

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081718\  
 Data File : BF108254.D  
 Acq On : 17 Aug 2018 20:19  
 Operator : JU/SJ  
 Sample : J4511-11MSD  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RA-081518-FL-031MSD

Manual Integrations  
 APPROVED

Sohil  
 8/20/2018 12:48:30 PM

Quant Time: Aug 18 00:38:40 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 08 12:24:24 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.02  | 152  | 146712   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.30  | 136  | 514741   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 10.06 | 164  | 224491   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.56 | 188  | 391645   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 14.22 | 240  | 390243   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.78 | 264  | 297655   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |       |    |      |
|--------------------------|-------|-----|---------|-------|----|------|
| 5) 2-Fluorophenol        | 5.65  | 112 | 735218  | 90.73 | ng | 0.02 |
| 7) Phenol-d6             | 6.64  | 99  | 955118  | 88.69 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 7.58  | 82  | 625804  | 67.84 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.85 | 330 | 205743  | 91.88 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 9.37  | 172 | 1043789 | 74.65 | ng | 0.00 |
| 78) Terphenyl-d14        | 13.14 | 244 | 1001771 | 65.27 | ng | 0.00 |

## Target Compounds

|                                |      |     |        |        |    | Qvalue |
|--------------------------------|------|-----|--------|--------|----|--------|
| 2) 1,4-Dioxane                 | 2.94 | 88  | 114370 | 27.467 | ng | 88     |
| 3) Pyridine                    | 3.71 | 79  | 306585 | 28.583 | ng | 88     |
| 4) n-Nitrosodimethylamine      | 3.67 | 42  | 179851 | 29.798 | ng | 83     |
| 6) Aniline                     | 6.68 | 93  | 351092 | 23.969 | ng | 98     |
| 8) 2-Chlorophenol              | 6.80 | 128 | 300986 | 32.978 | ng | 94     |
| 9) Benzaldehyde                | 6.57 | 77  | 180525 | 21.622 | ng | 97     |
| 10) Phenol                     | 6.65 | 94  | 374942 | 33.661 | ng | 96     |
| 11) bis(2-Chloroethyl)ether    | 6.75 | 93  | 302936 | 33.640 | ng | 95     |
| 12) 1,3-Dichlorobenzene        | 6.96 | 146 | 345102 | 32.702 | ng | 99     |
| 13) 1,4-Dichlorobenzene        | 7.04 | 146 | 349386 | 32.952 | ng | 97     |
| 14) 1,2-Dichlorobenzene        | 7.19 | 146 | 328814 | 33.340 | ng | 97     |
| 15) Benzyl Alcohol             | 7.15 | 79  | 279944 | 30.880 | ng | 95     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.28 | 45  | 571956 | 30.831 | ng | 97     |
| 17) 2-Methylphenol             | 7.26 | 107 | 245387 | 31.352 | ng | 97     |
| 18) Hexachloroethane           | 7.53 | 117 | 114948 | 30.452 | ng | 90     |
| 19) n-Nitroso-di-n-propylamine | 7.42 | 70  | 222233 | 30.518 | ng | # 89   |
| 20) 3+4-Methylphenols          | 7.41 | 107 | 306011 | 30.510 | ng | 97     |
| 22) Acetophenone               | 7.42 | 105 | 438805 | 36.458 | ng | # 97   |
| 24) Nitrobenzene               | 7.60 | 77  | 326152 | 34.965 | ng | 95     |
| 25) Isophorone                 | 7.83 | 82  | 584820 | 33.262 | ng | 96     |
| 26) 2-Nitrophenol              | 7.91 | 139 | 130658 | 37.091 | ng | 94     |
| 27) 2,4-Dimethylphenol         | 7.94 | 122 | 261138 | 33.464 | ng | 99     |
| 28) bis(2-Chloroethoxy)methane | 8.04 | 93  | 362692 | 35.336 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 8.15 | 162 | 244653 | 34.068 | ng | 96     |
| 30) 1,2,4-Trichlorobenzene     | 8.24 | 180 | 276762 | 34.955 | ng | 98     |
| 31) Naphthalene                | 8.32 | 128 | 841042 | 35.928 | ng | 100    |
| 32) Benzoic acid               | 8.00 | 122 | 13880  | 8.658  | ng | 94     |
| 33) 4-Chloroaniline            | 8.37 | 127 | 238065 | 23.336 | ng | 98     |
| 34) Hexachlorobutadiene        | 8.43 | 225 | 175228 | 34.960 | ng | 99     |
| 35) Caprolactam                | 8.72 | 113 | 67678  | 30.073 | ng | # 80   |
| 36) 4-Chloro-3-methylphenol    | 8.84 | 107 | 234301 | 30.244 | ng | 97     |
| 37) 2-Methylnaphthalene        | 9.01 | 142 | 559418 | 33.776 | ng | 97     |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.18 | 216 | 274049 | 39.752 | ng | 97     |
| 40) Hexachlorocyclopentadiene  | 9.16 | 237 | 72170  | 16.208 | ng | 94     |

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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.29  | 196  | 161185   | 37.678 | nq    | 98       |
| 43) 2,4,5-Trichlorophenol      | 9.33  | 196  | 171972   | 36.517 | nq    | # 94     |
| 45) 1,1'-Biphenyl              | 9.48  | 154  | 653818   | 39.502 | nq    | 98       |
| 46) 2-Chloronaphthalene        | 9.51  | 162  | 490388   | 37.486 | nq    | 96       |
| 47) 2-Nitroaniline             | 9.60  | 65   | 161825   | 38.231 | nq    | # 81     |
| 48) Acenaphthylene             | 9.92  | 152  | 744634   | 36.005 | nq    | 100      |
| 49) Dimethylphthalate          | 9.77  | 163  | 658507   | 42.110 | nq    | # 99     |
| 50) 2,6-Dinitrotoluene         | 9.84  | 165  | 113925   | 34.821 | nq    | 89       |
| 51) Acenaphthene               | 10.10 | 154  | 428252   | 33.808 | nq    | 100      |
| 52) 3-Nitroaniline             | 10.01 | 138  | 107744   | 30.099 | nq    | 91       |
| 53) 2,4-Dinitrophenol          | 10.11 | 184  | 4695     | 10.519 | nq    | # 35     |
| 54) Dibenzofuran               | 10.27 | 168  | 642056   | 34.985 | nq    | 97       |
| 55) 4-Nitrophenol              | 10.17 | 139  | 162939   | 60.110 | nq    | 91       |
| 56) 2,4-Dinitrotoluene         | 10.24 | 165  | 136911   | 32.510 | nq    | # 96     |
| 57) Fluorene                   | 10.61 | 166  | 490902   | 33.790 | nq    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.38 | 232  | 130280   | 33.098 | nq    | # 87     |
| 59) Diethylphthalate           | 10.47 | 149  | 528789   | 34.921 | nq    | 96       |
| 60) 4-Chlorophenyl-phenylether | 10.60 | 204  | 260624   | 34.428 | nq    | 88       |
| 61) 4-Nitroaniline             | 10.62 | 138  | 111967   | 31.637 | nq    | 96       |
| 62) Azobenzene                 | 10.76 | 77   | 503023   | 32.167 | nq    | 94       |
| 64) 4,6-Dinitro-2-methylphenol | 10.65 | 198  | 7881     | 10.120 | nq    | 91       |
| 65) n-Nitrosodiphenylamine     | 10.72 | 169  | 441360   | 38.136 | nq    | 97       |
| 66) 4-Bromophenyl-phenylether  | 11.10 | 248  | 157793   | 37.074 | nq    | # 84     |
| 67) Hexachlorobenzene          | 11.17 | 284  | 154827   | 34.574 | nq    | # 85     |
| 68) Atrazine                   | 11.24 | 200  | 139361   | 35.901 | nq    | 96       |
| 69) Pentachlorophenol          | 11.36 | 266  | 148243   | 69.162 | nq    | 99       |
| 70) Phenanthrene               | 11.58 | 178  | 716821   | 38.805 | nq    | 99       |
| 71) Anthracene                 | 11.64 | 178  | 700856   | 37.018 | nq    | 100      |
| 72) Carbazole                  | 11.79 | 167  | 623212   | 37.049 | nq    | 99       |
| 73) Di-n-butylphthalate        | 12.11 | 149  | 750858   | 39.408 | nq    | 99       |
| 74) Fluoranthene               | 12.78 | 202  | 829001   | 41.120 | nq    | 96       |
| 76) Benzidine                  | 12.90 | 184  | 108421   | 7.436  | nq    | 97       |
| 77) Pyrene                     | 13.01 | 202  | 855363   | 34.621 | nq    | 99       |
| 79) Butylbenzylphthalate       | 13.61 | 149  | 345529   | 35.220 | nq    | 96       |
| 80) Benzo(a)anthracene         | 14.21 | 228  | 825725   | 36.869 | nq    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 14.16 | 252  | 190684   | 23.758 | nq    | # 97     |
| 82) Chrysene                   | 14.24 | 228  | 768058   | 37.407 | nq    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 14.17 | 149  | 484428   | 36.464 | nq    | 99       |
| 84) Di-n-octyl phthalate       | 14.79 | 149  | 868404   | 42.860 | nq    | 96       |
| 85) Indeno(1,2,3-cd)pyrene     | 17.41 | 276  | 464176   | 26.091 | nq    | # 91     |
| 87) Benzo(b)fluoranthene       | 15.31 | 252  | 728834m  | 40.978 | nq    |          |
| 88) Benzo(k)fluoranthene       | 15.34 | 252  | 651794   | 39.866 | nq    | # 97     |
| 89) Benzo(a)pyrene             | 15.71 | 252  | 590100   | 37.050 | nq    | 97       |
| 90) Dibenzo(a,h)anthracene     | 17.42 | 278  | 381398   | 28.942 | nq    | # 93     |
| 91) Benzo(g,h,i)perylene       | 17.90 | 276  | 381751   | 29.419 | nq    | # 90     |

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





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.02 min Scan# 796

Delta R.T. 0.01 min

Lab File: BF108254.D

Acq: 17 Aug 2018 20:19

Instrument :

BNA\_F

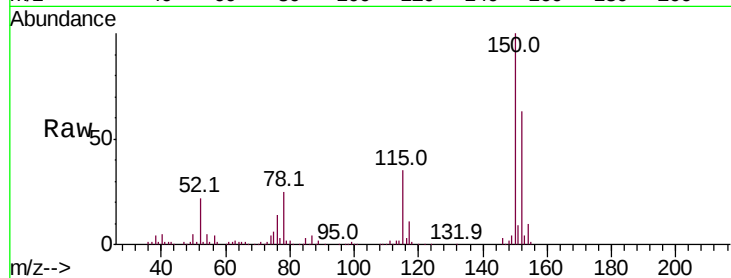
ClientSampleId :

RA-081518-FL-031MSD

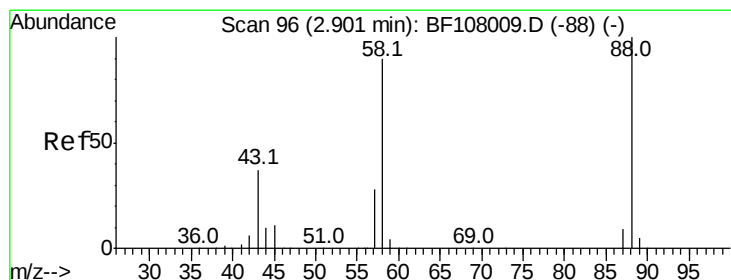
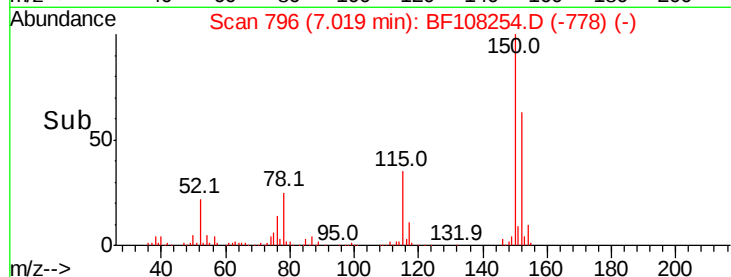
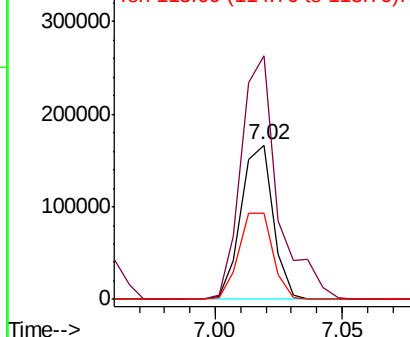
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 152   | Resp: | 146712 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 150       | 157.9 | 124.6 | 186.8  |
| 115       | 56.0  | 50.1  | 75.1   |

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: 27.467 ng

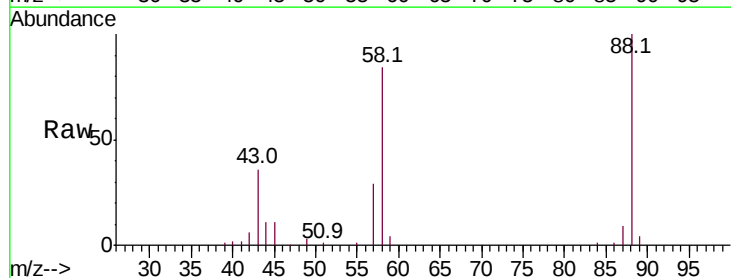
RT: 2.94 min Scan# 102

Delta R.T. 0.04 min

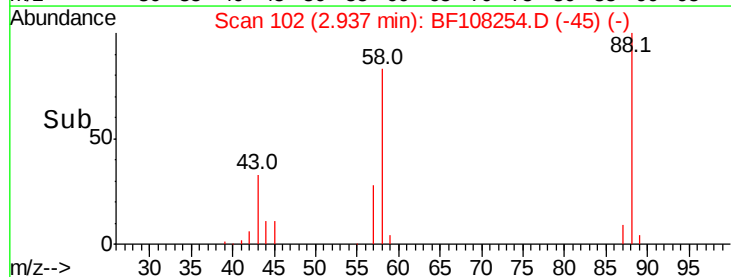
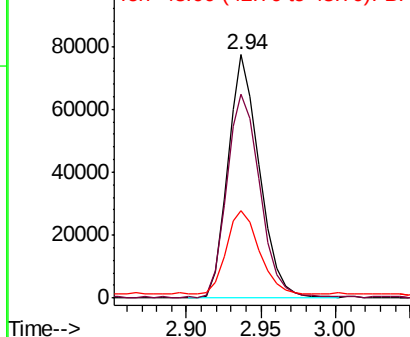
Lab File: BF108254.D

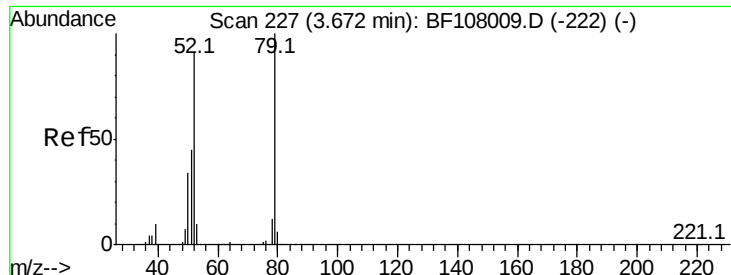
Acq: 17 Aug 2018 20:19

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 88    | Resp: | 114370 |
| Ion Ratio | Lower | Upper |        |
| 88        | 100   |       |        |
| 58        | 89.2  | 62.6  | 93.8   |
| 43        | 35.8  | 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: 28.583 ng

RT: 3.71 min Scan# 234

Delta R.T. 0.04 min

Lab File: BF108254.D

Acq: 17 Aug 2018 20:19

Instrument :

BNA\_F

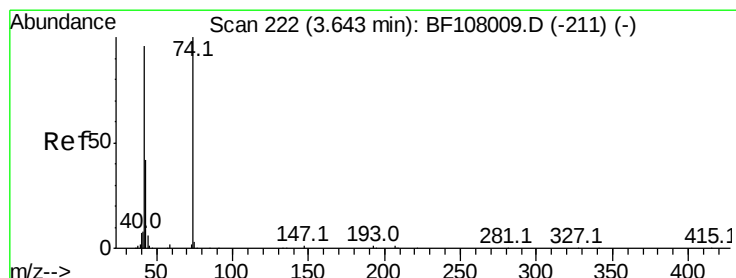
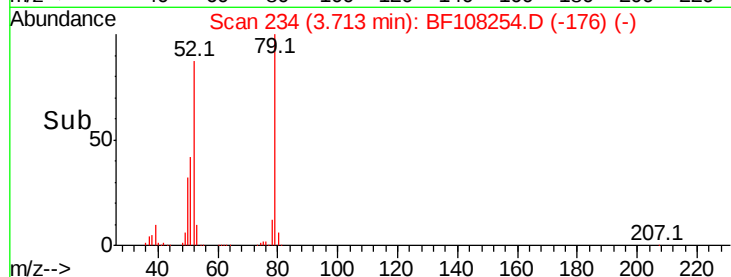
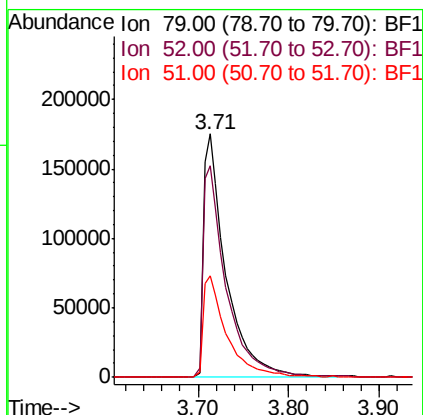
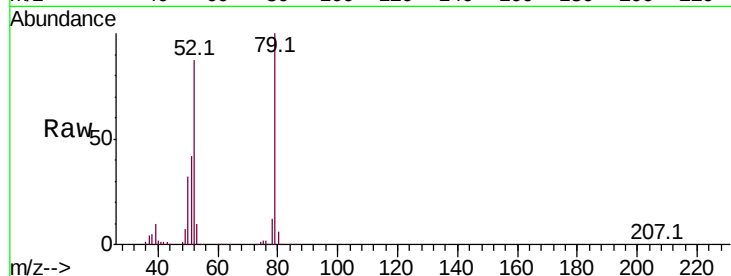
ClientSampleId :

RA-081518-FL-031MSD

| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 79      | 100  |       |      |       |       |
| 52      | 86.9 |       | 59.8 | 89.6  |       |
| 51      | 41.9 |       | 29.8 | 44.8  |       |

Manual Integrations  
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#4

n-Nitrosodimethylamine

Concen: 29.798 ng

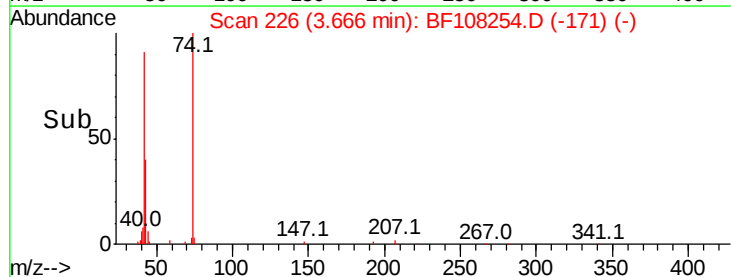
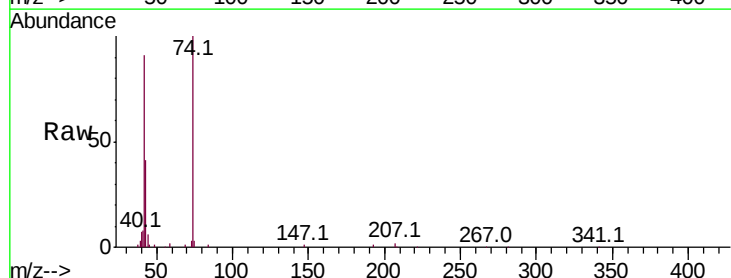
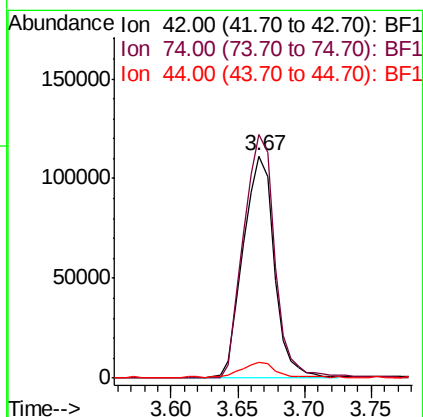
RT: 3.67 min Scan# 226

Delta R.T. 0.02 min

Lab File: BF108254.D

Acq: 17 Aug 2018 20:19

| Tgt Ion | Ion   | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|-------|
| 42      | 100   |       |       |       |       |
| 74      | 109.7 |       | 104.9 | 157.3 |       |
| 44      | 7.0   |       | 6.9   | 10.3  |       |





#5

2-Fluorophenol

Concen: 90.727 ng

RT: 5.65 min Scan# 563

Delta R.T. 0.02 min

Lab File: BF108254.D

Acq: 17 Aug 2018 20:19

Instrument :

BNA\_F

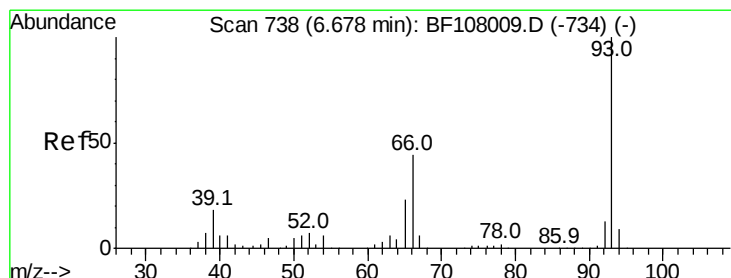
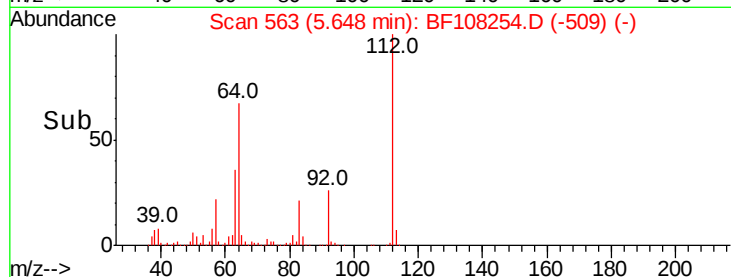
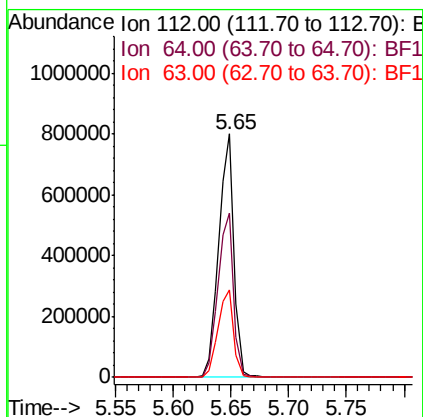
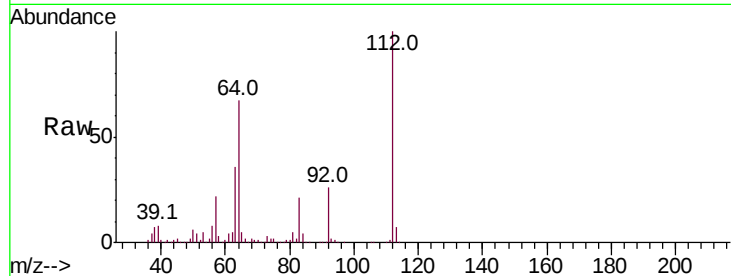
ClientSampleId :

RA-081518-FL-031MSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 112     | 100   |      |       |       |
| 64      | 67.2  | 47.9 | 71.9  |       |
| 63      | 35.9  | 23.7 | 35.5  |       |

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#6

Aniline

Concen: 23.969 ng

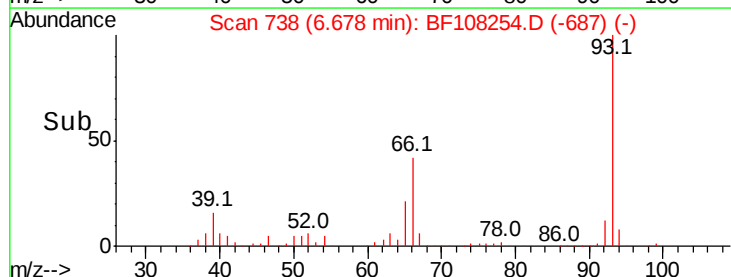
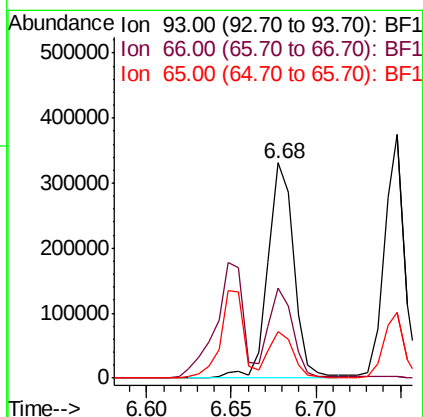
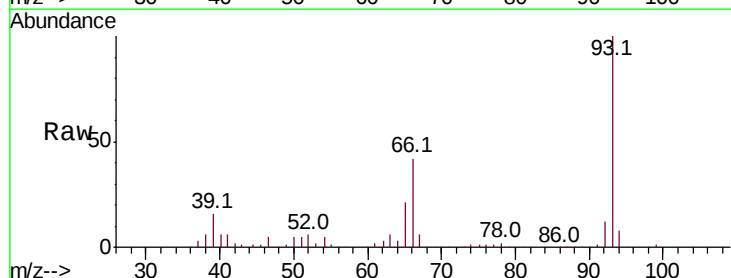
RT: 6.68 min Scan# 738

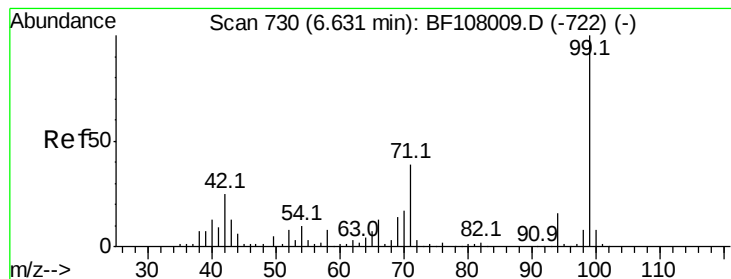
Delta R.T. 0.00 min

Lab File: BF108254.D

Acq: 17 Aug 2018 20:19

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 93      | 100   |      |       |       |
| 66      | 41.6  | 32.2 | 48.2  |       |
| 65      | 21.5  | 16.4 | 24.6  |       |





#7

Phenol-d6

Concen: 88.695 ng

RT: 6.64 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF108254.D

Acq: 17 Aug 2018 20:19

Instrument :

BNA\_F

ClientSampleId :

RA-081518-FL-031MSD

Tot Ion: 99 Resp: 955118

Ion Ratio Lower Upper

99 100

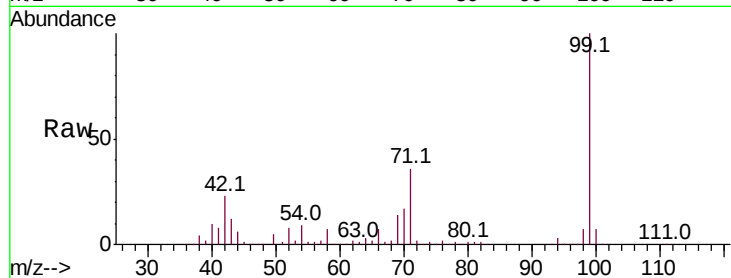
42 22.7 14.5 21.7#

71 36.4 25.4 38.0

Manual Integrations  
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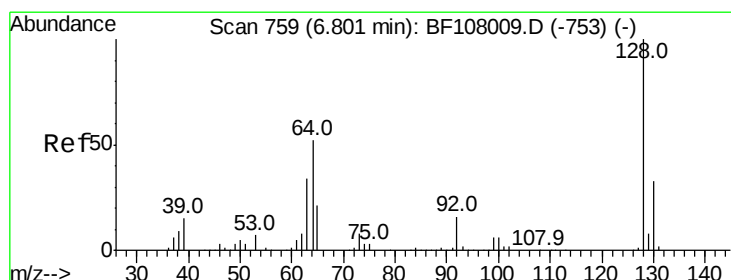
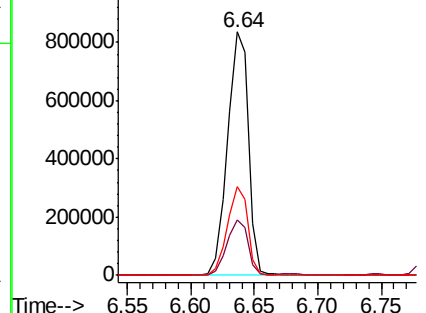
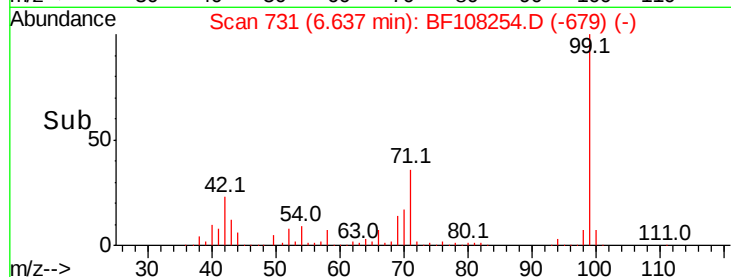
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 32.978 ng

RT: 6.80 min Scan# 759

Delta R.T. 0.00 min

Lab File: BF108254.D

Acq: 17 Aug 2018 20:19

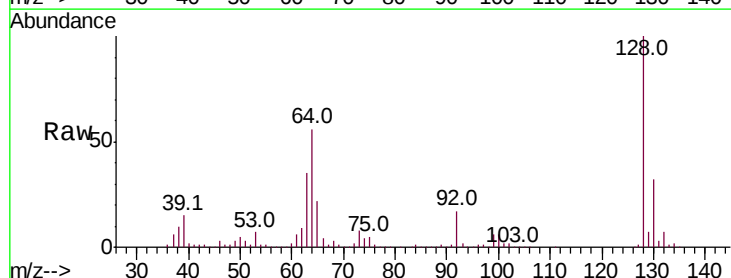
Tgt Ion:128 Resp: 300986

Ion Ratio Lower Upper

128 100

130 31.8 13.0 53.0

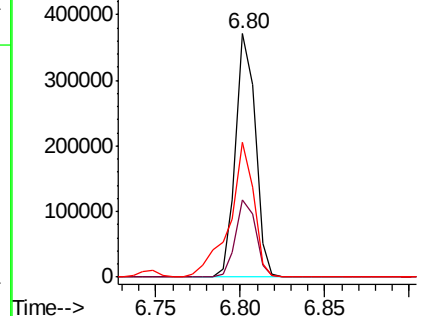
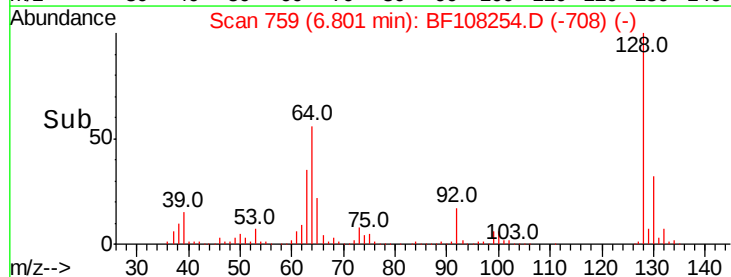
64 55.5 29.4 69.4

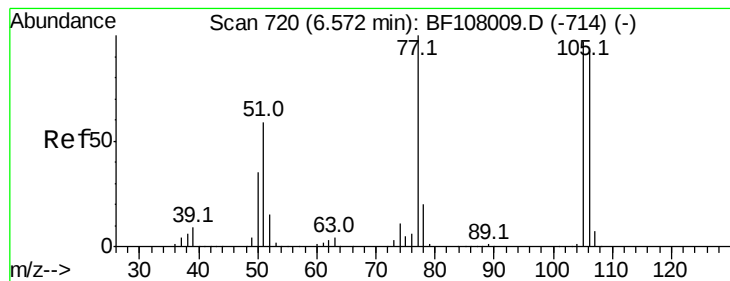


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 21.622 ng

RT: 6.57 min Scan# 720

Delta R.T. 0.00 min

Lab File: BF108254.D

Acq: 17 Aug 2018 20:19

Instrument :

BNA\_F

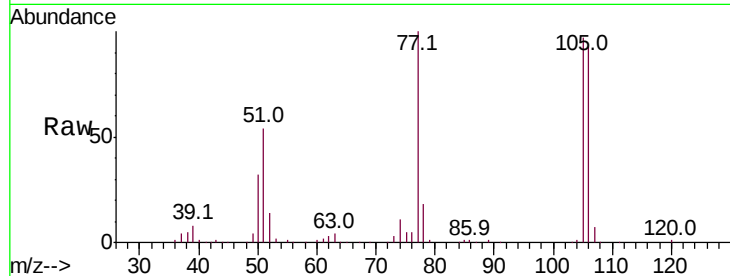
ClientSampleId :

RA-081518-FL-031MSD

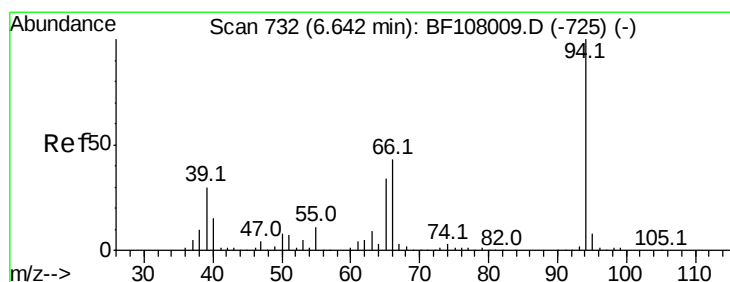
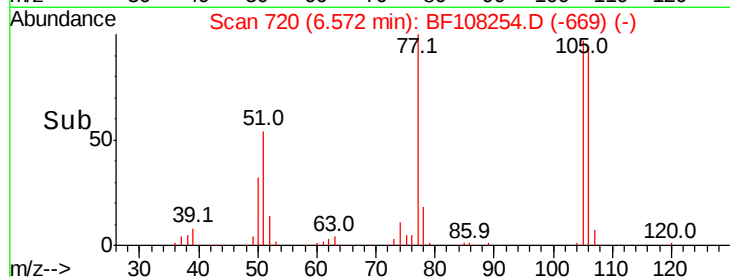
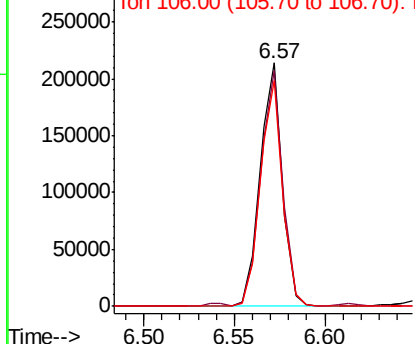
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 77    | Resp: | 180525 |
| Ion Ratio | Lower | Upper |        |
| 77        | 100   |       |        |
| 105       | 96.9  | 81.1  | 121.1  |
| 106       | 92.9  | 74.5  | 114.5  |

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Abundance Ion 77.00 (76.70 to 77.70): BF1  
Ion 105.00 (104.70 to 105.70): BF1  
Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 33.661 ng

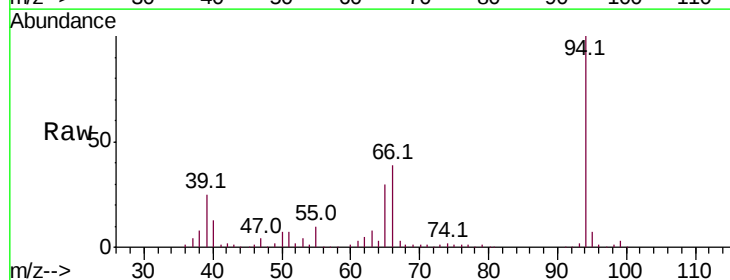
RT: 6.65 min Scan# 734

Delta R.T. 0.01 min

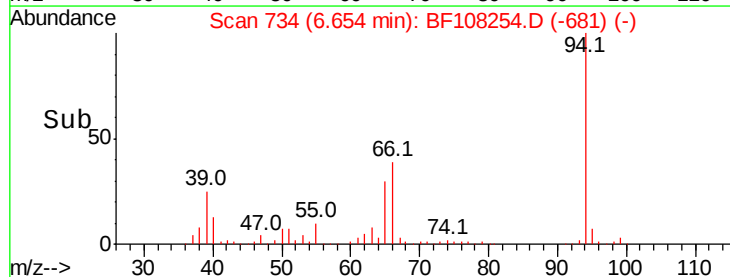
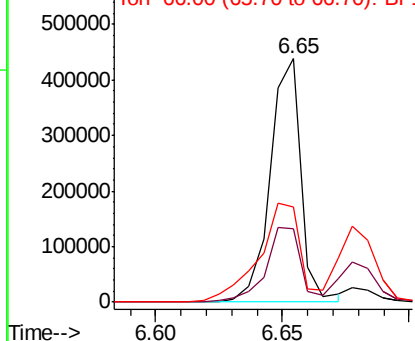
Lab File: BF108254.D

Acq: 17 Aug 2018 20:19

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 94    | Resp: | 374942 |
| Ion Ratio | Lower | Upper |        |
| 94        | 100   |       |        |
| 65        | 30.1  | 7.9   | 47.9   |
| 66        | 39.0  | 16.2  | 56.2   |



Abundance Ion 94.00 (93.70 to 94.70): BF1  
Ion 65.00 (64.70 to 65.70): BF1  
Ion 66.00 (65.70 to 66.70): BF1





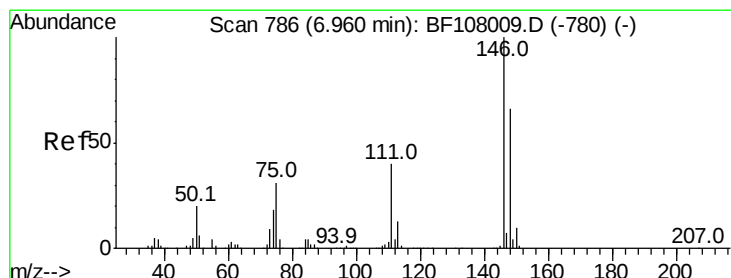
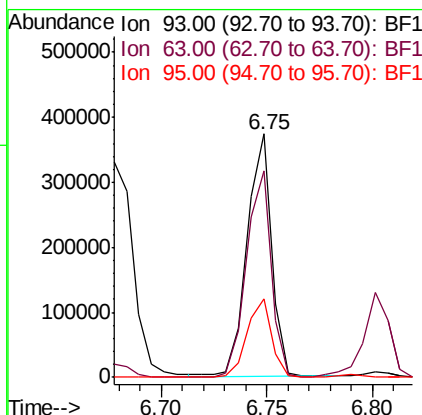
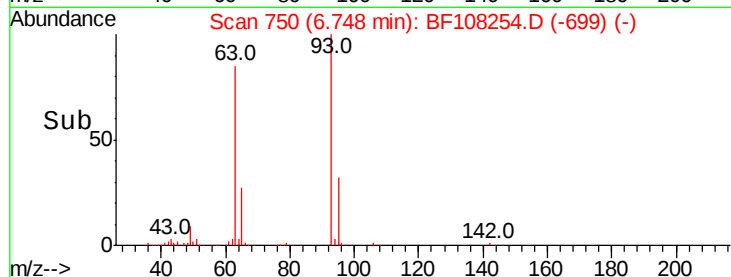
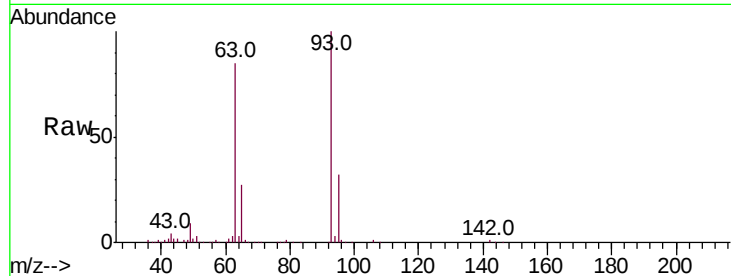
#11  
bis(2-Chloroethyl)ether  
Concen: 33.640 ng  
RT: 6.75 min Scan# 750  
Delta R.T. 0.00 min  
Lab File: BF108254.D  
Acq: 17 Aug 2018 20:19

Instrument :  
BNA\_F  
ClientSampleId :  
RA-081518-FL-031MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 63      | 84.7  | 58.6  | 98.6  |
| 95      | 32.1  | 11.8  | 51.8  |

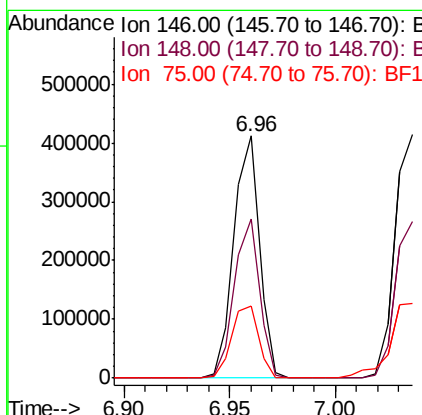
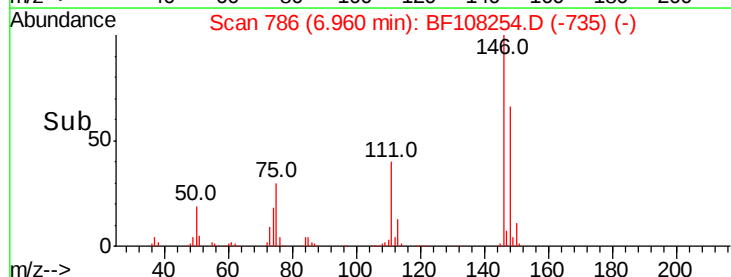
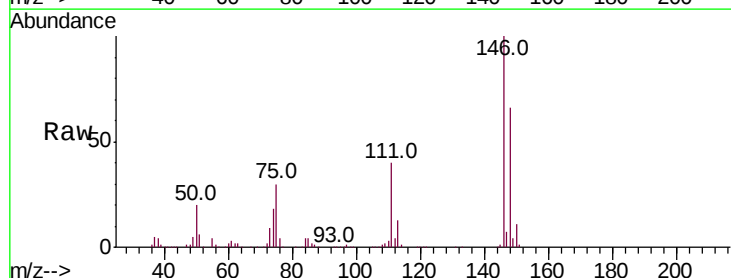
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#12  
1,3-Dichlorobenzene  
Concen: 32.702 ng  
RT: 6.96 min Scan# 786  
Delta R.T. 0.00 min  
Lab File: BF108254.D  
Acq: 17 Aug 2018 20:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 66.0  | 51.8  | 77.8  |
| 75      | 30.0  | 24.2  | 36.4  |





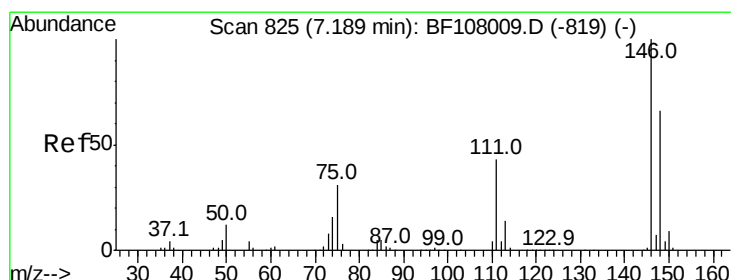
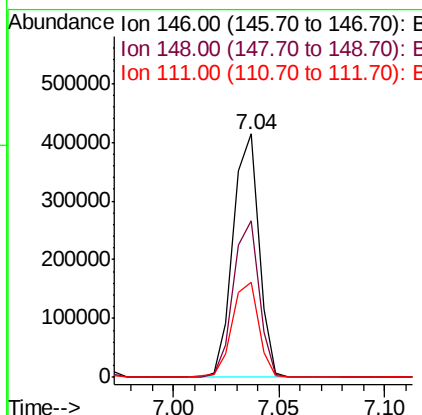
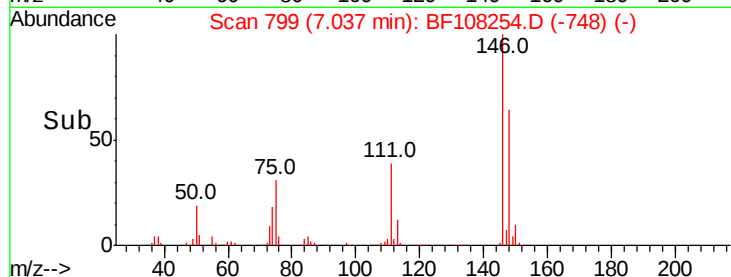
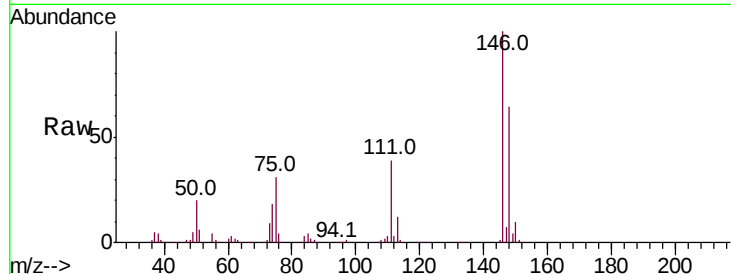
#13  
1,4-Dichlorobenzene  
Concen: 32.952 ng  
RT: 7.04 min Scan# 799  
Delta R.T. 0.00 min  
Lab File: BF108254.D  
Acq: 17 Aug 2018 20:19

Instrument :  
BNA\_F  
ClientSampleId :  
RA-081518-FL-031MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 64.4  | 50.8  | 76.2  |
| 111     | 38.9  | 34.2  | 51.2  |

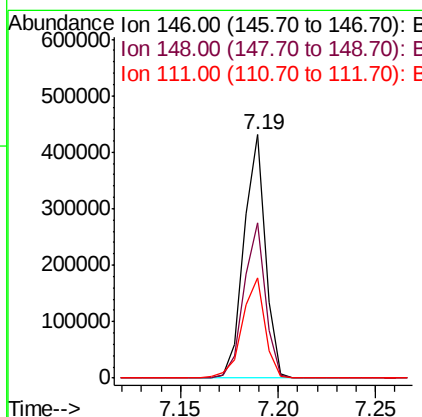
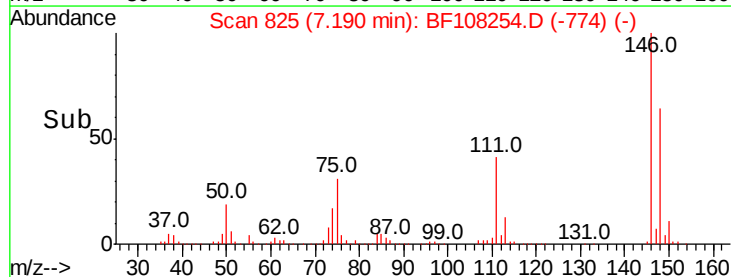
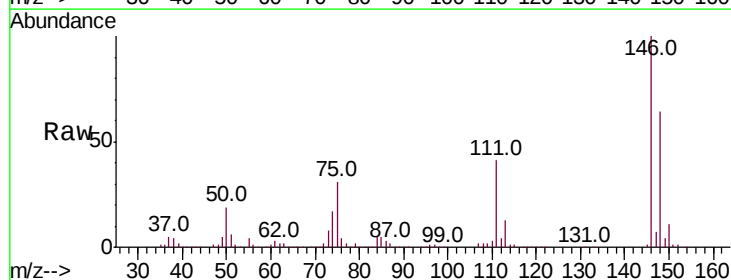
Manual Integrations  
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#14  
1,2-Dichlorobenzene  
Concen: 33.340 ng  
RT: 7.19 min Scan# 825  
Delta R.T. 0.00 min  
Lab File: BF108254.D  
Acq: 17 Aug 2018 20:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 63.9  | 50.6  | 75.8  |
| 111     | 41.1  | 36.0  | 54.0  |





#15

Benzyl Alcohol

Concen: 30.880 ng

RT: 7.15 min Scan# 818

Delta R.T. 0.00 min

Lab File: BF108254.D

Acq: 17 Aug 2018 20:19

Instrument :

BNA\_F

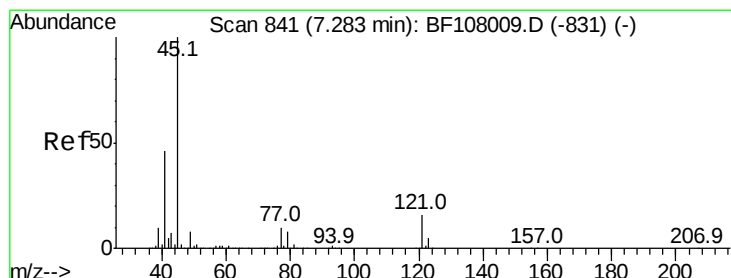
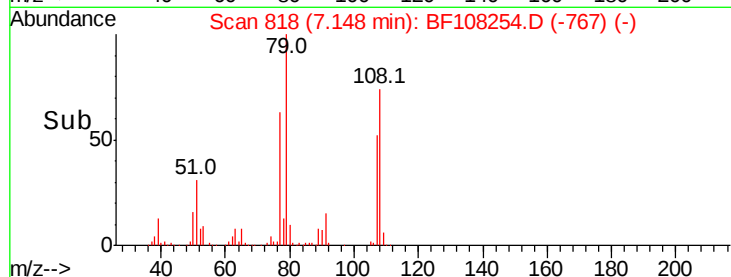
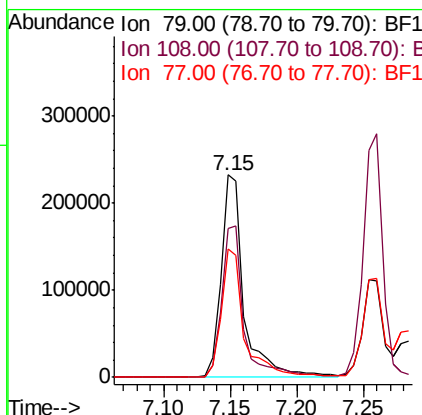
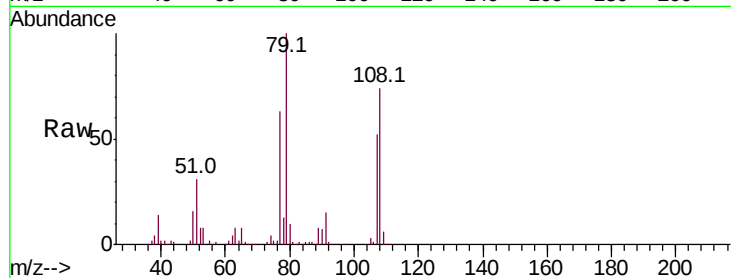
ClientSampleId :

RA-081518-FL-031MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 79    | Resp: | 279944 |
| Ion Ratio | Lower | Upper |        |
| 79        | 100   |       |        |
| 108       | 73.9  | 65.1  | 97.7   |
| 77        | 63.2  | 50.6  | 75.8   |

Manual Integrations  
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#16

2,2'-oxybis(1-Chloropropane)

Concen: 30.831 ng

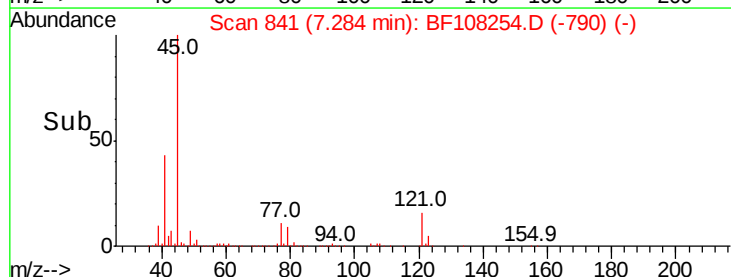
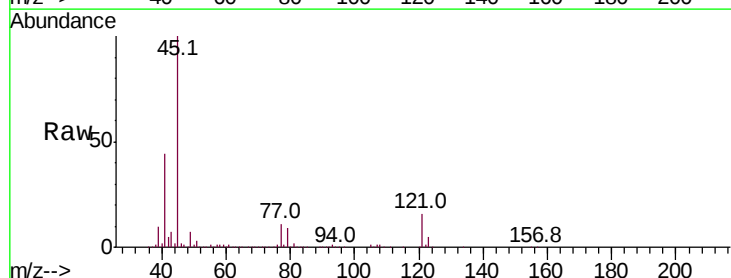
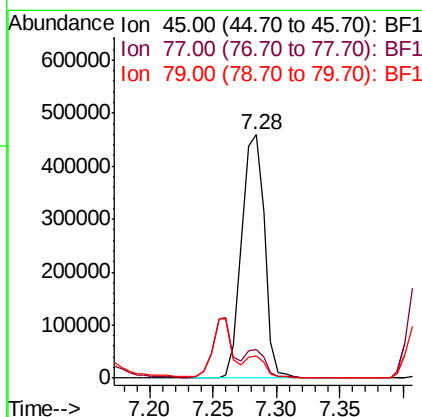
RT: 7.28 min Scan# 841

Delta R.T. 0.00 min

Lab File: BF108254.D

Acq: 17 Aug 2018 20:19

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 45    | Resp: | 571956 |
| Ion Ratio | Lower | Upper |        |
| 45        | 100   |       |        |
| 77        | 11.5  | 0.0   | 32.9   |
| 79        | 8.9   | 0.0   | 29.6   |





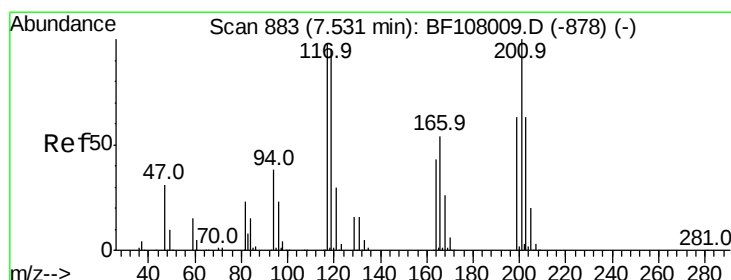
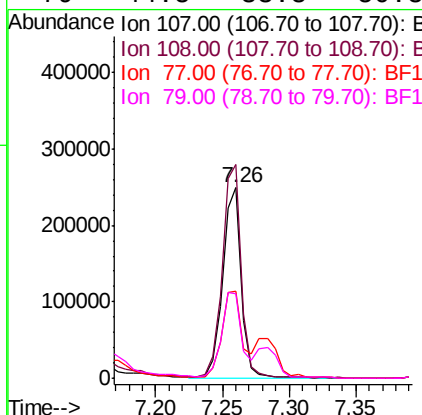
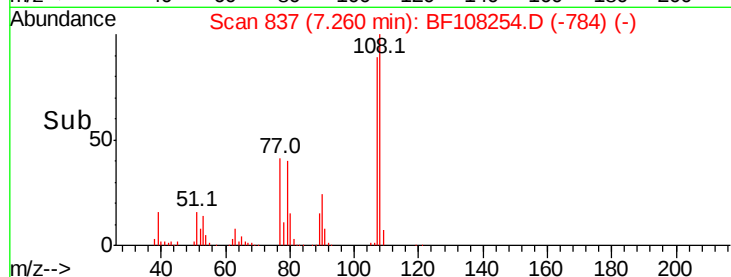
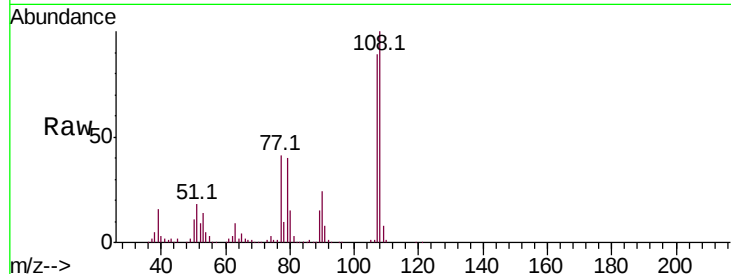
#17  
2-Methylphenol  
Concen: 31.352 ng  
RT: 7.26 min Scan# 837  
Delta R.T. 0.01 min  
Lab File: BF108254.D  
Acq: 17 Aug 2018 20:19

Instrument :  
BNA\_F  
ClientSampleId :  
RA-081518-FL-031MSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 107     | 100   |      |       |       |
| 108     | 112.1 | 91.7 | 137.5 |       |
| 77      | 45.7  | 33.8 | 50.8  |       |
| 79      | 44.5  | 33.8 | 50.8  |       |

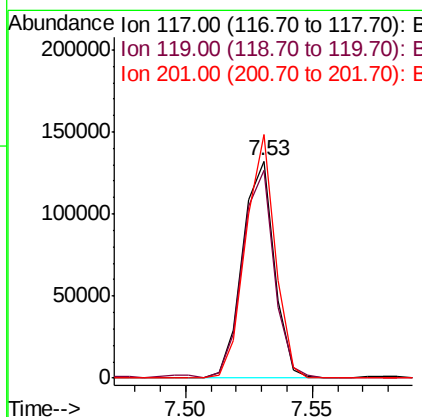
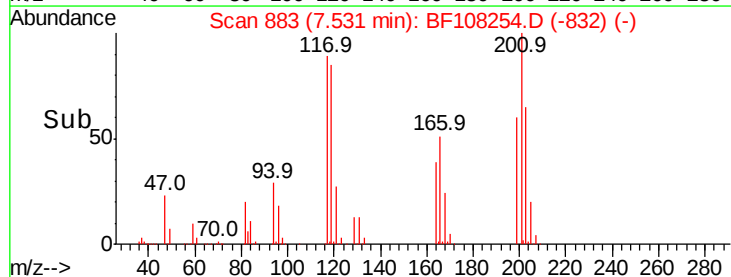
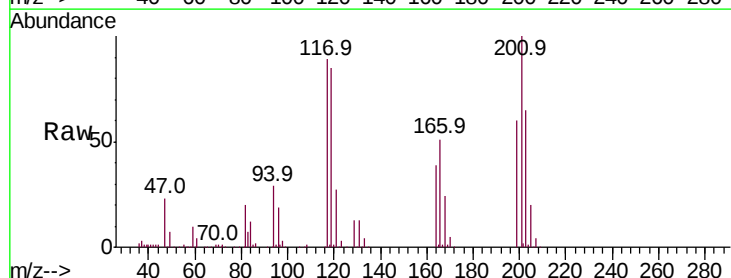
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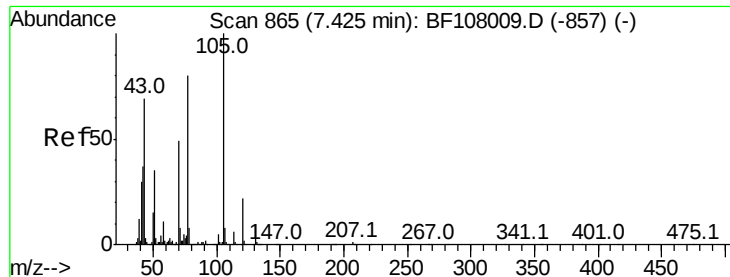
Sohil  
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#18  
Hexachloroethane  
Concen: 30.452 ng  
RT: 7.53 min Scan# 883  
Delta R.T. 0.00 min  
Lab File: BF108254.D  
Acq: 17 Aug 2018 20:19

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 117     | 100   |      |       |       |
| 119     | 95.7  | 75.8 | 113.8 |       |
| 201     | 112.2 | 75.7 | 113.5 |       |





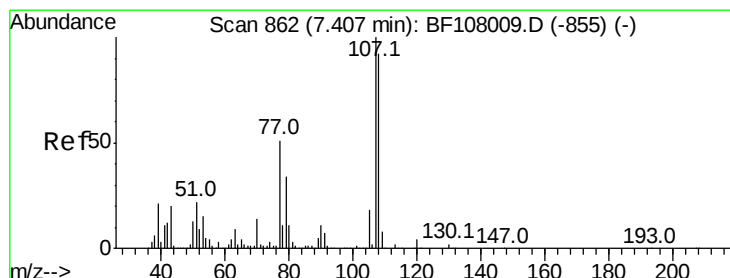
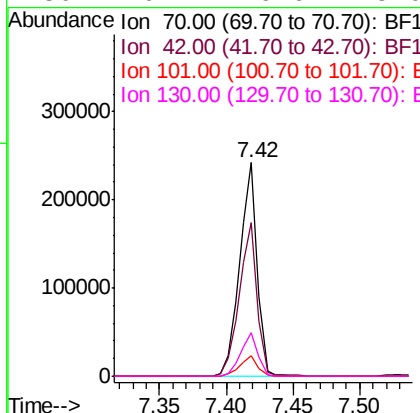
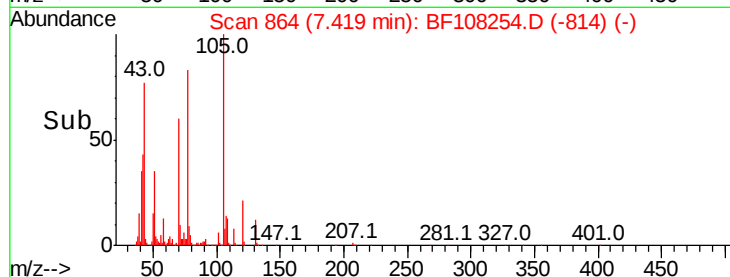
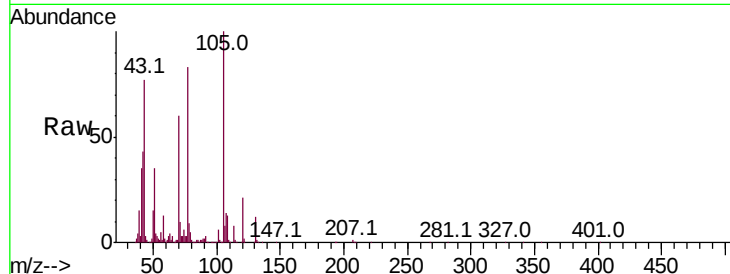
#19  
n-Nitroso-di-n-propylamine  
Concen: 30.518 ng  
RT: 7.42 min Scan# 864  
Delta R.T. -0.01 min  
Lab File: BF108254.D  
Acq: 17 Aug 2018 20:19

Instrument :  
BNA\_F  
ClientSampleId :  
RA-081518-FL-031MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 71.8  | 47.5  | 71.3# |
| 101     | 9.8   | 7.4   | 11.2  |
| 130     | 20.7  | 16.6  | 25.0  |

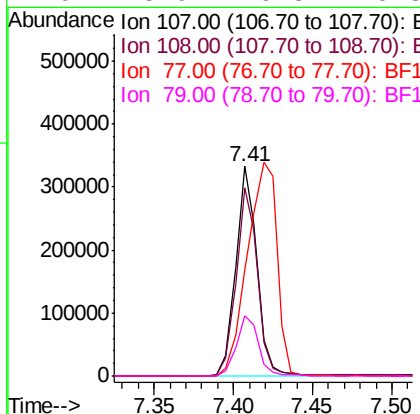
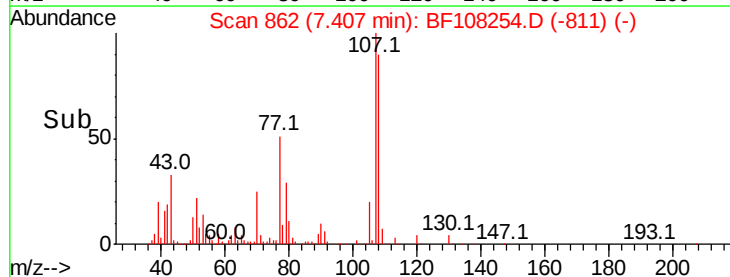
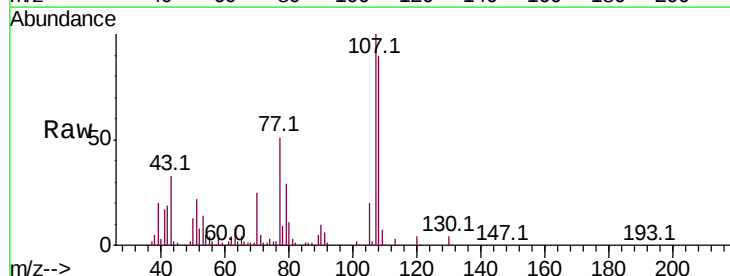
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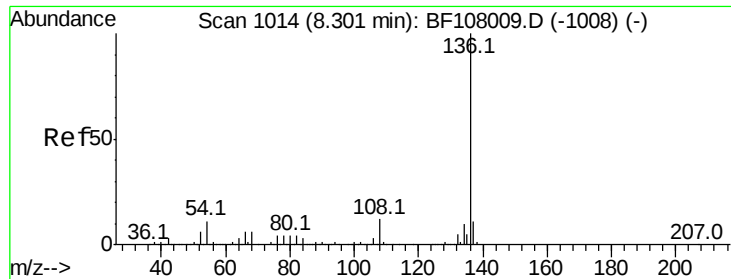
Sohil  
8/20/2018 12:48:30 PM



#20  
3+4-Methylphenols  
Concen: 30.510 ng  
RT: 7.41 min Scan# 862  
Delta R.T. 0.00 min  
Lab File: BF108254.D  
Acq: 17 Aug 2018 20:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 89.6  | 68.2  | 108.2 |
| 77      | 50.7  | 26.7  | 66.7  |
| 79      | 28.9  | 6.3   | 46.3  |





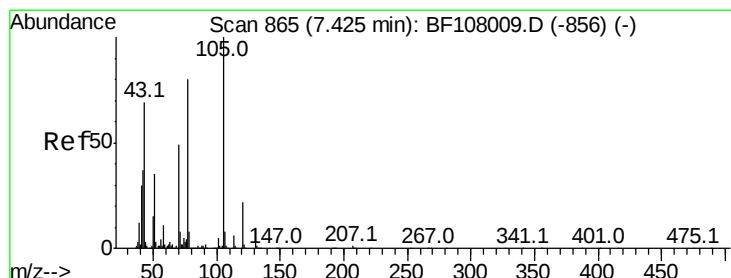
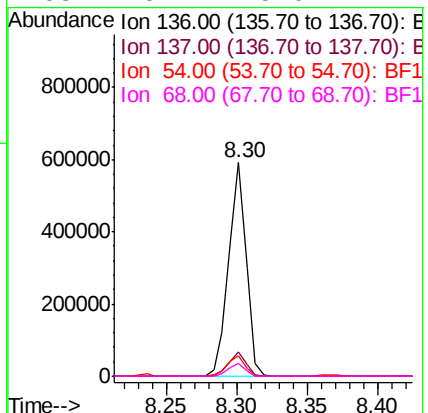
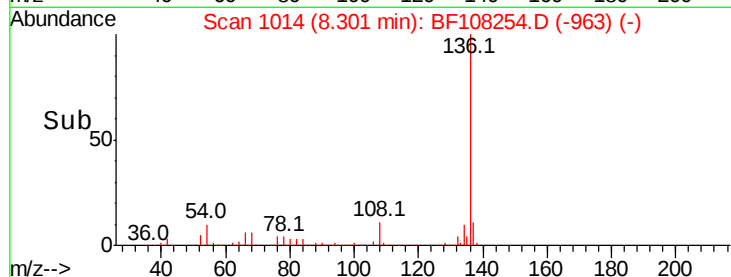
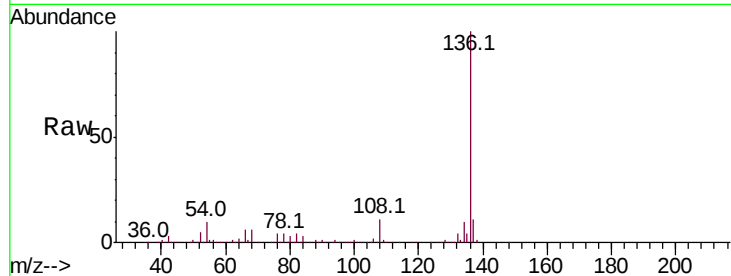
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.30 min Scan# 1014  
Delta R.T. 0.00 min  
Lab File: BF108254.D  
Acq: 17 Aug 2018 20:19

Instrument :  
BNA\_F  
ClientSampleId :  
RA-081518-FL-031MSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 136     | 100   |      |       |       |
| 137     | 11.2  | 8.9  | 13.3  |       |
| 54      | 9.8   | 6.6  | 9.8   |       |
| 68      | 6.1   | 5.0  | 7.4   |       |

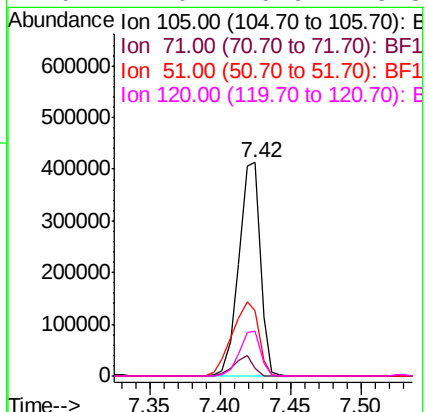
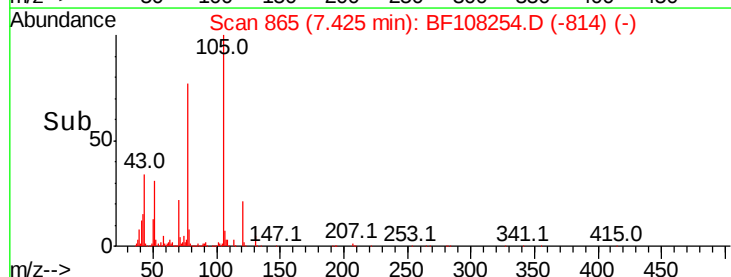
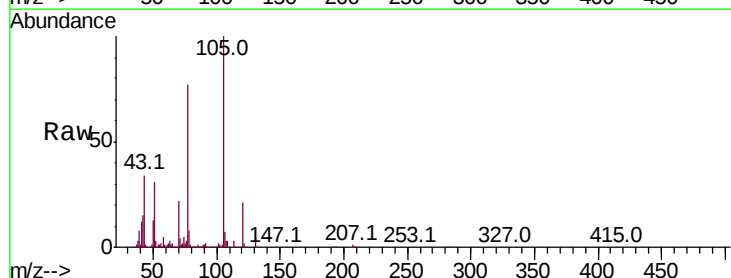
Manual Integrations  
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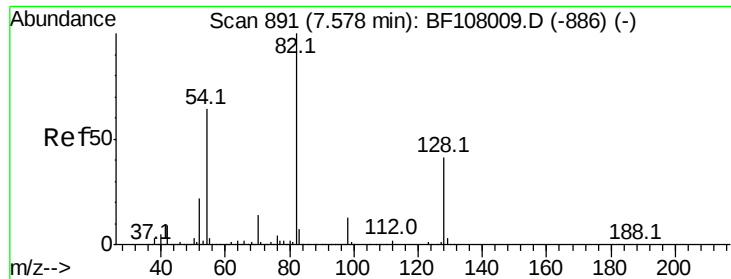
Sohil  
8/20/2018 12:48:30 PM



#22  
Acetophenone  
Concen: 36.458 ng  
RT: 7.42 min Scan# 865  
Delta R.T. 0.00 min  
Lab File: BF108254.D  
Acq: 17 Aug 2018 20:19

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 105     | 100   |      |       |       |
| 71      | 3.7   | 4.4  | 6.6#  |       |
| 51      | 30.6  | 22.3 | 33.5  |       |
| 120     | 21.0  | 16.9 | 25.3  |       |





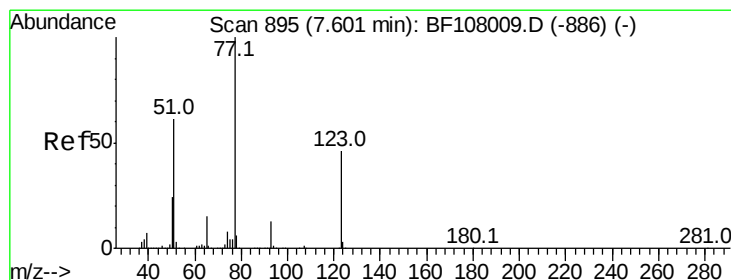
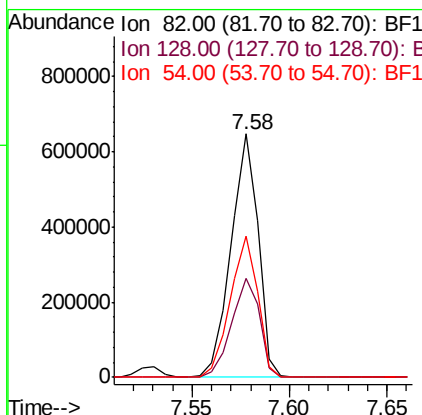
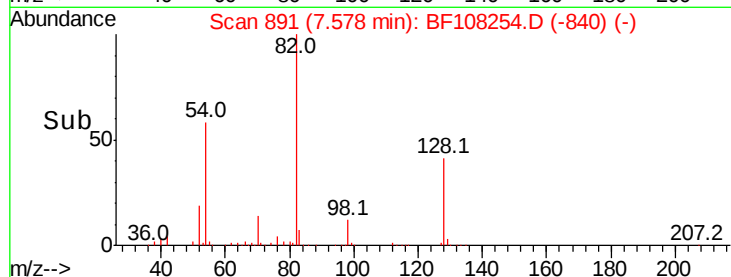
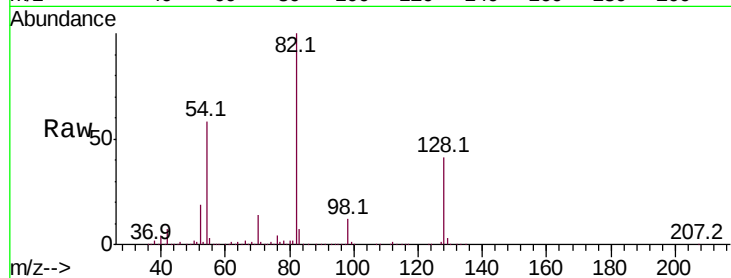
#23  
 Nitrobenzene-d5  
 Concen: 67.841 ng  
 RT: 7.58 min Scan# 891  
 Delta R.T. 0.00 min  
 Lab File: BF108254.D  
 Acq: 17 Aug 2018 20:19

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RA-081518-FL-031MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 40.8  | 36.1  | 54.1  |
| 54      | 57.9  | 41.4  | 62.2  |

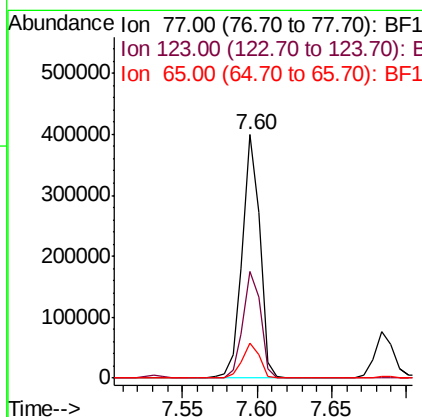
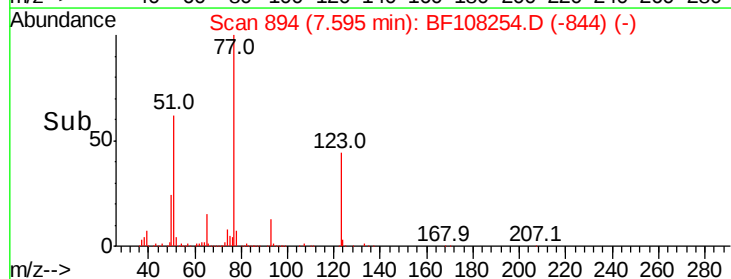
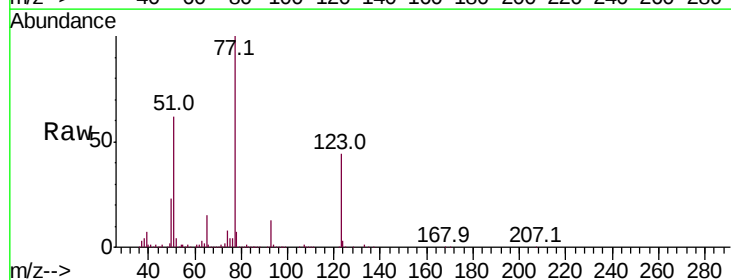
Manual Integrations  
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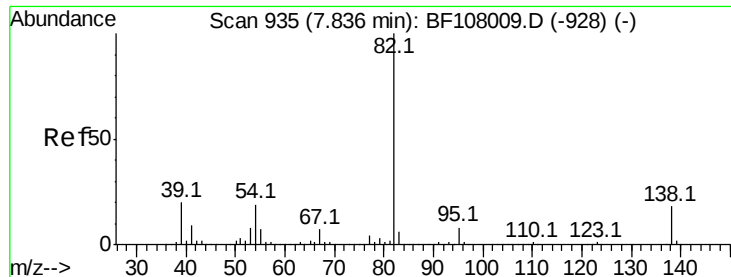
Sohil  
 8/20/2018 12:48:30 PM



#24  
 Nitrobenzene  
 Concen: 34.965 ng  
 RT: 7.60 min Scan# 894  
 Delta R.T. -0.01 min  
 Lab File: BF108254.D  
 Acq: 17 Aug 2018 20:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 43.7  | 37.9  | 56.9  |
| 65      | 14.6  | 11.0  | 16.4  |





#25

Isophorone

Concen: 33.262 ng

RT: 7.83 min Scan# 934

Delta R.T. -0.01 min

Lab File: BF108254.D

Acq: 17 Aug 2018 20:19

Instrument :

BNA\_F

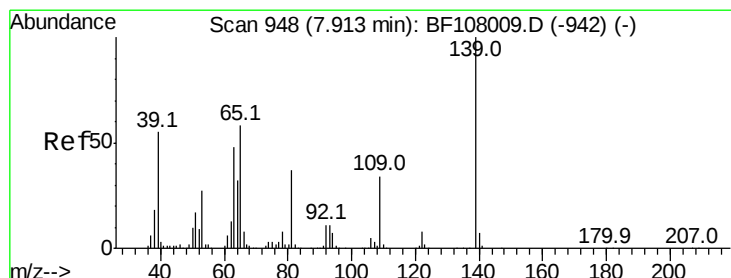
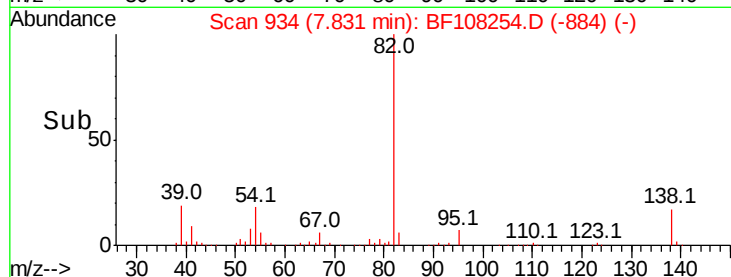
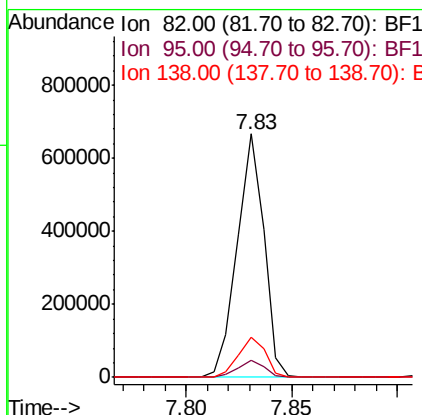
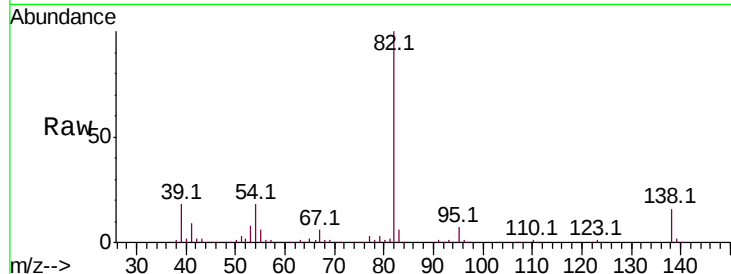
ClientSampleId :

RA-081518-FL-031MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 82    | Resp: | 584820 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 95        | 7.0   | 5.2   | 7.8    |
| 138       | 16.3  | 14.9  | 22.3   |

Manual Integrations  
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8/20/2018 12:48:30 PM



#26

2-Nitrophenol

Concen: 37.091 ng

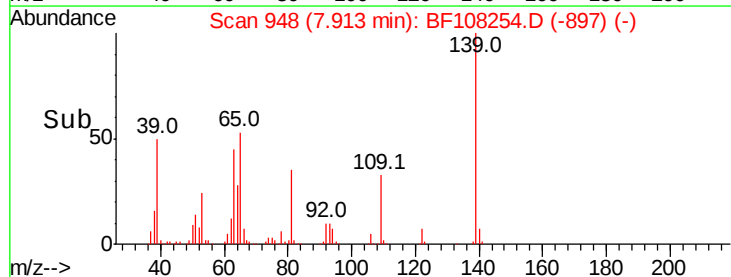
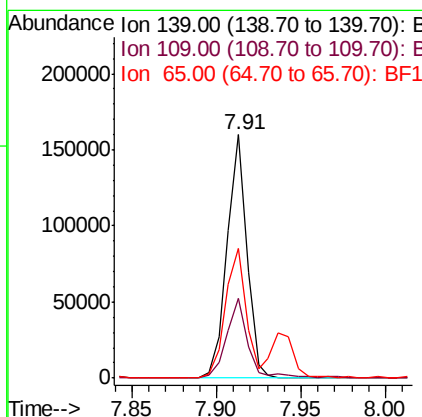
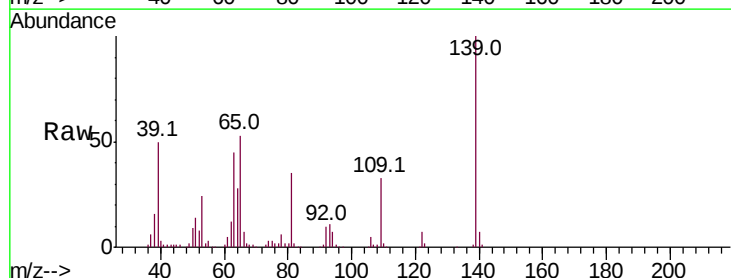
RT: 7.91 min Scan# 948

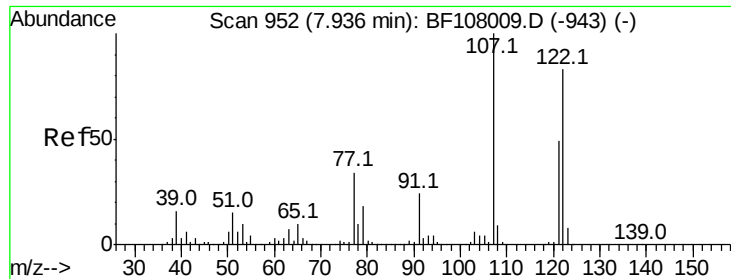
Delta R.T. 0.00 min

Lab File: BF108254.D

Acq: 17 Aug 2018 20:19

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 139   | Resp: | 130658 |
| Ion Ratio | Lower | Upper |        |
| 139       | 100   |       |        |
| 109       | 32.8  | 22.7  | 34.1   |
| 65        | 53.4  | 40.5  | 60.7   |





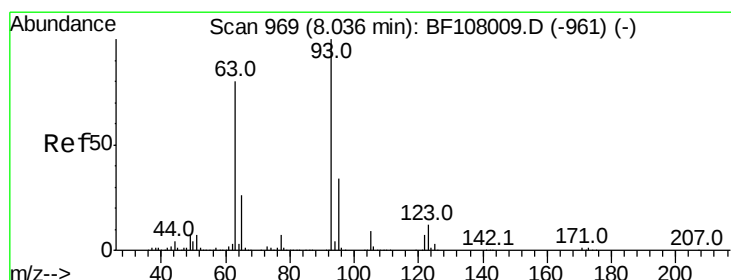
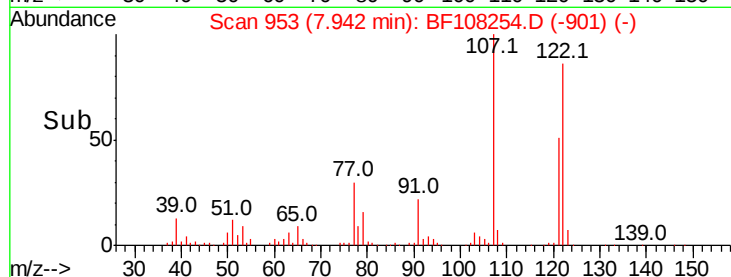
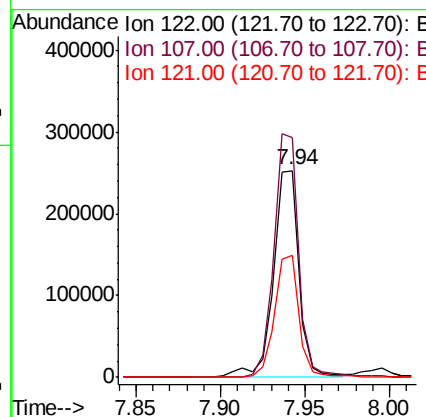
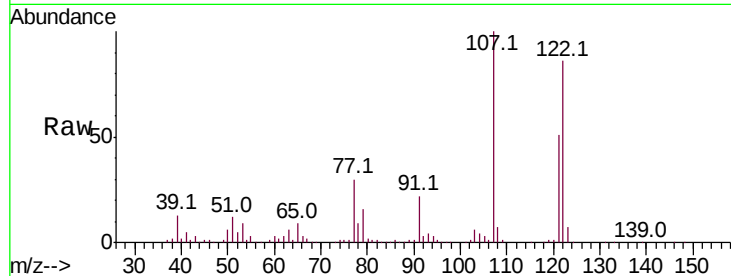
#27  
2,4-Dimethylphenol  
Concen: 33.464 ng  
RT: 7.94 min Scan# 953  
Delta R.T. 0.01 min  
Lab File: BF108254.D  
Acq: 17 Aug 2018 20:19

Instrument :  
BNA\_F  
ClientSampleId :  
RA-081518-FL-031MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 115.8 | 91.2  | 136.8 |
| 121     | 59.3  | 47.2  | 70.8  |

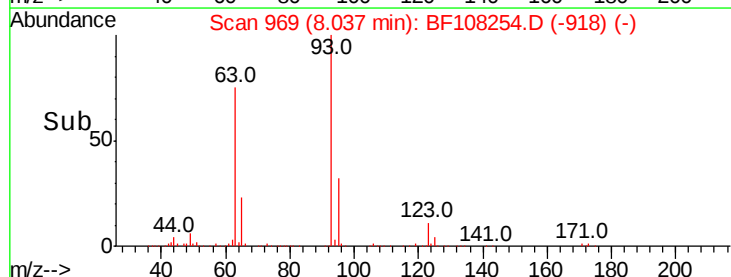
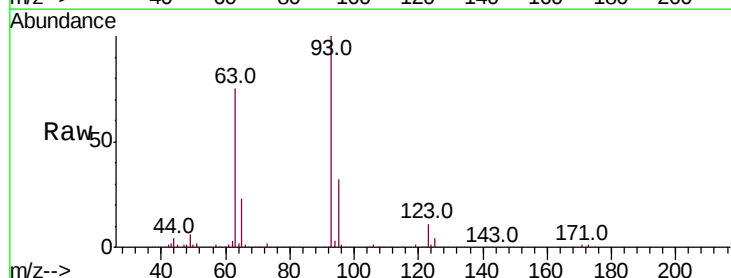
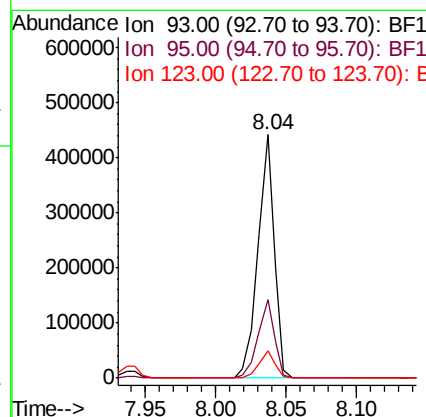
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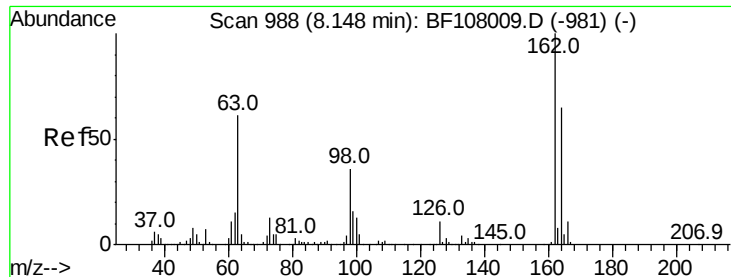
Sohil  
8/20/2018 12:48:30 PM



#28  
bis(2-Chloroethoxy)methane  
Concen: 35.336 ng  
RT: 8.04 min Scan# 969  
Delta R.T. 0.00 min  
Lab File: BF108254.D  
Acq: 17 Aug 2018 20:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 32.5  | 26.3  | 39.5  |
| 123     | 11.2  | 9.8   | 14.6  |





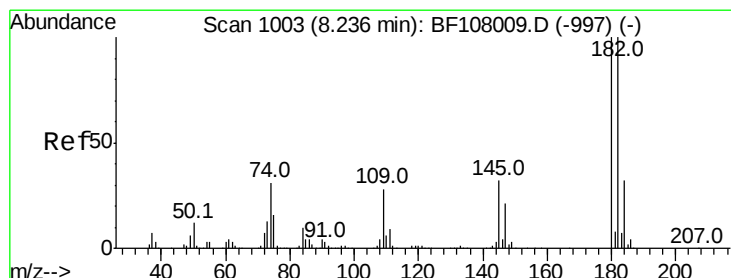
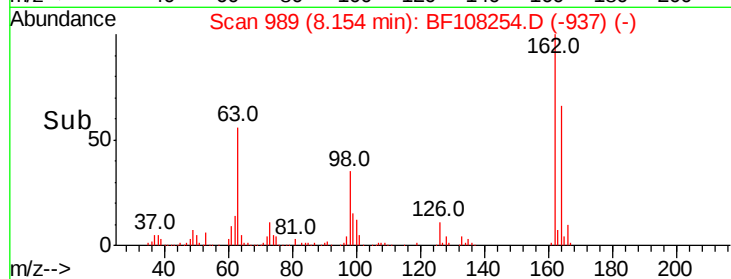
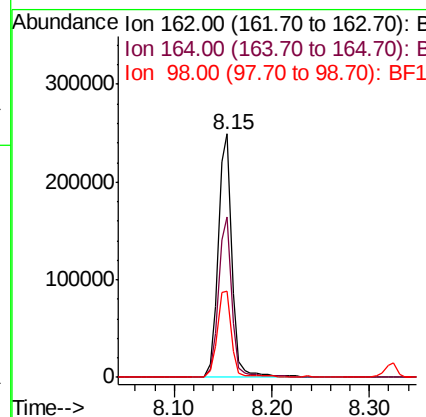
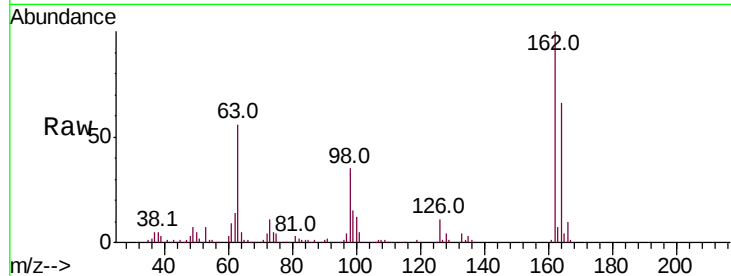
#29  
2,4-Dichlorophenol  
Concen: 34.068 ng  
RT: 8.15 min Scan# 989  
Delta R.T. 0.01 min  
Lab File: BF108254.D  
Acq: 17 Aug 2018 20:19

Instrument :  
BNA\_F  
ClientSampleId :  
RA-081518-FL-031MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 162     | 100   | 244653 |       |       |
| 164     | 65.7  | 42.7   | 82.7  |       |
| 98      | 35.4  | 18.1   | 58.1  |       |

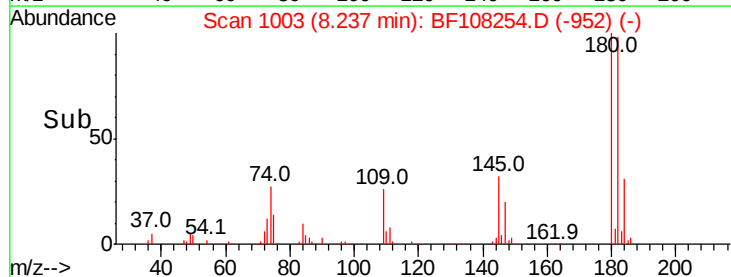
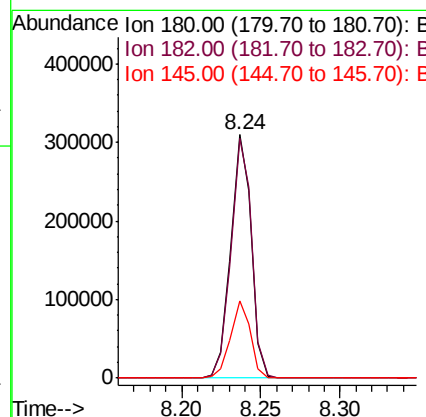
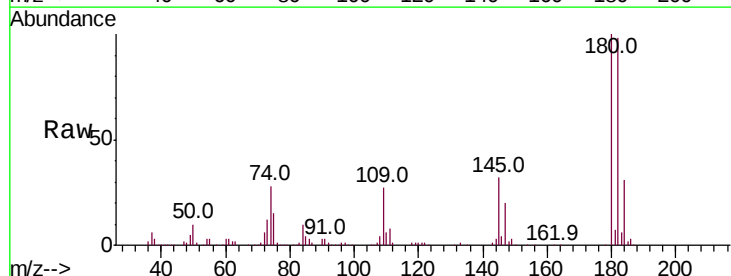
Manual Integrations  
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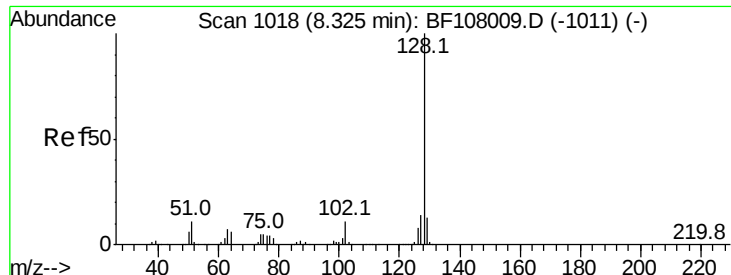
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#30  
1,2,4-Trichlorobenzene  
Concen: 34.955 ng  
RT: 8.24 min Scan# 1003  
Delta R.T. 0.00 min  
Lab File: BF108254.D  
Acq: 17 Aug 2018 20:19

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 276762 |       |       |
| 182     | 98.2  | 76.8   | 115.2 |       |
| 145     | 31.8  | 26.5   | 39.7  |       |





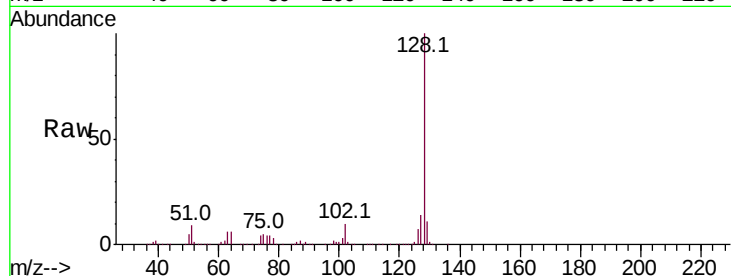
#31  
Naphthalene  
Concen: 35.928 ng  
RT: 8.32 min Scan# 1018  
Delta R.T. 0.00 min  
Lab File: BF108254.D  
Acq: 17 Aug 2018 20:19

Instrument :  
BNA\_F  
ClientSampleId :  
RA-081518-FL-031MSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 128     | 100   |      |       |       |
| 129     | 11.1  | 8.8  | 13.2  |       |
| 127     | 13.7  | 10.9 | 16.3  |       |

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8/20/2018 12:48:30 PM

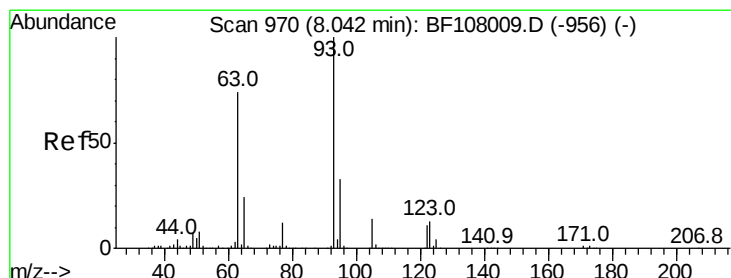
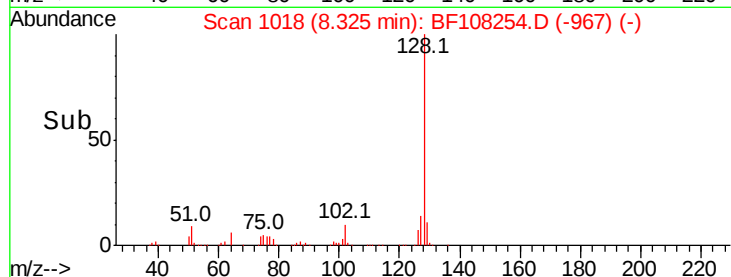
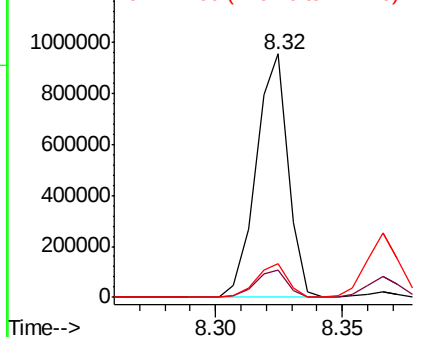


Abundance

Ion 128.00 (127.70 to 128.70): E

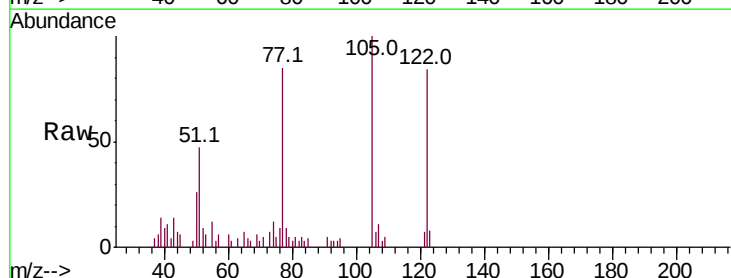
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32  
Benzoic acid  
Concen: 8.658 ng  
RT: 8.00 min Scan# 962  
Delta R.T. -0.05 min  
Lab File: BF108254.D  
Acq: 17 Aug 2018 20:19

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 122     | 100   |       |       |       |
| 105     | 118.7 | 101.1 | 141.1 |       |
| 77      | 101.1 | 70.7  | 110.7 |       |

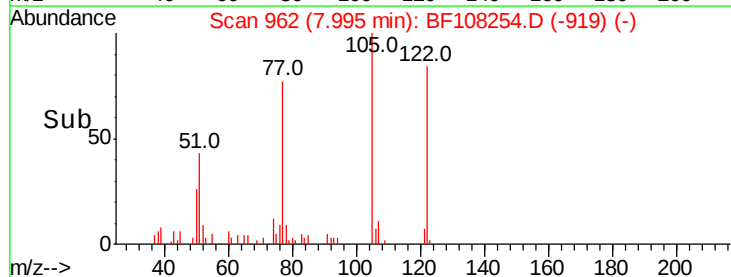
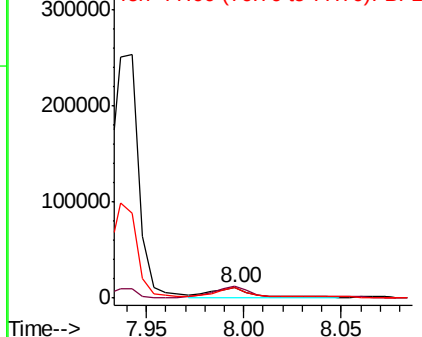


Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





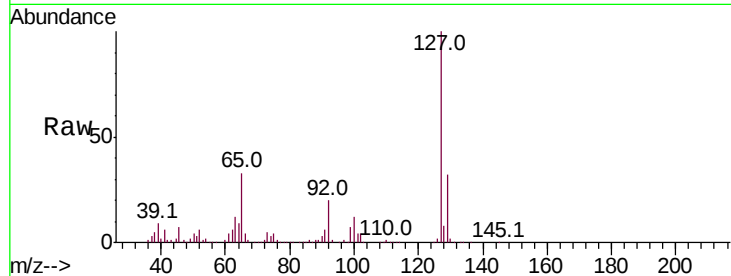
#33  
4-Chloroaniline  
Concen: 23.336 ng  
RT: 8.37 min Scan# 1025  
Delta R.T. 0.00 min  
Lab File: BF108254.D  
Acq: 17 Aug 2018 20:19

Instrument :  
BNA\_F  
ClientSampleId :  
RA-081518-FL-031MSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 127     | 100   |      |       |       |
| 129     | 32.0  | 25.9 | 38.9  |       |
| 65      | 33.1  | 25.0 | 37.4  |       |
| 92      | 19.6  | 15.2 | 22.8  |       |

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8/20/2018 12:48:30 PM



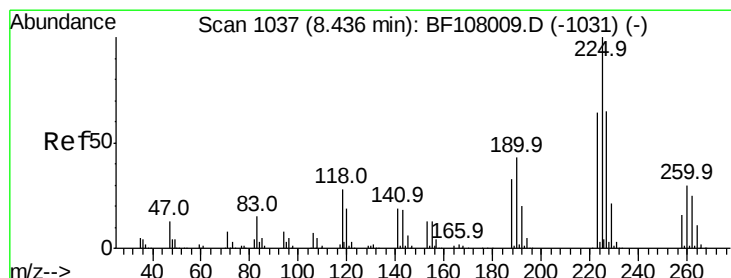
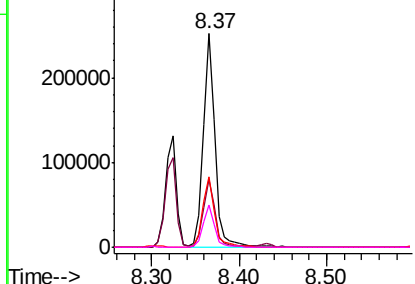
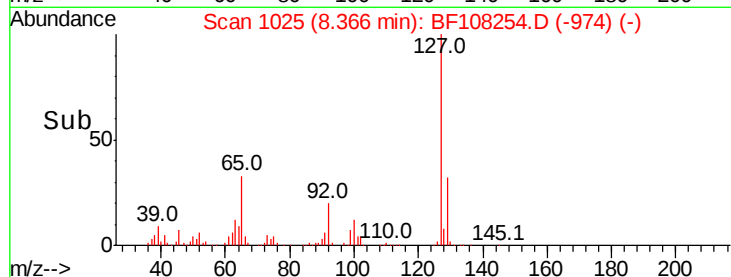
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

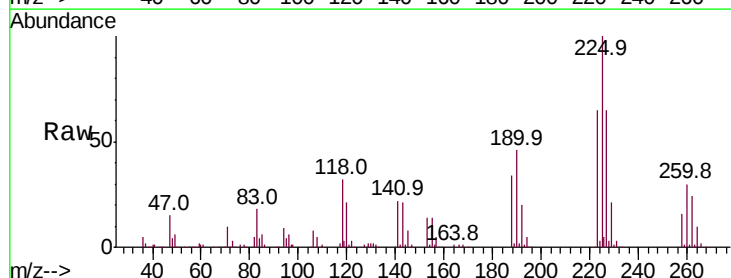
Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1



#34  
Hexachlorobutadiene  
Concen: 34.960 ng  
RT: 8.43 min Scan# 1036  
Delta R.T. -0.01 min  
Lab File: BF108254.D  
Acq: 17 Aug 2018 20:19

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 225     | 100   |      |       |       |
| 223     | 65.1  | 50.6 | 76.0  |       |
| 227     | 65.4  | 51.9 | 77.9  |       |

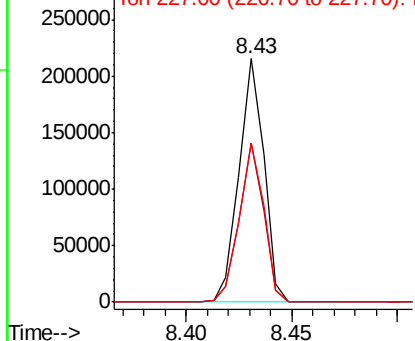
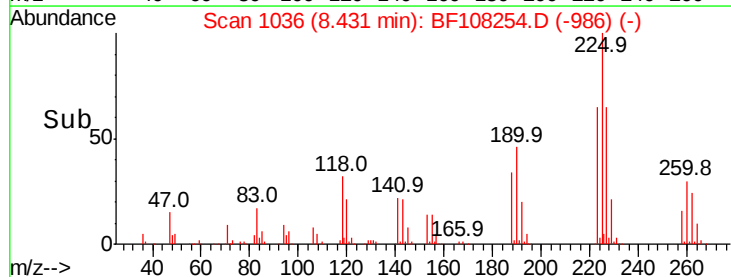


Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





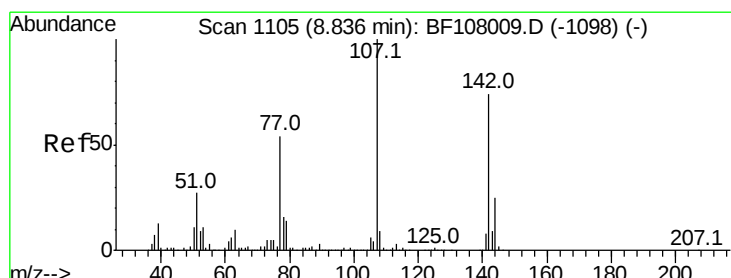
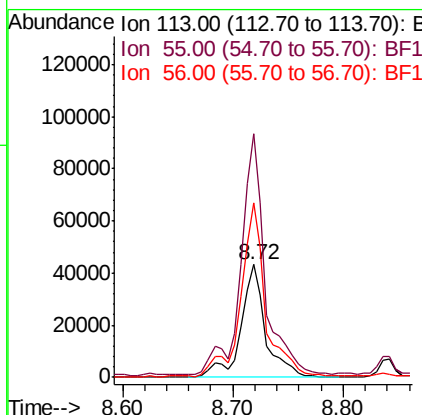
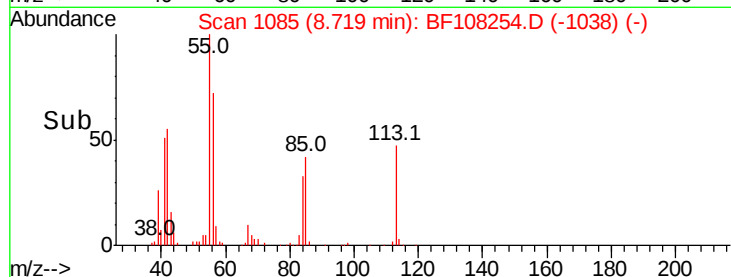
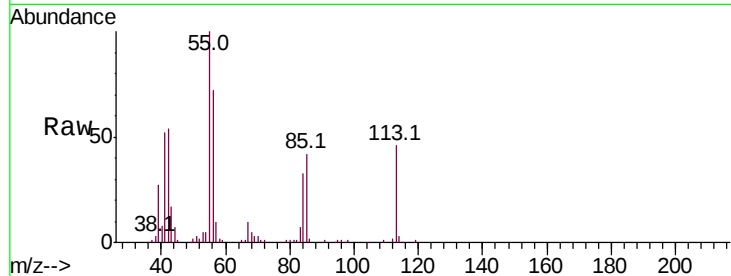
#35  
 Caprolactam  
 Concen: 30.073 ng  
 RT: 8.72 min Scan# 1085  
 Delta R.T. -0.02 min  
 Lab File: BF108254.D  
 Acq: 17 Aug 2018 20:19

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RA-081518-FL-031MSD

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 113     | 100   |       |        |
| 55      | 215.7 | 163.3 | 203.3# |
| 56      | 154.7 | 115.7 | 155.7  |

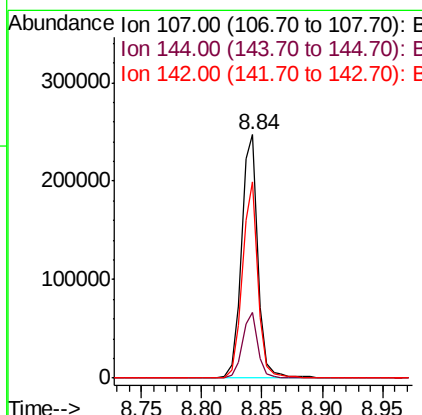
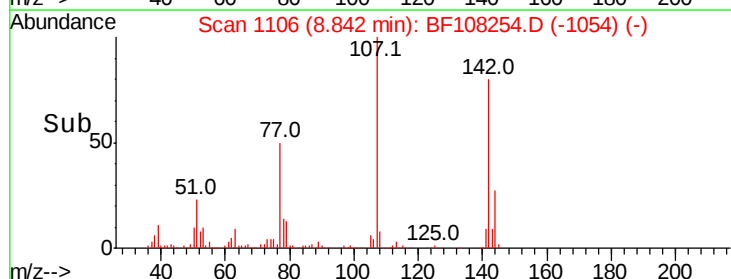
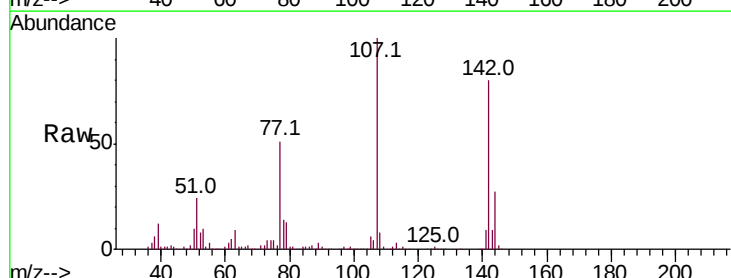
Manual Integrations  
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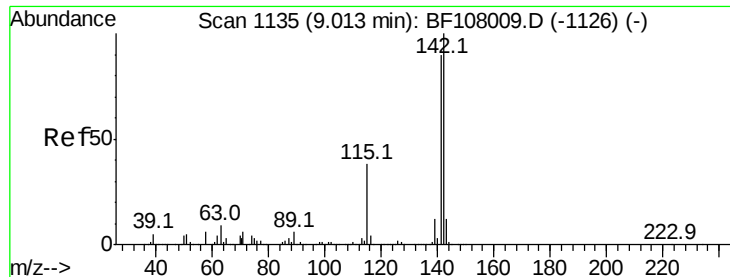
Sohil  
 8/20/2018 12:48:30 PM



#36  
 4-Chloro-3-methylphenol  
 Concen: 30.244 ng  
 RT: 8.84 min Scan# 1106  
 Delta R.T. 0.01 min  
 Lab File: BF108254.D  
 Acq: 17 Aug 2018 20:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 144     | 26.8  | 20.5  | 30.7  |
| 142     | 80.5  | 62.0  | 93.0  |





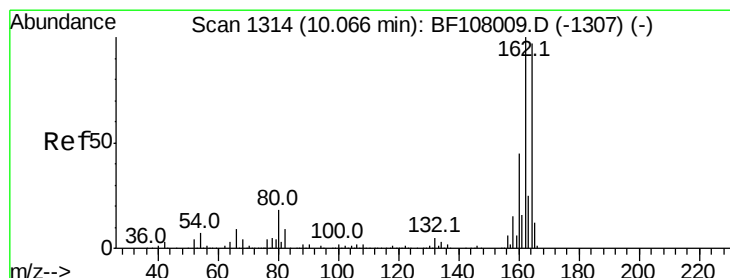
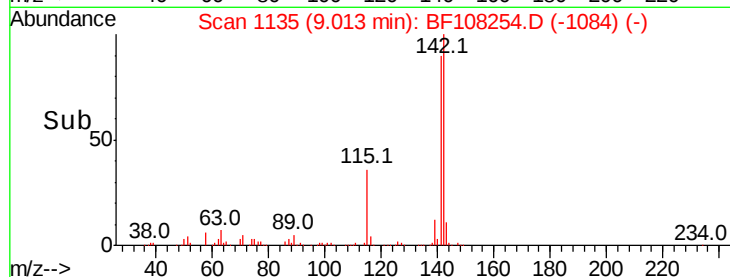
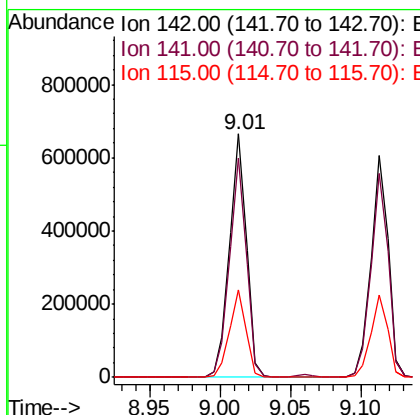
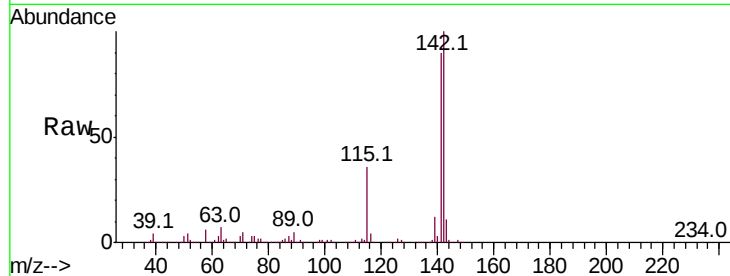
#37  
2-Methylnaphthalene  
Concen: 33.776 ng  
RT: 9.01 min Scan# 1135  
Delta R.T. 0.00 min  
Lab File: BF108254.D  
Acq: 17 Aug 2018 20:19

Instrument :  
BNA\_F  
ClientSampleId :  
RA-081518-FL-031MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 142     | 100   | 559418 |       |       |
| 141     | 89.9  | 70.8   | 106.2 |       |
| 115     | 35.8  | 26.1   | 39.1  |       |

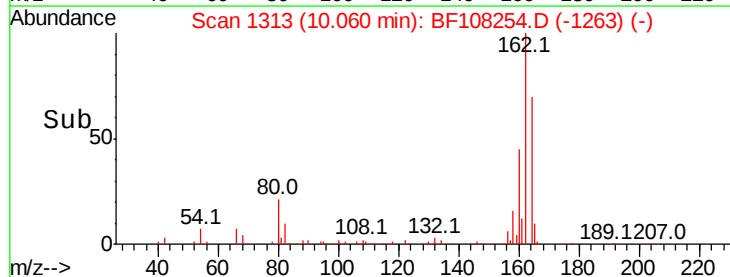
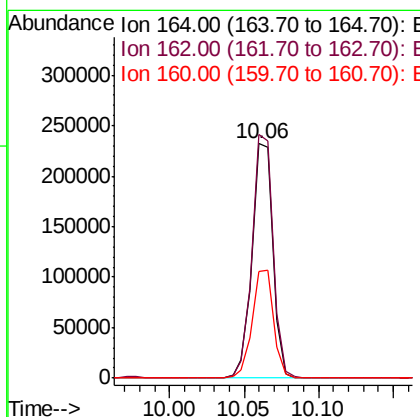
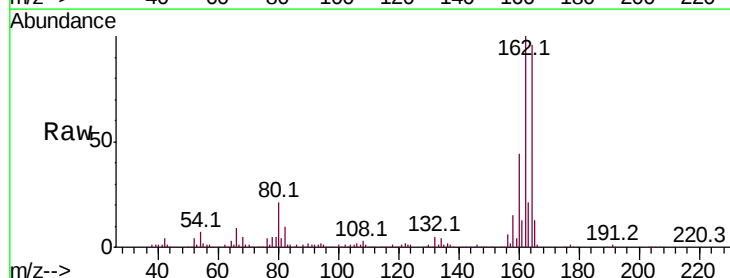
Manual Integrations  
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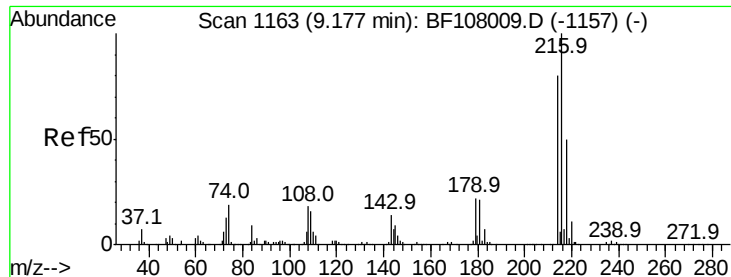
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8/20/2018 12:48:30 PM



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 10.06 min Scan# 1313  
Delta R.T. -0.01 min  
Lab File: BF108254.D  
Acq: 17 Aug 2018 20:19

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 164     | 100   | 224491 |       |       |
| 162     | 104.0 | 86.1   | 129.1 |       |
| 160     | 45.8  | 38.3   | 57.5  |       |





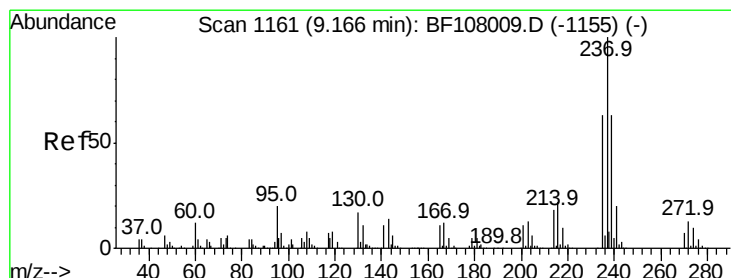
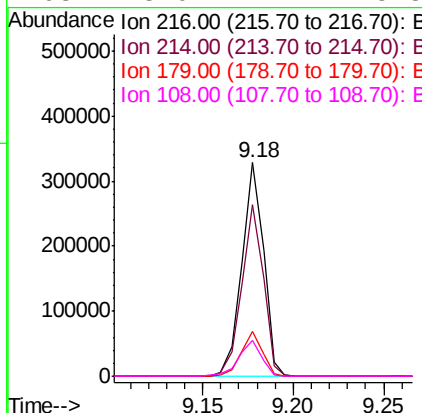
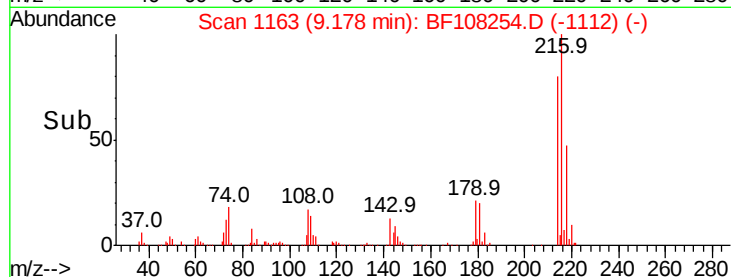
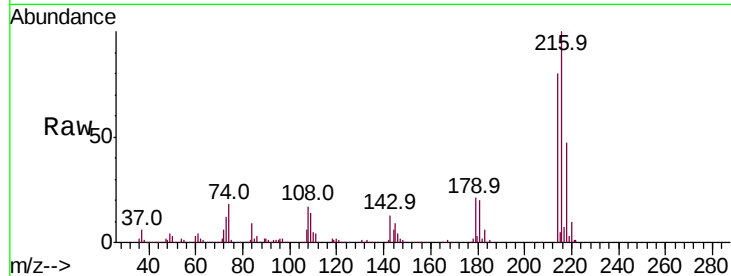
#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 39.752 ng  
 RT: 9.18 min Scan# 1163  
 Delta R.T. 0.00 min  
 Lab File: BF108254.D  
 Acq: 17 Aug 2018 20:19

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RA-081518-FL-031MSD

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 216     | 100   |            |       |
| 214     | 79.7  | 63.0       | 94.4  |
| 179     | 20.4  | 18.1       | 27.1  |
| 108     | 18.0  | 17.2       | 25.8  |

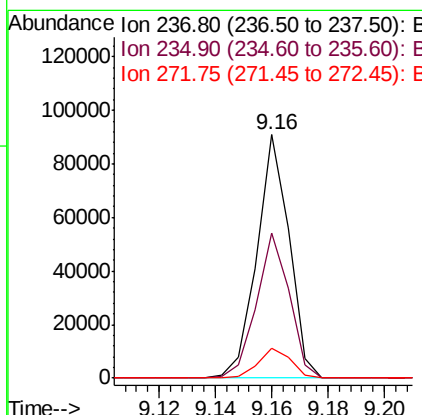
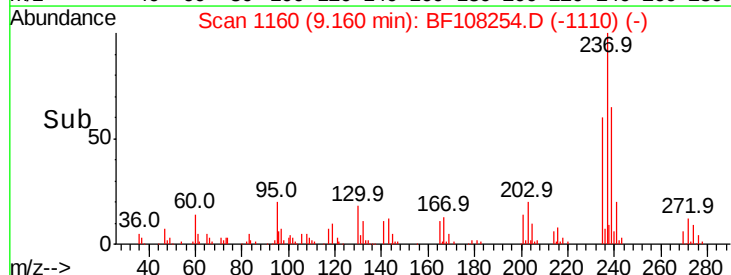
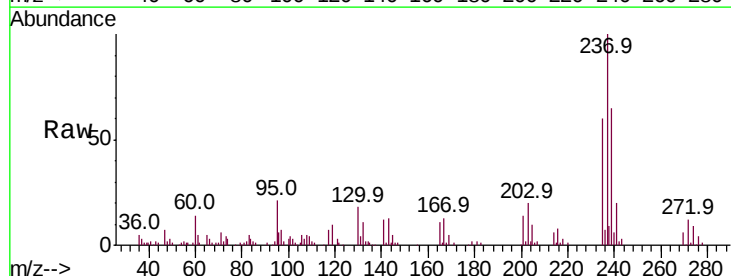
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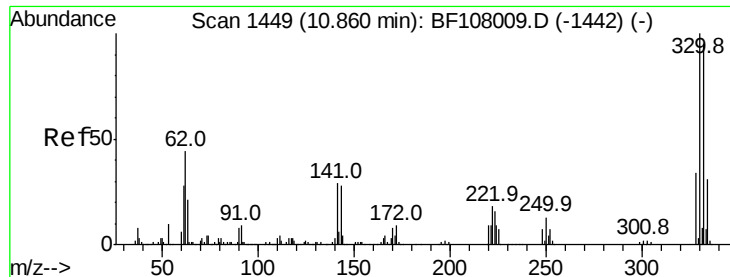
Sohil  
 8/20/2018 12:48:30 PM



#40  
 Hexachlorocyclopentadiene  
 Concen: 16.208 ng  
 RT: 9.16 min Scan# 1160  
 Delta R.T. -0.01 min  
 Lab File: BF108254.D  
 Acq: 17 Aug 2018 20:19

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 237     | 100   |            |       |
| 235     | 59.6  | 44.8       | 84.8  |
| 272     | 12.3  | 0.0        | 33.3  |





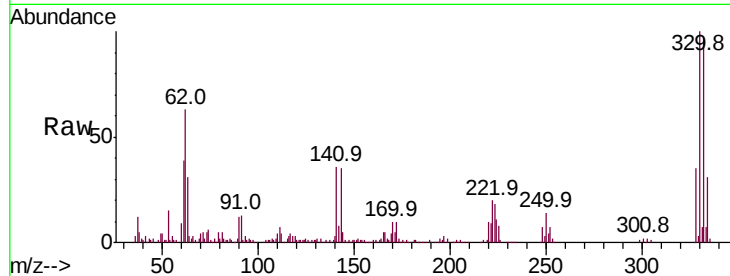
#41  
 2,4,6-Tribromophenol  
 Concen: 91.881 ng  
 RT: 10.85 min Scan# 1448  
 Delta R.T. -0.01 min  
 Lab File: BF108254.D  
 Acq: 17 Aug 2018 20:19

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RA-081518-FL-031MSD

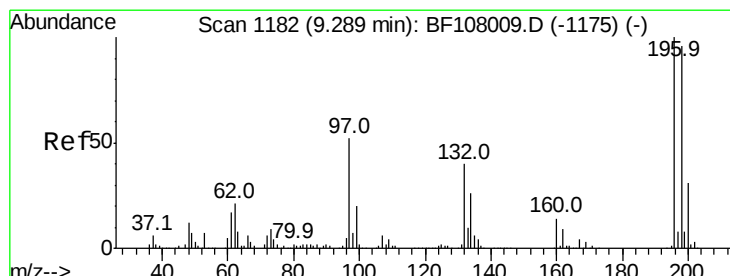
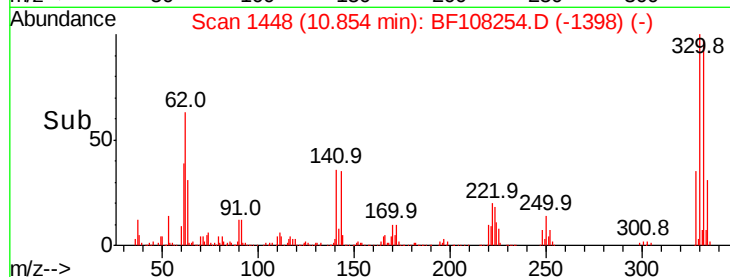
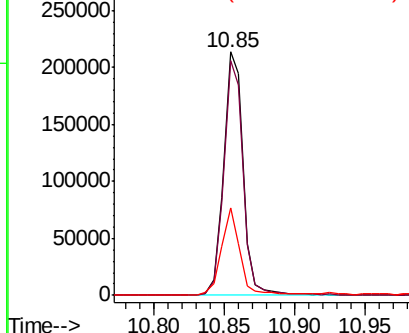
| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 330     | 100   |      |       |       |
| 332     | 96.2  | 77.0 | 115.6 |       |
| 141     | 33.1  | 29.9 | 44.9  |       |

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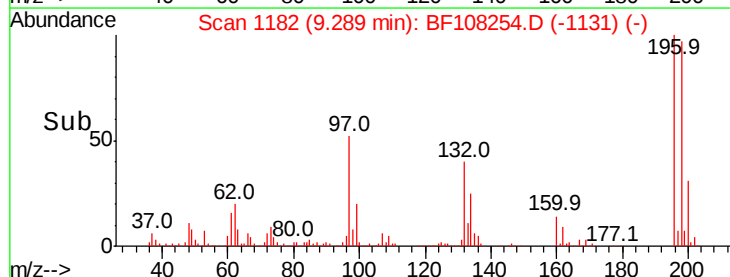
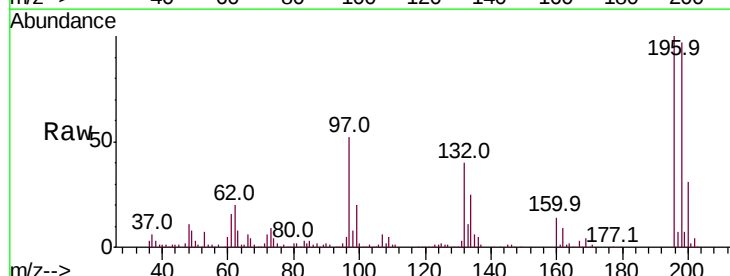
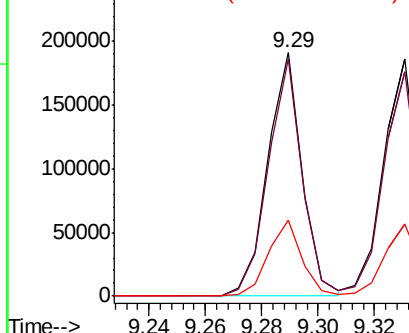
Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

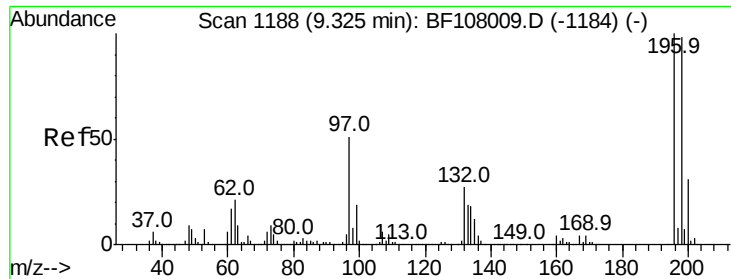


#42  
 2,4,6-Trichlorophenol  
 Concen: 37.678 ng  
 RT: 9.29 min Scan# 1182  
 Delta R.T. 0.00 min  
 Lab File: BF108254.D  
 Acq: 17 Aug 2018 20:19

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 196     | 100   |      |       |       |
| 198     | 97.3  | 75.7 | 113.5 |       |
| 200     | 31.4  | 24.5 | 36.7  |       |

Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 200.00 (199.70 to 200.70): E





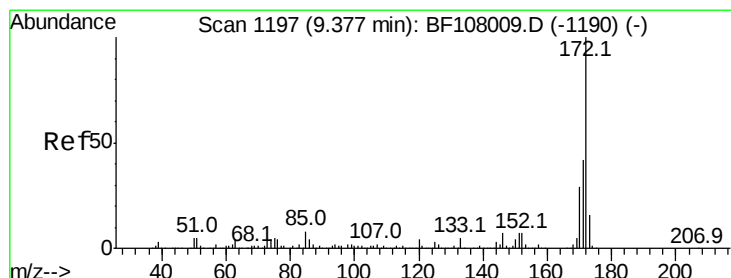
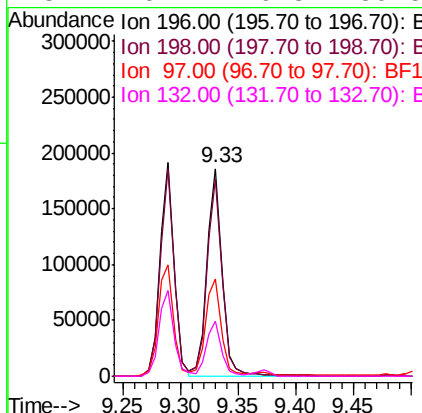
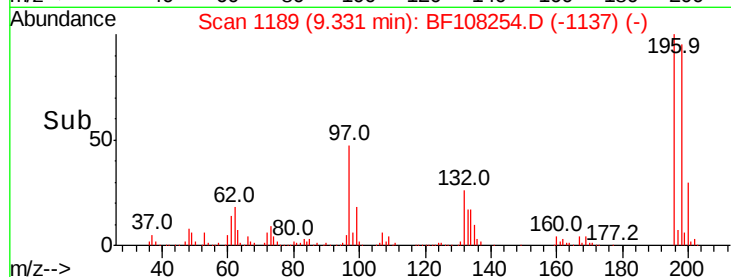
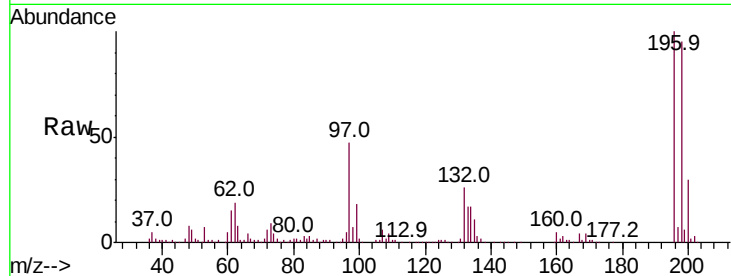
#43  
 2,4,5-Trichlorophenol  
 Concen: 36.517 ng  
 RT: 9.33 min Scan# 1189  
 Delta R.T. 0.01 min  
 Lab File: BF108254.D  
 Acq: 17 Aug 2018 20:19

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RA-081518-FL-031MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 196   | Resp: | 171972 |
| Ion Ratio | Lower | Upper |        |
| 196       | 100   |       |        |
| 198       | 94.9  | 74.6  | 112.0  |
| 97        | 47.1  | 42.9  | 64.3   |
| 132       | 26.2  | 26.3  | 39.5#  |

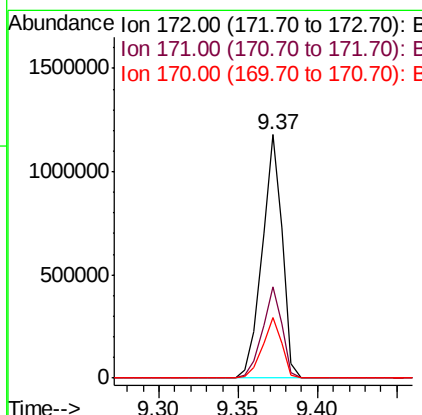
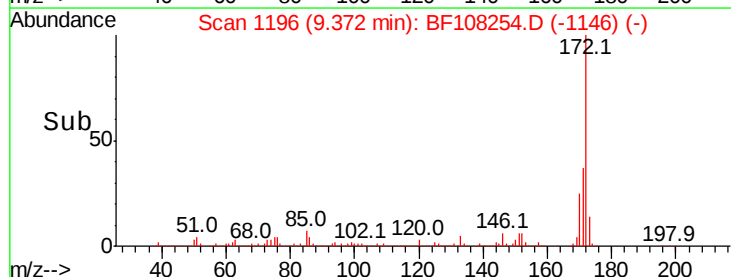
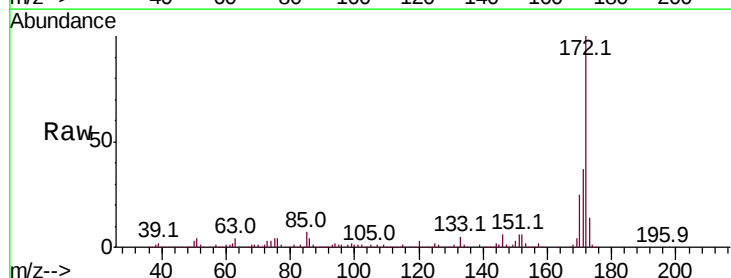
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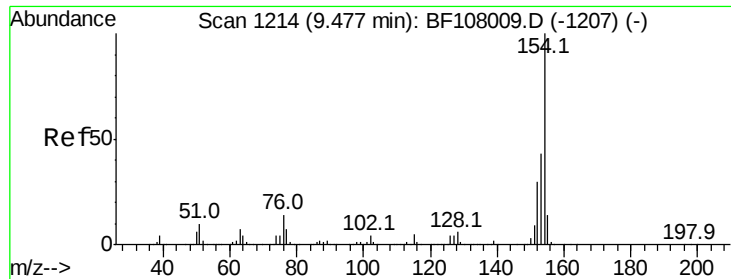
Sohil  
 8/20/2018 12:48:30 PM



#44  
 2-Fluorobiphenyl  
 Concen: 74.648 ng  
 RT: 9.37 min Scan# 1196  
 Delta R.T. -0.01 min  
 Lab File: BF108254.D  
 Acq: 17 Aug 2018 20:19

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 172   | Resp: | 1043789 |
| Ion Ratio | Lower | Upper |         |
| 172       | 100   |       |         |
| 171       | 37.3  | 29.7  | 44.5    |
| 170       | 24.9  | 19.6  | 29.4    |





#45

1,1'-Biphenyl

Concen: 39.502 ng

RT: 9.48 min Scan# 1214

Delta R.T. 0.00 min

Lab File: BF108254.D

Acq: 17 Aug 2018 20:19

Instrument :

BNA\_F

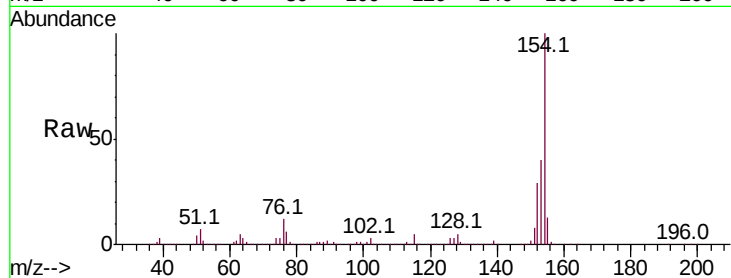
ClientSampleId :

RA-081518-FL-031MSD

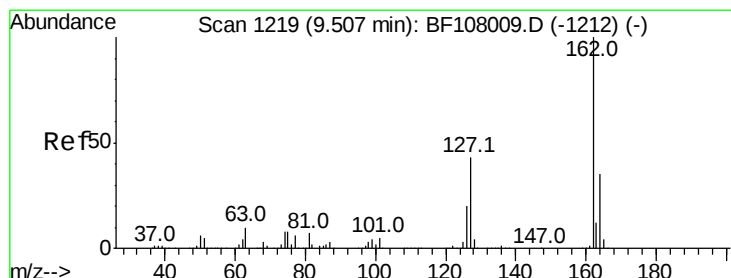
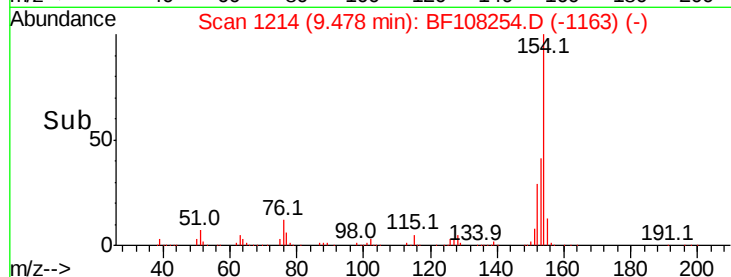
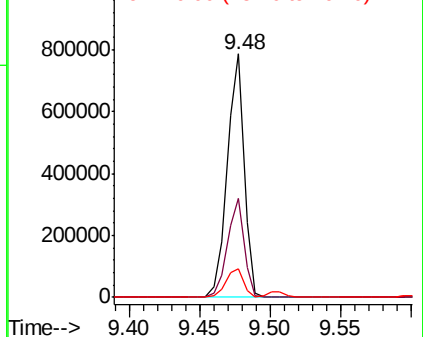
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 154   | Resp: | 653818 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 40.5  | 21.3  | 61.3   |
| 76        | 11.8  | 0.0   | 34.0   |

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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: 37.486 ng

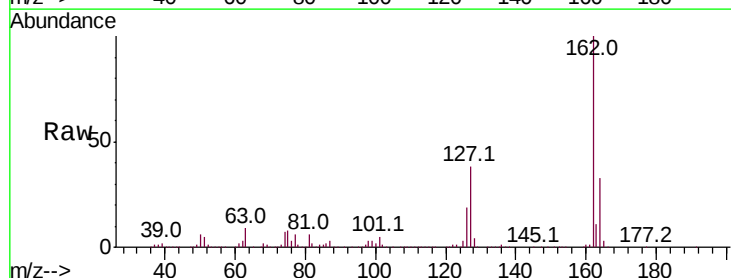
RT: 9.51 min Scan# 1219

Delta R.T. 0.00 min

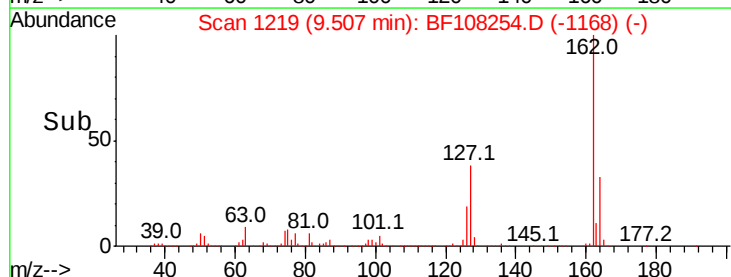
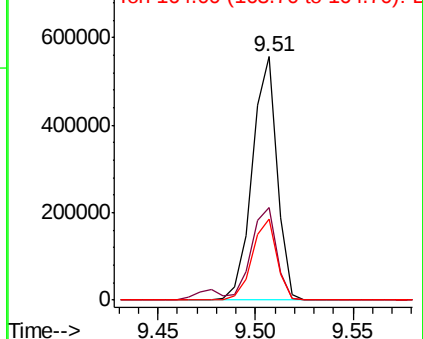
Lab File: BF108254.D

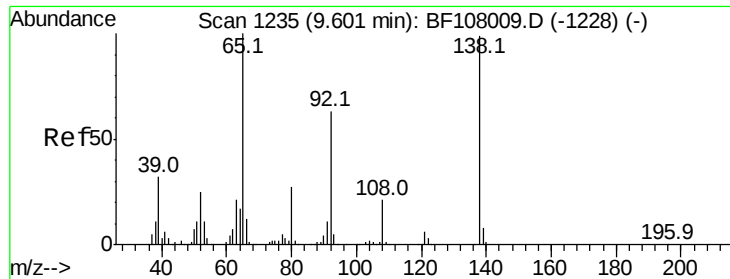
Acq: 17 Aug 2018 20:19

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 162   | Resp: | 490388 |
| Ion Ratio | Lower | Upper |        |
| 162       | 100   |       |        |
| 127       | 38.0  | 33.9  | 50.9   |
| 164       | 33.3  | 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





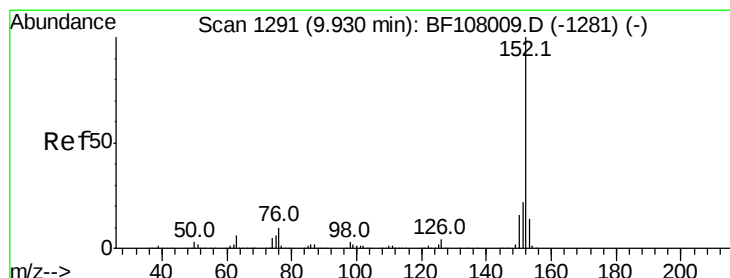
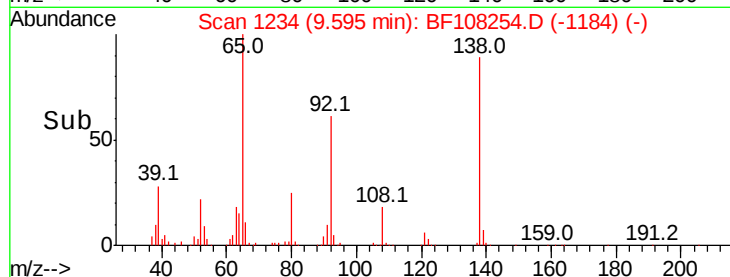
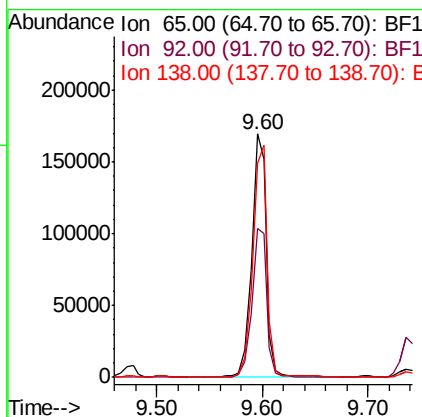
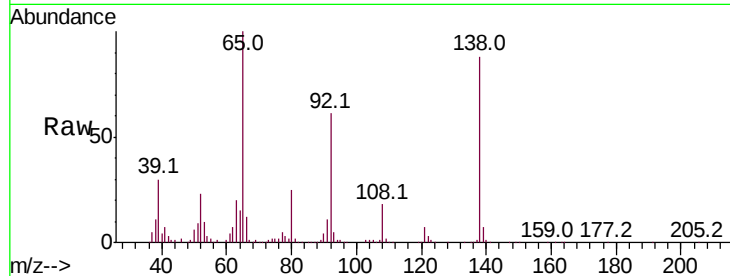
#47  
2-Nitroaniline  
Concen: 38.231 ng  
RT: 9.60 min Scan# 1234  
Delta R.T. -0.01 min  
Lab File: BF108254.D  
Acq: 17 Aug 2018 20:19

Instrument :  
BNA\_F  
ClientSampleId :  
RA-081518-FL-031MSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 65      | 100   |      |       |       |
| 92      | 61.3  | 55.8 | 83.6  |       |
| 138     | 88.2  | 91.2 | 136.8 |       |

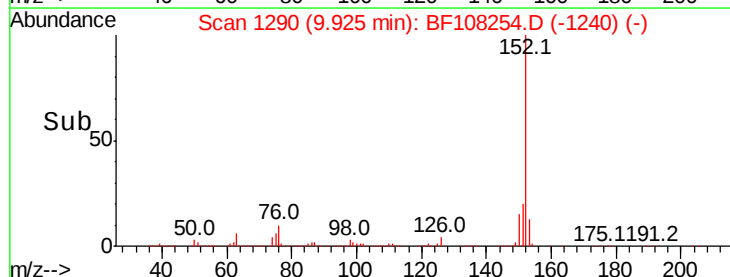
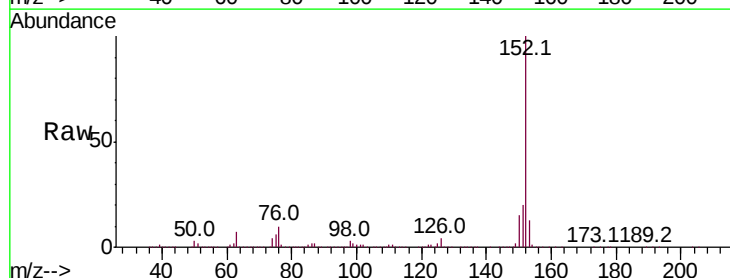
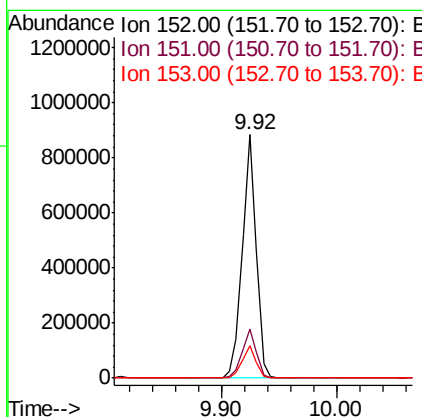
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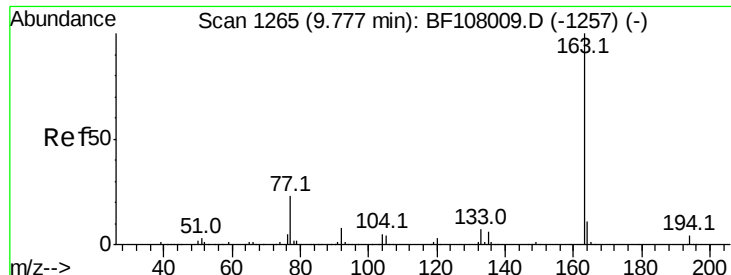
Sohil  
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#48  
Acenaphthylene  
Concen: 36.005 ng  
RT: 9.92 min Scan# 1290  
Delta R.T. -0.01 min  
Lab File: BF108254.D  
Acq: 17 Aug 2018 20:19

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 152     | 100   |      |       |       |
| 151     | 20.4  | 16.3 | 24.5  |       |
| 153     | 13.4  | 10.7 | 16.1  |       |





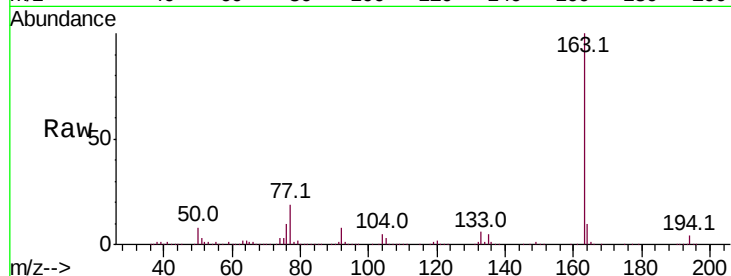
#49  
Dimethylphthalate  
Concen: 42.110 ng  
RT: 9.77 min Scan# 1264  
Delta R.T. -0.01 min  
Lab File: BF108254.D  
Acq: 17 Aug 2018 20:19

Instrument :  
BNA\_F  
ClientSampleId :  
RA-081518-FL-031MSD

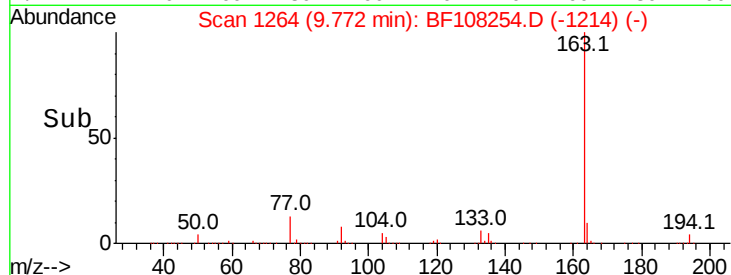
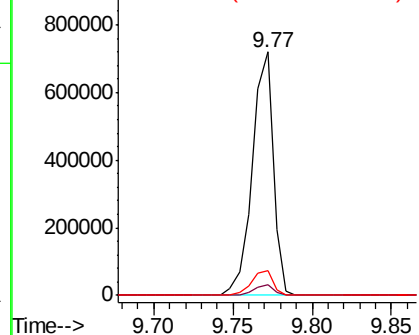
| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 163     | 100   |      |       |       |
| 194     | 4.2   | 2.7  | 4.1#  |       |
| 164     | 10.1  | 8.2  | 12.2  |       |

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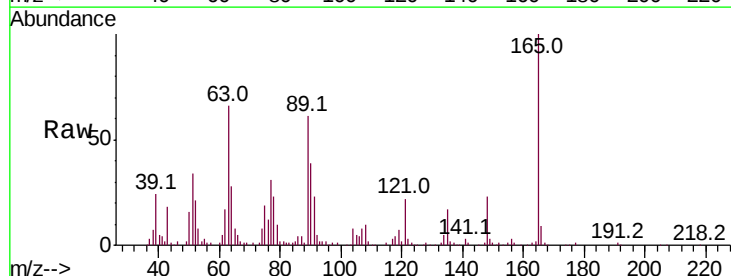
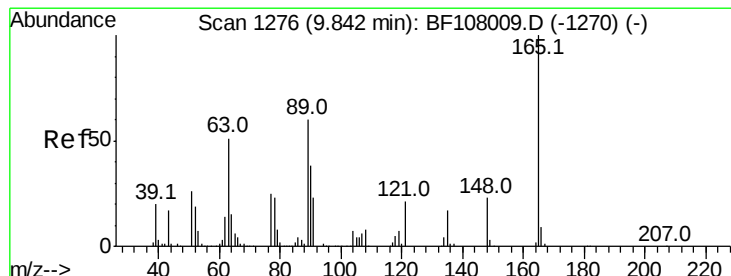
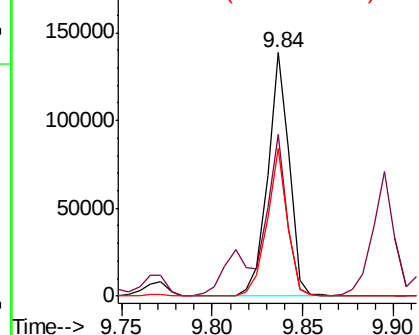
Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

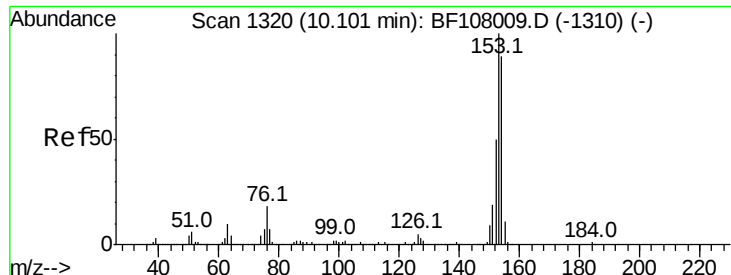


#50  
2,6-Dinitrotoluene  
Concen: 34.821 ng  
RT: 9.84 min Scan# 1275  
Delta R.T. -0.01 min  
Lab File: BF108254.D  
Acq: 17 Aug 2018 20:19

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 165     | 100   |      |       |       |
| 63      | 66.3  | 44.7 | 67.1  |       |
| 89      | 60.6  | 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: 33.808 ng

RT: 10.10 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF108254.D

Acq: 17 Aug 2018 20:19

Instrument :

BNA\_F

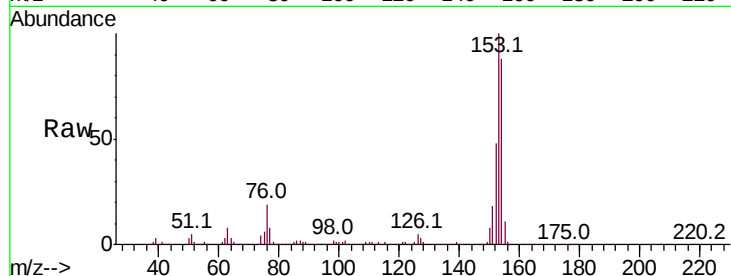
ClientSampleId :

RA-081518-FL-031MSD

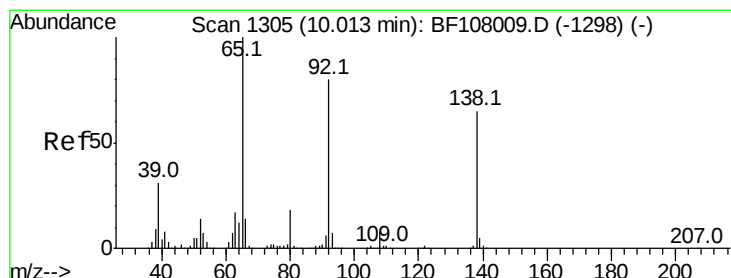
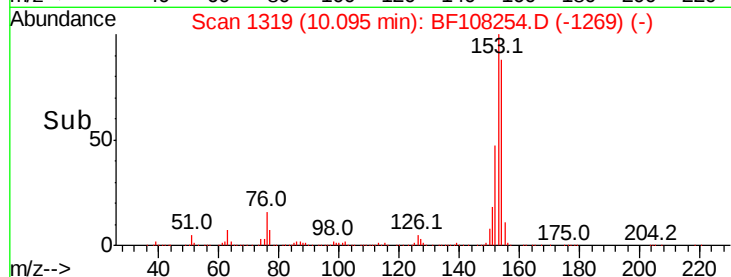
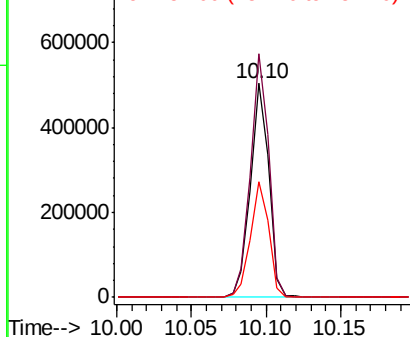
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 154   | Resp: | 428252 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 113.9 | 91.2  | 136.8  |
| 152       | 54.3  | 43.8  | 65.8   |

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



#52

3-Nitroaniline

Concen: 30.099 ng

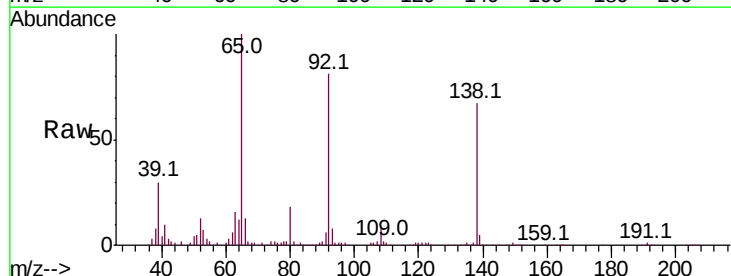
RT: 10.01 min Scan# 1304

Delta R.T. -0.01 min

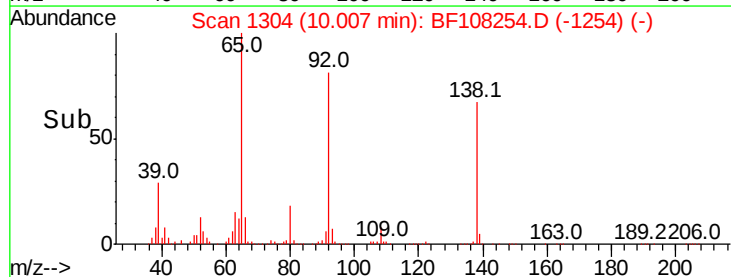
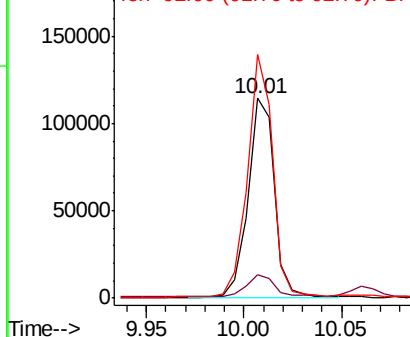
Lab File: BF108254.D

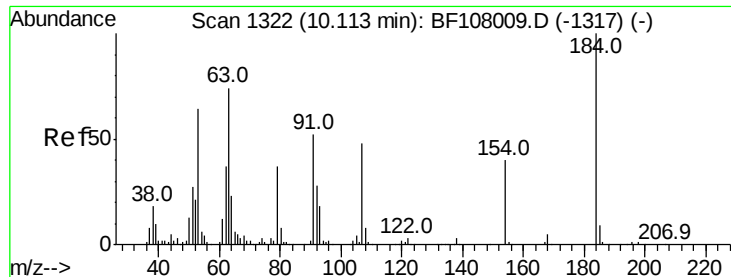
Acq: 17 Aug 2018 20:19

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 138   | Resp: | 107744 |
| Ion Ratio | Lower | Upper |        |
| 138       | 100   |       |        |
| 108       | 12.0  | 9.4   | 14.0   |
| 92        | 121.8 | 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





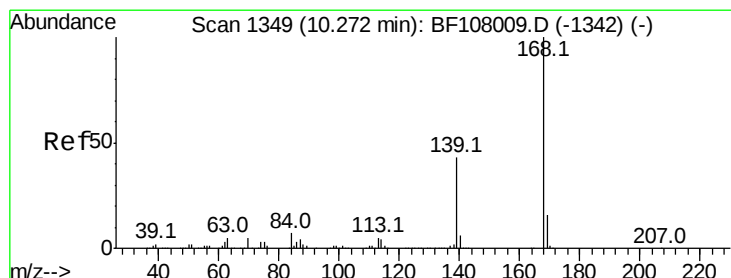
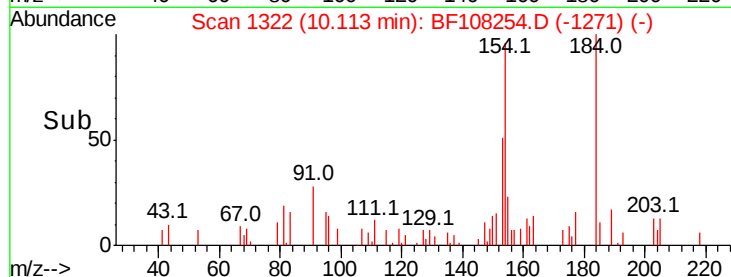
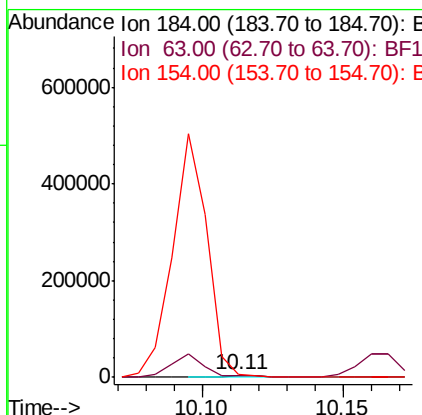
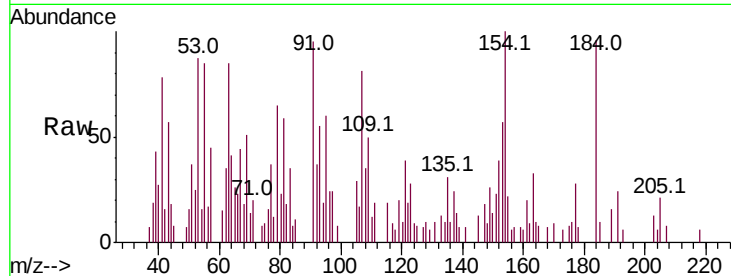
#53  
2,4-Dinitrophenol  
Concen: 10.519 ng  
RT: 10.11 min Scan# 1322  
Delta R.T. 0.00 min  
Lab File: BF108254.D  
Acq: 17 Aug 2018 20:19

Instrument :  
BNA\_F  
ClientSampleId :  
RA-081518-FL-031MSD

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 184     | 100   |       |        |
| 63      | 88.8  | 54.2  | 81.2#  |
| 154     | 104.2 | 184.0 | 276.0# |

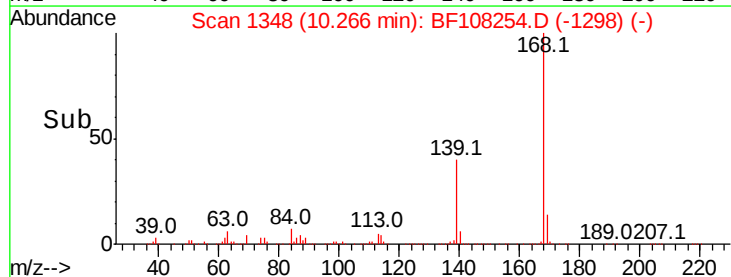
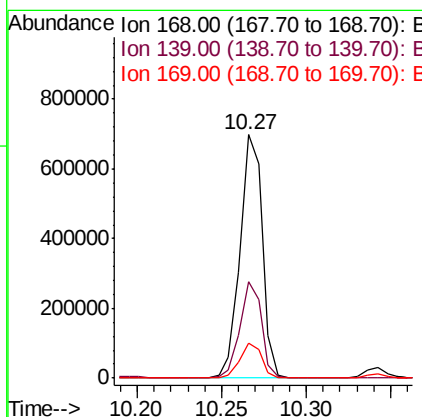
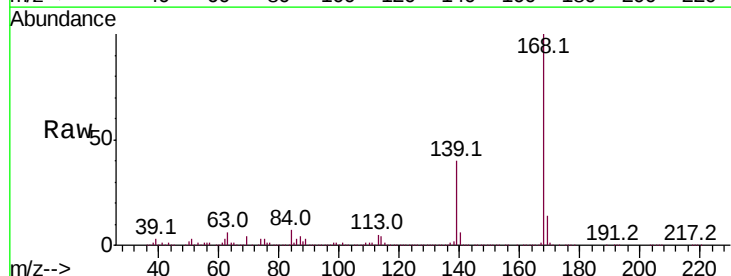
Manual Integrations  
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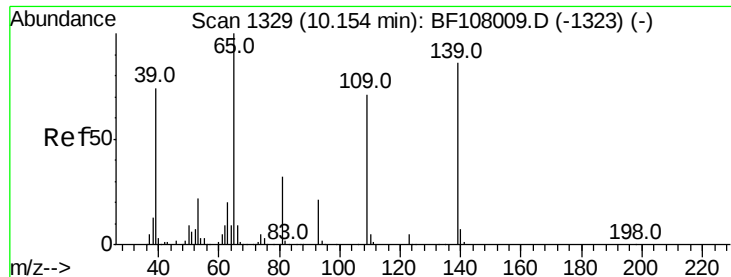
Sohil  
8/20/2018 12:48:30 PM



#54  
Dibenzofuran  
Concen: 34.985 ng  
RT: 10.27 min Scan# 1348  
Delta R.T. -0.01 min  
Lab File: BF108254.D  
Acq: 17 Aug 2018 20:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 39.9  | 30.1  | 45.1  |
| 169     | 14.2  | 10.9  | 16.3  |





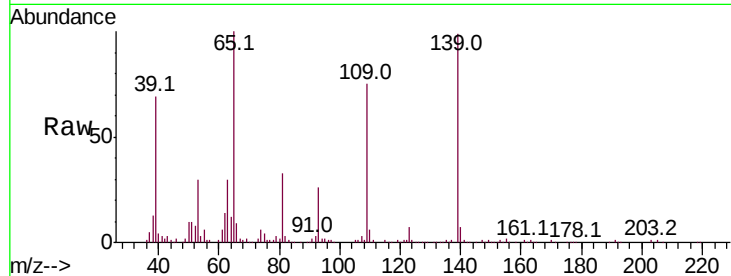
#55  
4-Nitrophenol  
Concen: 60.110 ng  
RT: 10.17 min Scan# 1331  
Delta R.T. 0.01 min  
Lab File: BF108254.D  
Acq: 17 Aug 2018 20:19

Instrument :  
BNA\_F  
ClientSampleId :  
RA-081518-FL-031MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 139     | 100   | 162939 |       |       |
| 109     | 75.6  | 48.4   | 88.4  |       |
| 65      | 100.7 | 72.6   | 112.6 |       |

Manual Integrations  
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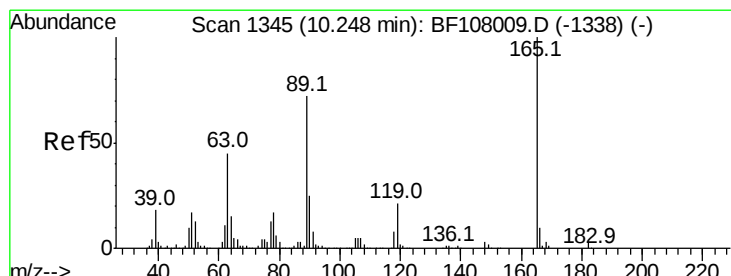
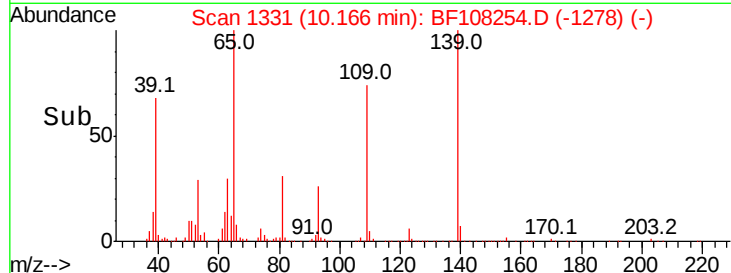
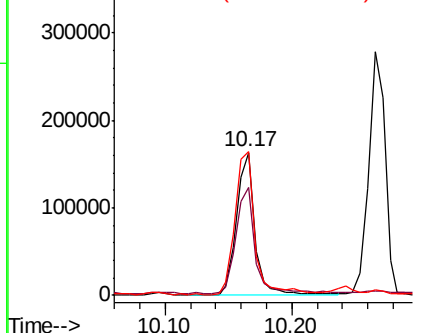


Abundance

Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#56  
2,4-Dinitrotoluene  
Concen: 32.510 ng  
RT: 10.24 min Scan# 1344  
Delta R.T. -0.01 min  
Lab File: BF108254.D  
Acq: 17 Aug 2018 20:19

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 165     | 100   | 136911 |       |       |
| 63      | 47.3  | 36.4   | 54.6  |       |
| 89      | 76.1  | 57.8   | 86.6  |       |
| 182     | 2.7   | 1.6    | 2.4   | #     |

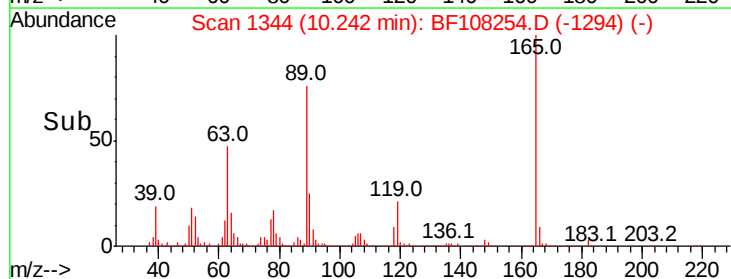
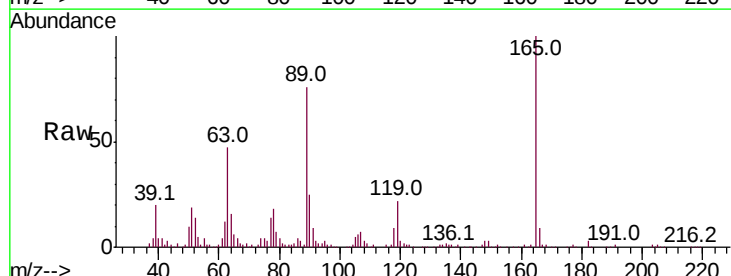
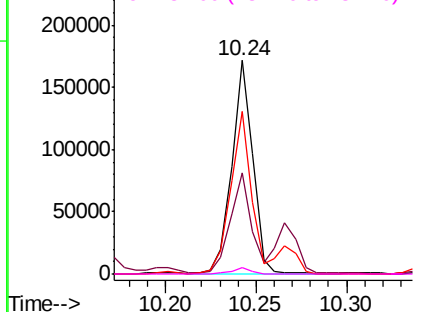
Abundance

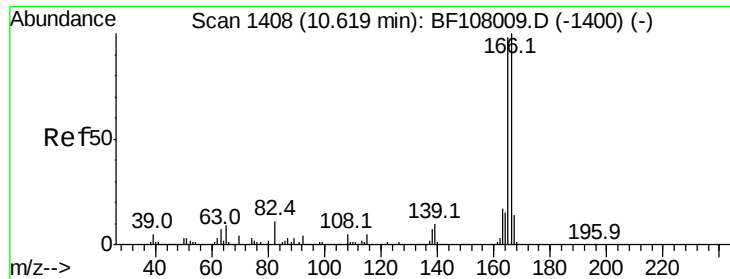
Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E





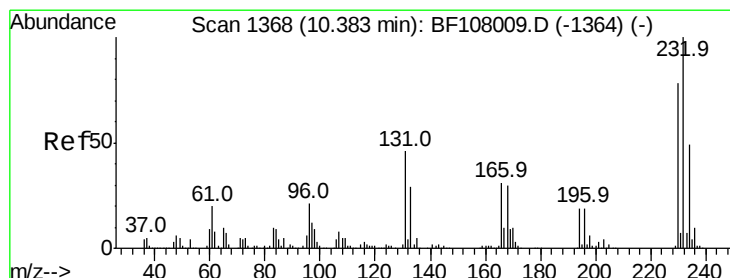
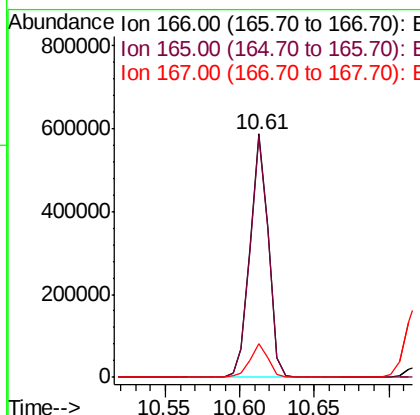
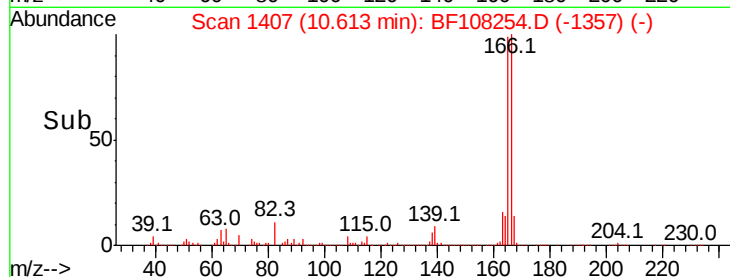
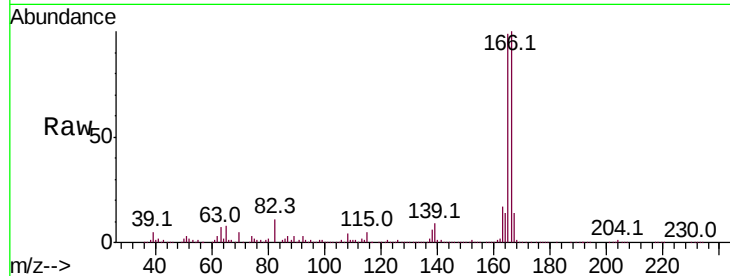
#57  
**Fluorene**  
 Concen: 33.790 ng  
 RT: 10.61 min Scan# 1407  
 Delta R.T. -0.01 min  
 Lab File: BF108254.D  
 Acq: 17 Aug 2018 20:19

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RA-081518-FL-031MSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 166     | 100   |      |       |       |
| 165     | 98.9  | 79.8 | 119.8 |       |
| 167     | 13.6  | 10.6 | 16.0  |       |

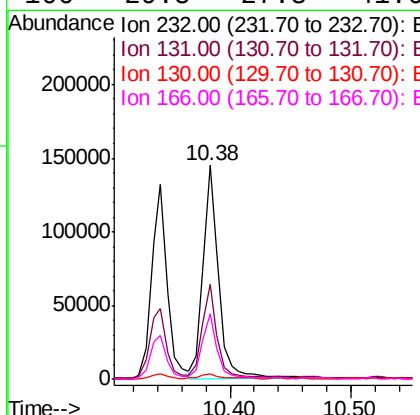
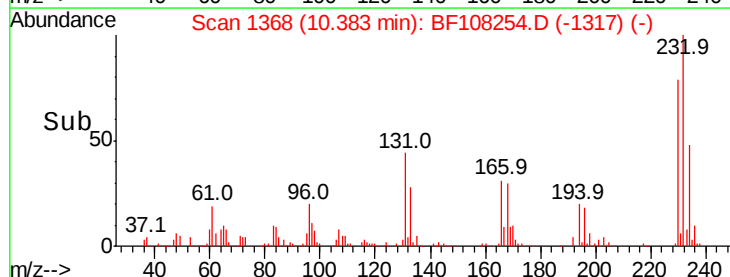
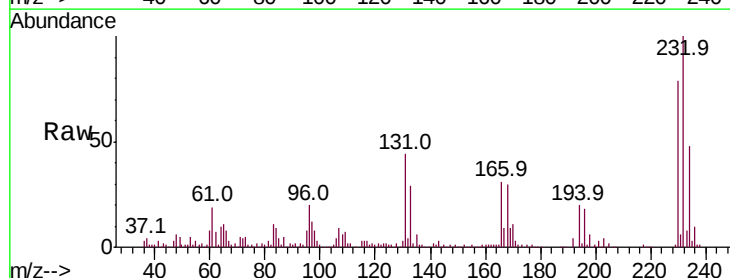
Manual Integrations  
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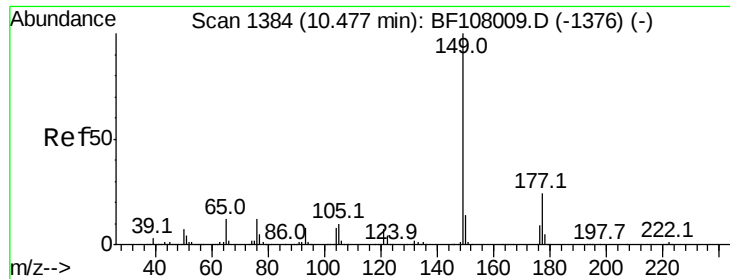
Sohil  
 8/20/2018 12:48:30 PM



#58  
**2,3,4,6-Tetrachlorophenol**  
 Concen: 33.098 ng  
 RT: 10.38 min Scan# 1368  
 Delta R.T. 0.00 min  
 Lab File: BF108254.D  
 Acq: 17 Aug 2018 20:19

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 232     | 100   |      |       |       |
| 131     | 42.7  | 43.8 | 65.8# |       |
| 130     | 2.8   | 2.1  | 3.1   |       |
| 166     | 29.5  | 27.8 | 41.6  |       |





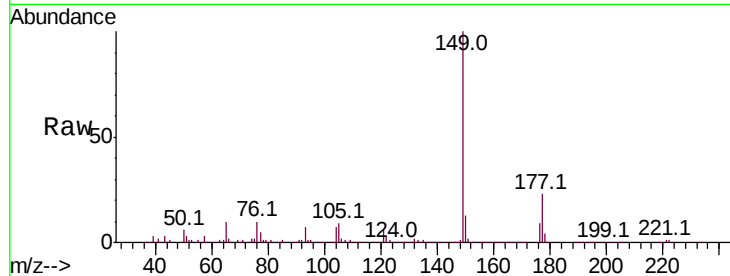
#59  
Diethylphthalate  
Concen: 34.921 ng  
RT: 10.47 min Scan# 1383  
Delta R.T. -0.01 min  
Lab File: BF108254.D  
Acq: 17 Aug 2018 20:19

Instrument :  
BNA\_F  
ClientSampleId :  
RA-081518-FL-031MSD

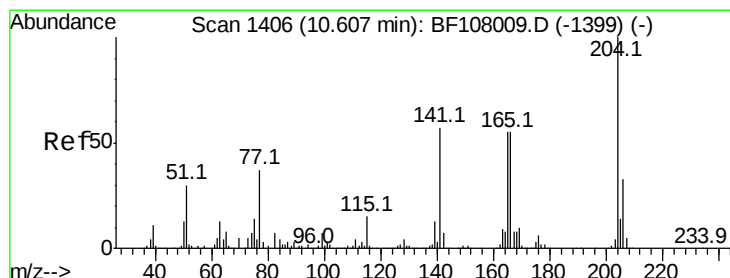
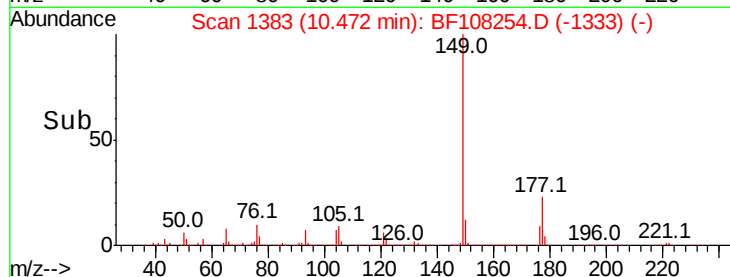
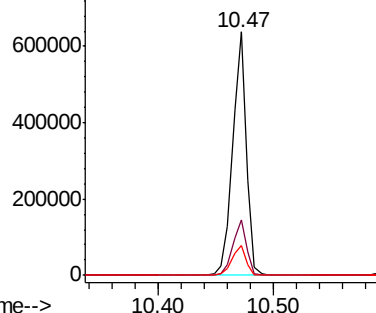
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 23.0  | 16.1  | 24.1  |
| 150     | 12.5  | 10.1  | 15.1  |

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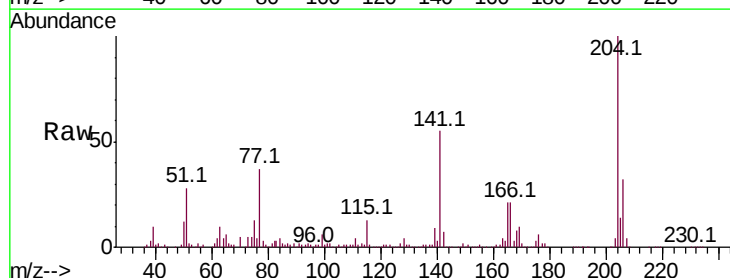


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 177.00 (176.70 to 177.70): E  
Ion 150.00 (149.70 to 150.70): E

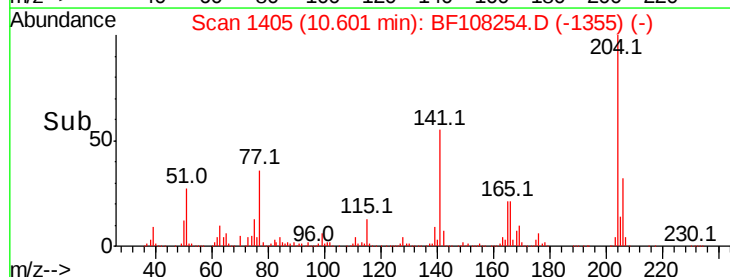
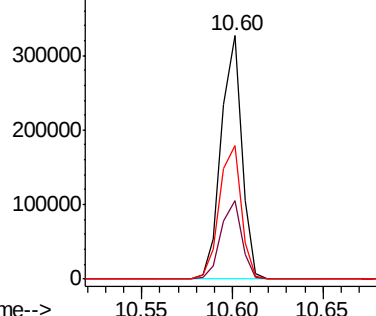


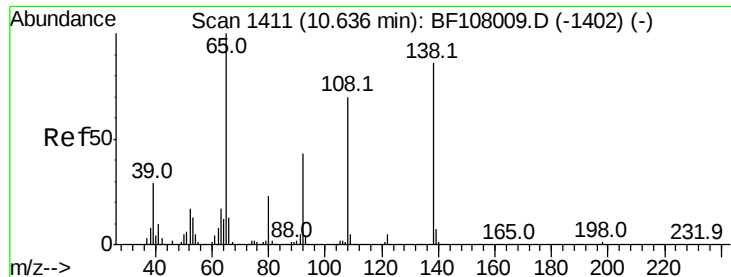
#60  
4-Chlorophenyl-phenylether  
Concen: 34.428 ng  
RT: 10.60 min Scan# 1405  
Delta R.T. -0.01 min  
Lab File: BF108254.D  
Acq: 17 Aug 2018 20:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 32.4  | 26.5  | 39.7  |
| 141     | 54.7  | 54.6  | 81.8  |



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





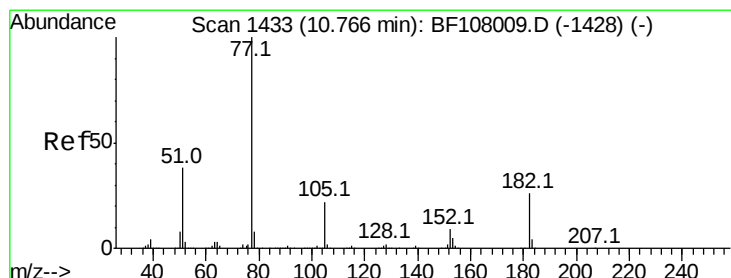
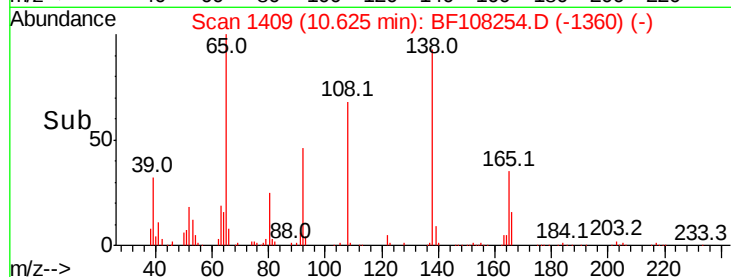
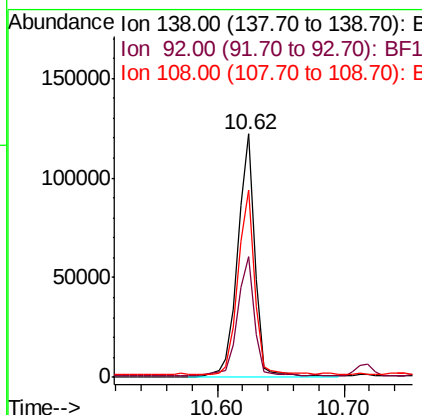
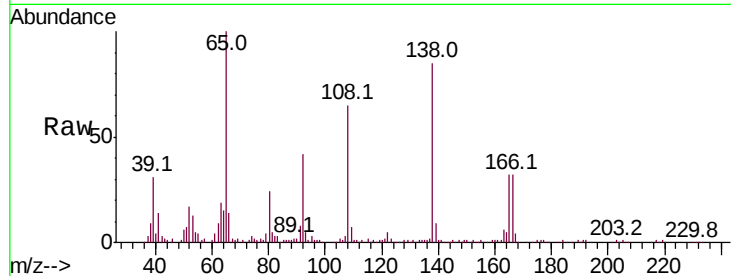
#61  
4-Nitroaniline  
Concen: 31.637 ng  
RT: 10.62 min Scan# 1409  
Delta R.T. -0.01 min  
Lab File: BF108254.D  
Acq: 17 Aug 2018 20:19

Instrument :  
BNA\_F  
ClientSampleId :  
RA-081518-FL-031MSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 138     | 100   |      |       |       |
| 92      | 49.7  | 30.2 | 70.2  |       |
| 108     | 77.2  | 52.5 | 92.5  |       |

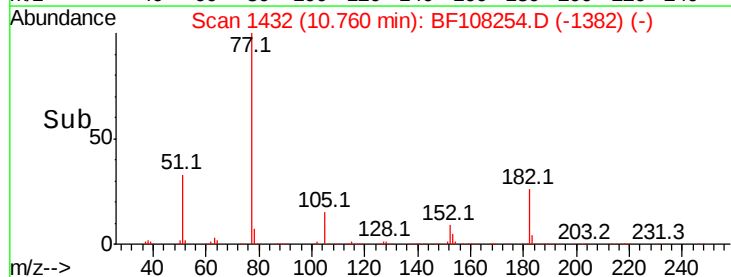
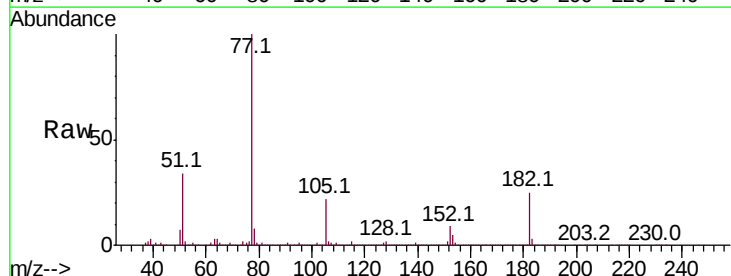
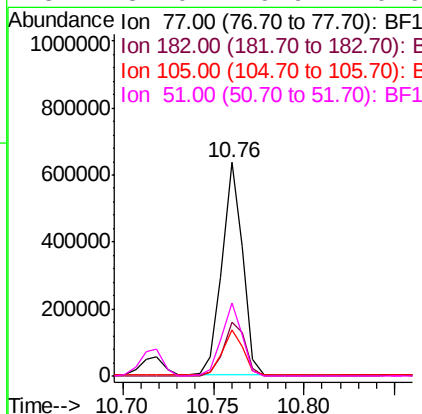
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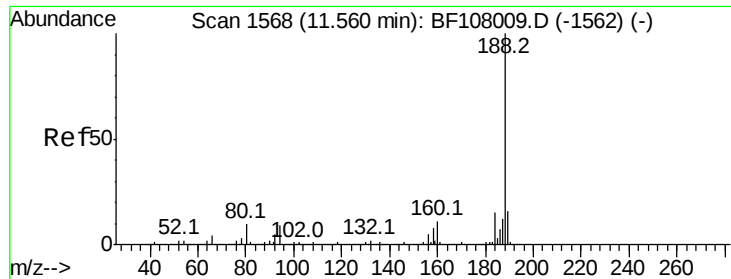
Sohil  
8/20/2018 12:48:30 PM



#62  
Azobenzene  
Concen: 32.167 ng  
RT: 10.76 min Scan# 1432  
Delta R.T. -0.01 min  
Lab File: BF108254.D  
Acq: 17 Aug 2018 20:19

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 77      | 100   |      |       |       |
| 182     | 25.2  | 1.7  | 41.7  |       |
| 105     | 21.6  | 3.0  | 43.0  |       |
| 51      | 34.0  | 9.9  | 49.9  |       |





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.56 min Scan# 1568

Delta R.T. 0.00 min

Lab File: BF108254.D

Acq: 17 Aug 2018 20:19

Instrument :

BNA\_F

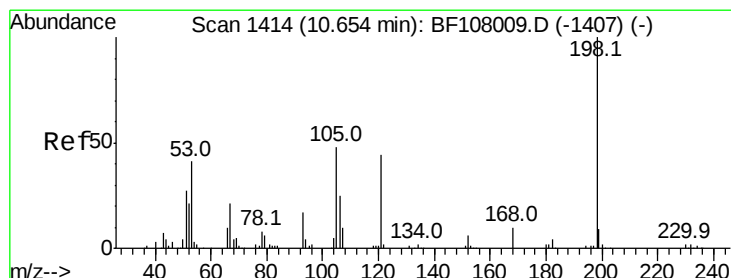
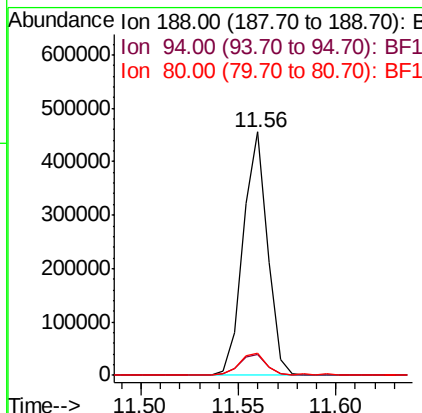
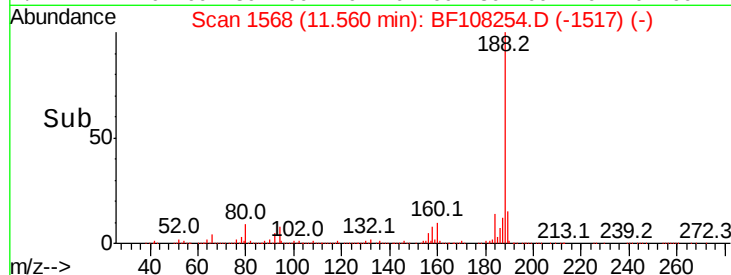
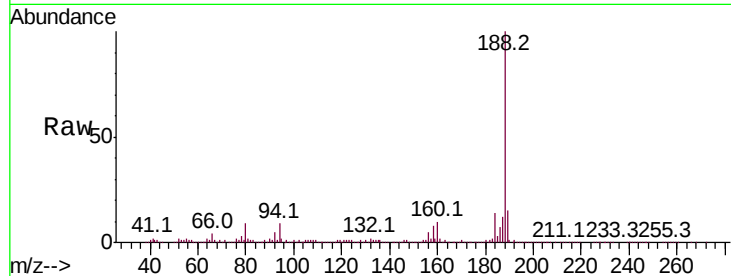
ClientSampleId :

RA-081518-FL-031MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 188   | Resp: | 391645 |
| Ion Ratio | Lower | Upper |        |
| 188       | 100   |       |        |
| 94        | 8.5   | 8.5   | 12.7   |
| 80        | 9.2   | 9.2   | 13.8   |

Manual Integrations  
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#64

4,6-Dinitro-2-methylphenol

Concen: 10.120 ng

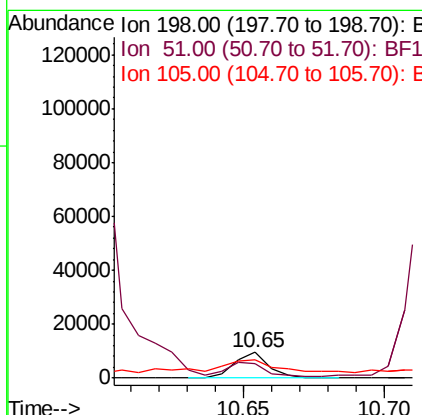
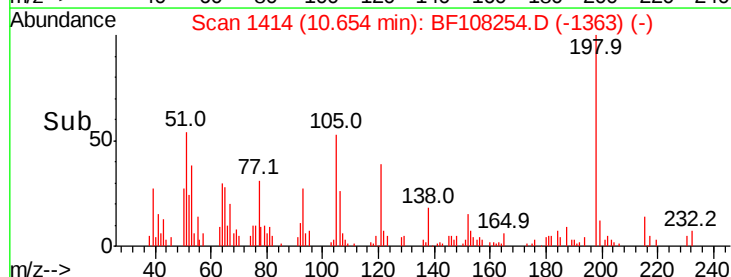
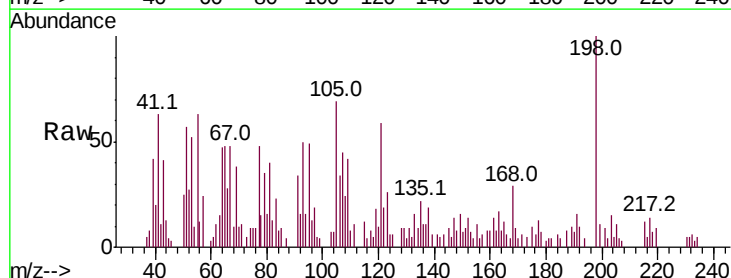
RT: 10.65 min Scan# 1414

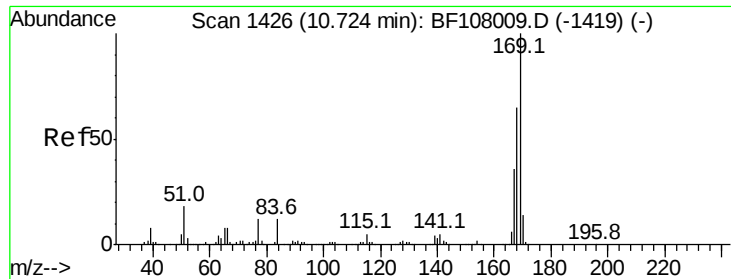
Delta R.T. 0.00 min

Lab File: BF108254.D

Acq: 17 Aug 2018 20:19

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 198   | Resp: | 7881 |
| Ion Ratio | Lower | Upper |      |
| 198       | 100   |       |      |
| 51        | 56.9  | 37.7  | 77.7 |
| 105       | 69.2  | 36.3  | 76.3 |





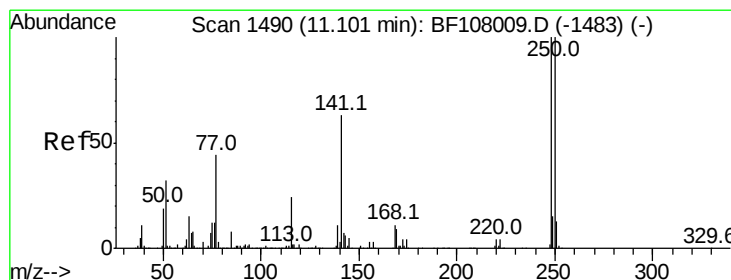
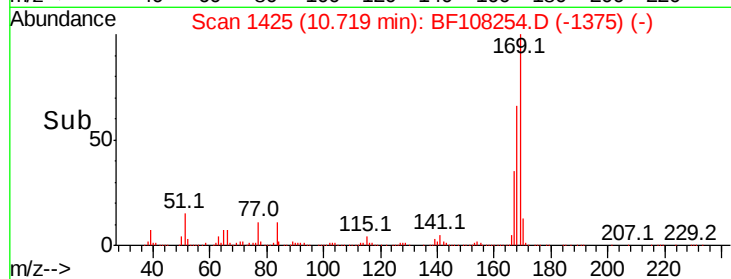
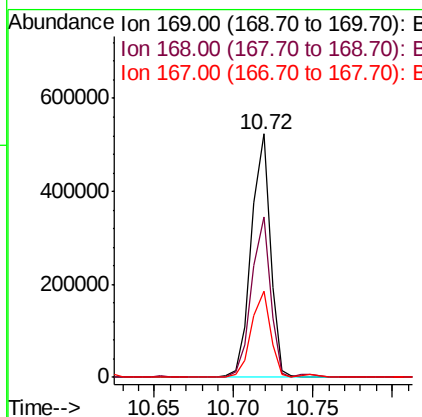
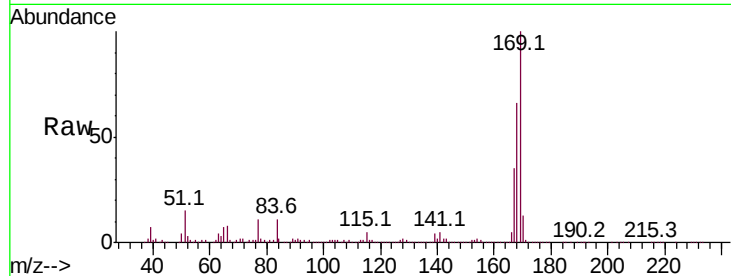
#65  
n-Nitrosodiphenylamine  
Concen: 38.136 ng  
RT: 10.72 min Scan# 1425  
Delta R.T. -0.01 min  
Lab File: BF108254.D  
Acq: 17 Aug 2018 20:19

Instrument :  
BNA\_F  
ClientSampleId :  
RA-081518-FL-031MSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 169     | 100   |      |       |       |
| 168     | 65.9  | 54.4 | 81.6  |       |
| 167     | 35.3  | 29.8 | 44.6  |       |

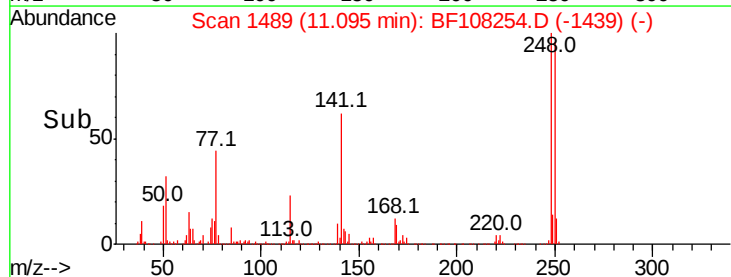
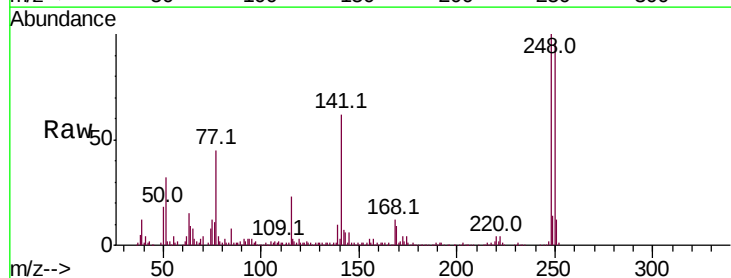
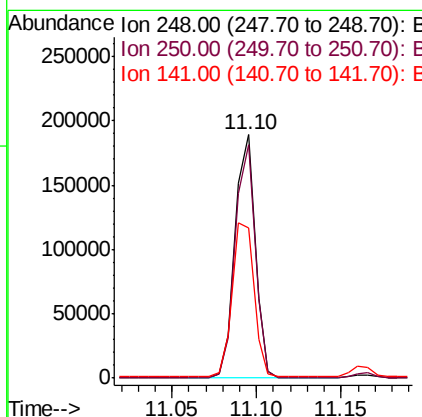
Manual Integrations  
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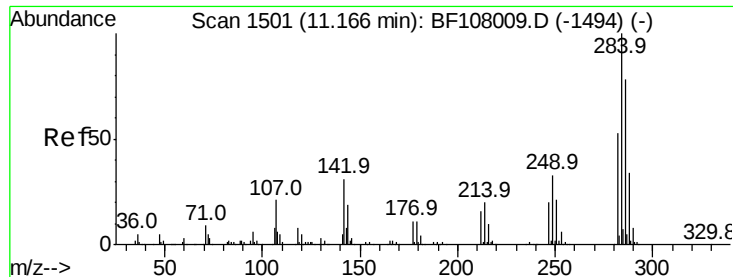
Sohil  
8/20/2018 12:48:30 PM



#66  
4-Bromophenyl-phenylether  
Concen: 37.074 ng  
RT: 11.10 min Scan# 1489  
Delta R.T. -0.01 min  
Lab File: BF108254.D  
Acq: 17 Aug 2018 20:19

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 248     | 100   |      |       |       |
| 250     | 95.9  | 76.9 | 115.3 |       |
| 141     | 61.9  | 74.4 | 111.6 |       |





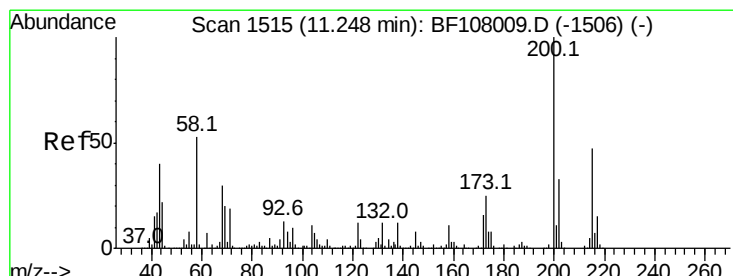
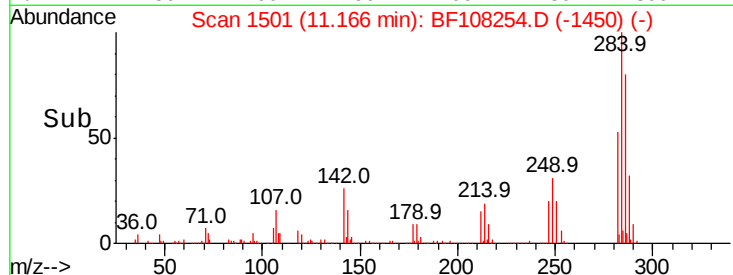
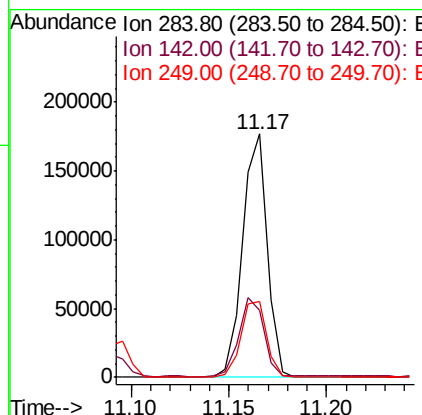
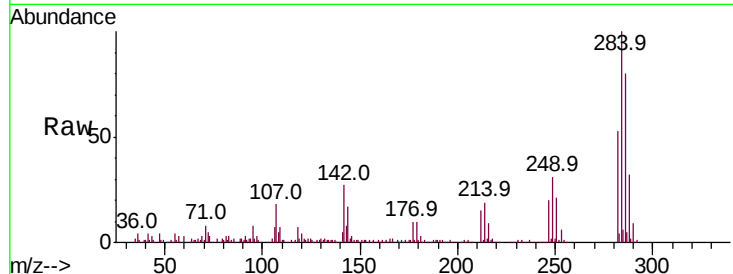
#67  
Hexachlorobenzene  
Concen: 34.574 ng  
RT: 11.17 min Scan# 1501  
Delta R.T. 0.00 min  
Lab File: BF108254.D  
Acq: 17 Aug 2018 20:19

Instrument :  
BNA\_F  
ClientSampleId :  
RA-081518-FL-031MSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 284     | 100   |      |       |       |
| 142     | 27.3  | 34.6 | 52.0  |       |
| 249     | 31.4  | 24.8 | 37.2  |       |

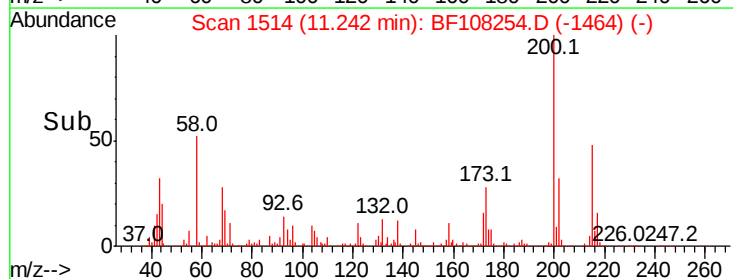
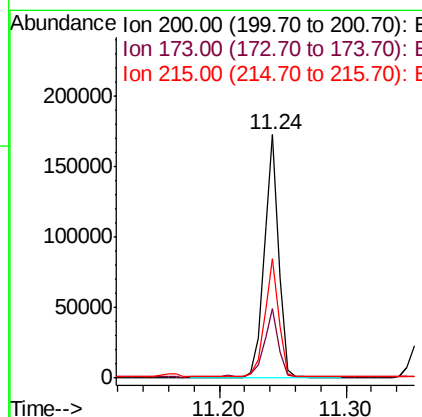
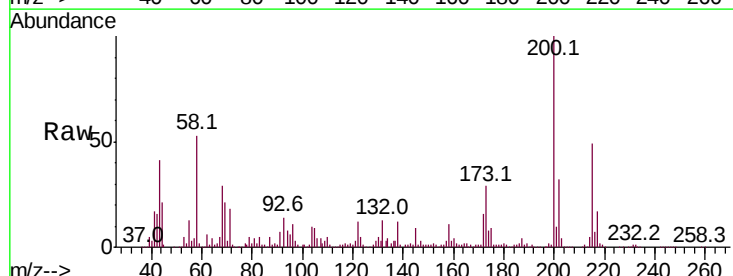
Manual Integrations  
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#68  
Atrazine  
Concen: 35.901 ng  
RT: 11.24 min Scan# 1514  
Delta R.T. -0.01 min  
Lab File: BF108254.D  
Acq: 17 Aug 2018 20:19

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 200     | 100   |      |       |       |
| 173     | 28.7  | 8.6  | 48.6  |       |
| 215     | 49.3  | 25.1 | 65.1  |       |





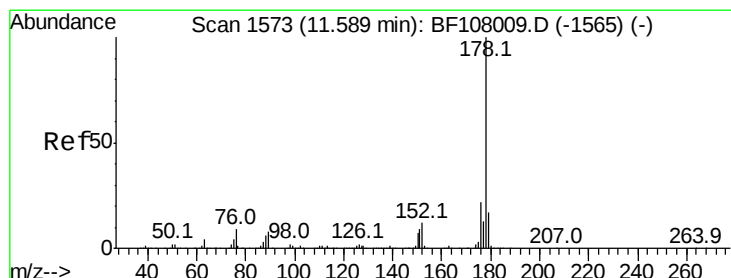
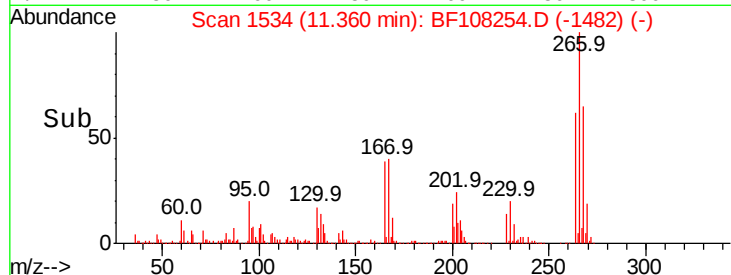
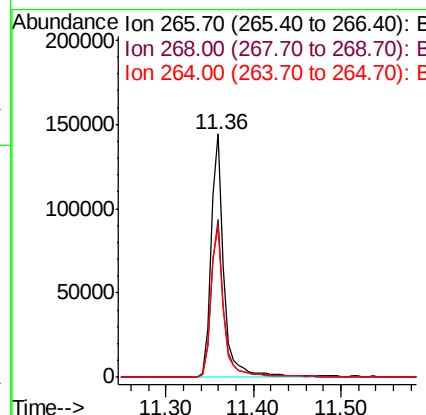
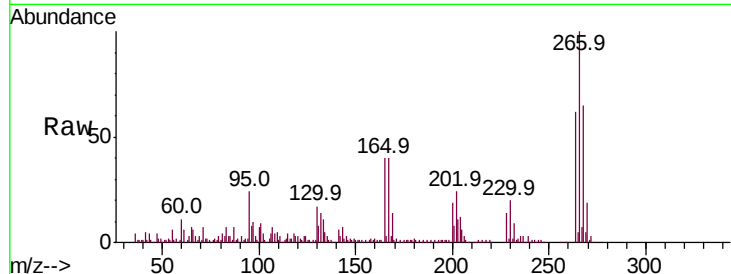
#69  
 Pentachlorophenol  
 Concen: 69.162 ng  
 RT: 11.36 min Scan# 1534  
 Delta R.T. 0.01 min  
 Lab File: BF108254.D  
 Acq: 17 Aug 2018 20:19

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RA-081518-FL-031MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 266     | 100   | 148243 |       |       |
| 268     | 64.6  | 51.1   | 76.7  |       |
| 264     | 61.7  | 49.5   | 74.3  |       |

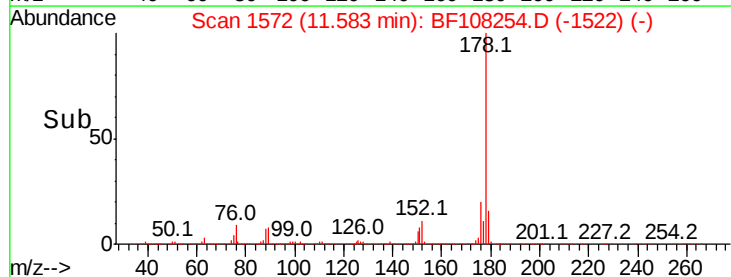
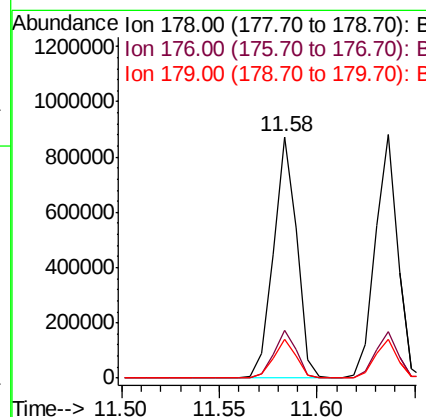
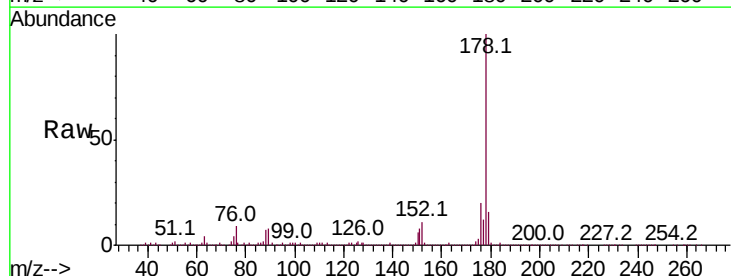
Manual Integrations  
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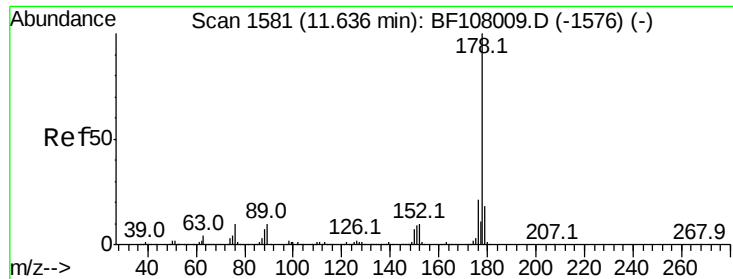
Sohil  
 8/20/2018 12:48:30 PM



#70  
 Phenanthrene  
 Concen: 38.805 ng  
 RT: 11.58 min Scan# 1572  
 Delta R.T. -0.01 min  
 Lab File: BF108254.D  
 Acq: 17 Aug 2018 20:19

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 178     | 100   | 716821 |       |       |
| 176     | 19.9  | 15.8   | 23.8  |       |
| 179     | 15.8  | 13.0   | 19.6  |       |





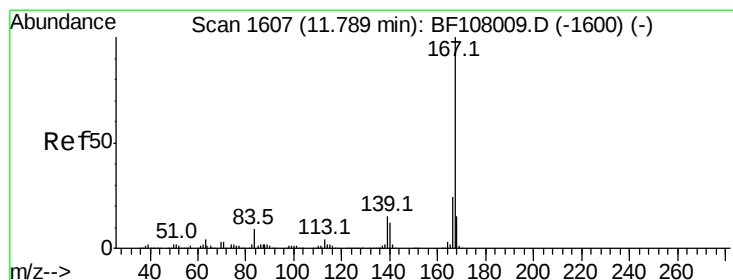
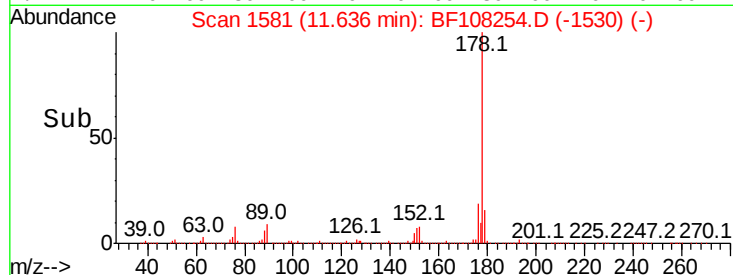
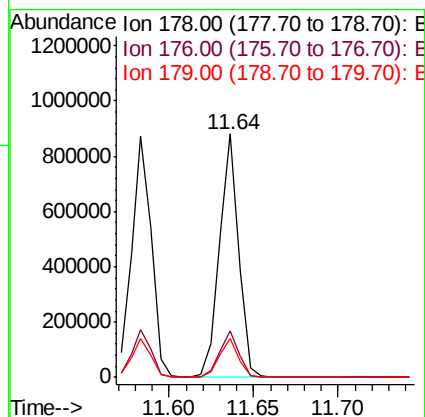
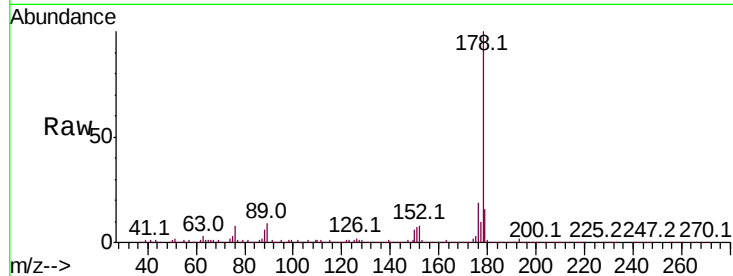
#71  
 Anthracene  
 Concen: 37.018 ng  
 RT: 11.64 min Scan# 1581  
 Delta R.T. 0.00 min  
 Lab File: BF108254.D  
 Acq: 17 Aug 2018 20:19

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RA-081518-FL-031MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.3  | 15.4  | 23.2  |
| 179     | 15.7  | 12.6  | 19.0  |

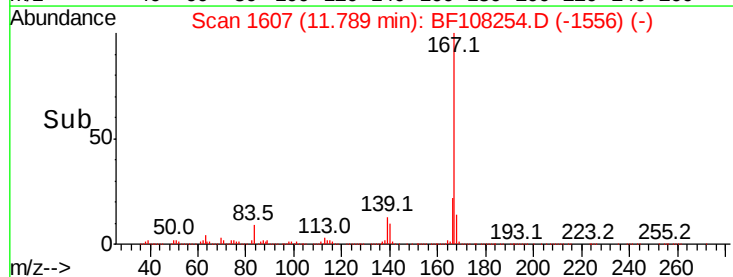
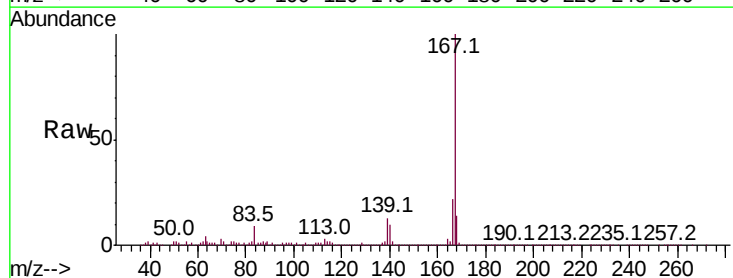
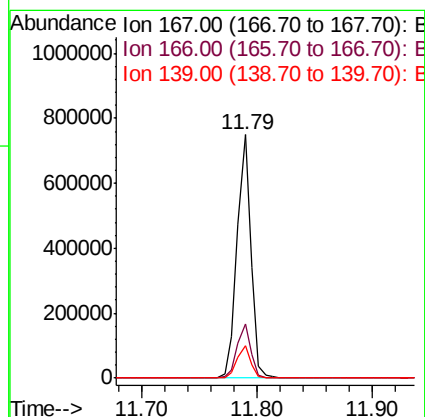
Manual Integrations  
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#72  
 Carbazole  
 Concen: 37.049 ng  
 RT: 11.79 min Scan# 1607  
 Delta R.T. 0.00 min  
 Lab File: BF108254.D  
 Acq: 17 Aug 2018 20:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 22.3  | 17.6  | 26.4  |
| 139     | 13.1  | 10.9  | 16.3  |





#73

Di-n-butylphthalate

Concen: 39.408 ng

RT: 12.11 min Scan# 1661

Delta R.T. -0.01 min

Lab File: BF108254.D

Acq: 17 Aug 2018 20:19

Instrument :

BNA\_F

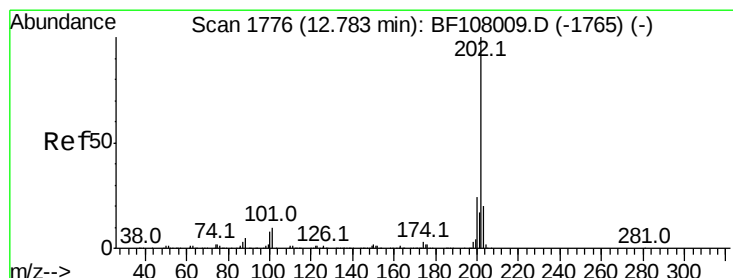
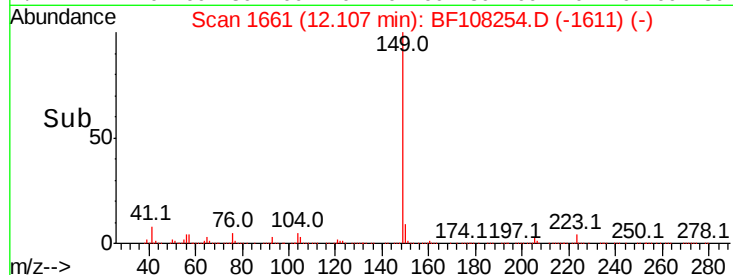
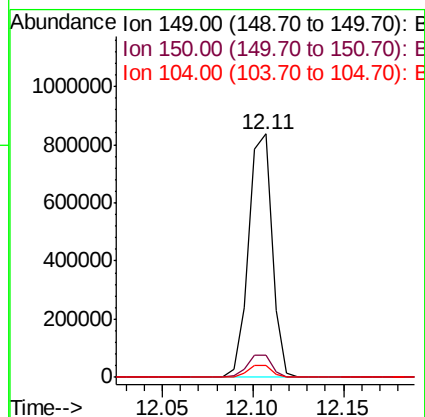
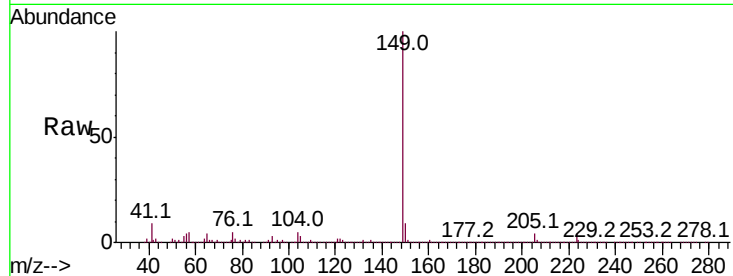
ClientSampleId :

RA-081518-FL-031MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 149   | Resp: | 750858 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 150       | 9.1   | 7.8   | 11.6   |
| 104       | 4.8   | 3.8   | 5.8    |

Manual Integrations  
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#74

Fluoranthene

Concen: 41.120 ng

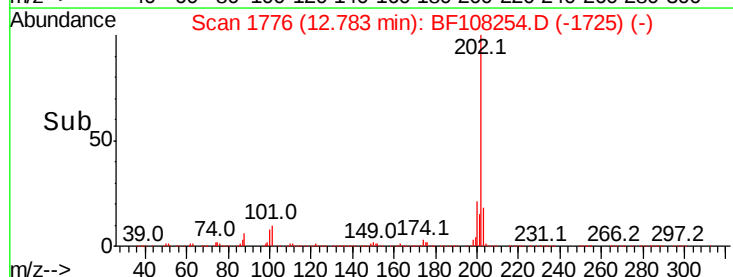
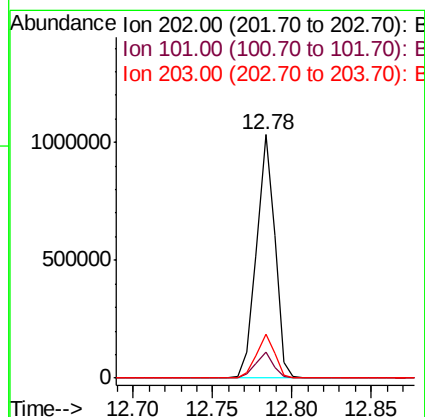
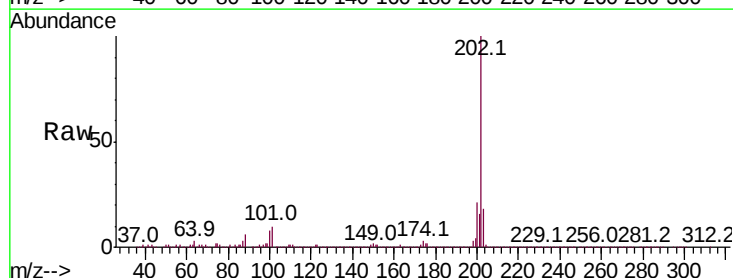
RT: 12.78 min Scan# 1776

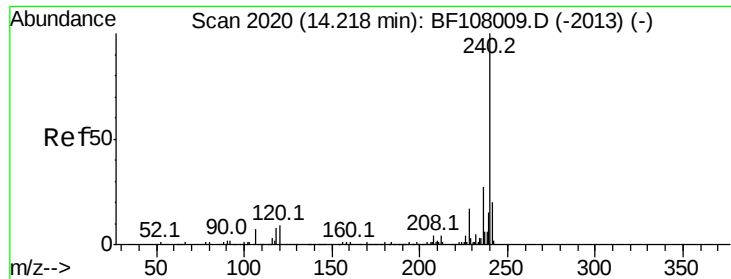
Delta R.T. 0.00 min

Lab File: BF108254.D

Acq: 17 Aug 2018 20:19

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 829001 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 10.4  | 0.0   | 34.1   |
| 203       | 17.8  | 0.0   | 38.1   |





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.22 min Scan# 2020

Delta R.T. 0.00 min

Lab File: BF108254.D

Acq: 17 Aug 2018 20:19

Instrument :

BNA\_F

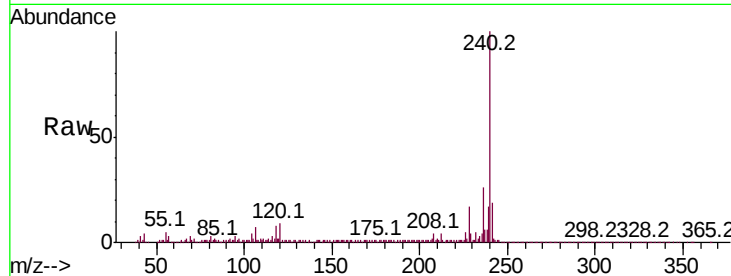
ClientSampleId :

RA-081518-FL-031MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 8.7   | 9.5   | 14.3# |
| 236     | 25.8  | 20.7  | 31.1  |

Manual Integrations  
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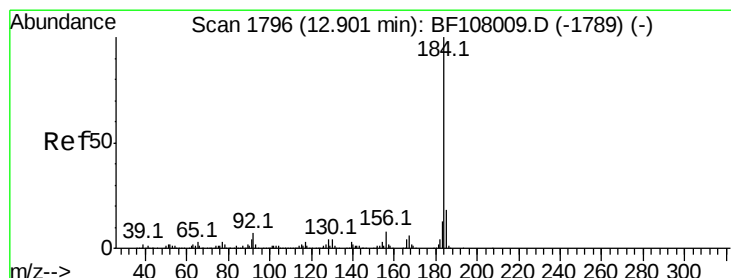
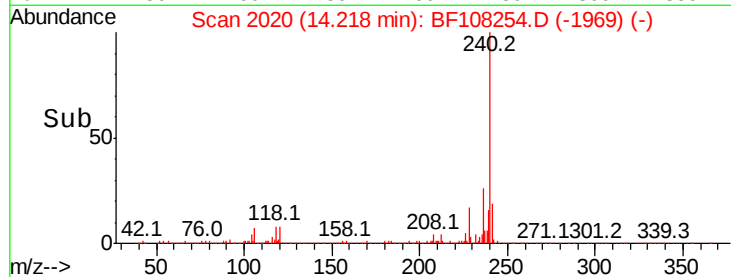
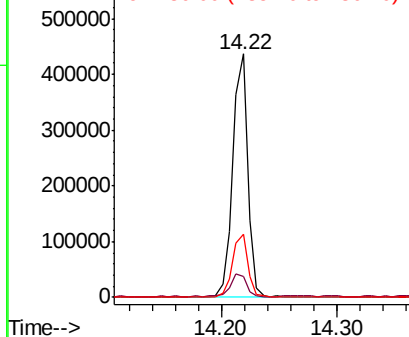


Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 7.436 ng

RT: 12.90 min Scan# 1795

Delta R.T. -0.01 min

Lab File: BF108254.D

Acq: 17 Aug 2018 20:19

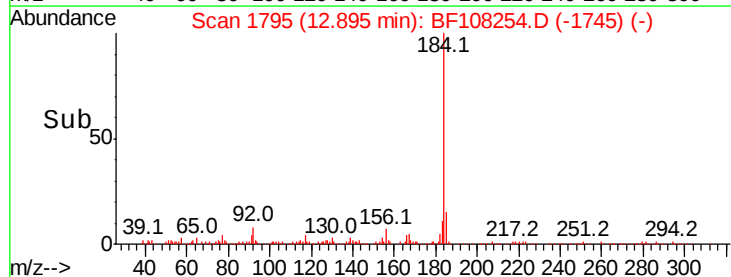
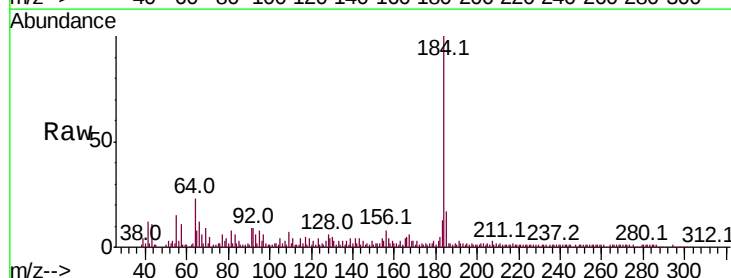
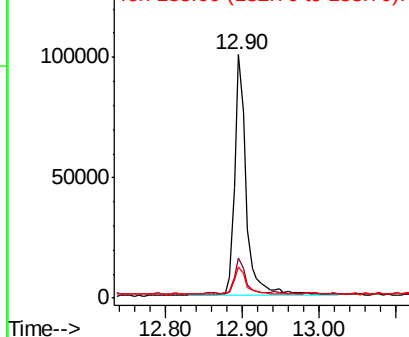
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 185     | 16.7  | 12.6  | 18.8  |
| 183     | 12.7  | 9.3   | 13.9  |

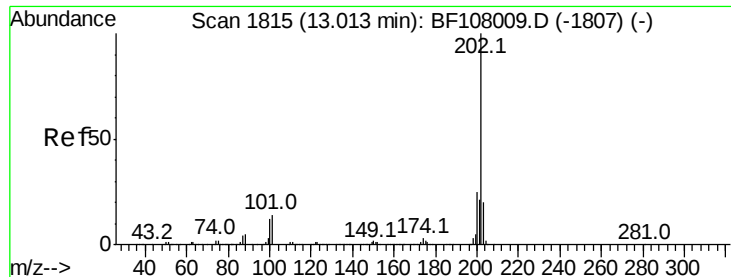
Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 34.621 ng

RT: 13.01 min Scan# 1815

Delta R.T. 0.00 min

Lab File: BF108254.D

Acq: 17 Aug 2018 20:19

Instrument :

BNA\_F

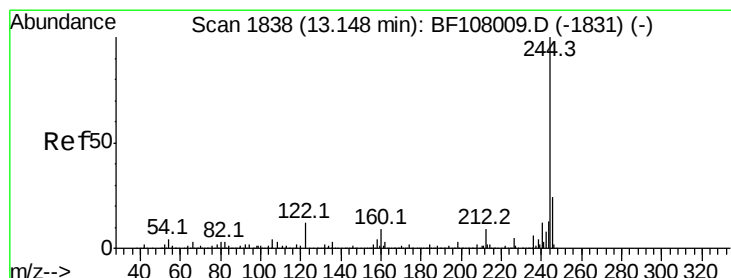
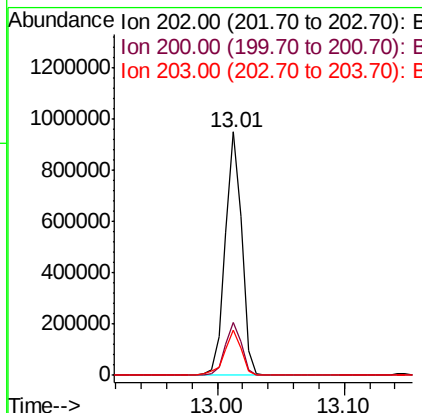
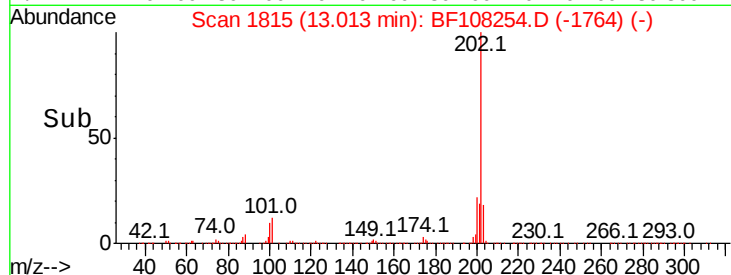
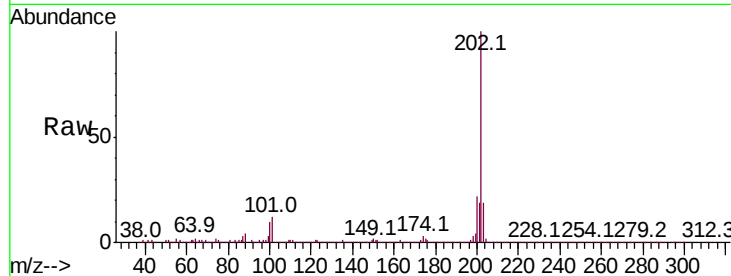
ClientSampleId :

RA-081518-FL-031MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 202   | Resp: | 855363 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 200       | 21.8  | 17.4  | 26.2   |
| 203       | 18.6  | 14.3  | 21.5   |

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#78

Terphenyl-d14

Concen: 65.269 ng

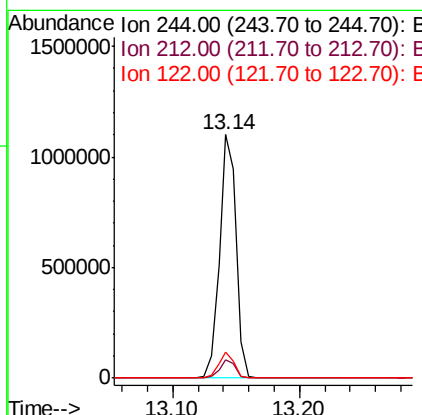
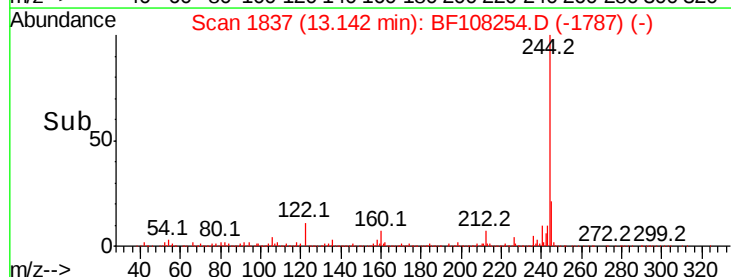
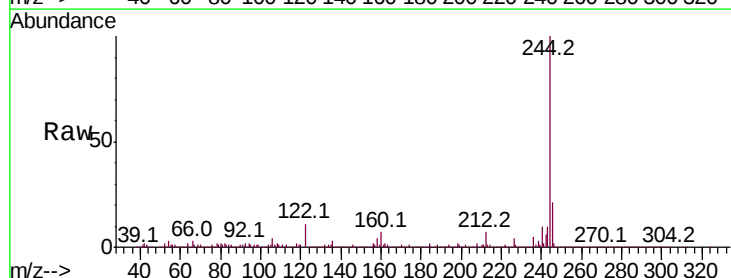
RT: 13.14 min Scan# 1837

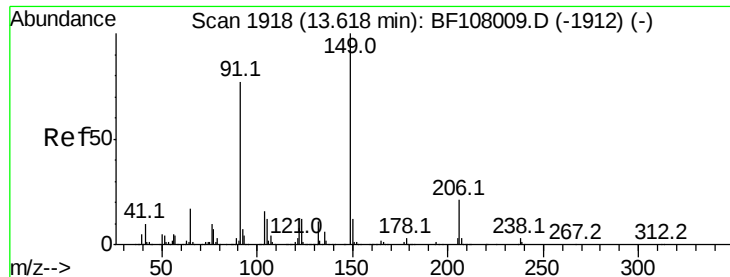
Delta R.T. -0.01 min

Lab File: BF108254.D

Acq: 17 Aug 2018 20:19

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 244   | Resp: | 1001771 |
| Ion Ratio | Lower | Upper |         |
| 244       | 100   |       |         |
| 212       | 7.3   | 5.4   | 8.0     |
| 122       | 10.7  | 11.0  | 16.4    |





#79

Butylbenzylphthalate

Concen: 35.220 ng

RT: 13.61 min Scan# 1917

Delta R.T. -0.01 min

Lab File: BF108254.D

Acq: 17 Aug 2018 20:19

Instrument :

BNA\_F

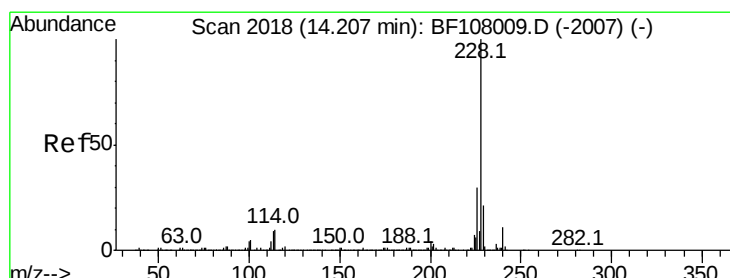
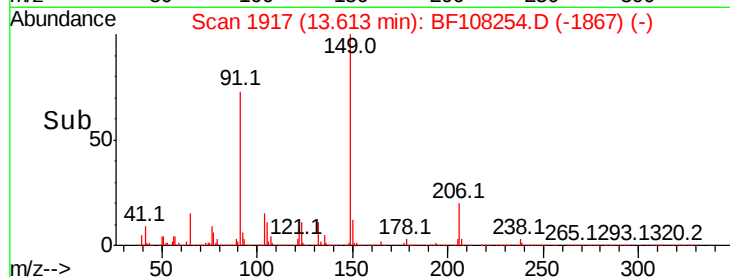
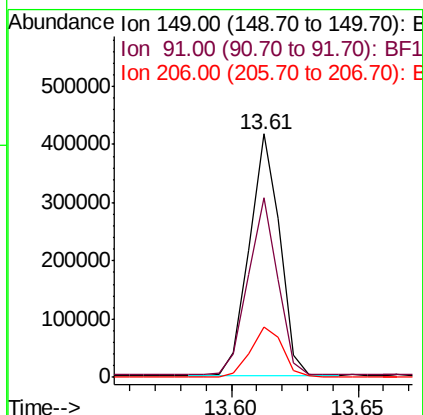
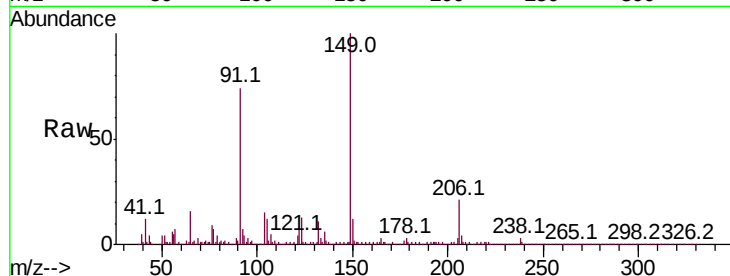
ClientSampleId :

RA-081518-FL-031MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 149   | Resp: | 345529 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 91        | 73.6  | 56.8  | 85.2   |
| 206       | 20.6  | 14.1  | 21.1   |

Manual Integrations  
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#80

Benzo(a)anthracene

Concen: 36.869 ng

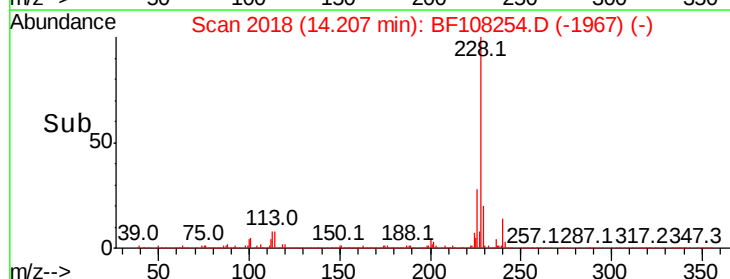
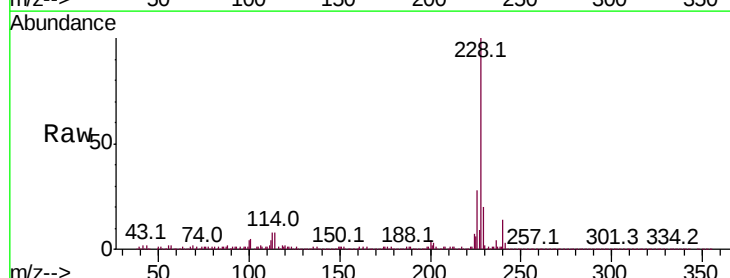
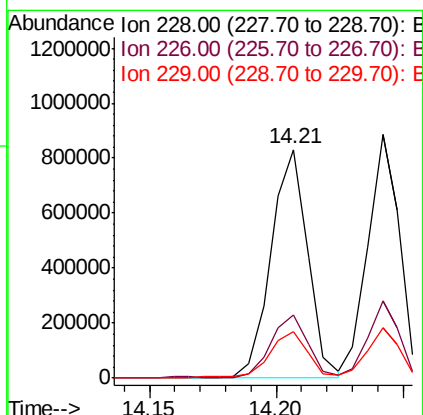
RT: 14.21 min Scan# 2018

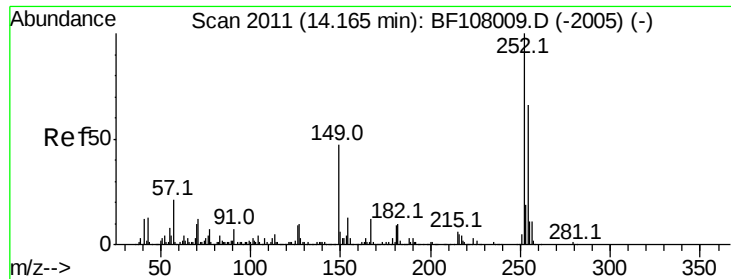
Delta R.T. 0.00 min

Lab File: BF108254.D

Acq: 17 Aug 2018 20:19

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 228   | Resp: | 825725 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 226       | 27.8  | 22.6  | 33.8   |
| 229       | 20.4  | 15.8  | 23.6   |





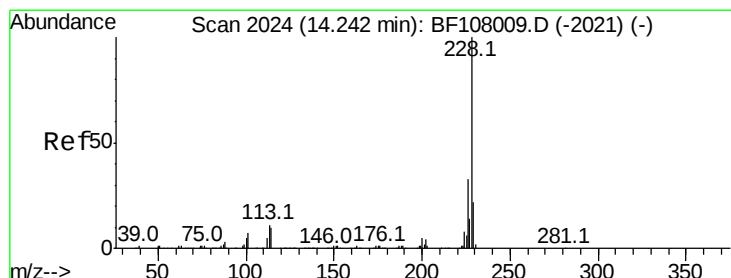
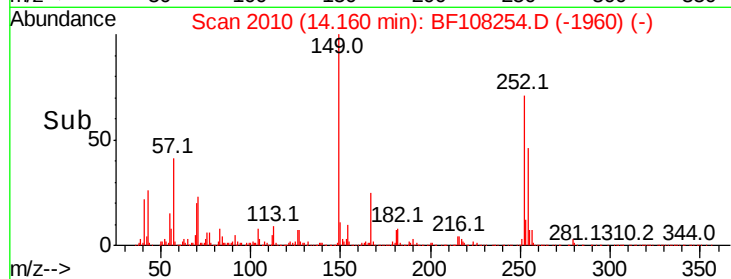
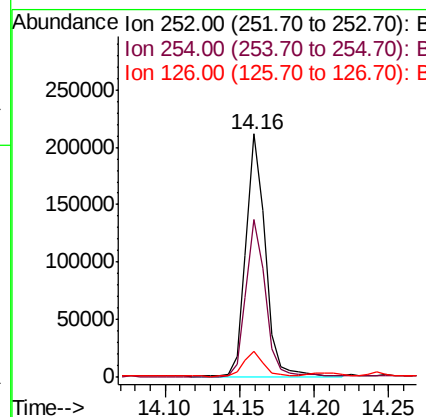
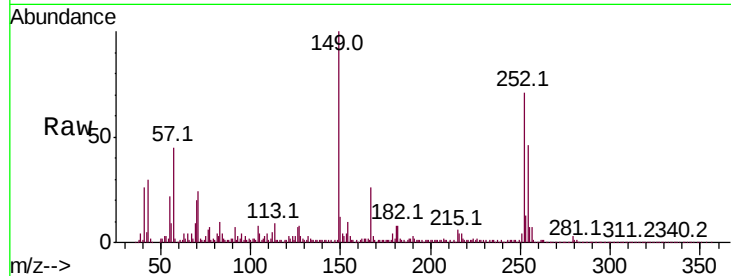
#81  
 3,3'-Dichlorobenzidine  
 Concen: 23.758 ng  
 RT: 14.16 min Scan# 2010  
 Delta R.T. -0.01 min  
 Lab File: BF108254.D  
 Acq: 17 Aug 2018 20:19

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RA-081518-FL-031MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 64.7  | 50.4  | 75.6  |
| 126     | 10.5  | 11.3  | 16.9  |

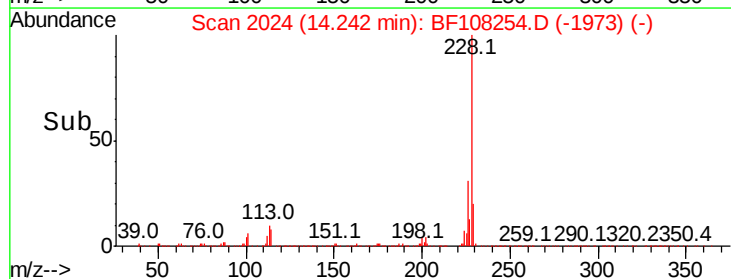
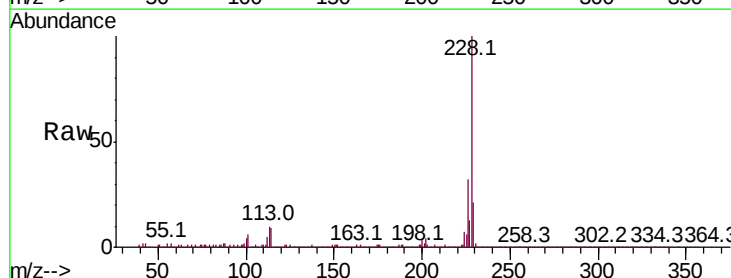
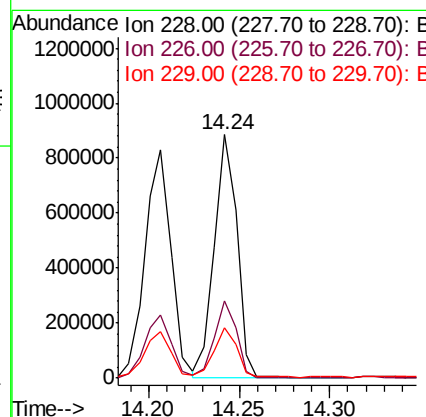
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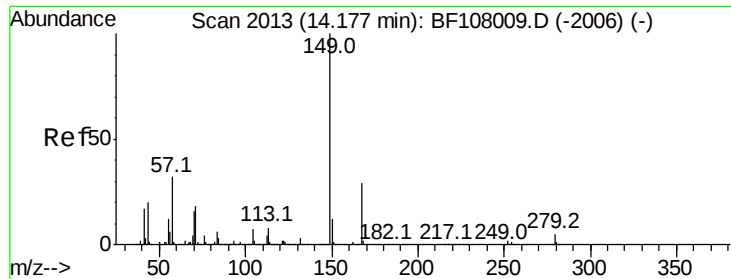
Sohil  
 8/20/2018 12:48:30 PM



#82  
 Chrysene  
 Concen: 37.407 ng  
 RT: 14.24 min Scan# 2024  
 Delta R.T. 0.00 min  
 Lab File: BF108254.D  
 Acq: 17 Aug 2018 20:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 31.7  | 25.0  | 37.6  |
| 229     | 20.7  | 16.2  | 24.4  |





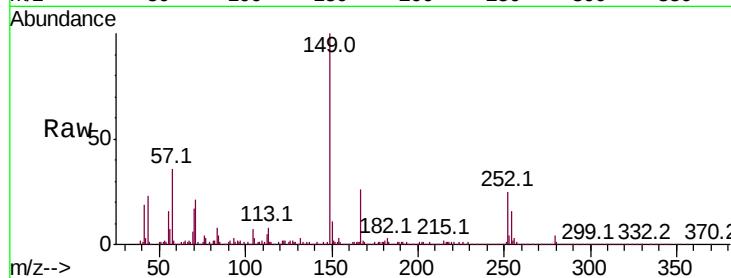
#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 36.464 ng  
 RT: 14.17 min Scan# 2011  
 Delta R.T. -0.01 min  
 Lab File: BF108254.D  
 Acq: 17 Aug 2018 20:19

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RA-081518-FL-031MSD

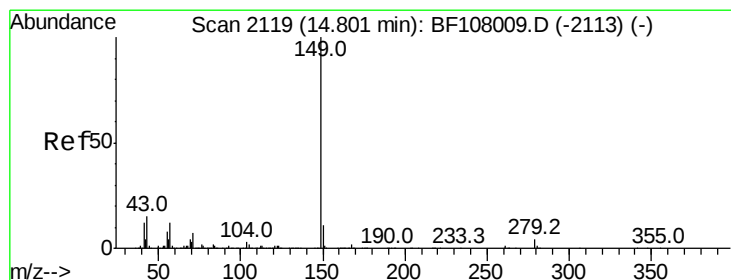
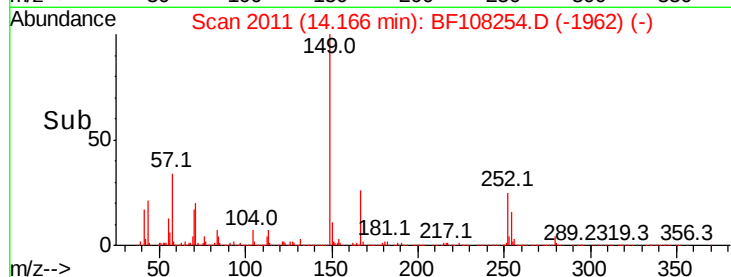
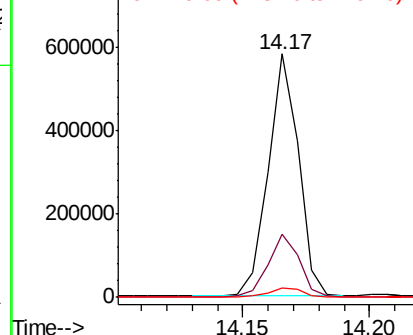
| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 149     | 100   |      |       |       |
| 167     | 26.0  | 21.3 | 31.9  |       |
| 279     | 3.9   | 3.0  | 4.4   |       |

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 8/20/2018 12:48:30 PM

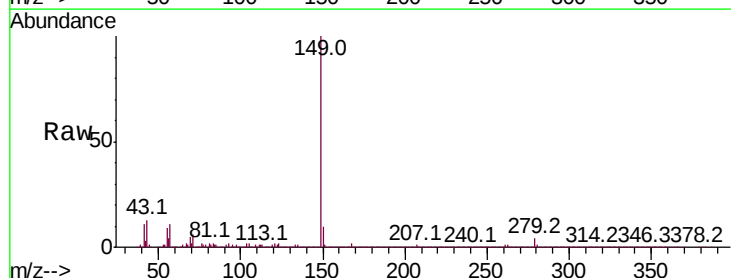


Abundance Ion 149.00 (148.70 to 149.70): E  
 800000  
 Ion 167.00 (166.70 to 167.70): E  
 Ion 279.00 (278.70 to 279.70): E

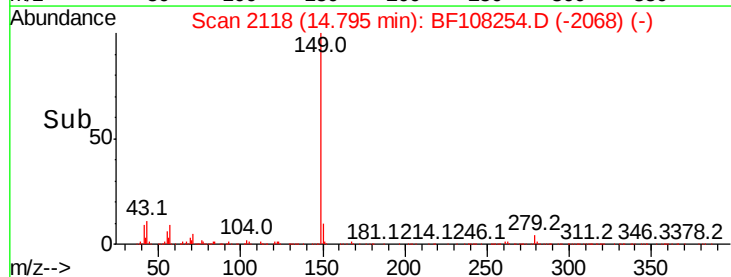
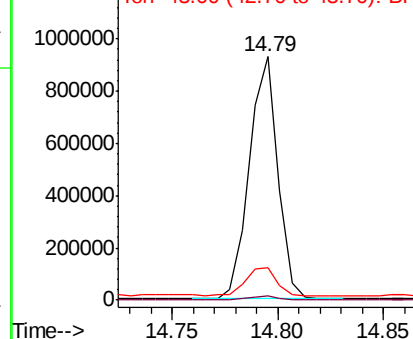


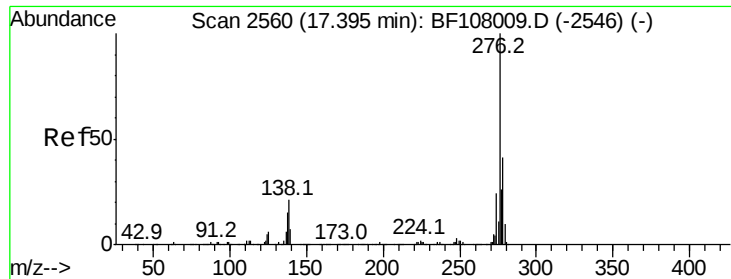
#84  
 Di-n-octyl phthalate  
 Concen: 42.860 ng  
 RT: 14.79 min Scan# 2118  
 Delta R.T. -0.01 min  
 Lab File: BF108254.D  
 Acq: 17 Aug 2018 20:19

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 149     | 100   |      |       |       |
| 167     | 1.5   | 1.2  | 1.8   |       |
| 43      | 12.2  | 8.4  | 12.6  |       |



Abundance Ion 149.00 (148.70 to 149.70): E  
 1200000  
 Ion 167.00 (166.70 to 167.70): E  
 Ion 43.00 (42.70 to 43.70): BF1





#85

Indeno(1,2,3-cd)pyrene

Concen: 26.091 ng

RT: 17.41 min Scan# 2562

Delta R.T. 0.01 min

Lab File: BF108254.D

Acq: 17 Aug 2018 20:19

Instrument :

BNA\_F

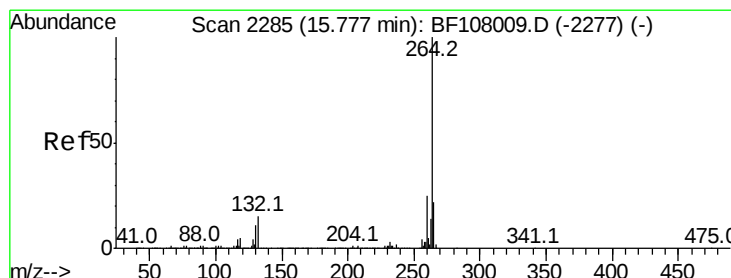
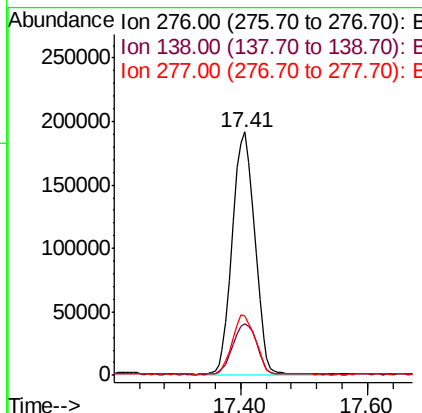
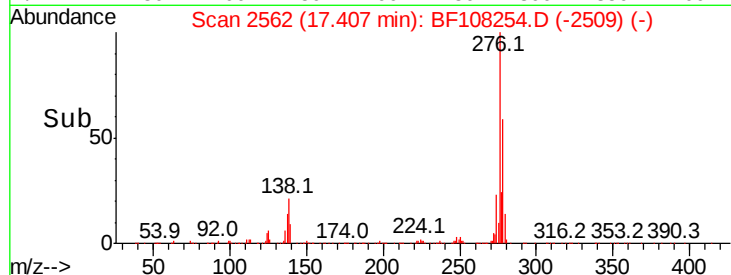
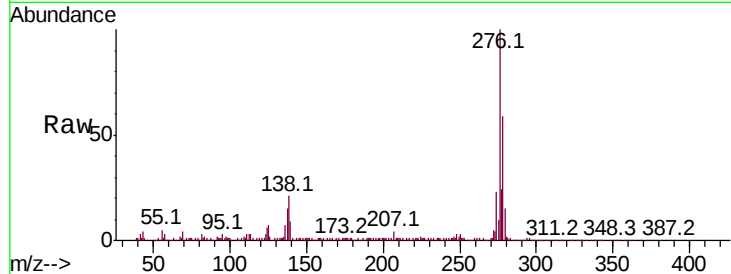
ClientSampleId :

RA-081518-FL-031MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 276   | Resp: | 464176 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 138       | 22.3  | 25.0  | 37.6#  |
| 277       | 25.0  | 20.1  | 30.1   |

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8/20/2018 12:48:30 PM



#86

Perylene-d12

Concen: 20.000 ng

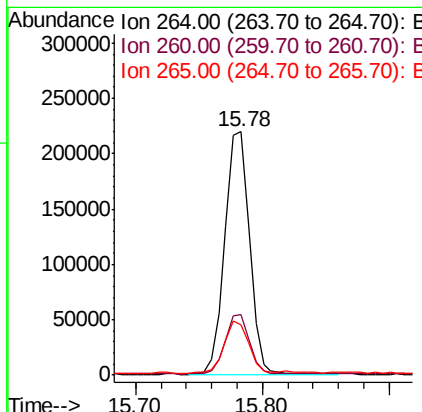
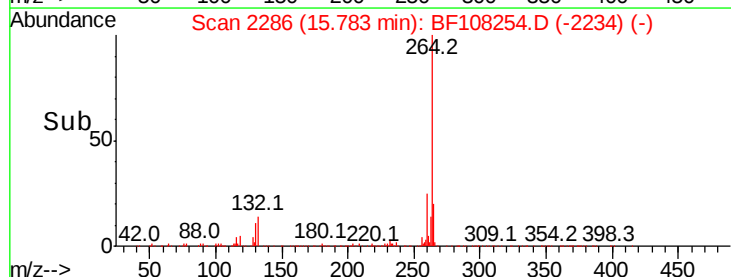
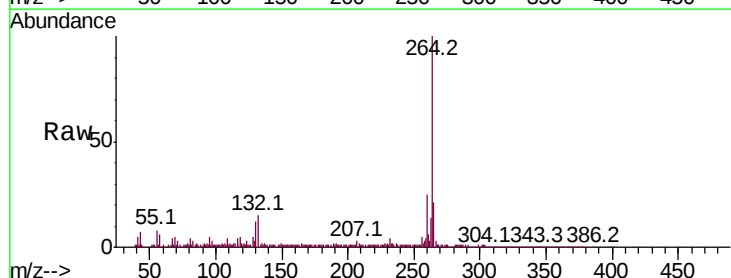
RT: 15.78 min Scan# 2286

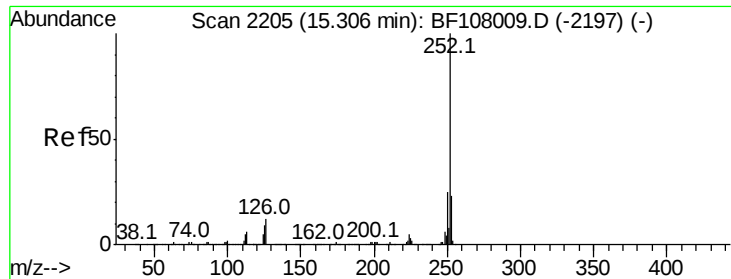
Delta R.T. 0.01 min

Lab File: BF108254.D

Acq: 17 Aug 2018 20:19

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 264   | Resp: | 297655 |
| Ion Ratio | Lower | Upper |        |
| 264       | 100   |       |        |
| 260       | 25.1  | 19.2  | 28.8   |
| 265       | 20.9  | 17.5  | 26.3   |





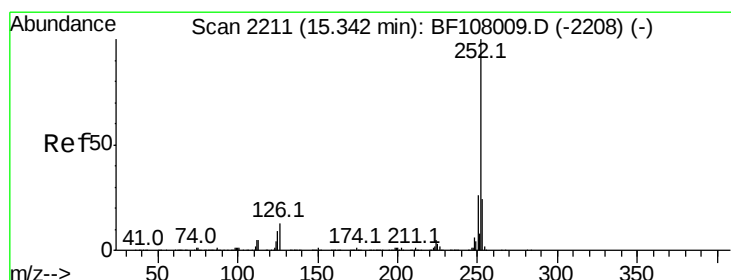
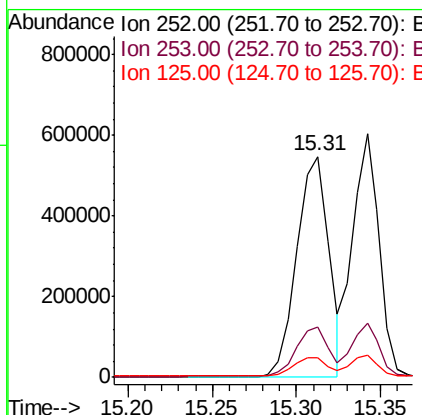
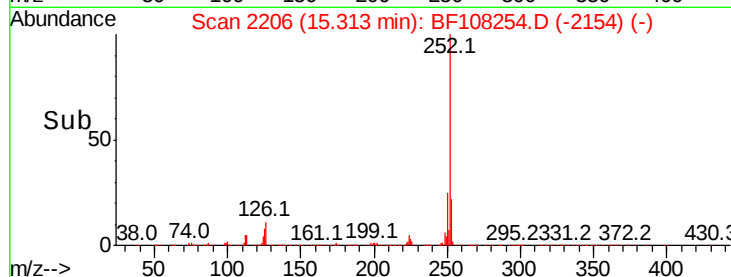
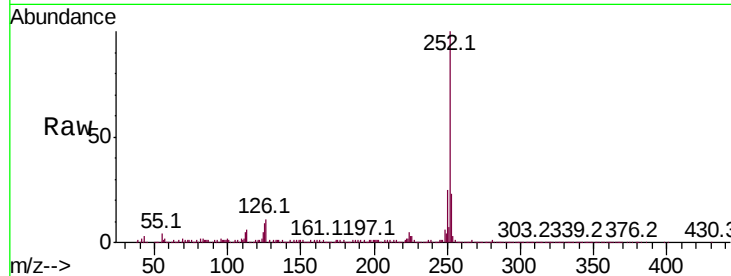
#87  
Benzo(b)fluoranthene  
Concen: 40.978 ng/mL  
RT: 15.31 min Scan# 2206  
Delta R.T. 0.01 min  
Lab File: BF108254.D  
Acq: 17 Aug 2018 20:19

Instrument :  
BNA\_F  
ClientSampleId :  
RA-081518-FL-031MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.6  | 17.0  | 25.6  |
| 125     | 8.6   | 9.0   | 13.6  |

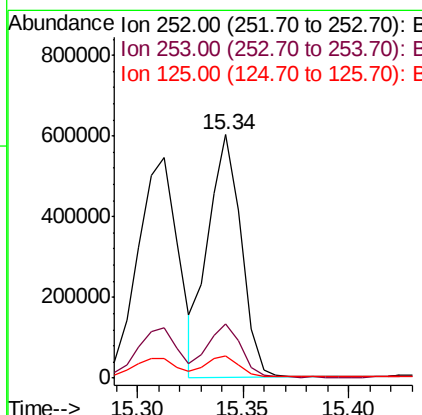
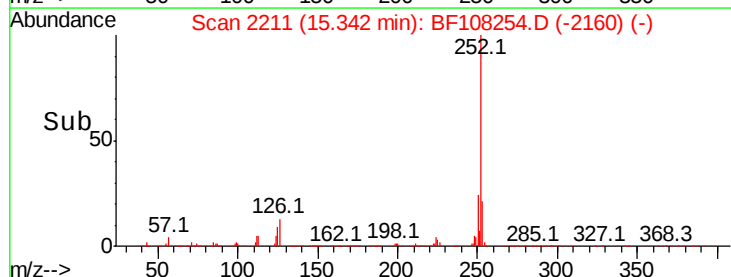
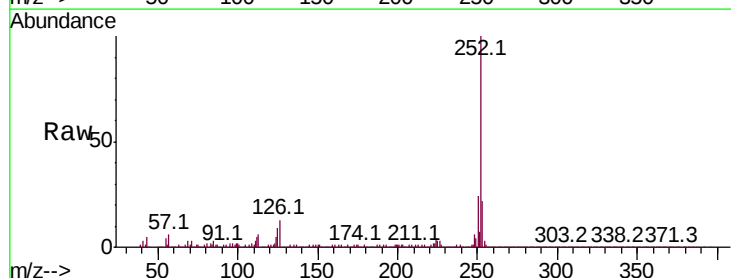
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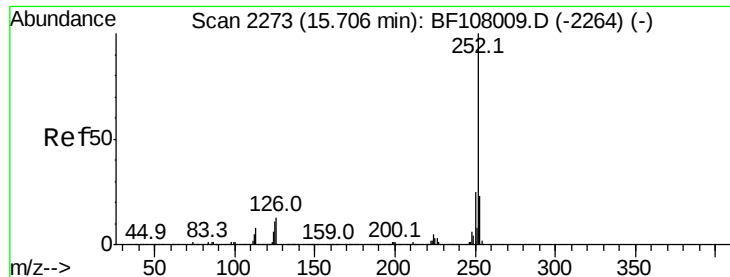
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8/20/2018 12:48:30 PM



#88  
Benzo(k)fluoranthene  
Concen: 39.866 ng/mL  
RT: 15.34 min Scan# 2211  
Delta R.T. 0.00 min  
Lab File: BF108254.D  
Acq: 17 Aug 2018 20:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.4  | 17.9  | 26.9  |
| 125     | 9.2   | 10.2  | 15.2  |





#89

Benzo(a)pyrene

Concen: 37.050 ng

RT: 15.71 min Scan# 2274

Delta R.T. 0.01 min

Lab File: BF108254.D

Acq: 17 Aug 2018 20:19

Instrument :

BNA\_F

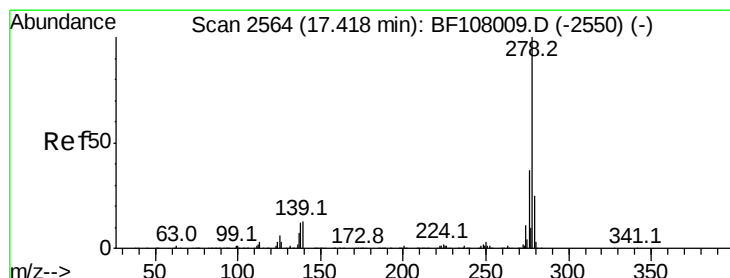
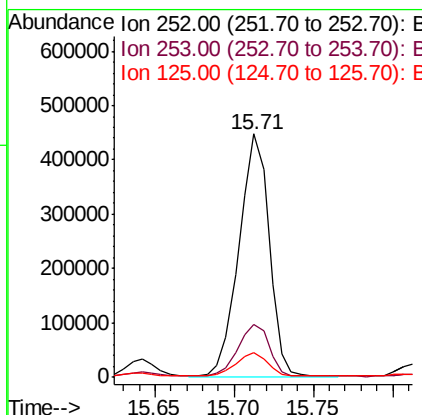
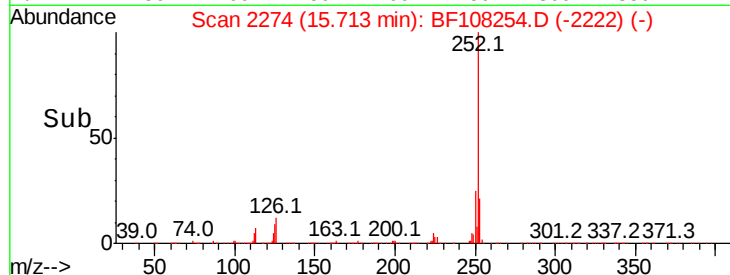
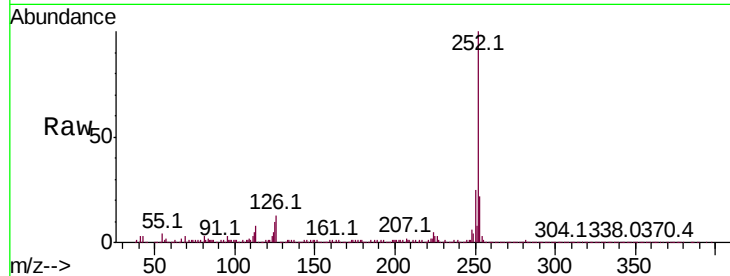
ClientSampleId :

RA-081518-FL-031MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 252   | Resp: | 590100 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 21.8  | 17.1  | 25.7   |
| 125       | 10.0  | 9.8   | 14.6   |

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8/20/2018 12:48:30 PM



#90

Dibenzo(a,h)anthracene

Concen: 28.942 ng

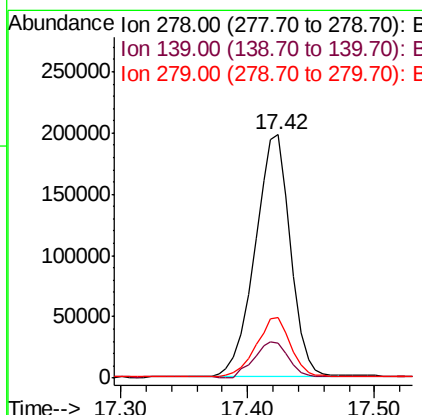
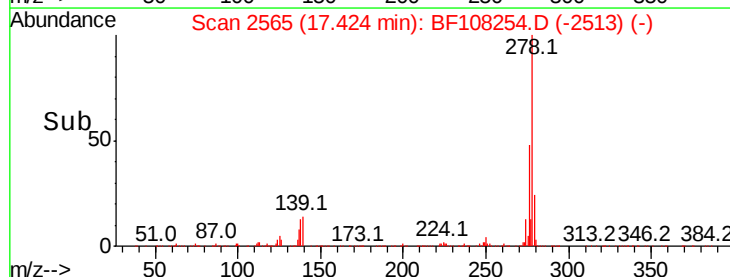
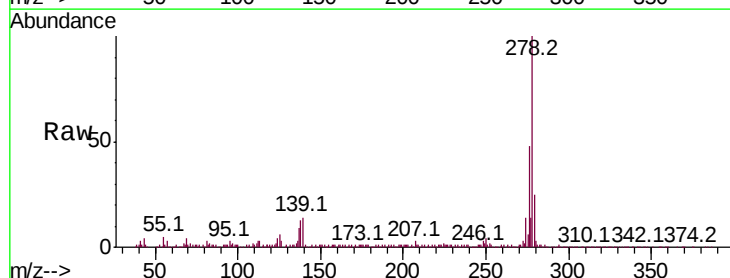
RT: 17.42 min Scan# 2565

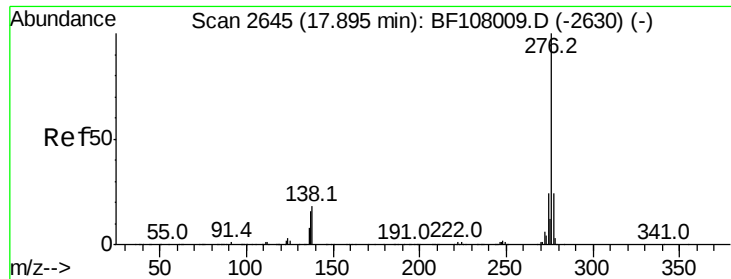
Delta R.T. 0.01 min

Lab File: BF108254.D

Acq: 17 Aug 2018 20:19

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 278   | Resp: | 381398 |
| Ion Ratio | Lower | Upper |        |
| 278       | 100   |       |        |
| 139       | 14.4  | 15.9  | 23.9#  |
| 279       | 24.8  | 19.0  | 28.4   |





#91  
 Benzo(a,h,i)perylene  
 Concen: 29.419 ng  
 RT: 17.90 min Scan# 2646  
 Delta R.T. 0.01 min  
 Lab File: BF108254.D  
 Acq: 17 Aug 2018 20:19

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RA-081518-FL-031MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 24.7  | 17.9  | 26.9  |
| 138     | 19.5  | 21.8  | 32.8# |

Manual Integrations  
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