

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091918\  
 Data File : BF109173.D  
 Acq On : 20 Sep 2018 4:38  
 Operator : JU/SJ  
 Sample : PB112951BS  
 Misc :  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB112951BS

Manual Integrations  
 APPROVED

Sohil  
 9/20/2018 10:06:53 AM

Quant Time: Sep 20 08:36:34 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 14 13:26:52 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.72  | 152  | 137763   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.00  | 136  | 505466   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.75  | 164  | 222290   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.23 | 188  | 373557   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 13.85 | 240  | 304287   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.25 | 264  | 307539   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |       |    |      |
|--------------------------|-------|-----|---------|-------|----|------|
| 5) 2-Fluorophenol        | 5.34  | 112 | 715097  | 86.21 | ng | 0.02 |
| 7) Phenol-d6             | 6.36  | 99  | 908672  | 84.96 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 7.28  | 82  | 822231  | 91.24 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.54 | 330 | 178172  | 73.86 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 9.08  | 172 | 1404672 | 99.00 | ng | 0.00 |
| 78) Terphenyl-d14        | 12.81 | 244 | 1197366 | 93.27 | ng | 0.00 |

## Target Compounds

|                                |      |     |         |        |    | Qvalue |
|--------------------------------|------|-----|---------|--------|----|--------|
| 2) 1,4-Dioxane                 | 2.48 | 88  | 135458  | 34.308 | ng | 93     |
| 3) Pyridine                    | 3.18 | 79  | 382116  | 36.508 | ng | 89     |
| 4) n-Nitrosodimethylamine      | 3.12 | 42  | 181563  | 45.930 | ng | # 99   |
| 6) Aniline                     | 6.38 | 93  | 228501  | 16.529 | ng | # 88   |
| 8) 2-Chlorophenol              | 6.51 | 128 | 368559  | 39.705 | ng | 98     |
| 9) Benzaldehyde                | 6.26 | 77  | 149263  | 21.851 | ng | 97     |
| 10) Phenol                     | 6.38 | 94  | 440634  | 36.614 | ng | 84     |
| 11) bis(2-Chloroethyl)ether    | 6.46 | 93  | 363586  | 38.403 | ng | 97     |
| 12) 1,3-Dichlorobenzene        | 6.67 | 146 | 409760  | 38.600 | ng | 99     |
| 13) 1,4-Dichlorobenzene        | 6.74 | 146 | 412591  | 38.743 | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 6.90 | 146 | 379300  | 38.418 | ng | 98     |
| 15) Benzyl Alcohol             | 6.87 | 79  | 325882  | 40.134 | ng | 96     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.00 | 45  | 509998  | 37.596 | ng | 93     |
| 17) 2-Methylphenol             | 6.98 | 107 | 297199  | 39.244 | ng | 97     |
| 18) Hexachloroethane           | 7.24 | 117 | 144632  | 37.394 | ng | 98     |
| 19) n-Nitroso-di-n-propylamine | 7.14 | 70  | 267943  | 37.900 | ng | 97     |
| 20) 3+4-Methylphenols          | 7.14 | 107 | 355864  | 39.017 | ng | # 71   |
| 22) Acetophenone               | 7.13 | 105 | 507504  | 44.211 | ng | # 93   |
| 24) Nitrobenzene               | 7.30 | 77  | 389489  | 41.919 | ng | 96     |
| 25) Isophorone                 | 7.54 | 82  | 724519  | 46.769 | ng | 97     |
| 26) 2-Nitrophenol              | 7.62 | 139 | 130883  | 30.167 | ng | 98     |
| 27) 2,4-Dimethylphenol         | 7.67 | 122 | 320779  | 47.134 | ng | 99     |
| 28) bis(2-Chloroethoxy)methane | 7.76 | 93  | 455499  | 43.694 | ng | 98     |
| 29) 2,4-Dichlorophenol         | 7.87 | 162 | 283539  | 39.096 | ng | 96     |
| 30) 1,2,4-Trichlorobenzene     | 7.95 | 180 | 319711  | 40.782 | ng | 98     |
| 31) Naphthalene                | 8.02 | 128 | 1038525 | 44.267 | ng | 99     |
| 32) Benzoic acid               | 7.75 | 122 | 85617m  | 19.253 | ng |        |
| 33) 4-Chloroaniline            | 8.07 | 127 | 90590   | 8.685  | ng | 96     |
| 34) Hexachlorobutadiene        | 8.15 | 225 | 198621  | 41.500 | ng | 99     |
| 35) Caprolactam                | 8.45 | 113 | 85395m  | 36.116 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 8.56 | 107 | 290658  | 38.072 | ng | 97     |
| 37) 2-Methylnaphthalene        | 8.72 | 142 | 675222  | 44.152 | ng | 98     |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.88 | 216 | 302389  | 43.221 | ng | 98     |
| 40) Hexachlorocyclopentadiene  | 8.88 | 237 | 158974  | 45.099 | ng | 98     |

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 Misc :  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB112951BS

Manual Integrations  
 APPROVED

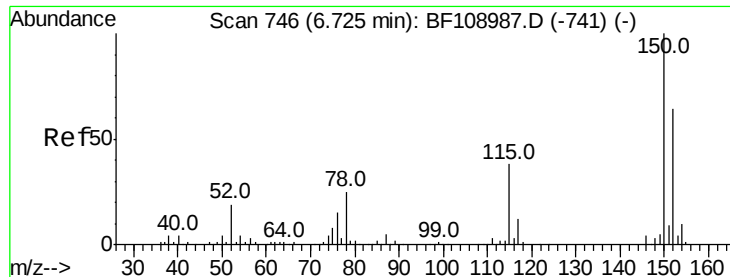
Sohil  
 9/20/2018 10:06:53 AM

Quant Time: Sep 20 08:36:34 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 14 13:26:52 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.00  | 196  | 187931   | 39.963 | nq    | 99       |
| 43) 2,4,5-Trichlorophenol      | 9.04  | 196  | 192995   | 39.273 | nq    | 97       |
| 45) 1,1'-Biphenyl              | 9.18  | 154  | 782520   | 44.001 | nq    | 100      |
| 46) 2-Chloronaphthalene        | 9.20  | 162  | 607283   | 42.639 | nq    | 99       |
| 47) 2-Nitroaniline             | 9.30  | 65   | 186325   | 42.554 | nq    | 95       |
| 48) Acenaphthylene             | 9.61  | 152  | 957786   | 44.603 | nq    | 100      |
| 49) Dimethylphthalate          | 9.48  | 163  | 723545   | 45.541 | nq    | # 99     |
| 50) 2,6-Dinitrotoluene         | 9.54  | 165  | 137379   | 38.990 | nq    | 97       |
| 51) Acenaphthene               | 9.79  | 154  | 550668   | 41.182 | nq    | 100      |
| 52) 3-Nitroaniline             | 9.70  | 138  | 134563   | 32.434 | nq    | 94       |
| 53) 2,4-Dinitrophenol          | 9.81  | 184  | 17393    | 12.809 | nq    | # 23     |
| 54) Dibenzofuran               | 9.96  | 168  | 805542   | 41.689 | nq    | 99       |
| 55) 4-Nitrophenol              | 9.87  | 139  | 157407   | 51.494 | nq    | 94       |
| 56) 2,4-Dinitrotoluene         | 9.94  | 165  | 166576   | 36.150 | nq    | 96       |
| 57) Fluorene                   | 10.30 | 166  | 581429   | 45.153 | nq    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.08 | 232  | 142610   | 35.047 | nq    | # 87     |
| 59) Diethylphthalate           | 10.18 | 149  | 701936   | 43.751 | nq    | 98       |
| 60) 4-Chlorophenyl-phenylether | 10.30 | 204  | 285009   | 41.335 | nq    | 94       |
| 61) 4-Nitroaniline             | 10.31 | 138  | 142834   | 36.236 | nq    | 99       |
| 62) Azobenzene                 | 10.45 | 77   | 655736   | 39.928 | nq    | 94       |
| 64) 4,6-Dinitro-2-methylphenol | 10.34 | 198  | 18729    | 10.479 | nq    | 91       |
| 65) n-Nitrosodiphenylamine     | 10.41 | 169  | 561872   | 45.982 | nq    | 95       |
| 66) 4-Bromophenyl-phenylether  | 10.78 | 248  | 186666   | 44.324 | nq    | 93       |
| 67) Hexachlorobenzene          | 10.85 | 284  | 194378   | 43.151 | nq    | # 91     |
| 68) Atrazine                   | 10.94 | 200  | 179751   | 45.953 | nq    | 98       |
| 69) Pentachlorophenol          | 11.04 | 266  | 133588   | 46.352 | nq    | 99       |
| 70) Phenanthrene               | 11.25 | 178  | 830307   | 45.343 | nq    | 99       |
| 71) Anthracene                 | 11.31 | 178  | 849554   | 45.767 | nq    | 99       |
| 72) Carbazole                  | 11.46 | 167  | 741505   | 40.353 | nq    | 99       |
| 73) Di-n-butylphthalate        | 11.80 | 149  | 963210   | 44.780 | nq    | 98       |
| 74) Fluoranthene               | 12.44 | 202  | 849861   | 43.962 | nq    | 97       |
| 76) Benzidine                  | 12.55 | 184  | 243695   | 22.624 | nq    | 98       |
| 77) Pyrene                     | 12.66 | 202  | 855554   | 37.853 | nq    | 99       |
| 79) Butylbenzylphthalate       | 13.28 | 149  | 386619   | 38.298 | nq    | 95       |
| 80) Benzo(a)anthracene         | 13.84 | 228  | 813562   | 44.161 | nq    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 13.81 | 252  | 132163   | 17.778 | nq    | 98       |
| 82) Chrysene                   | 13.88 | 228  | 790145   | 42.869 | nq    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 13.85 | 149  | 501523   | 41.031 | nq    | 99       |
| 84) Di-n-octyl phthalate       | 14.46 | 149  | 975873   | 47.075 | nq    | 98       |
| 85) Indeno(1,2,3-cd)pyrene     | 16.61 | 276  | 654604   | 44.422 | nq    | # 93     |
| 87) Benzo(b)fluoranthene       | 14.87 | 252  | 827460   | 48.635 | nq    | 97       |
| 88) Benzo(k)fluoranthene       | 14.89 | 252  | 698068   | 43.929 | nq    | 98       |
| 89) Benzo(a)pyrene             | 15.20 | 252  | 697422   | 46.158 | nq    | 99       |
| 90) Dibenzo(a,h)anthracene     | 16.63 | 278  | 545521   | 42.975 | nq    | # 95     |
| 91) Benzo(g,h,i)perylene       | 17.02 | 276  | 530673   | 41.815 | nq    | # 91     |

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





#1

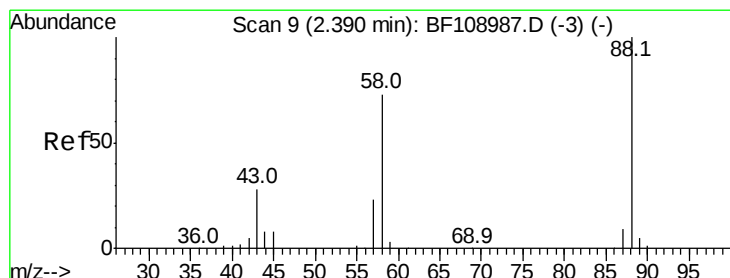
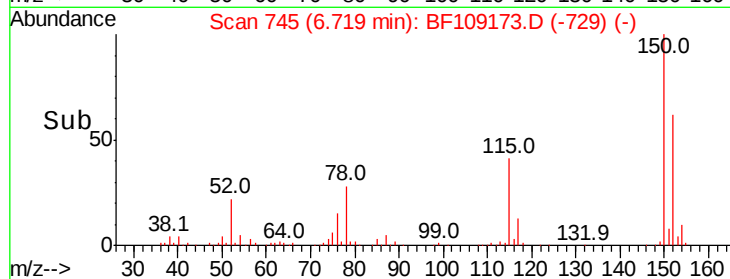
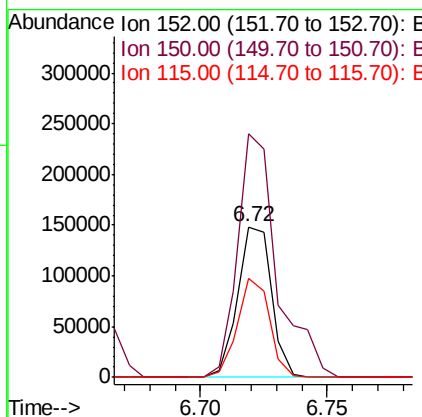
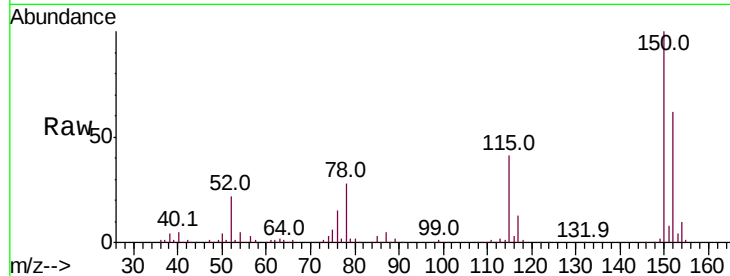
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.72 min Scan# 745  
Delta R.T. -0.01 min  
Lab File: BF109173.D  
Acq: 20 Sep 2018 4:38

Instrument :  
BNA\_F  
ClientSampleId :  
PB112951BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 161.8 | 124.6 | 186.8 |
| 115     | 65.7  | 50.1  | 75.1  |

Manual Integrations  
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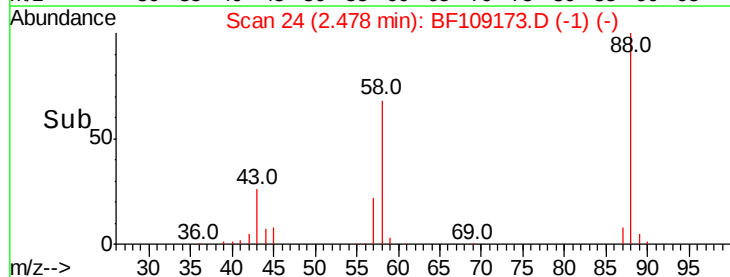
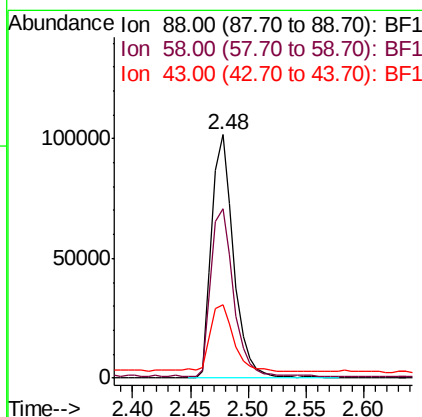
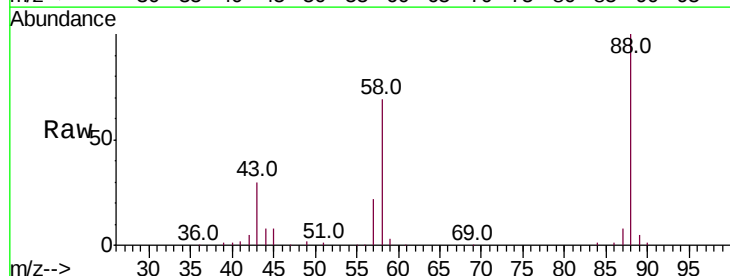
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9/20/2018 10:06:53 AM

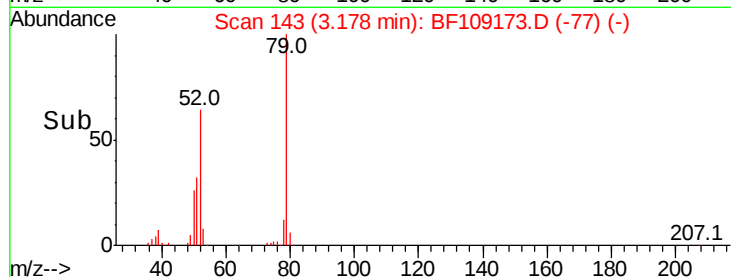
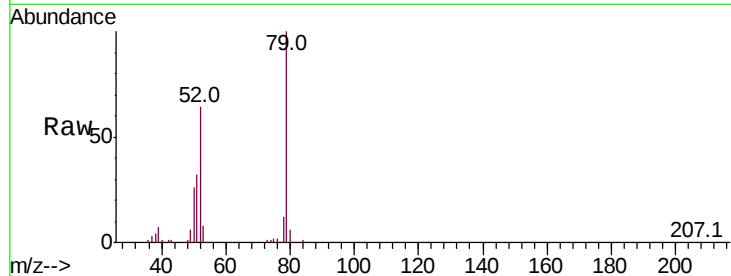
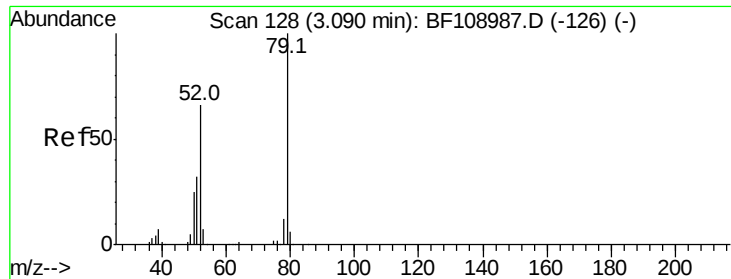


#2

1,4-Dioxane  
Concen: 34.308 ng  
RT: 2.48 min Scan# 24  
Delta R.T. 0.09 min  
Lab File: BF109173.D  
Acq: 20 Sep 2018 4:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 70.6  | 62.6  | 93.8  |
| 43      | 28.9  | 24.6  | 37.0  |





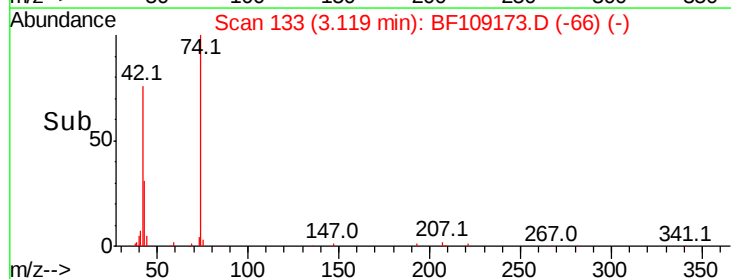
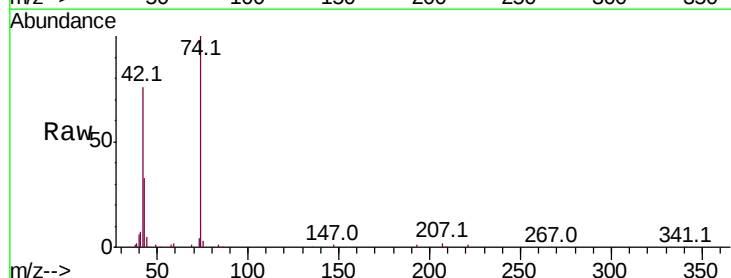
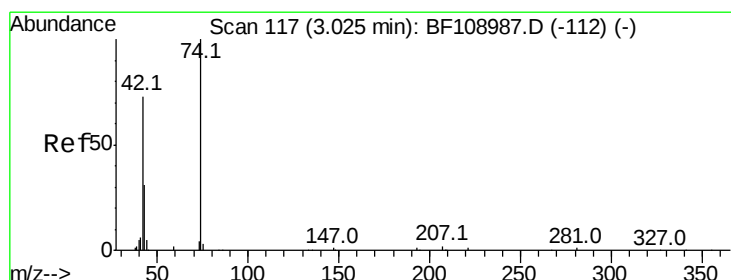
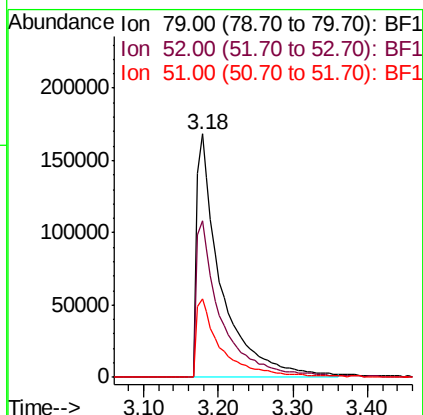
#3  
Pvridine  
Concen: 36.508 ng  
RT: 3.18 min Scan# 143  
Delta R.T. 0.09 min  
Lab File: BF109173.D  
Acq: 20 Sep 2018 4:38

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 52      | 64.1  | 59.8  | 89.6  |
| 51      | 32.3  | 29.8  | 44.8  |

Instrument :  
BNA\_F  
ClientSampleId :  
PB112951BS

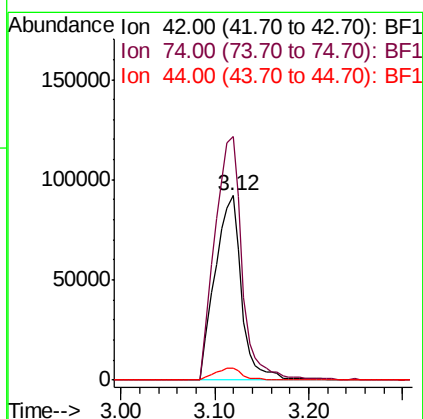
Manual Integrations  
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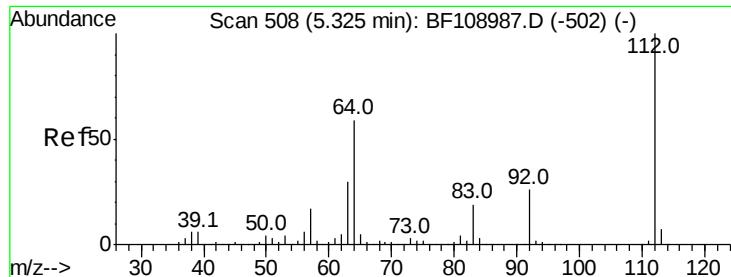
Sohil  
9/20/2018 10:06:53 AM



#4  
n-Nitrosodimethylamine  
Concen: 45.930 ng  
RT: 3.12 min Scan# 133  
Delta R.T. 0.09 min  
Lab File: BF109173.D  
Acq: 20 Sep 2018 4:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 74      | 132.2 | 104.9 | 157.3 |
| 44      | 6.6   | 6.9   | 10.3# |





#5

2-Fluorophenol

Concen: 86.213 ng

RT: 5.34 min Scan# 511

Delta R.T. 0.02 min

Lab File: BF109173.D

Acq: 20 Sep 2018 4:38

Instrument :

BNA\_F

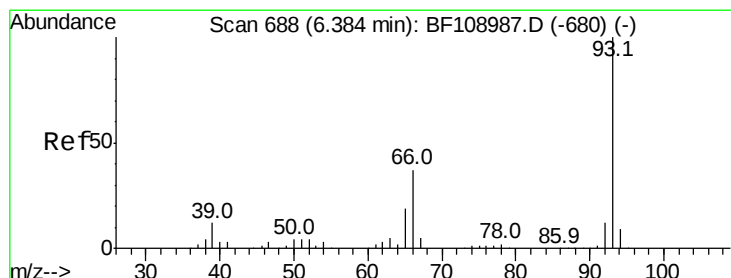
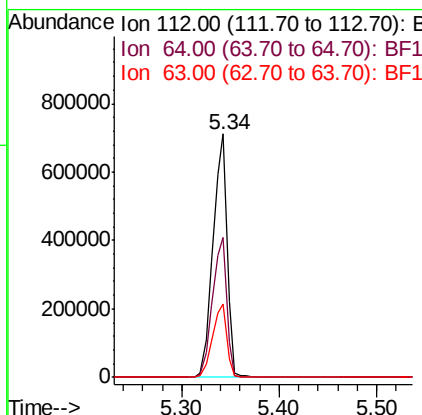
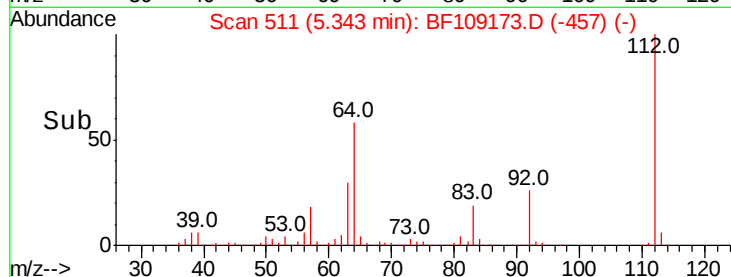
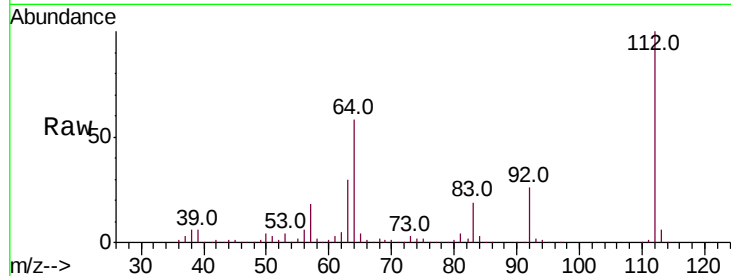
ClientSampleId :

PB112951BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 112   | Resp: | 715097 |
| Ion Ratio | Lower | Upper |        |
| 112       | 100   |       |        |
| 64        | 57.6  | 47.9  | 71.9   |
| 63        | 30.1  | 23.7  | 35.5   |

Manual Integrations  
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9/20/2018 10:06:53 AM



#6

Aniline

Concen: 16.529 ng

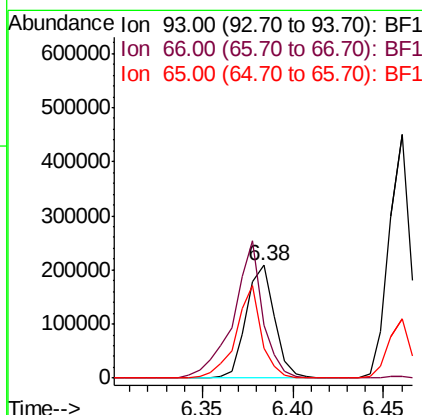
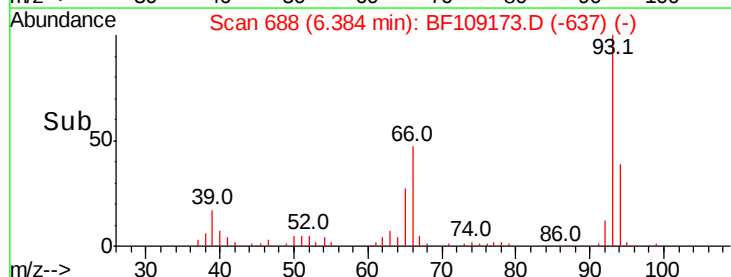
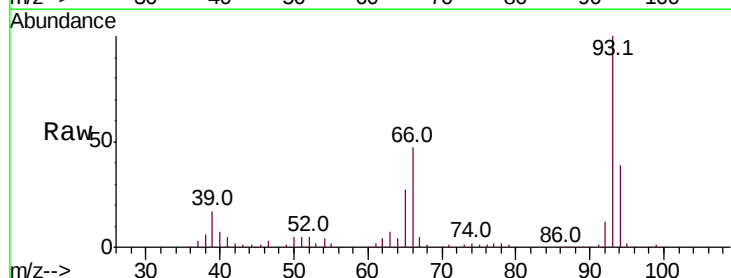
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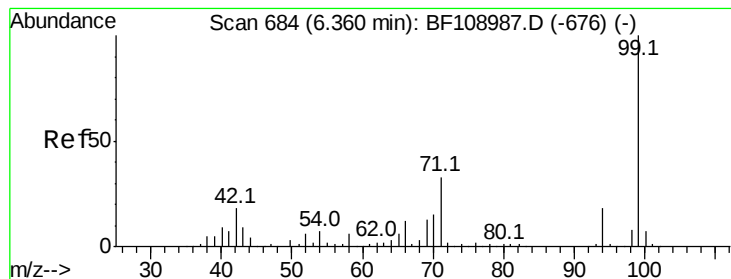
Delta R.T. -0.00 min

Lab File: BF109173.D

Acq: 20 Sep 2018 4:38

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 93    | Resp: | 228501 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 66        | 47.2  | 32.2  | 48.2   |
| 65        | 26.8  | 16.4  | 24.6   |





#7

Phenol-d6

Concen: 84.959 ng

RT: 6.36 min Scan# 684

Delta R.T. -0.00 min

Lab File: BF109173.D

Acq: 20 Sep 2018 4:38

Instrument :

BNA\_F

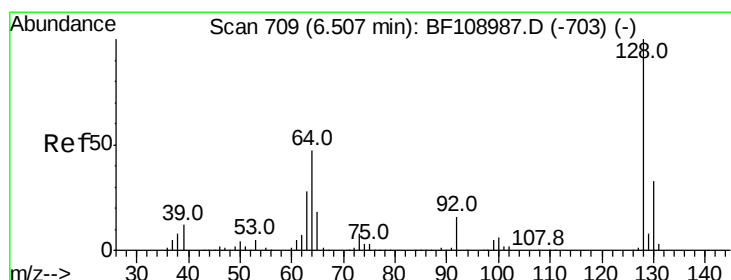
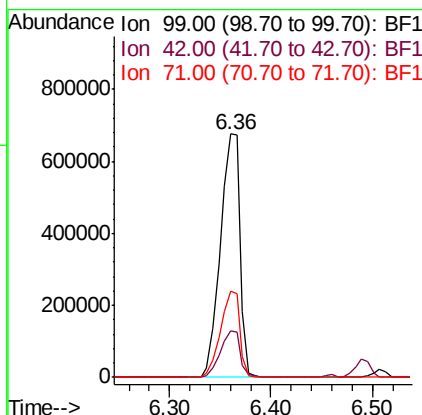
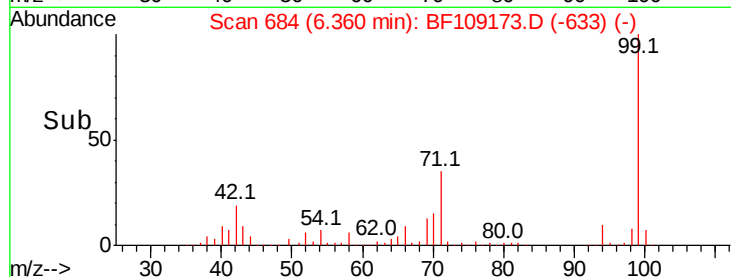
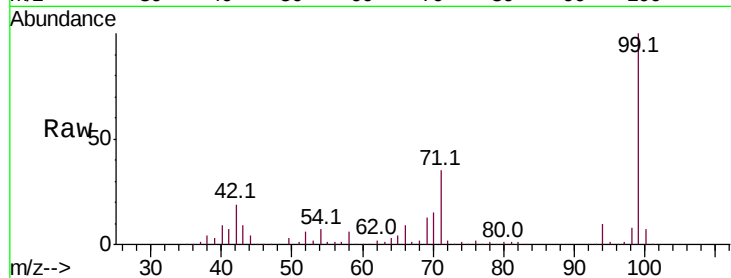
ClientSampleId :

PB112951BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 99      | 100   | 908672 |       |       |
| 42      | 19.0  |        | 14.5  | 21.7  |
| 71      | 35.5  |        | 25.4  | 38.0  |

Manual Integrations  
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9/20/2018 10:06:53 AM



#8

2-Chlorophenol

Concen: 39.705 ng

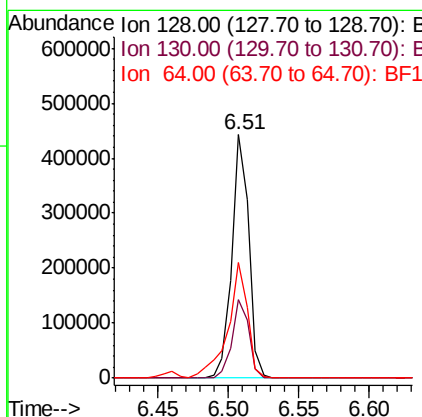
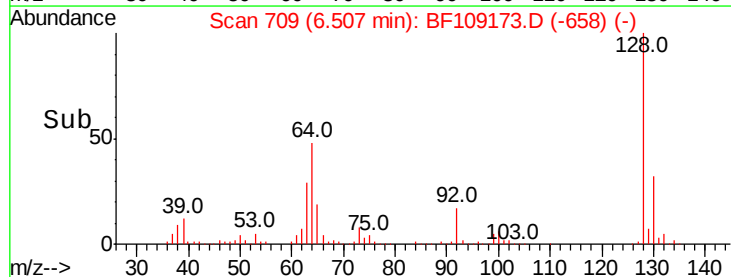
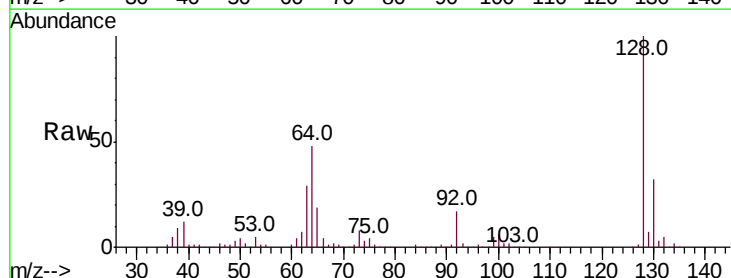
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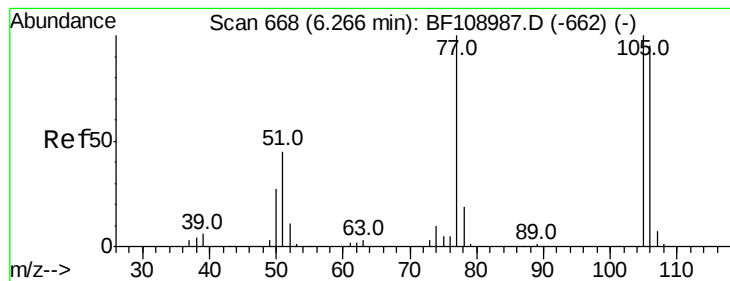
Delta R.T. -0.00 min

Lab File: BF109173.D

Acq: 20 Sep 2018 4:38

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 128     | 100   | 368559 |       |       |
| 130     | 32.1  |        | 13.0  | 53.0  |
| 64      | 47.7  |        | 29.4  | 69.4  |





#9

Benzaldehyde

Concen: 21.851 ng

RT: 6.26 min Scan# 667

Delta R.T. -0.01 min

Lab File: BF109173.D

Acq: 20 Sep 2018 4:38

Instrument :

BNA\_F

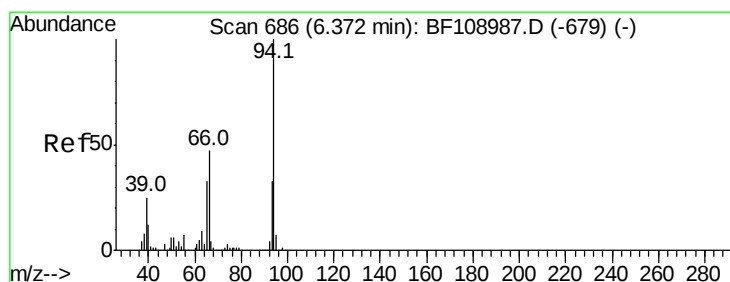
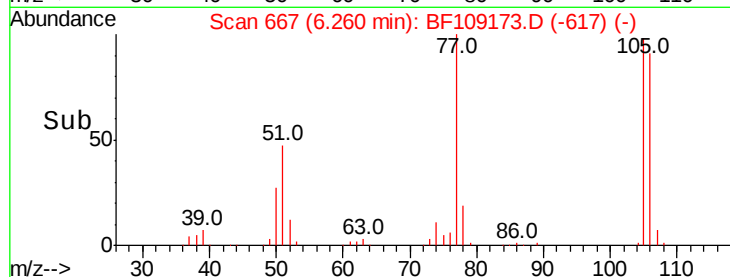
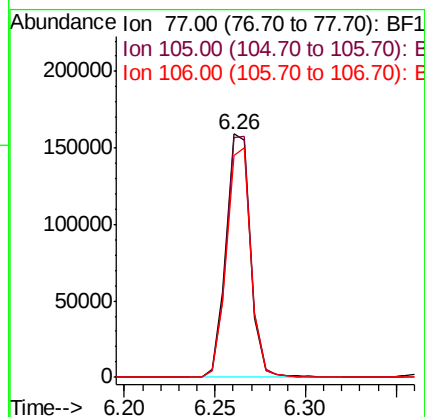
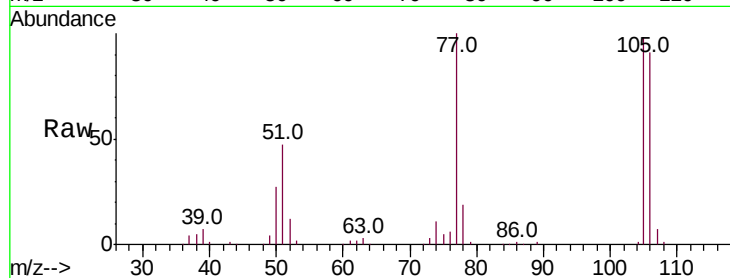
ClientSampleId :

PB112951BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 105     | 98.4  | 81.1  | 121.1 |
| 106     | 91.1  | 74.5  | 114.5 |

Manual Integrations  
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9/20/2018 10:06:53 AM



#10

Phenol

Concen: 36.614 ng

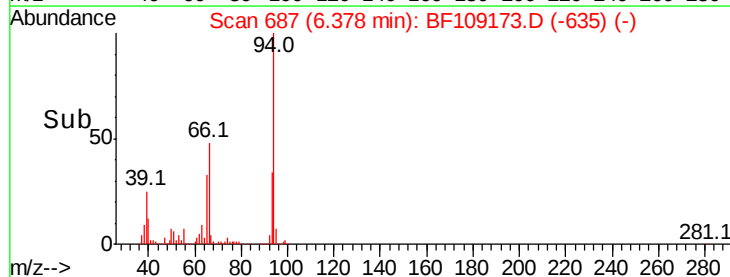
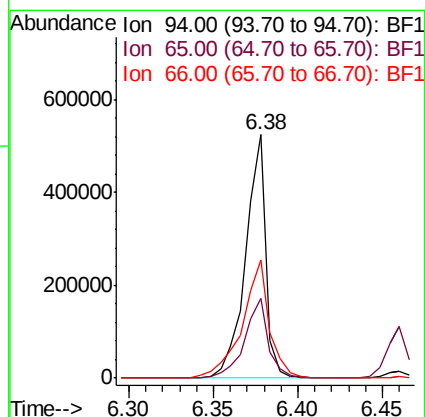
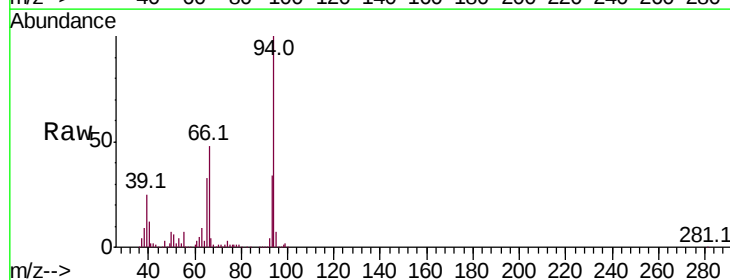
RT: 6.38 min Scan# 687

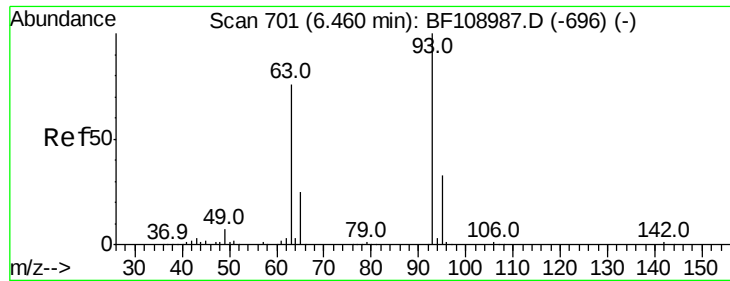
Delta R.T. 0.01 min

Lab File: BF109173.D

Acq: 20 Sep 2018 4:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 94      | 100   |       |       |
| 65      | 32.8  | 7.9   | 47.9  |
| 66      | 48.4  | 16.2  | 56.2  |





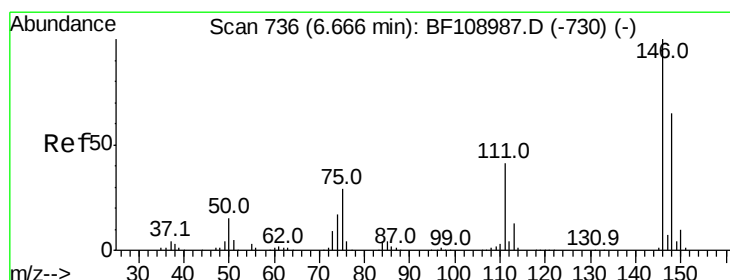
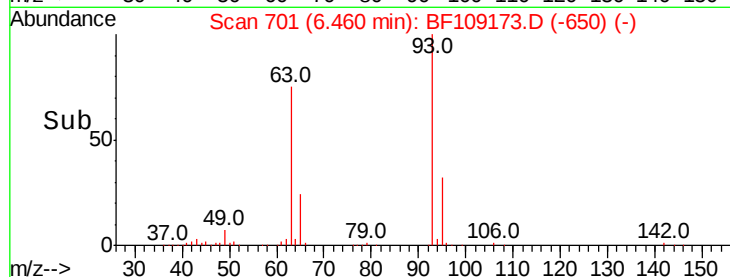
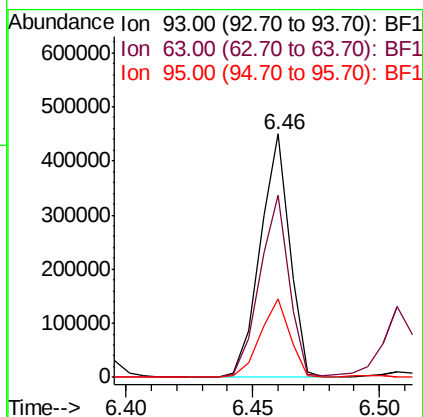
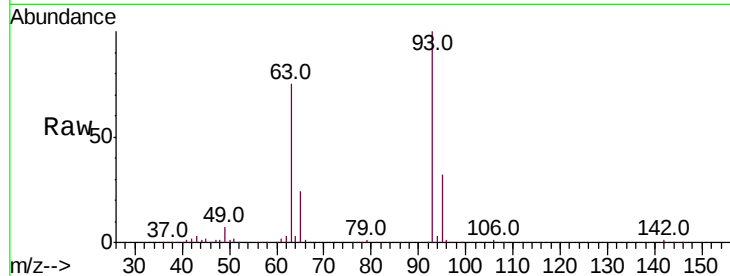
#11  
bis(2-Chloroethyl)ether  
Concen: 38.403 ng  
RT: 6.46 min Scan# 701  
Delta R.T. -0.00 min  
Lab File: BF109173.D  
Acq: 20 Sep 2018 4:38

Instrument :  
BNA\_F  
ClientSampleId :  
PB112951BS

| Tot Ion   | 93   | Resp  | 363586 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 93        | 100  |       |        |
| 63        | 75.1 | 58.6  | 98.6   |
| 95        | 32.5 | 11.8  | 51.8   |

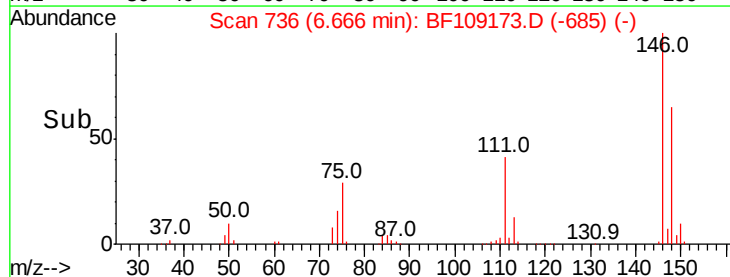
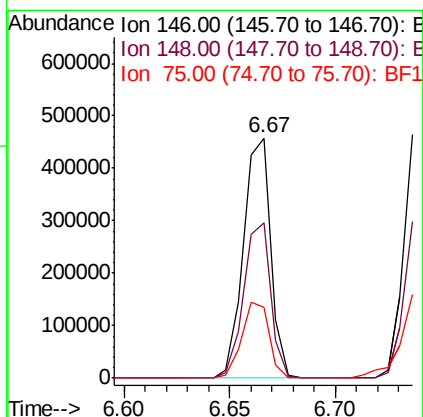
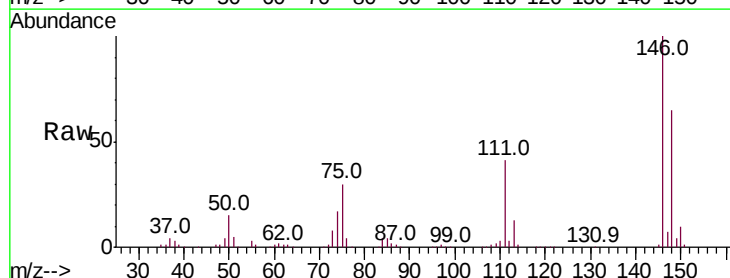
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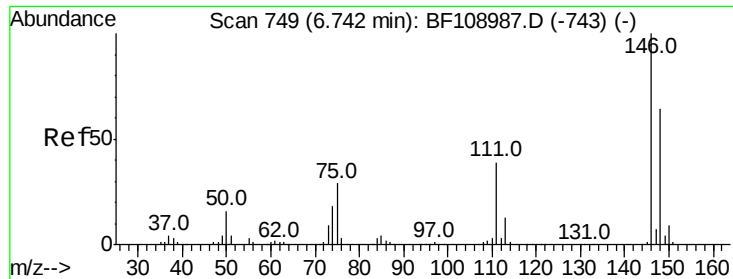
Sohil  
9/20/2018 10:06:53 AM



#12  
1,3-Dichlorobenzene  
Concen: 38.600 ng  
RT: 6.67 min Scan# 736  
Delta R.T. -0.00 min  
Lab File: BF109173.D  
Acq: 20 Sep 2018 4:38

| Tgt Ion   | 146  | Resp  | 409760 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 146       | 100  |       |        |
| 148       | 65.0 | 51.8  | 77.8   |
| 75        | 29.6 | 24.2  | 36.4   |





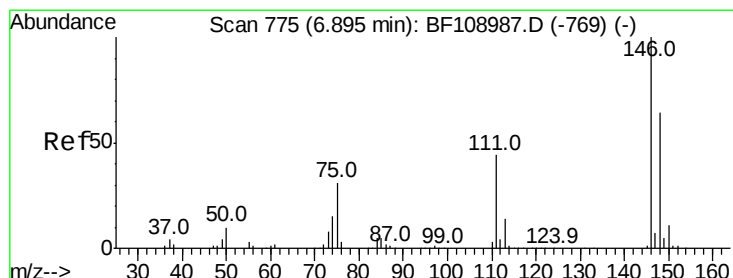
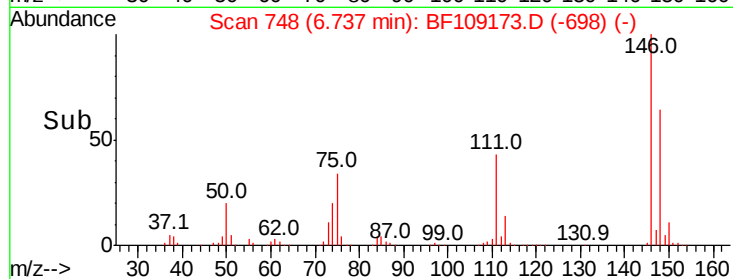
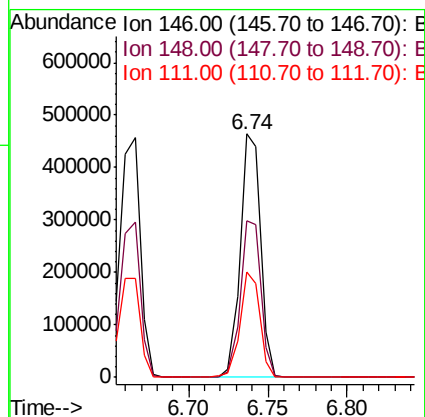
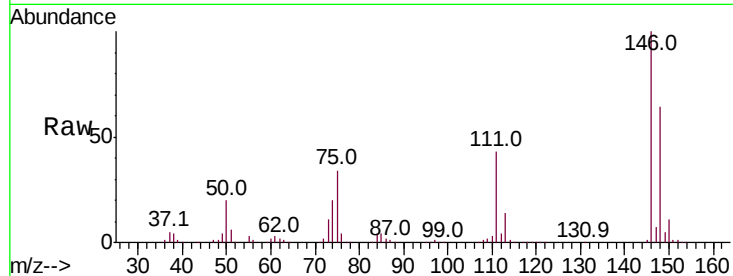
#13  
1,4-Dichlorobenzene  
Concen: 38.743 ng  
RT: 6.74 min Scan# 748  
Delta R.T. -0.01 min  
Lab File: BF109173.D  
Acq: 20 Sep 2018 4:38

Instrument :  
BNA\_F  
ClientSampleId :  
PB112951BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 64.2  | 50.8  | 76.2  |
| 111     | 43.5  | 34.2  | 51.2  |

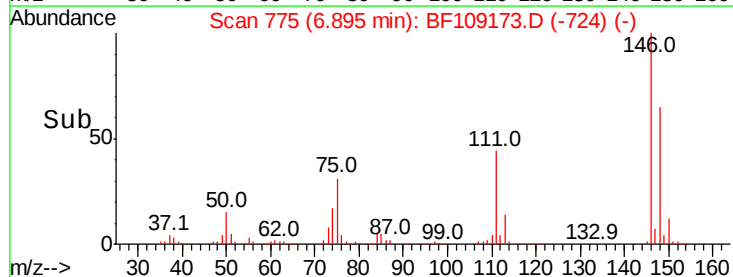
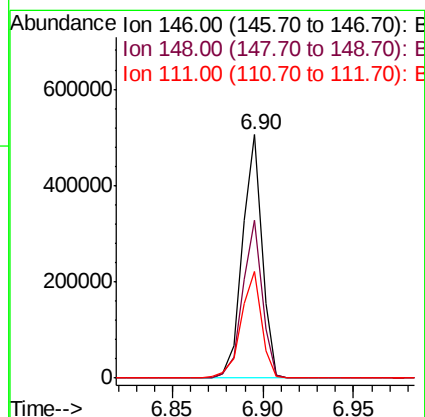
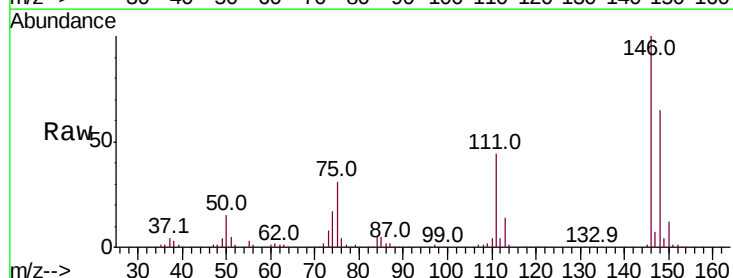
Manual Integrations  
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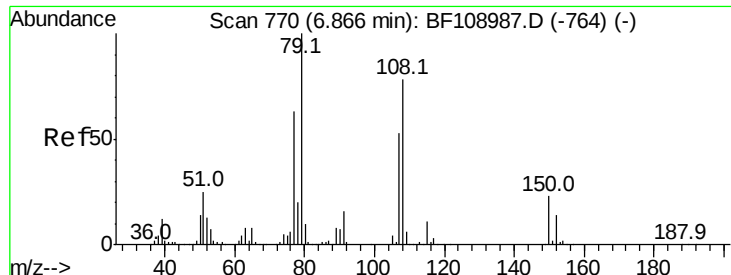
Sohil  
9/20/2018 10:06:53 AM



#14  
1,2-Dichlorobenzene  
Concen: 38.418 ng  
RT: 6.90 min Scan# 775  
Delta R.T. -0.00 min  
Lab File: BF109173.D  
Acq: 20 Sep 2018 4:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 64.8  | 50.6  | 75.8  |
| 111     | 44.0  | 36.0  | 54.0  |





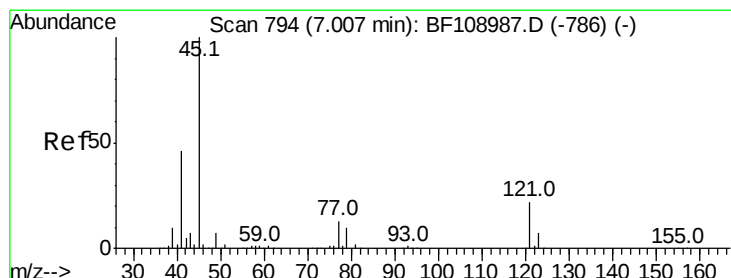
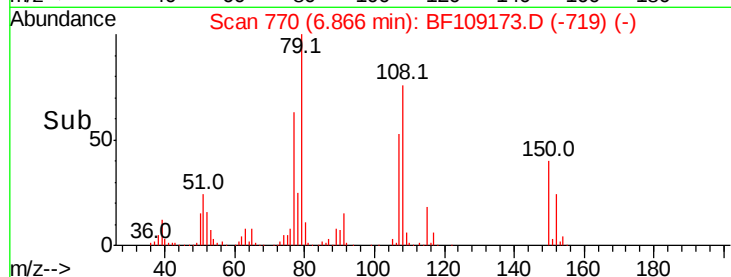
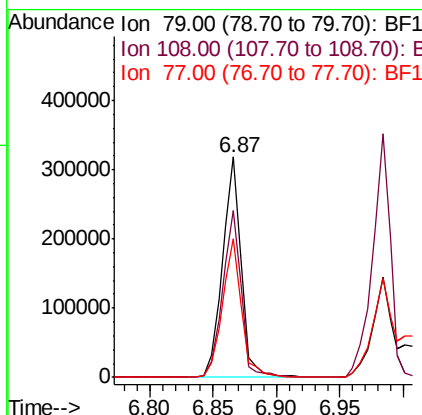
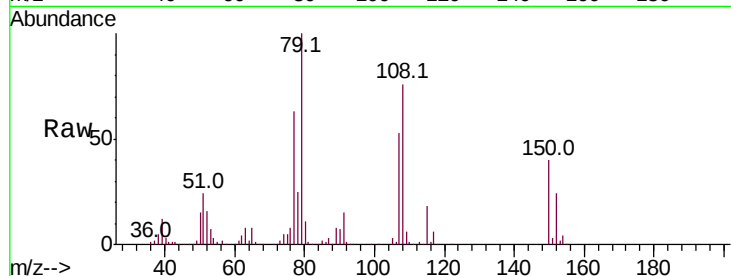
#15  
Benzyl Alcohol  
Concen: 40.134 ng  
RT: 6.87 min Scan# 770  
Delta R.T. -0.00 min  
Lab File: BF109173.D  
Acq: 20 Sep 2018 4:38

Instrument :  
BNA\_F  
ClientSampleId :  
PB112951BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 108     | 75.8  | 65.1  | 97.7  |
| 77      | 63.1  | 50.6  | 75.8  |

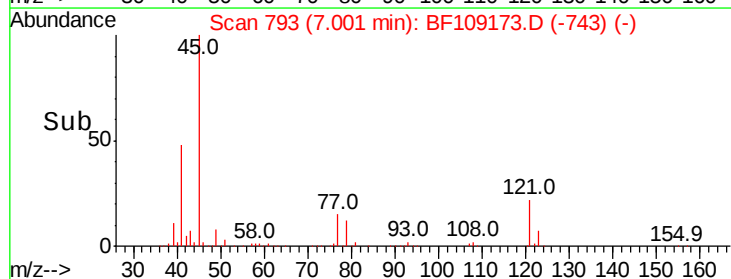
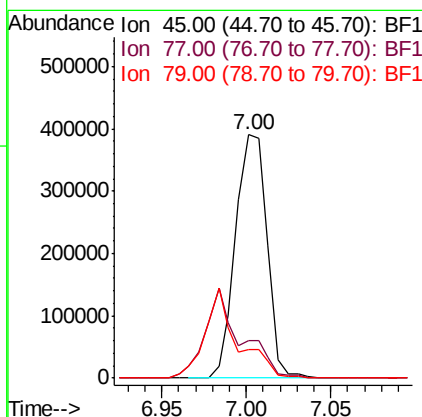
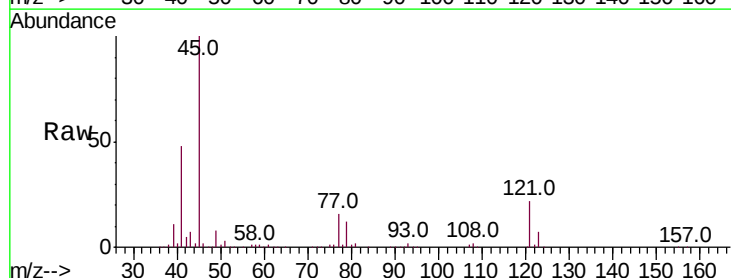
Manual Integrations  
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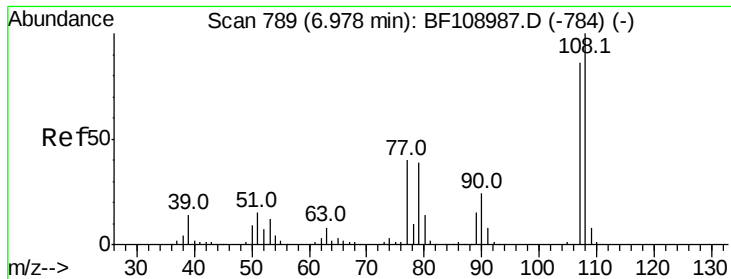
Sohil  
9/20/2018 10:06:53 AM



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 37.596 ng  
RT: 7.00 min Scan# 793  
Delta R.T. -0.01 min  
Lab File: BF109173.D  
Acq: 20 Sep 2018 4:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 77      | 15.5  | 0.0   | 32.9  |
| 79      | 11.9  | 0.0   | 29.6  |





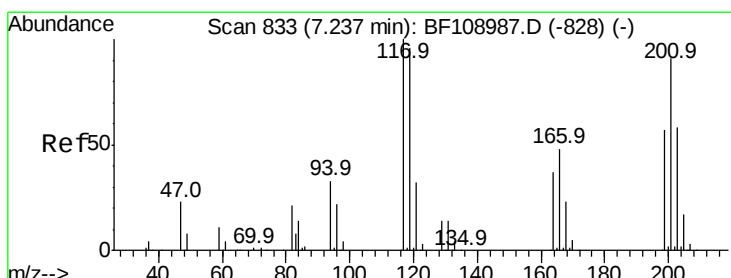
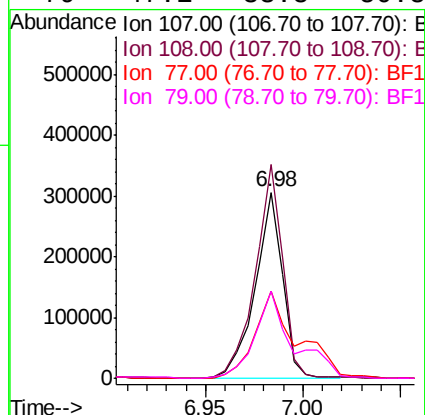
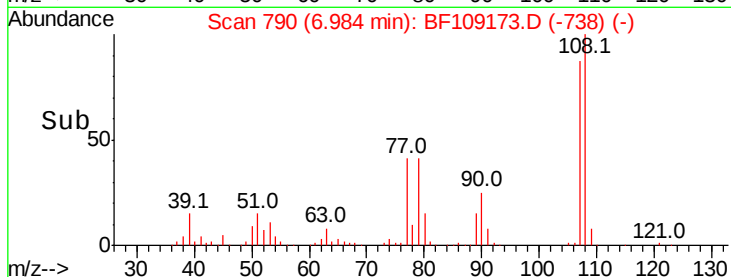
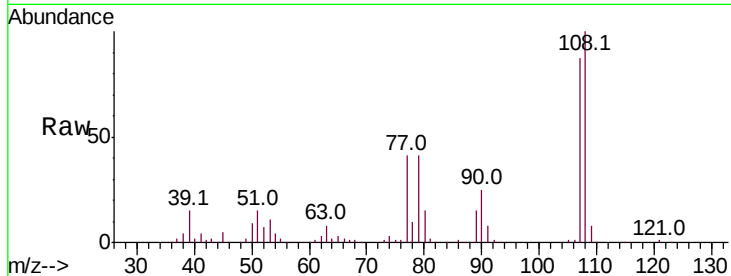
#17  
2-Methylphenol  
Concen: 39.244 ng  
RT: 6.98 min Scan# 790  
Delta R.T. 0.01 min  
Lab File: BF109173.D  
Acq: 20 Sep 2018 4:38

Instrument :  
BNA\_F  
ClientSampled :  
PB112951BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 107     | 100   | 297199 |       |       |
| 108     | 114.8 | 91.7   | 137.5 |       |
| 77      | 47.0  | 33.8   | 50.8  |       |
| 79      | 47.1  | 33.8   | 50.8  |       |

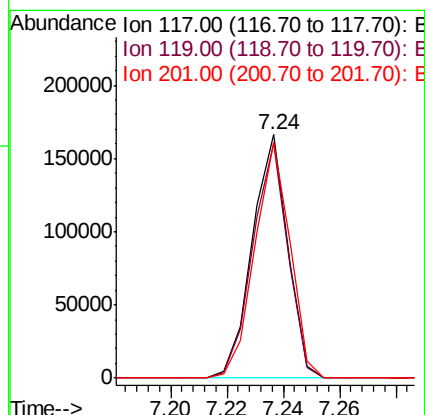
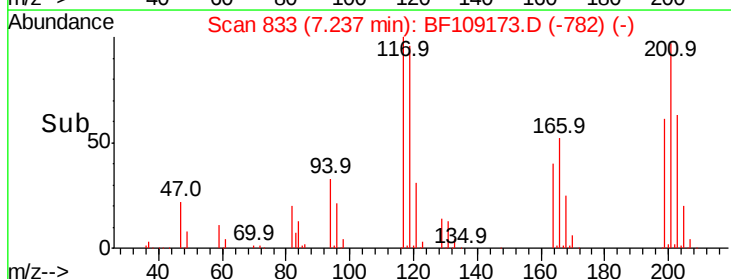
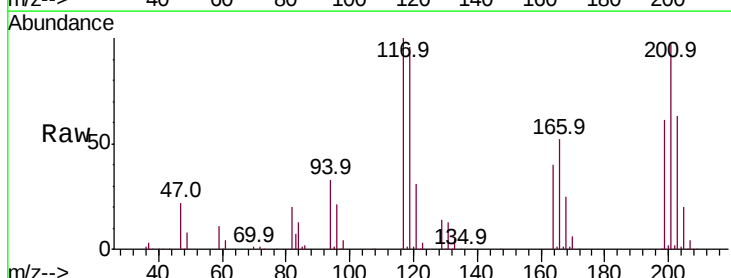
Manual Integrations  
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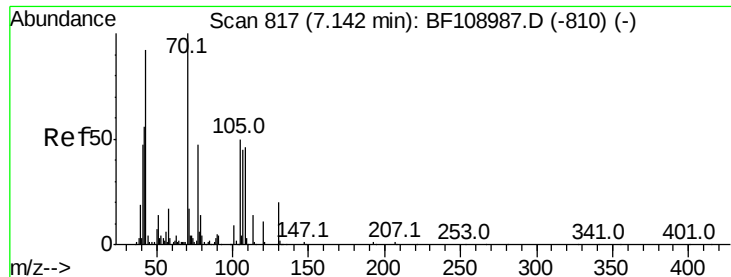
Sohil  
9/20/2018 10:06:53 AM



#18  
Hexachloroethane  
Concen: 37.394 ng  
RT: 7.24 min Scan# 833  
Delta R.T. -0.00 min  
Lab File: BF109173.D  
Acq: 20 Sep 2018 4:38

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 144632 |       |       |
| 119     | 96.5  | 75.8   | 113.8 |       |
| 201     | 96.7  | 75.7   | 113.5 |       |





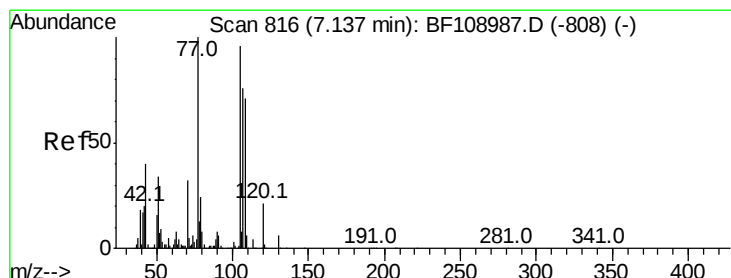
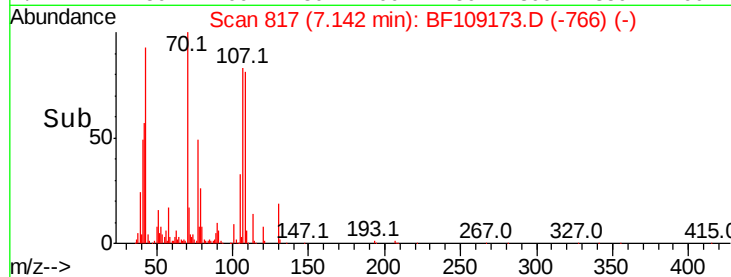
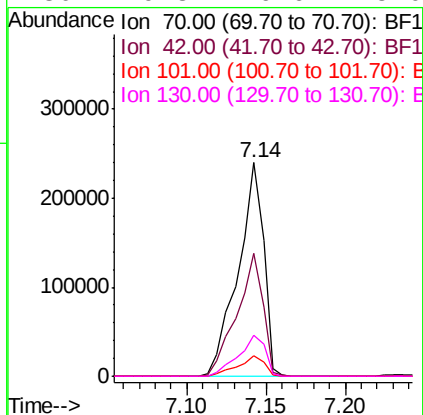
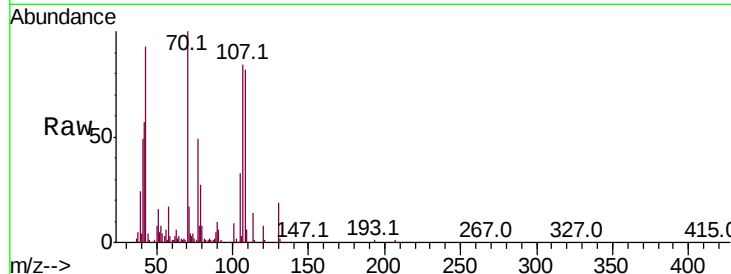
#19  
n-Nitroso-di-n-propylamine  
Concen: 37.900 ng  
RT: 7.14 min Scan# 817  
Delta R.T. -0.00 min  
Lab File: BF109173.D  
Acq: 20 Sep 2018 4:38

Instrument :  
BNA\_F  
ClientSampleId :  
PB112951BS

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 70      | 100  |       |       |       |
| 42      | 57.3 | 47.5  | 71.3  |       |
| 101     | 9.5  | 7.4   | 11.2  |       |
| 130     | 19.3 | 16.6  | 25.0  |       |

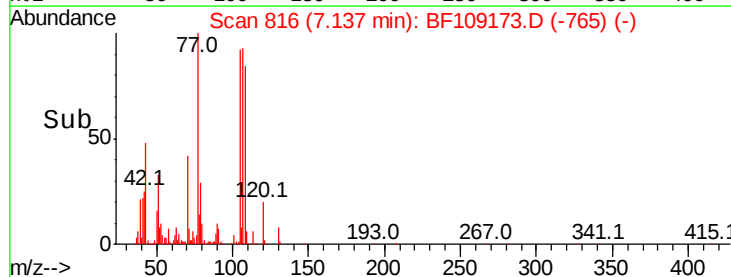
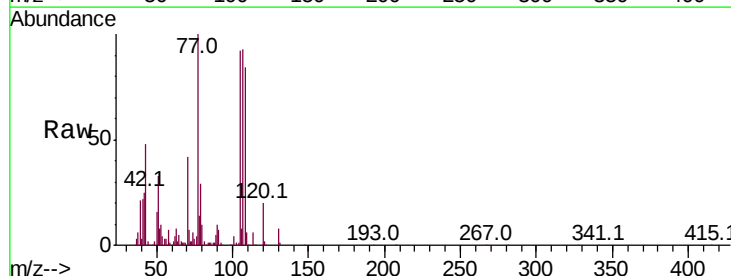
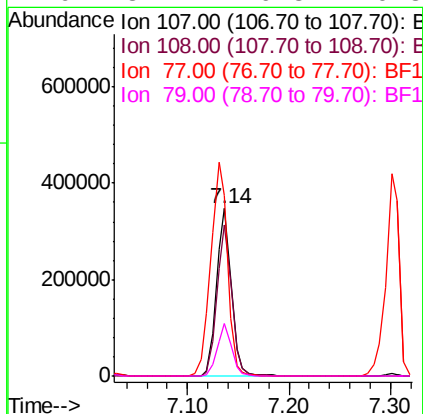
Manual Integrations  
APPROVED

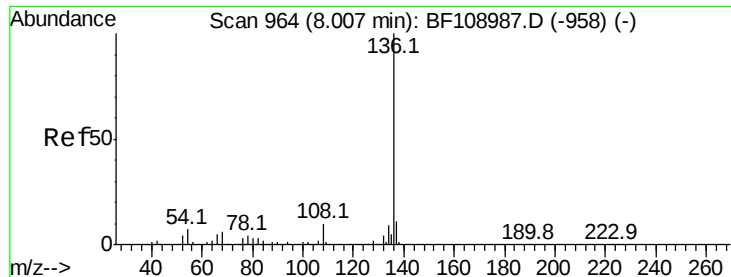
Sohil  
9/20/2018 10:06:53 AM



#20  
3+4-Methylphenols  
Concen: 39.017 ng  
RT: 7.14 min Scan# 816  
Delta R.T. -0.00 min  
Lab File: BF109173.D  
Acq: 20 Sep 2018 4:38

| Tgt Ion | Ion   | Ratio | Lower | Upper |
|---------|-------|-------|-------|-------|
| 107     | 100   |       |       |       |
| 108     | 90.5  | 68.2  | 108.2 |       |
| 77      | 107.5 | 26.7  | 66.7# |       |
| 79      | 31.1  | 6.3   | 46.3  |       |





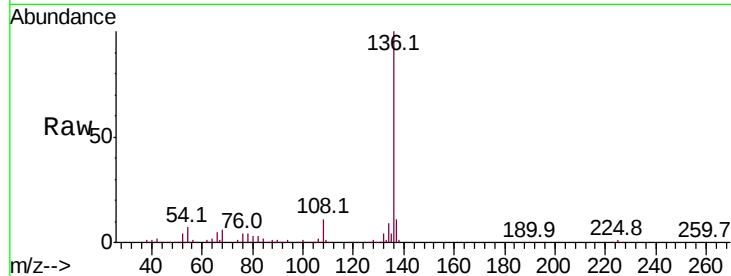
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.00 min Scan# 963  
Delta R.T. -0.01 min  
Lab File: BF109173.D  
Acq: 20 Sep 2018 4:38

Instrument :  
BNA\_F  
ClientSampleId :  
PB112951BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 136     | 100   |      |       |       |
| 137     | 10.8  | 8.9  | 13.3  |       |
| 54      | 7.4   | 6.6  | 9.8   |       |
| 68      | 5.9   | 5.0  | 7.4   |       |

Manual Integrations  
APPROVED

Sohil  
9/20/2018 10:06:53 AM



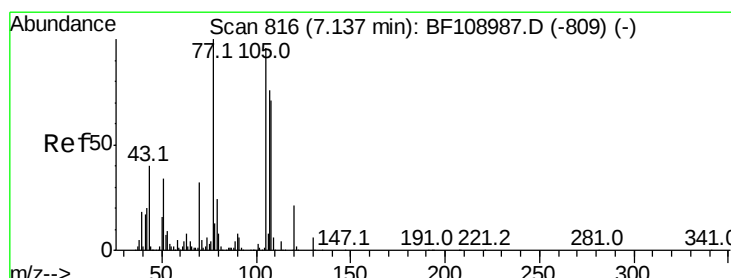
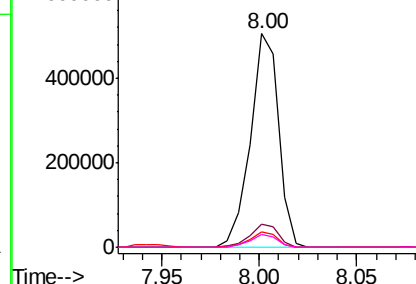
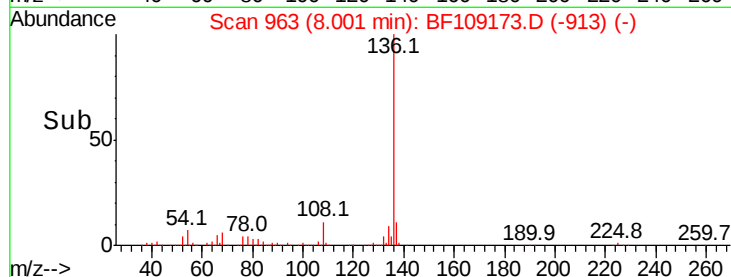
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

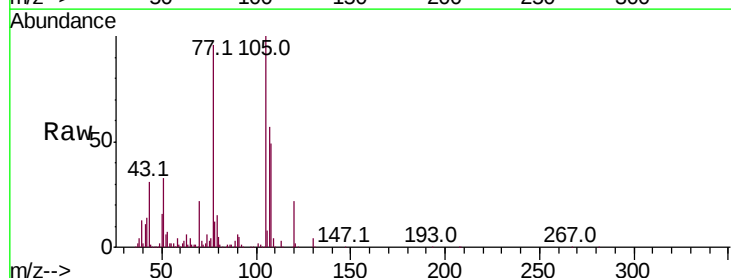
Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22  
Acetophenone  
Concen: 44.211 ng  
RT: 7.13 min Scan# 815  
Delta R.T. -0.01 min  
Lab File: BF109173.D  
Acq: 20 Sep 2018 4:38

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 105     | 100   |      |       |       |
| 71      | 3.5   | 4.4  | 6.6#  |       |
| 51      | 33.1  | 22.3 | 33.5  |       |
| 120     | 22.2  | 16.9 | 25.3  |       |



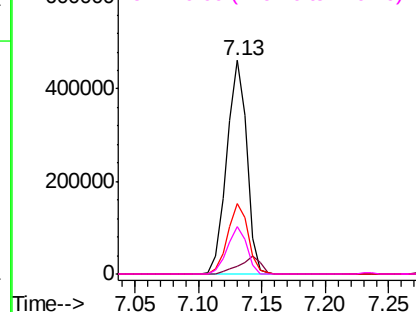
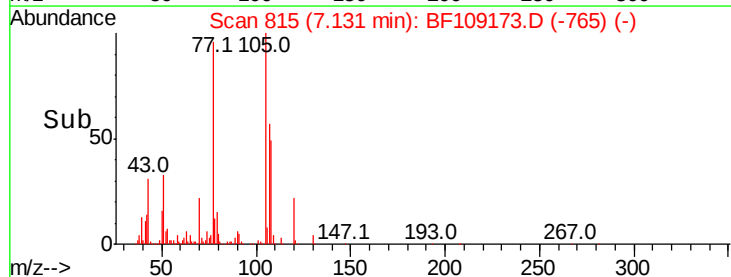
Abundance

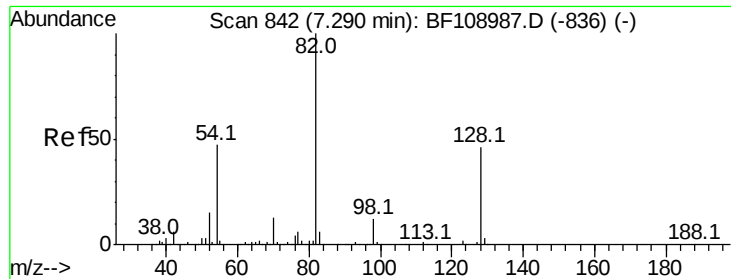
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E





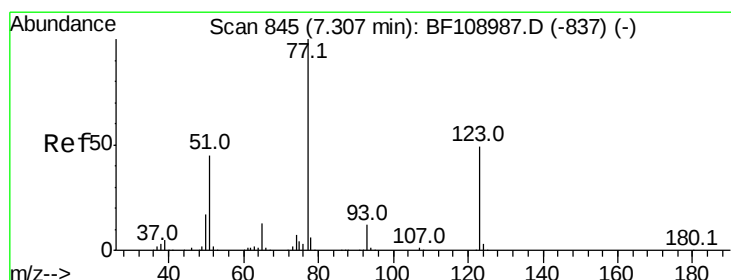
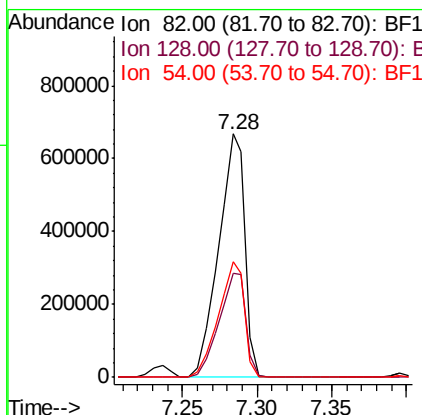
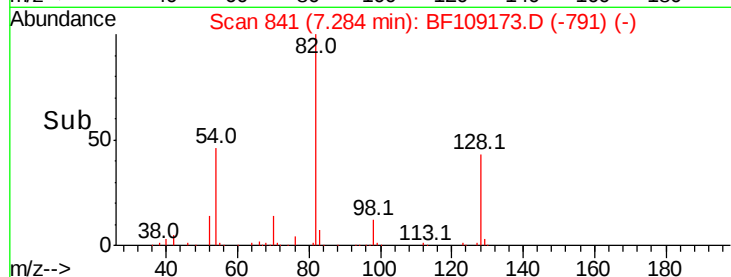
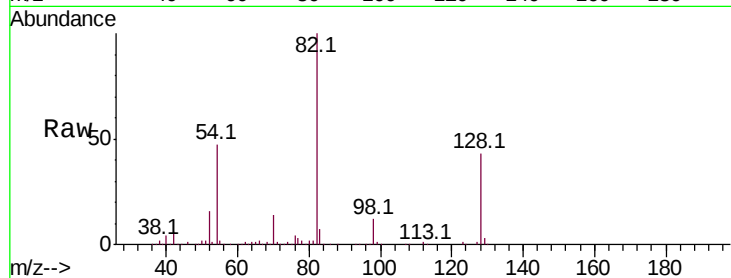
#23  
Nitrobenzene-d5  
Concen: 91.238 ng  
RT: 7.28 min Scan# 841  
Delta R.T. -0.01 min  
Lab File: BF109173.D  
Acq: 20 Sep 2018 4:38

Instrument :  
BNA\_F  
ClientSampleId :  
PB112951BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 43.0  | 36.1  | 54.1  |
| 54      | 47.3  | 41.4  | 62.2  |

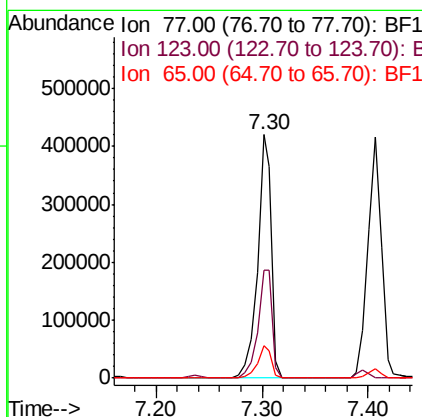
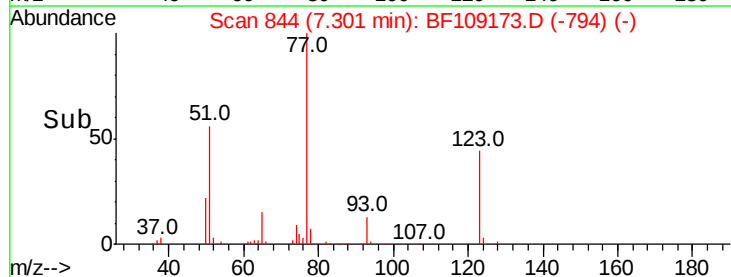
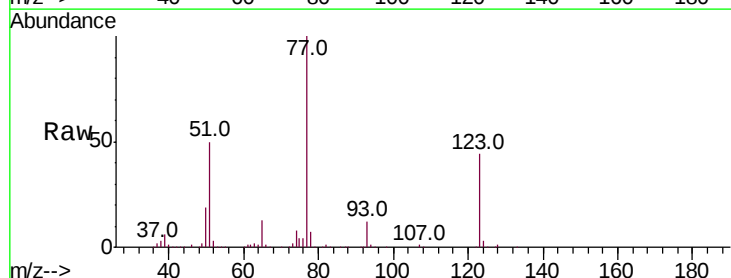
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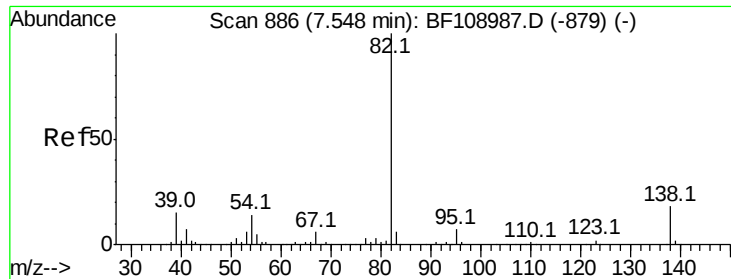
Sohil  
9/20/2018 10:06:53 AM



#24  
Nitrobenzene  
Concen: 41.919 ng  
RT: 7.30 min Scan# 844  
Delta R.T. -0.01 min  
Lab File: BF109173.D  
Acq: 20 Sep 2018 4:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 44.3  | 37.9  | 56.9  |
| 65      | 13.3  | 11.0  | 16.4  |





#25

Isophorone

Concen: 46.769 ng

RT: 7.54 min Scan# 885

Delta R.T. -0.01 min

Lab File: BF109173.D

Acq: 20 Sep 2018 4:38

Instrument :

BNA\_F

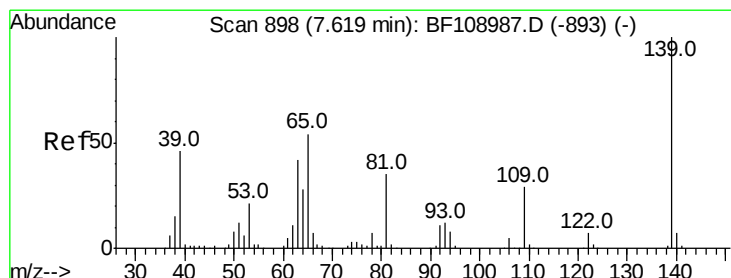
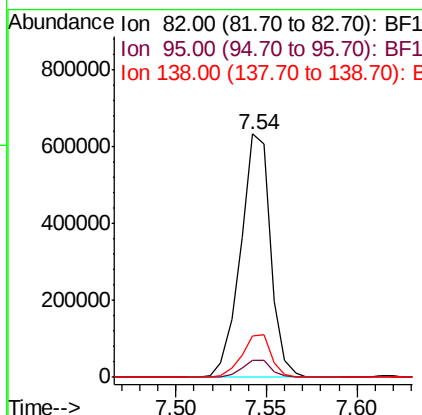
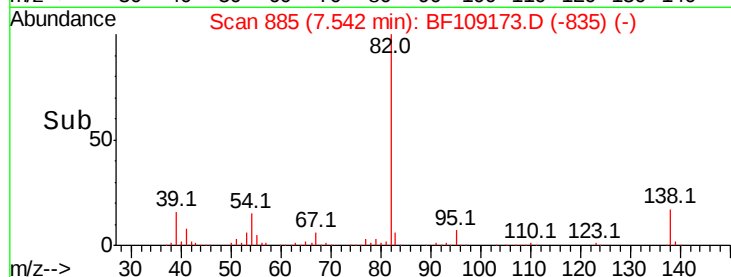
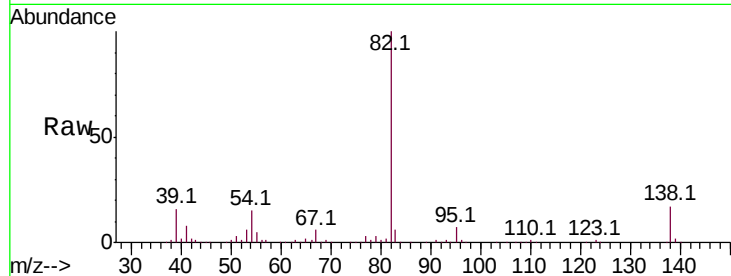
ClientSampleId :

PB112951BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 82    | Resp: | 724519 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 95        | 7.1   | 5.2   | 7.8    |
| 138       | 16.8  | 14.9  | 22.3   |

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#26

2-Nitrophenol

Concen: 30.167 ng

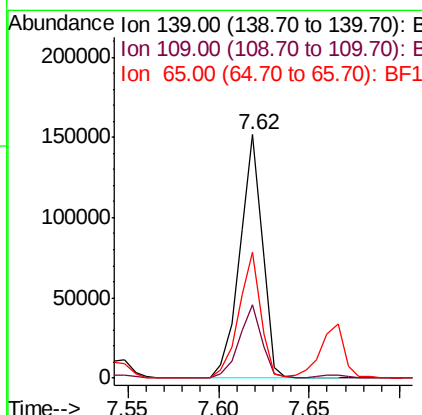
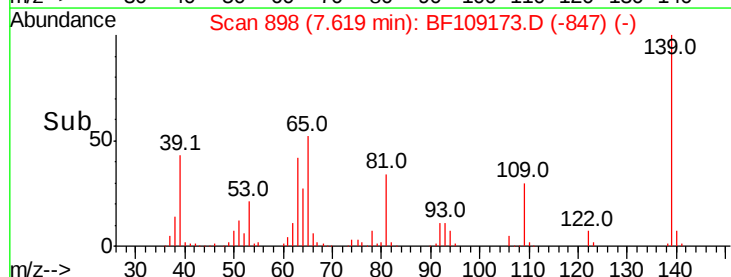
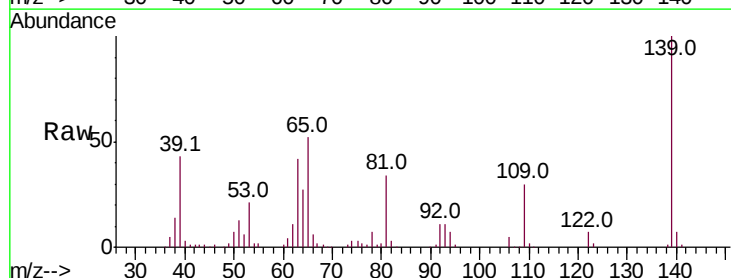
RT: 7.62 min Scan# 898

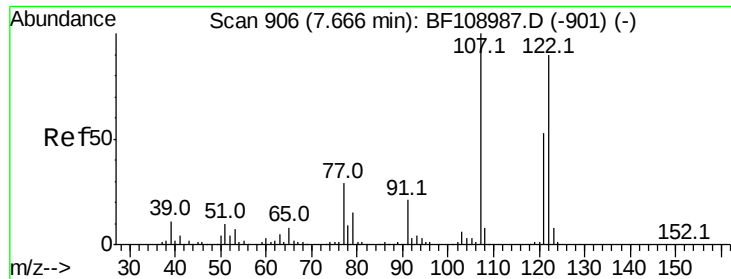
Delta R.T. -0.00 min

Lab File: BF109173.D

Acq: 20 Sep 2018 4:38

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 139   | Resp: | 130883 |
| Ion Ratio | Lower | Upper |        |
| 139       | 100   |       |        |
| 109       | 30.1  | 22.7  | 34.1   |
| 65        | 51.7  | 40.5  | 60.7   |





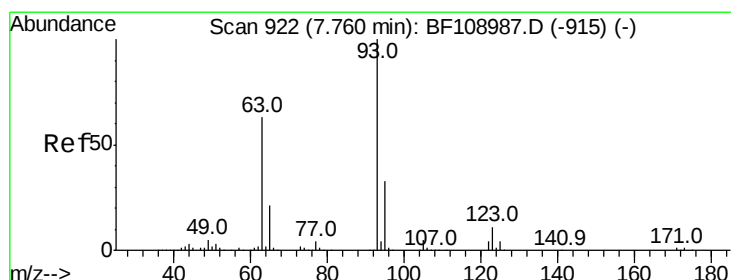
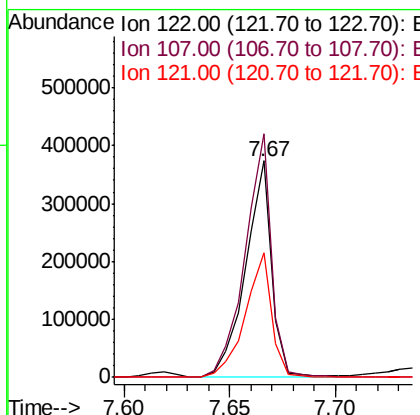
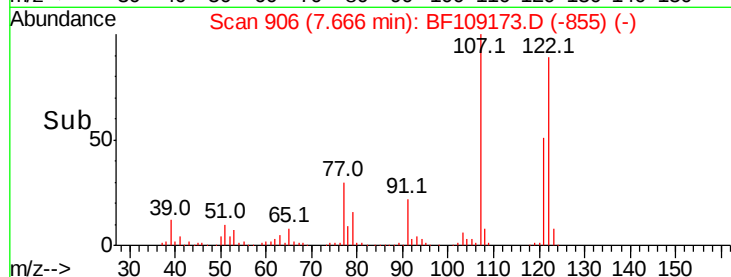
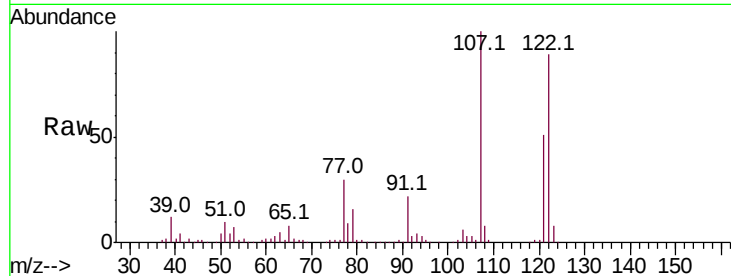
#27  
2,4-Dimethylphenol  
Concen: 47.134 ng  
RT: 7.67 min Scan# 906  
Delta R.T. -0.00 min  
Lab File: BF109173.D  
Acq: 20 Sep 2018 4:38

Instrument :  
BNA\_F  
ClientSampleId :  
PB112951BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 122     | 100   | 320779 |       |       |
| 107     | 112.7 |        | 91.2  | 136.8 |
| 121     | 57.7  |        | 47.2  | 70.8  |

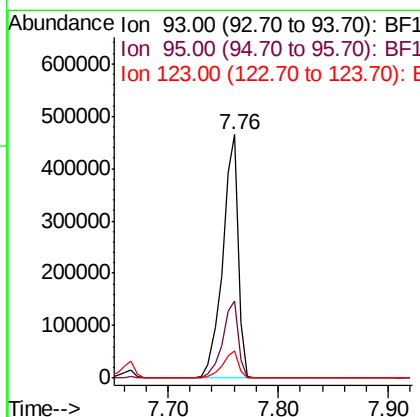
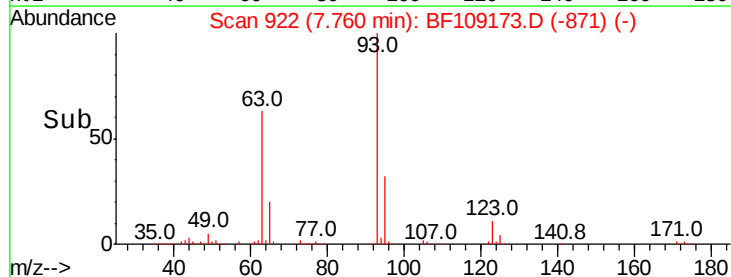
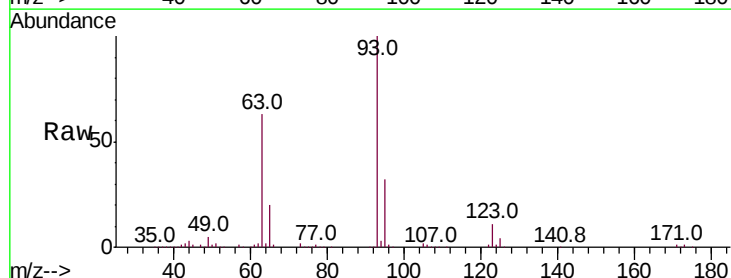
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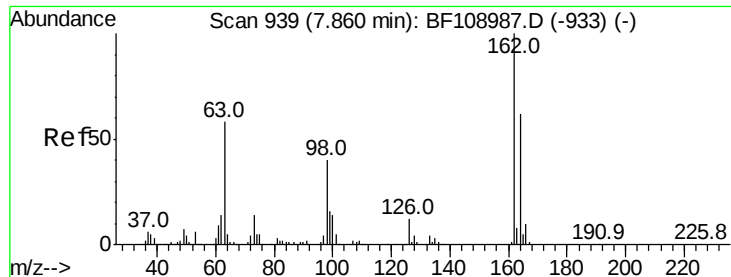
Sohil  
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#28  
bis(2-Chloroethoxy)methane  
Concen: 43.694 ng  
RT: 7.76 min Scan# 922  
Delta R.T. -0.00 min  
Lab File: BF109173.D  
Acq: 20 Sep 2018 4:38

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 93      | 100   | 455499 |       |       |
| 95      | 31.9  |        | 26.3  | 39.5  |
| 123     | 11.2  |        | 9.8   | 14.6  |





#29

2,4-Dichlorophenol

Concen: 39.096 ng

RT: 7.87 min Scan# 940

Delta R.T. 0.01 min

Lab File: BF109173.D

Acq: 20 Sep 2018 4:38

Instrument :

BNA\_F

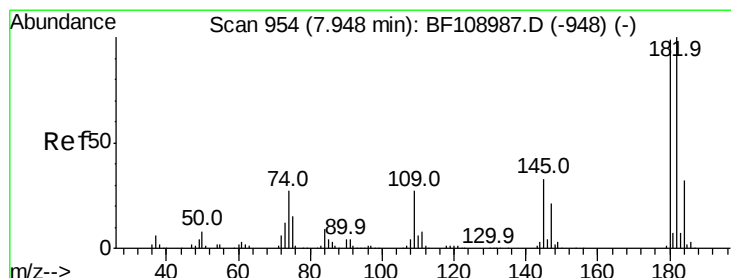
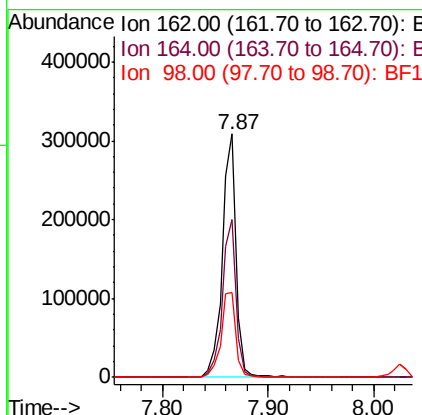
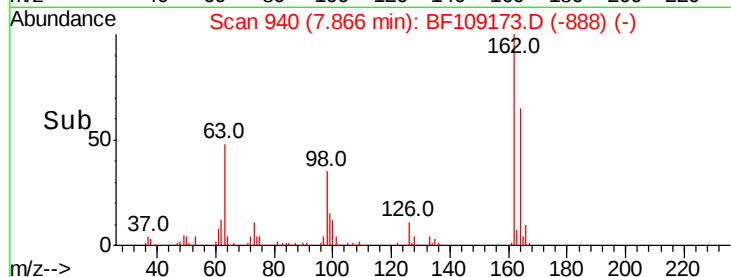
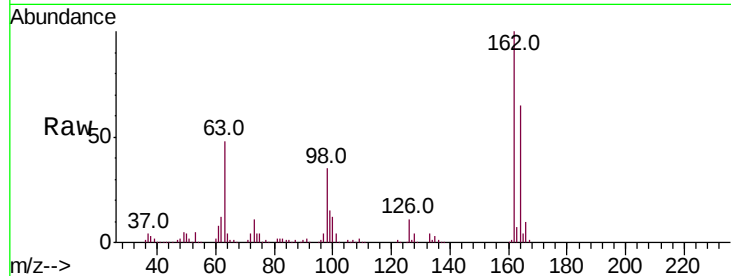
ClientSampleId :

PB112951BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 162   | Resp: | 283539 |
| Ion Ratio | Lower | Upper |        |
| 162       | 100   |       |        |
| 164       | 64.8  | 42.7  | 82.7   |
| 98        | 35.0  | 18.1  | 58.1   |

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#30

1,2,4-Trichlorobenzene

Concen: 40.782 ng

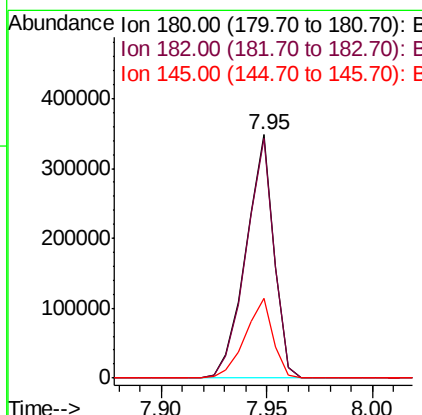
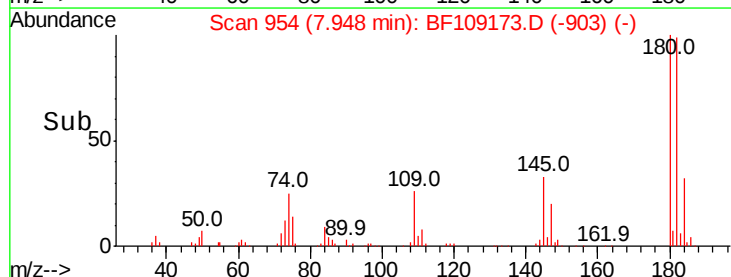
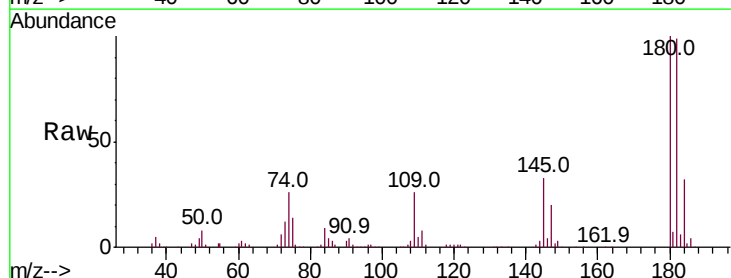
RT: 7.95 min Scan# 954

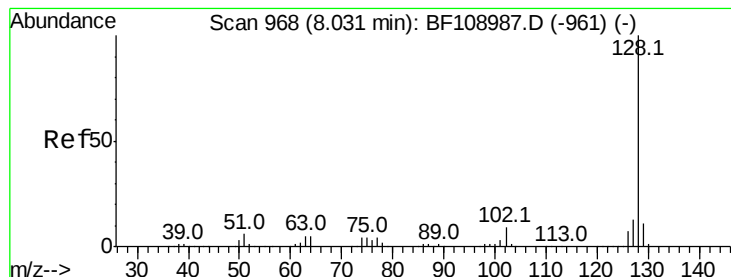
Delta R.T. -0.00 min

Lab File: BF109173.D

Acq: 20 Sep 2018 4:38

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 319711 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 98.7  | 76.8  | 115.2  |
| 145       | 32.6  | 26.5  | 39.7   |





#31

Naphthalene

Concen: 44.267 ng

RT: 8.02 min Scan# 967

Delta R.T. -0.01 min

Lab File: BF109173.D

Acq: 20 Sep 2018 4:38

Instrument :

BNA\_F

ClientSampleId :

PB112951BS

Tot Ion:128 Resp: 1038525

Ion Ratio Lower Upper

128 100

129 11.3 8.8 13.2

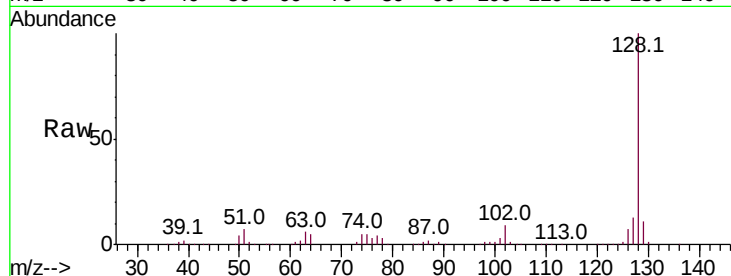
127 13.3 10.9 16.3

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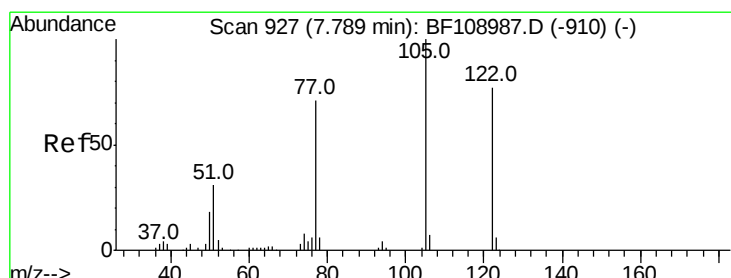
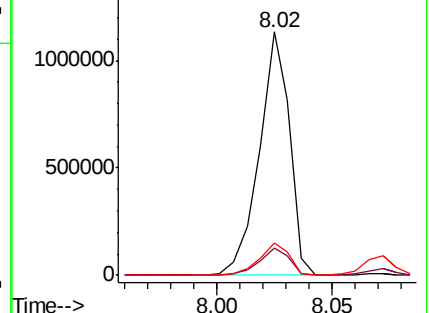
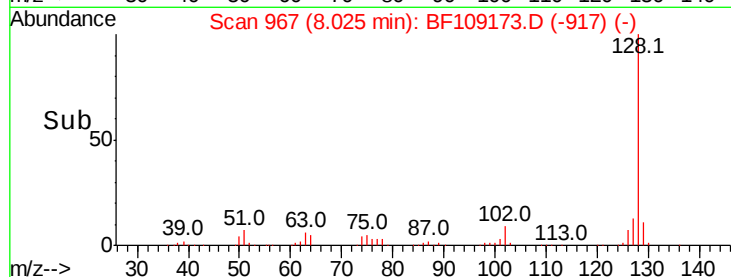
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 19.253 ng m

RT: 7.75 min Scan# 920

Delta R.T. -0.04 min

Lab File: BF109173.D

Acq: 20 Sep 2018 4:38

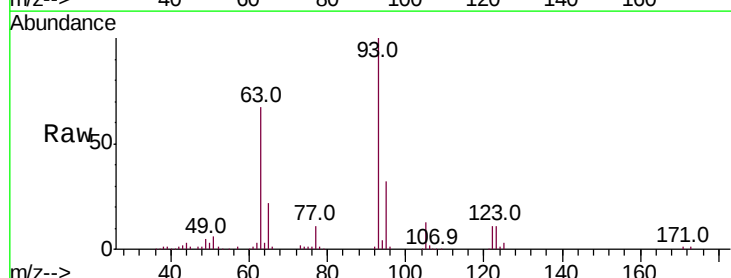
Tgt Ion:122 Resp: 85617

Ion Ratio Lower Upper

122 100

105 119.1 101.1 141.1

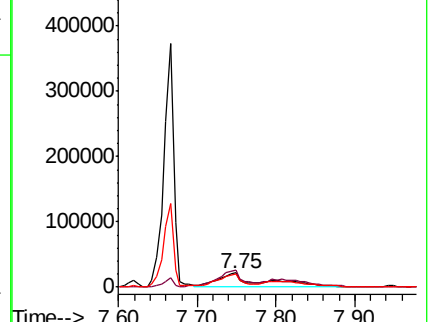
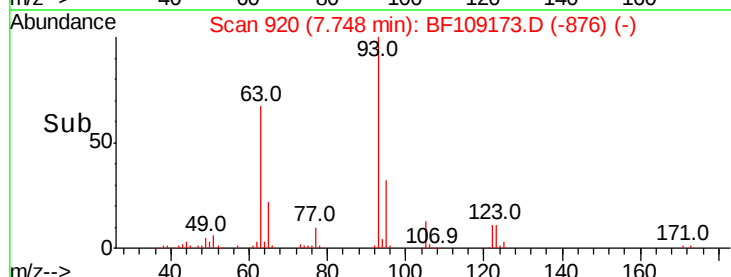
77 95.0 70.7 110.7

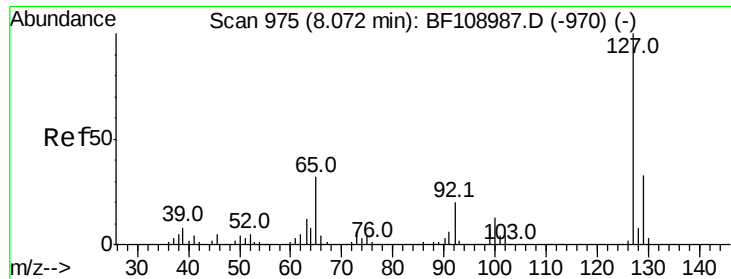


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





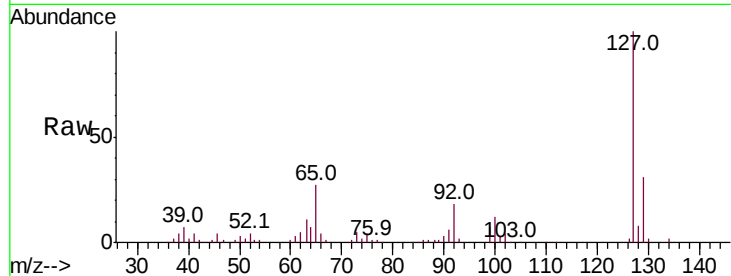
#33  
4-Chloroaniline  
Concen: 8.685 ng  
RT: 8.07 min Scan# 975  
Delta R.T. -0.00 min  
Lab File: BF109173.D  
Acq: 20 Sep 2018 4:38

Instrument :  
BNA\_F  
ClientSampleId :  
PB112951BS

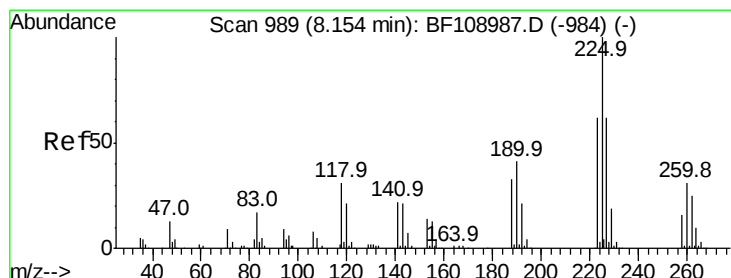
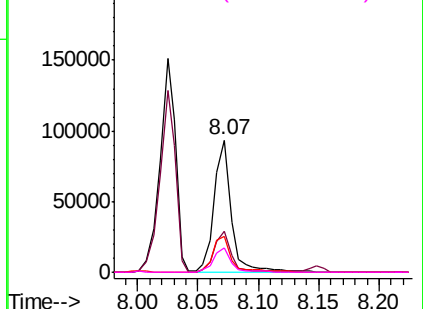
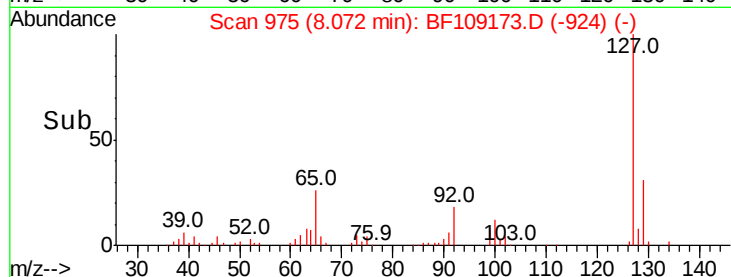
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 127     | 100   |       |       |
| 129     | 30.9  | 25.9  | 38.9  |
| 65      | 27.2  | 25.0  | 37.4  |
| 92      | 18.1  | 15.2  | 22.8  |

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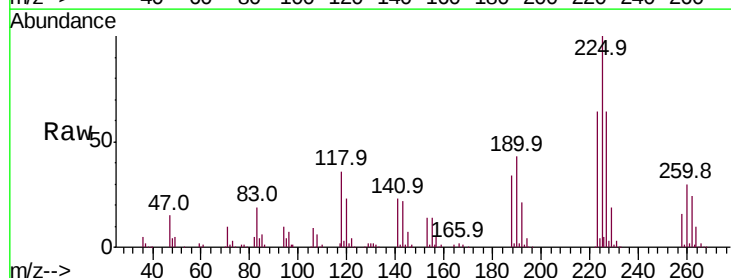


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BF1  
Ion 92.00 (91.70 to 92.70): BF1

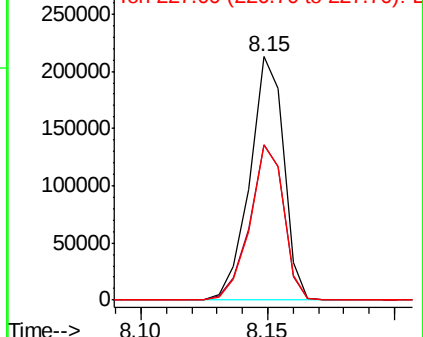
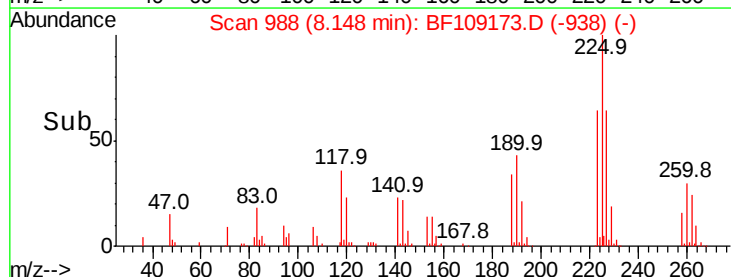


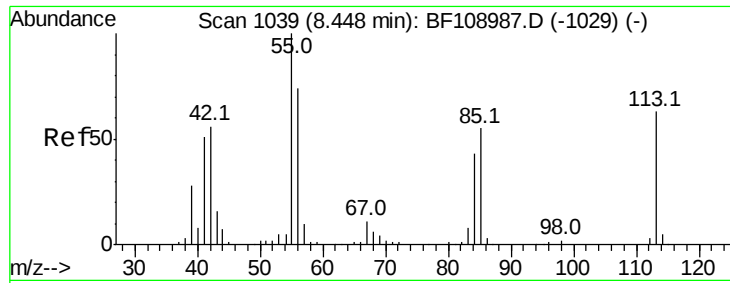
#34  
Hexachlorobutadiene  
Concen: 41.500 ng  
RT: 8.15 min Scan# 988  
Delta R.T. -0.01 min  
Lab File: BF109173.D  
Acq: 20 Sep 2018 4:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 64.0  | 50.6  | 76.0  |
| 227     | 63.7  | 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: 36.116 ng/mL

RT: 8.45 min Scan# 1039

Delta R.T. -0.00 min

Lab File: BF109173.D

Acq: 20 Sep 2018 4:38

Instrument :

BNA\_F

ClientSampleID :

PB112951BS

Tot Ion:113 Resp: 85395

Ion Ratio Lower Upper

113 100

55 154.4 163.3 203.3#

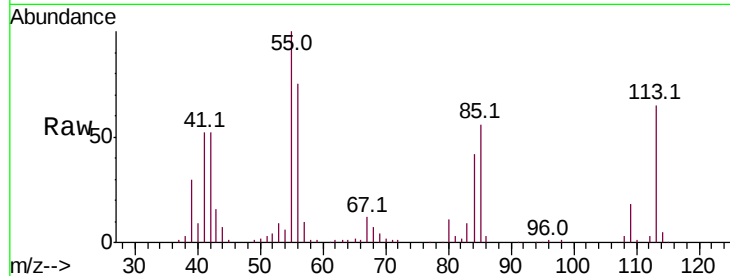
56 116.1 115.7 155.7

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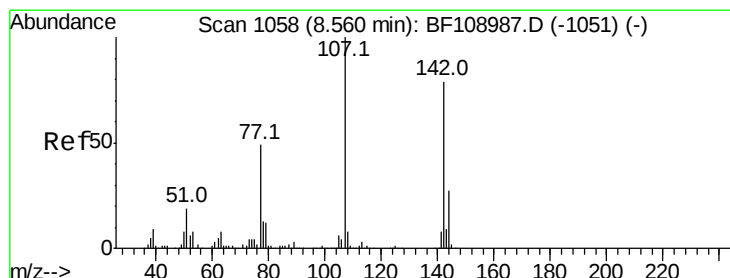
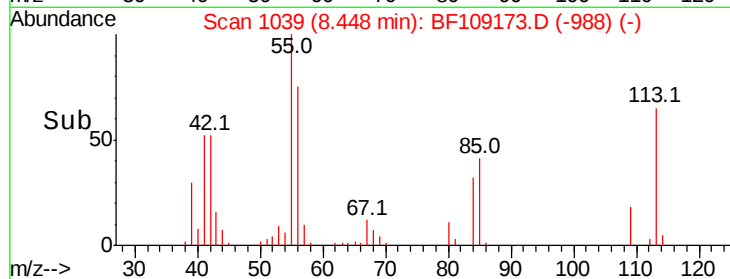
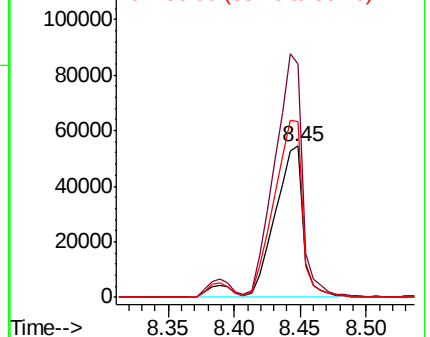
9/20/2018 10:06:53 AM



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#36

4-Chloro-3-methylphenol

Concen: 38.072 ng/mL

RT: 8.56 min Scan# 1058

Delta R.T. -0.00 min

Lab File: BF109173.D

Acq: 20 Sep 2018 4:38

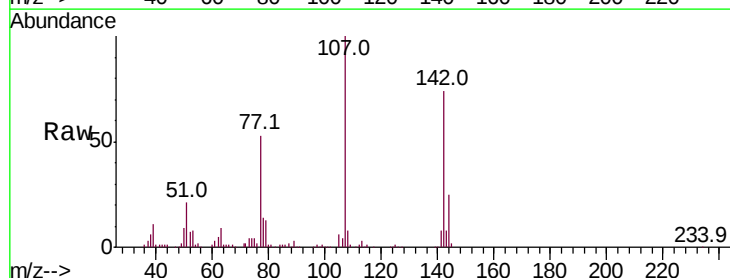
Tgt Ion:107 Resp: 290658

Ion Ratio Lower Upper

107 100

144 25.2 20.5 30.7

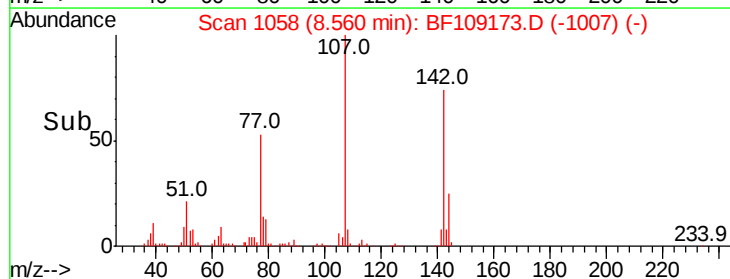
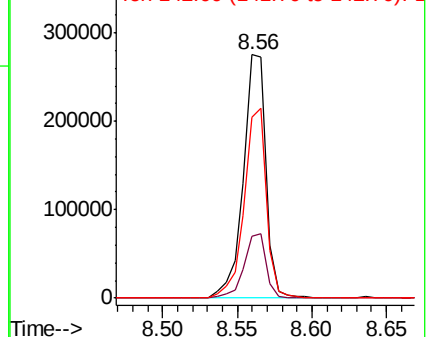
142 74.3 62.0 93.0

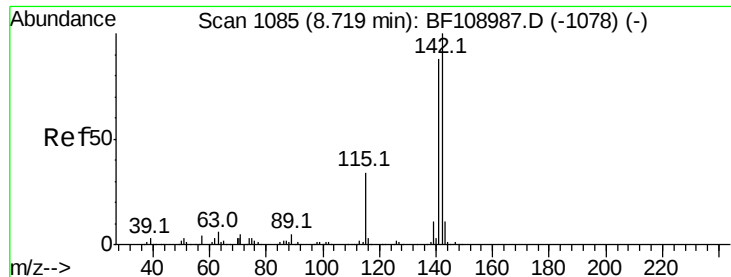


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





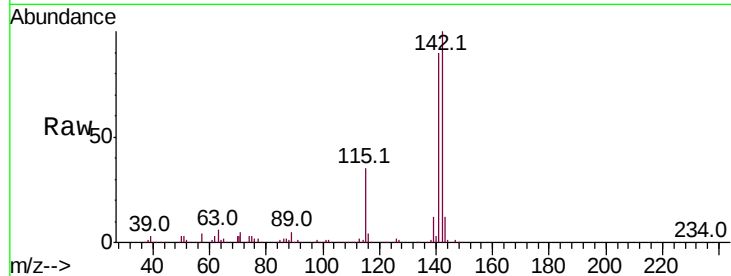
#37  
2-Methylnaphthalene  
Concen: 44.152 ng  
RT: 8.72 min Scan# 1085  
Delta R.T. -0.00 min  
Lab File: BF109173.D  
Acq: 20 Sep 2018 4:38

Instrument :  
BNA\_F  
ClientSampleId :  
PB112951BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 90.0  | 70.8  | 106.2 |
| 115     | 34.7  | 26.1  | 39.1  |

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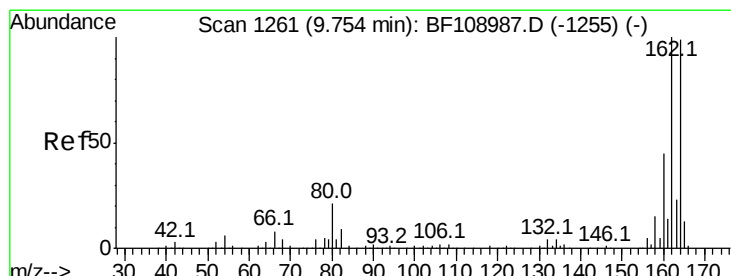
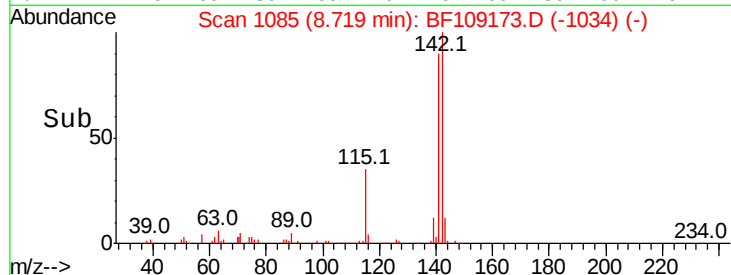
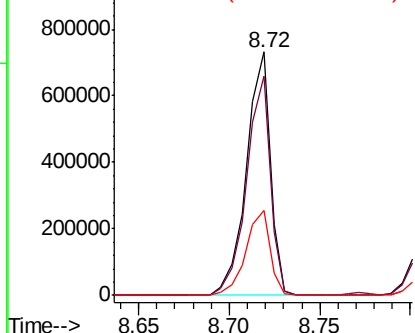


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.75 min Scan# 1261  
Delta R.T. -0.00 min  
Lab File: BF109173.D  
Acq: 20 Sep 2018 4:38

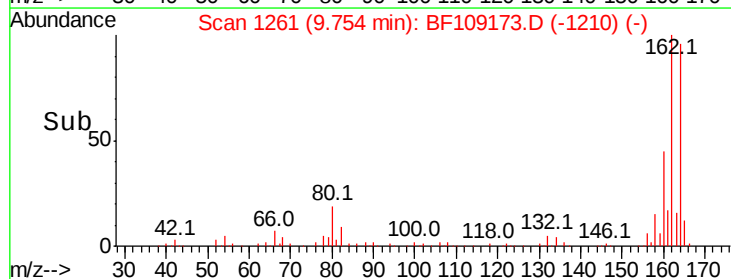
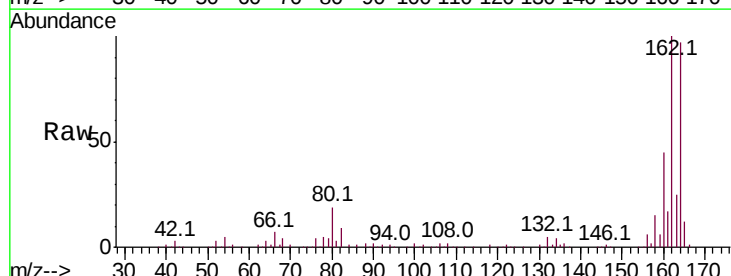
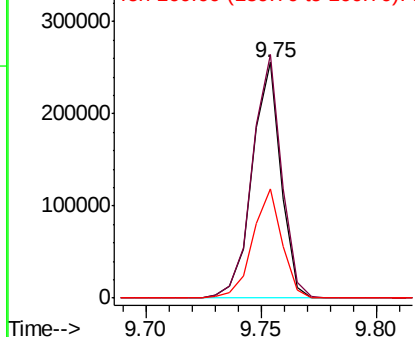
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 103.3 | 86.1  | 129.1 |
| 160     | 46.5  | 38.3  | 57.5  |

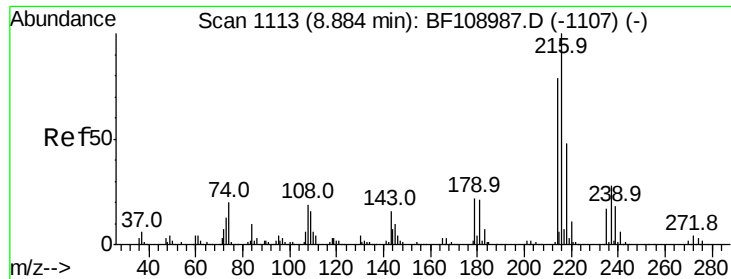
Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





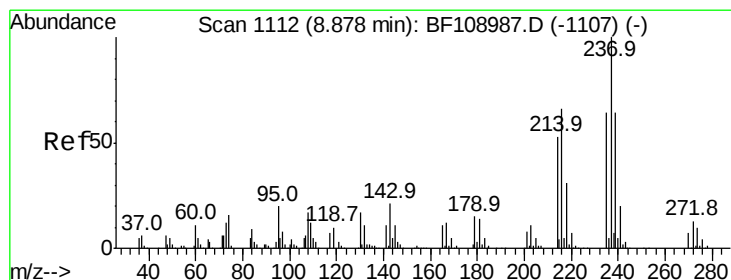
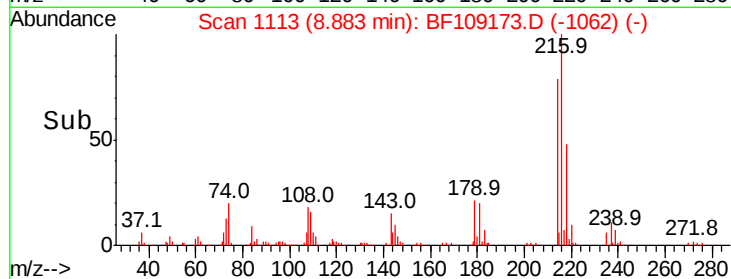
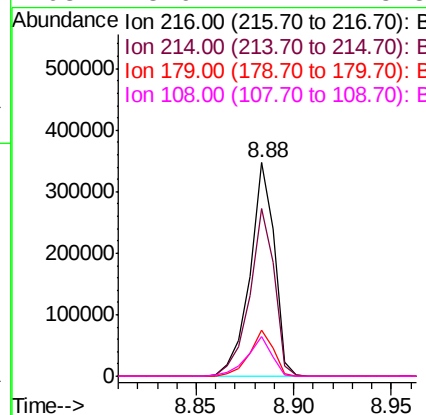
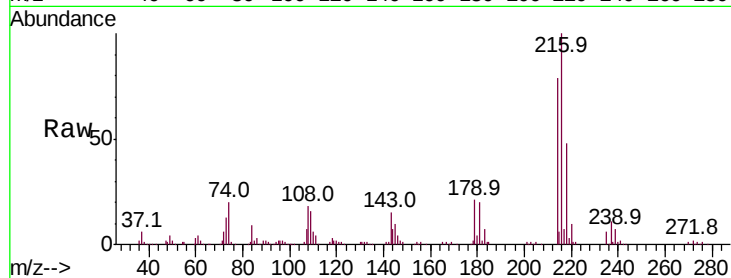
#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 43.221 ng  
 RT: 8.88 min Scan# 1113  
 Delta R.T. -0.00 min  
 Lab File: BF109173.D  
 Acq: 20 Sep 2018 4:38

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB112951BS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 216     | 100   |            |       |
| 214     | 78.7  | 63.0       | 94.4  |
| 179     | 20.9  | 18.1       | 27.1  |
| 108     | 18.9  | 17.2       | 25.8  |

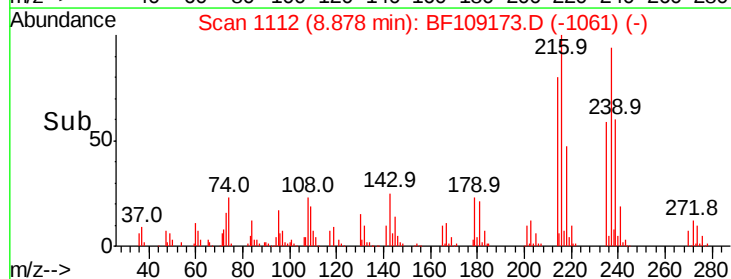
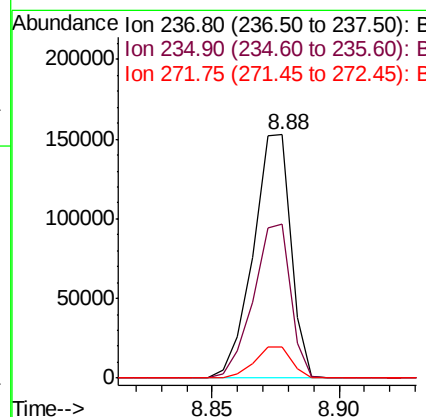
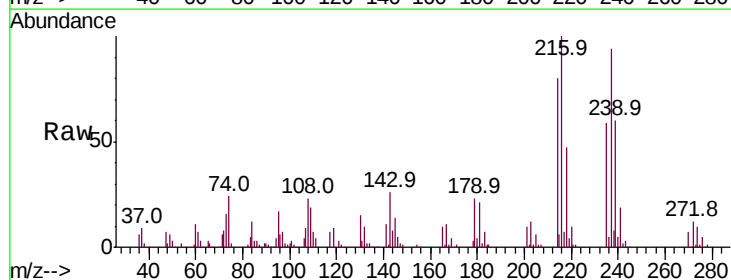
Manual Integrations  
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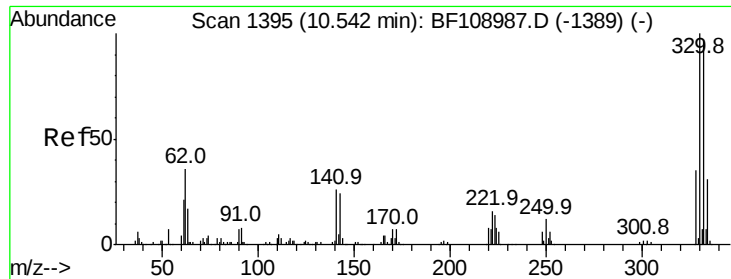
Sohil  
 9/20/2018 10:06:53 AM



#40  
 Hexachlorocyclopentadiene  
 Concen: 45.099 ng  
 RT: 8.88 min Scan# 1112  
 Delta R.T. -0.00 min  
 Lab File: BF109173.D  
 Acq: 20 Sep 2018 4:38

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 237     | 100   |            |       |
| 235     | 63.2  | 44.8       | 84.8  |
| 272     | 12.9  | 0.0        | 33.3  |





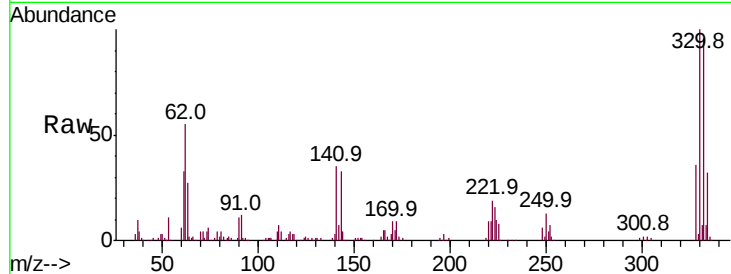
#41  
 2,4,6-Tribromophenol  
 Concen: 73.856 ng  
 RT: 10.54 min Scan# 1394  
 Delta R.T. -0.01 min  
 Lab File: BF109173.D  
 Acq: 20 Sep 2018 4:38

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB112951BS

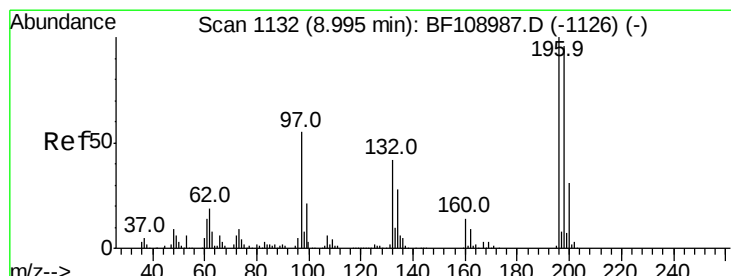
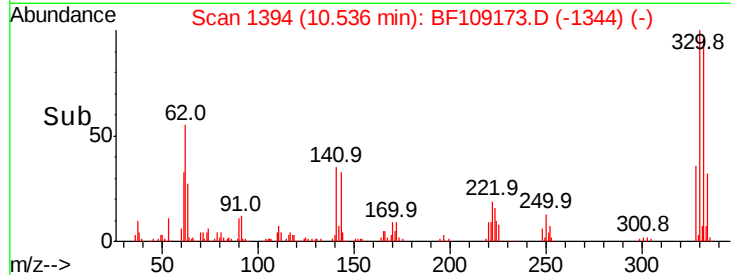
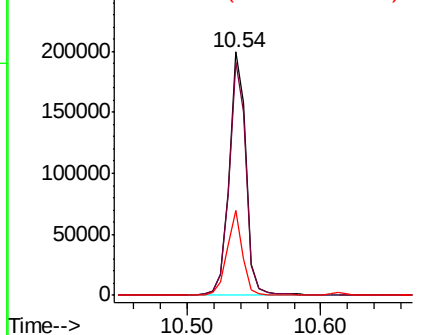
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 330     | 100   | 178172 |       |       |
| 332     | 96.3  | 77.0   | 115.6 |       |
| 141     | 31.9  | 29.9   | 44.9  |       |

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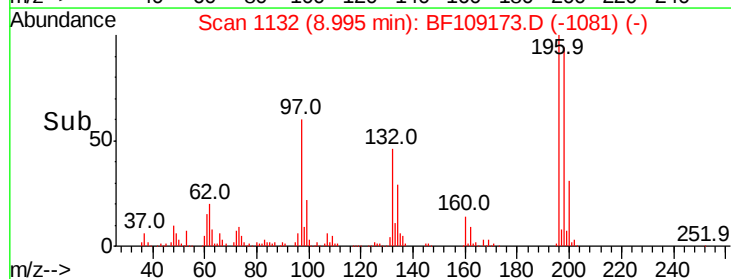
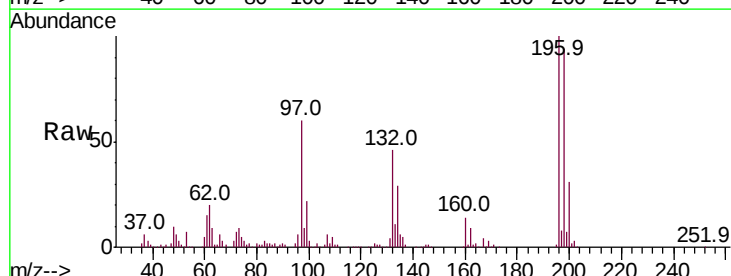
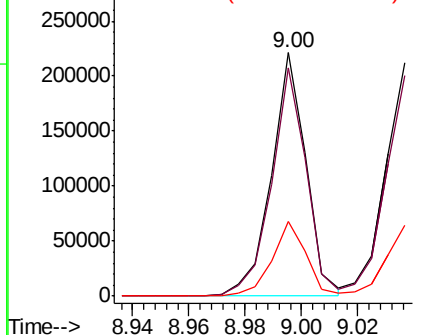
Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E



#42  
 2,4,6-Trichlorophenol  
 Concen: 39.963 ng  
 RT: 9.00 min Scan# 1132  
 Delta R.T. -0.00 min  
 Lab File: BF109173.D  
 Acq: 20 Sep 2018 4:38

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 187931 |       |       |
| 198     | 93.6  | 75.7   | 113.5 |       |
| 200     | 30.9  | 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





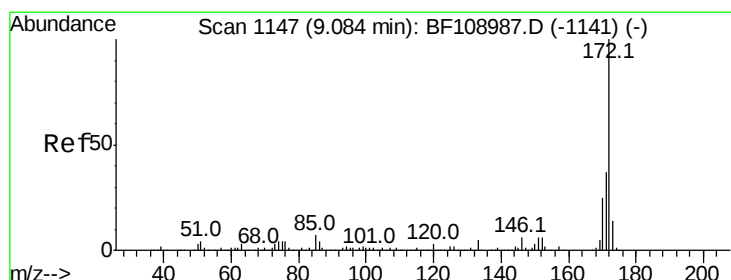
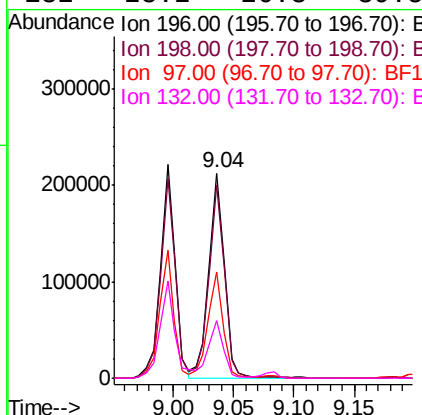
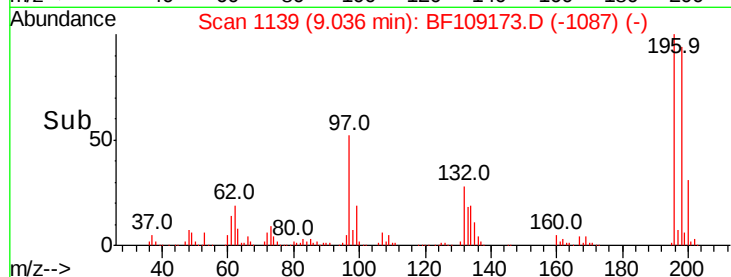
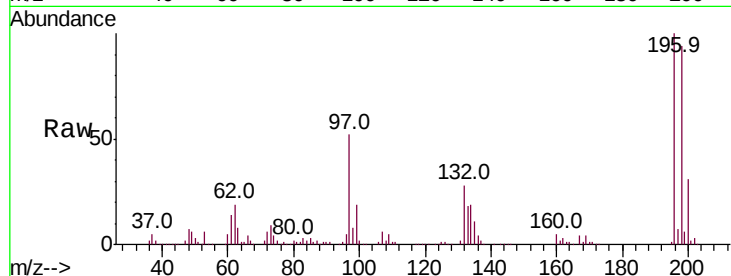
#43  
 2,4,5-Trichlorophenol  
 Concen: 39.273 ng  
 RT: 9.04 min Scan# 1139  
 Delta R.T. 0.01 min  
 Lab File: BF109173.D  
 Acq: 20 Sep 2018 4:38

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB112951BS

| Tot Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 196     | 100   |            |            |
| 198     | 94.4  | 74.6       | 112.0      |
| 97      | 51.7  | 42.9       | 64.3       |
| 132     | 28.2  | 26.3       | 39.5       |

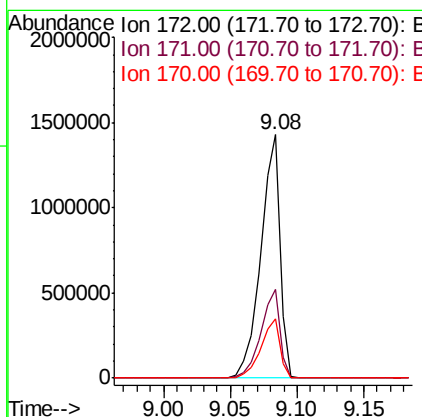
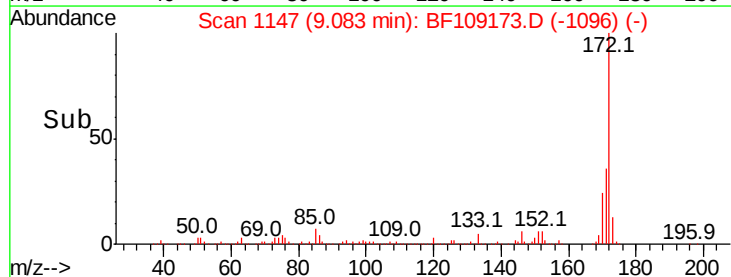
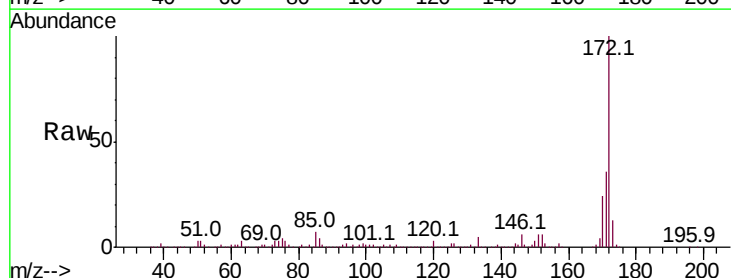
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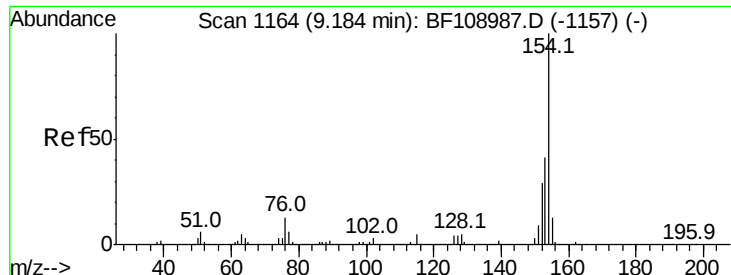
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#44  
 2-Fluorobiphenyl  
 Concen: 99.003 ng  
 RT: 9.08 min Scan# 1147  
 Delta R.T. 0.00 min  
 Lab File: BF109173.D  
 Acq: 20 Sep 2018 4:38

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 172     | 100   |            |            |
| 171     | 36.3  | 29.7       | 44.5       |
| 170     | 24.3  | 19.6       | 29.4       |





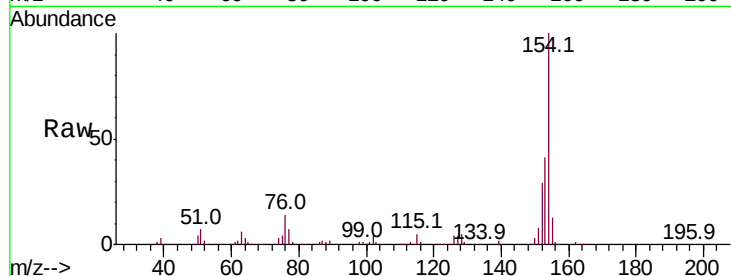
#45  
 1,1'-Biphenyl  
 Concen: 44.001 ng  
 RT: 9.18 min Scan# 1163  
 Delta R.T. -0.01 min  
 Lab File: BF109173.D  
 Acq: 20 Sep 2018 4:38

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB112951BS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 154     | 100   |            |       |
| 153     | 41.3  | 21.3       | 61.3  |
| 76      | 13.6  | 0.0        | 34.0  |

Manual Integrations  
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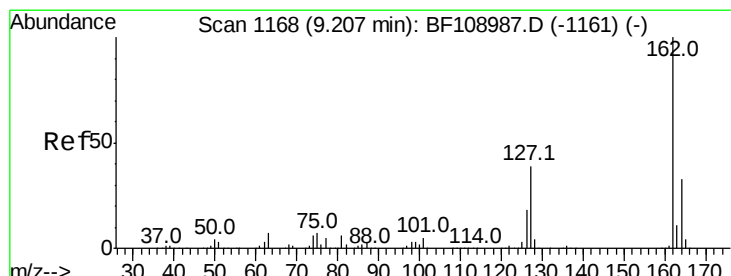
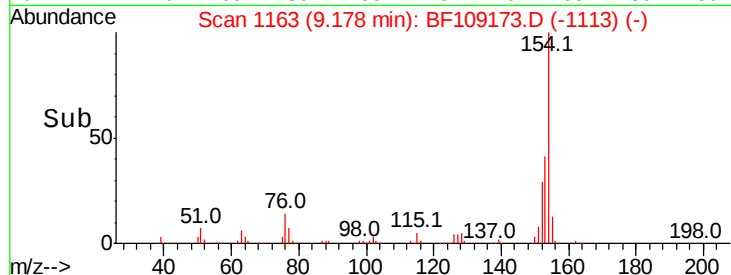
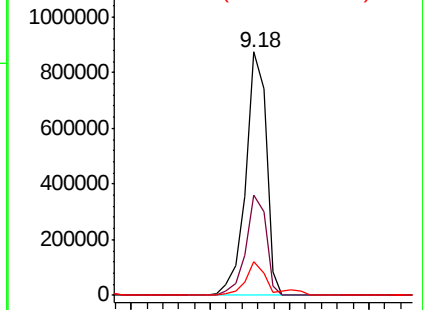


Abundance

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: 42.639 ng  
 RT: 9.20 min Scan# 1167  
 Delta R.T. -0.01 min  
 Lab File: BF109173.D  
 Acq: 20 Sep 2018 4:38

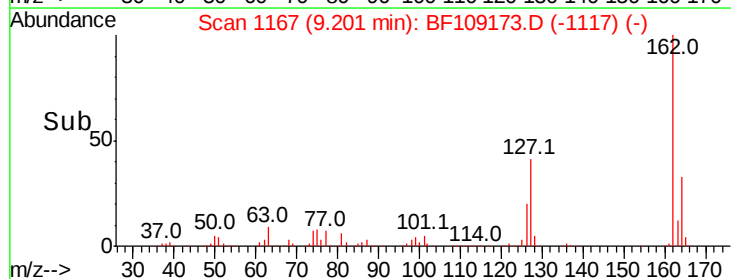
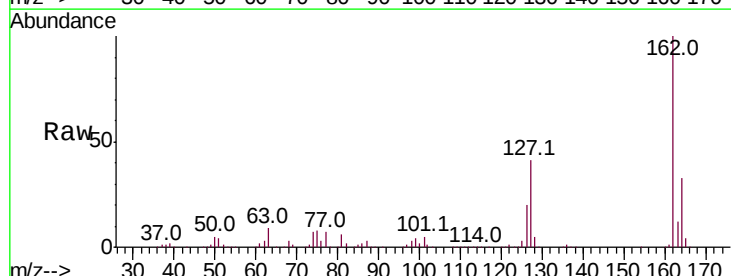
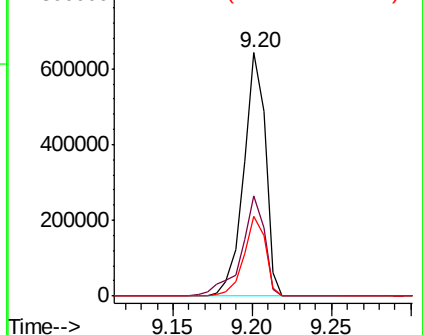
| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 162     | 100   |            |       |
| 127     | 41.3  | 33.9       | 50.9  |
| 164     | 32.9  | 26.5       | 39.7  |

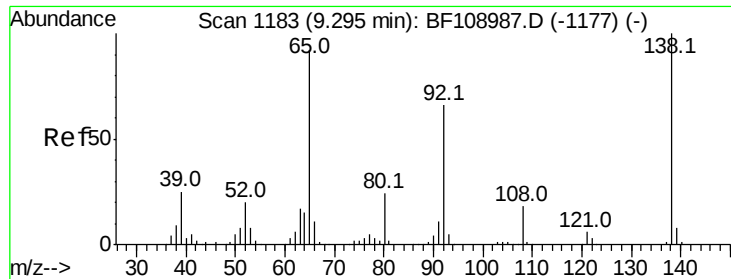
Abundance

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





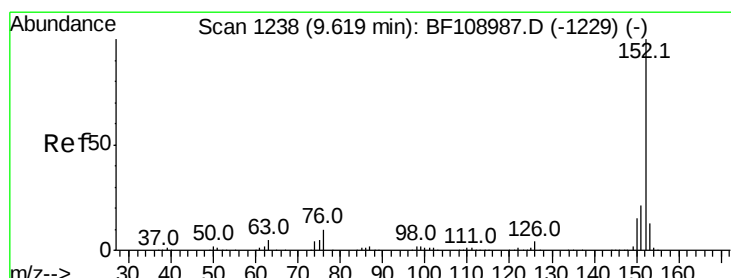
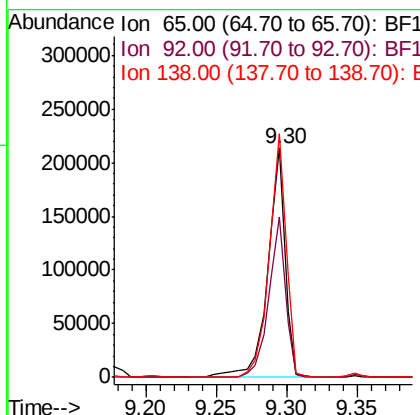
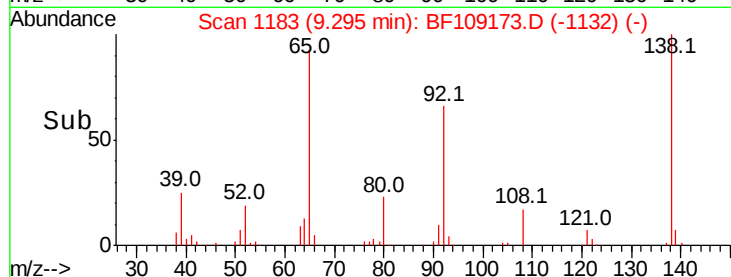
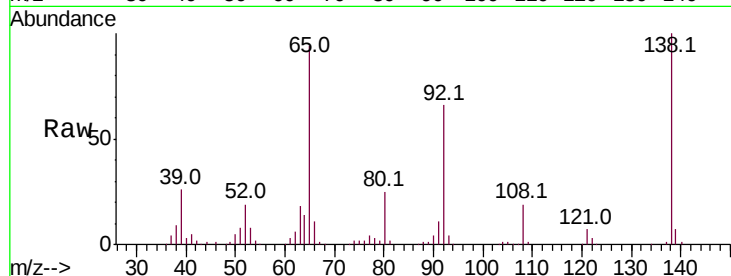
#47  
 2-Nitroaniline  
 Concen: 42.554 ng  
 RT: 9.30 min Scan# 1183  
 Delta R.T. -0.00 min  
 Lab File: BF109173.D  
 Acq: 20 Sep 2018 4:38

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB112951BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 65    | Resp: | 186325 |
| Ion Ratio | Lower | Upper |        |
| 65        | 100   |       |        |
| 92        | 70.1  | 55.8  | 83.6   |
| 138       | 106.4 | 91.2  | 136.8  |

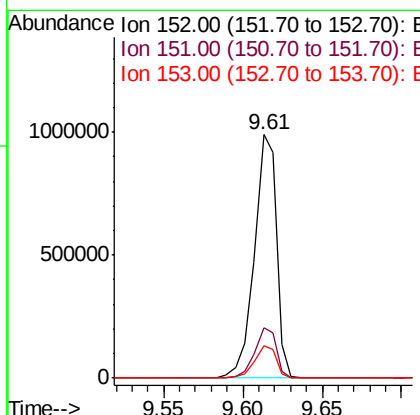
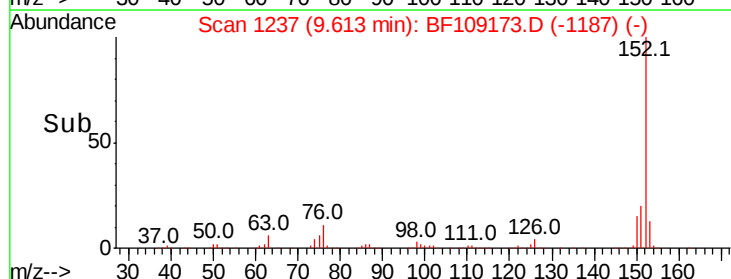
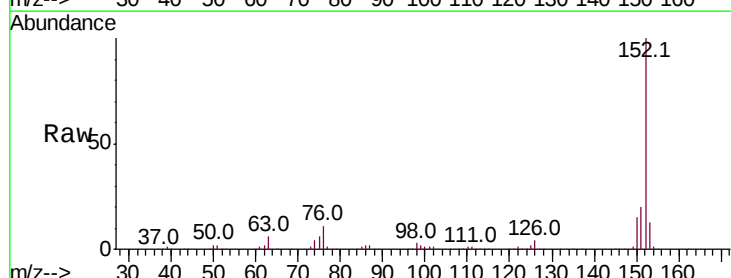
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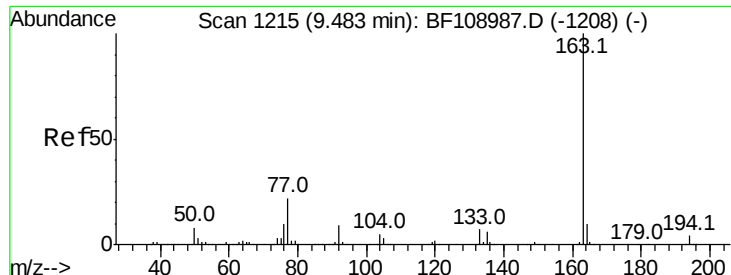
Sohil  
 9/20/2018 10:06:53 AM



#48  
 Acenaphthylene  
 Concen: 44.603 ng  
 RT: 9.61 min Scan# 1237  
 Delta R.T. -0.01 min  
 Lab File: BF109173.D  
 Acq: 20 Sep 2018 4:38

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 957786 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 151       | 20.4  | 16.3  | 24.5   |
| 153       | 13.5  | 10.7  | 16.1   |





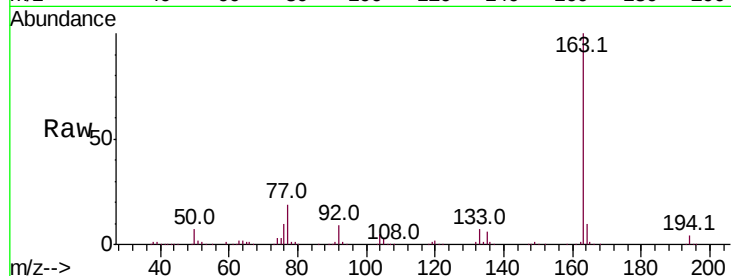
#49  
Dimethylphthalate  
Concen: 45.541 ng  
RT: 9.48 min Scan# 1215  
Delta R.T. -0.00 min  
Lab File: BF109173.D  
Acq: 20 Sep 2018 4:38

Instrument :  
BNA\_F  
ClientSampleId :  
PB112951BS

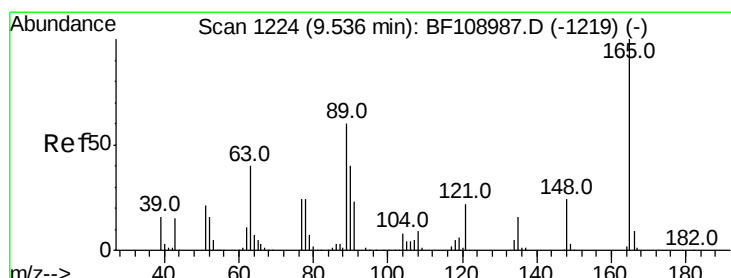
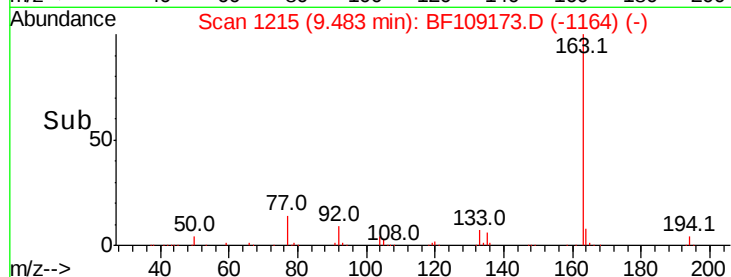
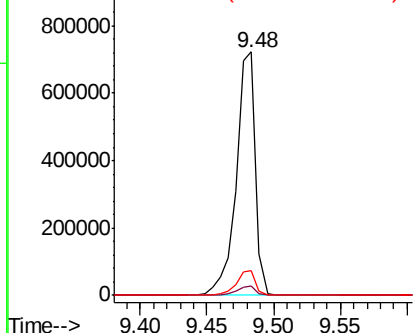
| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 163     | 100   |            |       |
| 194     | 4.1   | 2.7        | 4.1#  |
| 164     | 10.0  | 8.2        | 12.2  |

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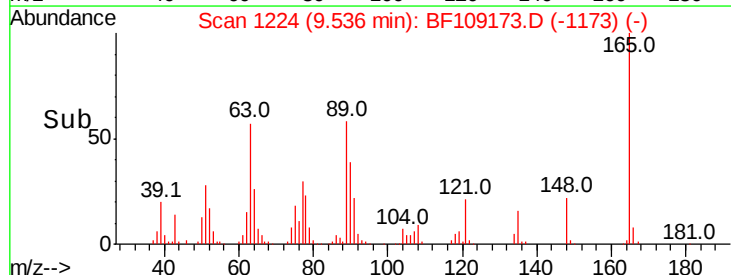
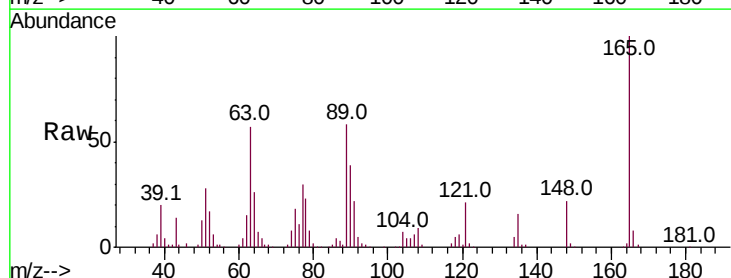
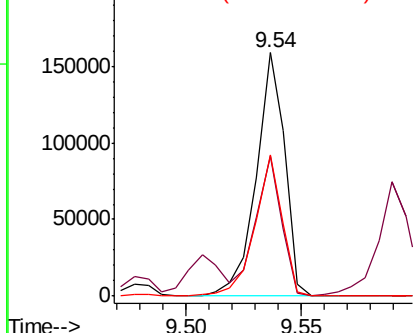
Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

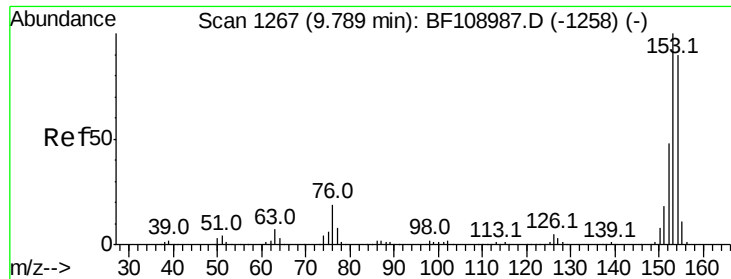


#50  
2,6-Dinitrotoluene  
Concen: 38.990 ng  
RT: 9.54 min Scan# 1224  
Delta R.T. -0.00 min  
Lab File: BF109173.D  
Acq: 20 Sep 2018 4:38

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 165     | 100   |            |       |
| 63      | 57.3  | 44.7       | 67.1  |
| 89      | 57.8  | 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





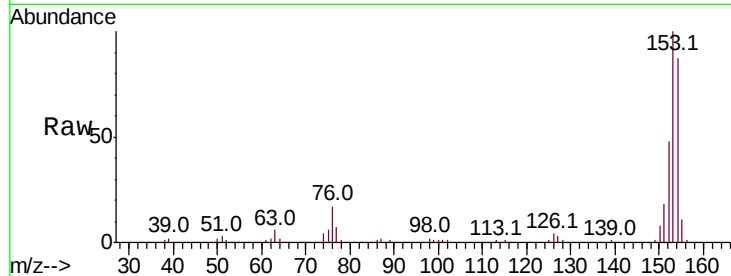
#51  
Acenaphthene  
Concen: 41.182 ng  
RT: 9.79 min Scan# 1267  
Delta R.T. -0.00 min  
Lab File: BF109173.D  
Acq: 20 Sep 2018 4:38

Instrument :  
BNA\_F  
ClientSampleId :  
PB112951BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 114.5 | 91.2  | 136.8 |
| 152     | 54.5  | 43.8  | 65.8  |

Manual Integrations  
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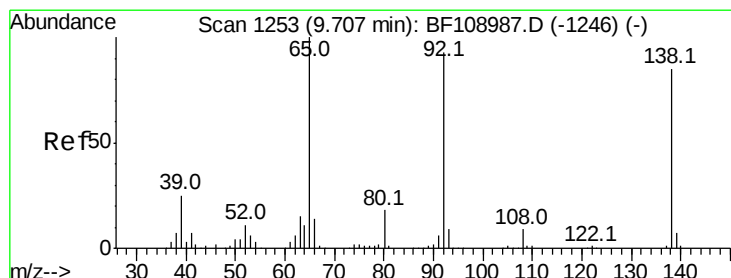
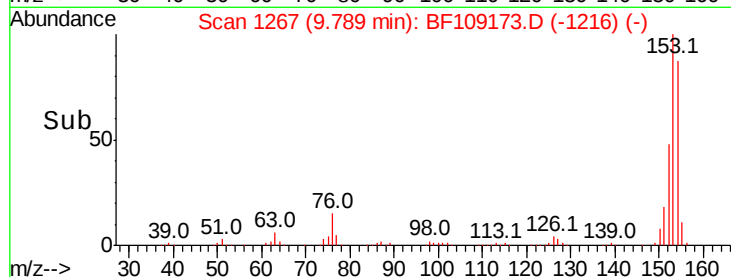
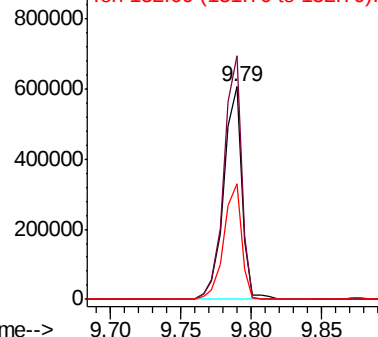


Abundance

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: 32.434 ng  
RT: 9.70 min Scan# 1252  
Delta R.T. -0.01 min  
Lab File: BF109173.D  
Acq: 20 Sep 2018 4:38

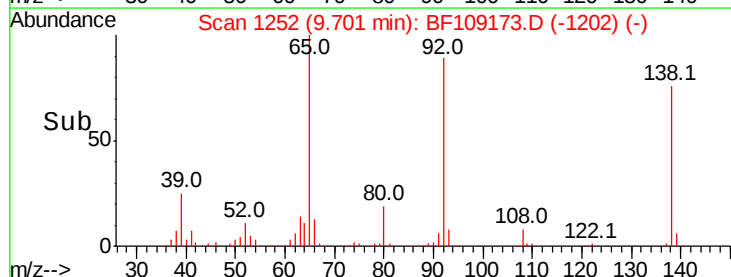
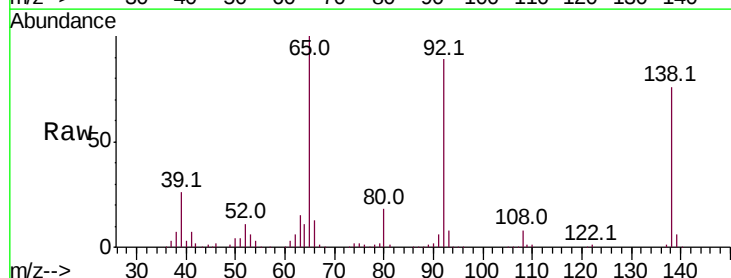
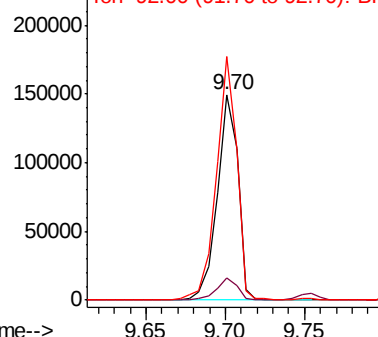
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 108     | 10.6  | 9.4   | 14.0  |
| 92      | 118.3 | 89.4  | 134.2 |

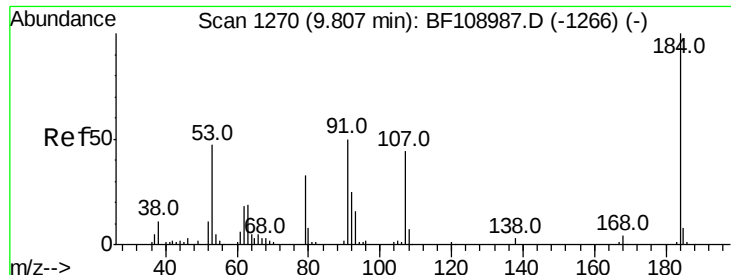
Abundance

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





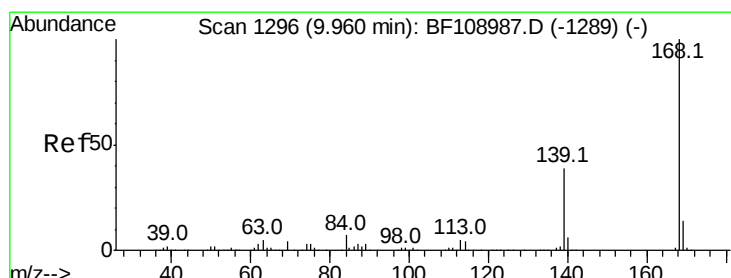
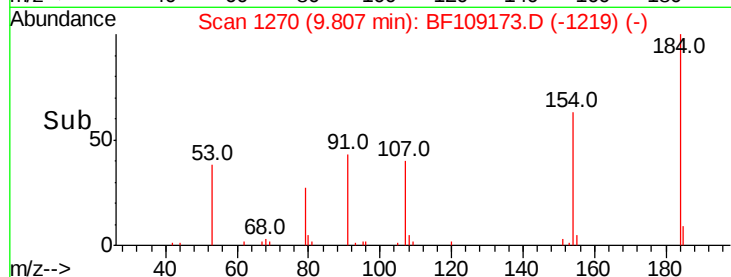
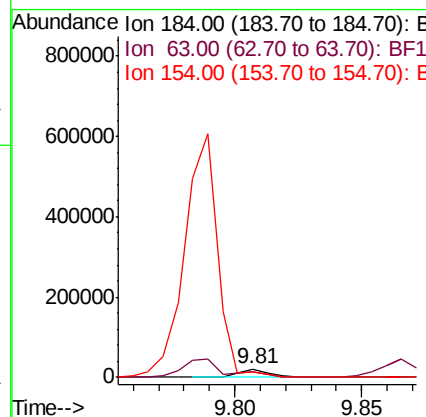
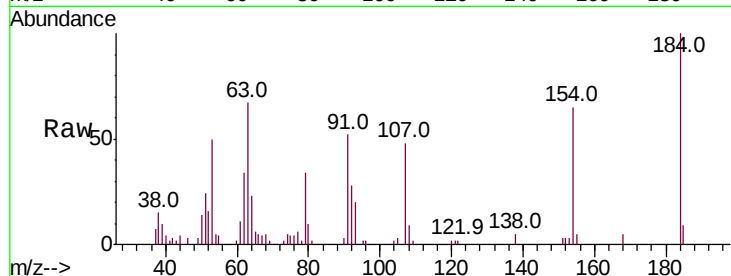
#53  
2,4-Dinitrophenol  
Concen: 12.809 ng  
RT: 9.81 min Scan# 1270  
Delta R.T. -0.00 min  
Lab File: BF109173.D  
Acq: 20 Sep 2018 4:38

Instrument :  
BNA\_F  
ClientSampleId :  
PB112951BS

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 184     | 100   |       |        |
| 63      | 67.4  | 54.2  | 81.2   |
| 154     | 65.3  | 184.0 | 276.0# |

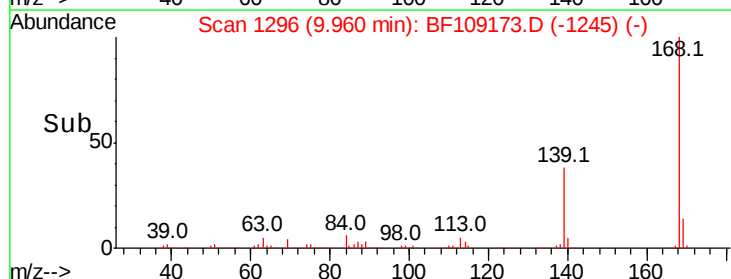
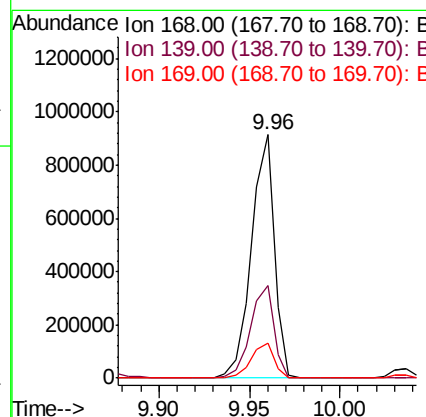
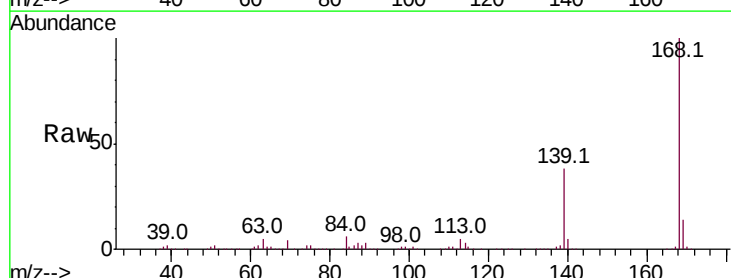
Manual Integrations  
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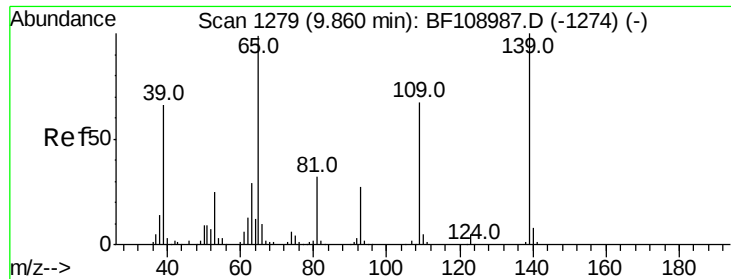
Sohil  
9/20/2018 10:06:53 AM



#54  
Dibenzofuran  
Concen: 41.689 ng  
RT: 9.96 min Scan# 1296  
Delta R.T. -0.00 min  
Lab File: BF109173.D  
Acq: 20 Sep 2018 4:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 38.0  | 30.1  | 45.1  |
| 169     | 14.2  | 10.9  | 16.3  |





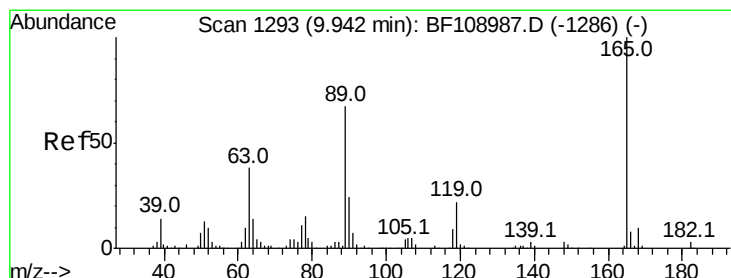
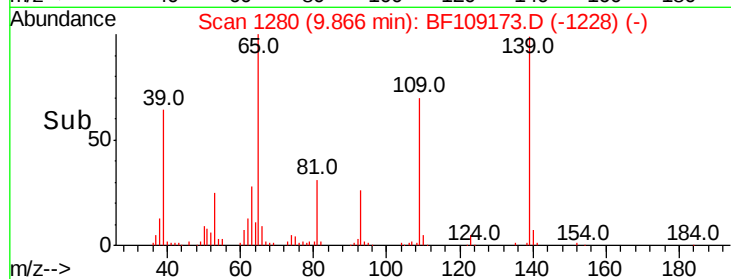
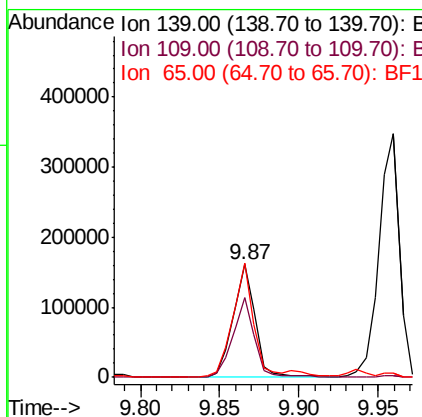
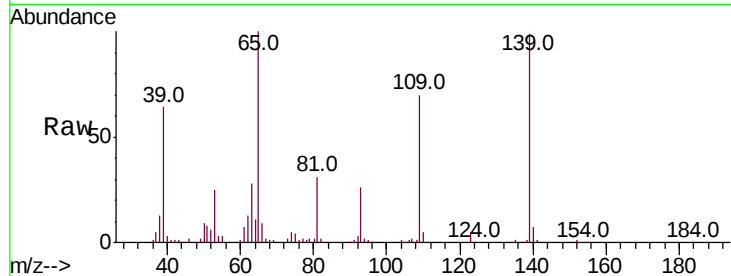
#55  
4-Nitrophenol  
Concen: 51.494 ng  
RT: 9.87 min Scan# 1280  
Delta R.T. 0.01 min  
Lab File: BF109173.D  
Acq: 20 Sep 2018 4:38

Instrument :  
BNA\_F  
ClientSampleId :  
PB112951BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 139     | 100   | 157407 |       |       |
| 109     | 70.7  | 48.4   | 88.4  |       |
| 65      | 101.4 | 72.6   | 112.6 |       |

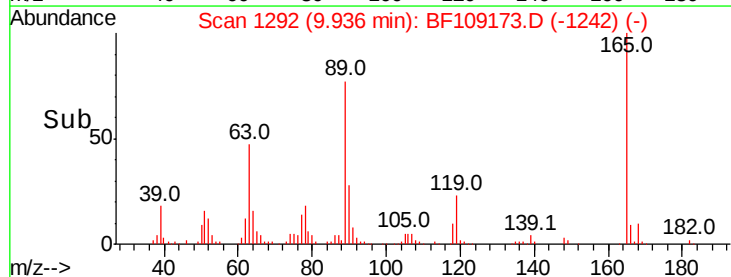
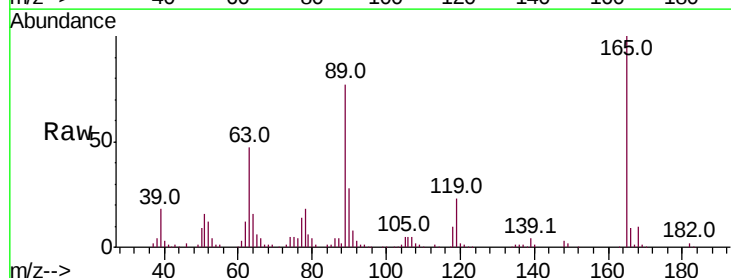
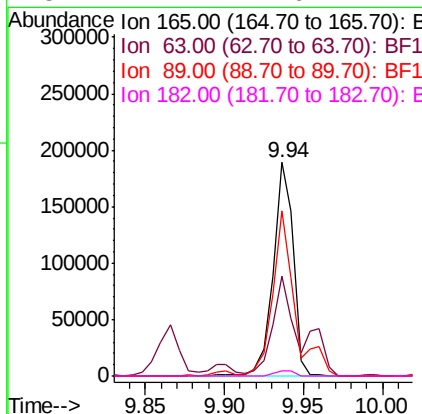
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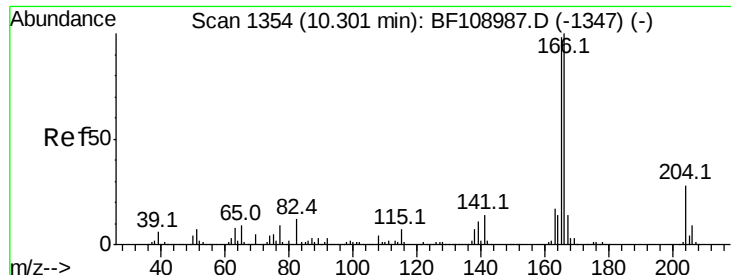
Sohil  
9/20/2018 10:06:53 AM



#56  
2,4-Dinitrotoluene  
Concen: 36.150 ng  
RT: 9.94 min Scan# 1292  
Delta R.T. -0.01 min  
Lab File: BF109173.D  
Acq: 20 Sep 2018 4:38

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 165     | 100   | 166576 |       |       |
| 63      | 46.8  | 36.4   | 54.6  |       |
| 89      | 77.3  | 57.8   | 86.6  |       |
| 182     | 2.4   | 1.6    | 2.4   |       |





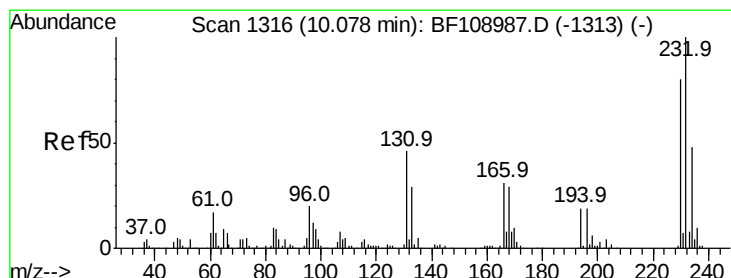
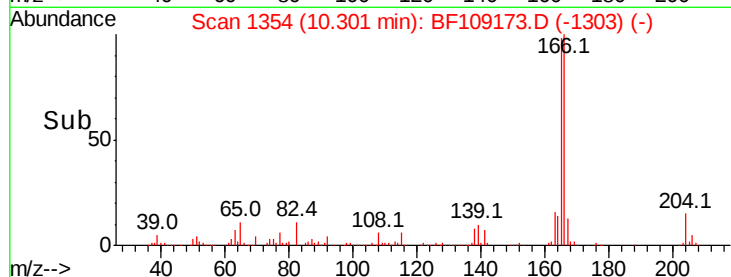
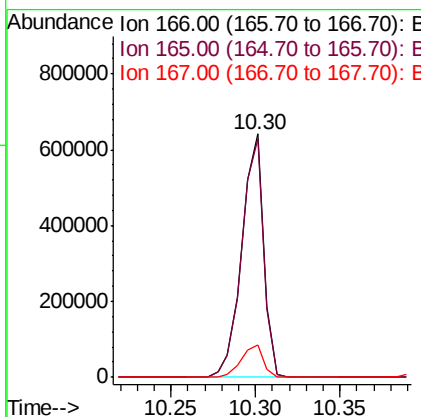
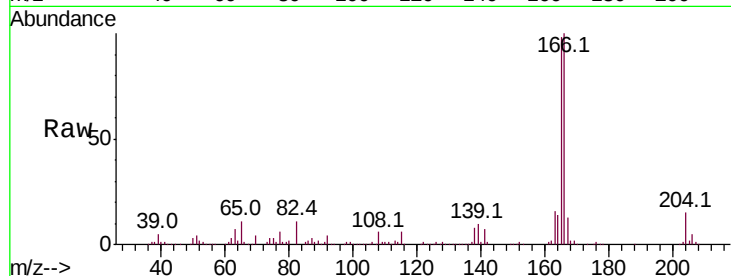
#57  
**Fluorene**  
 Concen: 45.153 ng  
 RT: 10.30 min Scan# 1354  
 Delta R.T. 0.00 min  
 Lab File: BF109173.D  
 Acq: 20 Sep 2018 4:38

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB112951BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 166     | 100   |      |       |       |
| 165     | 98.2  | 79.8 | 119.8 |       |
| 167     | 13.1  | 10.6 | 16.0  |       |

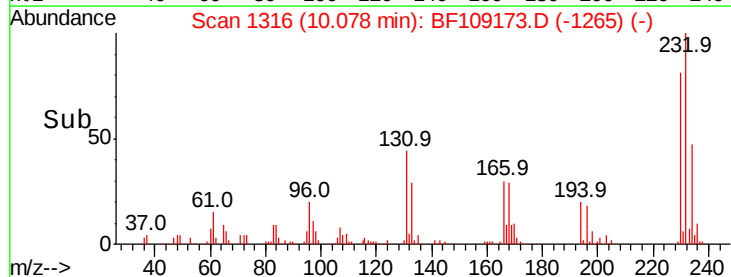
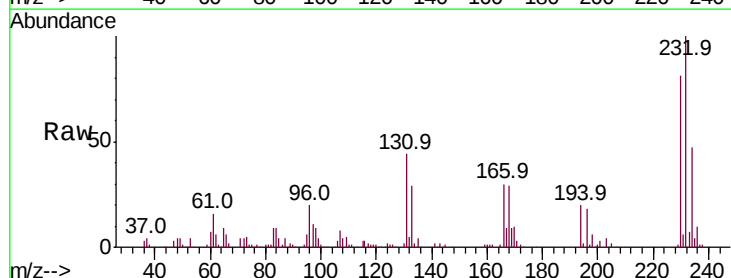
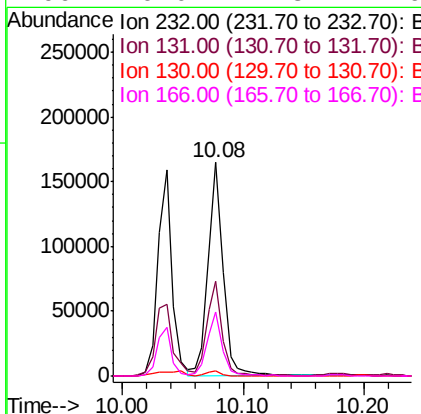
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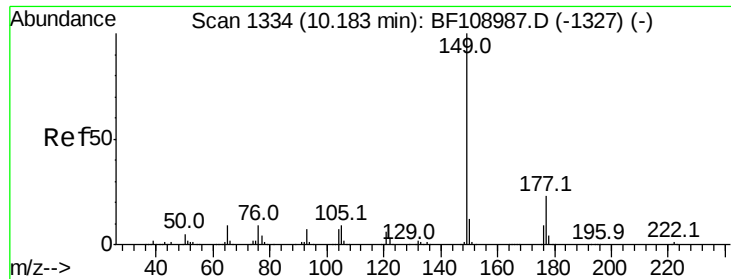
Sohil  
 9/20/2018 10:06:53 AM



#58  
**2,3,4,6-Tetrachlorophenol**  
 Concen: 35.047 ng  
 RT: 10.08 min Scan# 1316  
 Delta R.T. -0.00 min  
 Lab File: BF109173.D  
 Acq: 20 Sep 2018 4:38

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 232     | 100   |      |       |       |
| 131     | 43.7  | 43.8 | 65.8# |       |
| 130     | 2.2   | 2.1  | 3.1   |       |
| 166     | 29.0  | 27.8 | 41.6  |       |





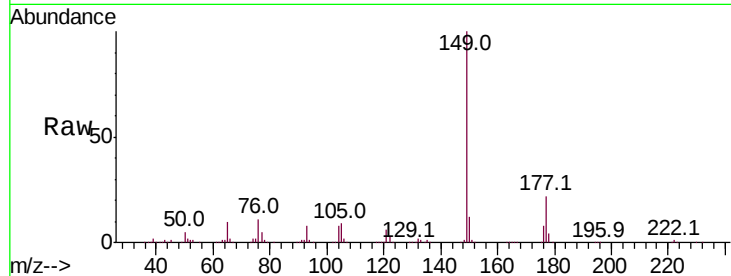
#59  
Diethylphthalate  
Concen: 43.751 ng  
RT: 10.18 min Scan# 1333  
Delta R.T. -0.01 min  
Lab File: BF109173.D  
Acq: 20 Sep 2018 4:38

Instrument :  
BNA\_F  
ClientSampleID :  
PB112951BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 701936 |       |       |
| 177     | 21.6  |        | 16.1  | 24.1  |
| 150     | 12.5  |        | 10.1  | 15.1  |

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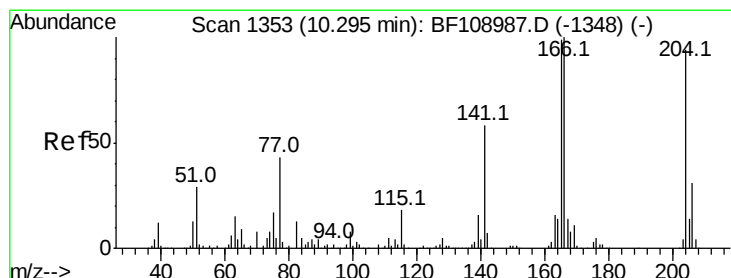
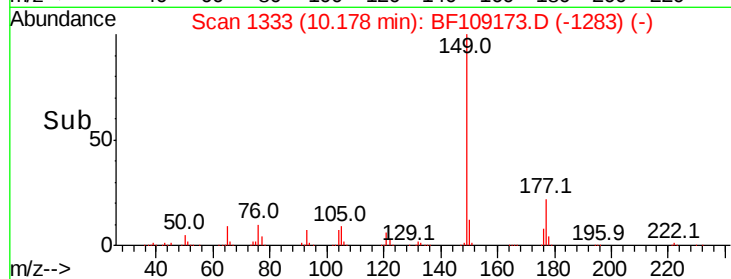
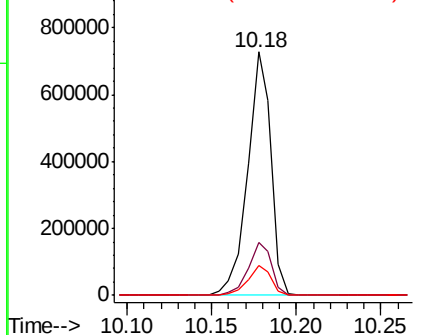


Abundance

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: 41.335 ng  
RT: 10.30 min Scan# 1353  
Delta R.T. 0.00 min  
Lab File: BF109173.D  
Acq: 20 Sep 2018 4:38

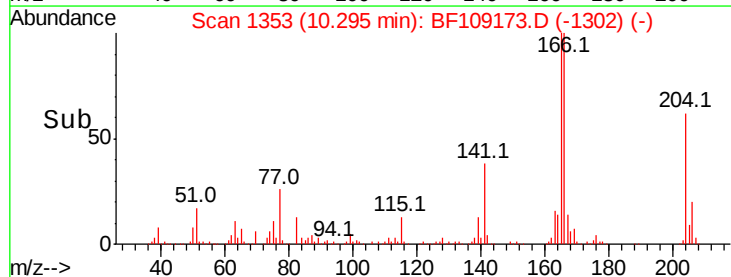
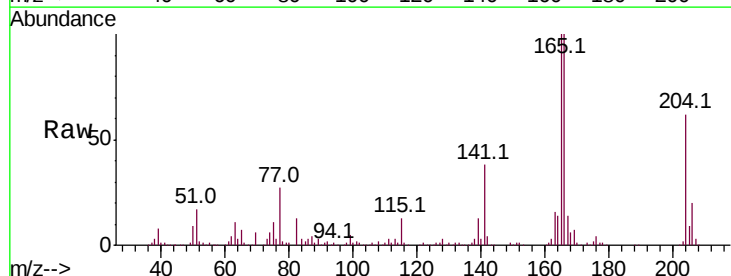
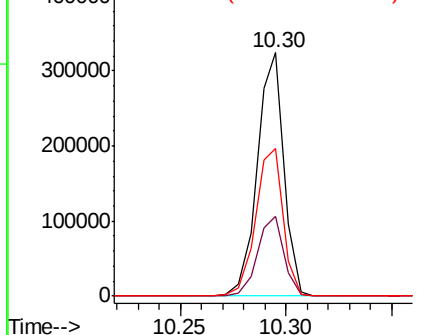
| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 204     | 100   | 285009 |       |       |
| 206     | 32.8  |        | 26.5  | 39.7  |
| 141     | 60.9  |        | 54.6  | 81.8  |

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: 36.236 ng

RT: 10.31 min Scan# 1356

Delta R.T. -0.01 min

Lab File: BF109173.D

Acq: 20 Sep 2018 4:38

Instrument :

BNA\_F

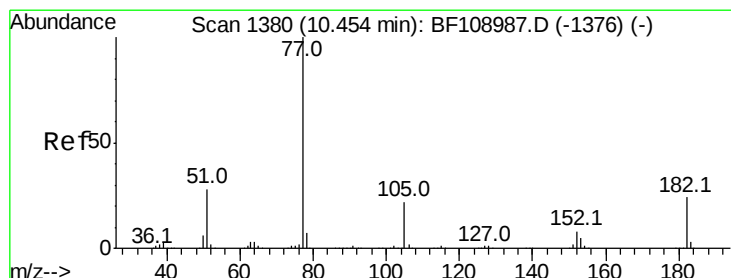
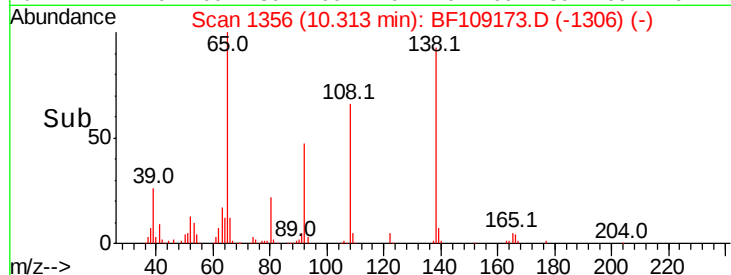
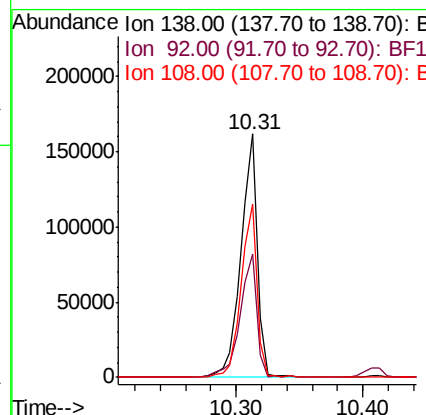
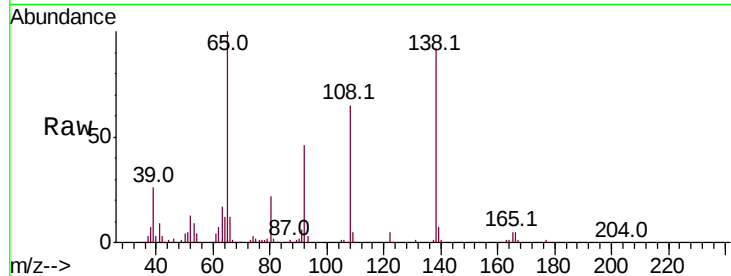
ClientSampleId :

PB112951BS

|             |       |        |
|-------------|-------|--------|
| Tot Ion:138 | Resp: | 142834 |
| Ion Ratio   | Lower | Upper  |
| 138 100     |       |        |
| 92 50.4     | 30.2  | 70.2   |
| 108 70.9    | 52.5  | 92.5   |

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#62

Azobenzene

Concen: 39.928 ng

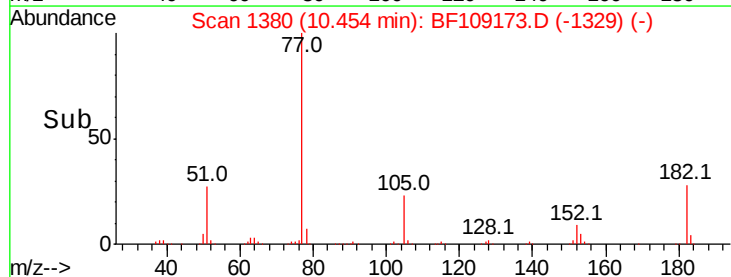
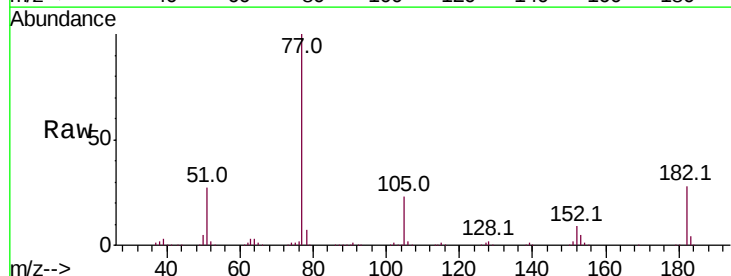
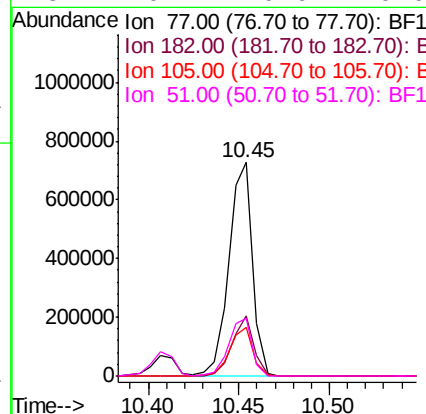
RT: 10.45 min Scan# 1380

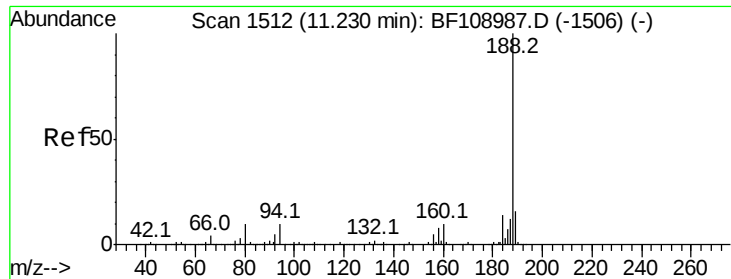
Delta R.T. -0.00 min

Lab File: BF109173.D

Acq: 20 Sep 2018 4:38

|             |       |        |
|-------------|-------|--------|
| Tgt Ion: 77 | Resp: | 655736 |
| Ion Ratio   | Lower | Upper  |
| 77 100      |       |        |
| 182 28.1    | 1.7   | 41.7   |
| 105 22.8    | 3.0   | 43.0   |
| 51 26.7     | 9.9   | 49.9   |





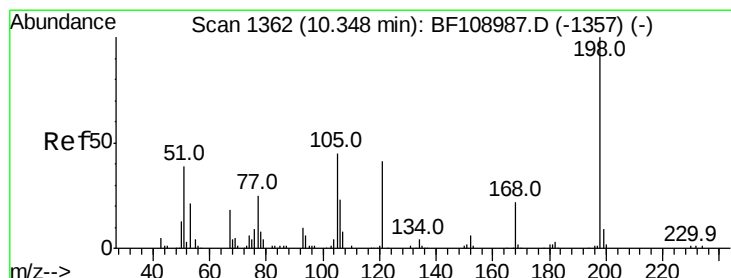
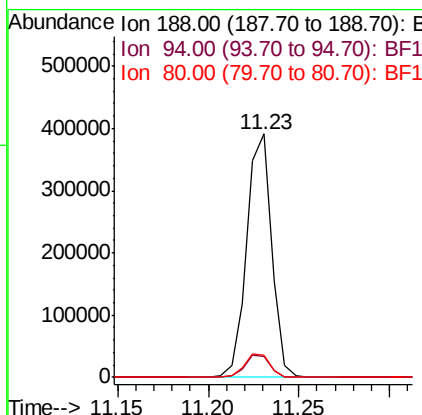
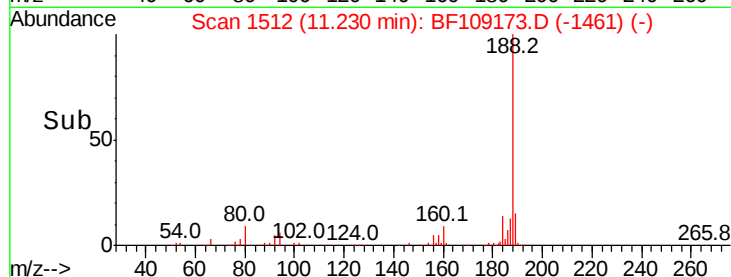
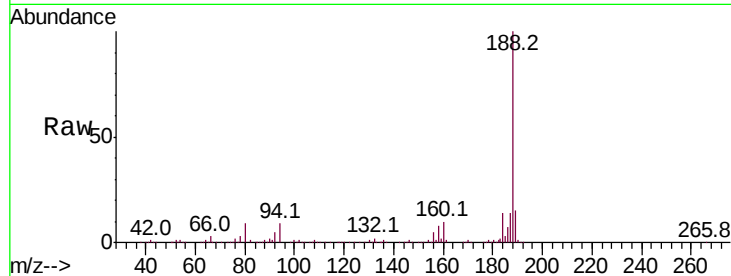
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.23 min Scan# 1512  
Delta R.T. -0.00 min  
Lab File: BF109173.D  
Acq: 20 Sep 2018 4:38

Instrument :  
BNA\_F  
ClientSampleId :  
PB112951BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 188     | 100   | 373557 |       |       |
| 94      | 8.8   |        | 8.5   | 12.7  |
| 80      | 9.2   |        | 9.2   | 13.8# |

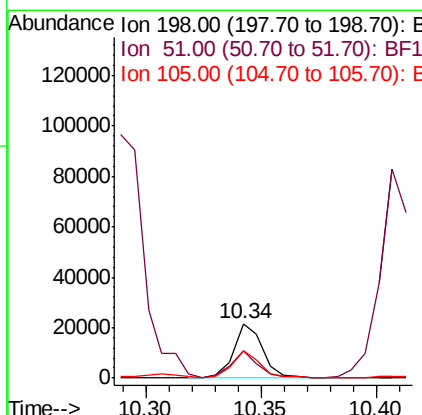
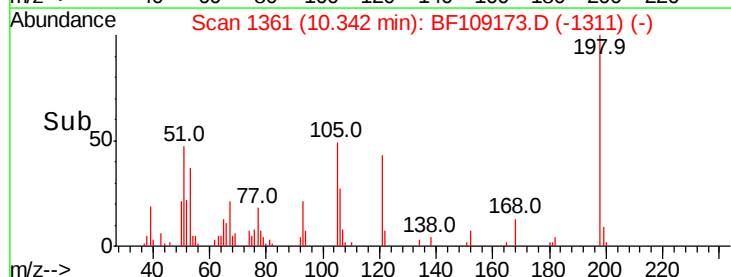
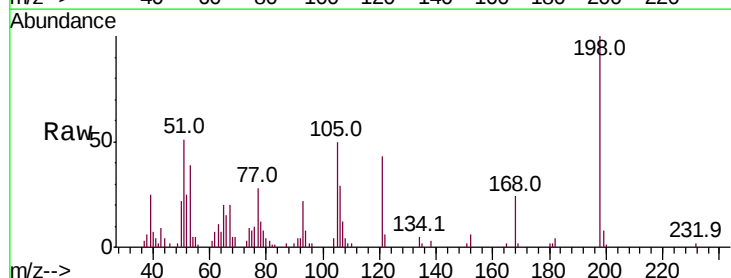
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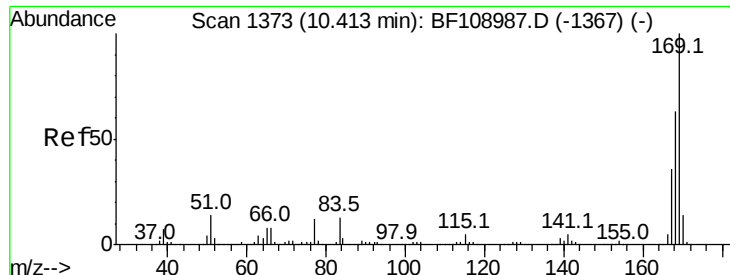
Sohil  
9/20/2018 10:06:53 AM



#64  
4,6-Dinitro-2-methylphenol  
Concen: 10.479 ng  
RT: 10.34 min Scan# 1361  
Delta R.T. -0.01 min  
Lab File: BF109173.D  
Acq: 20 Sep 2018 4:38

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 198     | 100   | 18729 |       |       |
| 51      | 50.6  |       | 37.7  | 77.7  |
| 105     | 50.3  |       | 36.3  | 76.3  |





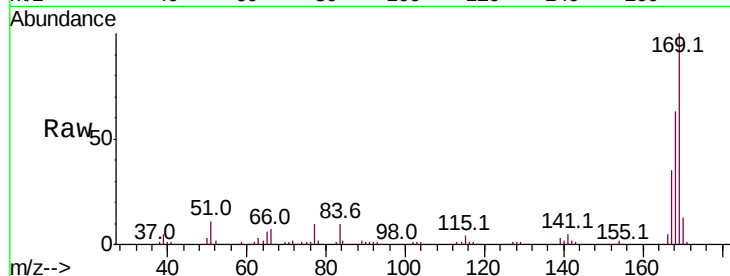
#65  
n-Nitrosodiphenylamine  
Concen: 45.982 ng  
RT: 10.41 min Scan# 1373  
Delta R.T. -0.00 min  
Lab File: BF109173.D  
Acq: 20 Sep 2018 4:38

Instrument :  
BNA\_F  
ClientSampleId :  
PB112951BS

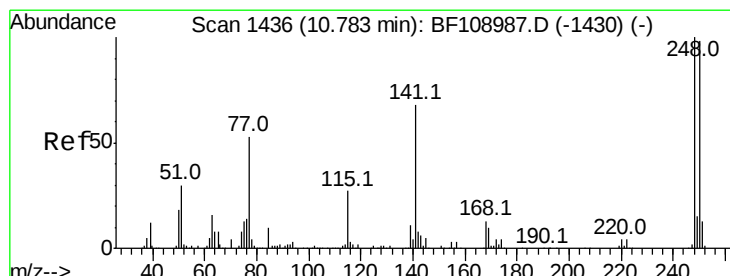
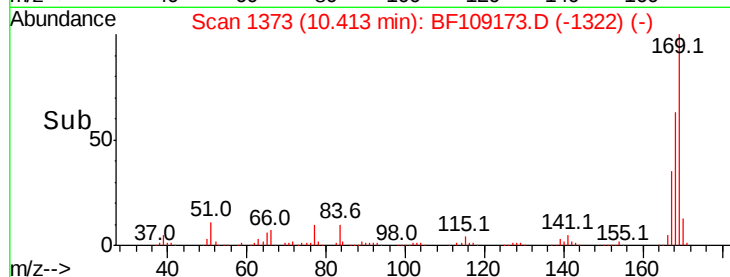
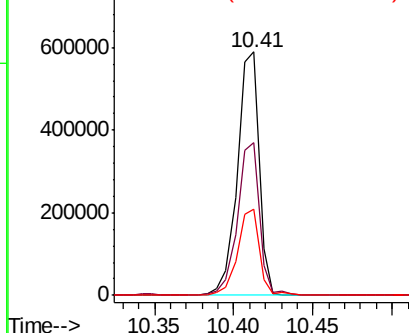
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 169     | 100   | 561872 |       |       |
| 168     | 62.8  |        | 54.4  | 81.6  |
| 167     | 35.2  |        | 29.8  | 44.6  |

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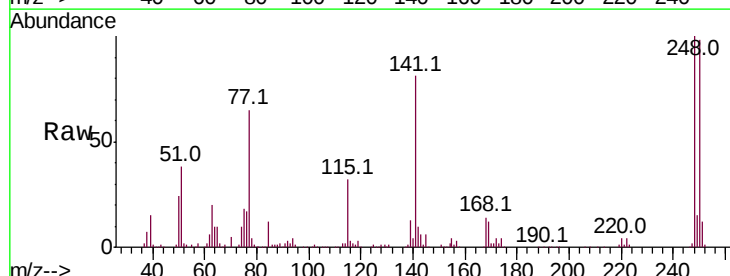


Abundance Ion 169.00 (168.70 to 169.70): E  
Ion 168.00 (167.70 to 168.70): E  
Ion 167.00 (166.70 to 167.70): E

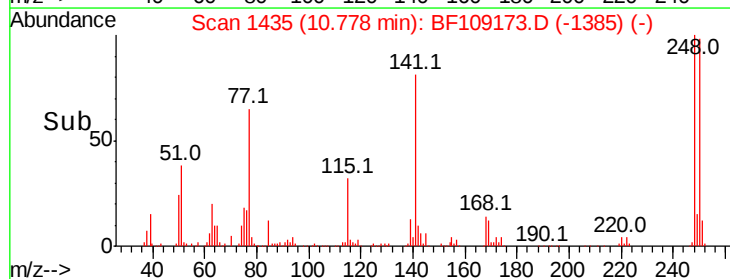
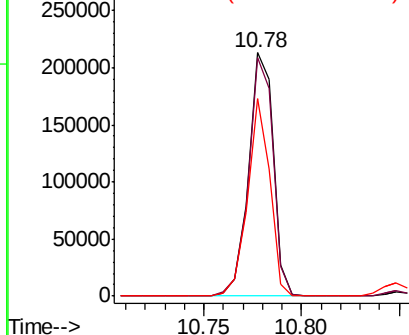


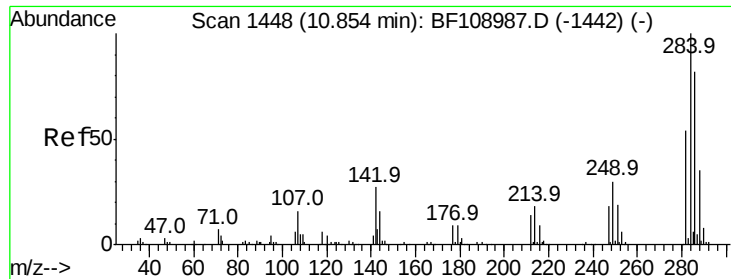
#66  
4-Bromophenyl-phenylether  
Concen: 44.324 ng  
RT: 10.78 min Scan# 1435  
Delta R.T. -0.01 min  
Lab File: BF109173.D  
Acq: 20 Sep 2018 4:38

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 248     | 100   | 186666 |       |       |
| 250     | 97.8  |        | 76.9  | 115.3 |
| 141     | 81.0  |        | 74.4  | 111.6 |



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





#67

Hexachlorobenzene

Concen: 43.151 ng

RT: 10.85 min Scan# 1447

Delta R.T. -0.01 min

Lab File: BF109173.D

Acq: 20 Sep 2018 4:38

Instrument :

BNA\_F

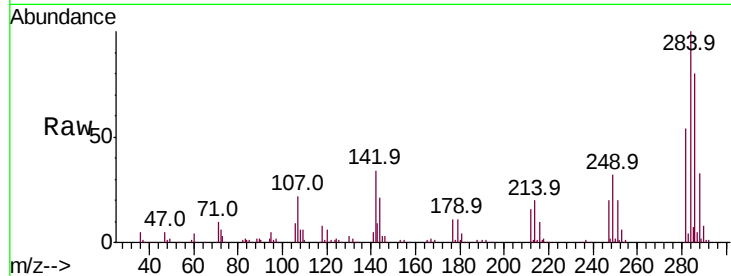
ClientSampleId :

PB112951BS

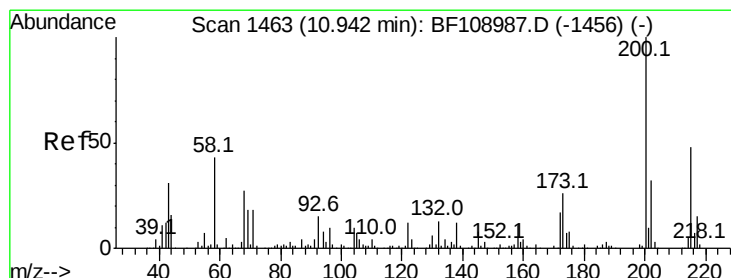
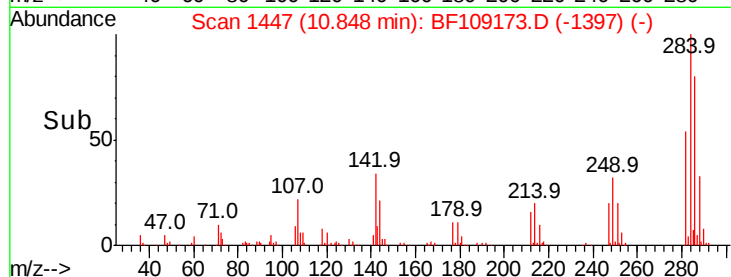
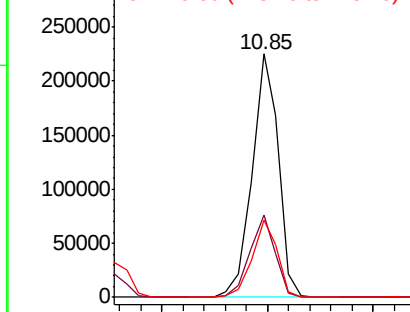
|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 284  | Resp: | 194378 |
| Ion Ratio |      | Lower | Upper  |
| 284       | 100  |       |        |
| 142       | 33.9 | 34.6  | 52.0#  |
| 249       | 31.9 | 24.8  | 37.2   |

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Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 45.953 ng

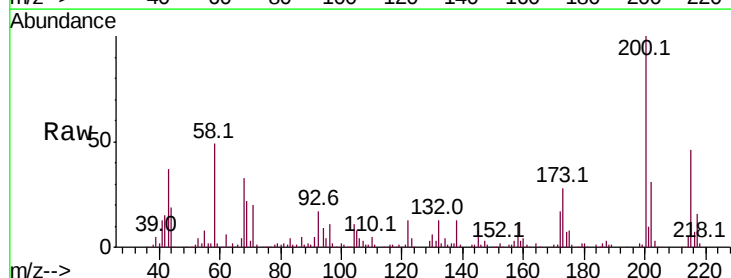
RT: 10.94 min Scan# 1462

Delta R.T. -0.01 min

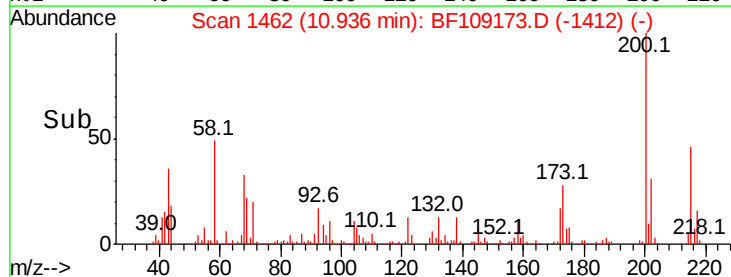
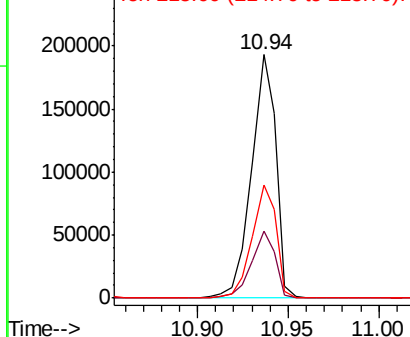
Lab File: BF109173.D

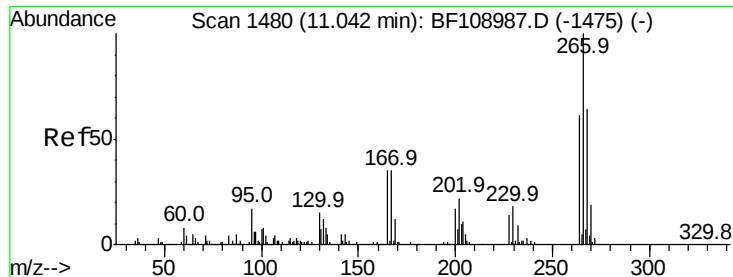
Acq: 20 Sep 2018 4:38

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 200  | Resp: | 179751 |
| Ion Ratio |      | Lower | Upper  |
| 200       | 100  |       |        |
| 173       | 27.6 | 8.6   | 48.6   |
| 215       | 46.3 | 25.1  | 65.1   |



Abundance Ion 200.00 (199.70 to 200.70): E  
Ion 173.00 (172.70 to 173.70): E  
Ion 215.00 (214.70 to 215.70): E





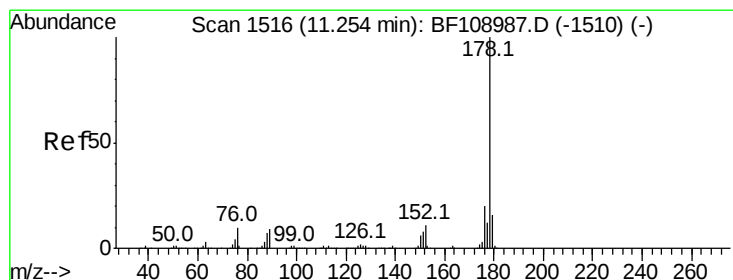
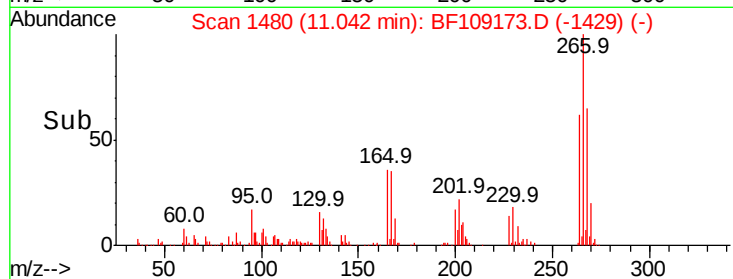
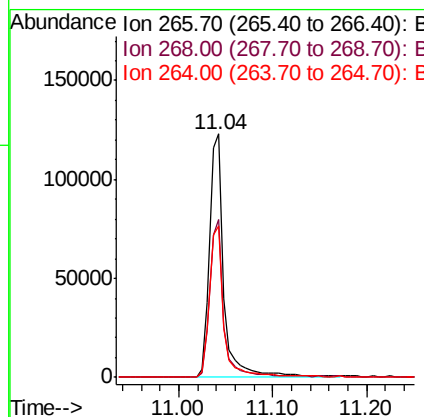
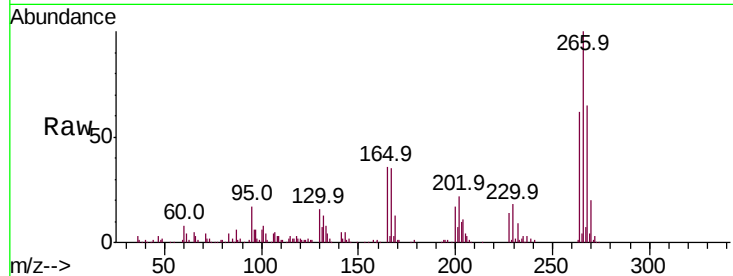
#69  
 Pentachlorophenol  
 Concen: 46.352 ng  
 RT: 11.04 min Scan# 1480  
 Delta R.T. -0.00 min  
 Lab File: BF109173.D  
 Acq: 20 Sep 2018 4:38

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB112951BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 266     | 100   |      |       |       |
| 268     | 65.0  |      | 51.1  | 76.7  |
| 264     | 62.1  |      | 49.5  | 74.3  |

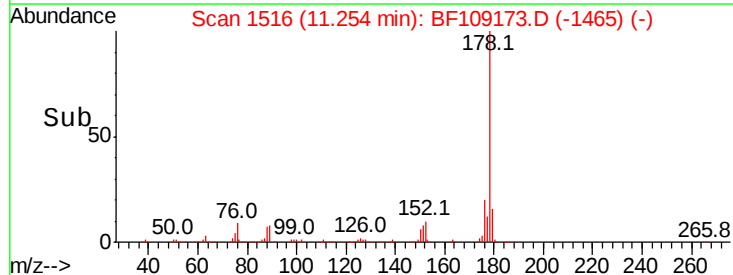
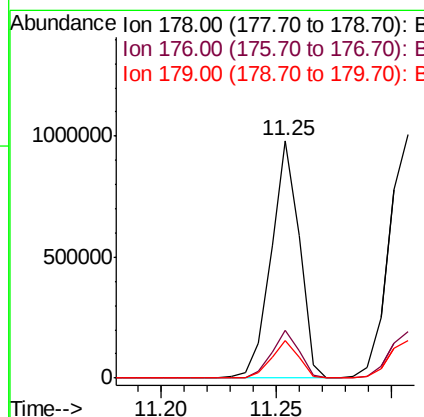
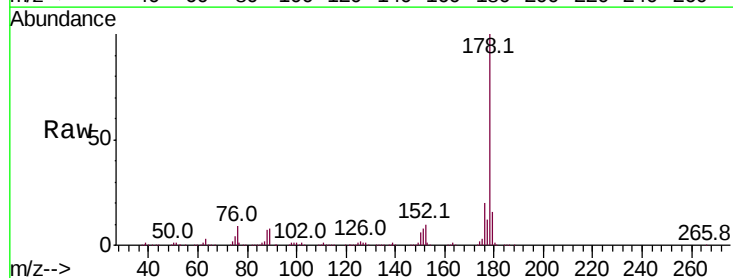
Manual Integrations  
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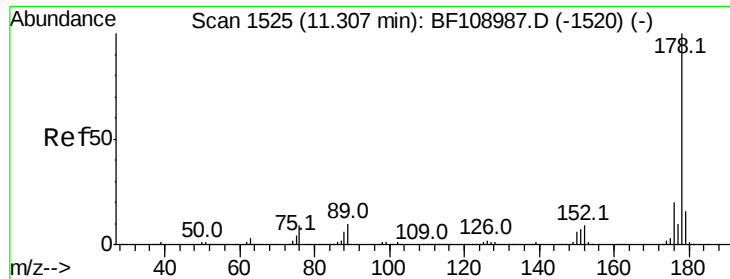
Sohil  
 9/20/2018 10:06:53 AM



#70  
 Phenanthrene  
 Concen: 45.343 ng  
 RT: 11.25 min Scan# 1516  
 Delta R.T. -0.00 min  
 Lab File: BF109173.D  
 Acq: 20 Sep 2018 4:38

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 178     | 100   |      |       |       |
| 176     | 19.9  |      | 15.8  | 23.8  |
| 179     | 15.9  |      | 13.0  | 19.6  |





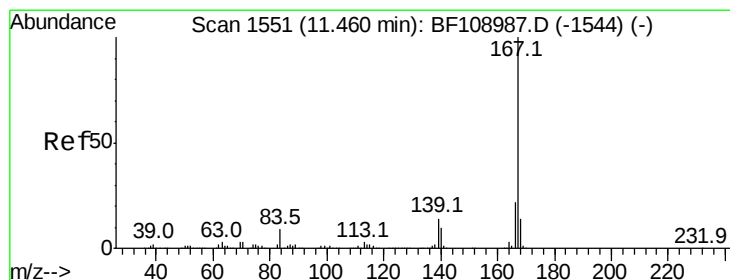
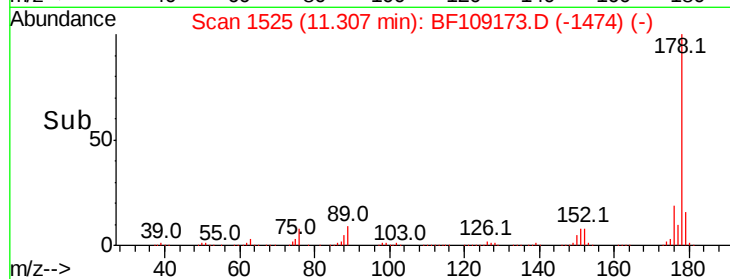
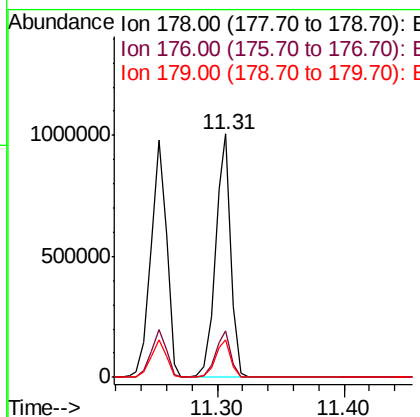
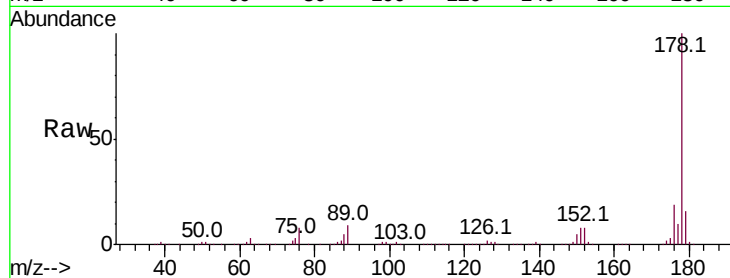
#71  
 Anthracene  
 Concen: 45.767 ng  
 RT: 11.31 min Scan# 1525  
 Delta R.T. -0.00 min  
 Lab File: BF109173.D  
 Acq: 20 Sep 2018 4:38

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB112951BS

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

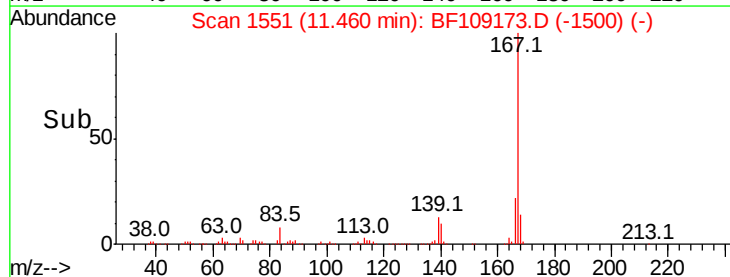
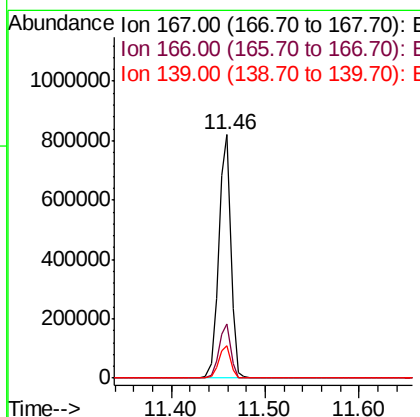
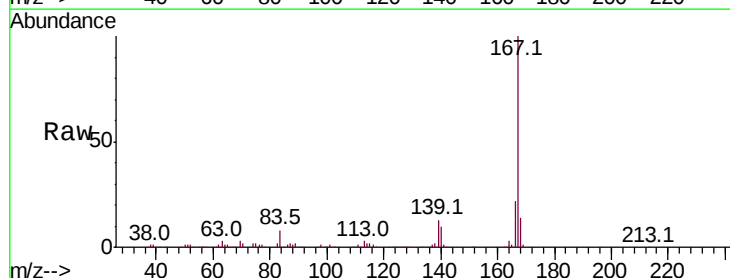
Manual Integrations  
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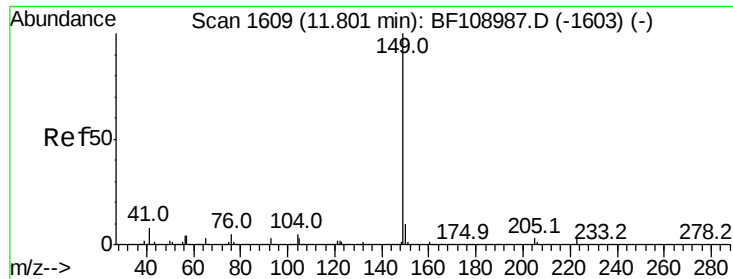
Sohil  
 9/20/2018 10:06:53 AM



#72  
 Carbazole  
 Concen: 40.353 ng  
 RT: 11.46 min Scan# 1551  
 Delta R.T. -0.00 min  
 Lab File: BF109173.D  
 Acq: 20 Sep 2018 4:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 22.2  | 17.6  | 26.4  |
| 139     | 13.1  | 10.9  | 16.3  |





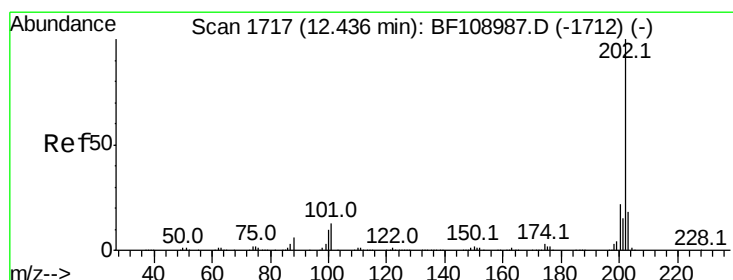
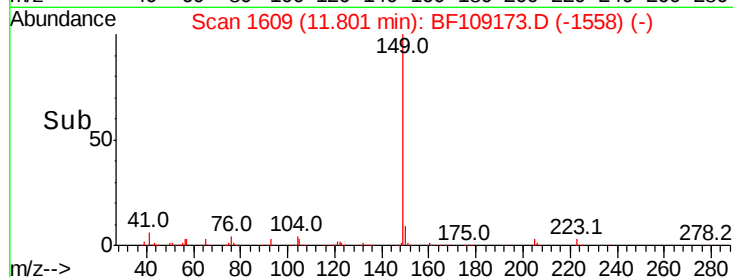
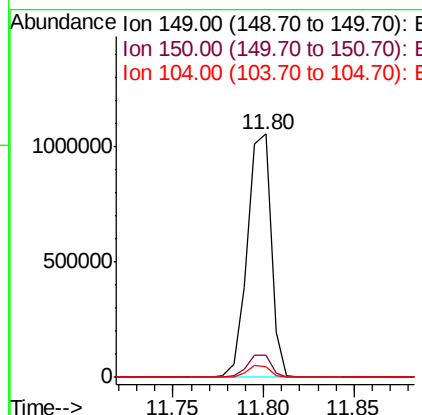
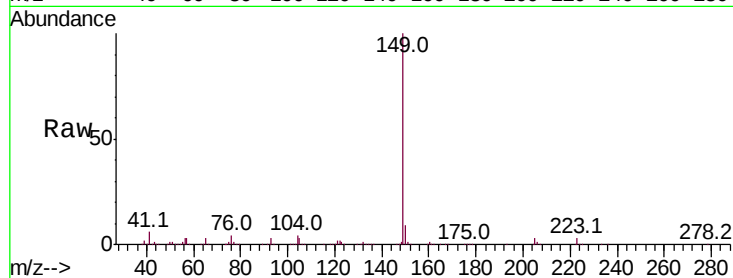
#73  
Di-n-butylphthalate  
Concen: 44.780 ng  
RT: 11.80 min Scan# 1609  
Delta R.T. -0.00 min  
Lab File: BF109173.D  
Acq: 20 Sep 2018 4:38

Instrument :  
BNA\_F  
ClientSampleId :  
PB112951BS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 149     | 100   |            |       |
| 150     | 8.9   | 7.8        | 11.6  |
| 104     | 4.5   | 3.8        | 5.8   |

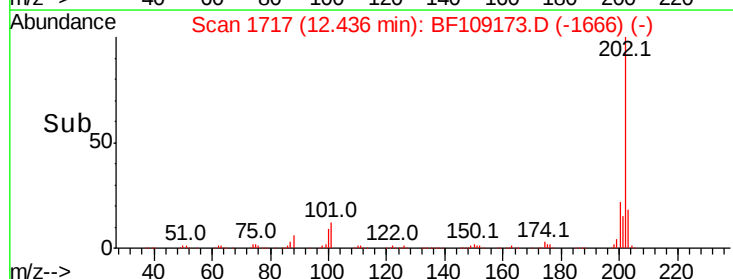
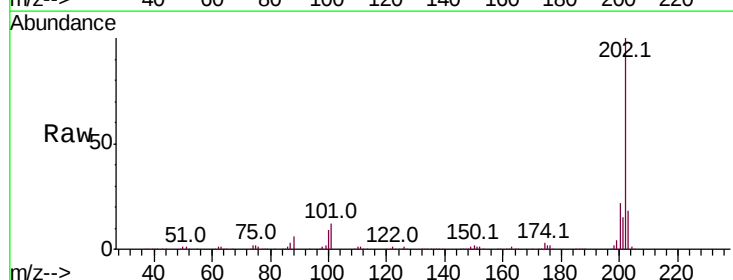
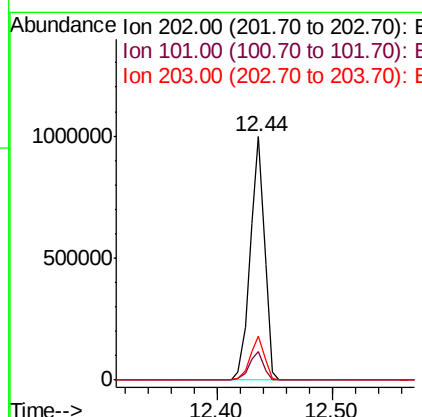
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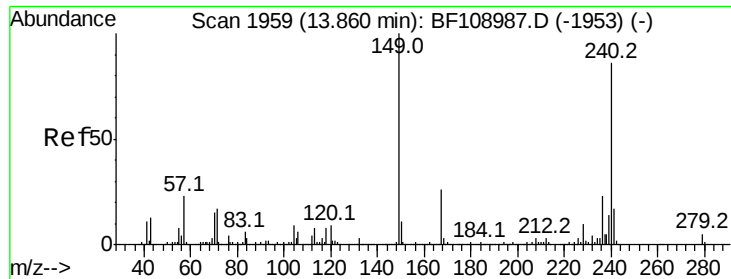
Sohil  
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#74  
Fluoranthene  
Concen: 43.962 ng  
RT: 12.44 min Scan# 1717  
Delta R.T. -0.00 min  
Lab File: BF109173.D  
Acq: 20 Sep 2018 4:38

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 202     | 100   |            |       |
| 101     | 11.9  | 0.0        | 34.1  |
| 203     | 17.9  | 0.0        | 38.1  |





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.85 min Scan# 1958

Delta R.T. -0.01 min

Lab File: BF109173.D

Acq: 20 Sep 2018 4:38

Instrument :

BNA\_F

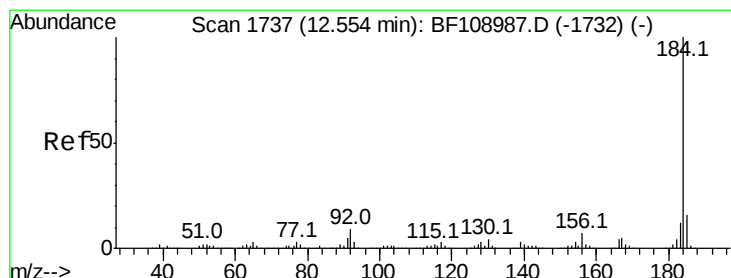
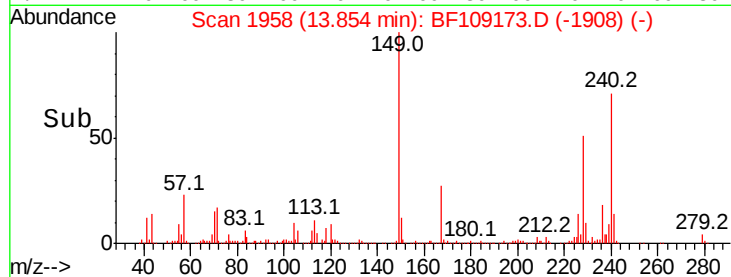
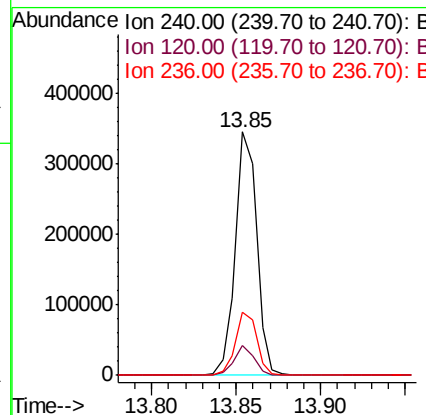
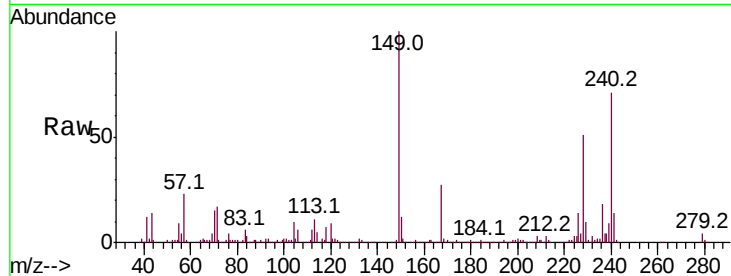
ClientSampleId :

PB112951BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 240   | Resp: | 304287 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 12.1  | 9.5   | 14.3   |
| 236       | 25.7  | 20.7  | 31.1   |

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#76

Benzidine

Concen: 22.624 ng

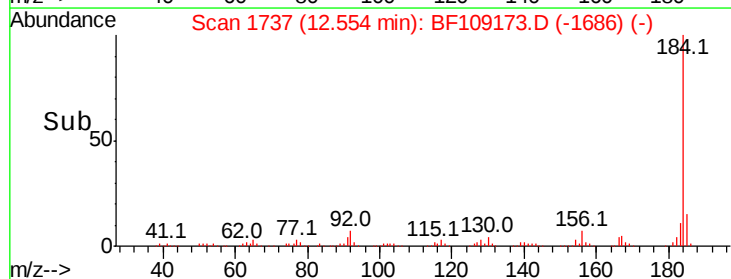
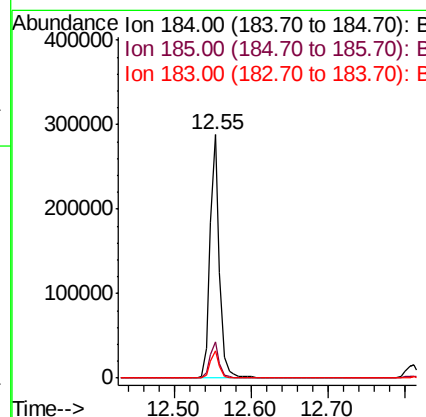
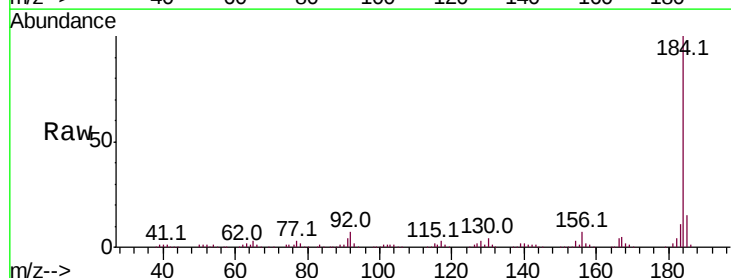
RT: 12.55 min Scan# 1737

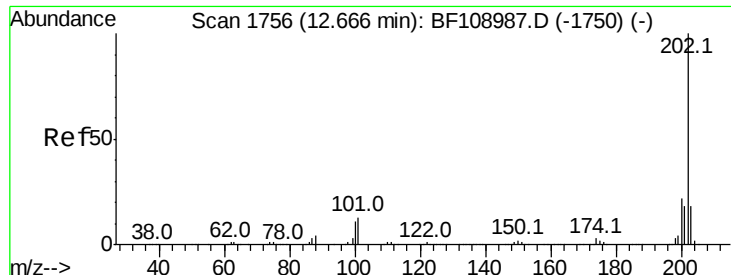
Delta R.T. 0.00 min

Lab File: BF109173.D

Acq: 20 Sep 2018 4:38

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 184   | Resp: | 243695 |
| Ion Ratio | Lower | Upper |        |
| 184       | 100   |       |        |
| 185       | 14.8  | 12.6  | 18.8   |
| 183       | 11.2  | 9.3   | 13.9   |





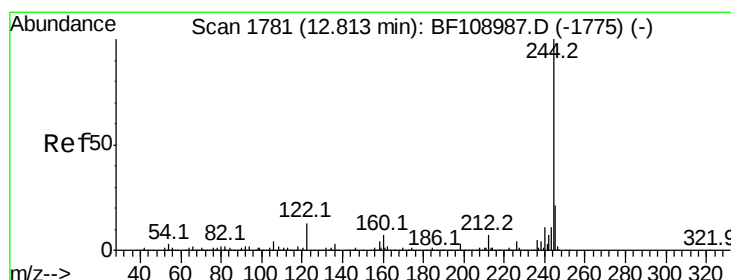
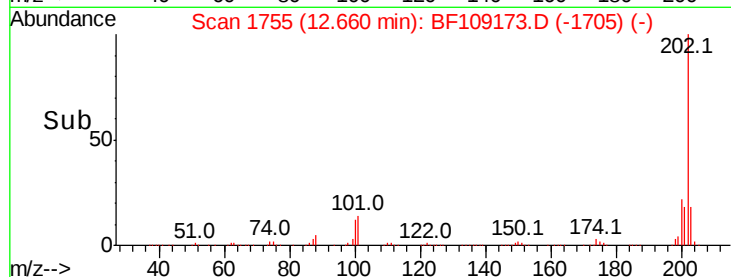
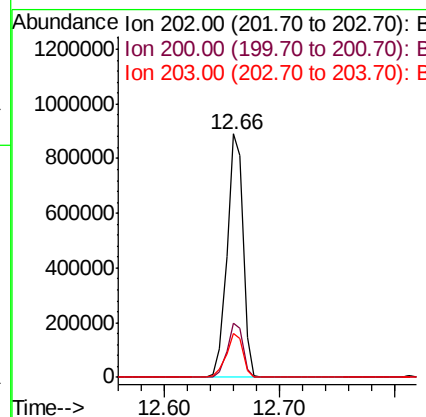
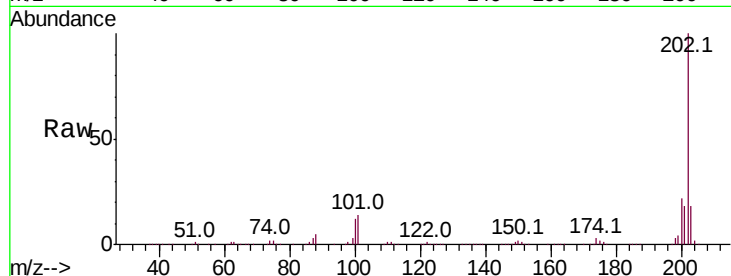
#77  
Pvrene  
Concen: 37.853 ng  
RT: 12.66 min Scan# 1756  
Delta R.T. -0.01 min  
Lab File: BF109173.D  
Acq: 20 Sep 2018 4:38

Instrument :  
BNA\_F  
ClientSampleId :  
PB112951BS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 202     | 100   |            |       |
| 200     | 22.4  | 17.4       | 26.2  |
| 203     | 18.2  | 14.3       | 21.5  |

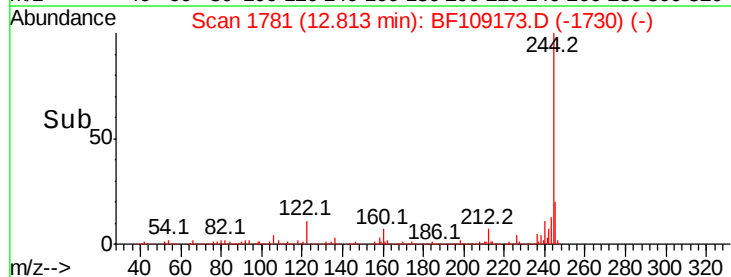
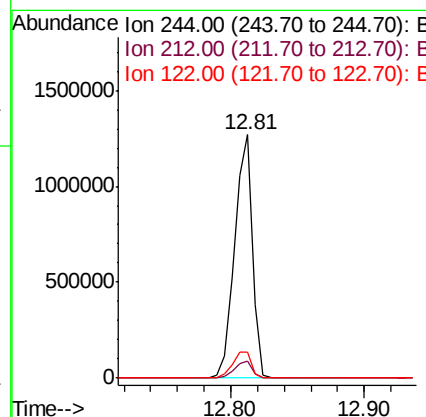
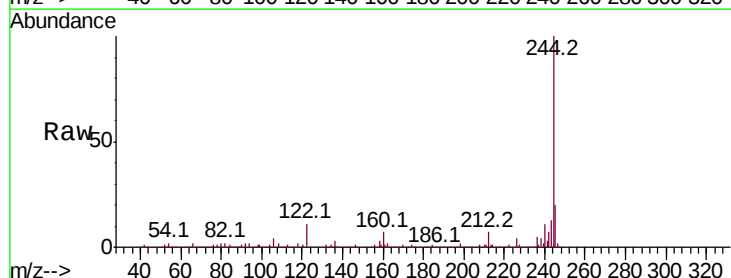
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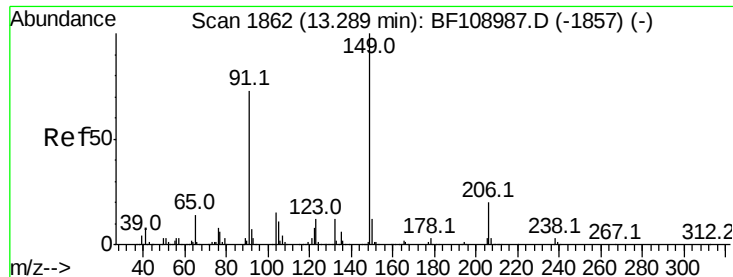
Sohil  
9/20/2018 10:06:53 AM



#78  
Terphenyl-d14  
Concen: 93.270 ng  
RT: 12.81 min Scan# 1781  
Delta R.T. -0.00 min  
Lab File: BF109173.D  
Acq: 20 Sep 2018 4:38

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 244     | 100   |            |       |
| 212     | 7.1   | 5.4        | 8.0   |
| 122     | 10.9  | 11.0       | 16.4  |





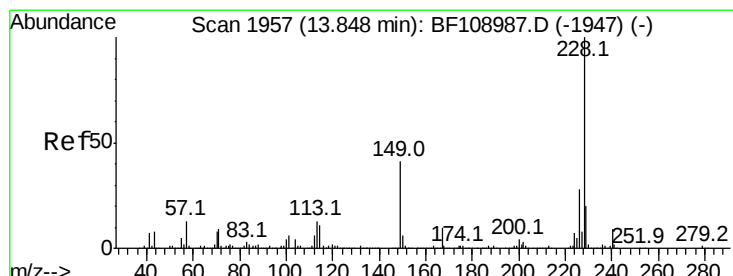
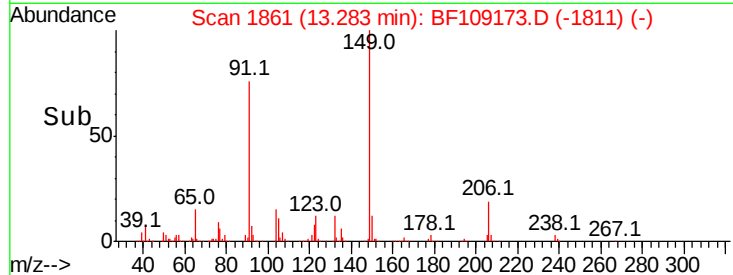
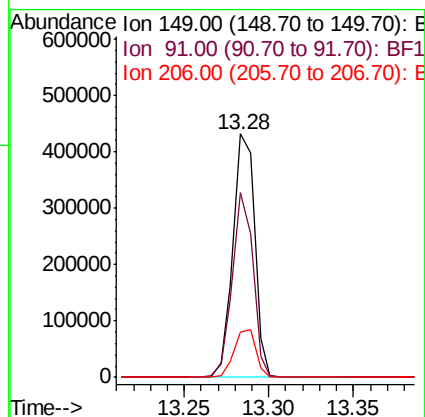
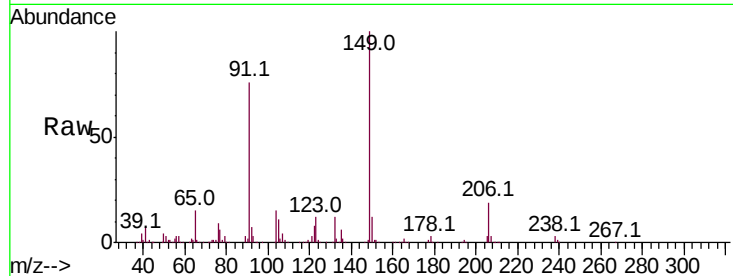
#79  
Butylbenzylphthalate  
Concen: 38.298 ng  
RT: 13.28 min Scan# 1861  
Delta R.T. -0.01 min  
Lab File: BF109173.D  
Acq: 20 Sep 2018 4:38

Instrument :  
BNA\_F  
ClientSampleId :  
PB112951BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 386619 |       |       |
| 91      | 75.9  | 56.8   | 85.2  |       |
| 206     | 18.8  | 14.1   | 21.1  |       |

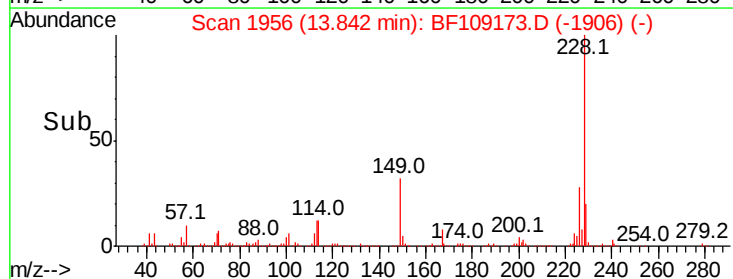
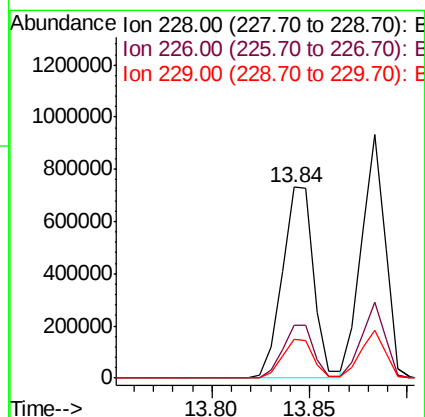
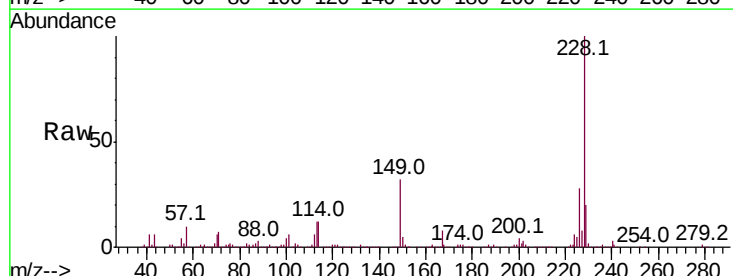
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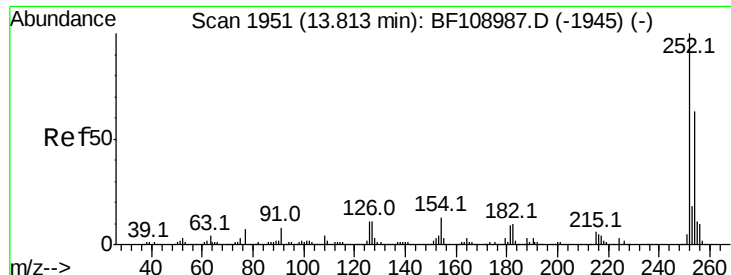
Sohil  
9/20/2018 10:06:53 AM



#80  
Benzo(a)anthracene  
Concen: 44.161 ng  
RT: 13.84 min Scan# 1956  
Delta R.T. -0.01 min  
Lab File: BF109173.D  
Acq: 20 Sep 2018 4:38

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 228     | 100   | 813562 |       |       |
| 226     | 27.7  | 22.6   | 33.8  |       |
| 229     | 20.1  | 15.8   | 23.6  |       |





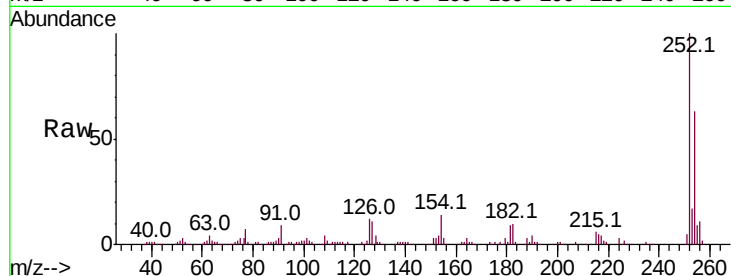
#81  
 3,3'-Dichlorobenzidine  
 Concen: 17.778 ng  
 RT: 13.81 min Scan# 1950  
 Delta R.T. -0.01 min  
 Lab File: BF109173.D  
 Acq: 20 Sep 2018 4:38

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB112951BS

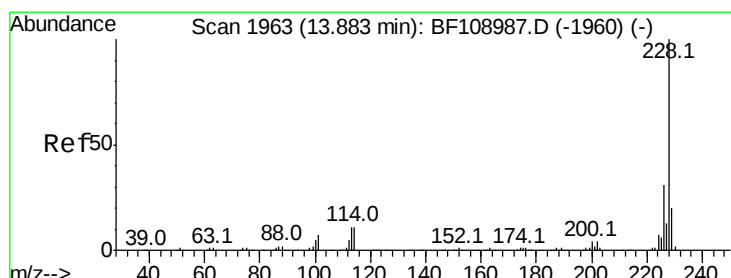
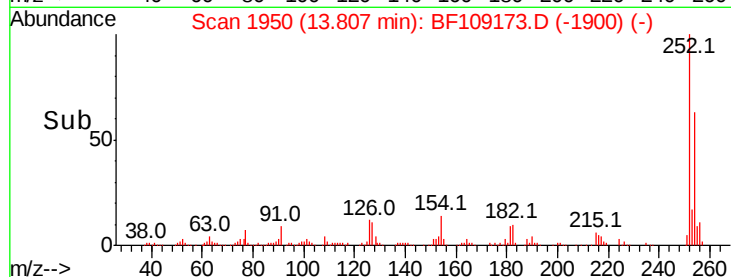
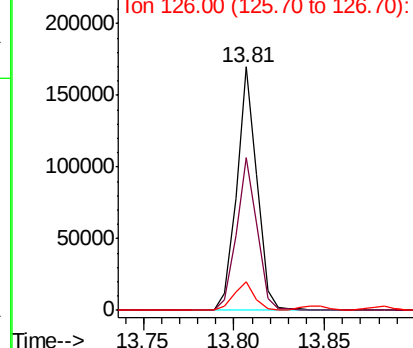
| Tot Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 252     | 100   |            |            |
| 254     | 62.6  | 50.4       | 75.6       |
| 126     | 11.5  | 11.3       | 16.9       |

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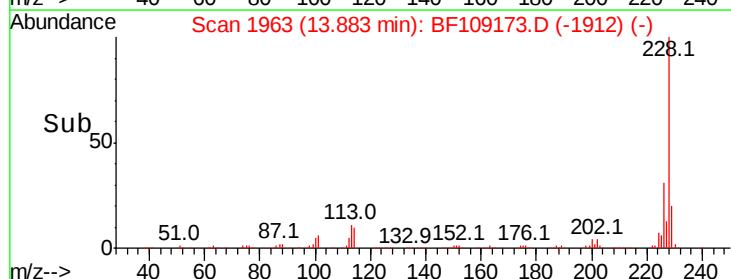
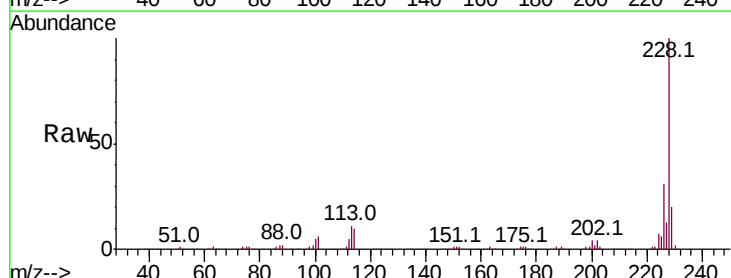
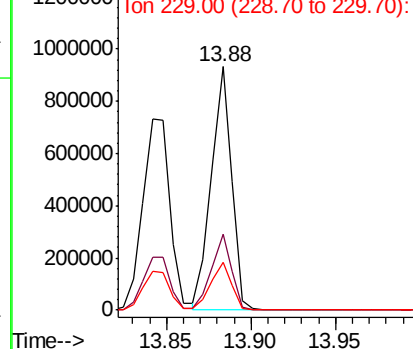
Abundance Ion 252.00 (251.70 to 252.70): E  
 Ion 254.00 (253.70 to 254.70): E  
 Ion 126.00 (125.70 to 126.70): E

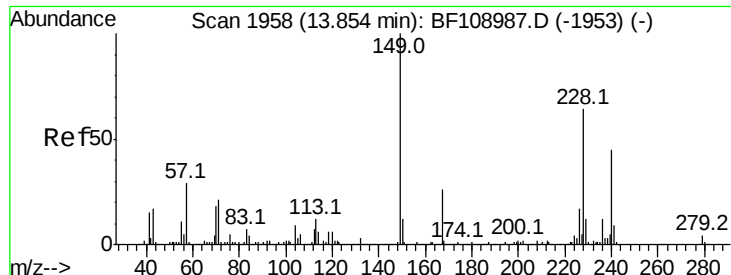


#82  
 Chrysene  
 Concen: 42.869 ng  
 RT: 13.88 min Scan# 1963  
 Delta R.T. -0.00 min  
 Lab File: BF109173.D  
 Acq: 20 Sep 2018 4:38

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 228     | 100   |            |            |
| 226     | 31.1  | 25.0       | 37.6       |
| 229     | 19.8  | 16.2       | 24.4       |

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





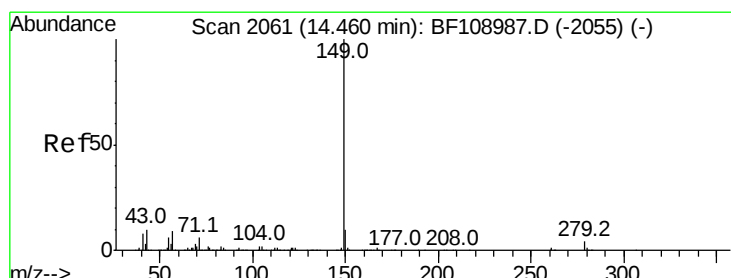
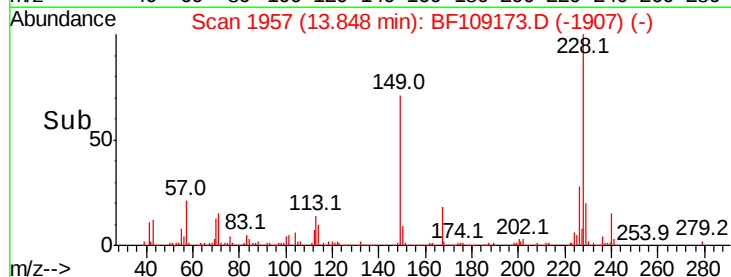
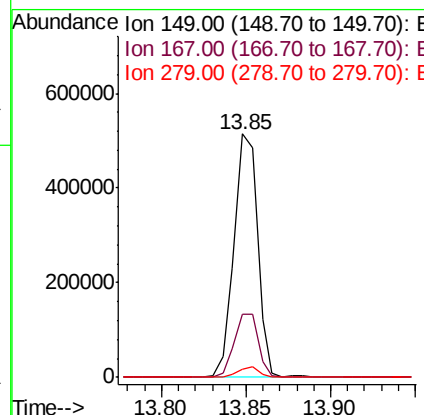
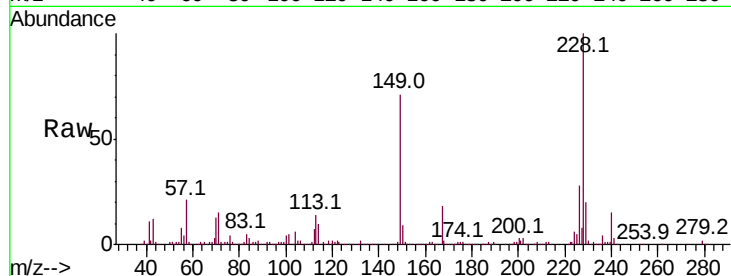
#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 41.031 ng  
 RT: 13.85 min Scan# 1957  
 Delta R.T. -0.01 min  
 Lab File: BF109173.D  
 Acq: 20 Sep 2018 4:38

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB112951BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 501523 |       |       |
| 167     | 26.0  |        | 21.3  | 31.9  |
| 279     | 3.3   |        | 3.0   | 4.4   |

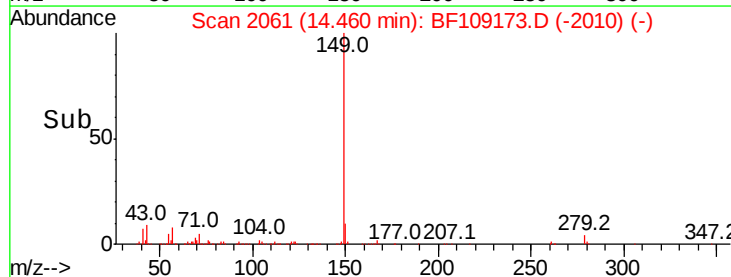
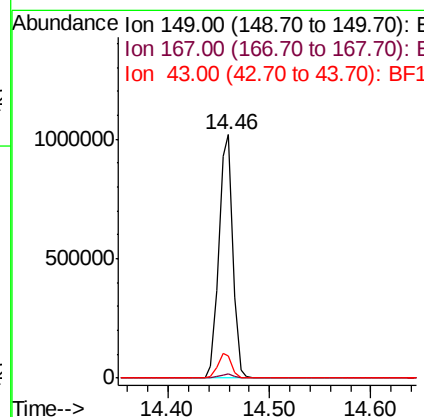
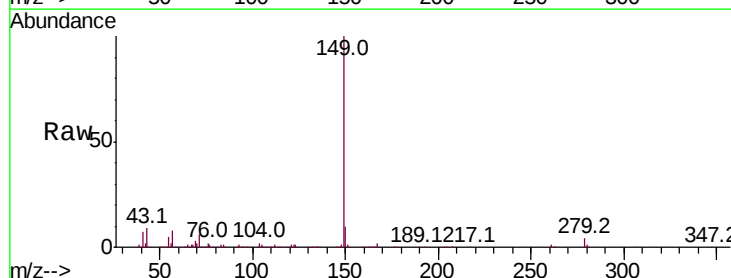
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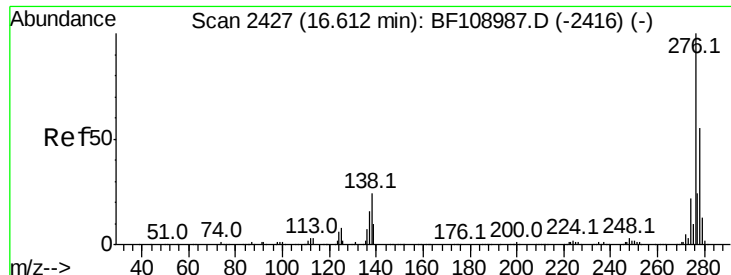
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#84  
 Di-n-octyl phthalate  
 Concen: 47.075 ng  
 RT: 14.46 min Scan# 2061  
 Delta R.T. -0.00 min  
 Lab File: BF109173.D  
 Acq: 20 Sep 2018 4:38

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 975873 |       |       |
| 167     | 1.5   |        | 1.2   | 1.8   |
| 43      | 9.8   |        | 8.4   | 12.6  |





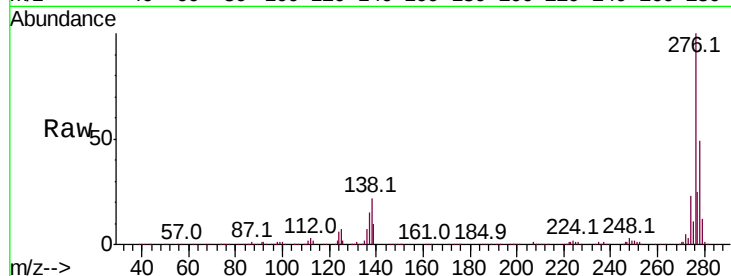
#85  
Indeno(1,2,3-cd)pyrene  
Concen: 44.422 ng  
RT: 16.61 min Scan# 2427  
Delta R.T. -0.00 min  
Lab File: BF109173.D  
Acq: 20 Sep 2018 4:38

Instrument :  
BNA\_F  
ClientSampleId :  
PB112951BS

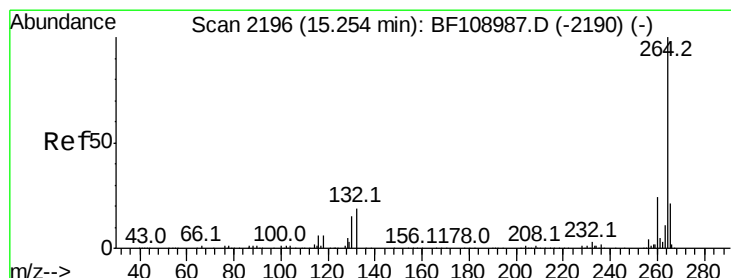
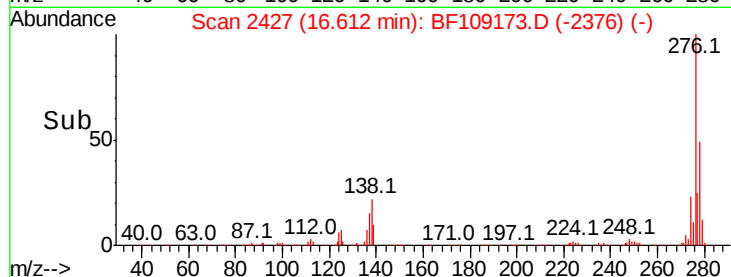
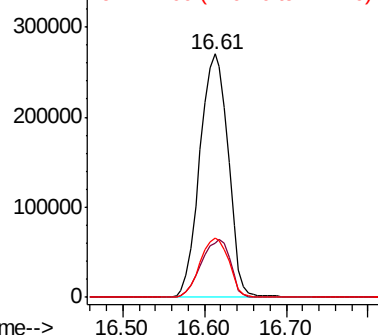
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 24.5  | 25.0  | 37.6# |
| 277     | 24.8  | 20.1  | 30.1  |

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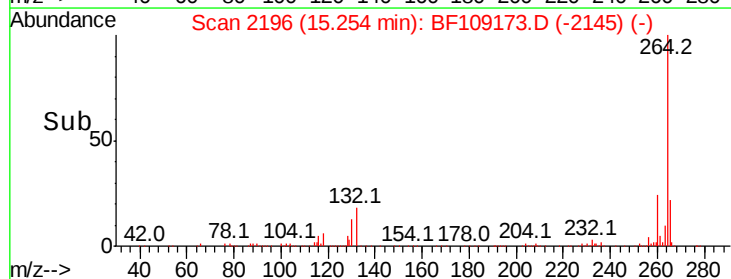
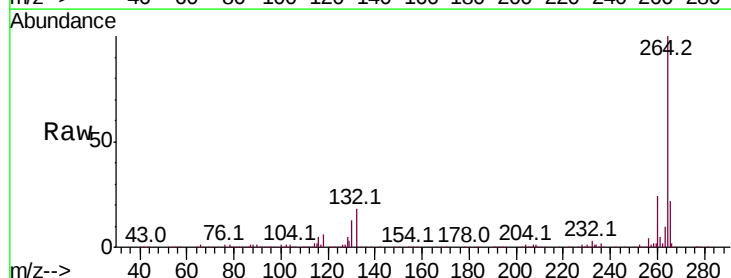
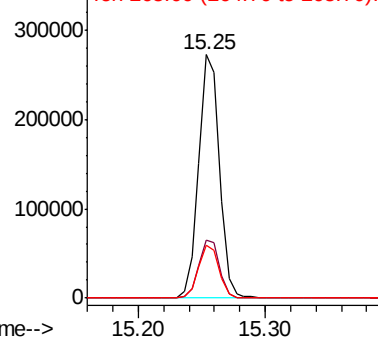
Abundance Ion 276.00 (275.70 to 276.70): E  
Ion 138.00 (137.70 to 138.70): E  
Ion 277.00 (276.70 to 277.70): E

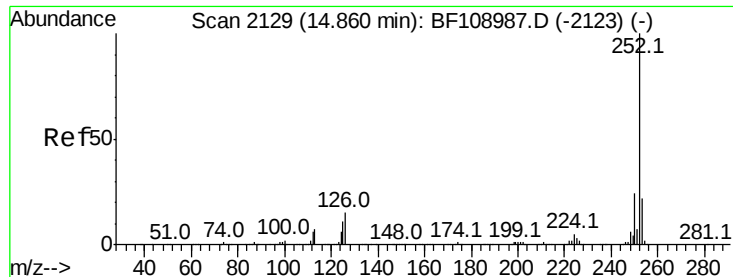


#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.25 min Scan# 2196  
Delta R.T. -0.00 min  
Lab File: BF109173.D  
Acq: 20 Sep 2018 4:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.7  | 19.2  | 28.8  |
| 265     | 22.0  | 17.5  | 26.3  |

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





#87

Benzo(b)fluoranthene

Concen: 48.635 ng

RT: 14.87 min Scan# 2130

Delta R.T. 0.01 min

Lab File: BF109173.D

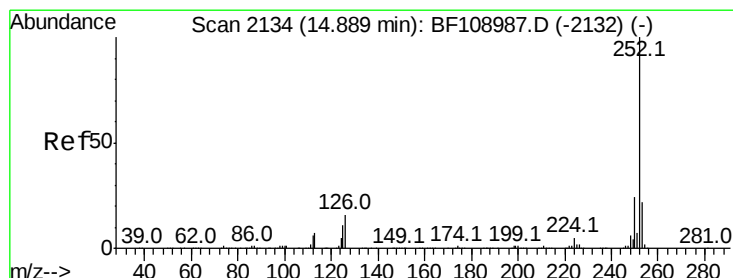
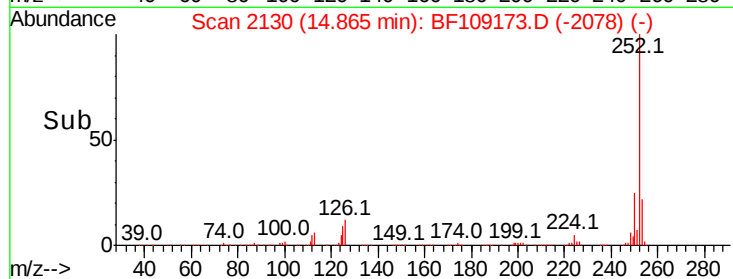
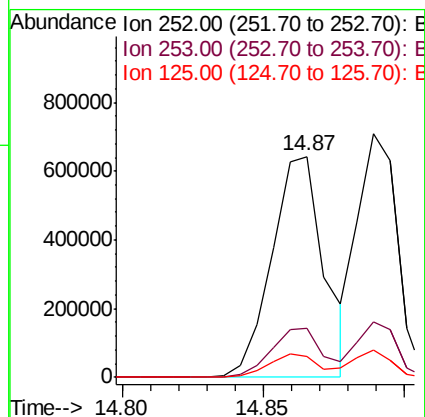
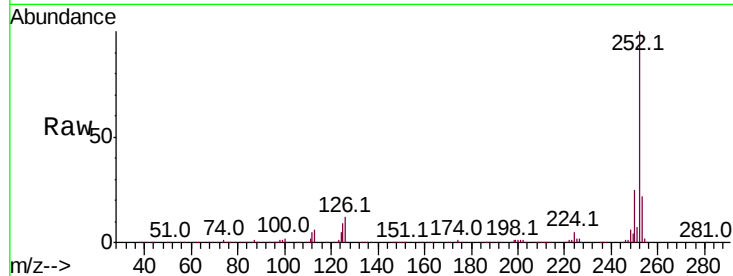
Acq: 20 Sep 2018 4:38

Instrument :  
BNA\_F  
ClientSampleId :  
PB112951BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.0  | 17.0  | 25.6  |
| 125     | 9.2   | 9.0   | 13.6  |

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#88

Benzo(k)fluoranthene

Concen: 43.929 ng

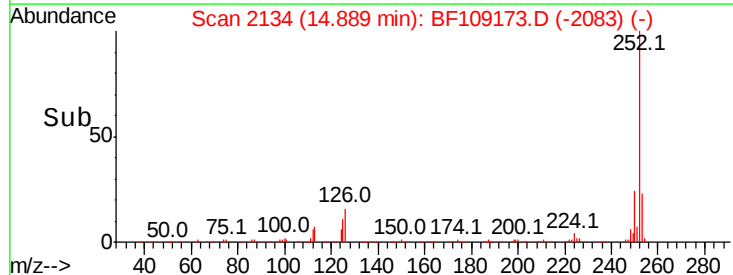
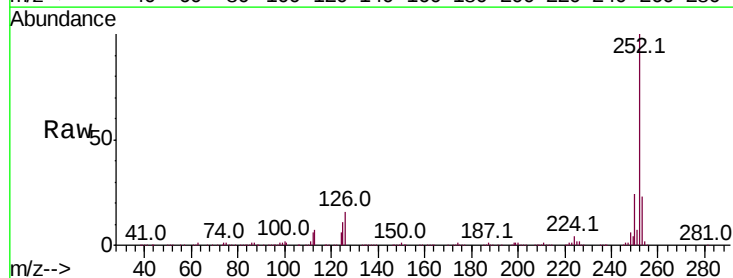
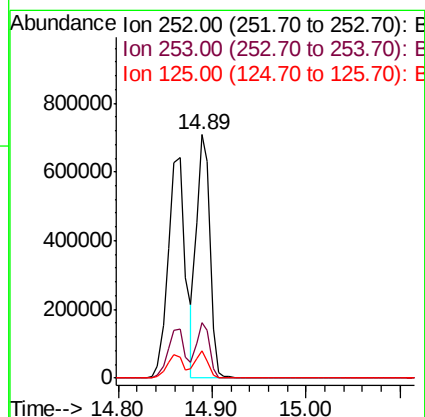
RT: 14.89 min Scan# 2134

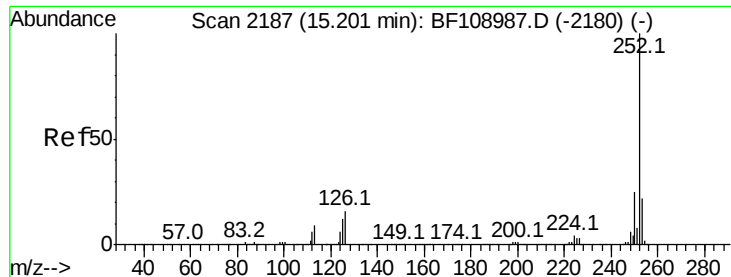
Delta R.T. -0.00 min

Lab File: BF109173.D

Acq: 20 Sep 2018 4:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.8  | 17.9  | 26.9  |
| 125     | 11.0  | 10.2  | 15.2  |





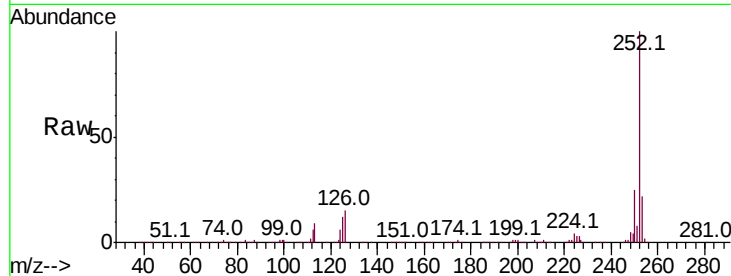
#89  
Benzo(a)pyrene  
Concen: 46.158 ng  
RT: 15.20 min Scan# 2187  
Delta R.T. -0.00 min  
Lab File: BF109173.D  
Acq: 20 Sep 2018 4:38

Instrument :  
BNA\_F  
ClientSampleId :  
PB112951BS

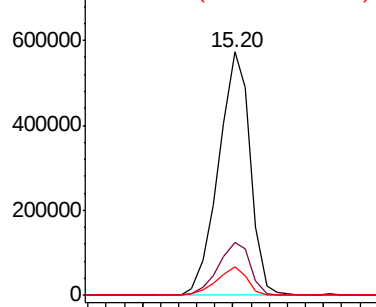
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 252     | 100   | 697422 |       |       |
| 253     | 22.0  |        | 17.1  | 25.7  |
| 125     | 11.6  |        | 9.8   | 14.6  |

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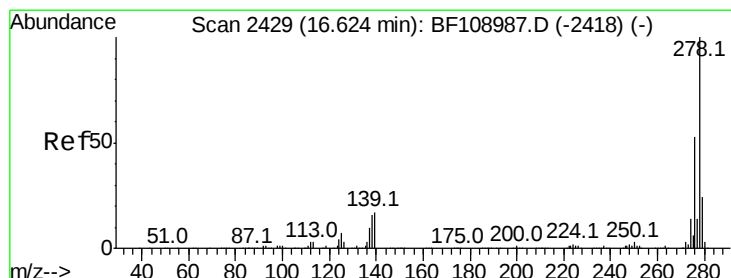
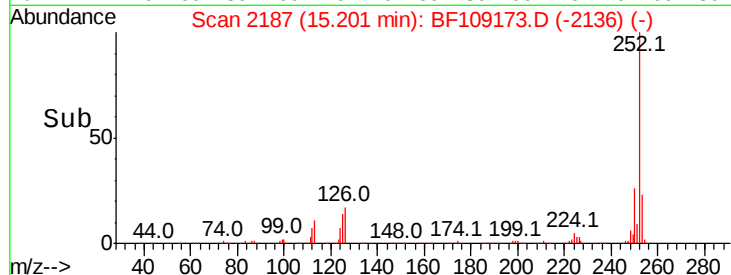
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Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E

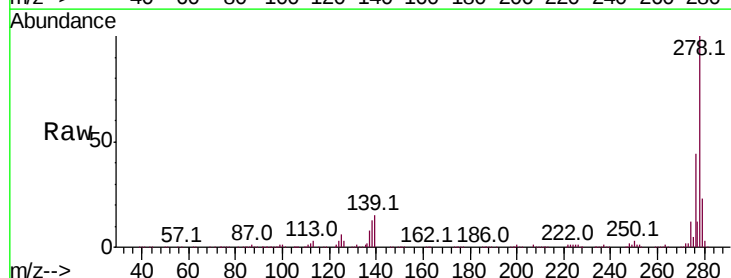


Time-->

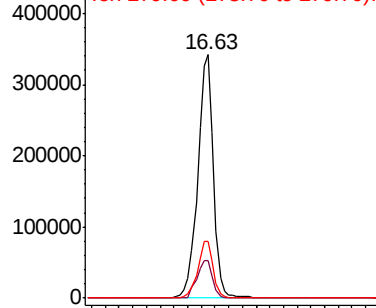


#90  
Dibenzo(a,h)anthracene  
Concen: 42.975 ng  
RT: 16.63 min Scan# 2430  
Delta R.T. 0.01 min  
Lab File: BF109173.D  
Acq: 20 Sep 2018 4:38

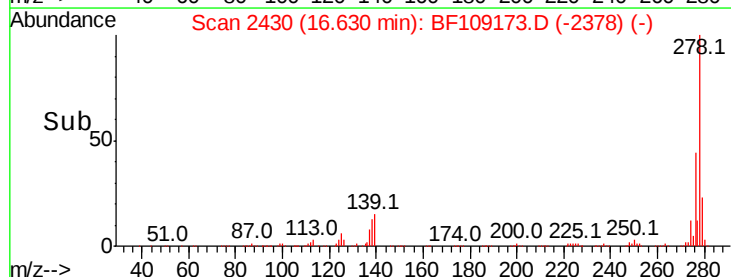
| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 278     | 100   | 545521 |       |       |
| 139     | 15.2  |        | 15.9  | 23.9# |
| 279     | 23.1  |        | 19.0  | 28.4  |

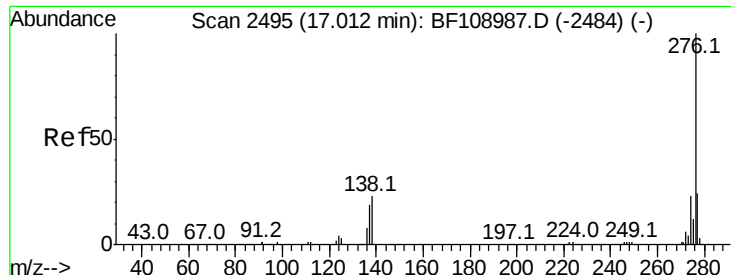


Abundance Ion 278.00 (277.70 to 278.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 279.00 (278.70 to 279.70): E



Time-->





#91  
 Benzo(a,h,i)perylene  
 Concen: 41.815 ng  
 RT: 17.02 min Scan# 2496  
 Delta R.T. 0.01 min  
 Lab File: BF109173.D  
 Acq: 20 Sep 2018 4:38

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB112951BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 22.3  | 17.9  | 26.9  |
| 138     | 19.3  | 21.8  | 32.8  |

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