RT: 10.72 min Scan# 1467  
Delta R.T. 0.01 min  
Lab File: BF103738.D  
Acq: 17 Mar 2018 12:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 182     | 24.7  | 1.7   | 41.7  |
| 105     | 24.3  | 3.0   | 43.0  |
| 51      | 26.2  | 9.9   | 49.9  |





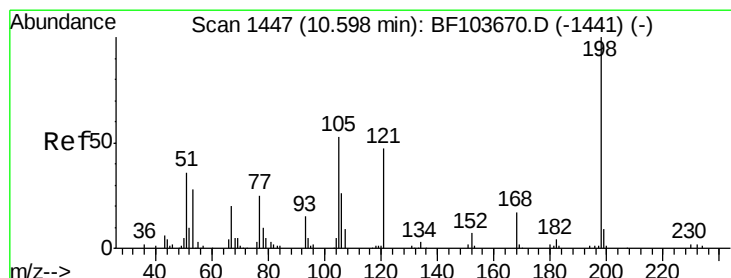
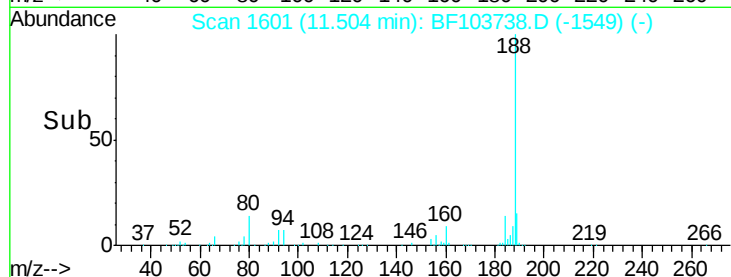
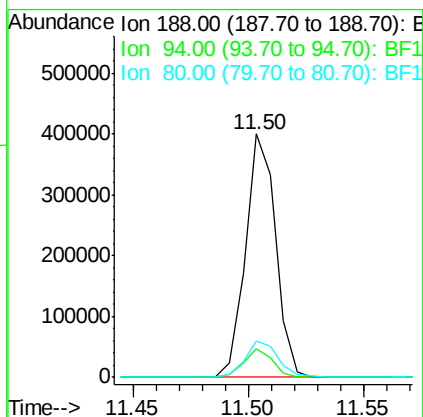
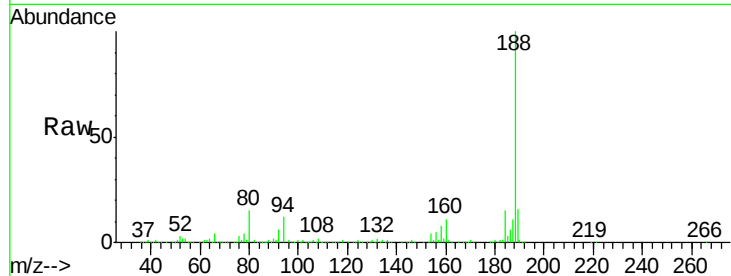
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.50 min Scan# 1601  
Delta R.T. 0.01 min  
Lab File: BF103738.D  
Acq: 17 Mar 2018 12:31

Instrument :  
BNA\_F  
ClientSampleId :  
HR-05-031518-AMS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 188     | 100   | 365297 |       |       |
| 94      | 11.6  |        | 8.5   | 12.7  |
| 80      | 15.1  |        | 9.2   | 13.8# |

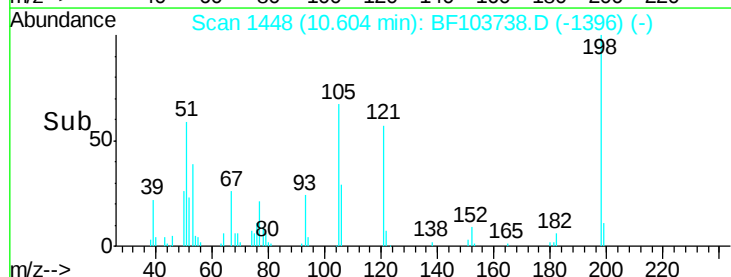
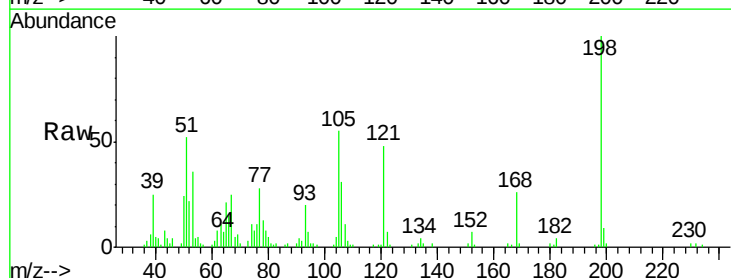
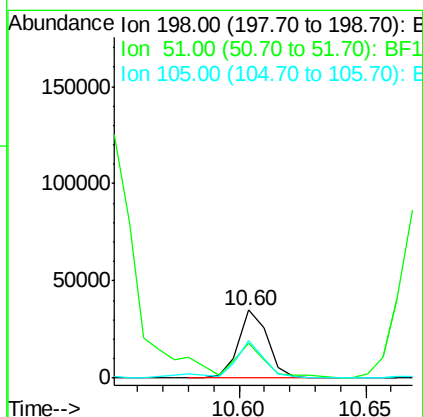
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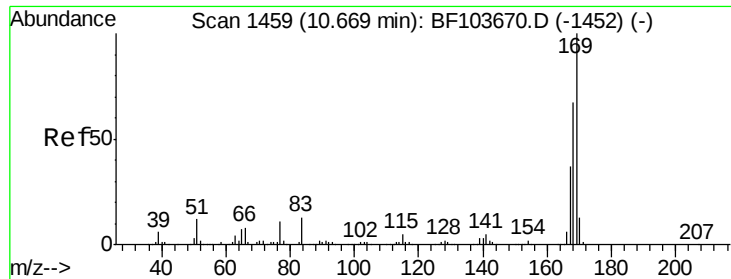
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#64  
4,6-Dinitro-2-methylphenol  
Concen: 27.793 ng  
RT: 10.60 min Scan# 1448  
Delta R.T. 0.01 min  
Lab File: BF103738.D  
Acq: 17 Mar 2018 12:31

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 198     | 100   | 27751 |       |       |
| 51      | 52.4  |       | 37.7  | 77.7  |
| 105     | 55.2  |       | 36.3  | 76.3  |





#65

n-Nitrosodiphenylamine

Concen: 55.832 ng

RT: 10.67 min Scan# 1460

Delta R.T. 0.01 min

Lab File: BF103738.D

Acq: 17 Mar 2018 12:31

Instrument :

BNA\_F

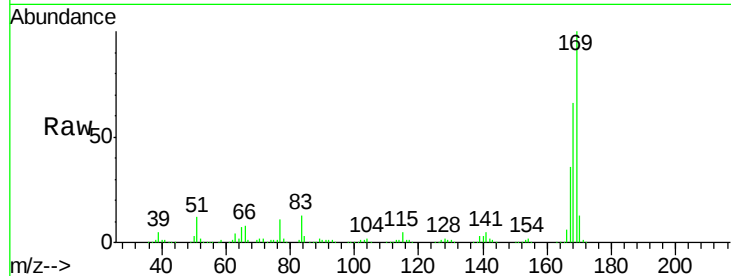
ClientSampleId :

HR-05-031518-AMS

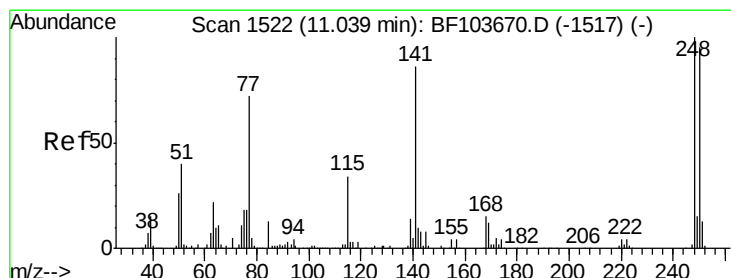
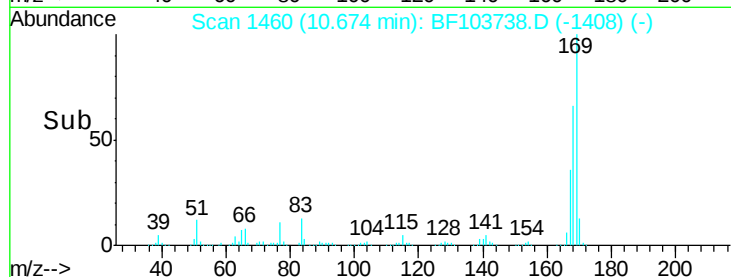
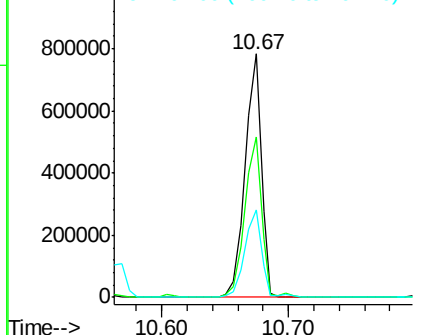
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 169   | Resp: | 694218 |
| Ion Ratio | Lower | Upper |        |
| 169       | 100   |       |        |
| 168       | 66.0  | 54.4  | 81.6   |
| 167       | 36.1  | 29.8  | 44.6   |

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



#66

4-Bromophenyl-phenylether

Concen: 55.087 ng

RT: 11.04 min Scan# 1523

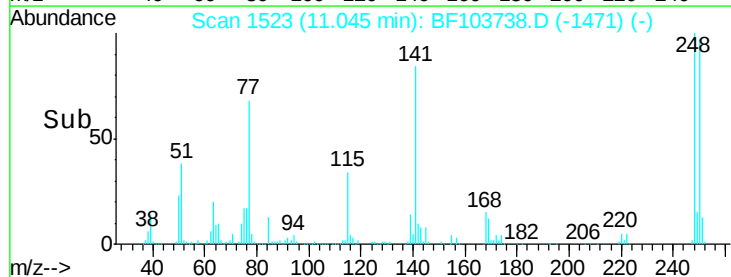
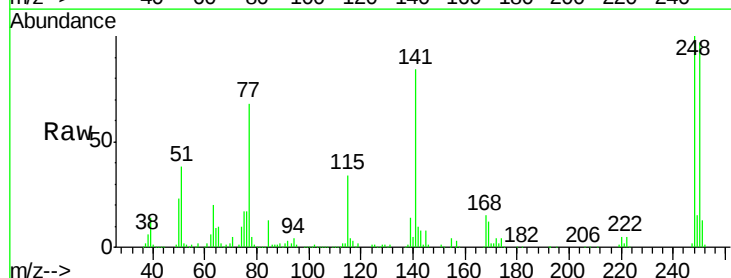
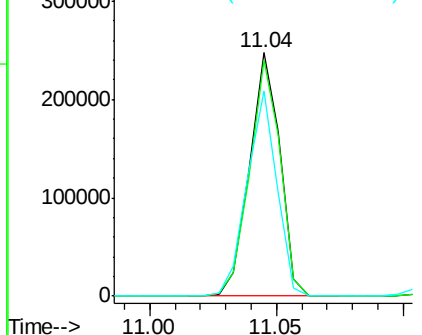
Delta R.T. 0.01 min

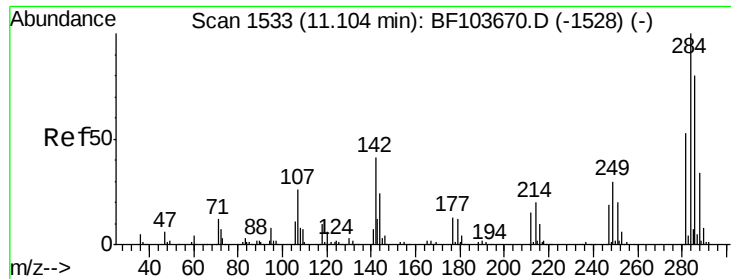
Lab File: BF103738.D

Acq: 17 Mar 2018 12:31

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 248   | Resp: | 206611 |
| Ion Ratio | Lower | Upper |        |
| 248       | 100   |       |        |
| 250       | 97.1  | 76.9  | 115.3  |
| 141       | 84.2  | 74.4  | 111.6  |

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





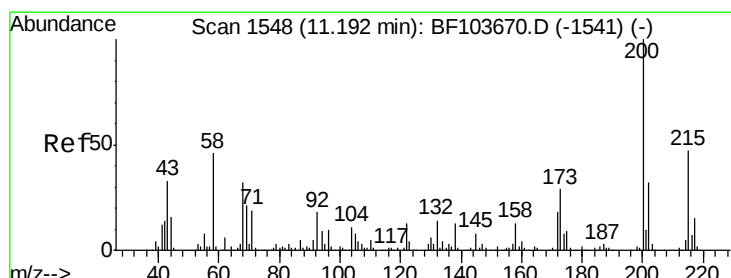
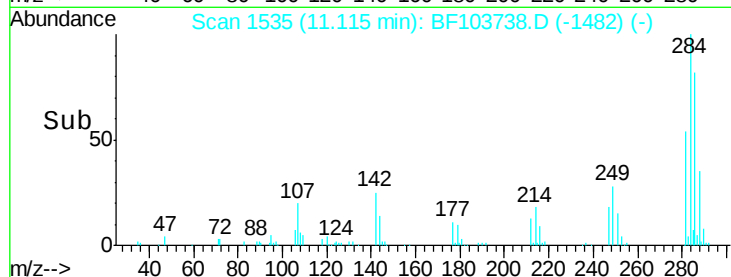
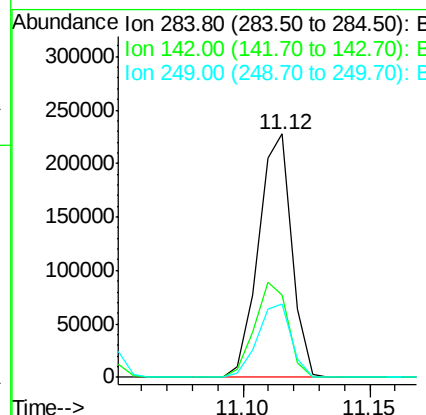
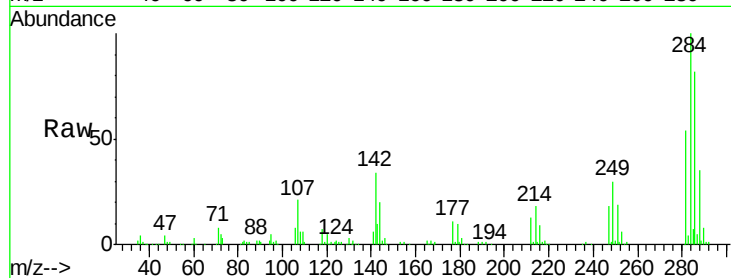
#67  
Hexachlorobenzene  
Concen: 48.407 ng  
RT: 11.12 min Scan# 1535  
Delta R.T. 0.01 min  
Lab File: BF103738.D  
Acq: 17 Mar 2018 12:31

Instrument :  
BNA\_F  
ClientSampleId :  
HR-05-031518-AMS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 284     | 100   | 207217 |       |       |
| 142     | 34.0  | 34.6   | 52.0  |       |
| 249     | 30.2  | 24.8   | 37.2  |       |

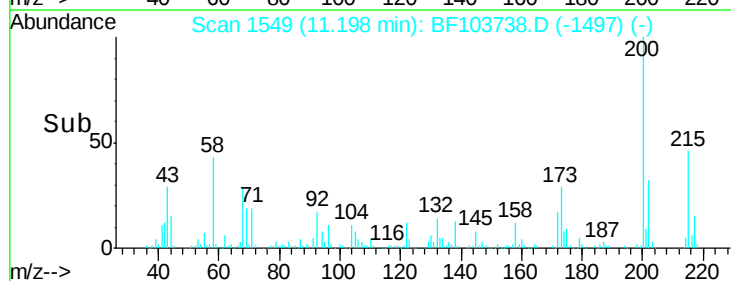
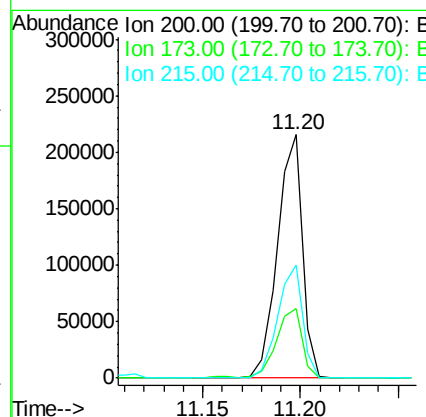
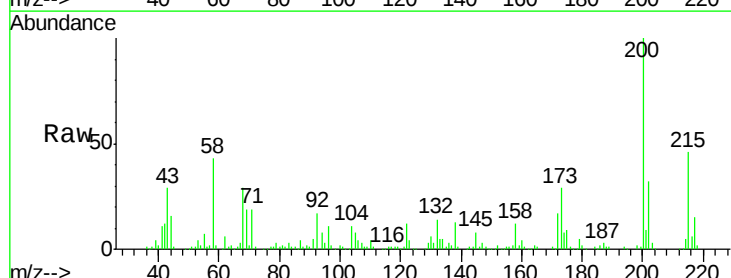
Manual Integrations  
APPROVED

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#68  
Atrazine  
Concen: 49.497 ng  
RT: 11.20 min Scan# 1549  
Delta R.T. 0.01 min  
Lab File: BF103738.D  
Acq: 17 Mar 2018 12:31

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 200     | 100   | 190382 |       |       |
| 173     | 28.6  | 8.6    | 48.6  |       |
| 215     | 46.2  | 25.1   | 65.1  |       |





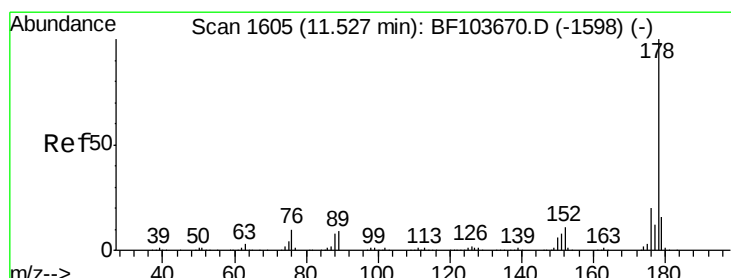
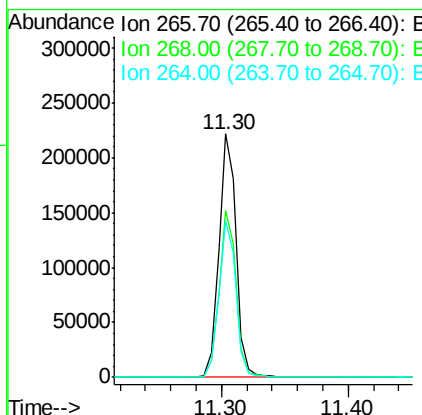
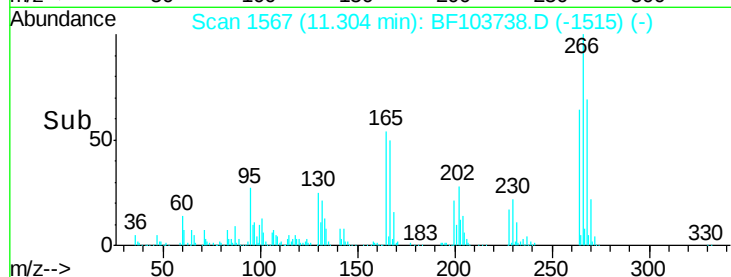
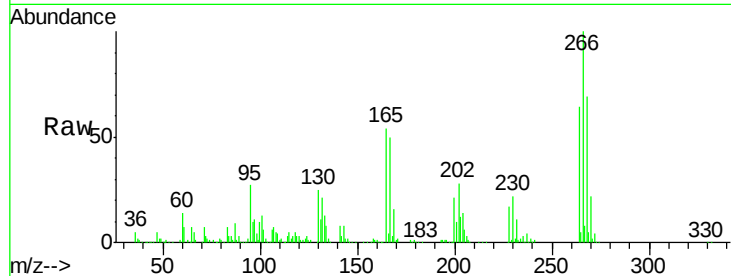
#69  
 Pentachlorophenol  
 Concen: 86.061 ng  
 RT: 11.30 min Scan# 1567  
 Delta R.T. 0.01 min  
 Lab File: BF103738.D  
 Acq: 17 Mar 2018 12:31

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HR-05-031518-AMS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 266     | 100   |      |       |       |
| 268     | 68.6  | 51.1 | 76.7  |       |
| 264     | 64.5  | 49.5 | 74.3  |       |

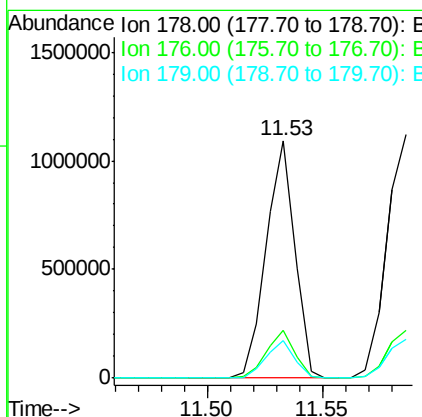
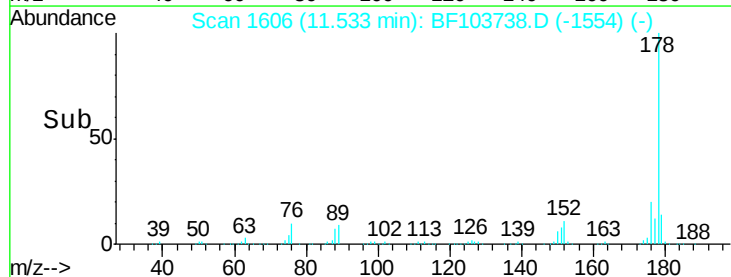
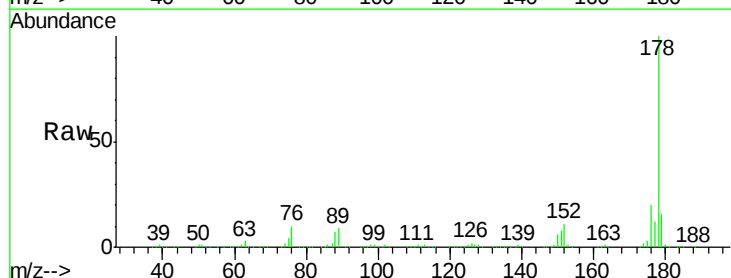
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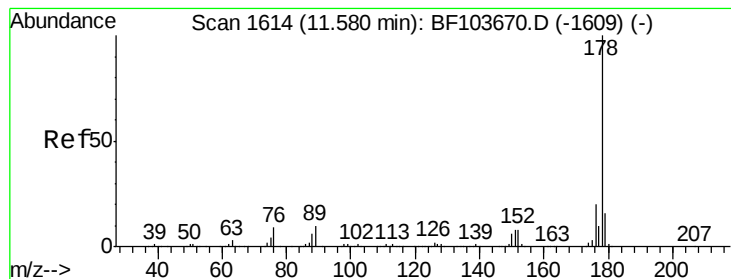
Sohil  
 3/19/2018 2:03:14 PM



#70  
 Phenanthrene  
 Concen: 47.360 ng  
 RT: 11.53 min Scan# 1606  
 Delta R.T. 0.01 min  
 Lab File: BF103738.D  
 Acq: 17 Mar 2018 12:31

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 178     | 100   |      |       |       |
| 176     | 20.1  | 15.8 | 23.8  |       |
| 179     | 15.7  | 13.0 | 19.6  |       |





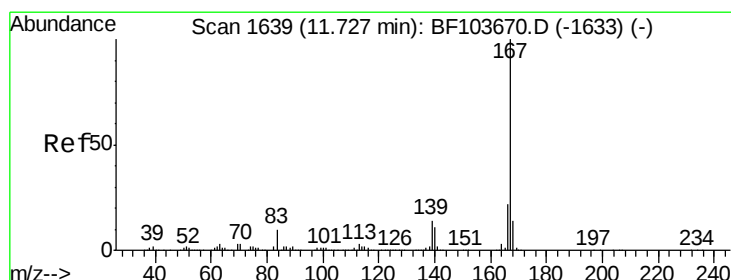
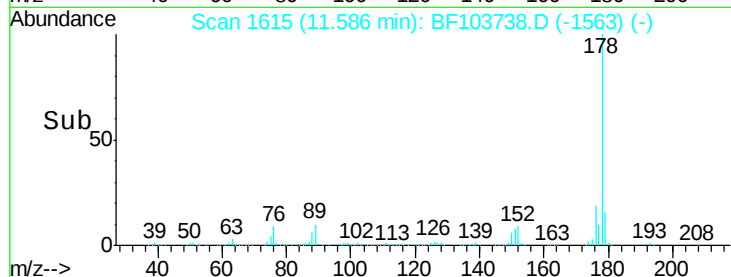
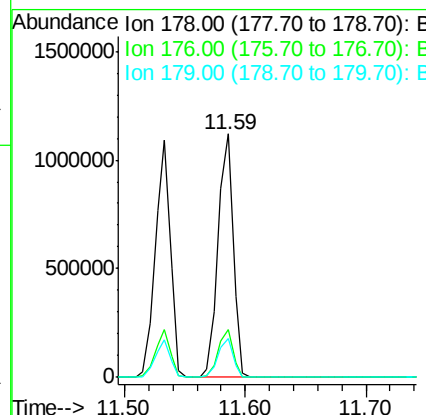
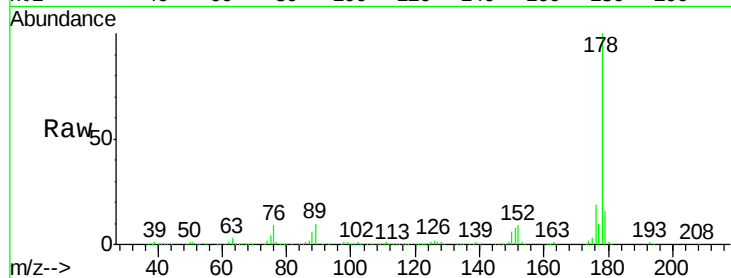
#71  
 Anthracene  
 Concen: 47.436 ng  
 RT: 11.59 min Scan# 1615  
 Delta R.T. 0.01 min  
 Lab File: BF103738.D  
 Acq: 17 Mar 2018 12:31

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HR-05-031518-AMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.4  | 15.4  | 23.2  |
| 179     | 15.8  | 12.6  | 19.0  |

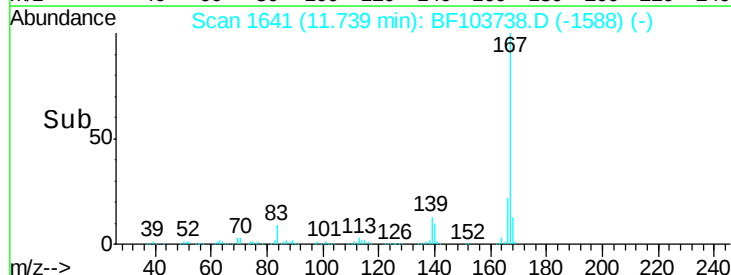
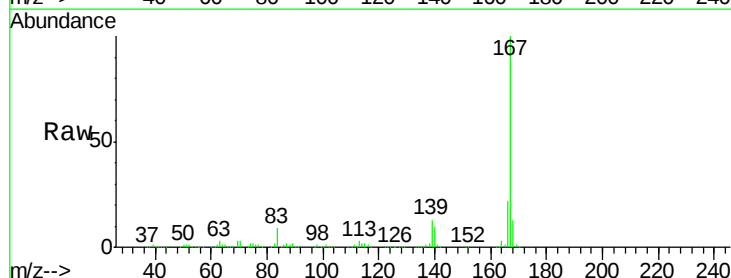
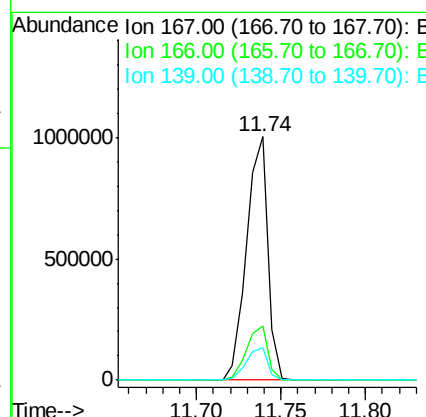
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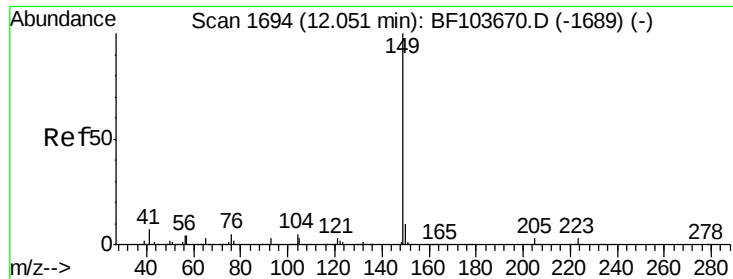
Sohil  
 3/19/2018 2:03:14 PM



#72  
 Carbazole  
 Concen: 44.725 ng  
 RT: 11.74 min Scan# 1641  
 Delta R.T. 0.01 min  
 Lab File: BF103738.D  
 Acq: 17 Mar 2018 12:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 22.1  | 17.6  | 26.4  |
| 139     | 13.1  | 10.9  | 16.3  |





#73

Di-n-butylphthalate

Concen: 51.959 ng

RT: 12.06 min Scan# 1695

Delta R.T. 0.01 min

Lab File: BF103738.D

Acq: 17 Mar 2018 12:31

Instrument :

BNA\_F

ClientSampleId :

HR-05-031518-AMS

Tot Ion:149 Resp: 1229842

Ion Ratio Lower Upper

149 100

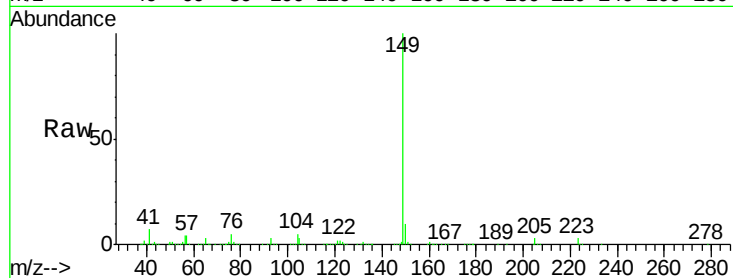
150 9.6 7.8 11.6

104 5.0 3.8 5.8

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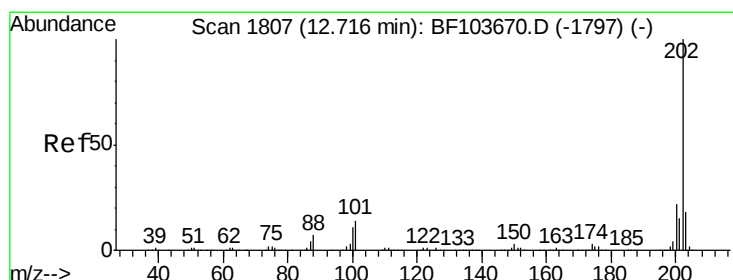
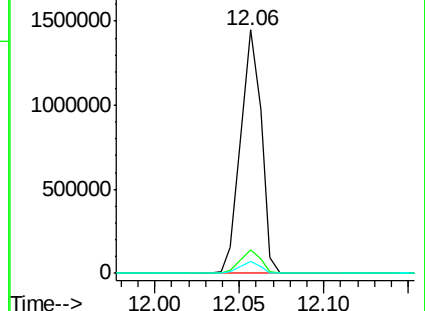
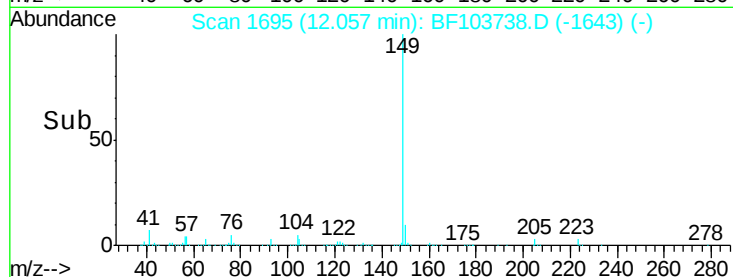
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 43.042 ng

RT: 12.73 min Scan# 1809

Delta R.T. 0.01 min

Lab File: BF103738.D

Acq: 17 Mar 2018 12:31

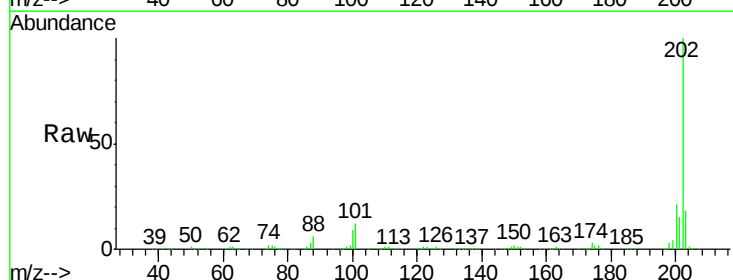
Tgt Ion:202 Resp: 886083

Ion Ratio Lower Upper

202 100

101 12.0 0.0 34.1

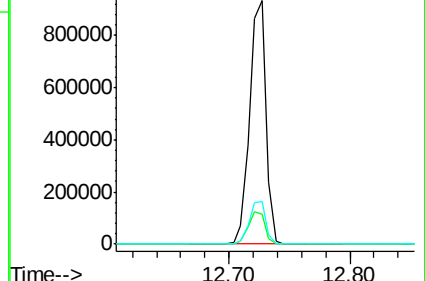
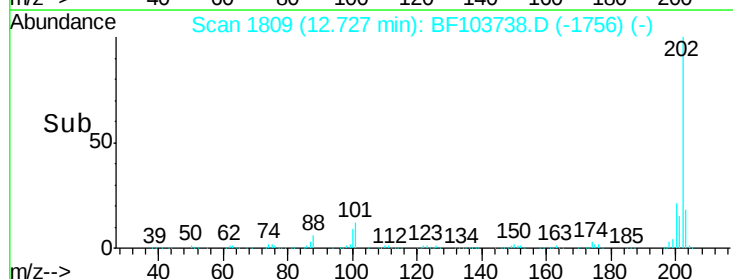
203 17.6 0.0 38.1

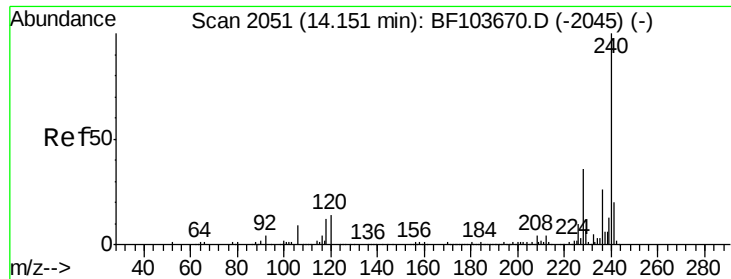


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2052

Delta R.T. 0.01 min

Lab File: BF103738.D

Acq: 17 Mar 2018 12:31

Instrument :

BNA\_F

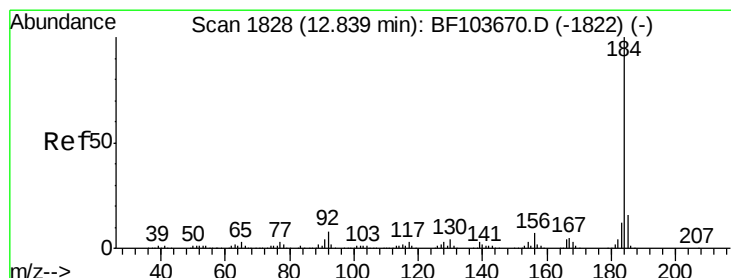
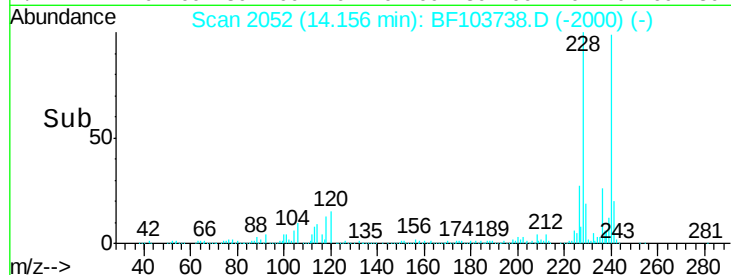
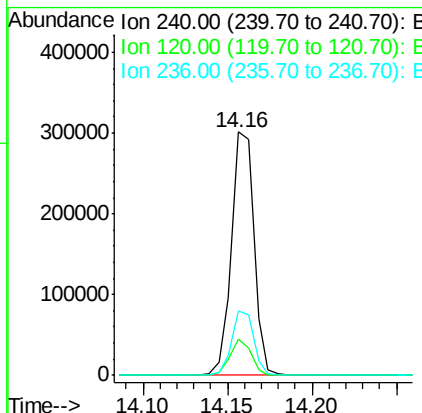
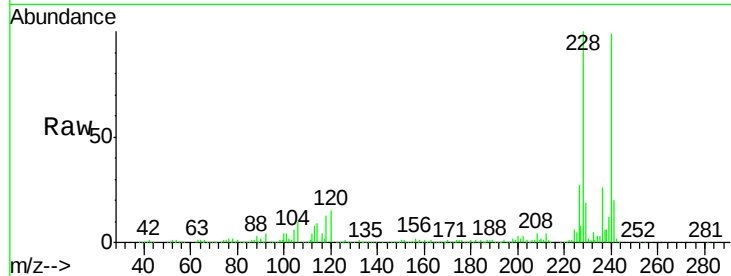
ClientSampleId :

HR-05-031518-AMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 15.0  | 9.5   | 14.3# |
| 236     | 26.3  | 20.7  | 31.1  |

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#76

Benzidine

Concen: 14.755 ng

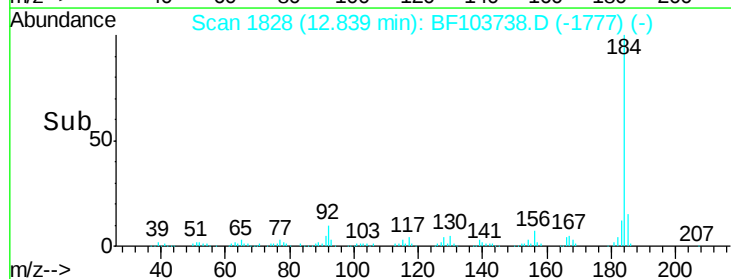
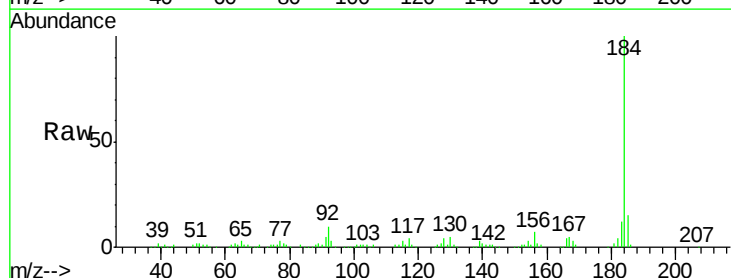
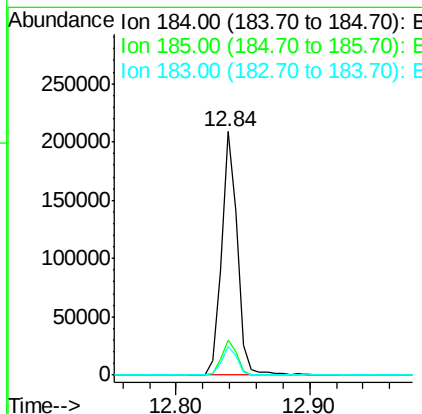
RT: 12.84 min Scan# 1828

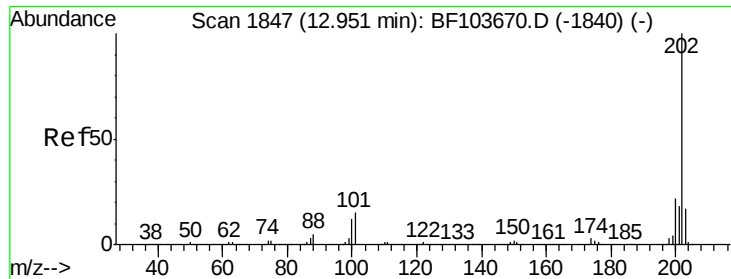
Delta R.T. -0.00 min

Lab File: BF103738.D

Acq: 17 Mar 2018 12:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 185     | 14.5  | 12.6  | 18.8  |
| 183     | 11.6  | 9.3   | 13.9  |





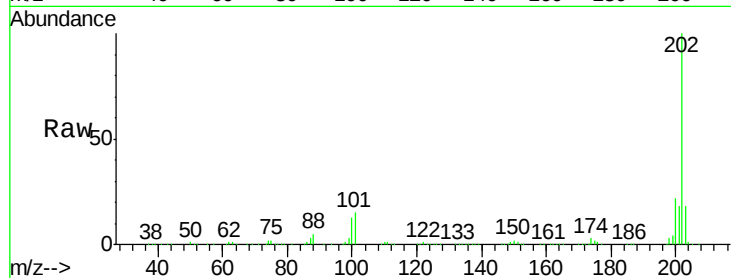
#77  
Pvrene  
Concen: 43.711 ng  
RT: 12.96 min Scan# 1848  
Delta R.T. 0.01 min  
Lab File: BF103738.D  
Acq: 17 Mar 2018 12:31

Instrument :  
BNA\_F  
ClientSampleId :  
HR-05-031518-AMS

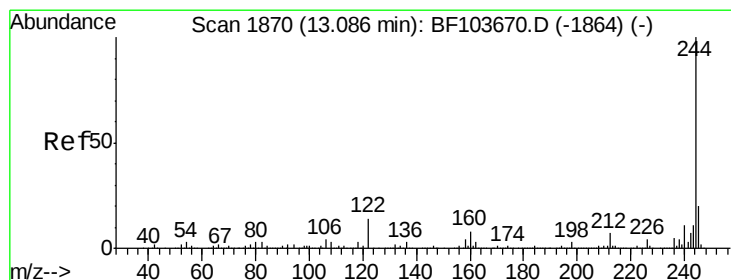
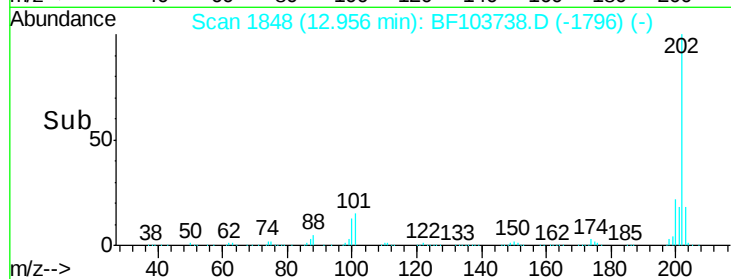
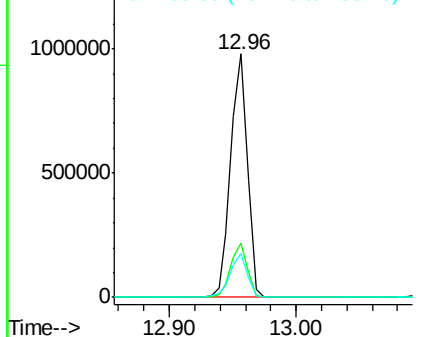
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 22.1  | 17.4  | 26.2  |
| 203     | 17.9  | 14.3  | 21.5  |

Manual Integrations  
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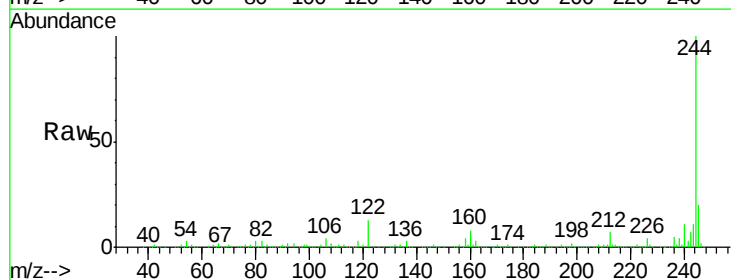


Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 200.00 (199.70 to 200.70): E  
Ion 203.00 (202.70 to 203.70): E

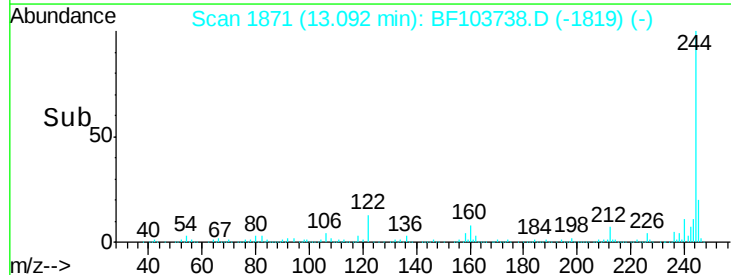
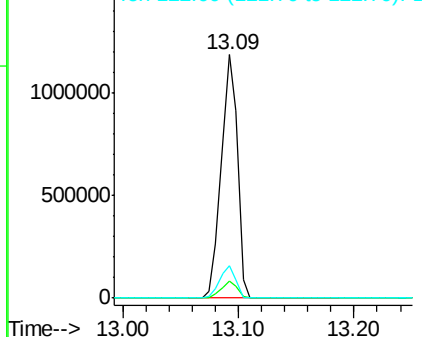


#78  
Terphenyl-d14  
Concen: 96.220 ng  
RT: 13.09 min Scan# 1871  
Delta R.T. 0.01 min  
Lab File: BF103738.D  
Acq: 17 Mar 2018 12:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 6.9   | 5.4   | 8.0   |
| 122     | 13.3  | 11.0  | 16.4  |



Abundance Ion 244.00 (243.70 to 244.70): E  
Ion 212.00 (211.70 to 212.70): E  
Ion 122.00 (121.70 to 122.70): E





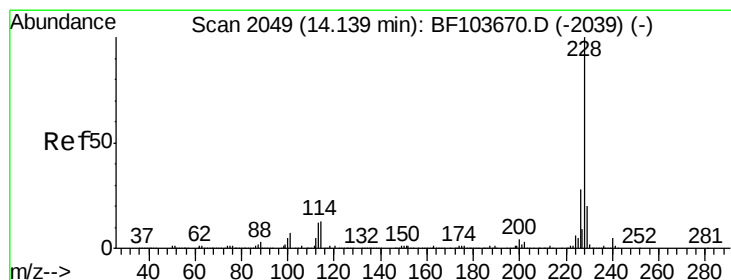
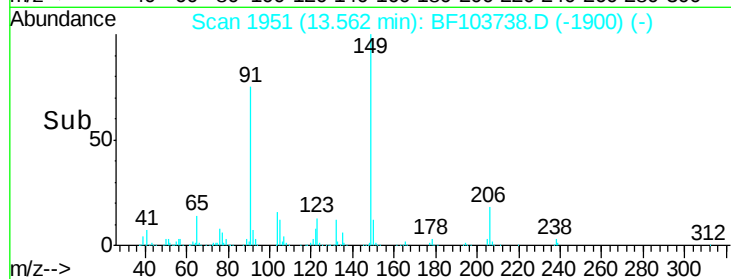
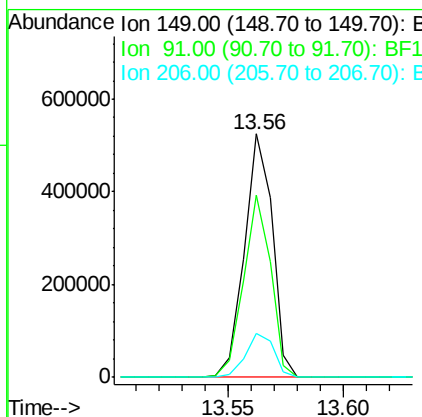
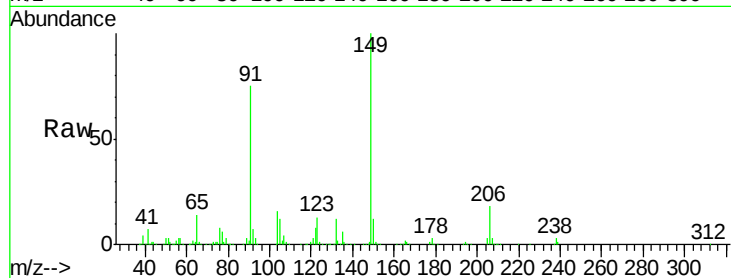
#79  
Butylbenzylphthalate  
Concen: 49.240 ng  
RT: 13.56 min Scan# 1951  
Delta R.T. -0.00 min  
Lab File: BF103738.D  
Acq: 17 Mar 2018 12:31

Instrument :  
BNA\_F  
ClientSampleId :  
HR-05-031518-AMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 74.6  | 56.8  | 85.2  |
| 206     | 18.0  | 14.1  | 21.1  |

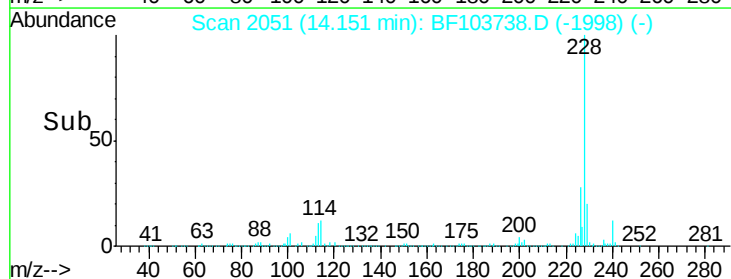
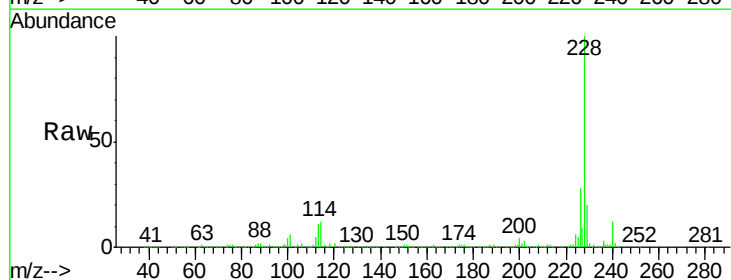
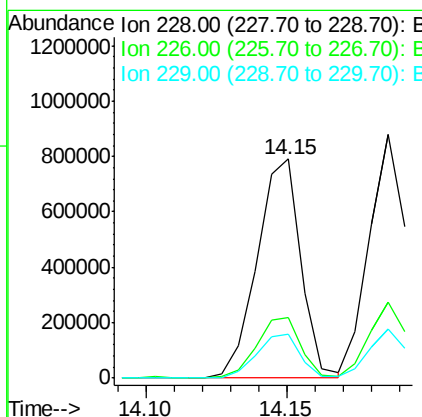
Manual Integrations  
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#80  
Benzo(a)anthracene  
Concen: 48.185 ng  
RT: 14.15 min Scan# 2051  
Delta R.T. 0.01 min  
Lab File: BF103738.D  
Acq: 17 Mar 2018 12:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 27.6  | 22.6  | 33.8  |
| 229     | 20.0  | 15.8  | 23.6  |





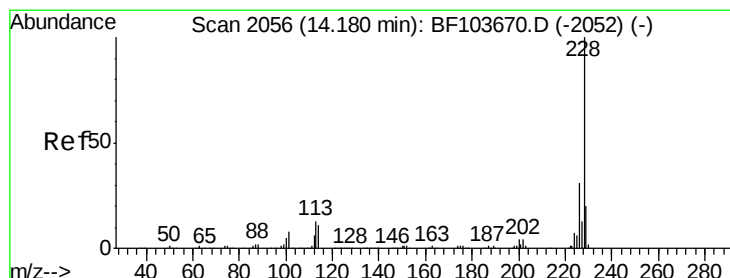
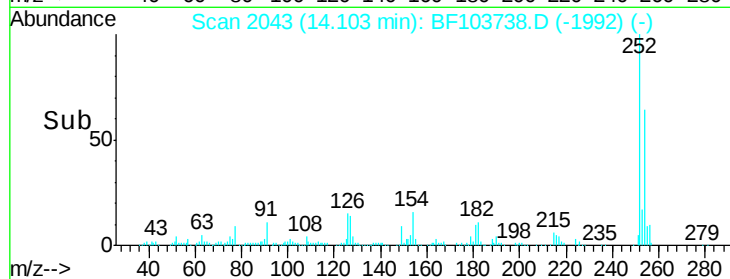
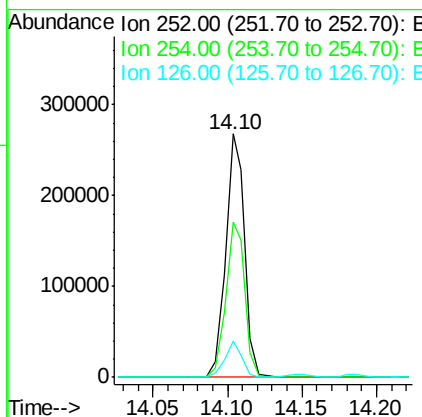
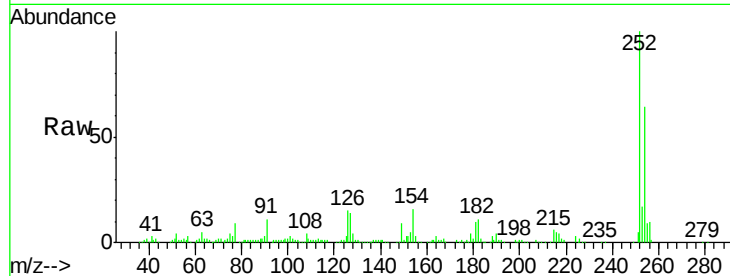
#81  
 3,3'-Dichlorobenzidine  
 Concen: 40.671 ng  
 RT: 14.10 min Scan# 2043  
 Delta R.T. -0.00 min  
 Lab File: BF103738.D  
 Acq: 17 Mar 2018 12:31

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HR-05-031518-AMS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 252     | 100   | 239454 |       |       |
| 254     | 63.7  | 50.4   | 75.6  |       |
| 126     | 14.8  | 11.3   | 16.9  |       |

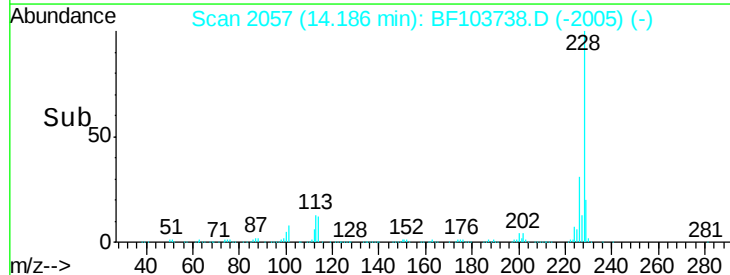
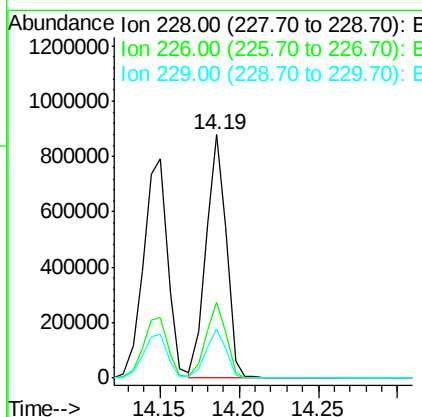
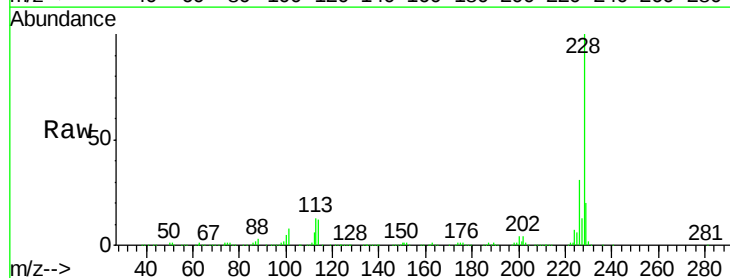
Manual Integrations  
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 3/19/2018 2:03:14 PM



#82  
 Chrysene  
 Concen: 46.948 ng  
 RT: 14.19 min Scan# 2057  
 Delta R.T. 0.01 min  
 Lab File: BF103738.D  
 Acq: 17 Mar 2018 12:31

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 228     | 100   | 787721 |       |       |
| 226     | 31.4  | 25.0   | 37.6  |       |
| 229     | 19.9  | 16.2   | 24.4  |       |





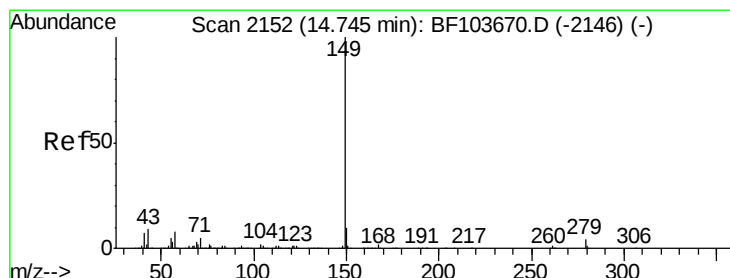
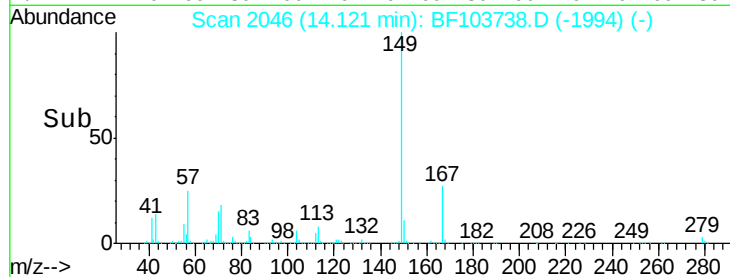
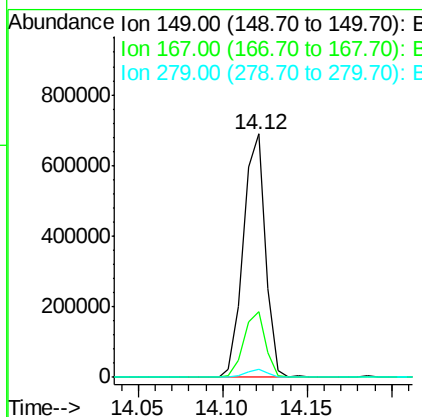
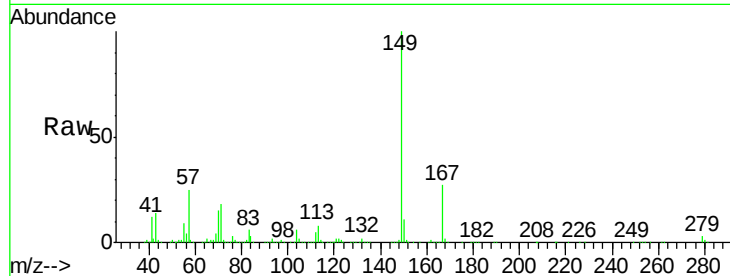
#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 48.933 ng  
 RT: 14.12 min Scan# 2046  
 Delta R.T. 0.01 min  
 Lab File: BF103738.D  
 Acq: 17 Mar 2018 12:31

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HR-05-031518-AMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 27.0  | 21.3  | 31.9  |
| 279     | 3.3   | 3.0   | 4.4   |

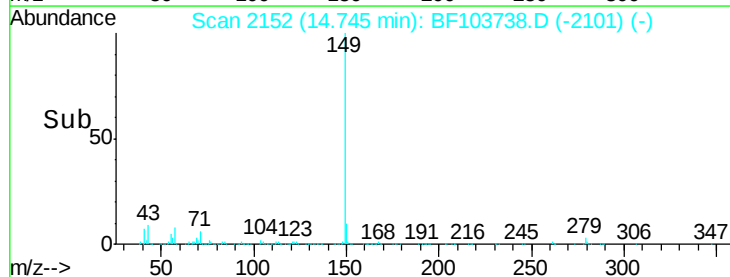
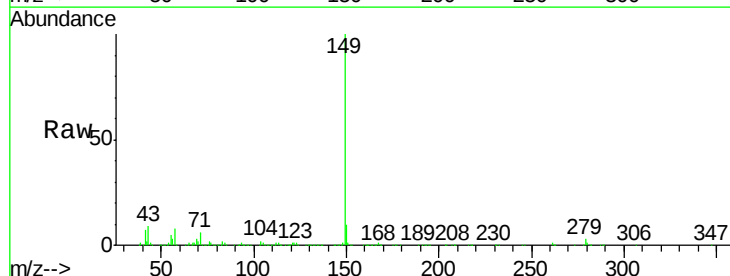
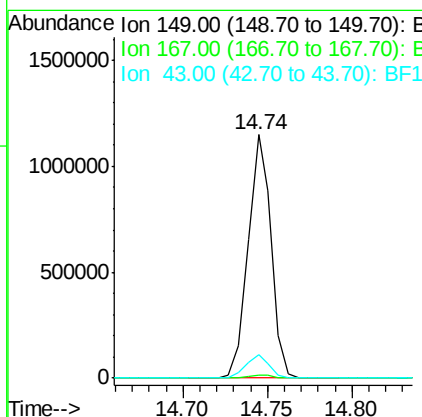
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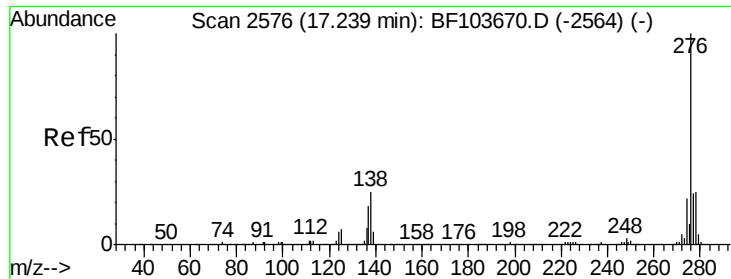
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#84  
 Di-n-octyl phthalate  
 Concen: 57.966 ng  
 RT: 14.74 min Scan# 2152  
 Delta R.T. -0.00 min  
 Lab File: BF103738.D  
 Acq: 17 Mar 2018 12:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 1.5   | 1.2   | 1.8   |
| 43      | 9.3   | 8.4   | 12.6  |





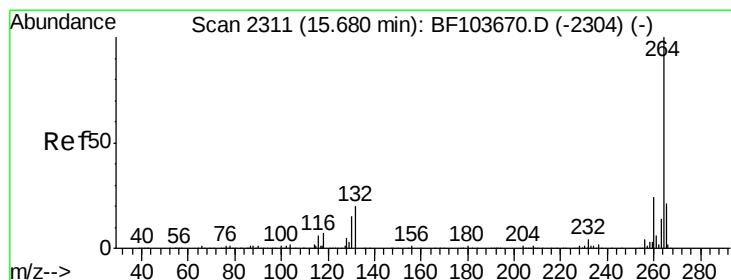
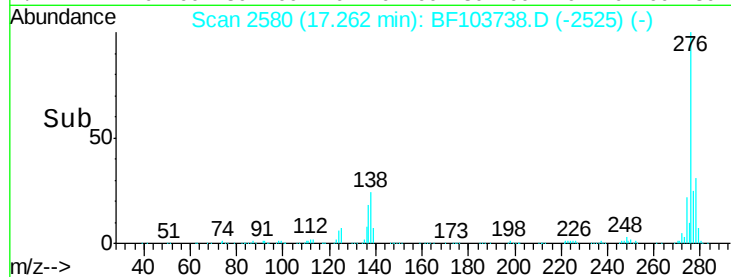
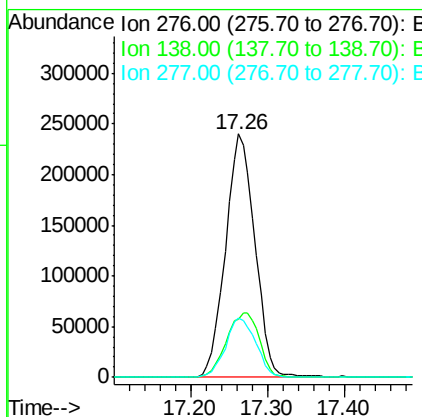
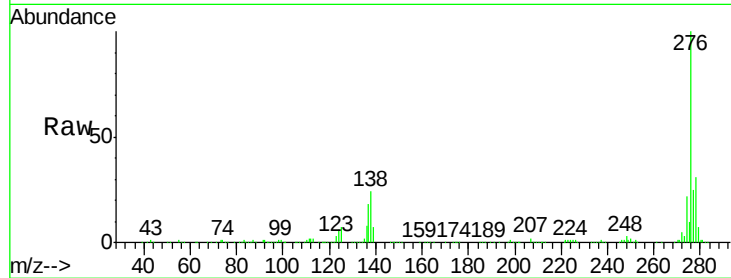
#85  
Indeno(1,2,3-cd)pyrene  
Concen: 43.597 ng  
RT: 17.26 min Scan# 2580  
Delta R.T. 0.02 min  
Lab File: BF103738.D  
Acq: 17 Mar 2018 12:31

Instrument :  
BNA\_F  
ClientSampleId :  
HR-05-031518-AMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 29.9  | 25.0  | 37.6  |
| 277     | 25.2  | 20.1  | 30.1  |

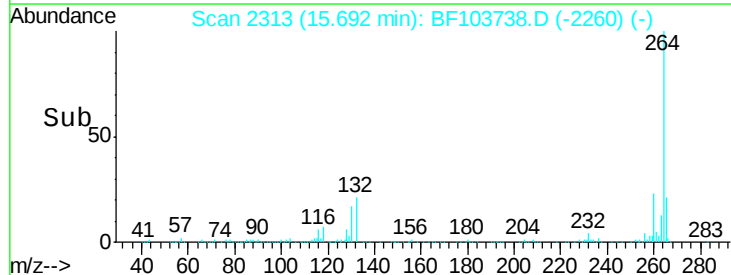
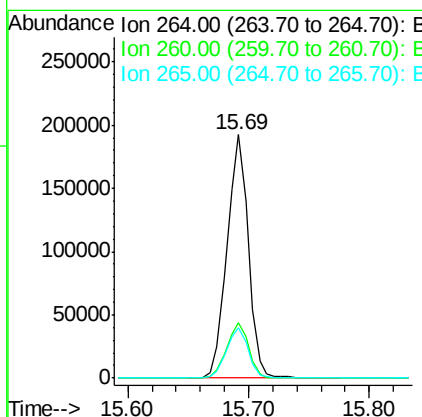
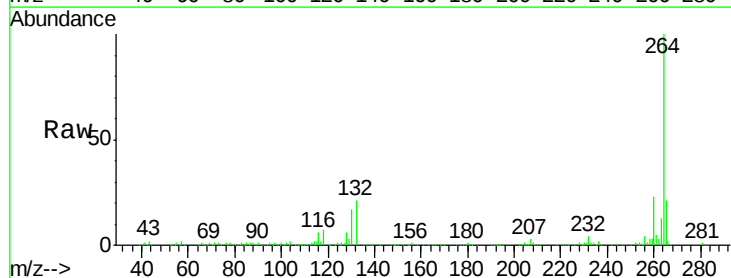
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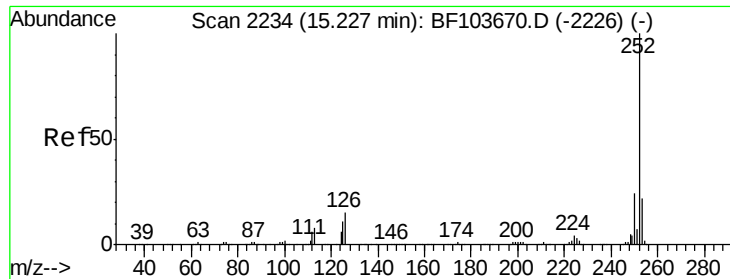
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#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.69 min Scan# 2313  
Delta R.T. 0.01 min  
Lab File: BF103738.D  
Acq: 17 Mar 2018 12:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.0  | 19.2  | 28.8  |
| 265     | 20.8  | 17.5  | 26.3  |





#87

Benzo(b)fluoranthene

Concen: 49.310 ng

RT: 15.24 min Scan# 2236

Delta R.T. 0.01 min

Lab File: BF103738.D

Acq: 17 Mar 2018 12:31

Instrument :

BNA\_F

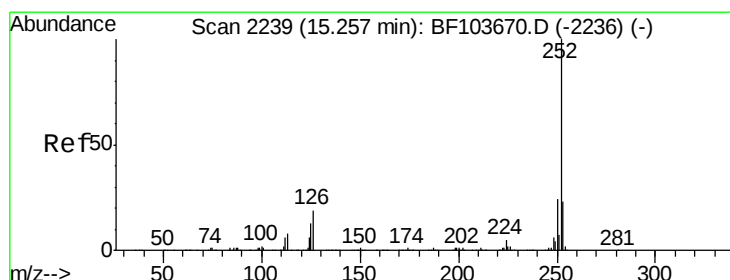
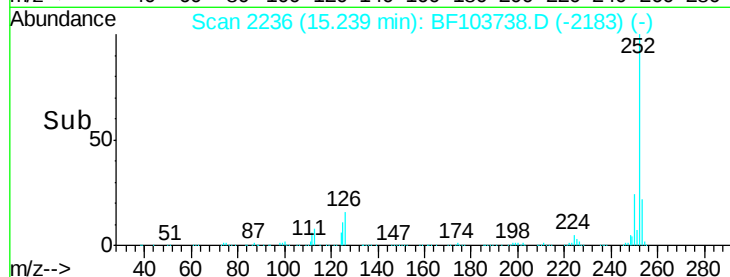
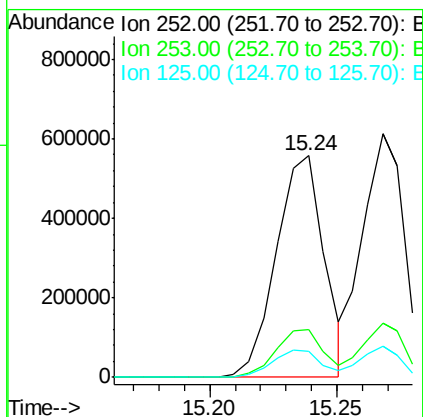
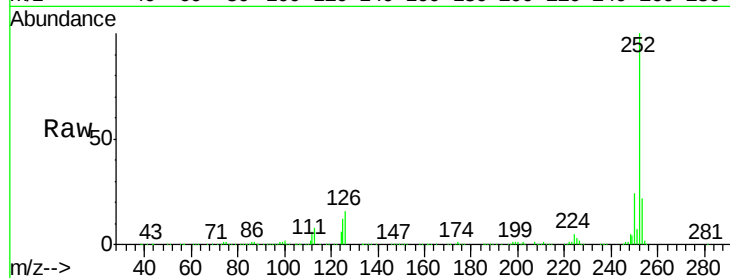
ClientSampleId :

HR-05-031518-AMS

|             |       |           |
|-------------|-------|-----------|
| Tot Ion:252 | Resp: | 734772    |
| Ion Ratio   | Lower | Upper     |
| 252         | 100   |           |
| 253         | 21.8  | 17.0 25.6 |
| 125         | 11.5  | 9.0 13.6  |

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#88

Benzo(k)fluoranthene

Concen: 49.735 ng

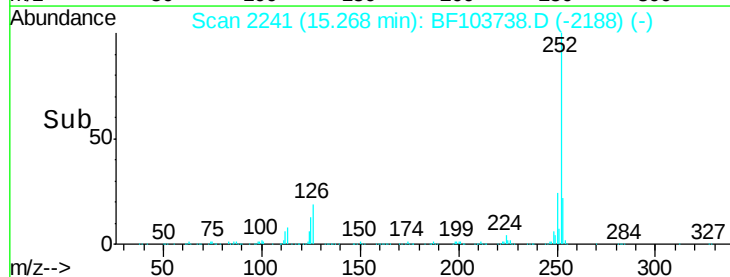
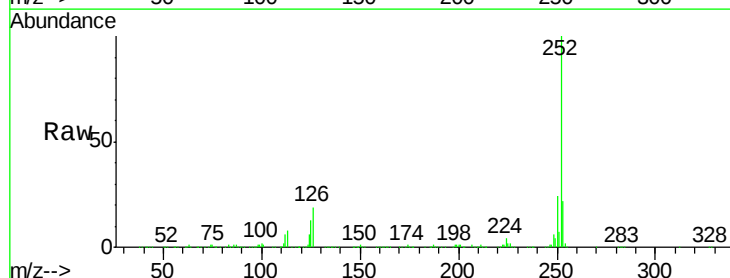
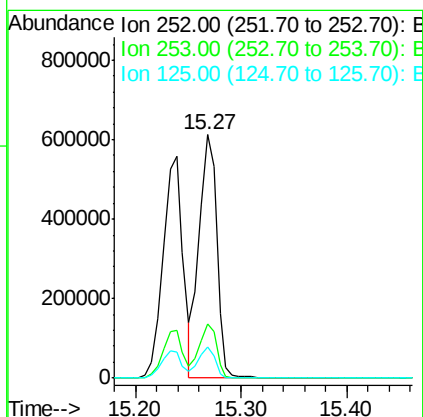
RT: 15.27 min Scan# 2241

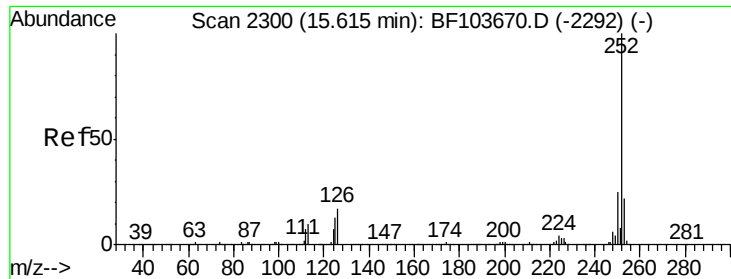
Delta R.T. 0.01 min

Lab File: BF103738.D

Acq: 17 Mar 2018 12:31

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:252 | Resp: | 712404    |
| Ion Ratio   | Lower | Upper     |
| 252         | 100   |           |
| 253         | 22.5  | 17.9 26.9 |
| 125         | 12.9  | 10.2 15.2 |





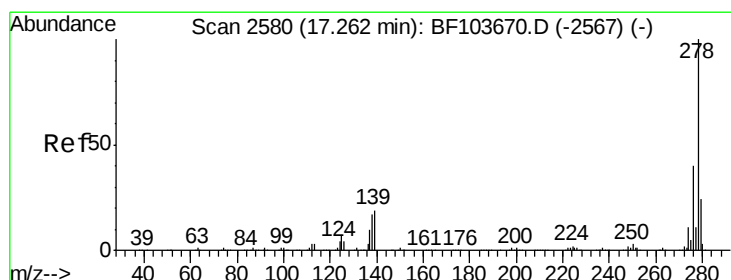
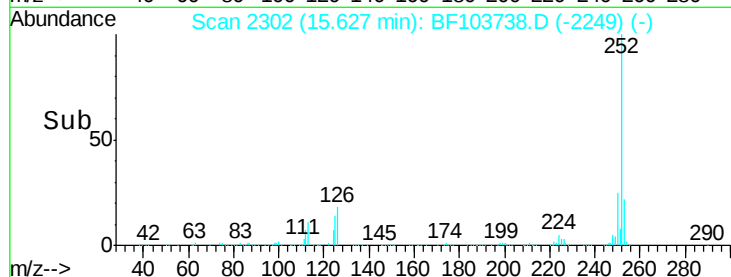
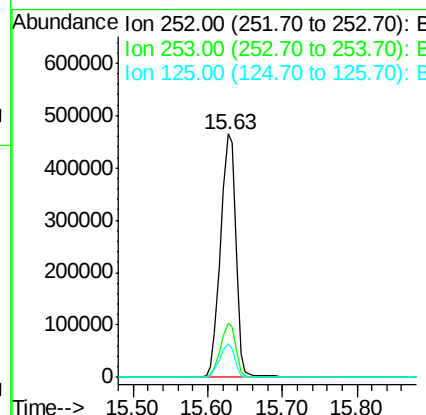
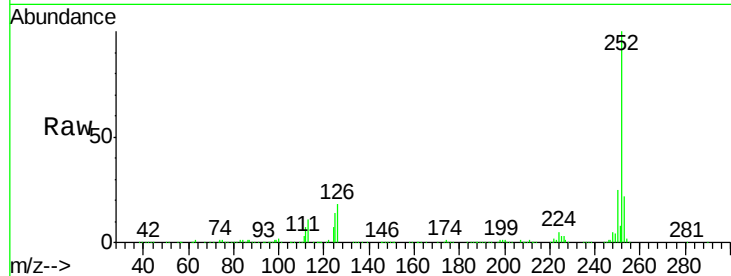
#89  
Benzo(a)pyrene  
Concen: 49.005 ng  
RT: 15.63 min Scan# 2302  
Delta R.T. 0.01 min  
Lab File: BF103738.D  
Acq: 17 Mar 2018 12:31

Instrument :  
BNA\_F  
ClientSampleId :  
HR-05-031518-AMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.2  | 17.1  | 25.7  |
| 125     | 13.8  | 9.8   | 14.6  |

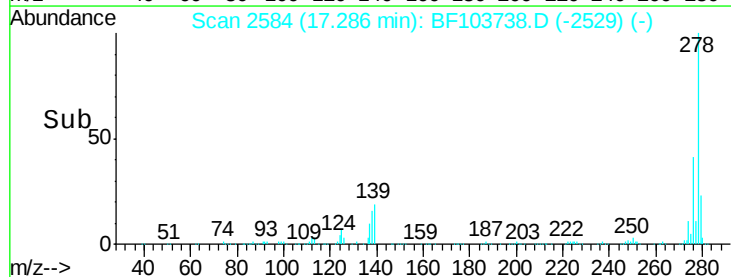
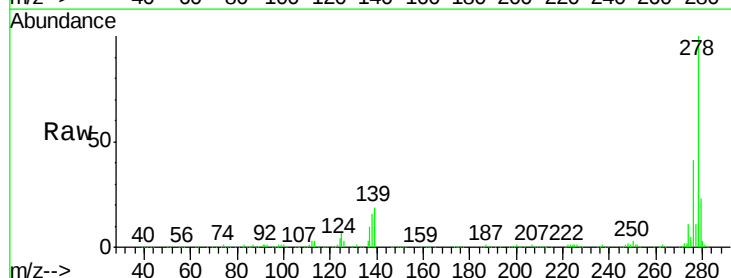
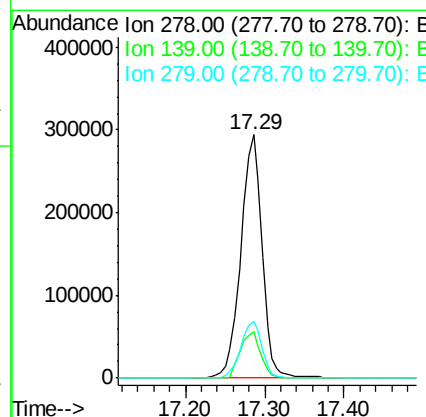
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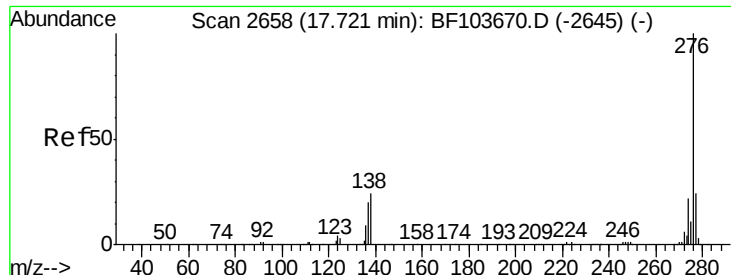
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#90  
Dibenzo(a,h)anthracene  
Concen: 46.861 ng  
RT: 17.29 min Scan# 2584  
Delta R.T. 0.02 min  
Lab File: BF103738.D  
Acq: 17 Mar 2018 12:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 19.1  | 15.9  | 23.9  |
| 279     | 23.5  | 19.0  | 28.4  |





#91  
 Benzo(a,h,i)perylene  
 Concen: 45.301 ng  
 RT: 17.74 min Scan# 2662  
 Delta R.T. 0.02 min  
 Lab File: BF103738.D  
 Acq: 17 Mar 2018 12:31

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HR-05-031518-AMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 23.9  | 17.9  | 26.9  |
| 138     | 25.6  | 21.8  | 32.8  |

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