

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081718\  
 Data File : BF108236.D  
 Acq On : 17 Aug 2018 11:52  
 Operator : JU/SJ  
 Sample : PB112112BS  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB112112BS

Manual Integrations  
 APPROVED

Sohil  
 8/20/2018 12:48:17 PM

Quant Time: Aug 17 13:02:15 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 08 12:24:24 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.01  | 152  | 166029   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.30  | 136  | 648240   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 10.07 | 164  | 330000   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.56 | 188  | 655674   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 14.22 | 240  | 538880   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.78 | 264  | 404583   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.65  | 112 | 833431  | 90.88  | ng | 0.02 |
| 7) Phenol-d6             | 6.64  | 99  | 1133252 | 92.99  | ng | 0.00 |
| 23) Nitrobenzene-d5      | 7.58  | 82  | 938615  | 80.80  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.86 | 330 | 334766  | 101.70 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 9.38  | 172 | 1800086 | 87.58  | ng | 0.00 |
| 78) Terphenyl-d14        | 13.15 | 244 | 1939106 | 91.49  | ng | 0.00 |

## Target Compounds

|                                |      |     |         |        |    | Qvalue |
|--------------------------------|------|-----|---------|--------|----|--------|
| 2) 1,4-Dioxane                 | 3.02 | 88  | 185733  | 39.416 | ng | 90     |
| 3) Pyridine                    | 3.76 | 79  | 499914  | 41.184 | ng | 85     |
| 4) n-Nitrosodimethylamine      | 3.73 | 42  | 266557  | 39.026 | ng | 84     |
| 6) Aniline                     | 6.68 | 93  | 533316  | 32.174 | ng | 96     |
| 8) 2-Chlorophenol              | 6.80 | 128 | 458057  | 44.349 | ng | 95     |
| 9) Benzaldehyde                | 6.57 | 77  | 210661  | 22.296 | ng | 98     |
| 10) Phenol                     | 6.65 | 94  | 557692  | 44.242 | ng | 88     |
| 11) bis(2-Chloroethyl)ether    | 6.75 | 93  | 442982  | 43.468 | ng | 94     |
| 12) 1,3-Dichlorobenzene        | 6.96 | 146 | 516695  | 43.265 | ng | 99     |
| 13) 1,4-Dichlorobenzene        | 7.04 | 146 | 516102  | 43.013 | ng | 96     |
| 14) 1,2-Dichlorobenzene        | 7.19 | 146 | 478080  | 42.835 | ng | 97     |
| 15) Benzyl Alcohol             | 7.15 | 79  | 404522  | 39.431 | ng | 97     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.28 | 45  | 858740  | 40.904 | ng | 98     |
| 17) 2-Methylphenol             | 7.26 | 107 | 387177  | 43.713 | ng | 96     |
| 18) Hexachloroethane           | 7.53 | 117 | 187857  | 43.976 | ng | 91     |
| 19) n-Nitroso-di-n-propylamine | 7.42 | 70  | 345937  | 41.978 | ng | 91     |
| 20) 3+4-Methylphenols          | 7.41 | 107 | 484978  | 42.728 | ng | 93     |
| 22) Acetophenone               | 7.42 | 105 | 652556  | 43.052 | ng | # 94   |
| 24) Nitrobenzene               | 7.60 | 77  | 514396  | 43.789 | ng | 98     |
| 25) Isophorone                 | 7.84 | 82  | 942962  | 42.586 | ng | 98     |
| 26) 2-Nitrophenol              | 7.91 | 139 | 217321  | 48.987 | ng | 89     |
| 27) 2,4-Dimethylphenol         | 7.94 | 122 | 434844  | 44.248 | ng | 95     |
| 28) bis(2-Chloroethoxy)methane | 8.04 | 93  | 564115  | 43.641 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 8.15 | 162 | 414407  | 45.822 | ng | 97     |
| 30) 1,2,4-Trichlorobenzene     | 8.24 | 180 | 433692  | 43.495 | ng | 98     |
| 31) Naphthalene                | 8.32 | 128 | 1323440 | 44.892 | ng | 99     |
| 32) Benzoic acid               | 8.06 | 122 | 180401  | 33.671 | ng | 90     |
| 33) 4-Chloroaniline            | 8.37 | 127 | 343800  | 26.760 | ng | 99     |
| 34) Hexachlorobutadiene        | 8.43 | 225 | 275345  | 43.621 | ng | 99     |
| 35) Caprolactam                | 8.74 | 113 | 121425m | 42.844 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 8.84 | 107 | 428626  | 43.933 | ng | 98     |
| 37) 2-Methylnaphthalene        | 9.01 | 142 | 913548  | 43.799 | ng | 98     |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.18 | 216 | 454333  | 44.833 | ng | 98     |
| 40) Hexachlorocyclopentadiene  | 9.17 | 237 | 505226  | 77.185 | ng | 98     |

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 QLast Update : Wed Aug 08 12:24:24 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.29  | 196  | 294194   | 46.782 | ng    | 98       |
| 43) 2,4,5-Trichlorophenol      | 9.33  | 196  | 335028   | 48.396 | ng    | 97       |
| 45) 1,1'-Biphenyl              | 9.48  | 154  | 1104781  | 45.407 | ng    | 99       |
| 46) 2-Chloronaphthalene        | 9.51  | 162  | 856246   | 44.526 | ng    | 99       |
| 47) 2-Nitroaniline             | 9.60  | 65   | 293240   | 47.128 | ng    | 86       |
| 48) Acenaphthylene             | 9.93  | 152  | 1372015  | 45.130 | ng    | 99       |
| 49) Dimethylphthalate          | 9.78  | 163  | 1009333  | 43.908 | ng    | # 99     |
| 50) 2,6-Dinitrotoluene         | 9.84  | 165  | 223503   | 46.472 | ng    | 92       |
| 51) Acenaphthene               | 10.10 | 154  | 880781   | 47.301 | ng    | 99       |
| 52) 3-Nitroaniline             | 10.01 | 138  | 175311   | 33.316 | ng    | 93       |
| 53) 2,4-Dinitrophenol          | 10.12 | 184  | 152506   | 84.316 | ng    | # 21     |
| 54) Dibenzofuran               | 10.27 | 168  | 1194630  | 44.283 | ng    | 95       |
| 55) 4-Nitrophenol              | 10.17 | 139  | 336144   | 84.359 | ng    | 84       |
| 56) 2,4-Dinitrotoluene         | 10.25 | 165  | 299047   | 48.307 | ng    | # 91     |
| 57) Fluorene                   | 10.62 | 166  | 943900   | 44.199 | ng    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.39 | 232  | 278501   | 48.133 | ng    | # 85     |
| 59) Diethylphthalate           | 10.48 | 149  | 972862   | 43.706 | ng    | 95       |
| 60) 4-Chlorophenyl-phenylether | 10.60 | 204  | 486758   | 43.742 | ng    | 94       |
| 61) 4-Nitroaniline             | 10.64 | 138  | 235383   | 45.244 | ng    | 93       |
| 62) Azobenzene                 | 10.77 | 77   | 993226   | 43.207 | ng    | 93       |
| 64) 4,6-Dinitro-2-methylphenol | 10.66 | 198  | 104106   | 42.929 | ng    | 92       |
| 65) n-Nitrosodiphenylamine     | 10.72 | 169  | 859115   | 44.340 | ng    | 97       |
| 66) 4-Bromophenyl-phenylether  | 11.09 | 248  | 315057   | 44.216 | ng    | # 89     |
| 67) Hexachlorobenzene          | 11.17 | 284  | 327249   | 43.650 | ng    | # 89     |
| 68) Atrazine                   | 11.25 | 200  | 293512   | 45.164 | ng    | 95       |
| 69) Pentachlorophenol          | 11.36 | 266  | 319340   | 88.992 | ng    | 98       |
| 70) Phenanthrene               | 11.59 | 178  | 1383125  | 44.724 | ng    | 99       |
| 71) Anthracene                 | 11.64 | 178  | 1417541  | 44.722 | ng    | 98       |
| 72) Carbazole                  | 11.79 | 167  | 1259595  | 44.727 | ng    | 99       |
| 73) Di-n-butylphthalate        | 12.11 | 149  | 1488545  | 46.665 | ng    | 99       |
| 74) Fluoranthene               | 12.78 | 202  | 1521259  | 45.072 | ng    | 95       |
| 76) Benzidine                  | 12.89 | 184  | 643982   | 31.985 | ng    | 99       |
| 77) Pyrene                     | 13.01 | 202  | 1529926  | 44.844 | ng    | 98       |
| 79) Butylbenzylphthalate       | 13.61 | 149  | 644965   | 47.609 | ng    | 93       |
| 80) Benzo(a)anthracene         | 14.21 | 228  | 1379297  | 44.600 | ng    | 98       |
| 81) 3,3'-Dichlorobenzidine     | 14.16 | 252  | 333204   | 30.064 | ng    | # 97     |
| 82) Chrysene                   | 14.25 | 228  | 1250707  | 44.112 | ng    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 14.17 | 149  | 834534   | 45.490 | ng    | 100      |
| 84) Di-n-octyl phthalate       | 14.79 | 149  | 1322248  | 47.259 | ng    | 96       |
| 85) Indeno(1,2,3-cd)pyrene     | 17.41 | 276  | 916729   | 37.316 | ng    | # 91     |
| 87) Benzo(b)fluoranthene       | 15.31 | 252  | 1146496  | 47.424 | ng    | 97       |
| 88) Benzo(k)fluoranthene       | 15.34 | 252  | 1025566  | 46.149 | ng    | # 96     |
| 89) Benzo(a)pyrene             | 15.71 | 252  | 992769   | 45.859 | ng    | # 96     |
| 90) Dibenzo(a,h)anthracene     | 17.42 | 278  | 764379   | 42.674 | ng    | # 95     |
| 91) Benzo(g,h,i)perylene       | 17.90 | 276  | 762944   | 43.256 | ng    | # 90     |

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

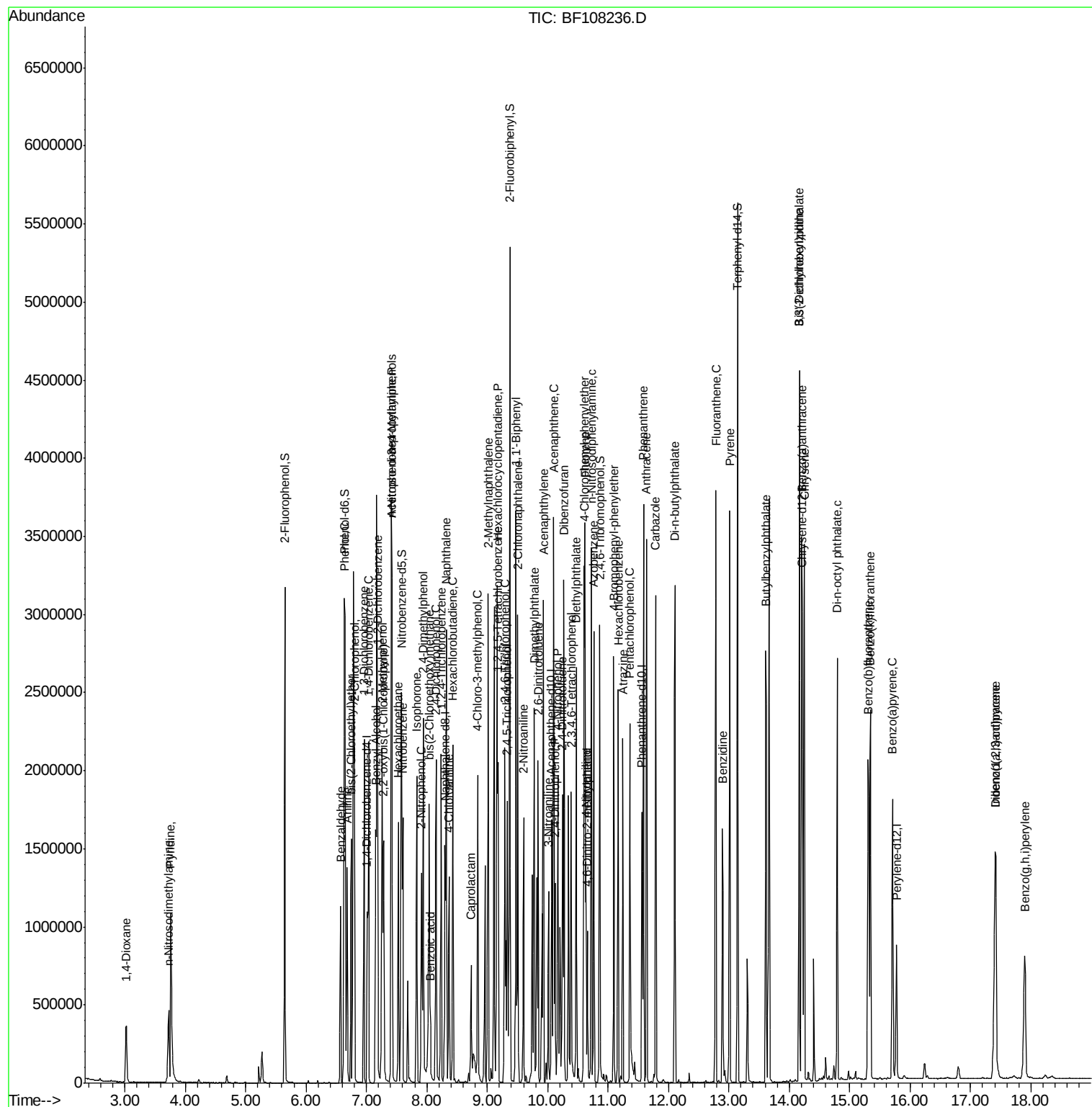
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081718\  
Data File : BF108236.D  
Acq On : 17 Aug 2018 11:52  
Operator : JU/SJ  
Sample : PB112112BS  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

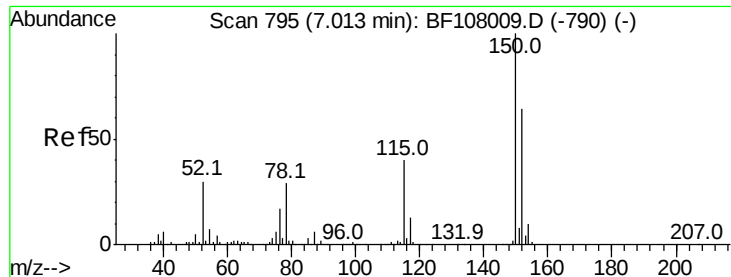
Instrument :  
BNA\_F  
ClientSampleId :  
PB112112BS

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#1

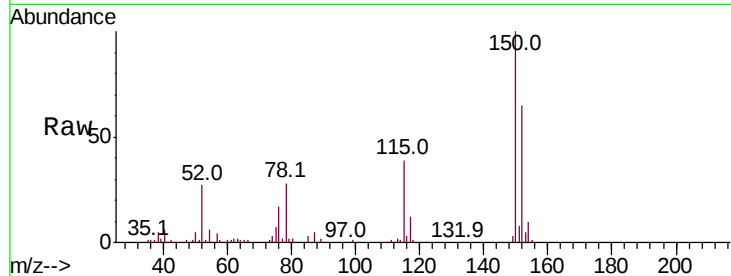
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.01 min Scan# 795  
Delta R.T. -0.00 min  
Lab File: BF108236.D  
Acq: 17 Aug 2018 11:52

Instrument :  
BNA\_F  
ClientSampleId :  
PB112112BS

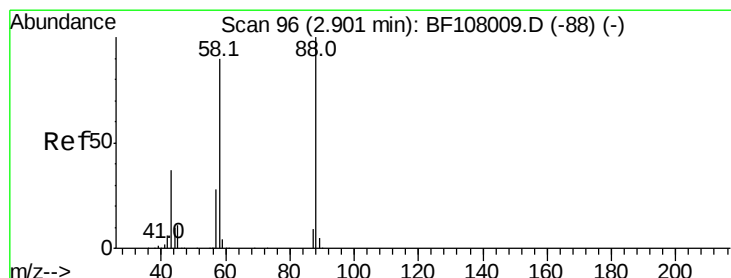
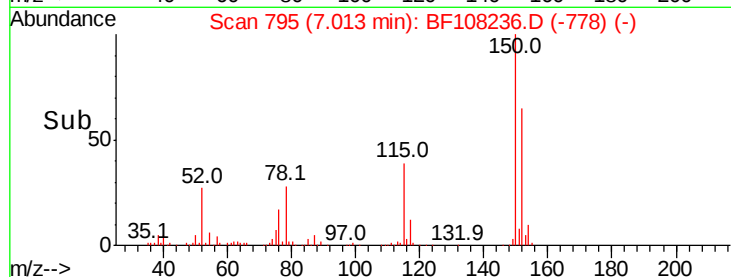
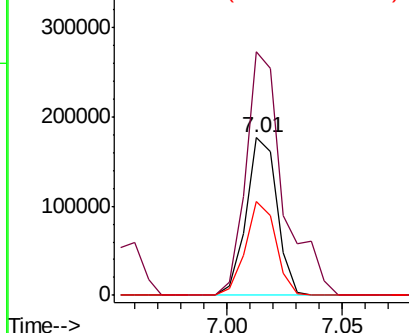
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 154.5 | 124.6 | 186.8 |
| 115     | 59.8  | 50.1  | 75.1  |

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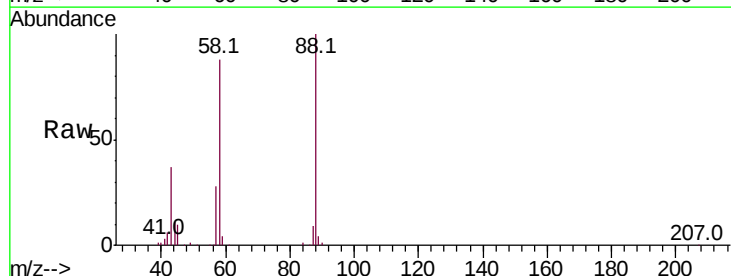
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



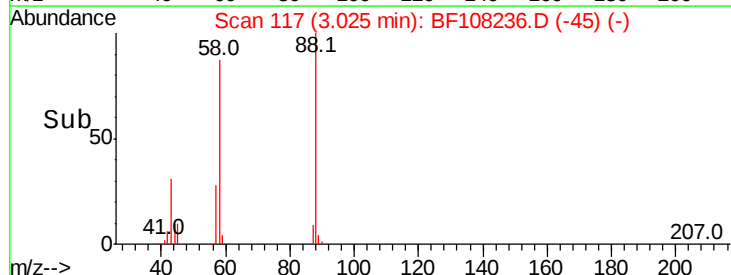
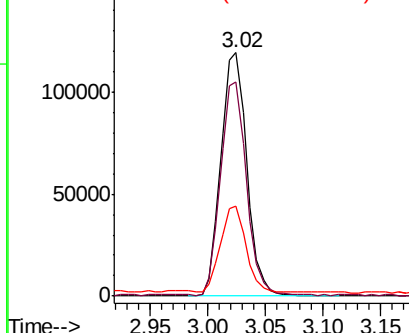
#2

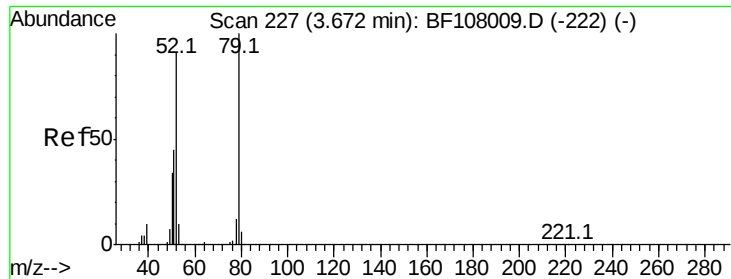
1,4-Dioxane  
Concen: 39.416 ng  
RT: 3.02 min Scan# 117  
Delta R.T. 0.12 min  
Lab File: BF108236.D  
Acq: 17 Aug 2018 11:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 87.6  | 62.6  | 93.8  |
| 43      | 34.7  | 24.6  | 37.0  |



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





#3

Pvridine

Concen: 41.184 ng

RT: 3.76 min Scan# 242

Delta R.T. 0.09 min

Lab File: BF108236.D

Acq: 17 Aug 2018 11:52

Instrument :

BNA\_F

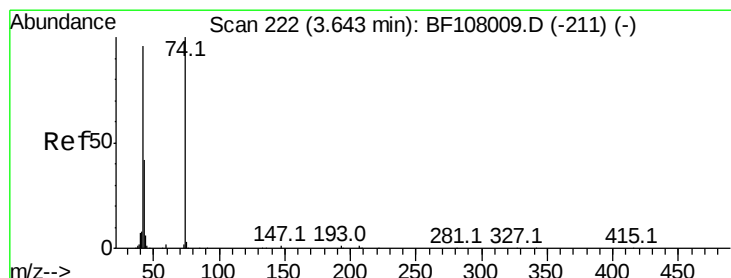
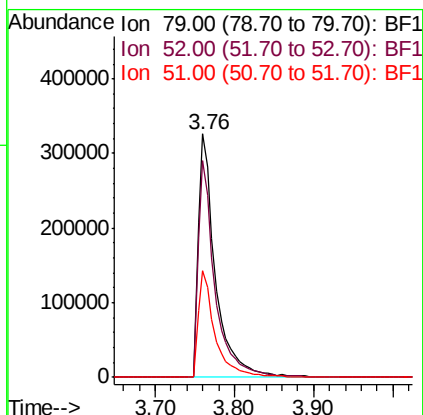
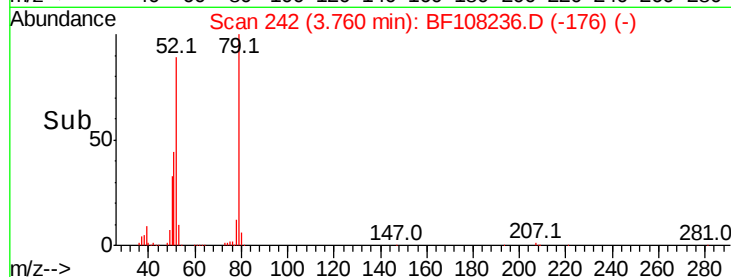
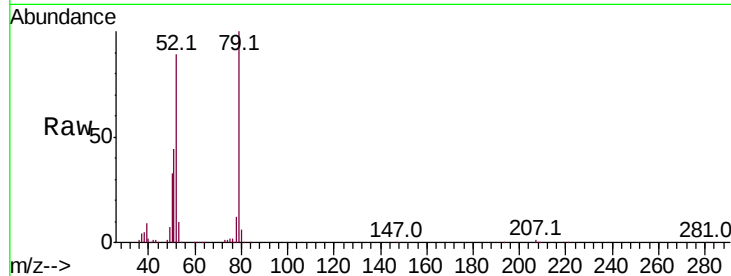
ClientSampleId :

PB112112BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 79    | Resp: | 499914 |
| Ion Ratio | Lower | Upper |        |
| 79        | 100   |       |        |
| 52        | 89.0  | 59.8  | 89.6   |
| 51        | 43.7  | 29.8  | 44.8   |

Manual Integrations  
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#4

n-Nitrosodimethylamine

Concen: 39.026 ng

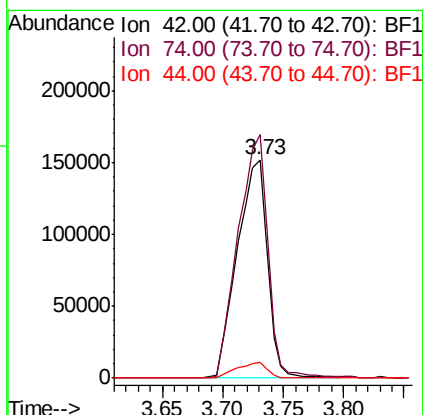
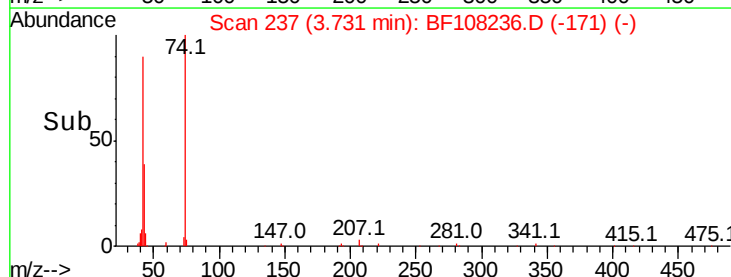
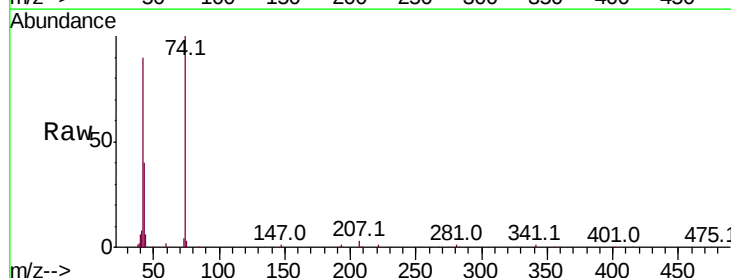
RT: 3.73 min Scan# 237

Delta R.T. 0.09 min

Lab File: BF108236.D

Acq: 17 Aug 2018 11:52

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 42    | Resp: | 266557 |
| Ion Ratio | Lower | Upper |        |
| 42        | 100   |       |        |
| 74        | 111.5 | 104.9 | 157.3  |
| 44        | 7.1   | 6.9   | 10.3   |





#5

2-Fluorophenol

Concen: 90.881 ng

RT: 5.65 min Scan# 564

Delta R.T. 0.02 min

Lab File: BF108236.D

Acq: 17 Aug 2018 11:52

Instrument :

BNA\_F

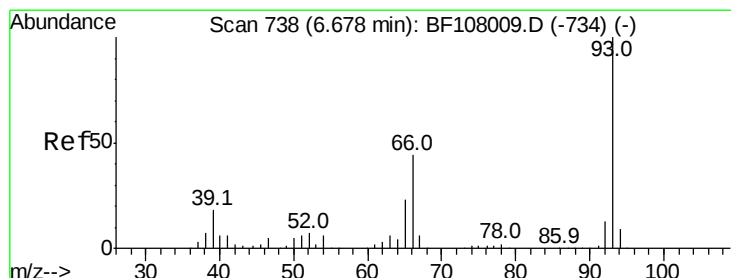
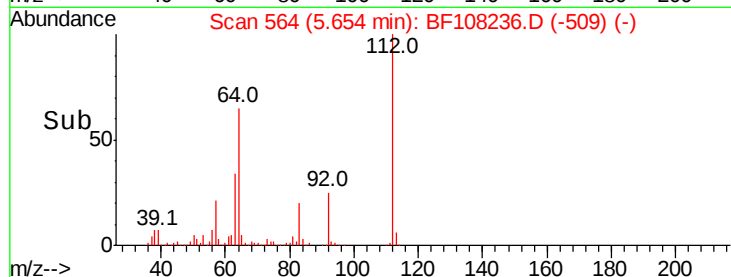
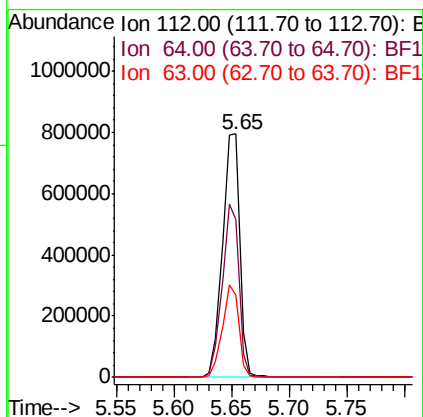
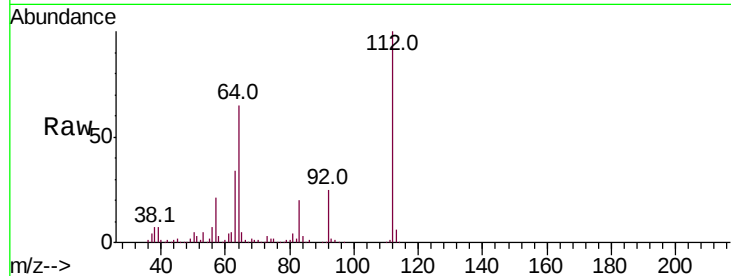
ClientSampleId :

PB112112BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 112   | Resp: | 833431 |
| Ion Ratio | Lower | Upper |        |
| 112       | 100   |       |        |
| 64        | 65.0  | 47.9  | 71.9   |
| 63        | 33.9  | 23.7  | 35.5   |

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#6

Aniline

Concen: 32.174 ng

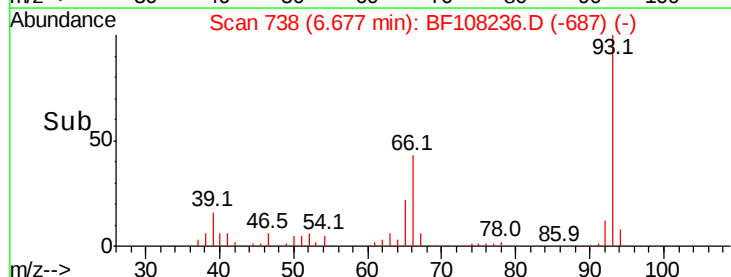
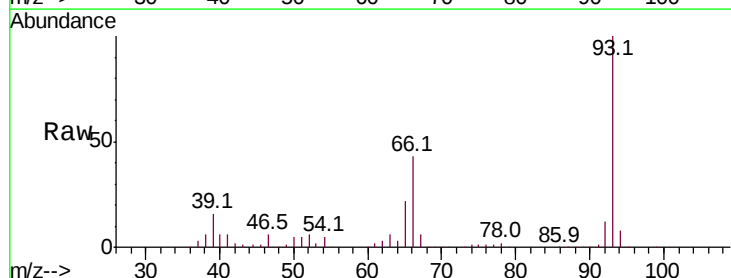
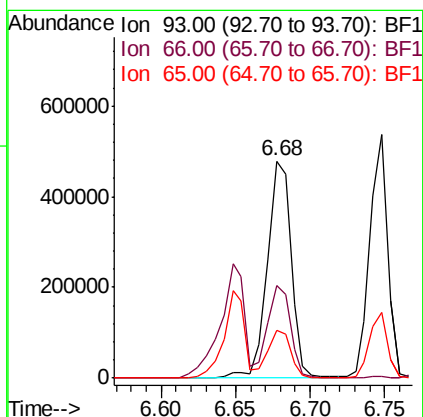
RT: 6.68 min Scan# 738

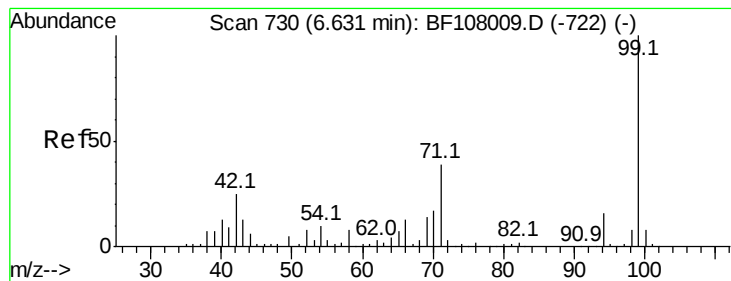
Delta R.T. -0.00 min

Lab File: BF108236.D

Acq: 17 Aug 2018 11:52

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 93    | Resp: | 533316 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 66        | 42.6  | 32.2  | 48.2   |
| 65        | 22.2  | 16.4  | 24.6   |





#7

Phenol-d6

Concen: 92.993 ng

RT: 6.64 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF108236.D

Acq: 17 Aug 2018 11:52

Instrument :

BNA\_F

ClientSampleId :

PB112112BS

Tot Ion: 99 Resp: 1133252

Ion Ratio Lower Upper

99 100

42 23.4 14.5 21.7#

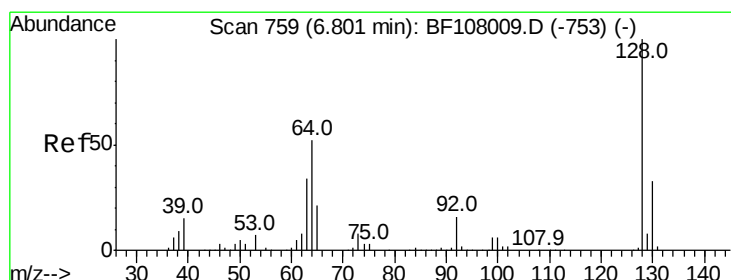
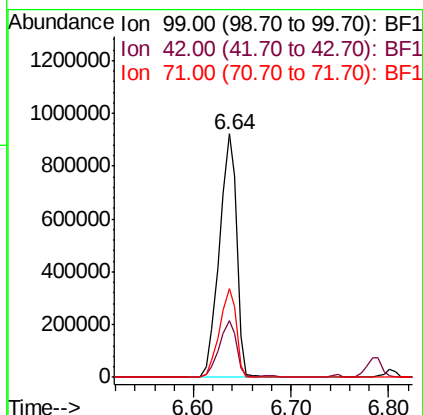
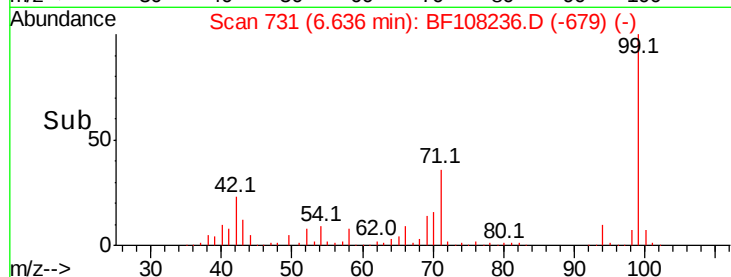
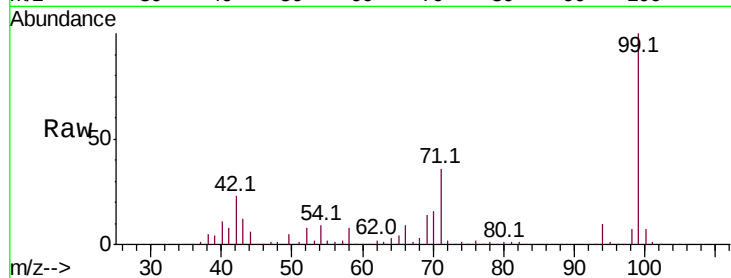
71 36.2 25.4 38.0

Manual Integrations

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#8

2-Chlorophenol

Concen: 44.349 ng

RT: 6.80 min Scan# 759

Delta R.T. -0.00 min

Lab File: BF108236.D

Acq: 17 Aug 2018 11:52

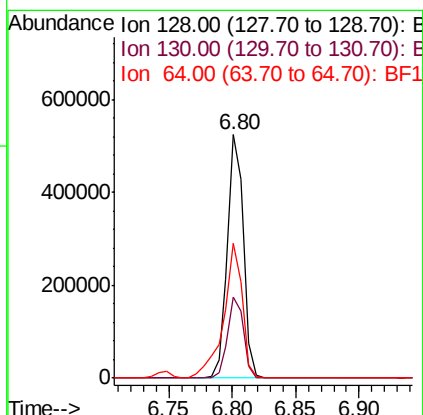
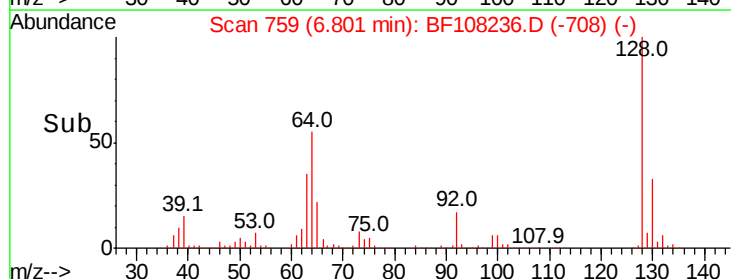
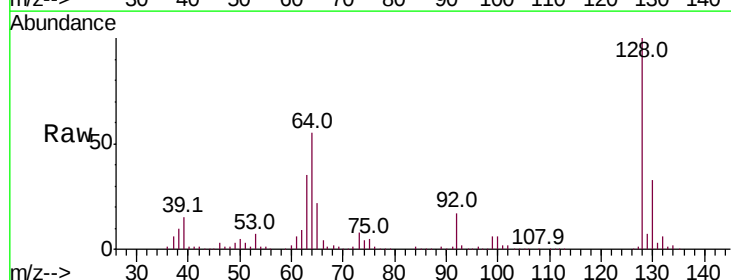
Tgt Ion:128 Resp: 458057

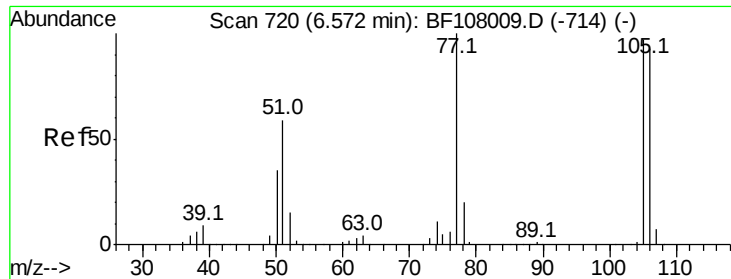
Ion Ratio Lower Upper

128 100

130 33.2 13.0 53.0

64 55.1 29.4 69.4





#9

Benzaldehyde

Concen: 22.296 ng

RT: 6.57 min Scan# 720

Delta R.T. -0.00 min

Lab File: BF108236.D

Acq: 17 Aug 2018 11:52

Instrument :

BNA\_F

ClientSampleId :

PB112112BS

Tot Ion: 77 Resp: 210661

Ion Ratio Lower Upper

77 100

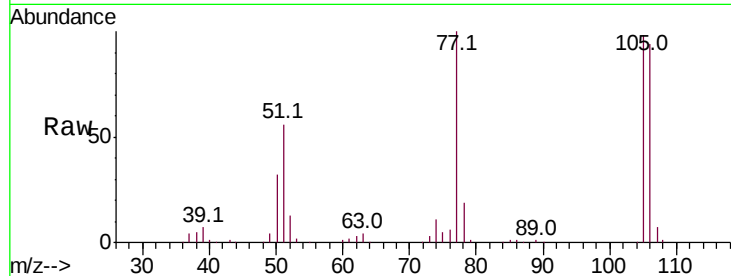
105 97.6 81.1 121.1

106 93.8 74.5 114.5

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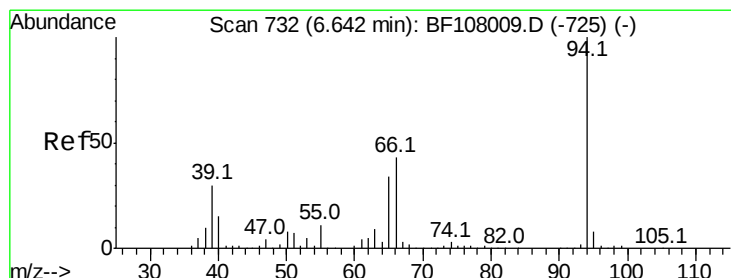
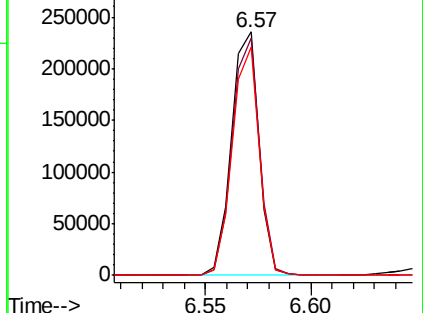
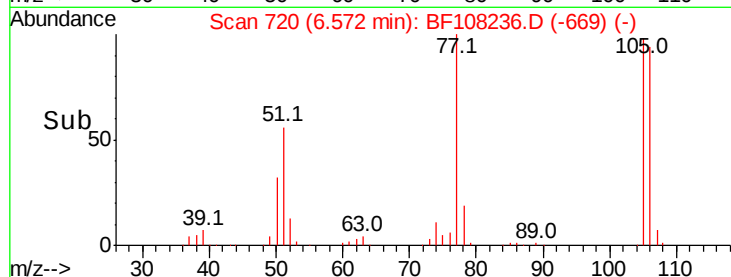
8/20/2018 12:48:17 PM



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 44.242 ng

RT: 6.65 min Scan# 733

Delta R.T. 0.01 min

Lab File: BF108236.D

Acq: 17 Aug 2018 11:52

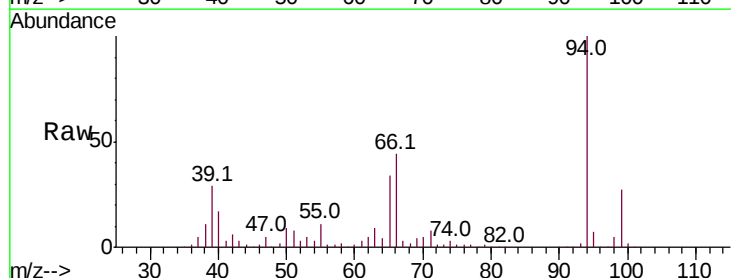
Tgt Ion: 94 Resp: 557692

Ion Ratio Lower Upper

94 100

65 33.7 7.9 47.9

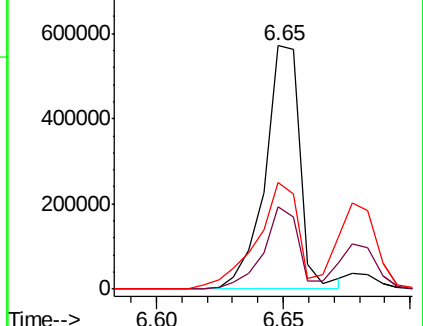
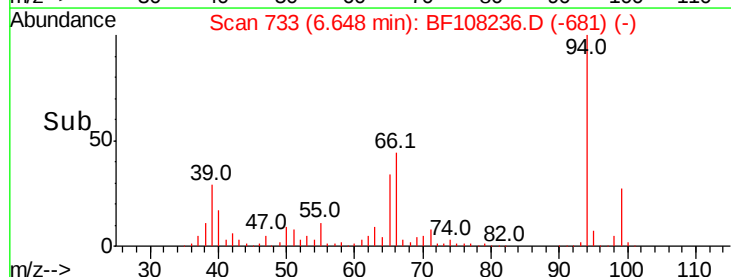
66 43.9 16.2 56.2

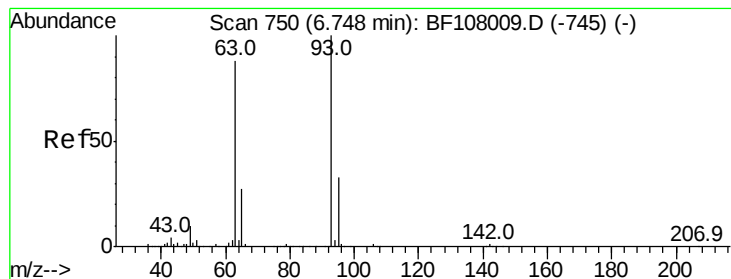


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





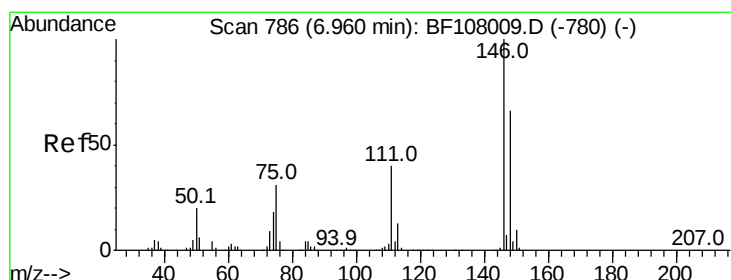
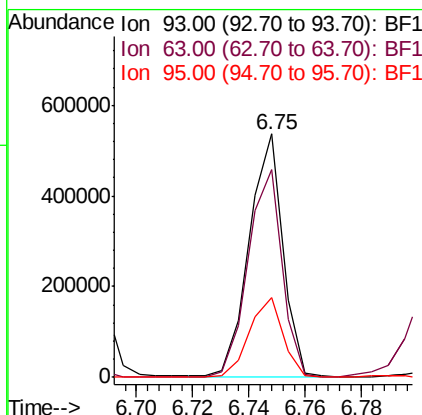
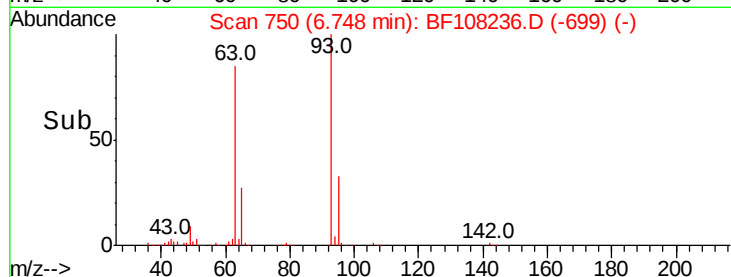
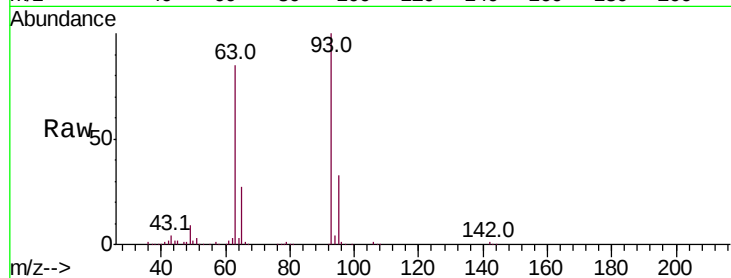
#11  
bis(2-Chloroethyl)ether  
Concen: 43.468 ng  
RT: 6.75 min Scan# 750  
Delta R.T. -0.00 min  
Lab File: BF108236.D  
Acq: 17 Aug 2018 11:52

Instrument :  
BNA\_F  
ClientSampleId :  
PB112112BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 63      | 85.3  | 58.6  | 98.6  |
| 95      | 32.6  | 11.8  | 51.8  |

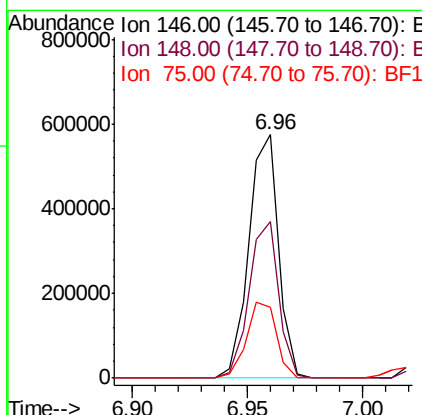
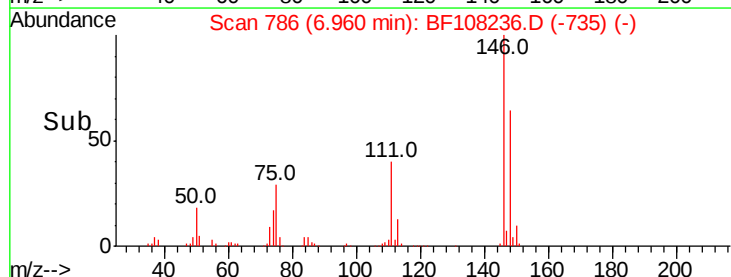
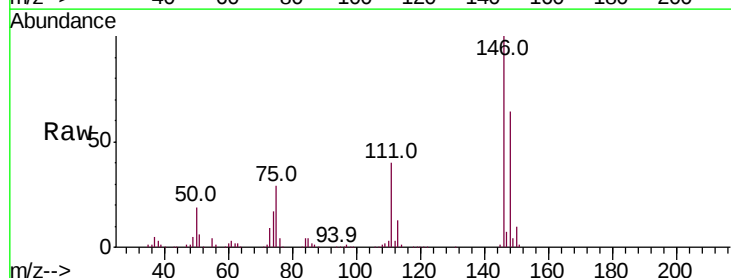
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#12  
1,3-Dichlorobenzene  
Concen: 43.265 ng  
RT: 6.96 min Scan# 786  
Delta R.T. -0.00 min  
Lab File: BF108236.D  
Acq: 17 Aug 2018 11:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 64.5  | 51.8  | 77.8  |
| 75      | 29.3  | 24.2  | 36.4  |





#13

1,4-Dichlorobenzene

Concen: 43.013 ng

RT: 7.04 min Scan# 799

Delta R.T. -0.00 min

Lab File: BF108236.D

Acq: 17 Aug 2018 11:52

Instrument :

BNA\_F

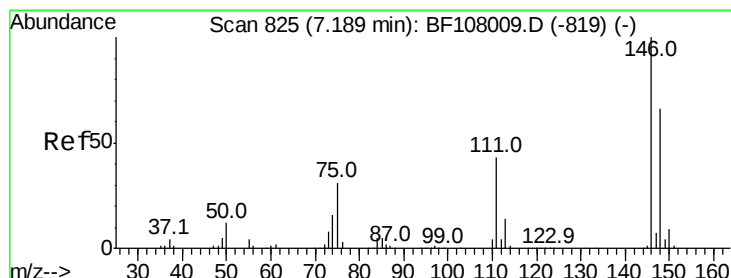
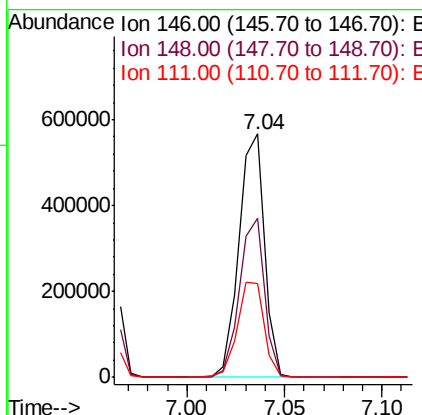
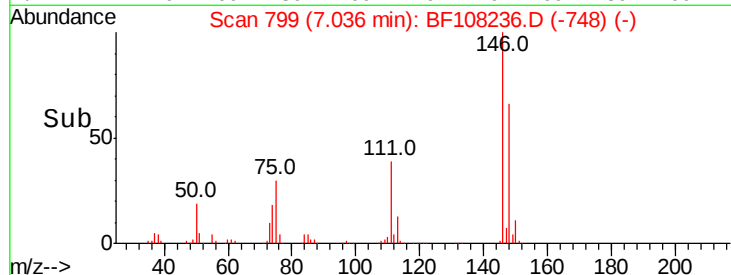
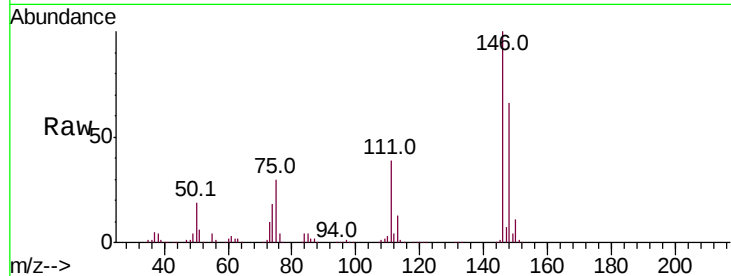
ClientSampleId :

PB112112BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 516102 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 65.6  | 50.8  | 76.2   |
| 111       | 38.5  | 34.2  | 51.2   |

Manual Integrations  
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#14

1,2-Dichlorobenzene

Concen: 42.835 ng

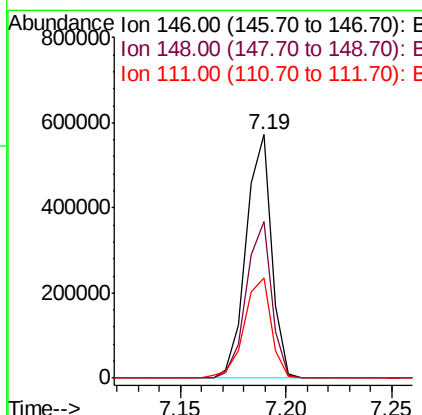
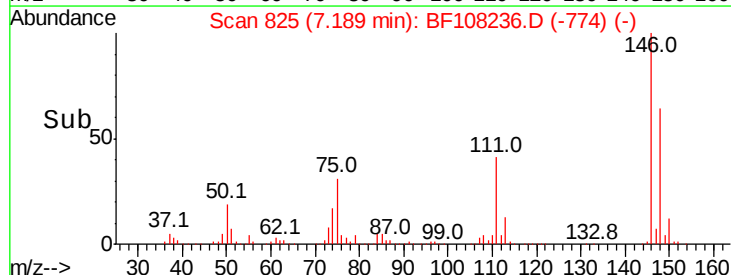
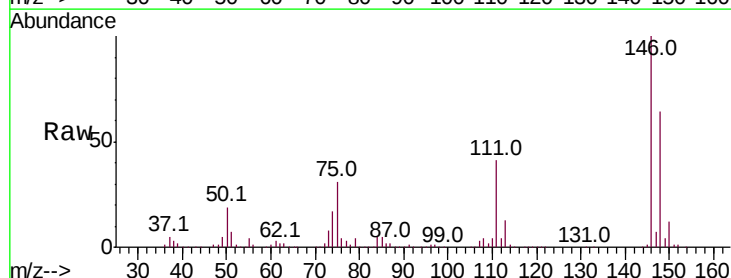
RT: 7.19 min Scan# 825

Delta R.T. -0.00 min

Lab File: BF108236.D

Acq: 17 Aug 2018 11:52

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 478080 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 64.3  | 50.6  | 75.8   |
| 111       | 41.1  | 36.0  | 54.0   |





#15

Benzyl Alcohol

Concen: 39.431 ng

RT: 7.15 min Scan# 819

Delta R.T. 0.01 min

Lab File: BF108236.D

Acq: 17 Aug 2018 11:52

Instrument :

BNA\_F

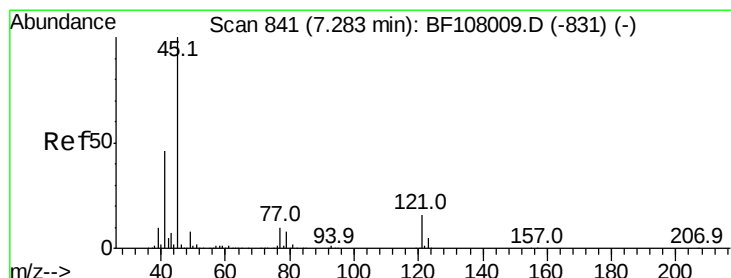
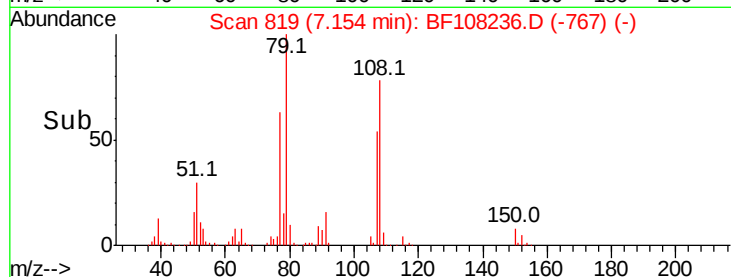
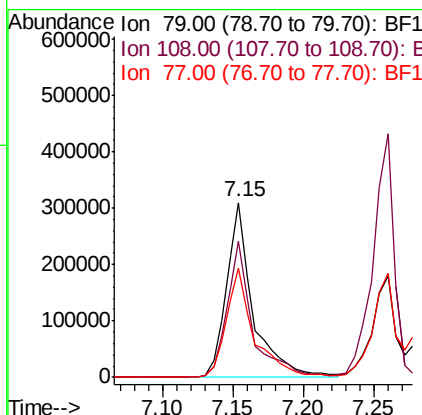
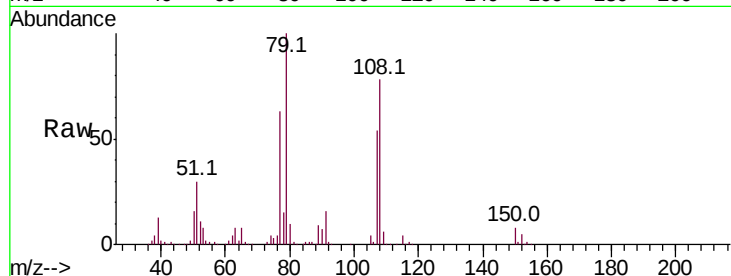
ClientSampled :

PB112112BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 79    | Resp: | 404522 |
| Ion Ratio | Lower | Upper |        |
| 79        | 100   |       |        |
| 108       | 77.6  | 65.1  | 97.7   |
| 77        | 62.9  | 50.6  | 75.8   |

Manual Integrations  
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#16

2,2'-oxybis(1-chloropropane)

Concen: 40.904 ng

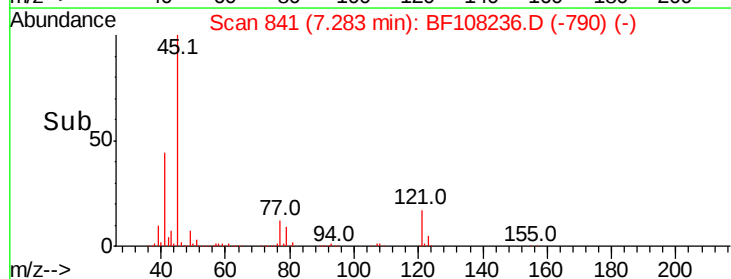
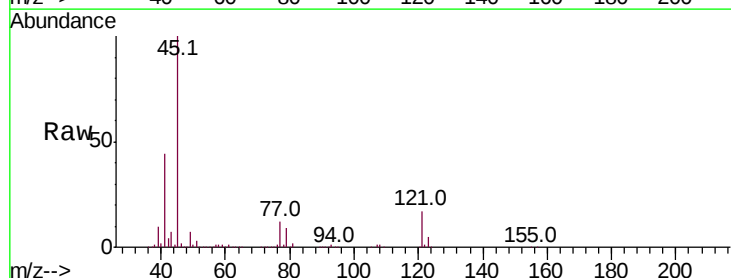
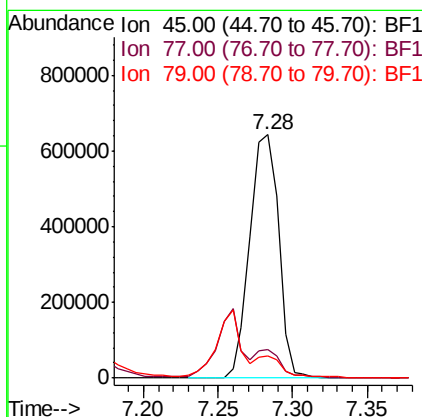
RT: 7.28 min Scan# 841

Delta R.T. -0.00 min

Lab File: BF108236.D

Acq: 17 Aug 2018 11:52

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 45    | Resp: | 858740 |
| Ion Ratio | Lower | Upper |        |
| 45        | 100   |       |        |
| 77        | 11.6  | 0.0   | 32.9   |
| 79        | 9.3   | 0.0   | 29.6   |





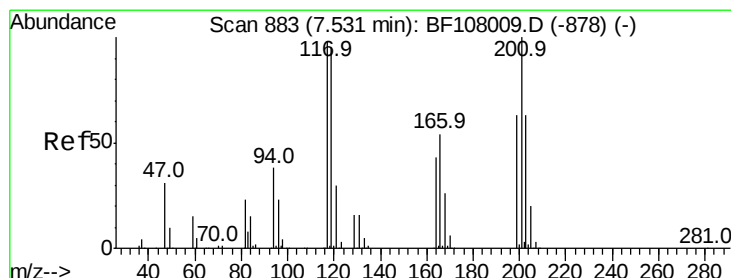
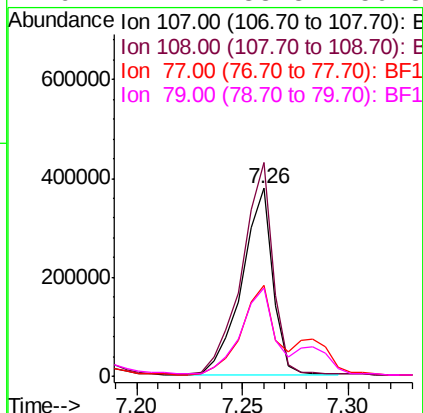
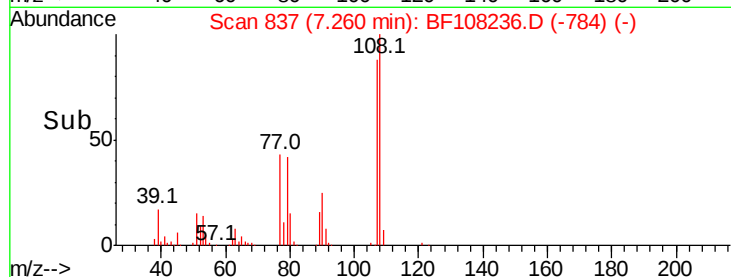
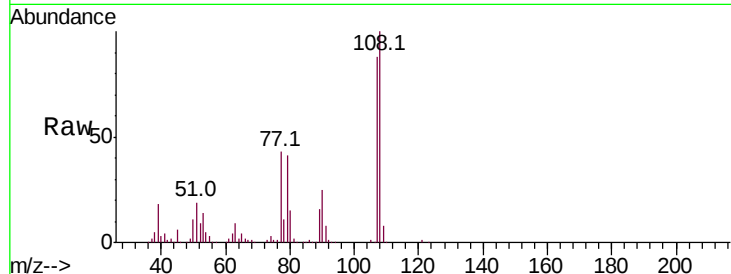
#17  
2-Methylphenol  
Concen: 43.713 ng  
RT: 7.26 min Scan# 837  
Delta R.T. 0.01 min  
Lab File: BF108236.D  
Acq: 17 Aug 2018 11:52

Instrument :  
BNA\_F  
ClientSampleId :  
PB112112BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 107     | 100   |      |       |       |
| 108     | 113.6 | 91.7 | 137.5 |       |
| 77      | 48.6  | 33.8 | 50.8  |       |
| 79      | 47.1  | 33.8 | 50.8  |       |

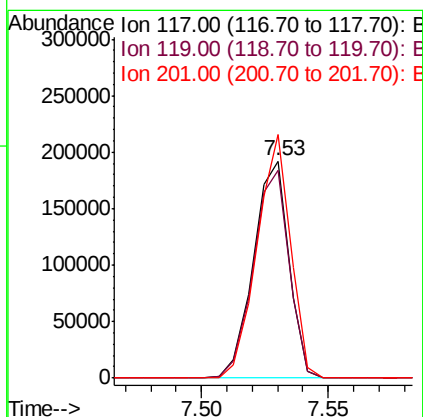
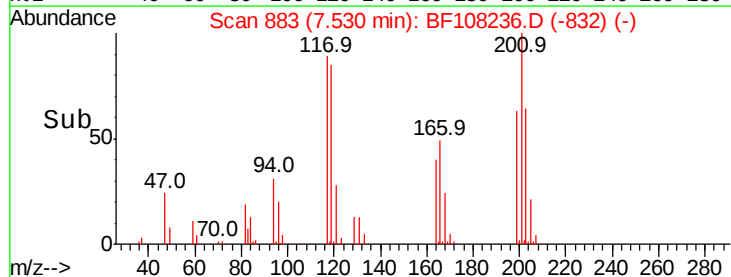
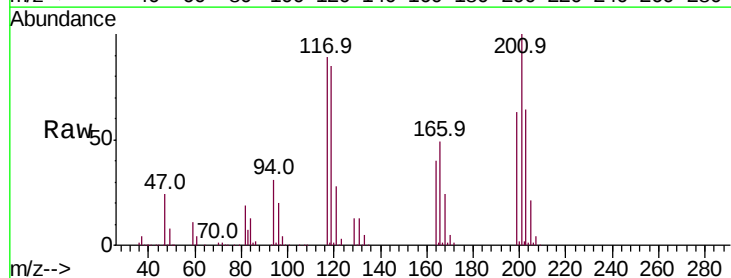
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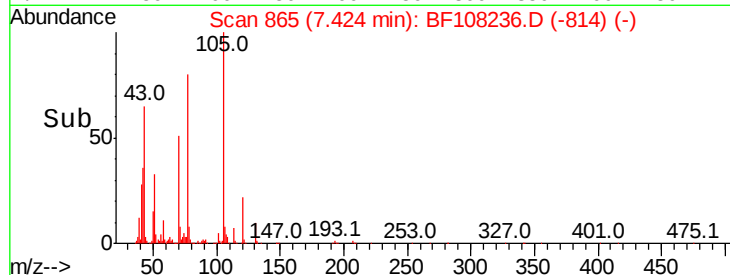
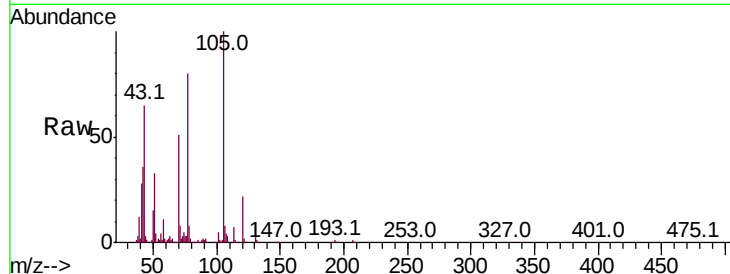
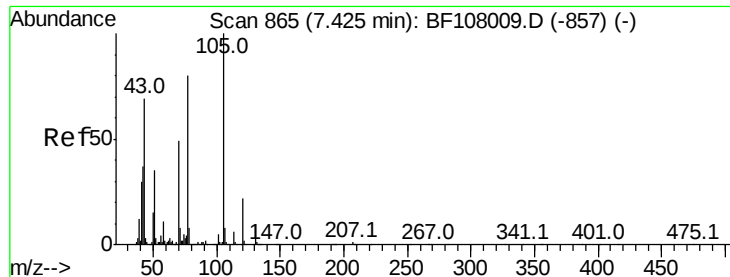
Sohil  
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#18  
Hexachloroethane  
Concen: 43.976 ng  
RT: 7.53 min Scan# 883  
Delta R.T. -0.00 min  
Lab File: BF108236.D  
Acq: 17 Aug 2018 11:52

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 117     | 100   |      |       |       |
| 119     | 95.5  | 75.8 | 113.8 |       |
| 201     | 112.2 | 75.7 | 113.5 |       |





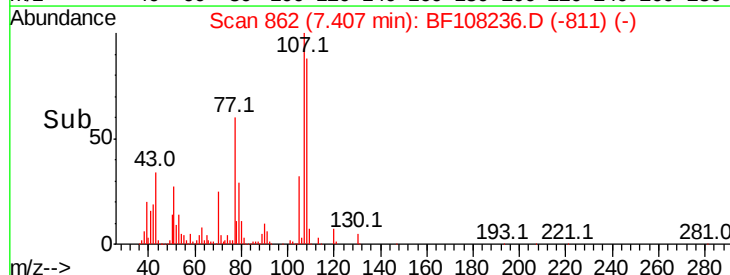
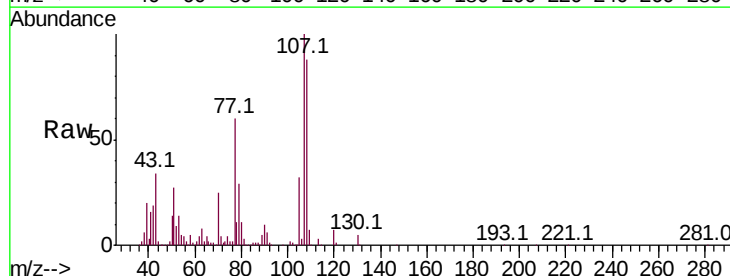
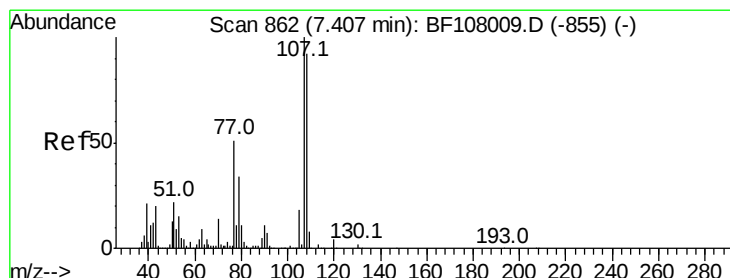
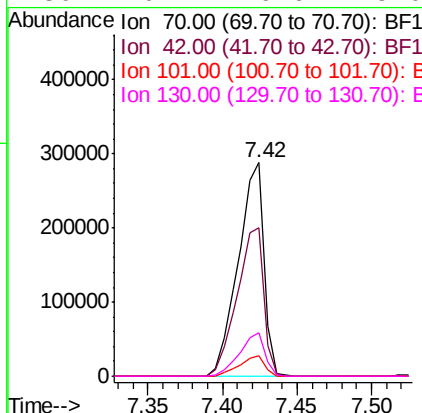
#19  
n-Nitroso-di-n-propylamine  
Concen: 41.978 ng  
RT: 7.42 min Scan# 865  
Delta R.T. -0.00 min  
Lab File: BF108236.D  
Acq: 17 Aug 2018 11:52

Instrument :  
BNA\_F  
ClientSampleId :  
PB112112BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 69.4  | 47.5  | 71.3  |
| 101     | 9.8   | 7.4   | 11.2  |
| 130     | 20.1  | 16.6  | 25.0  |

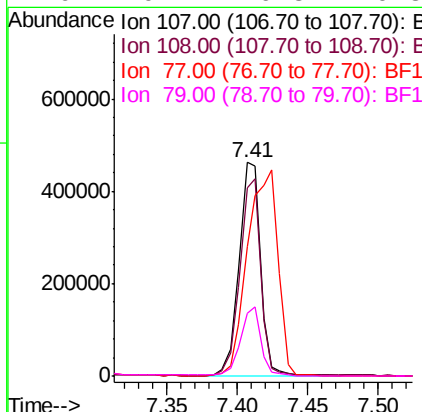
Manual Integrations  
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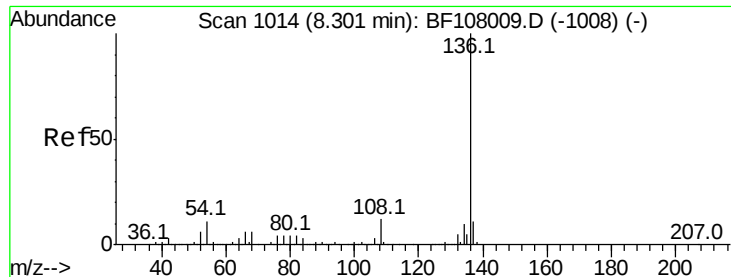
Sohil  
8/20/2018 12:48:17 PM



#20  
3+4-Methylphenols  
Concen: 42.728 ng  
RT: 7.41 min Scan# 862  
Delta R.T. -0.00 min  
Lab File: BF108236.D  
Acq: 17 Aug 2018 11:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 87.9  | 68.2  | 108.2 |
| 77      | 60.4  | 26.7  | 66.7  |
| 79      | 29.2  | 6.3   | 46.3  |





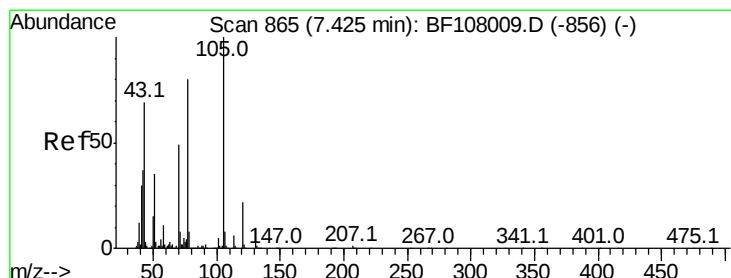
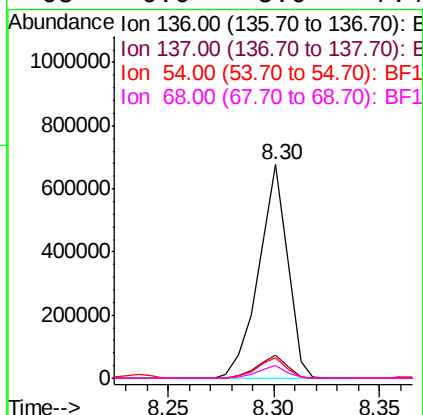
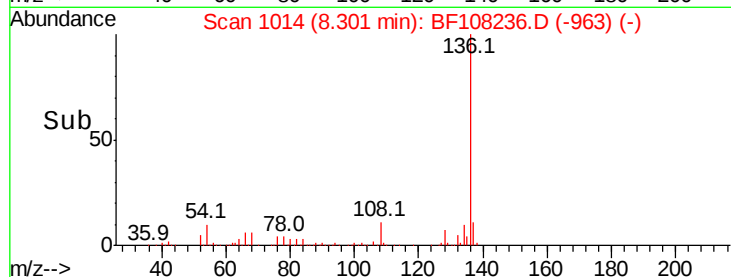
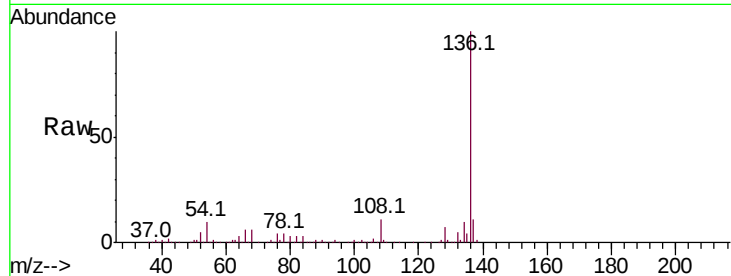
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.30 min Scan# 1014  
Delta R.T. -0.00 min  
Lab File: BF108236.D  
Acq: 17 Aug 2018 11:52

Instrument :  
BNA\_F  
ClientSampleId :  
PB112112BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 136     | 100   |      |       |       |
| 137     | 10.9  | 8.9  | 13.3  |       |
| 54      | 9.8   | 6.6  | 9.8   |       |
| 68      | 6.0   | 5.0  | 7.4   |       |

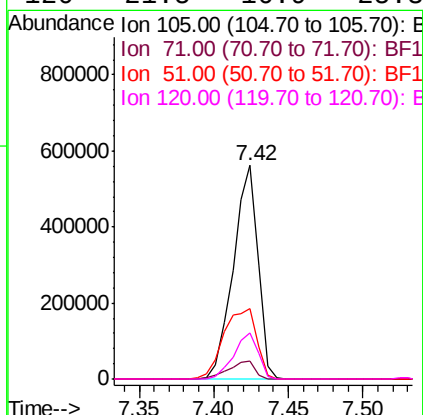
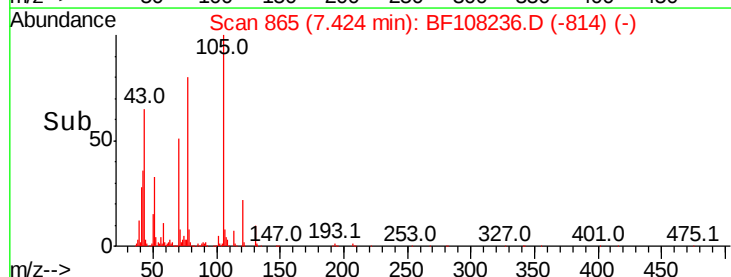
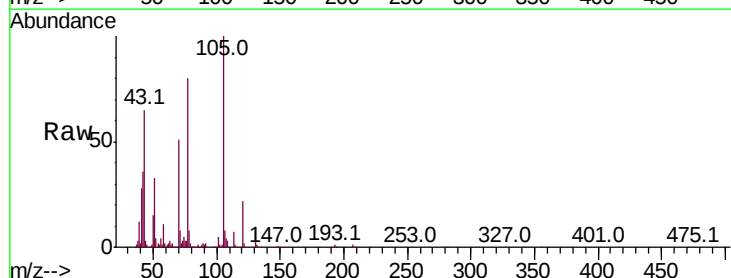
Manual Integrations  
APPROVED

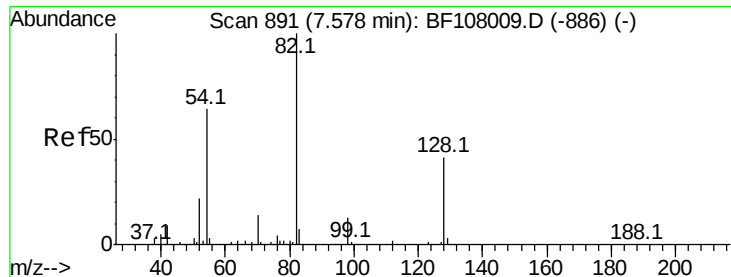
Sohil  
8/20/2018 12:48:17 PM



#22  
Acetophenone  
Concen: 43.052 ng  
RT: 7.42 min Scan# 865  
Delta R.T. -0.00 min  
Lab File: BF108236.D  
Acq: 17 Aug 2018 11:52

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 105     | 100   |      |       |       |
| 71      | 8.3   | 4.4  | 6.6#  |       |
| 51      | 32.8  | 22.3 | 33.5  |       |
| 120     | 21.5  | 16.9 | 25.3  |       |





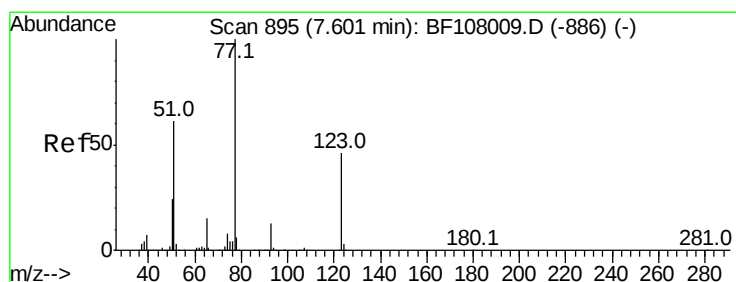
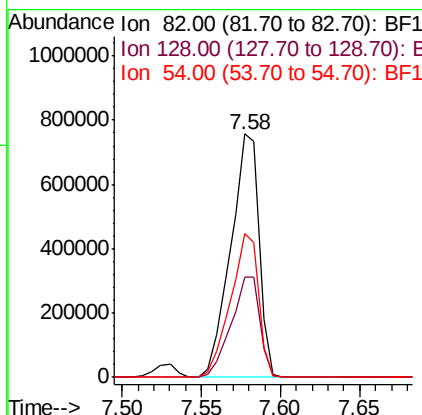
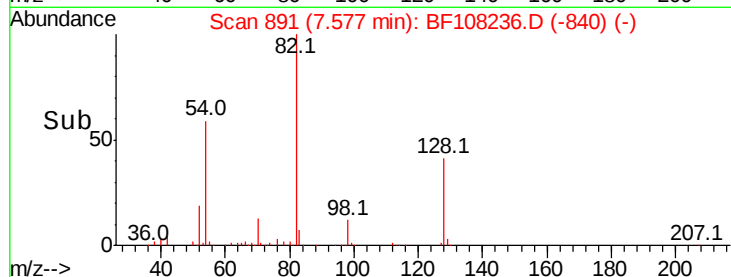
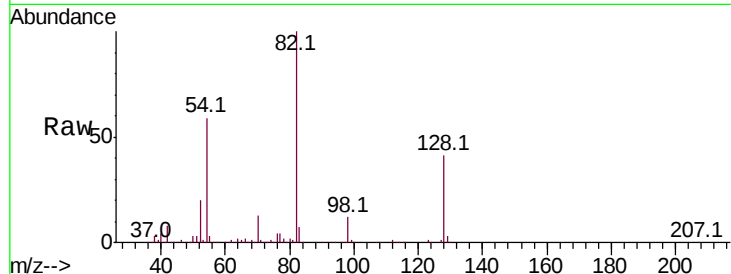
#23  
Nitrobenzene-d5  
Concen: 80.797 ng  
RT: 7.58 min Scan# 891  
Delta R.T. -0.00 min  
Lab File: BF108236.D  
Acq: 17 Aug 2018 11:52

Instrument :  
BNA\_F  
ClientSampleId :  
PB112112BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 82      | 100   |      |       |       |
| 128     | 41.0  | 36.1 | 54.1  |       |
| 54      | 59.2  | 41.4 | 62.2  |       |

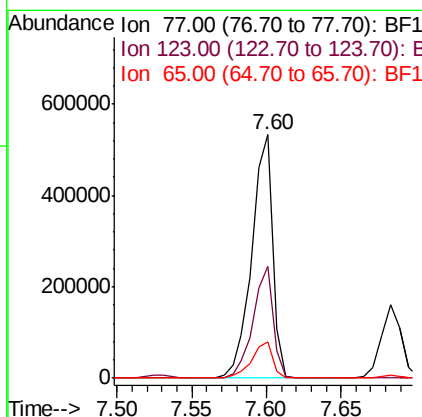
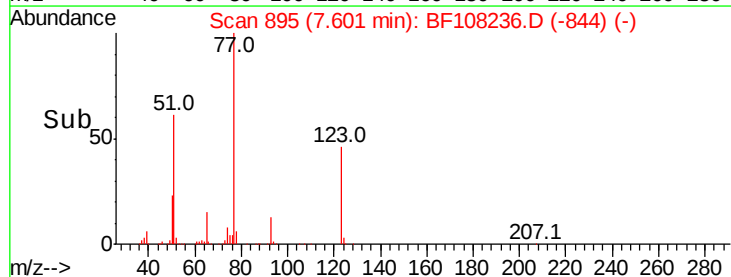
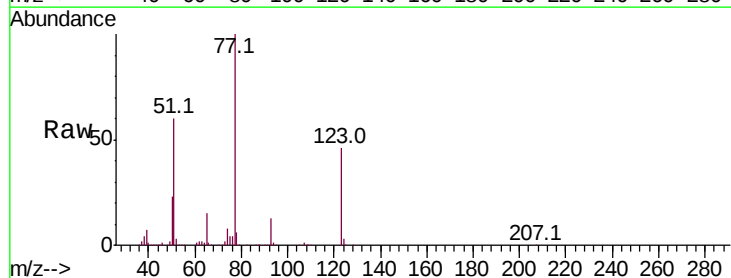
Manual Integrations  
APPROVED

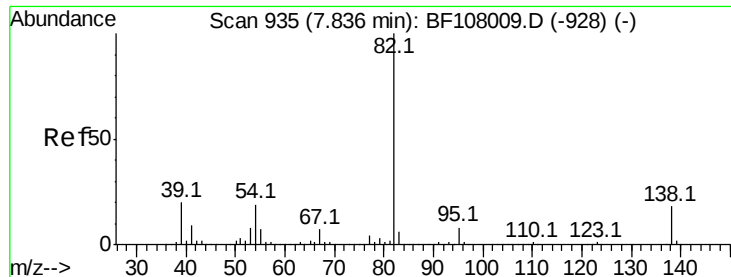
Sohil  
8/20/2018 12:48:17 PM



#24  
Nitrobenzene  
Concen: 43.789 ng  
RT: 7.60 min Scan# 895  
Delta R.T. -0.00 min  
Lab File: BF108236.D  
Acq: 17 Aug 2018 11:52

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 77      | 100   |      |       |       |
| 123     | 45.9  | 37.9 | 56.9  |       |
| 65      | 14.8  | 11.0 | 16.4  |       |





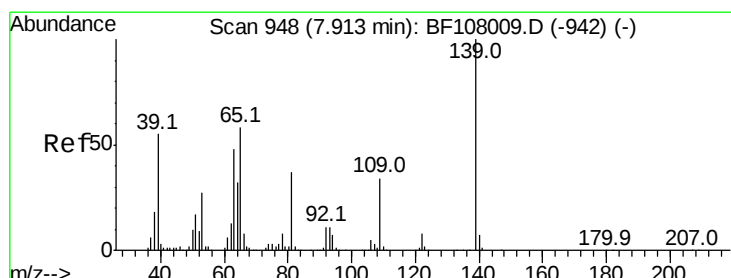
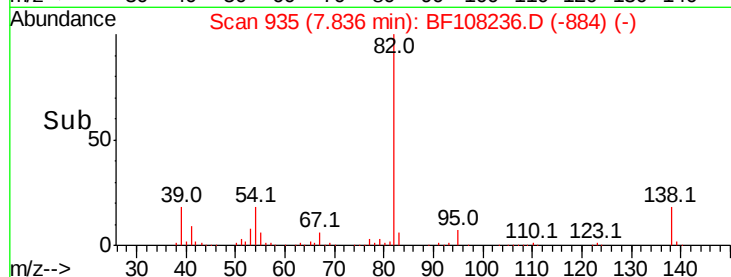
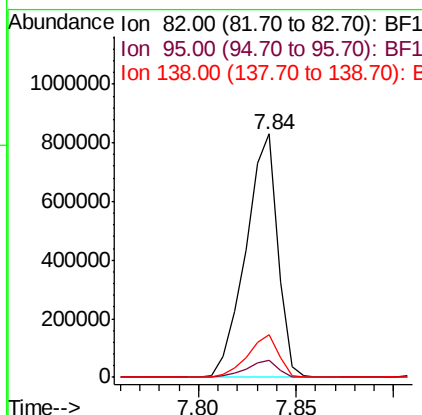
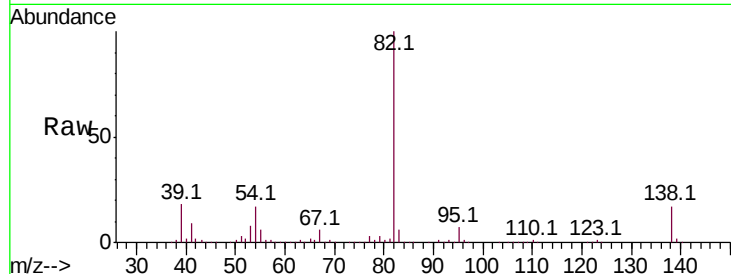
#25  
Isophorone  
Concen: 42.586 ng  
RT: 7.84 min Scan# 935  
Delta R.T. -0.00 min  
Lab File: BF108236.D  
Acq: 17 Aug 2018 11:52

Instrument :  
BNA\_F  
ClientSampled :  
PB112112BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 82      | 100   |      |       |       |
| 95      | 7.2   | 5.2  | 7.8   |       |
| 138     | 17.5  | 14.9 | 22.3  |       |

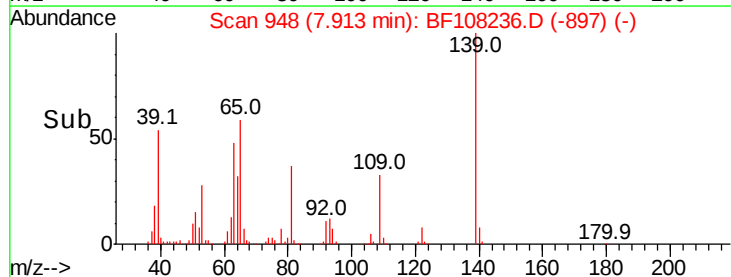
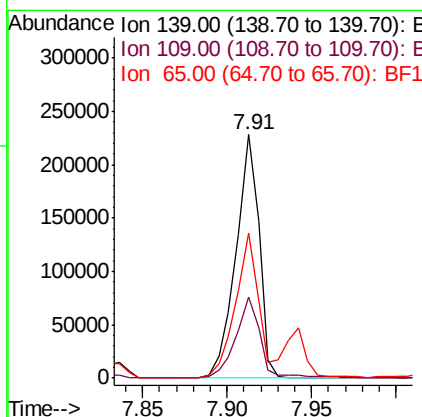
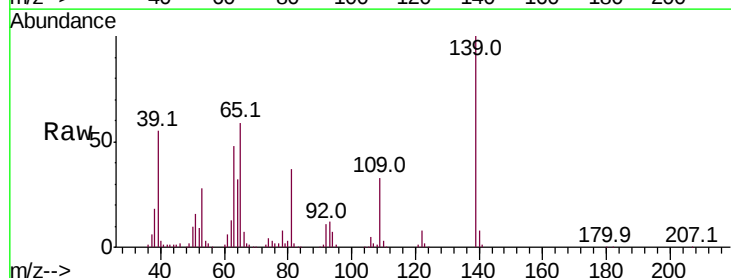
Manual Integrations  
APPROVED

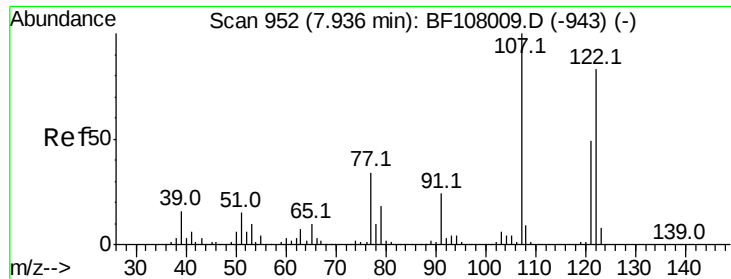
Sohil  
8/20/2018 12:48:17 PM



#26  
2-Nitrophenol  
Concen: 48.987 ng  
RT: 7.91 min Scan# 948  
Delta R.T. -0.00 min  
Lab File: BF108236.D  
Acq: 17 Aug 2018 11:52

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 139     | 100   |      |       |       |
| 109     | 33.1  | 22.7 | 34.1  |       |
| 65      | 59.3  | 40.5 | 60.7  |       |





#27

2,4-Dimethylphenol

Concen: 44.248 ng

RT: 7.94 min Scan# 953

Delta R.T. 0.01 min

Lab File: BF108236.D

Acq: 17 Aug 2018 11:52

Instrument :

BNA\_F

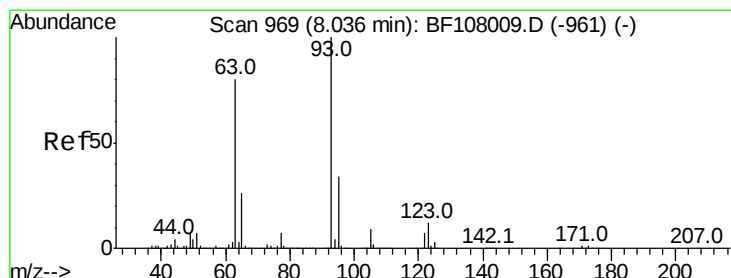
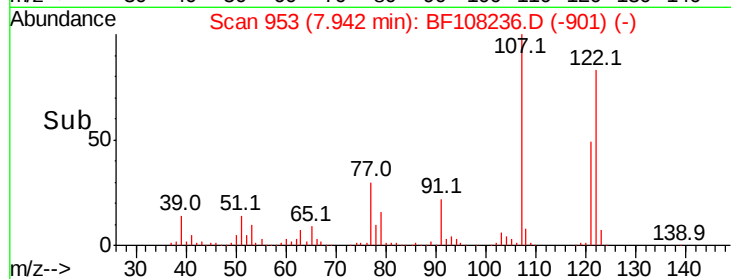
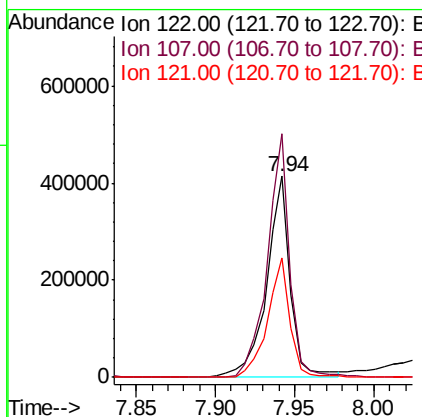
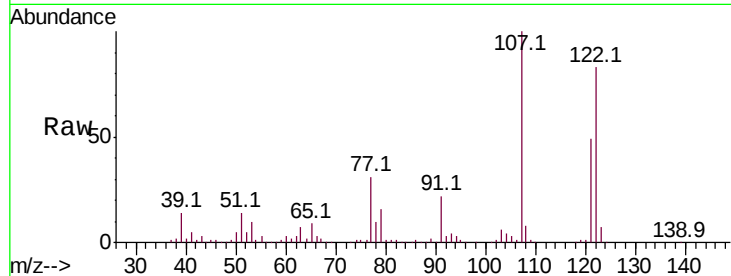
ClientSampleId :

PB112112BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 122   | Resp: | 434844 |
| Ion Ratio | Lower | Upper |        |
| 122       | 100   |       |        |
| 107       | 121.1 | 91.2  | 136.8  |
| 121       | 59.7  | 47.2  | 70.8   |

Manual Integrations  
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#28

bis(2-Chloroethoxy)methane

Concen: 43.641 ng

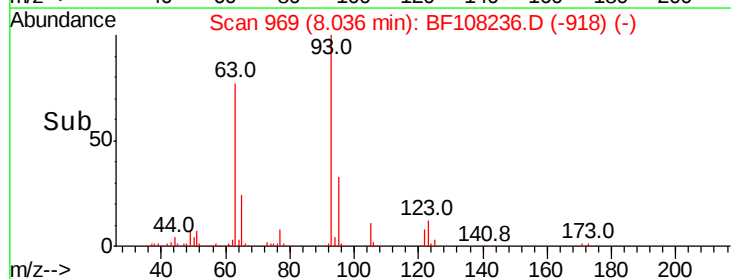
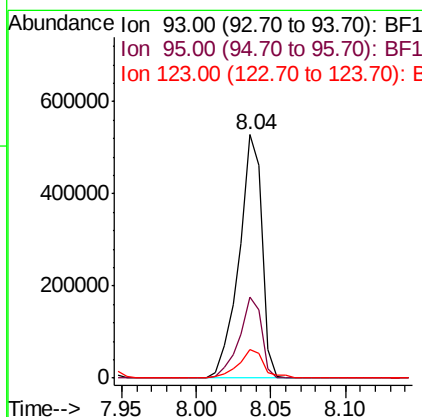
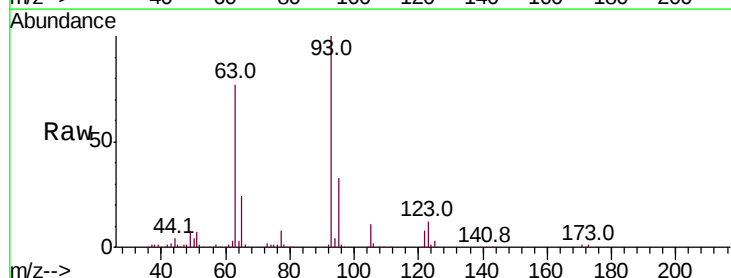
RT: 8.04 min Scan# 969

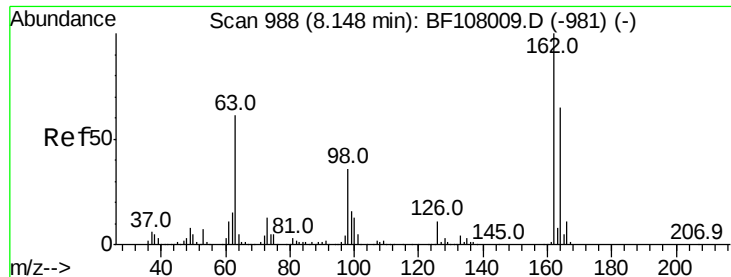
Delta R.T. -0.00 min

Lab File: BF108236.D

Acq: 17 Aug 2018 11:52

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 93    | Resp: | 564115 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 95        | 33.4  | 26.3  | 39.5   |
| 123       | 11.6  | 9.8   | 14.6   |





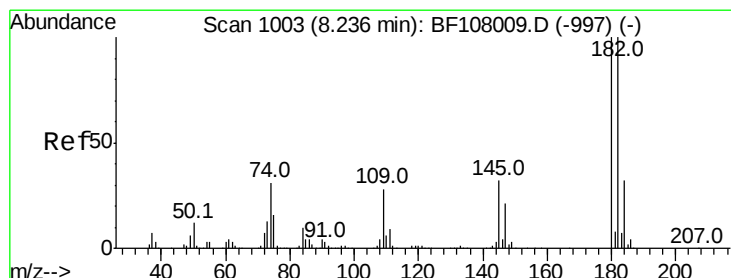
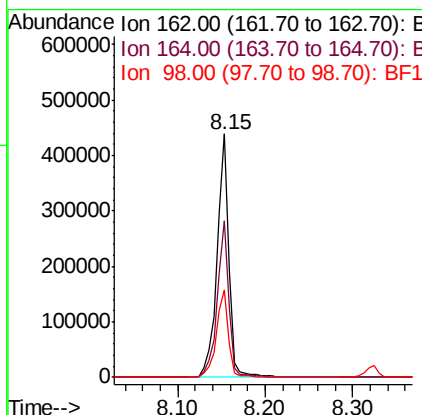
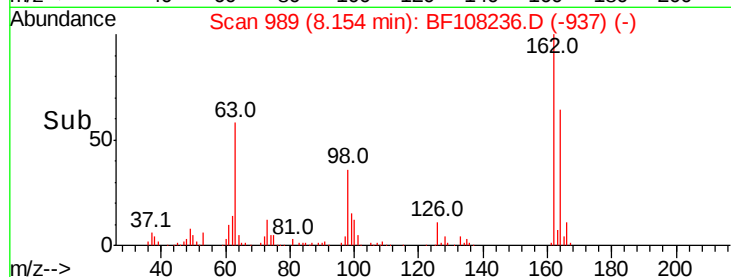
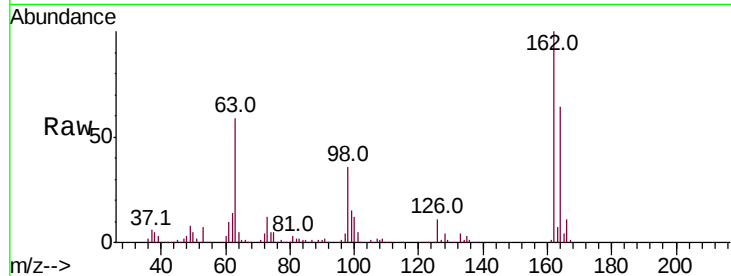
#29  
 2,4-Dichlorophenol  
 Concen: 45.822 ng  
 RT: 8.15 min Scan# 989  
 Delta R.T. 0.01 min  
 Lab File: BF108236.D  
 Acq: 17 Aug 2018 11:52

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB112112BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 162   | Resp: | 414407 |
| Ion Ratio | Lower | Upper |        |
| 162       | 100   |       |        |
| 164       | 64.3  | 42.7  | 82.7   |
| 98        | 35.9  | 18.1  | 58.1   |

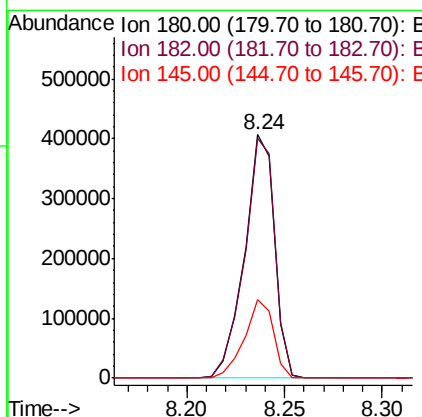
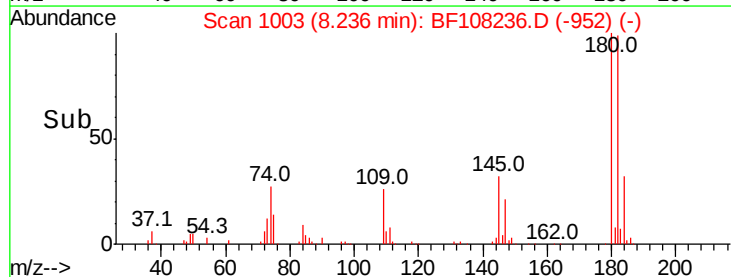
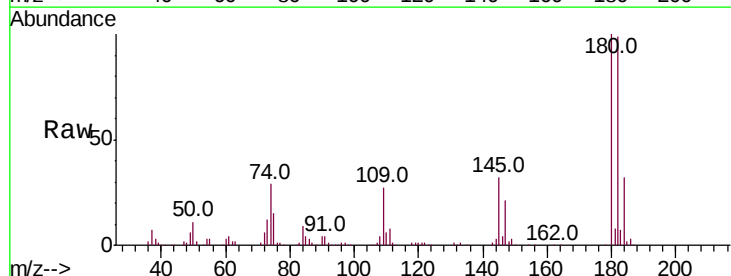
Manual Integrations  
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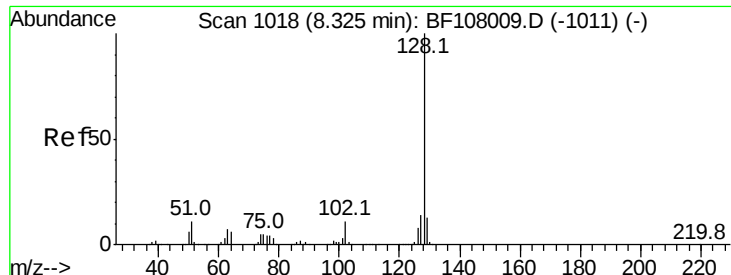
Sohil  
 8/20/2018 12:48:17 PM



#30  
 1,2,4-Trichlorobenzene  
 Concen: 43.495 ng  
 RT: 8.24 min Scan# 1003  
 Delta R.T. -0.00 min  
 Lab File: BF108236.D  
 Acq: 17 Aug 2018 11:52

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 433692 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 98.6  | 76.8  | 115.2  |
| 145       | 32.2  | 26.5  | 39.7   |





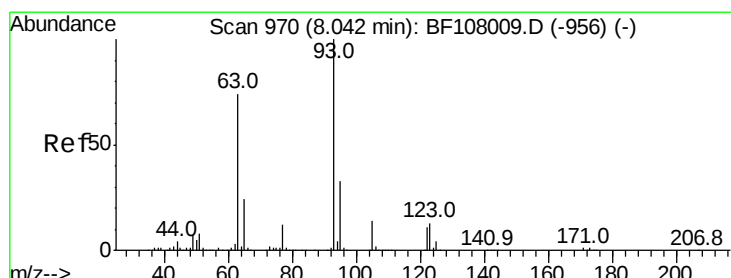
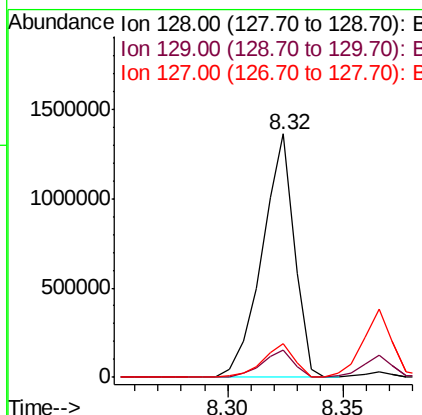
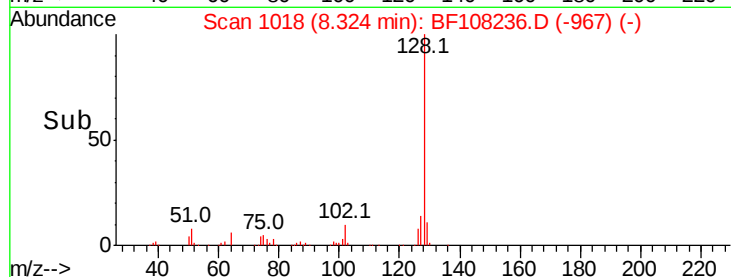
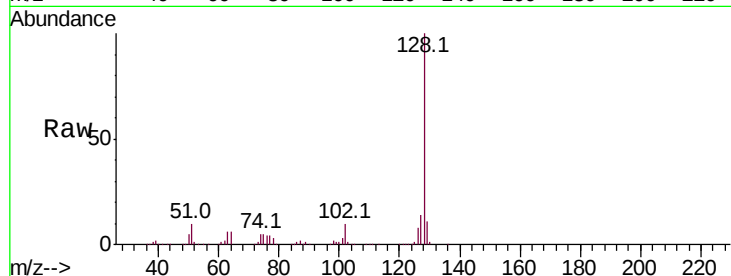
#31  
Naphthalene  
Concen: 44.892 ng  
RT: 8.32 min Scan# 1018  
Delta R.T. -0.00 min  
Lab File: BF108236.D  
Acq: 17 Aug 2018 11:52

Instrument :  
BNA\_F  
ClientSampleId :  
PB112112BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 11.4  | 8.8   | 13.2  |
| 127     | 13.7  | 10.9  | 16.3  |

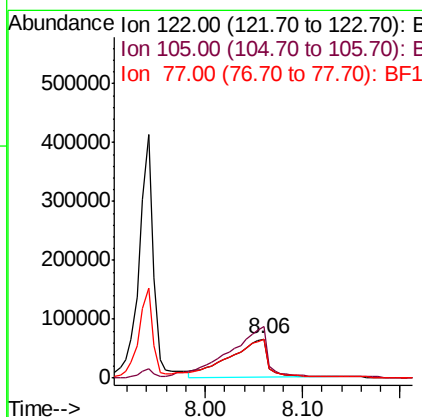
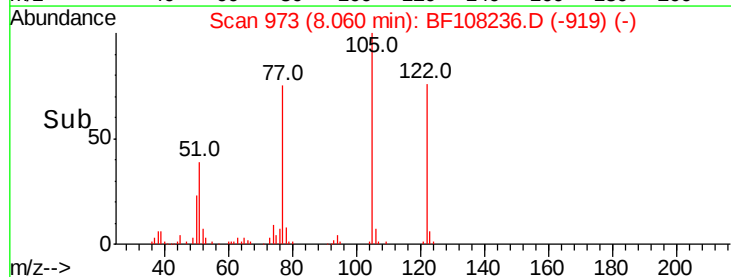
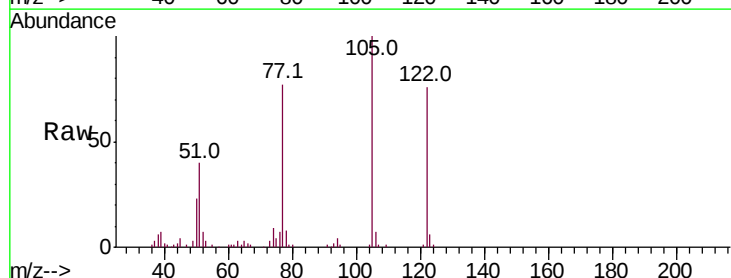
Manual Integrations  
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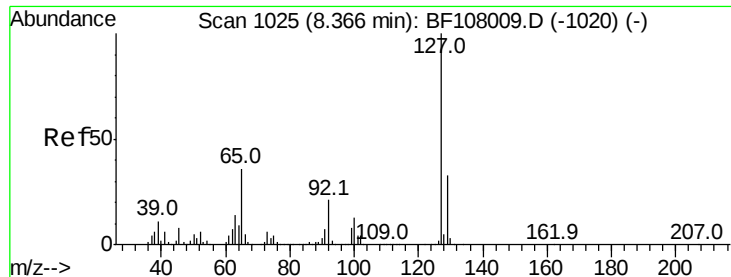
Sohil  
8/20/2018 12:48:17 PM



#32  
Benzoic acid  
Concen: 33.671 ng  
RT: 8.06 min Scan# 973  
Delta R.T. 0.02 min  
Lab File: BF108236.D  
Acq: 17 Aug 2018 11:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 105     | 131.3 | 101.1 | 141.1 |
| 77      | 100.6 | 70.7  | 110.7 |





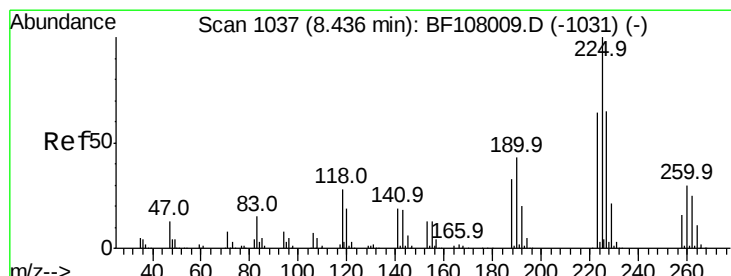
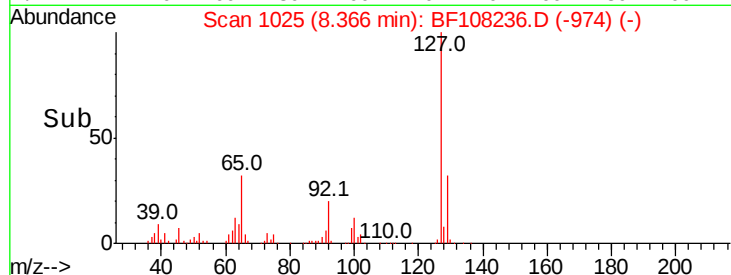
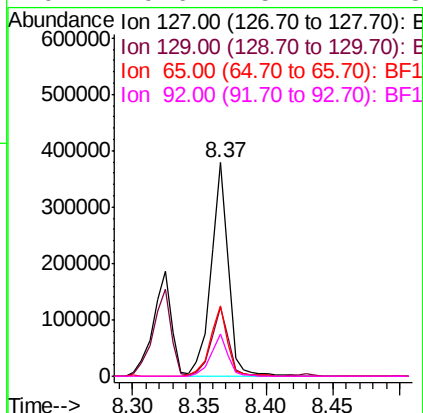
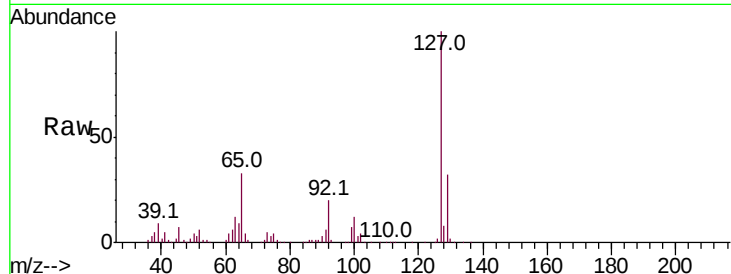
#33  
 4-Chloroaniline  
 Concen: 26.760 ng  
 RT: 8.37 min Scan# 1025  
 Delta R.T. -0.00 min  
 Lab File: BF108236.D  
 Acq: 17 Aug 2018 11:52

Instrument :  
 BNA\_F  
 ClientSampleID :  
 PB112112BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 127     | 100   |      |       |       |
| 129     | 32.4  | 25.9 | 38.9  |       |
| 65      | 32.8  | 25.0 | 37.4  |       |
| 92      | 19.6  | 15.2 | 22.8  |       |

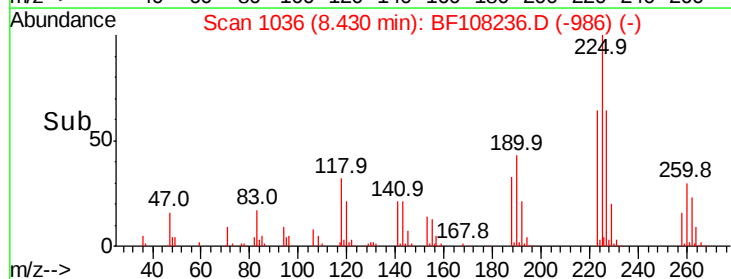
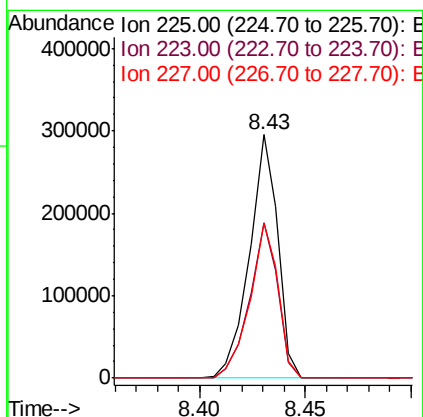
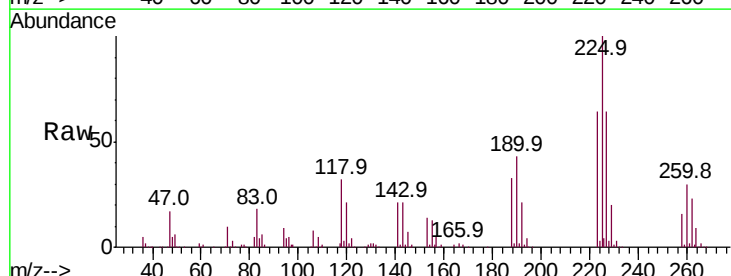
Manual Integrations  
 APPROVED

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 8/20/2018 12:48:17 PM



#34  
 Hexachlorobutadiene  
 Concen: 43.621 ng  
 RT: 8.43 min Scan# 1036  
 Delta R.T. -0.01 min  
 Lab File: BF108236.D  
 Acq: 17 Aug 2018 11:52

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 225     | 100   |      |       |       |
| 223     | 63.8  | 50.6 | 76.0  |       |
| 227     | 63.8  | 51.9 | 77.9  |       |





#35

Caprolactam

Concen: 42.844 ng/ml

RT: 8.74 min Scan# 1088

Delta R.T. -0.01 min

Lab File: BF108236.D

Acq: 17 Aug 2018 11:52

Instrument :

BNA\_F

ClientSampled :

PB112112BS

Tot Ion:113 Resp: 121425

Ion Ratio Lower Upper

113 100

55 211.4 163.3 203.3#

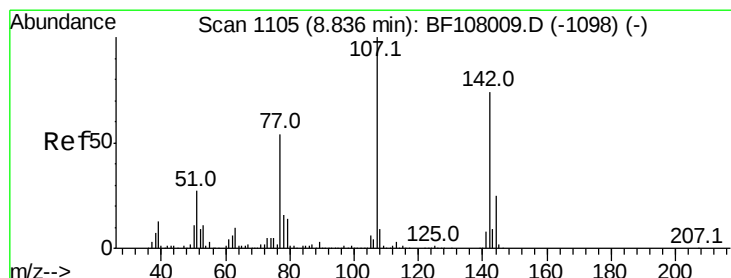
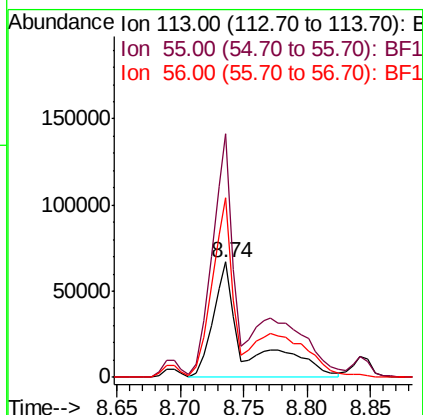
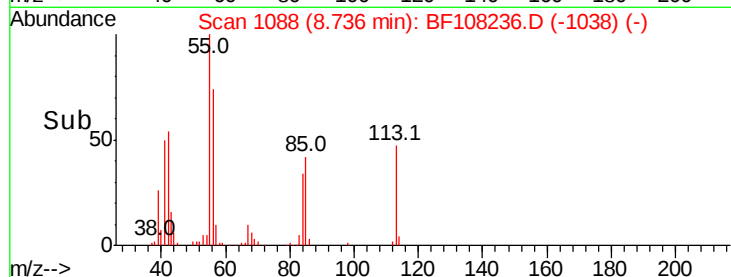
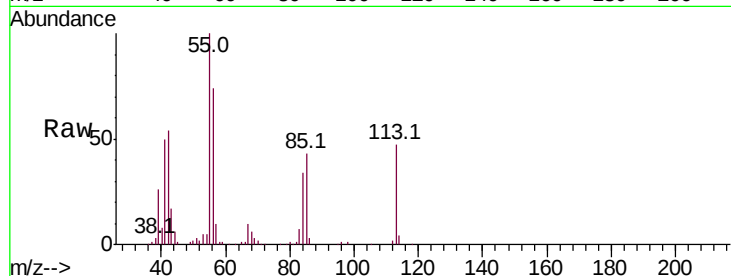
56 155.7 115.7 155.7

Manual Integrations

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#36

4-Chloro-3-methylphenol

Concen: 43.933 ng/ml

RT: 8.84 min Scan# 1106

Delta R.T. 0.01 min

Lab File: BF108236.D

Acq: 17 Aug 2018 11:52

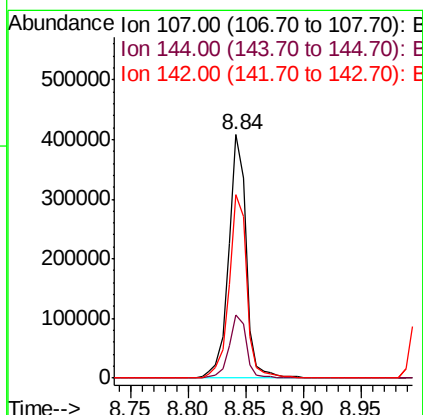
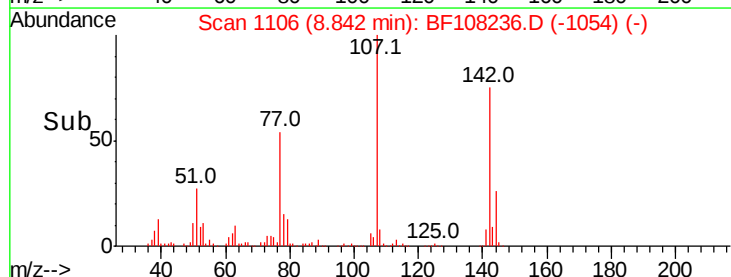
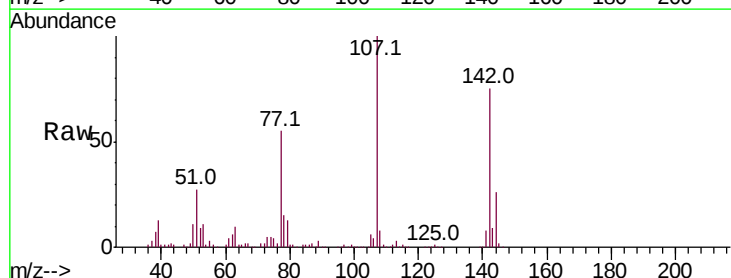
Tgt Ion:107 Resp: 428626

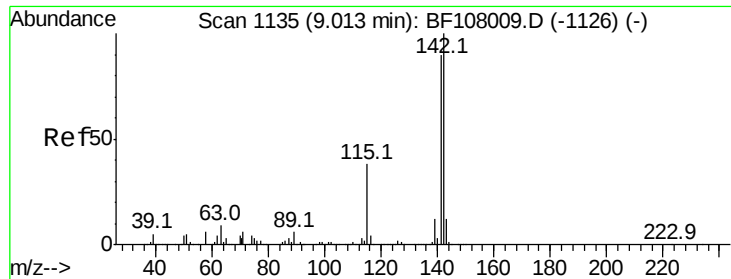
Ion Ratio Lower Upper

107 100

144 25.7 20.5 30.7

142 75.1 62.0 93.0





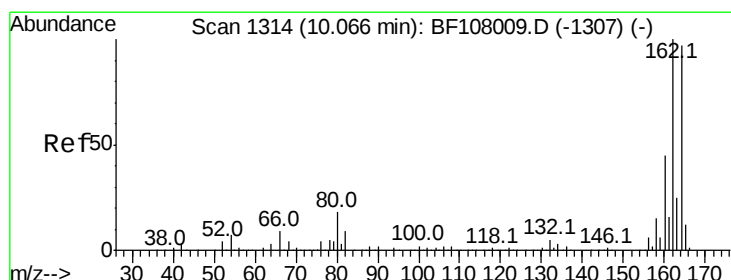
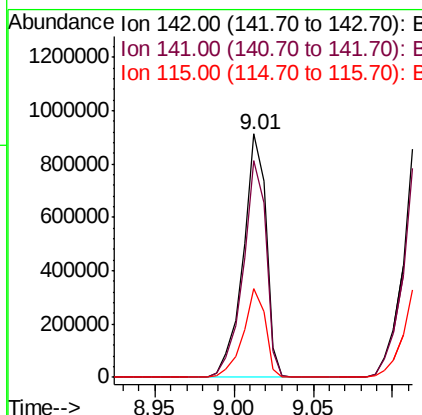
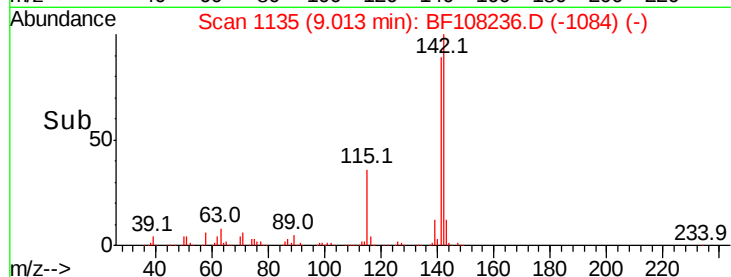
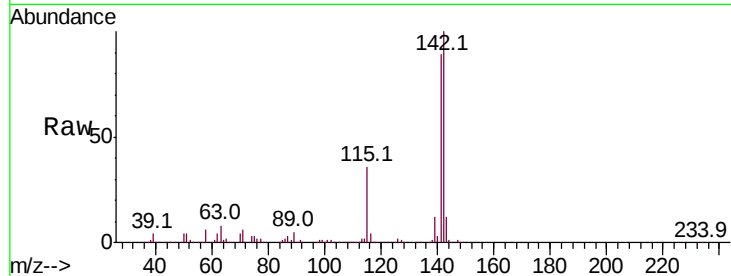
#37  
2-Methylnaphthalene  
Concen: 43.799 ng  
RT: 9.01 min Scan# 1135  
Delta R.T. -0.00 min  
Lab File: BF108236.D  
Acq: 17 Aug 2018 11:52

Instrument :  
BNA\_F  
ClientSampleId :  
PB112112BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 88.8  | 70.8  | 106.2 |
| 115     | 36.2  | 26.1  | 39.1  |

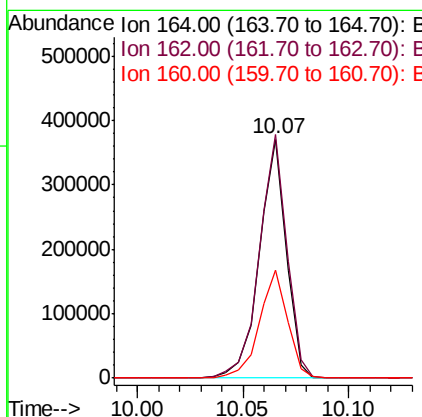
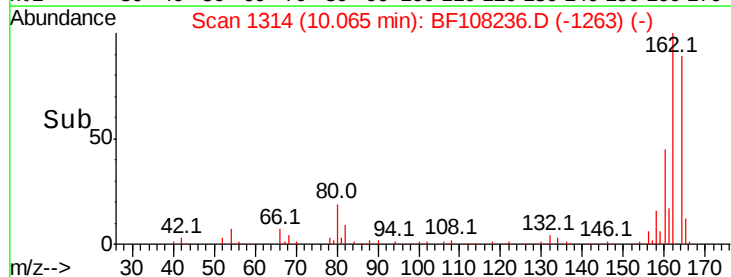
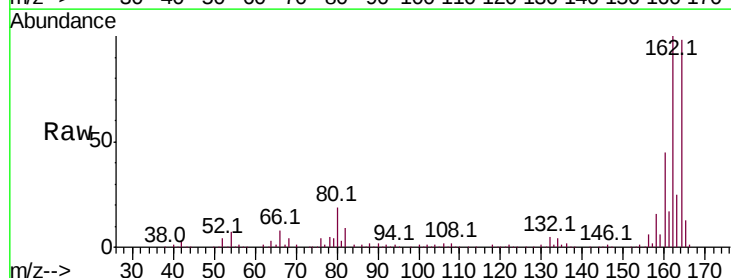
Manual Integrations  
APPROVED

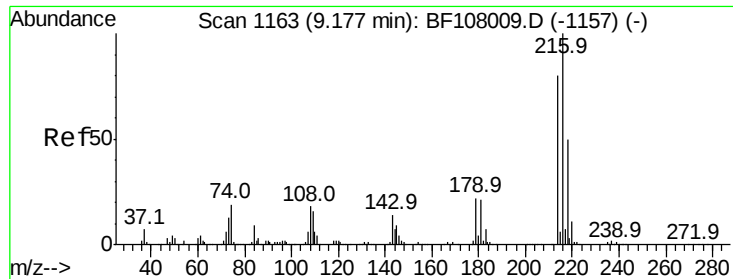
Sohil  
8/20/2018 12:48:17 PM



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 10.07 min Scan# 1314  
Delta R.T. -0.00 min  
Lab File: BF108236.D  
Acq: 17 Aug 2018 11:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 102.0 | 86.1  | 129.1 |
| 160     | 45.5  | 38.3  | 57.5  |





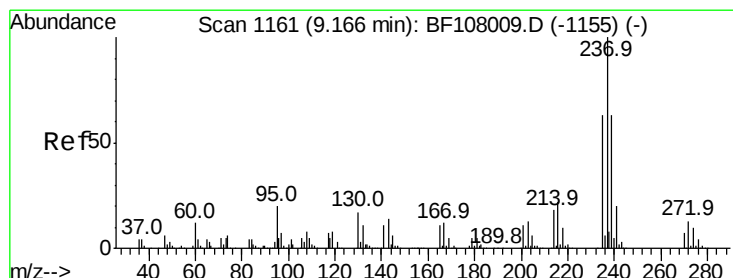
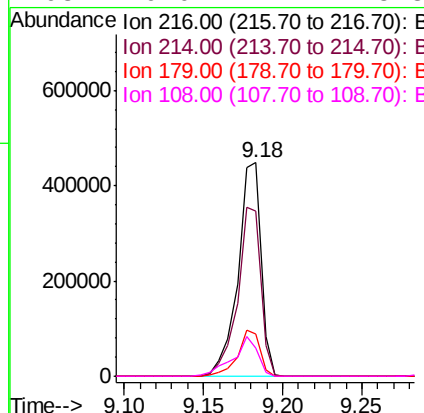
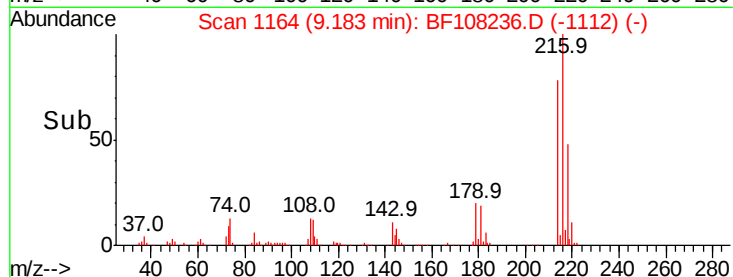
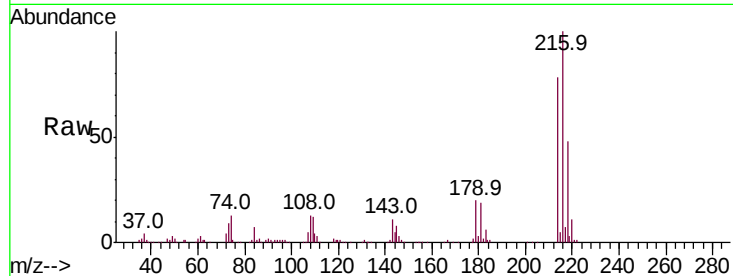
#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 44.833 ng  
 RT: 9.18 min Scan# 1164  
 Delta R.T. 0.01 min  
 Lab File: BF108236.D  
 Acq: 17 Aug 2018 11:52

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB112112BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 216     | 100   |      |       |       |
| 214     | 79.2  | 63.0 | 94.4  |       |
| 179     | 20.7  | 18.1 | 27.1  |       |
| 108     | 20.0  | 17.2 | 25.8  |       |

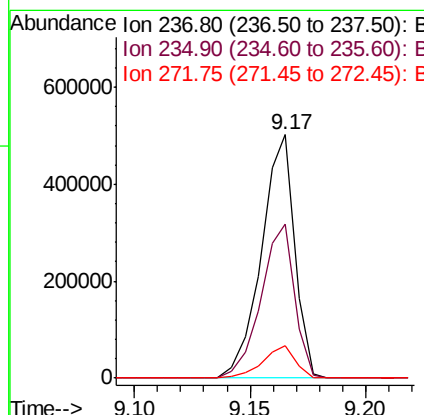
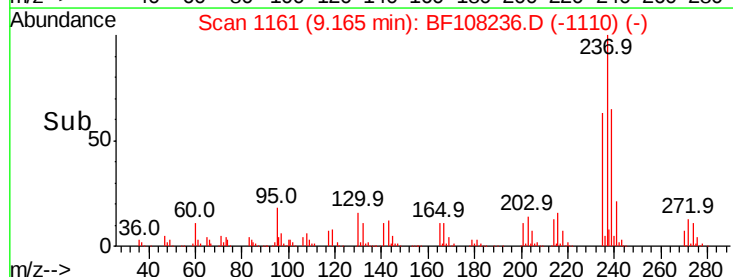
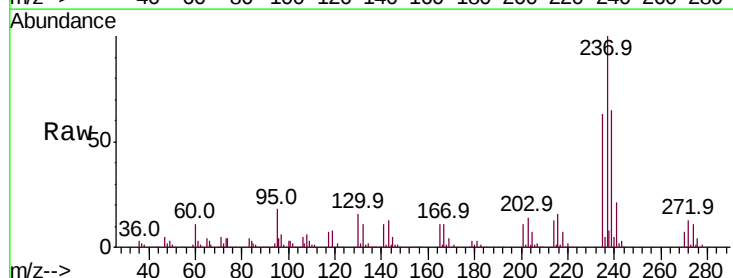
Manual Integrations  
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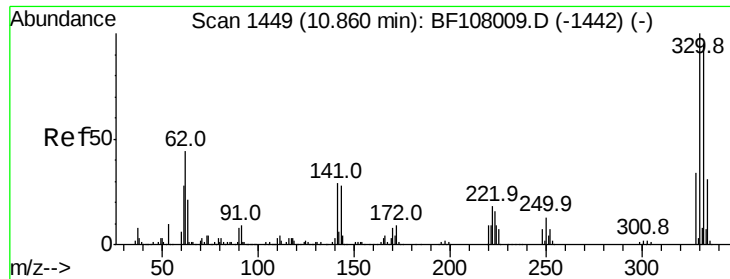
Sohil  
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#40  
 Hexachlorocyclopentadiene  
 Concen: 77.185 ng  
 RT: 9.17 min Scan# 1161  
 Delta R.T. -0.00 min  
 Lab File: BF108236.D  
 Acq: 17 Aug 2018 11:52

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 237     | 100   |      |       |       |
| 235     | 63.4  | 44.8 | 84.8  |       |
| 272     | 13.3  | 0.0  | 33.3  |       |





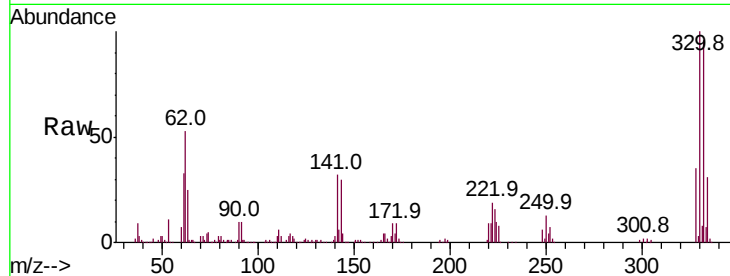
#41  
 2,4,6-Tribromophenol  
 Concen: 101.701 ng  
 RT: 10.86 min Scan# 1449  
 Delta R.T. -0.00 min  
 Lab File: BF108236.D  
 Acq: 17 Aug 2018 11:52

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB112112BS

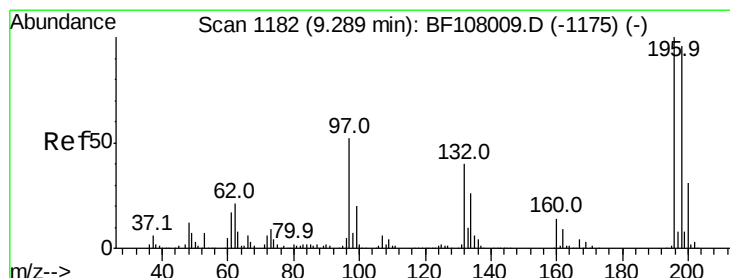
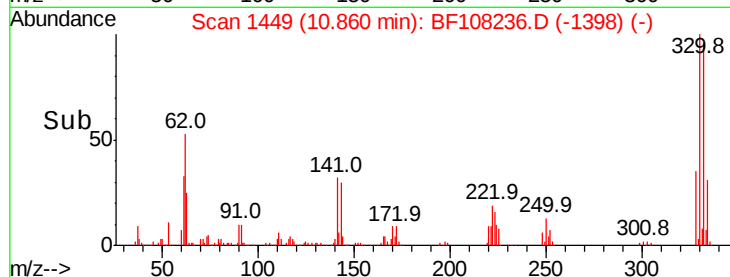
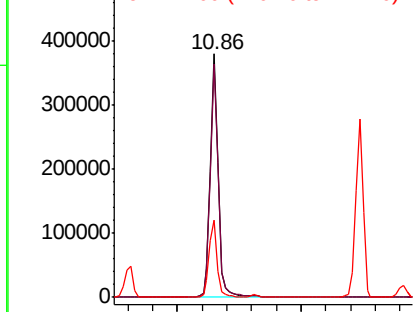
| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 330     | 100   |      |       |       |
| 332     | 96.2  | 77.0 | 115.6 |       |
| 141     | 32.2  | 29.9 | 44.9  |       |

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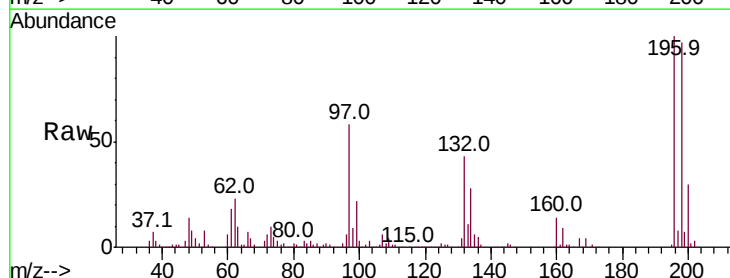


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

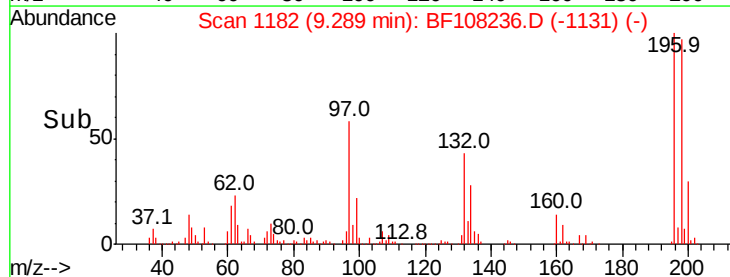
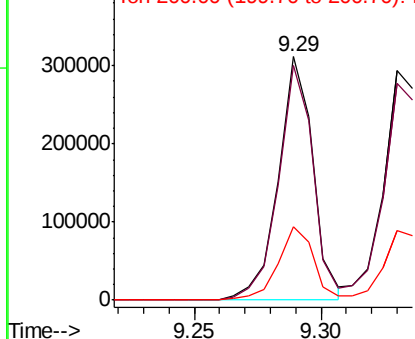


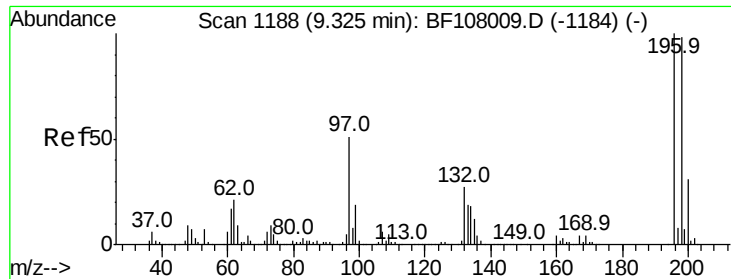
#42  
 2,4,6-Trichlorophenol  
 Concen: 46.782 ng  
 RT: 9.29 min Scan# 1182  
 Delta R.T. -0.00 min  
 Lab File: BF108236.D  
 Acq: 17 Aug 2018 11:52

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 196     | 100   |      |       |       |
| 198     | 96.6  | 75.7 | 113.5 |       |
| 200     | 30.1  | 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





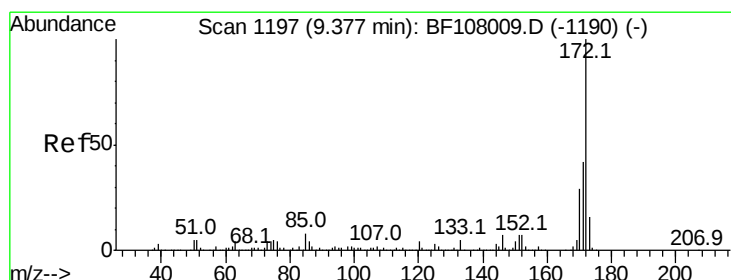
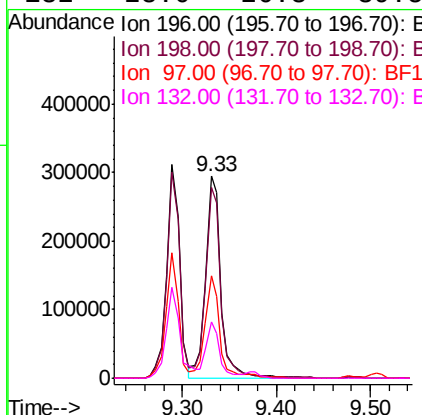
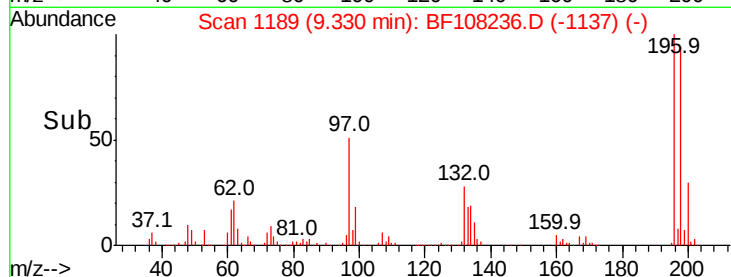
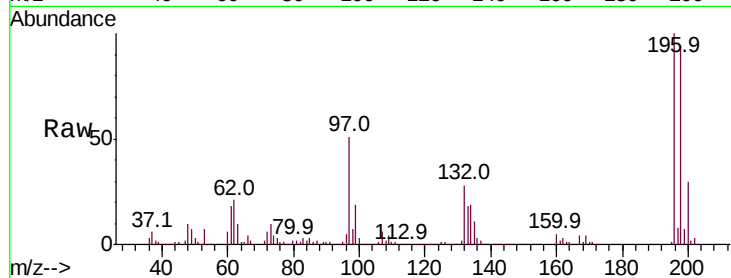
#43  
 2,4,5-Trichlorophenol  
 Concen: 48.396 ng  
 RT: 9.33 min Scan# 1189  
 Delta R.T. 0.01 min  
 Lab File: BF108236.D  
 Acq: 17 Aug 2018 11:52

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB112112BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 196   | Resp: | 335028 |
| Ion Ratio | Lower | Upper |        |
| 196       | 100   |       |        |
| 198       | 94.3  | 74.6  | 112.0  |
| 97        | 51.0  | 42.9  | 64.3   |
| 132       | 28.0  | 26.3  | 39.5   |

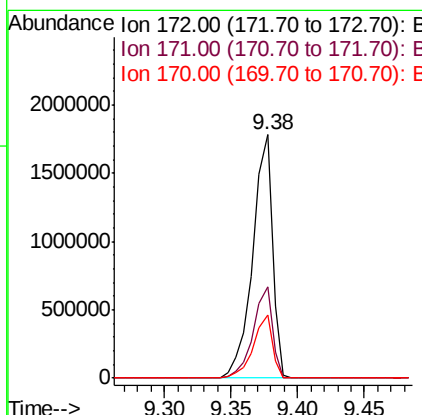
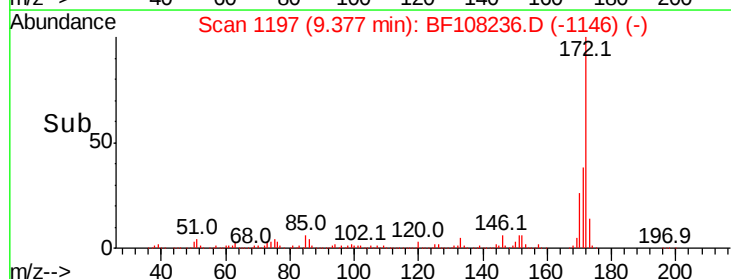
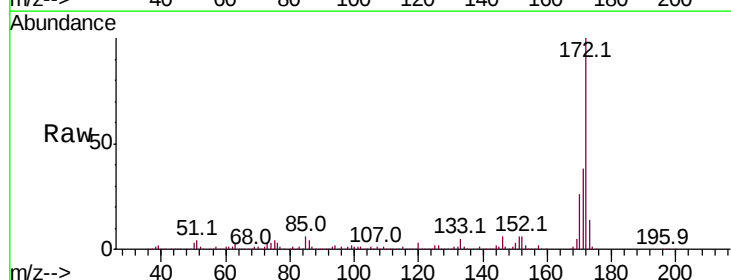
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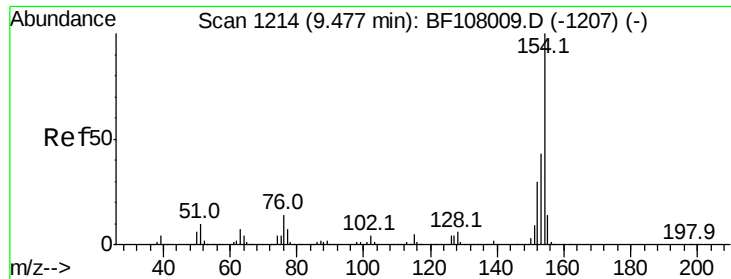
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#44  
 2-Fluorobiphenyl  
 Concen: 87.575 ng  
 RT: 9.38 min Scan# 1197  
 Delta R.T. -0.00 min  
 Lab File: BF108236.D  
 Acq: 17 Aug 2018 11:52

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 172   | Resp: | 1800086 |
| Ion Ratio | Lower | Upper |         |
| 172       | 100   |       |         |
| 171       | 37.7  | 29.7  | 44.5    |
| 170       | 25.7  | 19.6  | 29.4    |





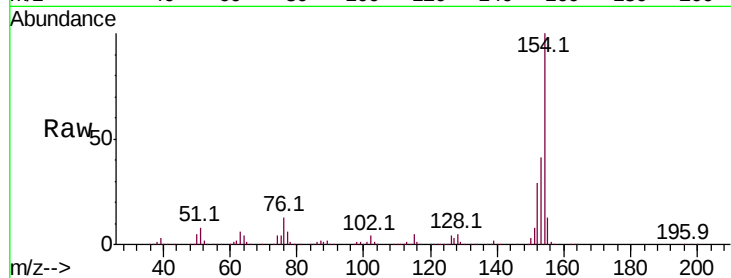
#45  
 1,1'-Biphenyl  
 Concen: 45.407 ng  
 RT: 9.48 min Scan# 1214  
 Delta R.T. -0.00 min  
 Lab File: BF108236.D  
 Acq: 17 Aug 2018 11:52

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB112112BS

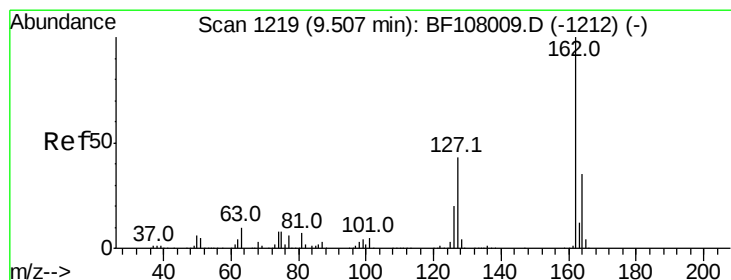
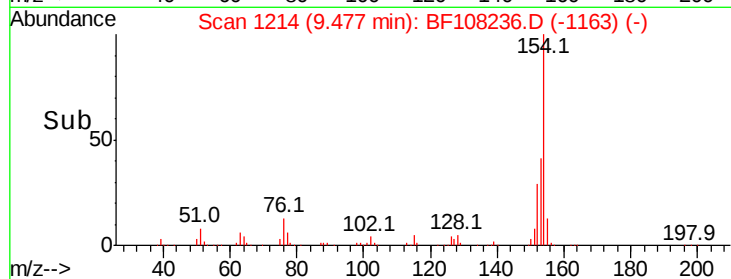
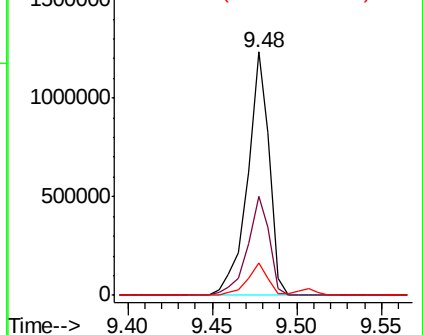
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 40.7  | 21.3  | 61.3  |
| 76      | 13.2  | 0.0   | 34.0  |

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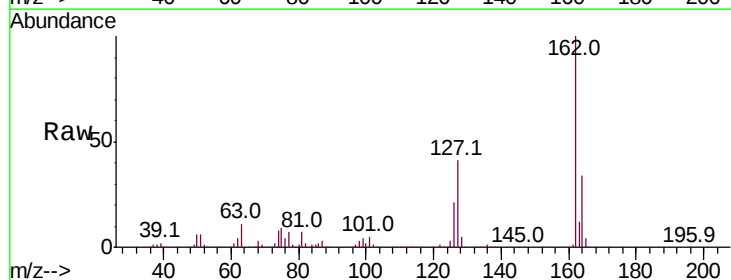


Abundance Ion 154.00 (153.70 to 154.70): E  
 Ion 153.00 (152.70 to 153.70): E  
 Ion 76.00 (75.70 to 76.70): BF1

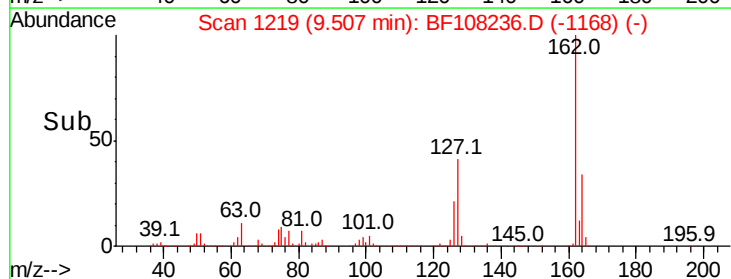
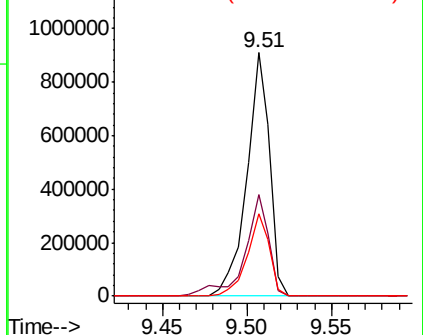


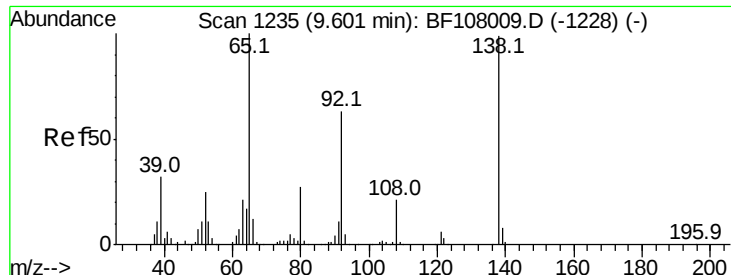
#46  
 2-Chloronaphthalene  
 Concen: 44.526 ng  
 RT: 9.51 min Scan# 1219  
 Delta R.T. -0.00 min  
 Lab File: BF108236.D  
 Acq: 17 Aug 2018 11:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 41.5  | 33.9  | 50.9  |
| 164     | 33.7  | 26.5  | 39.7  |



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





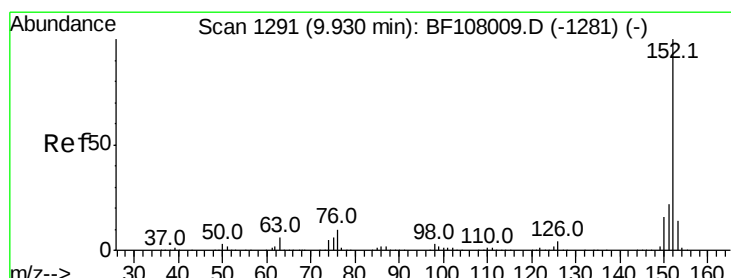
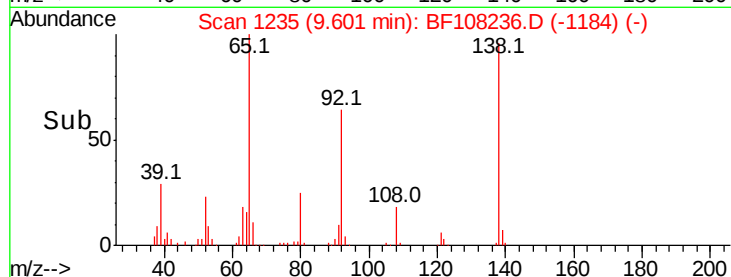
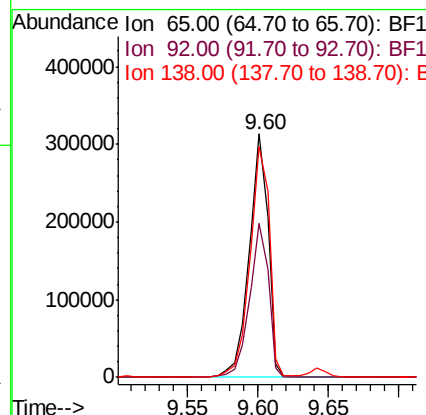
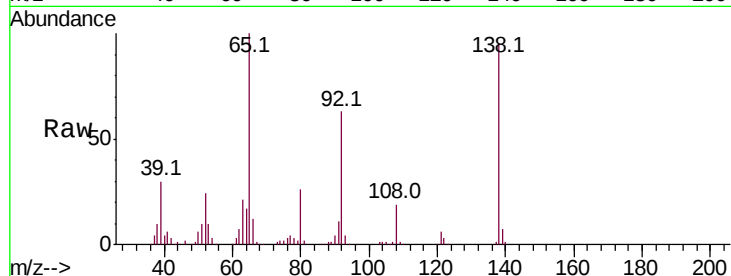
#47  
2-Nitroaniline  
Concen: 47.128 ng  
RT: 9.60 min Scan# 1235  
Delta R.T. -0.00 min  
Lab File: BF108236.D  
Acq: 17 Aug 2018 11:52

Instrument :  
BNA\_F  
ClientSampleId :  
PB112112BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 63.4  | 55.8  | 83.6  |
| 138     | 95.0  | 91.2  | 136.8 |

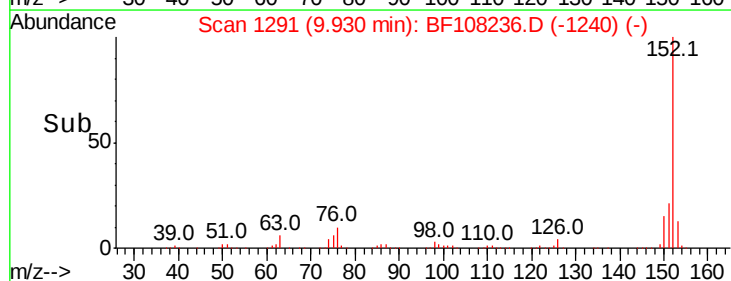
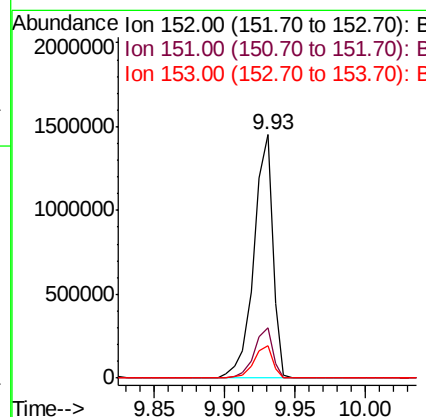
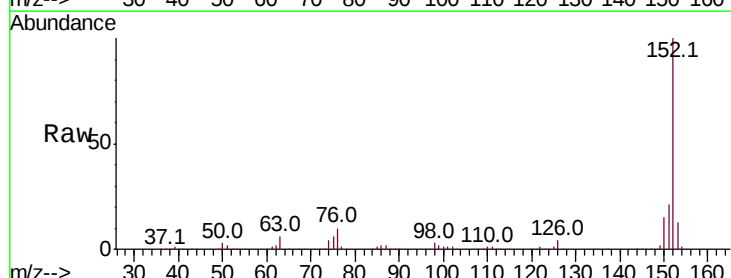
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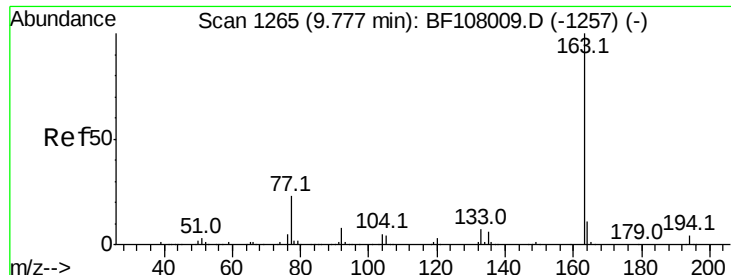
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#48  
Acenaphthylene  
Concen: 45.130 ng  
RT: 9.93 min Scan# 1291  
Delta R.T. -0.00 min  
Lab File: BF108236.D  
Acq: 17 Aug 2018 11:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 20.8  | 16.3  | 24.5  |
| 153     | 13.3  | 10.7  | 16.1  |





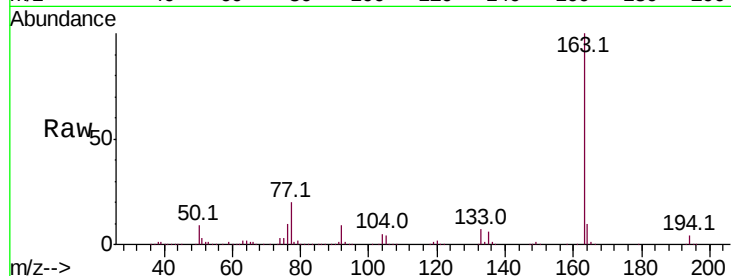
#49  
Dimethylphthalate  
Concen: 43.908 ng  
RT: 9.78 min Scan# 1265  
Delta R.T. -0.00 min  
Lab File: BF108236.D  
Acq: 17 Aug 2018 11:52

Instrument :  
BNA\_F  
ClientSampleId :  
PB112112BS

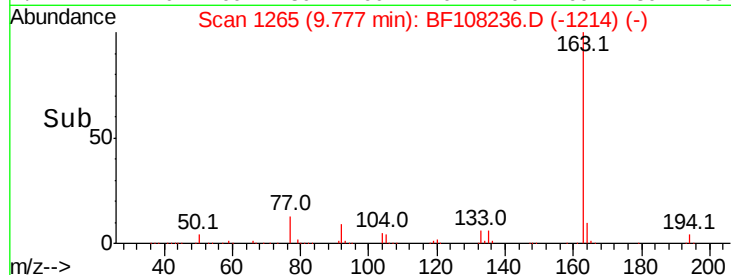
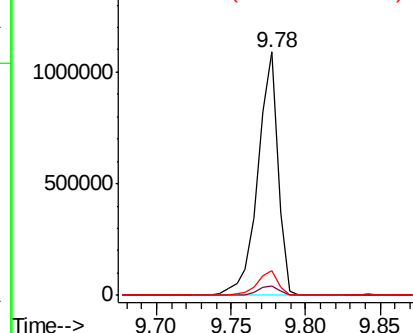
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 4.1   | 2.7   | 4.1#  |
| 164     | 10.1  | 8.2   | 12.2  |

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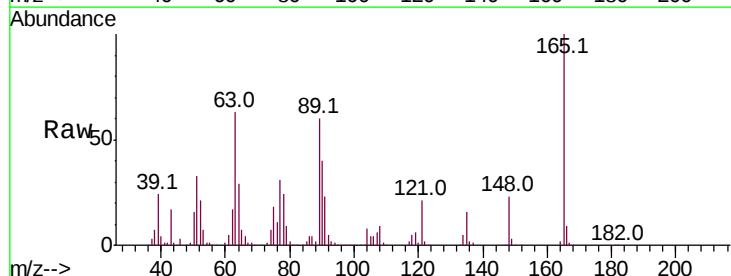
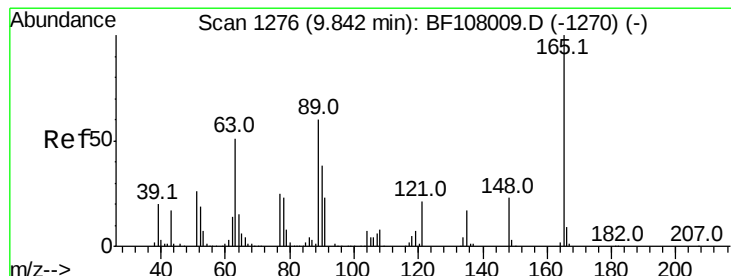
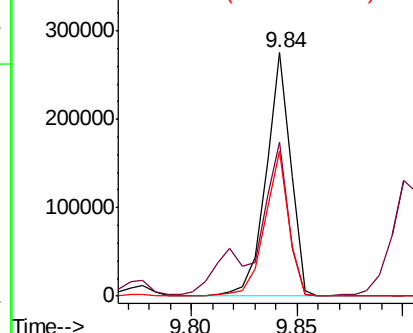
Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

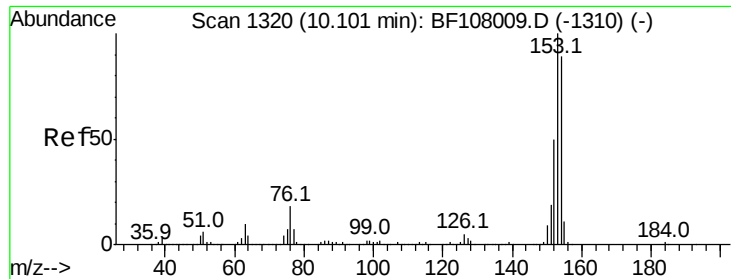


#50  
2,6-Dinitrotoluene  
Concen: 46.472 ng  
RT: 9.84 min Scan# 1276  
Delta R.T. -0.00 min  
Lab File: BF108236.D  
Acq: 17 Aug 2018 11:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 63.5  | 44.7  | 67.1  |
| 89      | 59.6  | 44.0  | 66.0  |

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





#51

Acenaphthene

Concen: 47.301 ng

RT: 10.10 min Scan# 1320

Delta R.T. -0.00 min

Lab File: BF108236.D

Acq: 17 Aug 2018 11:52

Instrument :

BNA\_F

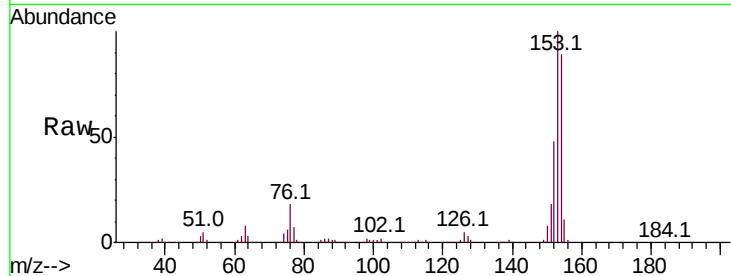
ClientSampleId :

PB112112BS

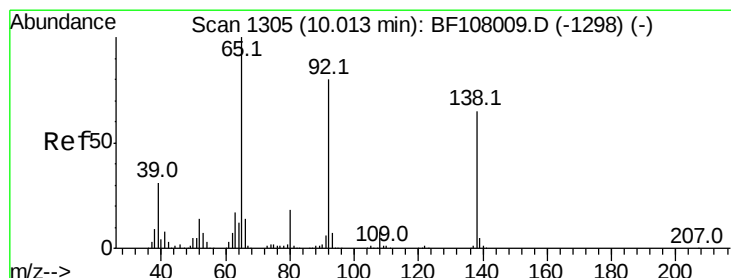
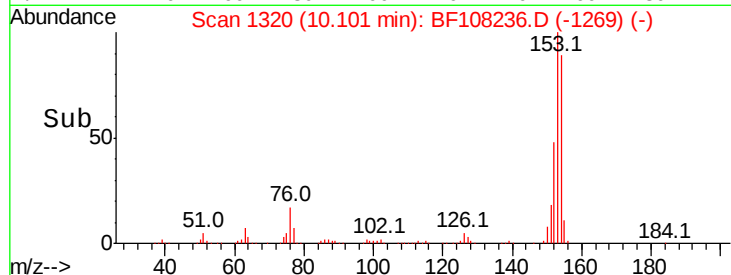
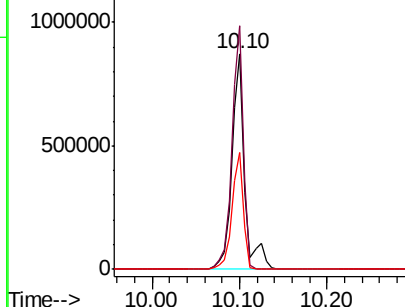
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 154   | Resp: | 880781 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 113.0 | 91.2  | 136.8  |
| 152       | 54.5  | 43.8  | 65.8   |

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



#52

3-Nitroaniline

Concen: 33.316 ng

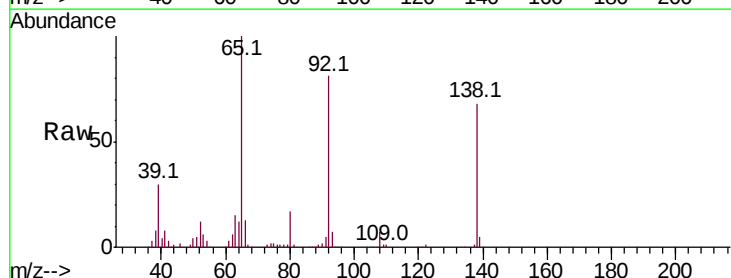
RT: 10.01 min Scan# 1305

Delta R.T. -0.00 min

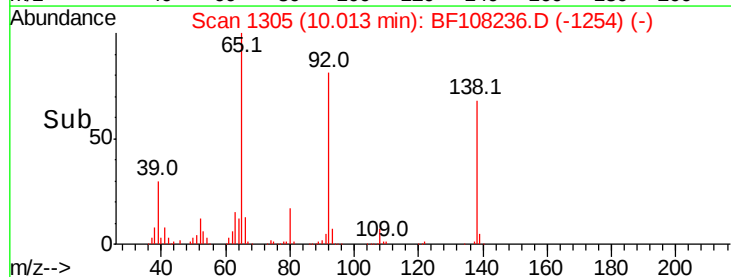
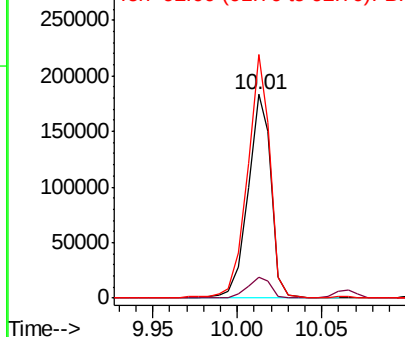
Lab File: BF108236.D

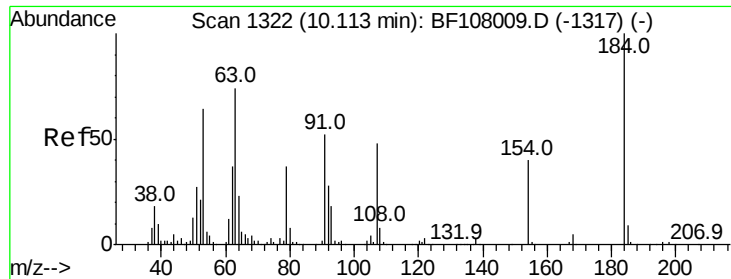
Acq: 17 Aug 2018 11:52

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 138   | Resp: | 175311 |
| Ion Ratio | Lower | Upper |        |
| 138       | 100   |       |        |
| 108       | 10.5  | 9.4   | 14.0   |
| 92        | 119.5 | 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





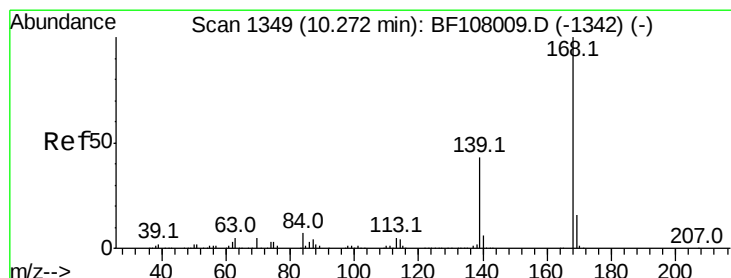
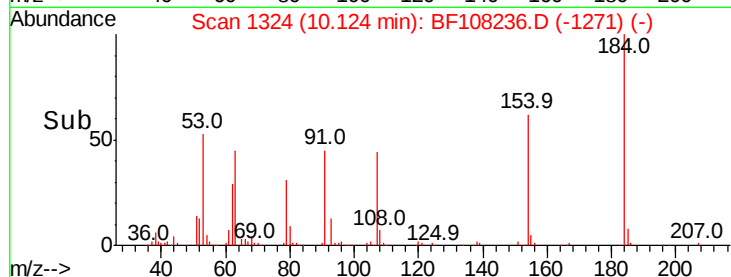
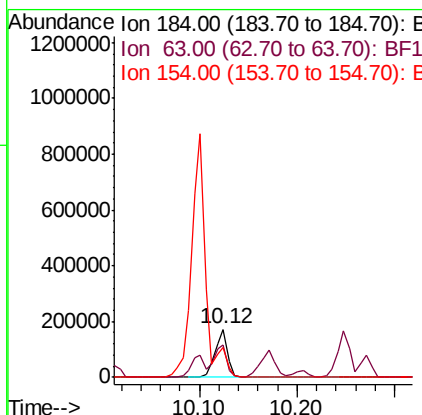
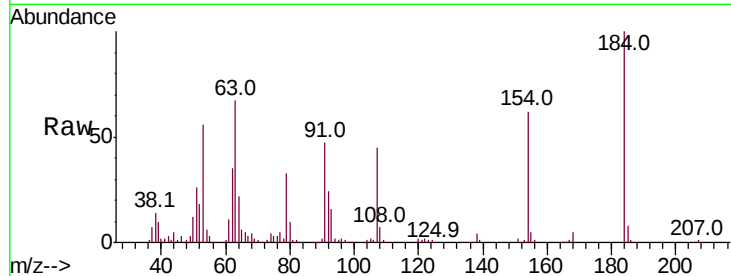
#53  
2,4-Dinitrophenol  
Concen: 84.316 ng  
RT: 10.12 min Scan# 1324  
Delta R.T. 0.01 min  
Lab File: BF108236.D  
Acq: 17 Aug 2018 11:52

Instrument :  
BNA\_F  
ClientSampleId :  
PB112112BS

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 184     | 100   |       |        |
| 63      | 67.2  | 54.2  | 81.2   |
| 154     | 61.9  | 184.0 | 276.0# |

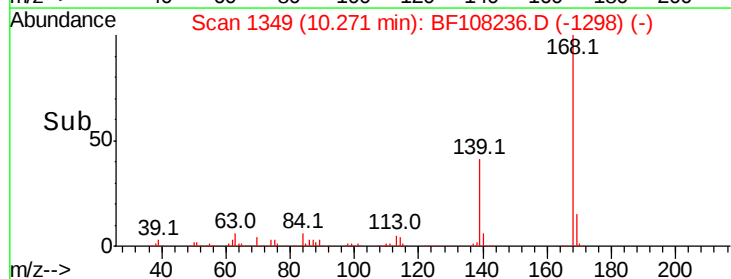
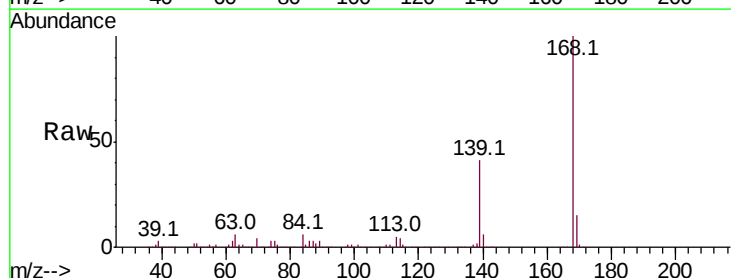
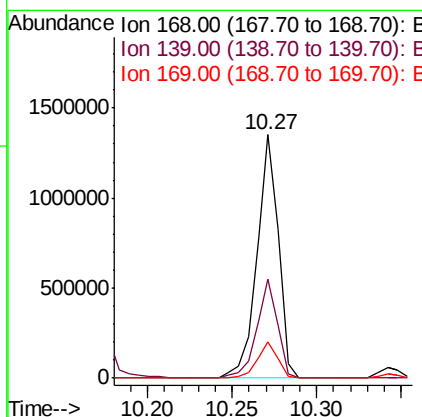
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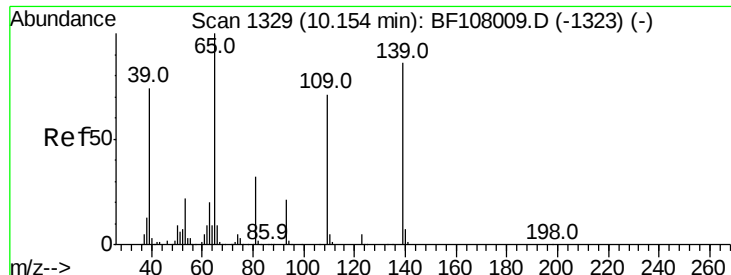
Sohil  
8/20/2018 12:48:17 PM



#54  
Dibenzofuran  
Concen: 44.283 ng  
RT: 10.27 min Scan# 1349  
Delta R.T. -0.00 min  
Lab File: BF108236.D  
Acq: 17 Aug 2018 11:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 40.7  | 30.1  | 45.1  |
| 169     | 15.1  | 10.9  | 16.3  |





#55

4-Nitrophenol

Concen: 84.359 ng

RT: 10.17 min Scan# 1332

Delta R.T. 0.02 min

Lab File: BF108236.D

Acq: 17 Aug 2018 11:52

Instrument :

BNA\_F

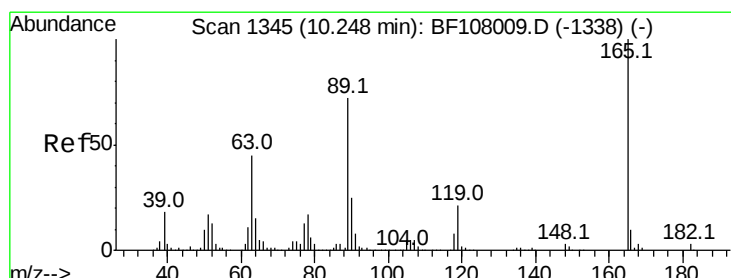
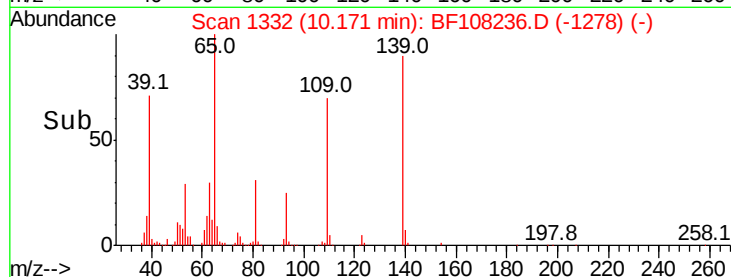
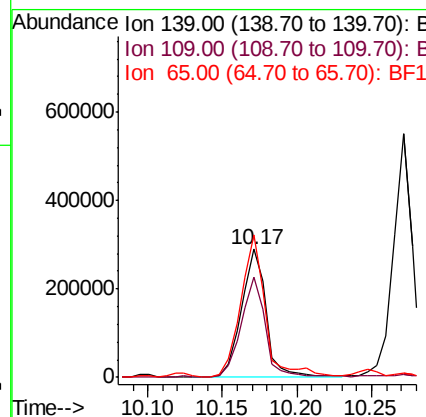
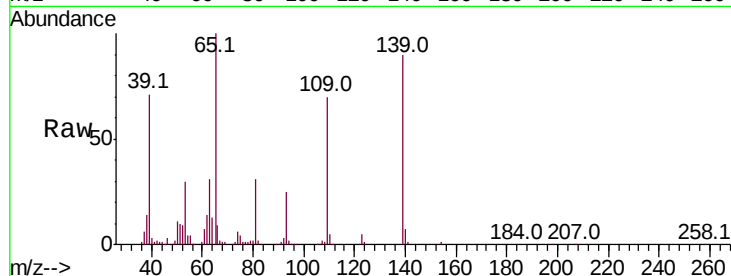
ClientSampled :

PB112112BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 139   | Resp: | 336144 |
| Ion Ratio | Lower | Upper |        |
| 139       | 100   |       |        |
| 109       | 78.0  | 48.4  | 88.4   |
| 65        | 111.2 | 72.6  | 112.6  |

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#56

2,4-Dinitrotoluene

Concen: 48.307 ng

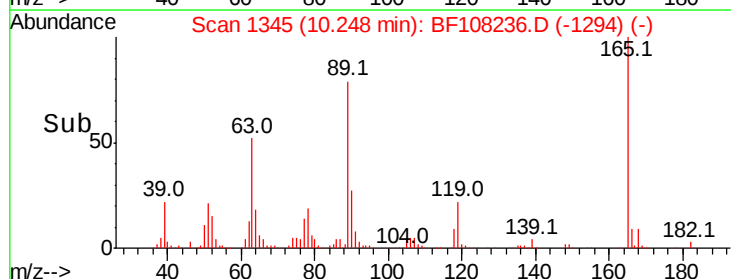
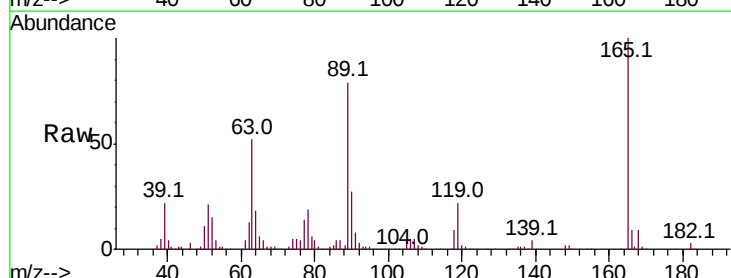
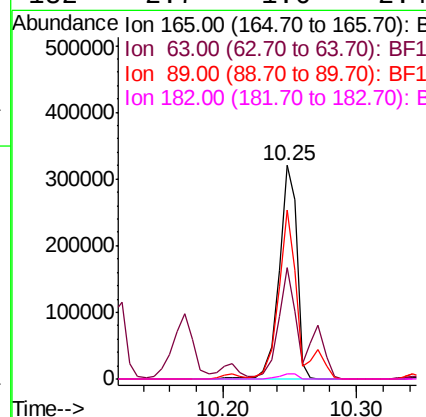
RT: 10.25 min Scan# 1345

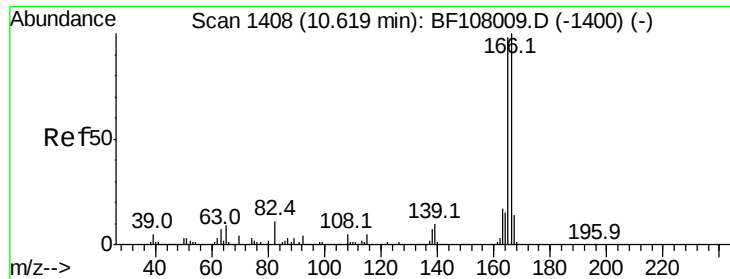
Delta R.T. -0.00 min

Lab File: BF108236.D

Acq: 17 Aug 2018 11:52

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 165   | Resp: | 299047 |
| Ion Ratio | Lower | Upper |        |
| 165       | 100   |       |        |
| 63        | 52.1  | 36.4  | 54.6   |
| 89        | 79.1  | 57.8  | 86.6   |
| 182       | 2.7   | 1.6   | 2.4#   |





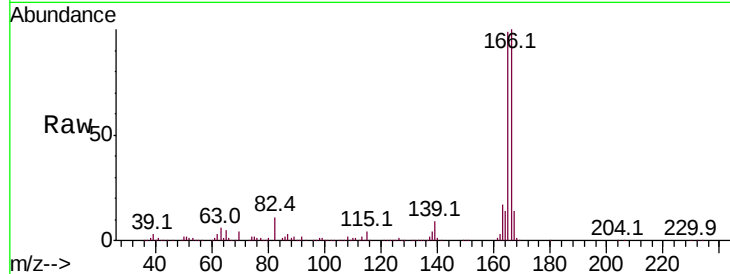
#57  
 Fluorene  
 Concen: 44.199 ng  
 RT: 10.62 min Scan# 1408  
 Delta R.T. -0.00 min  
 Lab File: BF108236.D  
 Acq: 17 Aug 2018 11:52

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB112112BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 166     | 100   | 943900 |       |       |
| 165     | 98.9  | 79.8   | 119.8 |       |
| 167     | 13.7  | 10.6   | 16.0  |       |

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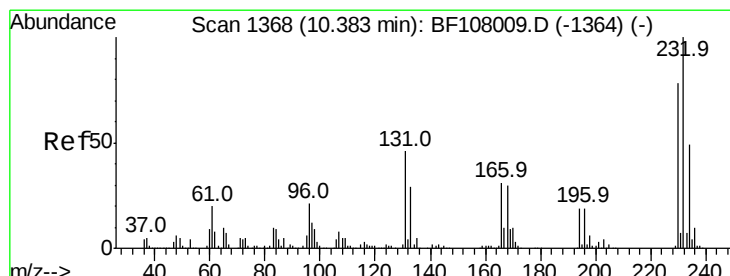
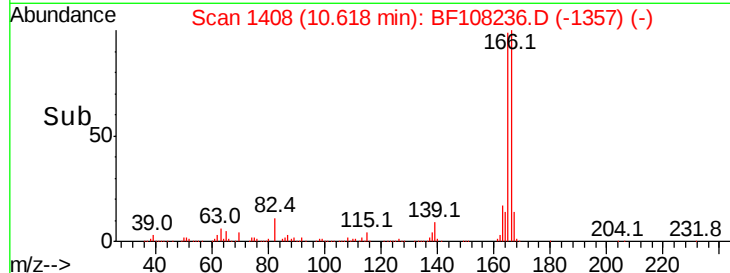
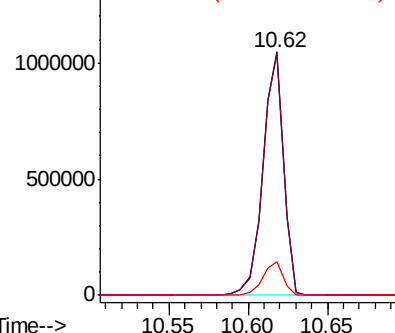


Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 48.133 ng  
 RT: 10.39 min Scan# 1369  
 Delta R.T. 0.01 min  
 Lab File: BF108236.D  
 Acq: 17 Aug 2018 11:52

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 232     | 100   | 278501 |       |       |
| 131     | 41.6  | 43.8   | 65.8# |       |
| 130     | 2.2   | 2.1    | 3.1   |       |
| 166     | 28.1  | 27.8   | 41.6  |       |

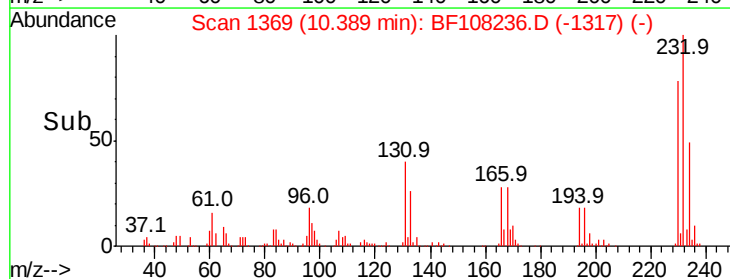
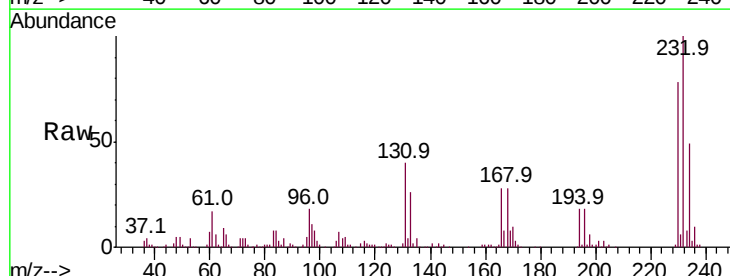
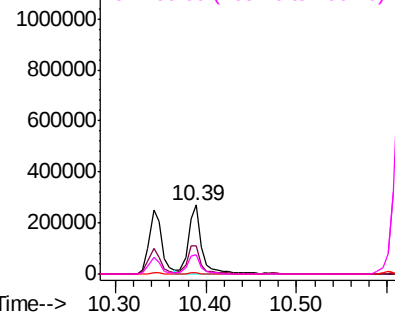
Abundance

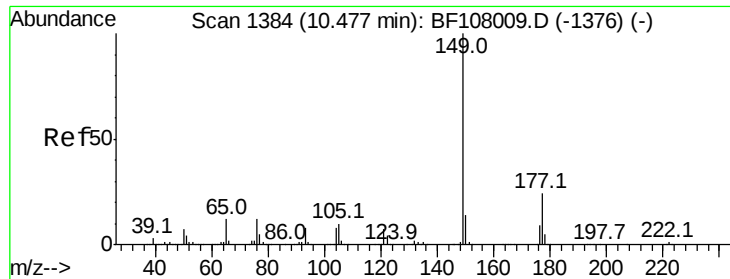
Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





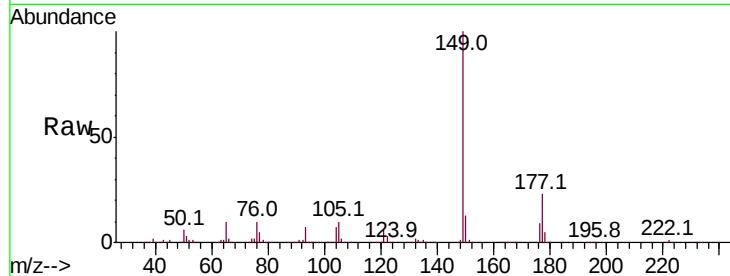
#59  
 Diethylphthalate  
 Concen: 43.706 ng  
 RT: 10.48 min Scan# 1384  
 Delta R.T. -0.00 min  
 Lab File: BF108236.D  
 Acq: 17 Aug 2018 11:52

Instrument :  
 BNA\_F  
 ClientSampled :  
 PB112112BS

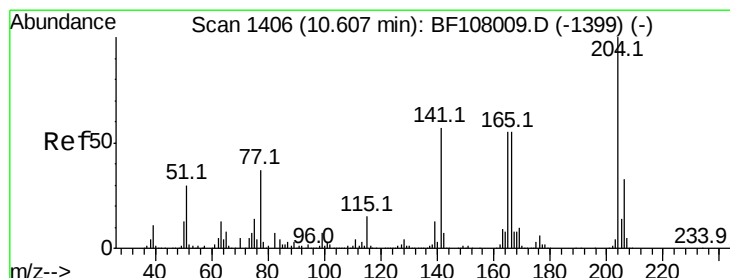
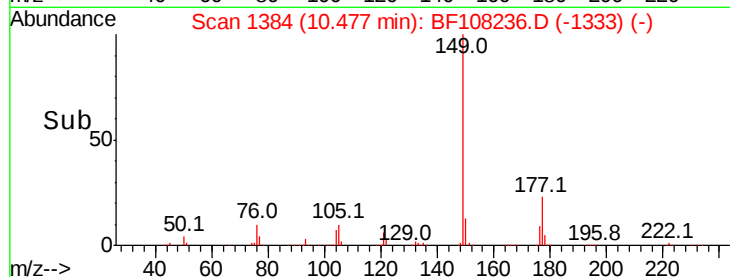
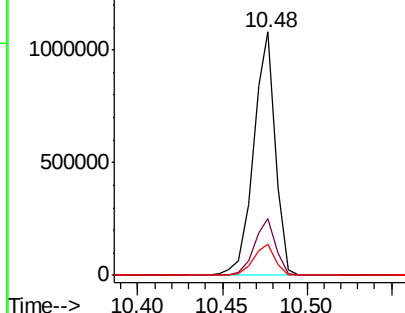
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 149   | Resp: | 972862 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 177       | 23.3  | 16.1  | 24.1   |
| 150       | 12.9  | 10.1  | 15.1   |

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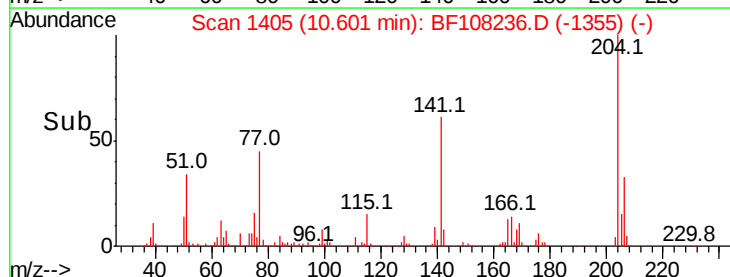
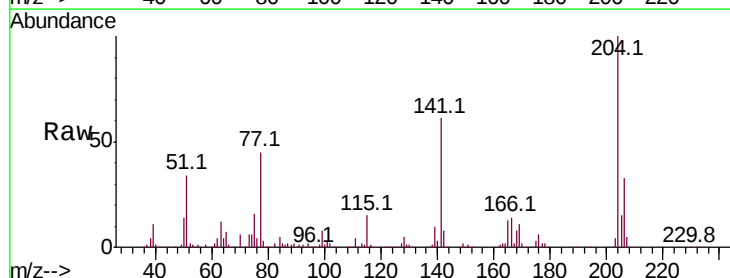
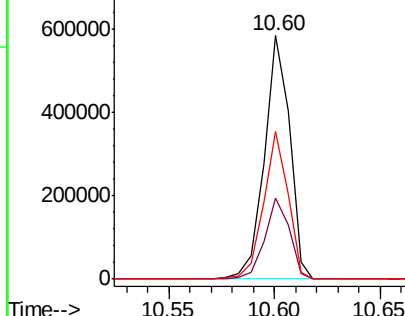
Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 177.00 (176.70 to 177.70): E  
 Ion 150.00 (149.70 to 150.70): E

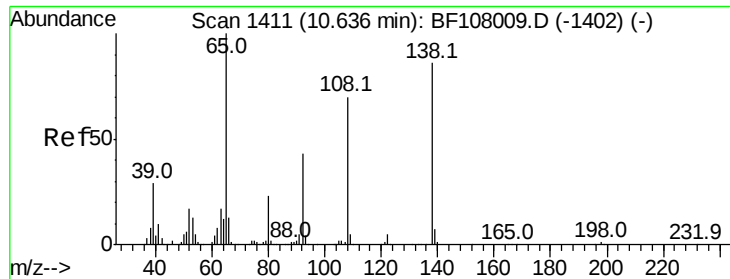


#60  
 4-Chlorophenyl-phenylether  
 Concen: 43.742 ng  
 RT: 10.60 min Scan# 1405  
 Delta R.T. -0.01 min  
 Lab File: BF108236.D  
 Acq: 17 Aug 2018 11:52

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 204   | Resp: | 486758 |
| Ion Ratio | Lower | Upper |        |
| 204       | 100   |       |        |
| 206       | 33.3  | 26.5  | 39.7   |
| 141       | 60.6  | 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





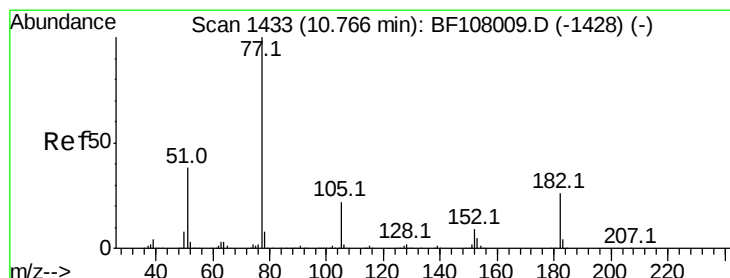
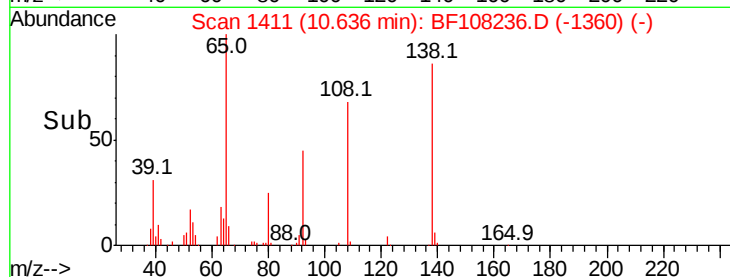
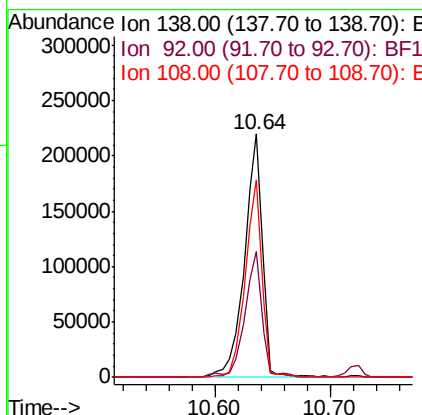
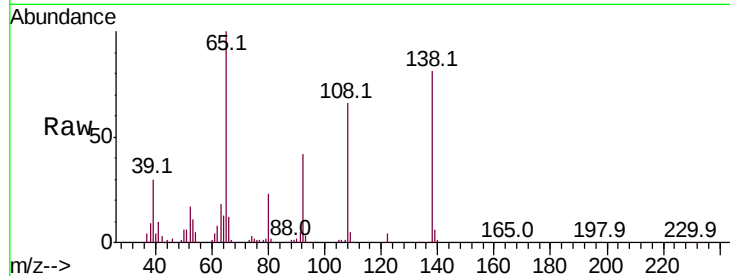
#61  
4-Nitroaniline  
Concen: 45.244 ng  
RT: 10.64 min Scan# 1411  
Delta R.T. -0.00 min  
Lab File: BF108236.D  
Acq: 17 Aug 2018 11:52

Instrument :  
BNA\_F  
ClientSampleId :  
PB112112BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 138     | 100   | 235383 |       |       |
| 92      | 51.9  | 30.2   | 70.2  |       |
| 108     | 81.3  | 52.5   | 92.5  |       |

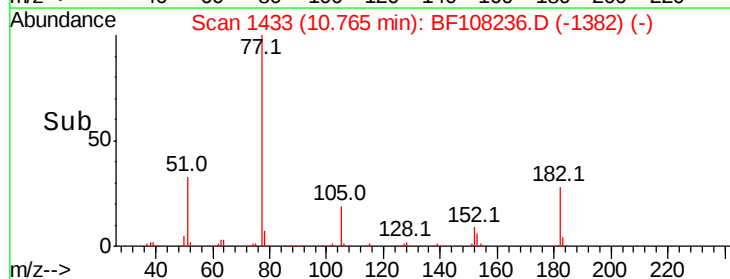
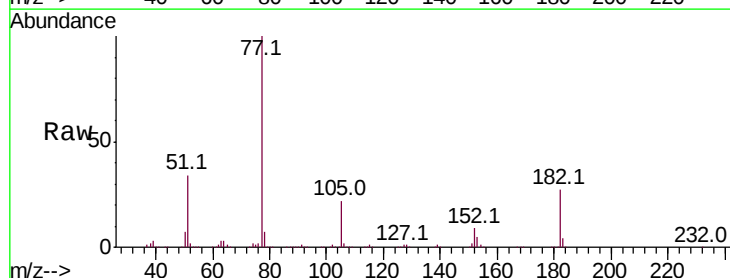
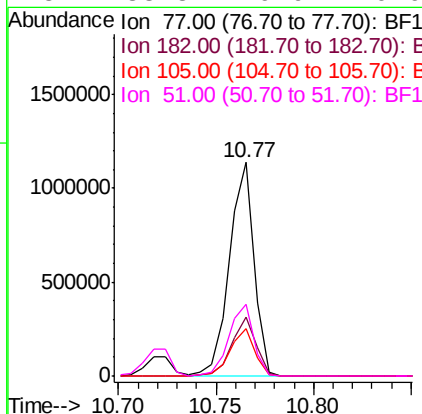
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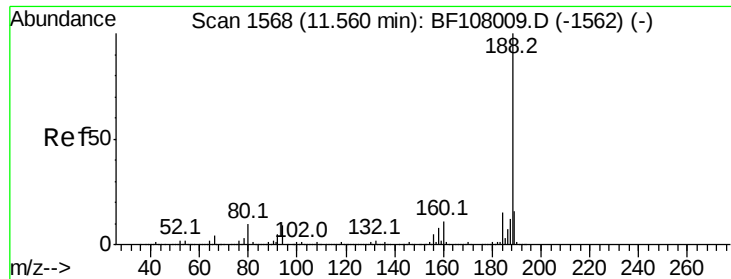
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#62  
Azobenzene  
Concen: 43.207 ng  
RT: 10.77 min Scan# 1433  
Delta R.T. -0.00 min  
Lab File: BF108236.D  
Acq: 17 Aug 2018 11:52

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 77      | 100   | 993226 |       |       |
| 182     | 27.3  | 1.7    | 41.7  |       |
| 105     | 22.0  | 3.0    | 43.0  |       |
| 51      | 33.8  | 9.9    | 49.9  |       |





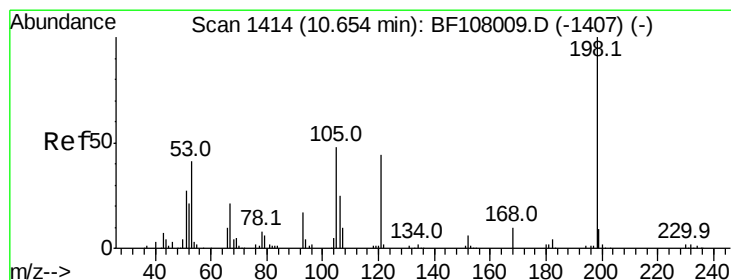
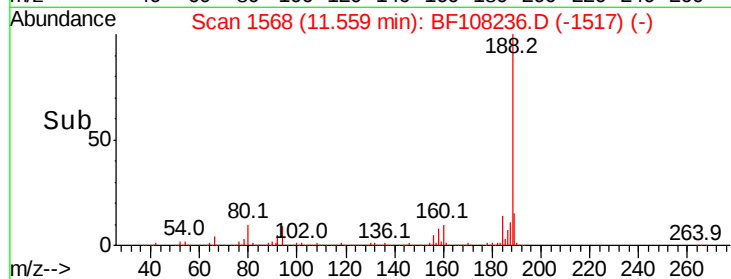
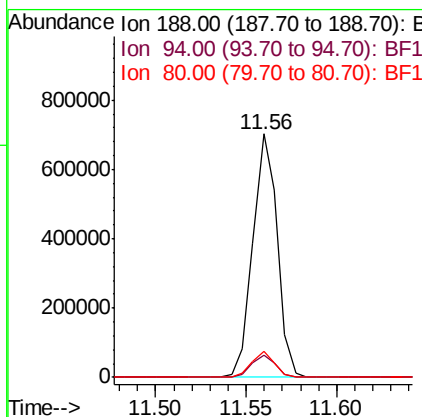
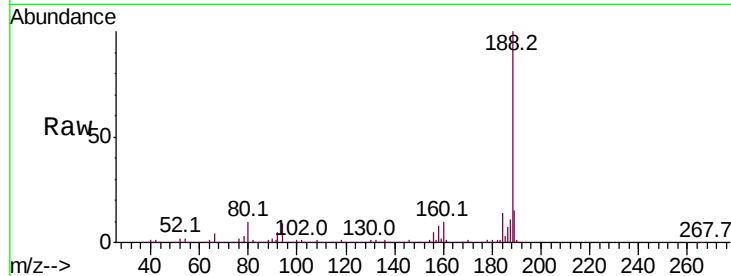
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.56 min Scan# 1568  
Delta R.T. -0.00 min  
Lab File: BF108236.D  
Acq: 17 Aug 2018 11:52

Instrument :  
BNA\_F  
ClientSampleId :  
PB112112BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 188     | 100   | 655674 |       |       |
| 94      | 9.2   |        | 8.5   | 12.7  |
| 80      | 10.5  |        | 9.2   | 13.8  |

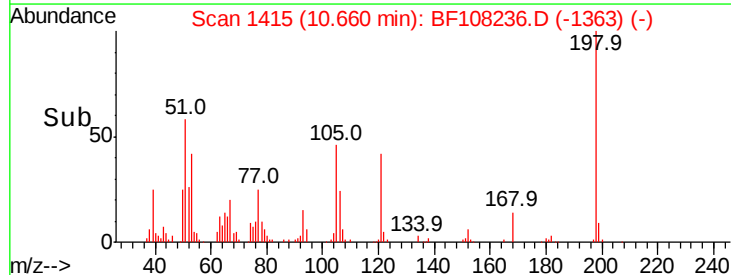
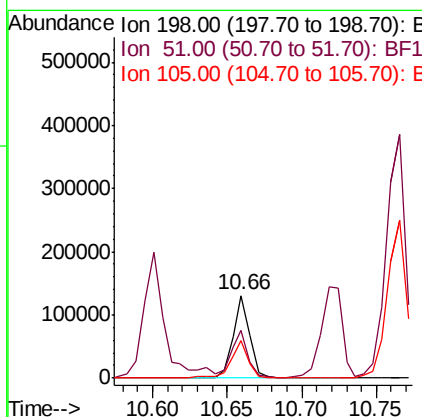
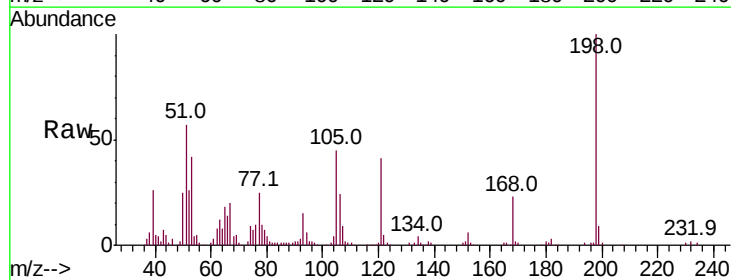
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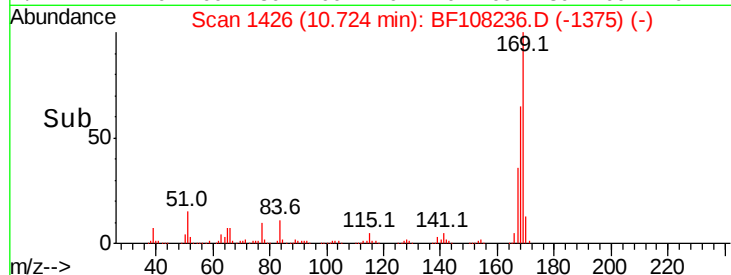
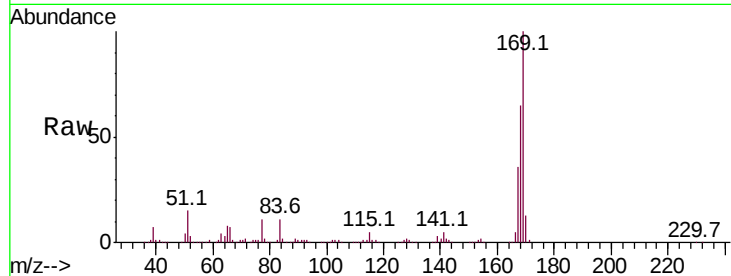
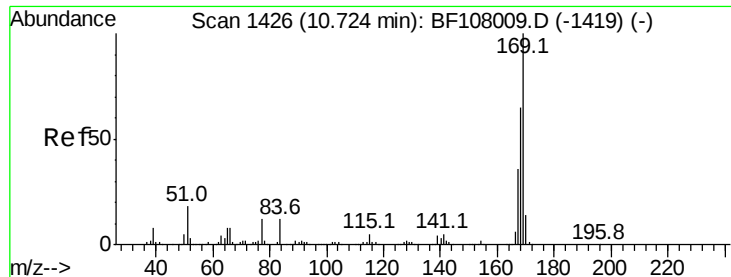
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#64  
4,6-Dinitro-2-methylphenol  
Concen: 42.929 ng  
RT: 10.66 min Scan# 1415  
Delta R.T. 0.01 min  
Lab File: BF108236.D  
Acq: 17 Aug 2018 11:52

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 198     | 100   | 104106 |       |       |
| 51      | 57.2  |        | 37.7  | 77.7  |
| 105     | 45.0  |        | 36.3  | 76.3  |





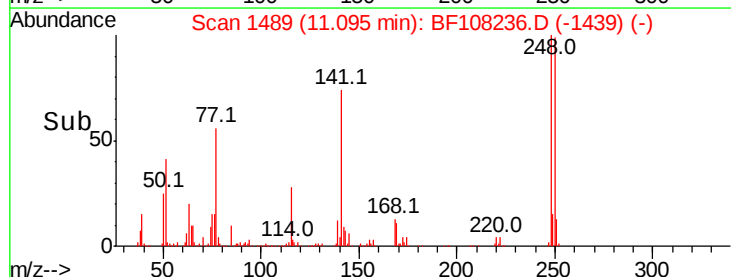
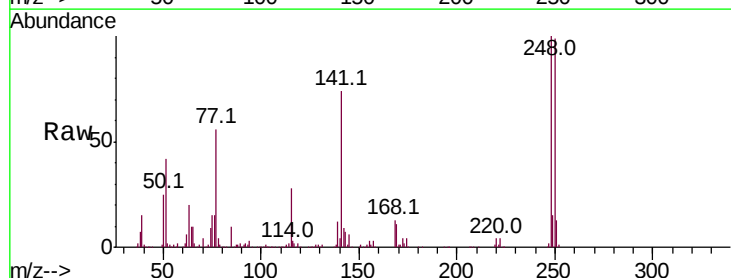
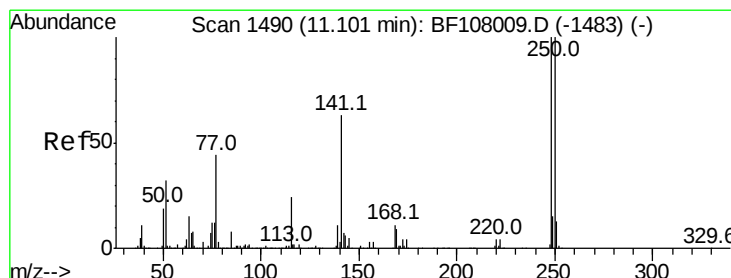
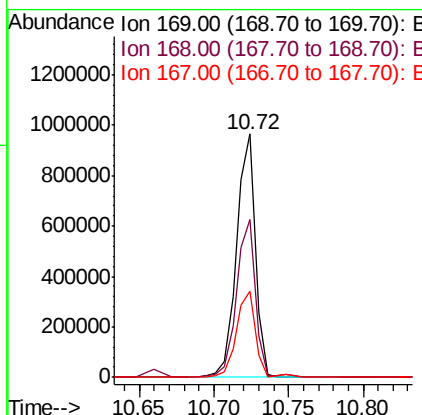
#65  
n-Nitrosodiphenylamine  
Concen: 44.340 ng  
RT: 10.72 min Scan# 1426  
Delta R.T. -0.00 min  
Lab File: BF108236.D  
Acq: 17 Aug 2018 11:52

Instrument :  
BNA\_F  
ClientSampleId :  
PB112112BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 169     | 100   | 859115 |       |       |
| 168     | 64.8  |        | 54.4  | 81.6  |
| 167     | 35.6  |        | 29.8  | 44.6  |

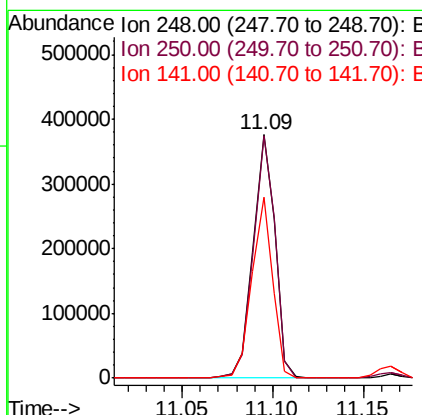
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#66  
4-Bromophenyl-phenylether  
Concen: 44.216 ng  
RT: 11.09 min Scan# 1489  
Delta R.T. -0.01 min  
Lab File: BF108236.D  
Acq: 17 Aug 2018 11:52

| Tgt Ion | Ratio | Resp   | Lower | Upper  |
|---------|-------|--------|-------|--------|
| 248     | 100   | 315057 |       |        |
| 250     | 99.5  |        | 76.9  | 115.3  |
| 141     | 74.1  |        | 74.4  | 111.6# |





#67

Hexachlorobenzene

Concen: 43.650 ng

RT: 11.17 min Scan# 1501

Delta R.T. -0.00 min

Lab File: BF108236.D

Acq: 17 Aug 2018 11:52

Instrument :

BNA\_F

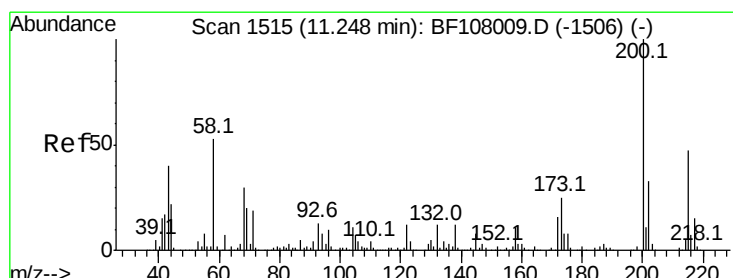
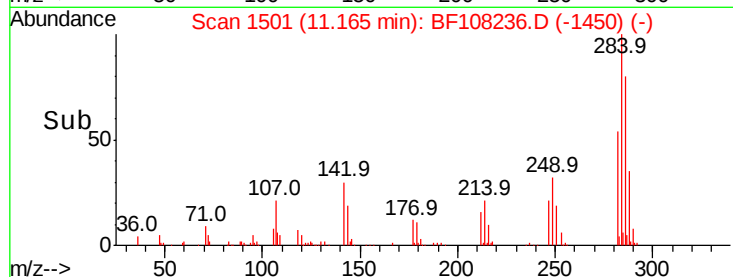
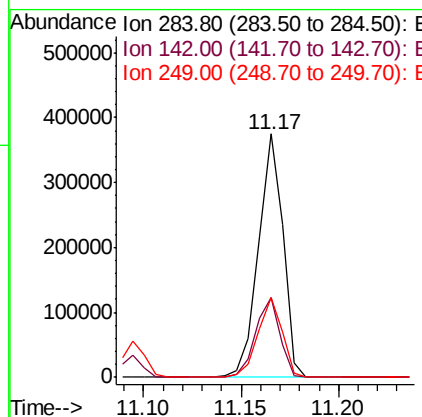
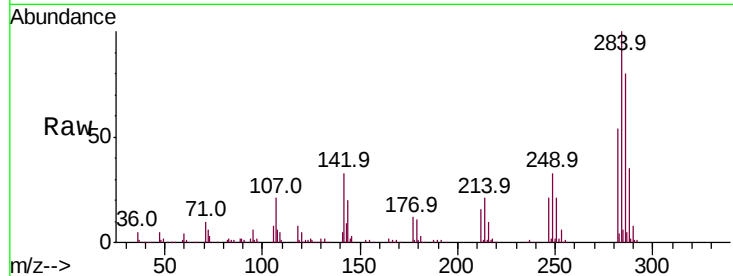
ClientSampleId :

PB112112BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 284   | Resp: | 327249 |
| Ion Ratio | Lower | Upper |        |
| 284       | 100   |       |        |
| 142       | 32.6  | 34.6  | 52.0#  |
| 249       | 32.8  | 24.8  | 37.2   |

Manual Integrations  
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#68

Atrazine

Concen: 45.164 ng

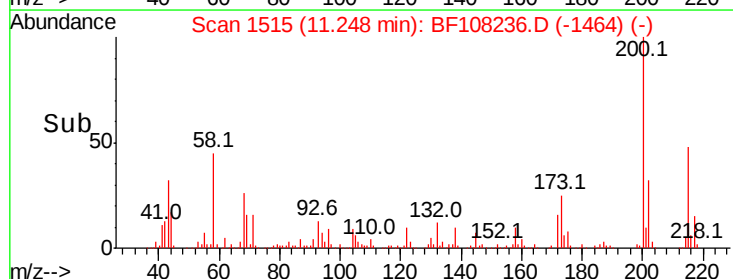
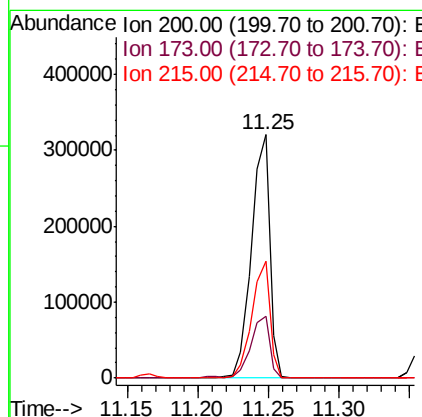
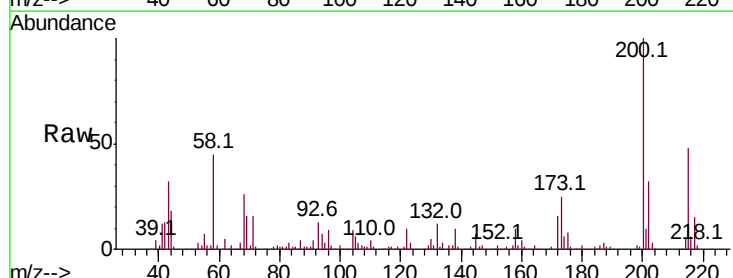
RT: 11.25 min Scan# 1515

Delta R.T. -0.00 min

Lab File: BF108236.D

Acq: 17 Aug 2018 11:52

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 200   | Resp: | 293512 |
| Ion Ratio | Lower | Upper |        |
| 200       | 100   |       |        |
| 173       | 25.2  | 8.6   | 48.6   |
| 215       | 48.1  | 25.1  | 65.1   |





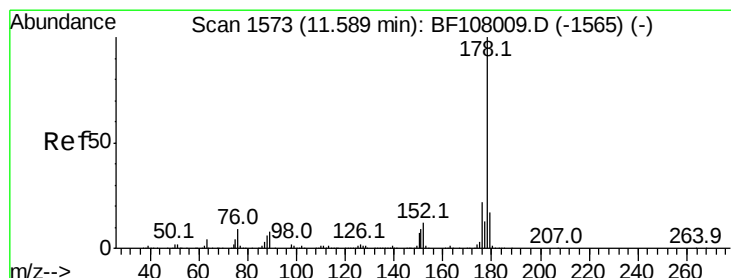
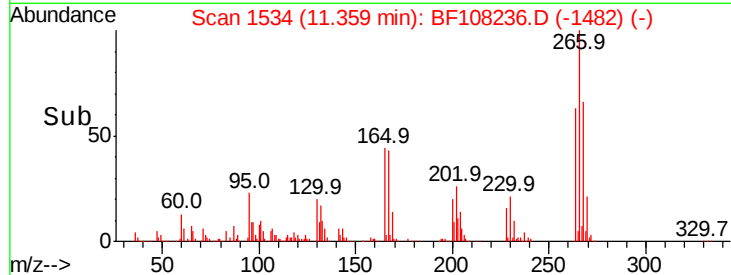
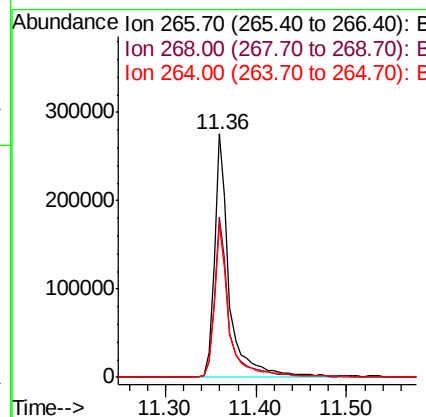
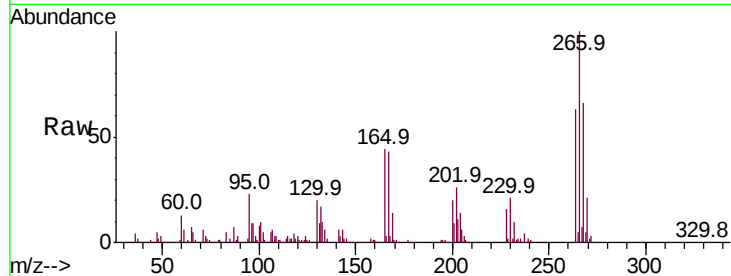
#69  
 Pentachlorophenol  
 Concen: 88.992 ng  
 RT: 11.36 min Scan# 1534  
 Delta R.T. 0.01 min  
 Lab File: BF108236.D  
 Acq: 17 Aug 2018 11:52

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB112112BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 266     | 100   |      |       |       |
| 268     | 65.9  | 51.1 | 76.7  |       |
| 264     | 62.9  | 49.5 | 74.3  |       |

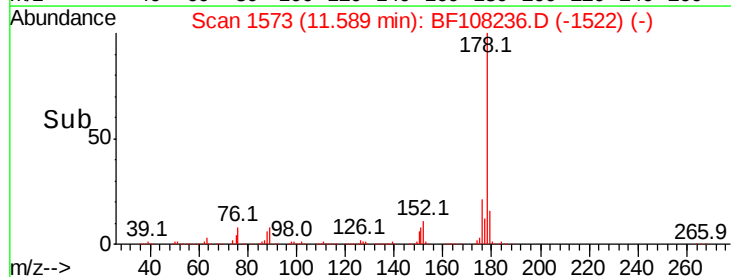
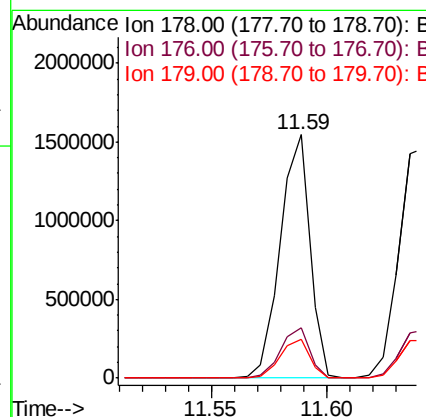
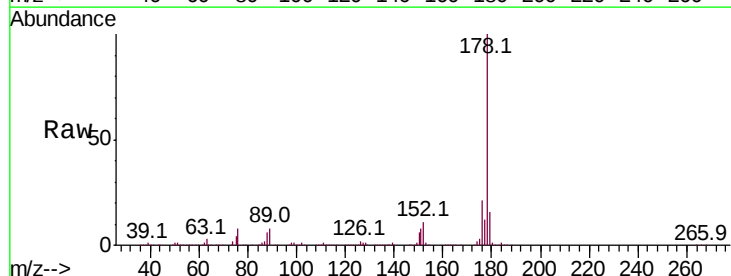
Manual Integrations  
 APPROVED

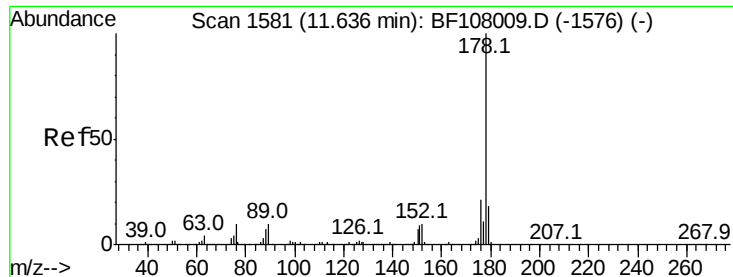
Sohil  
 8/20/2018 12:48:17 PM



#70  
 Phenanthrene  
 Concen: 44.724 ng  
 RT: 11.59 min Scan# 1573  
 Delta R.T. -0.00 min  
 Lab File: BF108236.D  
 Acq: 17 Aug 2018 11:52

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 178     | 100   |      |       |       |
| 176     | 20.7  | 15.8 | 23.8  |       |
| 179     | 16.2  | 13.0 | 19.6  |       |





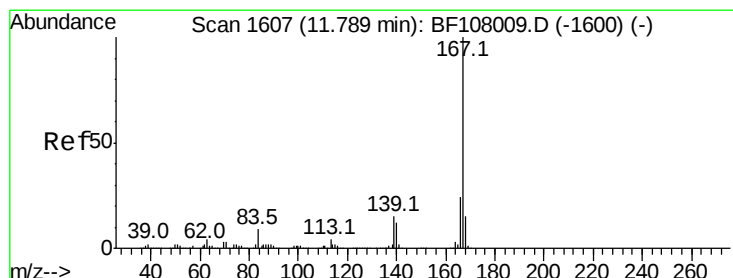
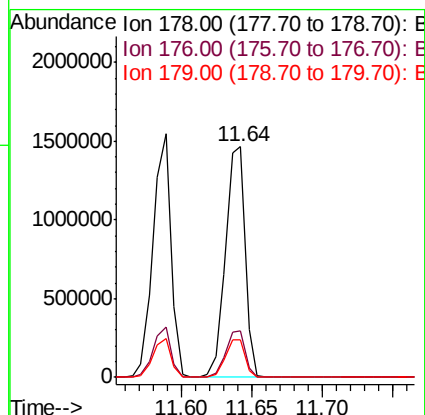
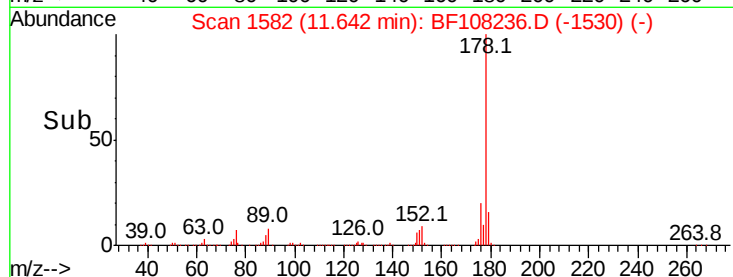
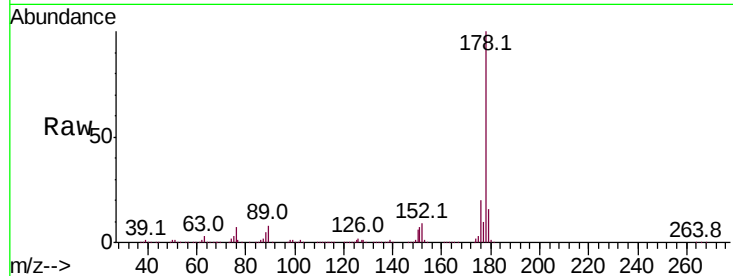
#71  
 Anthracene  
 Concen: 44.722 ng  
 RT: 11.64 min Scan# 1582  
 Delta R.T. 0.01 min  
 Lab File: BF108236.D  
 Acq: 17 Aug 2018 11:52

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB112112BS

|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 178   | Resp: | 1417541 |
| Ion      | Ratio | Lower | Upper   |
| 178      | 100   |       |         |
| 176      | 20.1  | 15.4  | 23.2    |
| 179      | 16.3  | 12.6  | 19.0    |

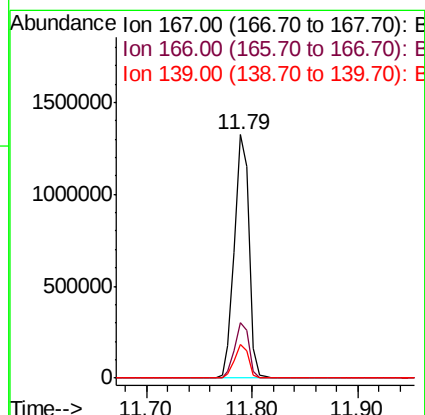
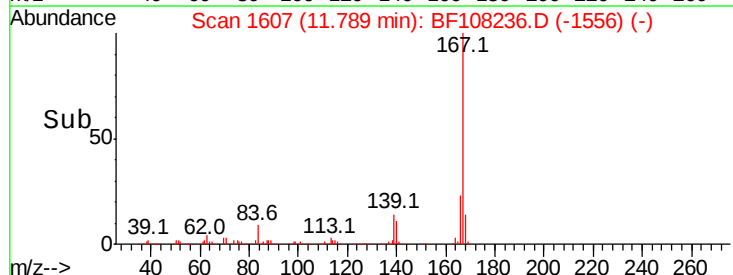
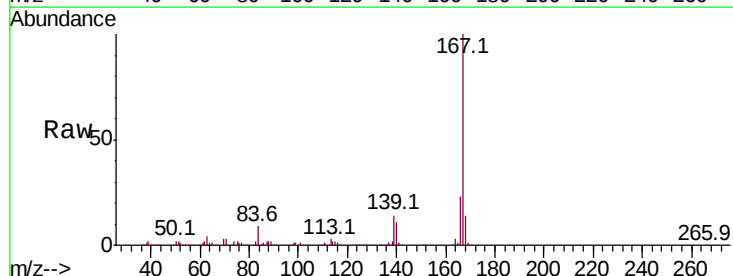
Manual Integrations  
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Sohil  
 8/20/2018 12:48:17 PM



#72  
 Carbazole  
 Concen: 44.727 ng  
 RT: 11.79 min Scan# 1607  
 Delta R.T. -0.00 min  
 Lab File: BF108236.D  
 Acq: 17 Aug 2018 11:52

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 167   | Resp: | 1259595 |
| Ion      | Ratio | Lower | Upper   |
| 167      | 100   |       |         |
| 166      | 22.6  | 17.6  | 26.4    |
| 139      | 13.9  | 10.9  | 16.3    |





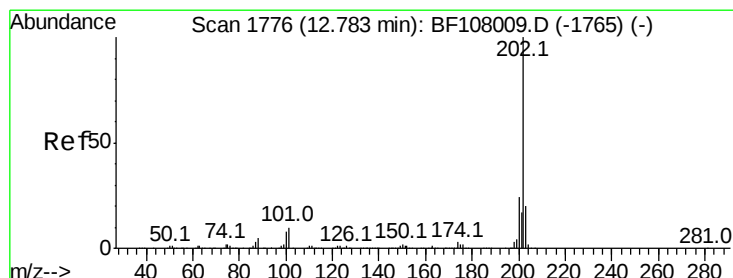
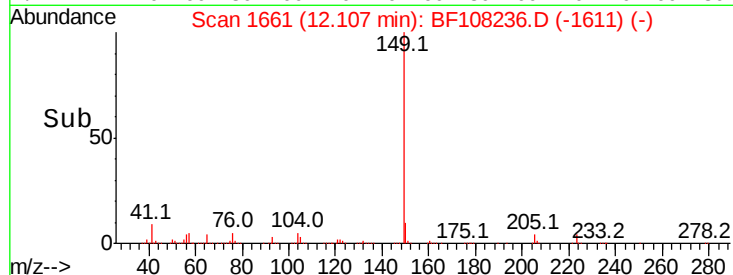
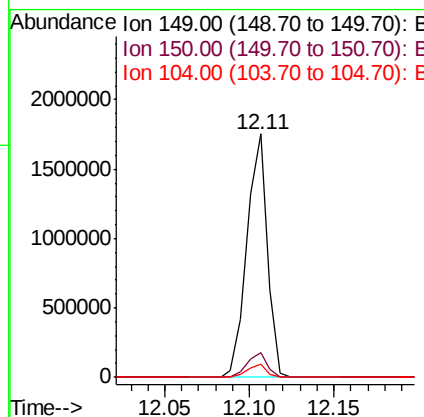
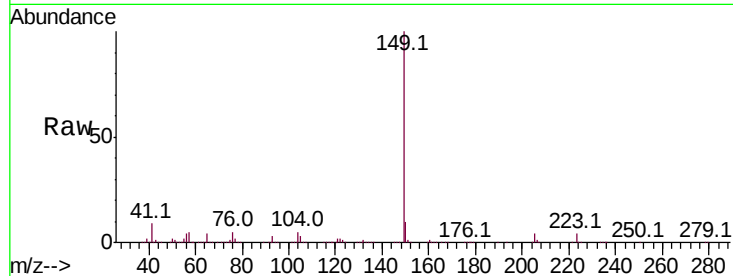
#73  
Di-n-butylphthalate  
Concen: 46.665 ng  
RT: 12.11 min Scan# 1661  
Delta R.T. -0.01 min  
Lab File: BF108236.D  
Acq: 17 Aug 2018 11:52

Instrument :  
BNA\_F  
ClientSampleId :  
PB112112BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 150     | 10.0  | 7.8   | 11.6  |
| 104     | 5.2   | 3.8   | 5.8   |

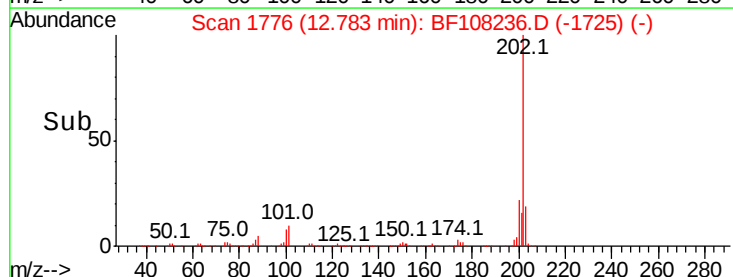
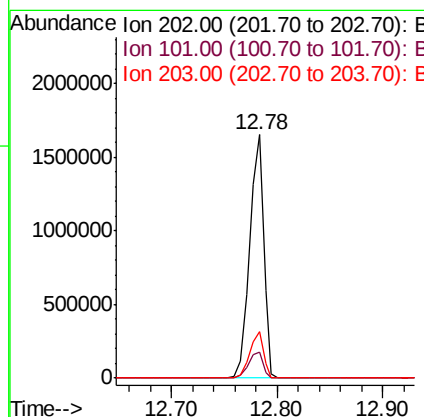
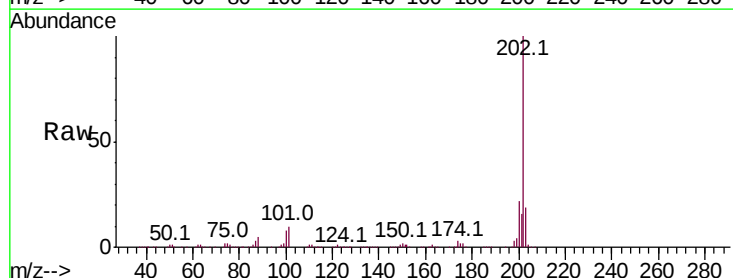
Manual Integrations  
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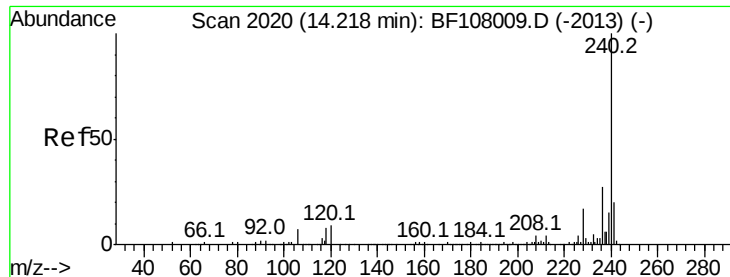
Sohil  
8/20/2018 12:48:17 PM



#74  
Fluoranthene  
Concen: 45.072 ng  
RT: 12.78 min Scan# 1776  
Delta R.T. -0.00 min  
Lab File: BF108236.D  
Acq: 17 Aug 2018 11:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 10.4  | 0.0   | 34.1  |
| 203     | 19.1  | 0.0   | 38.1  |





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.22 min Scan# 2020

Delta R.T. -0.00 min

Lab File: BF108236.D

Acq: 17 Aug 2018 11:52

Instrument :

BNA\_F

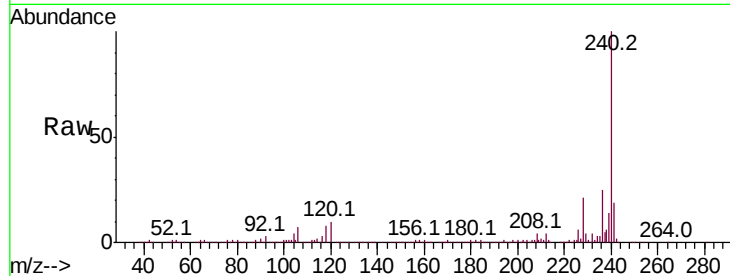
ClientSampleId :

PB112112BS

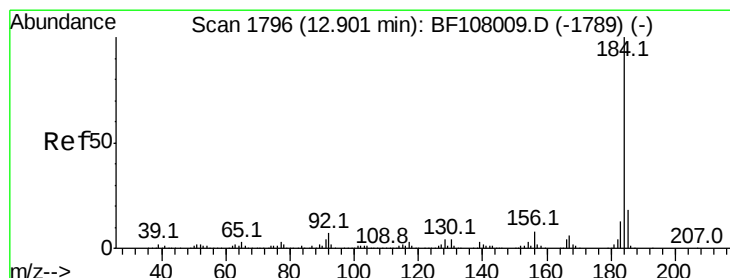
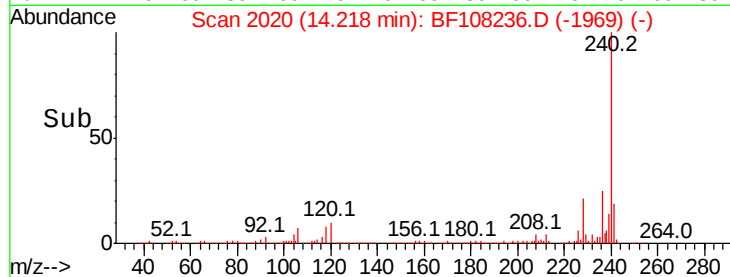
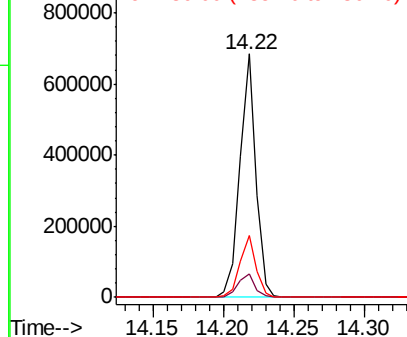
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 240   | Resp: | 538880 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 9.6   | 9.5   | 14.3   |
| 236       | 25.2  | 20.7  | 31.1   |

Manual Integrations  
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8/20/2018 12:48:17 PM



Abundance Ion 240.00 (239.70 to 240.70): E  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 31.985 ng

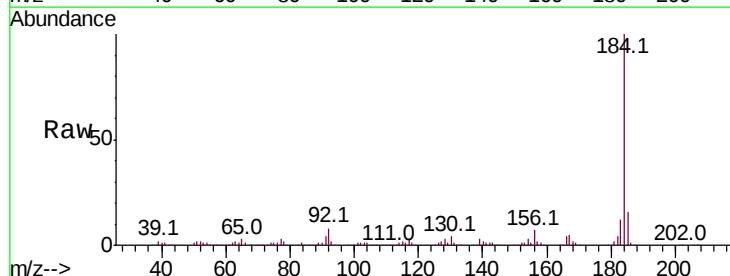
RT: 12.89 min Scan# 1795

Delta R.T. -0.01 min

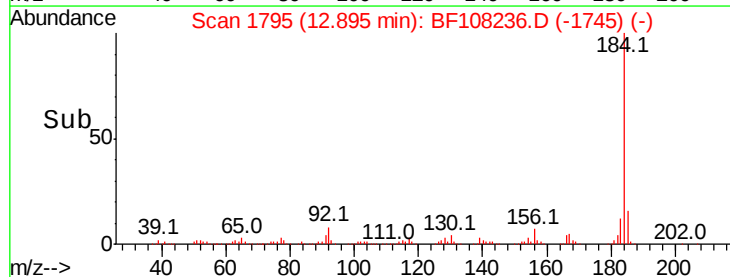
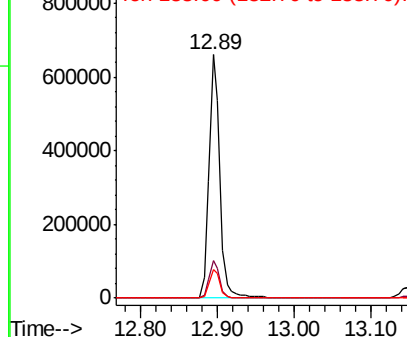
Lab File: BF108236.D

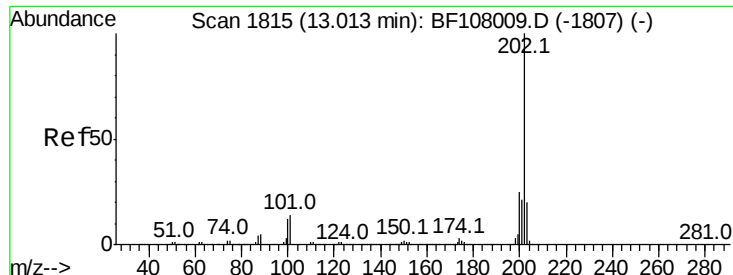
Acq: 17 Aug 2018 11:52

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 184   | Resp: | 643982 |
| Ion Ratio | Lower | Upper |        |
| 184       | 100   |       |        |
| 185       | 15.6  | 12.6  | 18.8   |
| 183       | 11.9  | 9.3   | 13.9   |



Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 185.00 (184.70 to 185.70): E  
Ion 183.00 (182.70 to 183.70): E





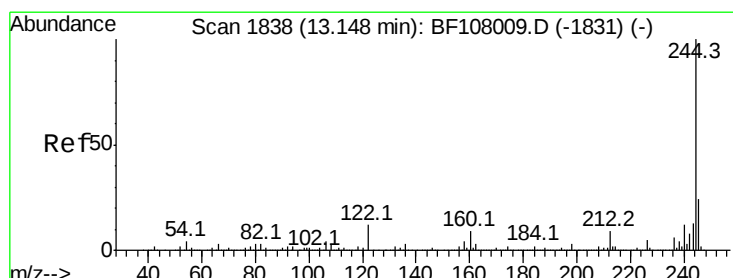
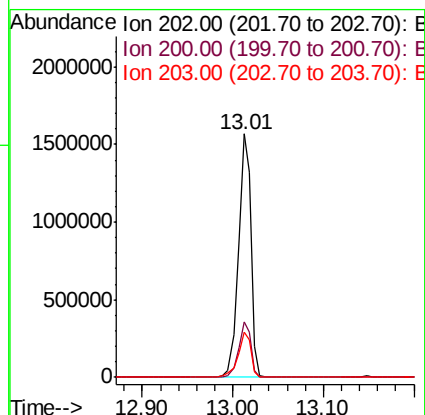
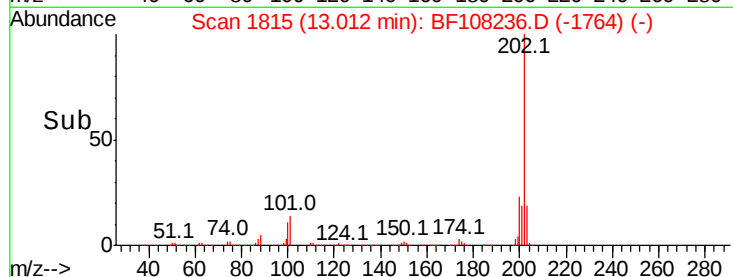
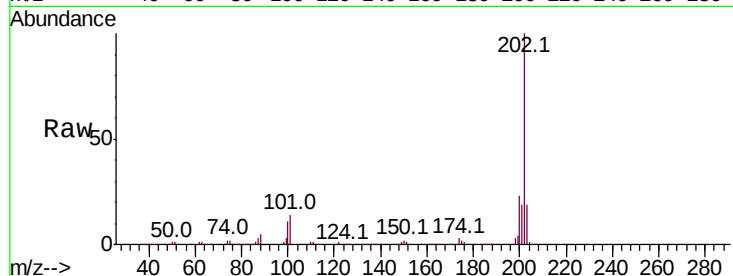
#77  
Pvrene  
Concen: 44.844 ng  
RT: 13.01 min Scan# 1815  
Delta R.T. -0.00 min  
Lab File: BF108236.D  
Acq: 17 Aug 2018 11:52

Instrument :  
BNA\_F  
ClientSampleId :  
PB112112BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 22.7  | 17.4  | 26.2  |
| 203     | 18.7  | 14.3  | 21.5  |

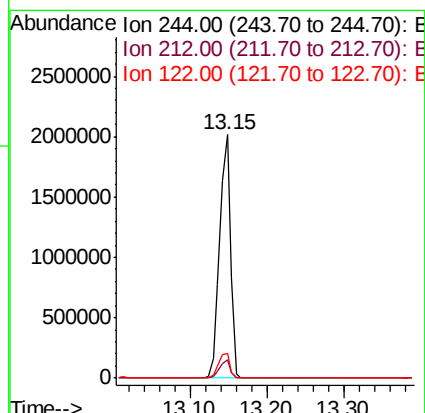
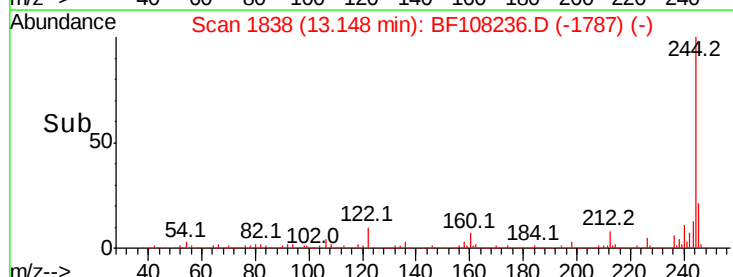
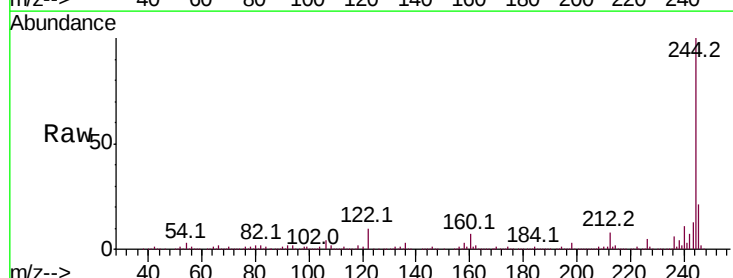
Manual Integrations  
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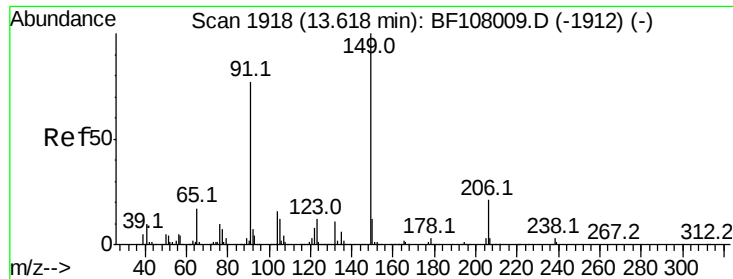
Sohil  
8/20/2018 12:48:17 PM



#78  
Terphenyl-d14  
Concen: 91.492 ng  
RT: 13.15 min Scan# 1838  
Delta R.T. -0.00 min  
Lab File: BF108236.D  
Acq: 17 Aug 2018 11:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.6   | 5.4   | 8.0   |
| 122     | 10.2  | 11.0  | 16.4# |





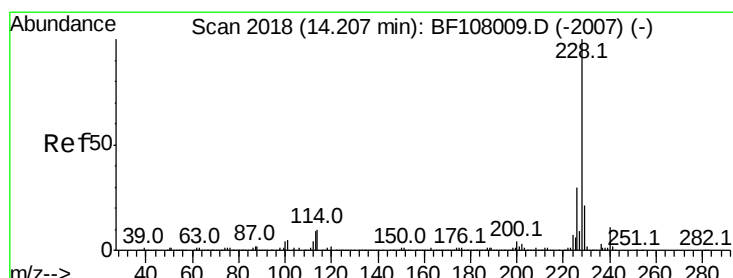
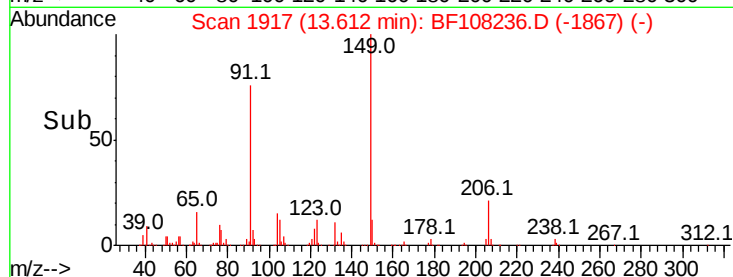
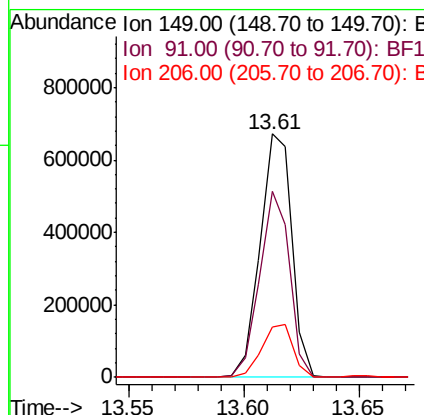
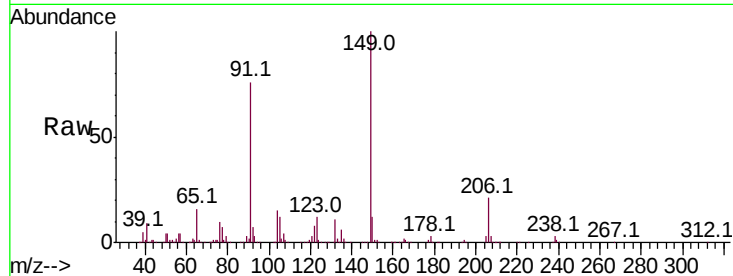
#79  
Butylbenzylphthalate  
Concen: 47.609 ng  
RT: 13.61 min Scan# 1917  
Delta R.T. -0.01 min  
Lab File: BF108236.D  
Acq: 17 Aug 2018 11:52

Instrument :  
BNA\_F  
ClientSampleId :  
PB112112BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 644965 |       |       |
| 91      | 76.4  | 56.8   | 85.2  |       |
| 206     | 20.5  | 14.1   | 21.1  |       |

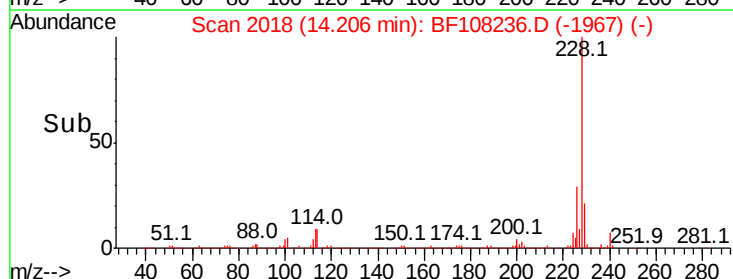
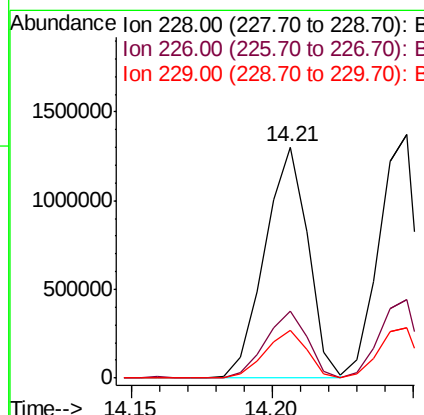
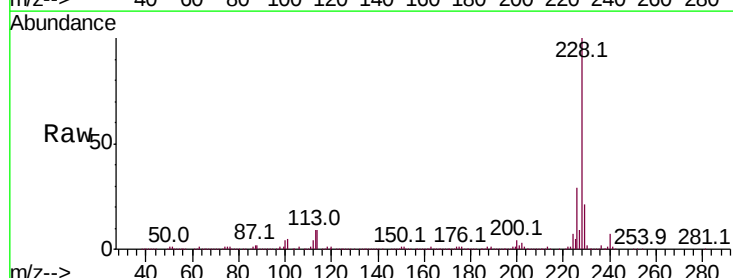
Manual Integrations  
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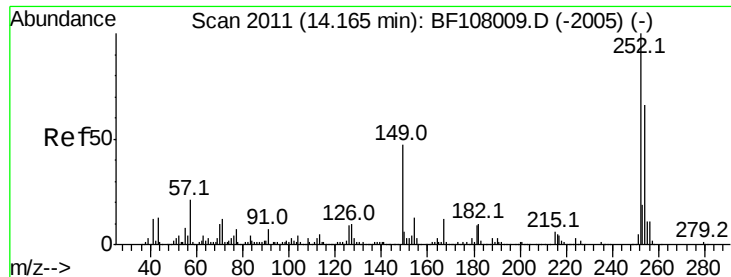
Sohil  
8/20/2018 12:48:17 PM



#80  
Benzo(a)anthracene  
Concen: 44.600 ng  
RT: 14.21 min Scan# 2018  
Delta R.T. -0.00 min  
Lab File: BF108236.D  
Acq: 17 Aug 2018 11:52

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 228     | 100   | 1379297 |       |       |
| 226     | 29.0  | 22.6    | 33.8  |       |
| 229     | 20.8  | 15.8    | 23.6  |       |





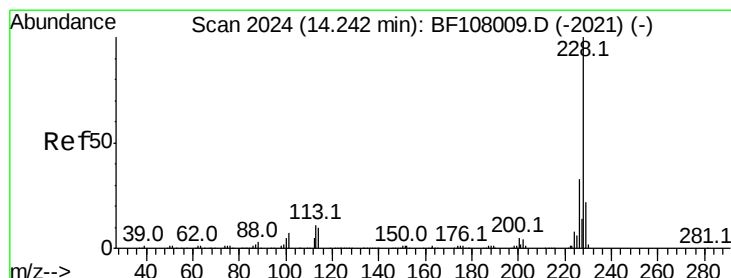
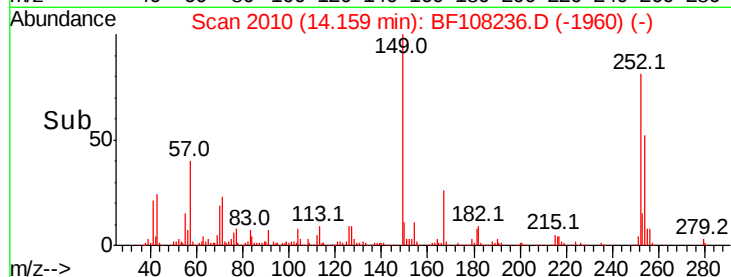
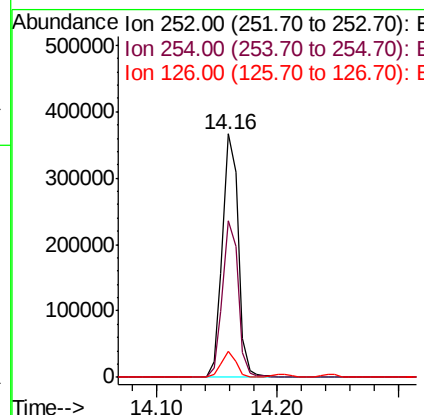
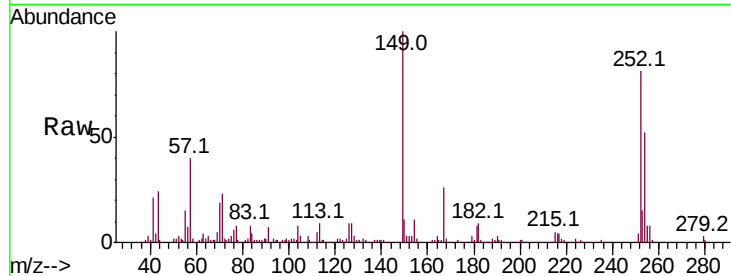
#81  
 3,3'-Dichlorobenzidine  
 Concen: 30.064 ng  
 RT: 14.16 min Scan# 2010  
 Delta R.T. -0.01 min  
 Lab File: BF108236.D  
 Acq: 17 Aug 2018 11:52

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB112112BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 252     | 100   | 333204 |       |       |
| 254     | 64.5  | 50.4   | 75.6  |       |
| 126     | 10.9  | 11.3   | 16.9  |       |

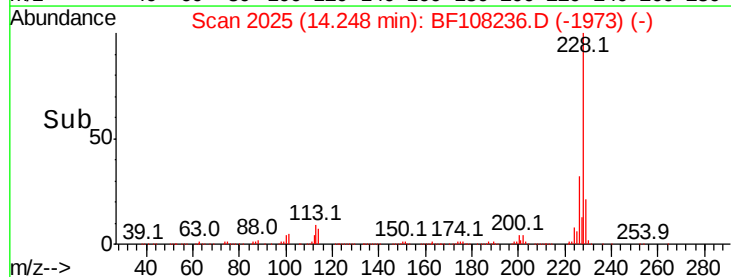
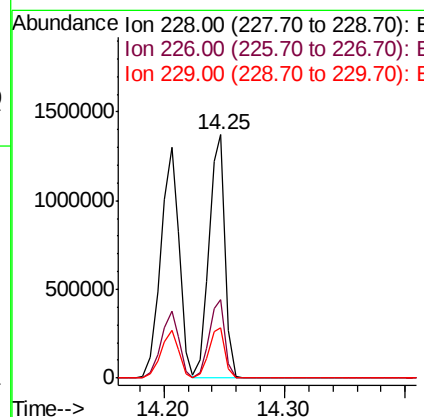
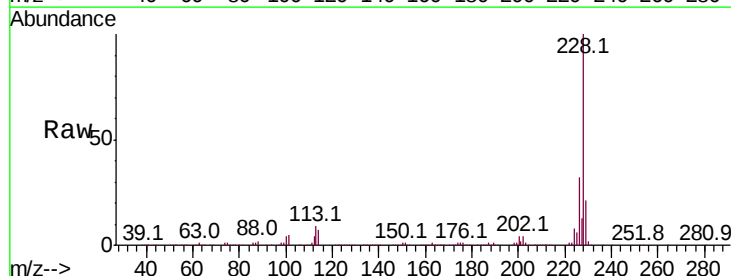
Manual Integrations  
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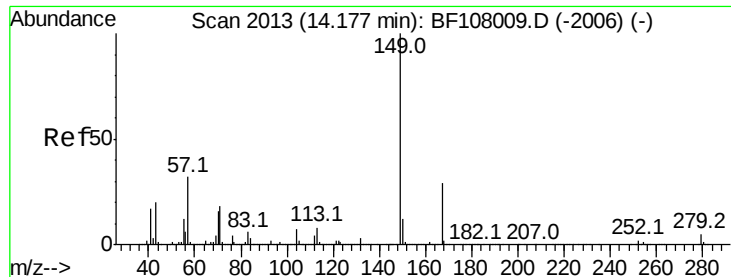
Sohil  
 8/20/2018 12:48:17 PM



#82  
 Chrysene  
 Concen: 44.112 ng  
 RT: 14.25 min Scan# 2025  
 Delta R.T. 0.01 min  
 Lab File: BF108236.D  
 Acq: 17 Aug 2018 11:52

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 228     | 100   | 1250707 |       |       |
| 226     | 32.3  | 25.0    | 37.6  |       |
| 229     | 20.6  | 16.2    | 24.4  |       |





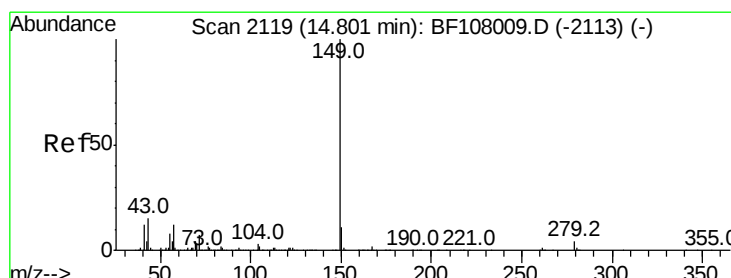
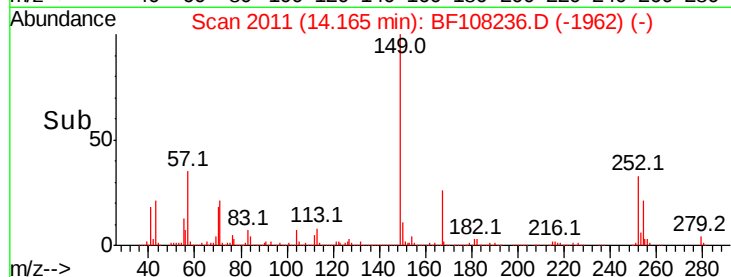
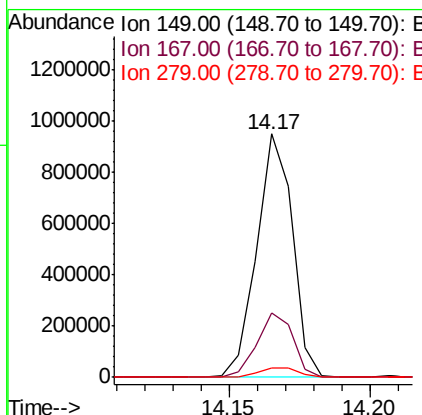
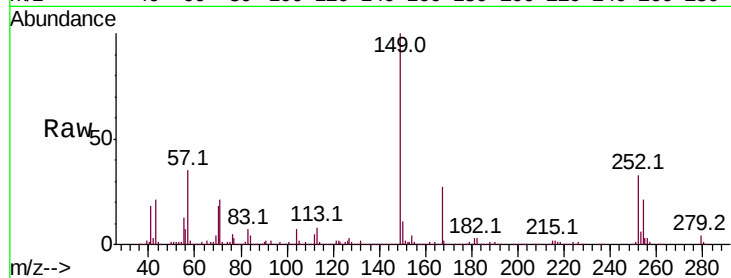
#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 45.490 ng  
 RT: 14.17 min Scan# 2011  
 Delta R.T. -0.01 min  
 Lab File: BF108236.D  
 Acq: 17 Aug 2018 11:52

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB112112BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 834534 |       |       |
| 167     | 26.5  | 21.3   | 31.9  |       |
| 279     | 3.7   | 3.0    | 4.4   |       |

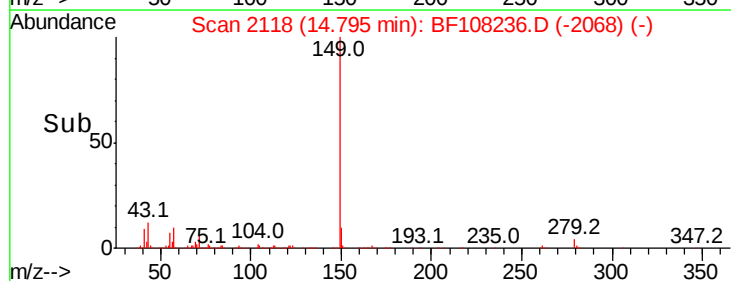
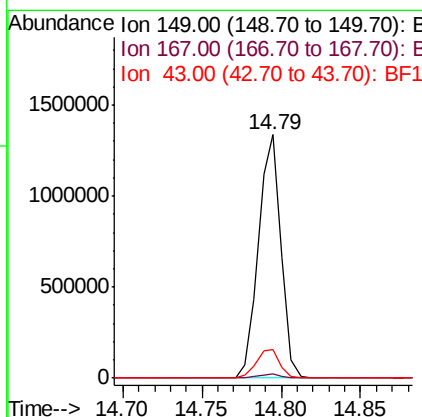
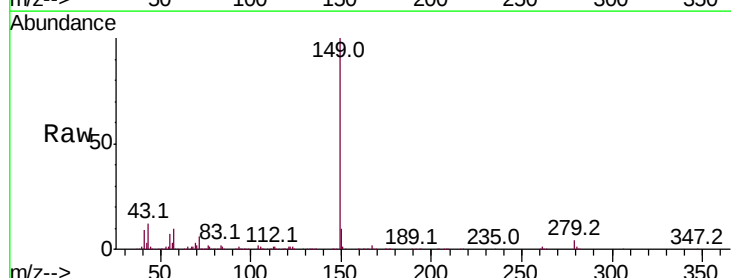
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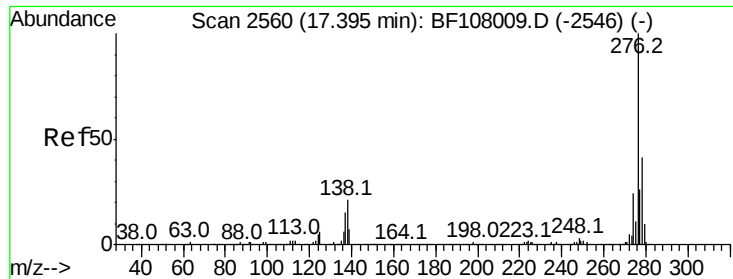
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#84  
 Di-n-octyl phthalate  
 Concen: 47.259 ng  
 RT: 14.79 min Scan# 2118  
 Delta R.T. -0.01 min  
 Lab File: BF108236.D  
 Acq: 17 Aug 2018 11:52

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 149     | 100   | 1322248 |       |       |
| 167     | 1.5   | 1.2     | 1.8   |       |
| 43      | 12.1  | 8.4     | 12.6  |       |





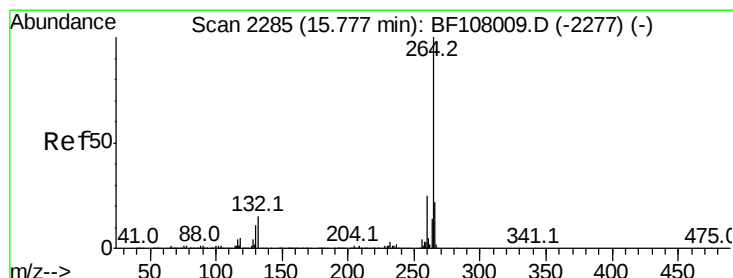
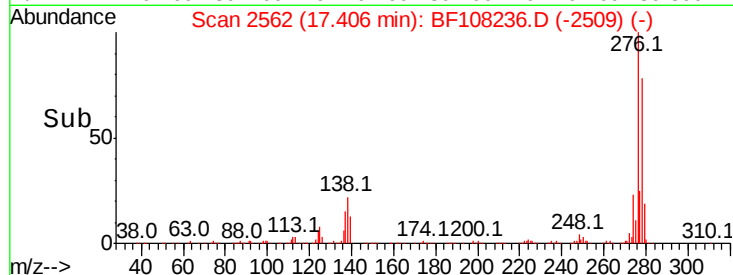
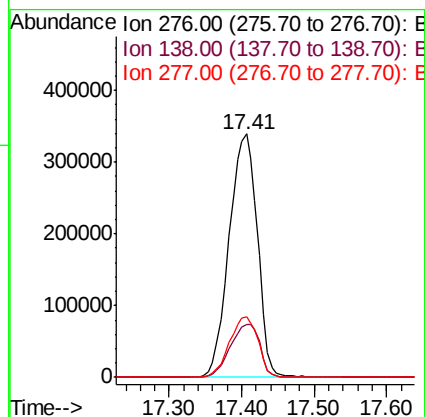
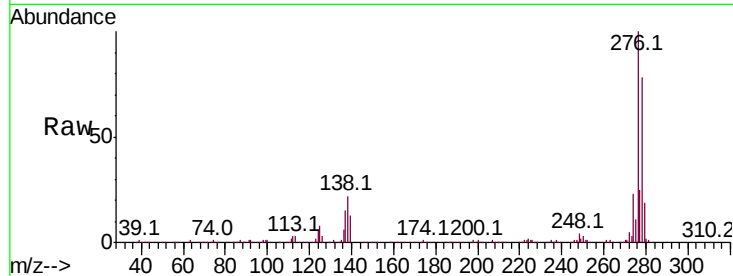
#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 37.316 ng  
 RT: 17.41 min Scan# 2562  
 Delta R.T. 0.01 min  
 Lab File: BF108236.D  
 Acq: 17 Aug 2018 11:52

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB112112BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 22.8  | 25.0  | 37.6# |
| 277     | 25.1  | 20.1  | 30.1  |

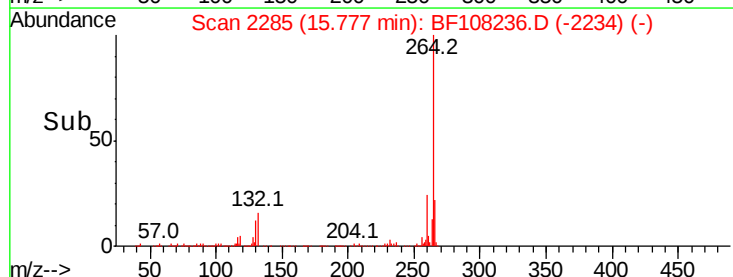
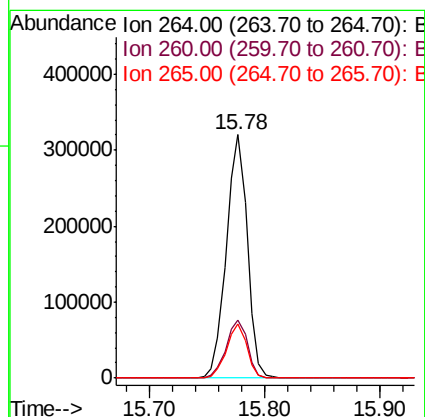
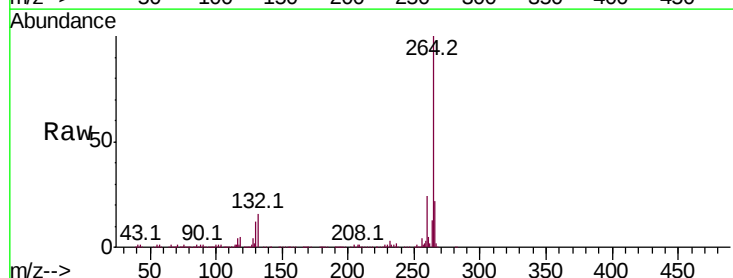
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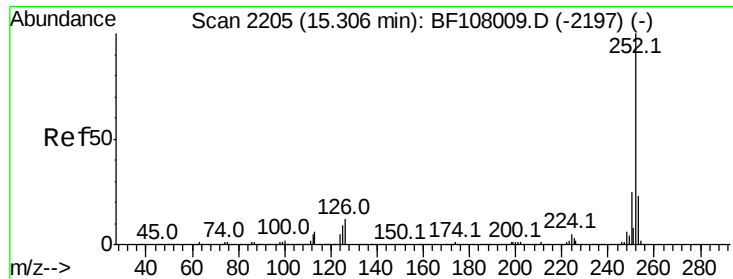
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#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.78 min Scan# 2285  
 Delta R.T. -0.00 min  
 Lab File: BF108236.D  
 Acq: 17 Aug 2018 11:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.0  | 19.2  | 28.8  |
| 265     | 22.3  | 17.5  | 26.3  |





#87

Benzo(b)fluoranthene

Concen: 47.424 ng

RT: 15.31 min Scan# 2205

Delta R.T. -0.00 min

Lab File: BF108236.D

Acq: 17 Aug 2018 11:52

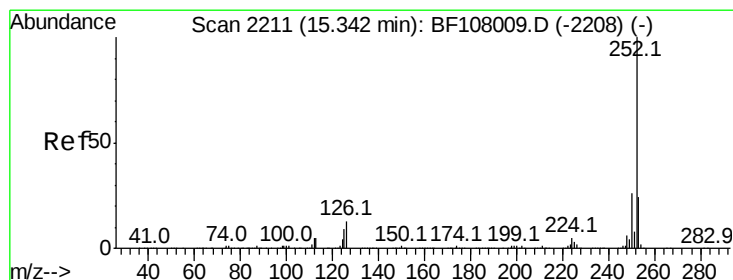
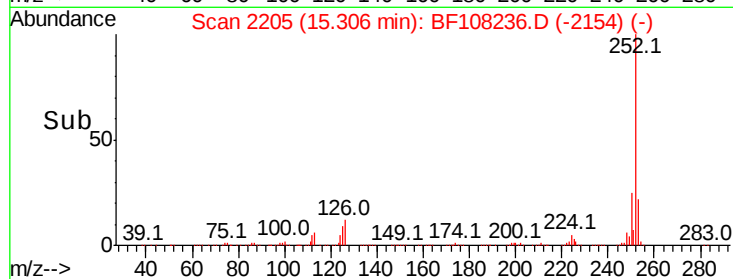
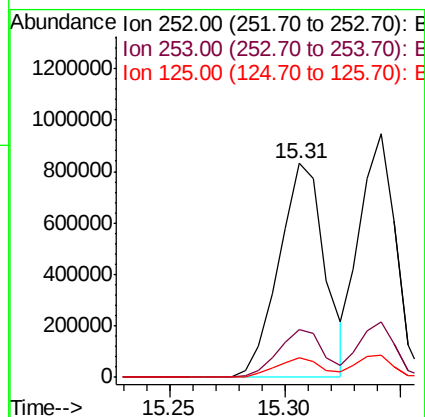
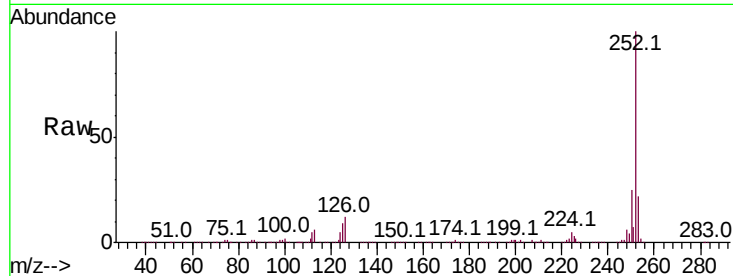
Instrument :  
BNA\_F

ClientSampleId :  
PB112112BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.2  | 17.0  | 25.6  |
| 125     | 9.5   | 9.0   | 13.6  |

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#88

Benzo(k)fluoranthene

Concen: 46.149 ng

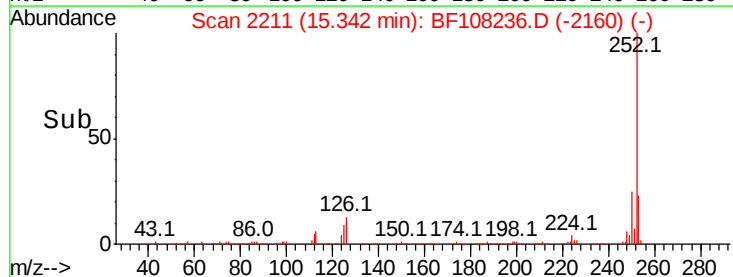
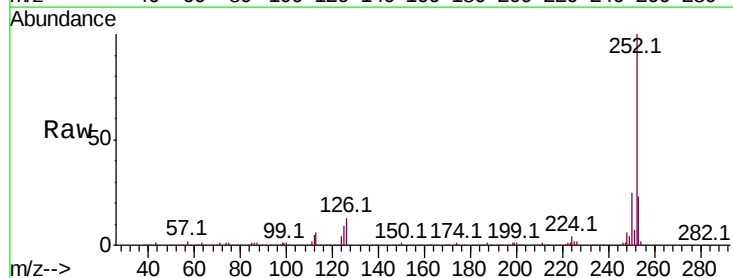
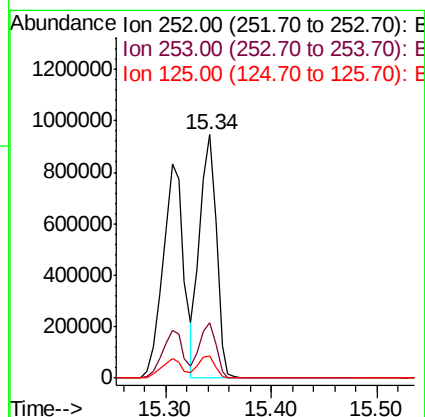
RT: 15.34 min Scan# 2211

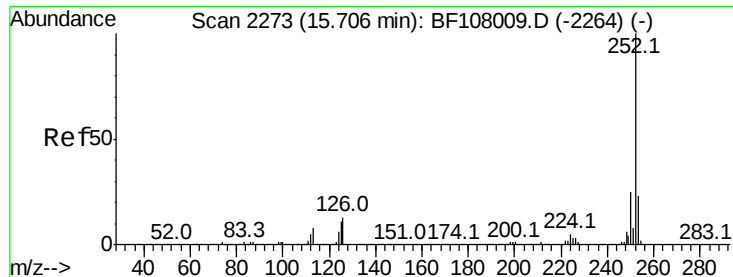
Delta R.T. -0.00 min

Lab File: BF108236.D

Acq: 17 Aug 2018 11:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.8  | 17.9  | 26.9  |
| 125     | 9.1   | 10.2  | 15.2# |





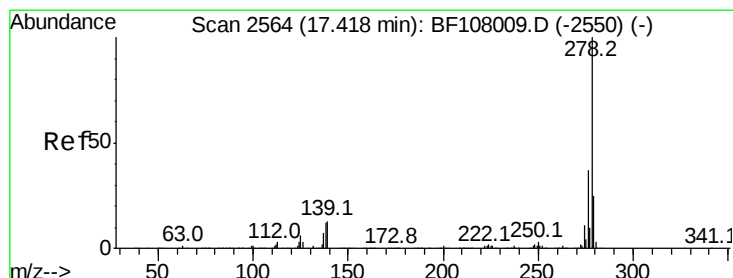
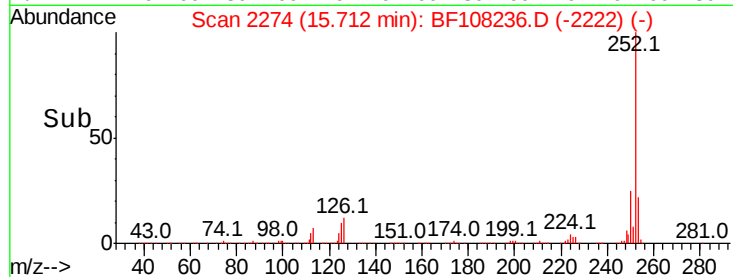
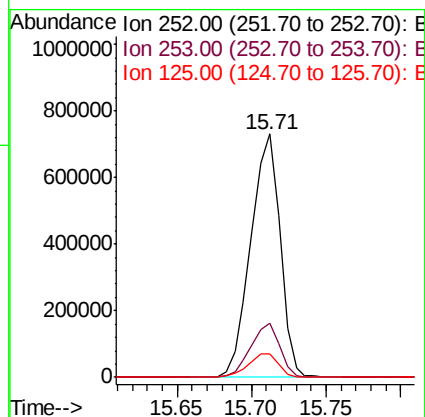
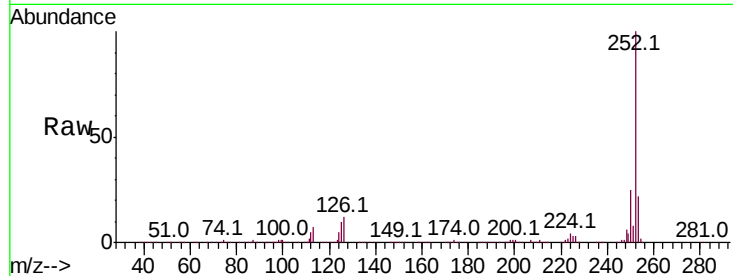
#89  
Benzo(a)pyrene  
Concen: 45.859 ng  
RT: 15.71 min Scan# 2274  
Delta R.T. 0.01 min  
Lab File: BF108236.D  
Acq: 17 Aug 2018 11:52

Instrument :  
BNA\_F  
ClientSampleId :  
PB112112BS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 252     | 100   |            |       |
| 253     | 22.4  | 17.1       | 25.7  |
| 125     | 9.7   | 9.8        | 14.6  |

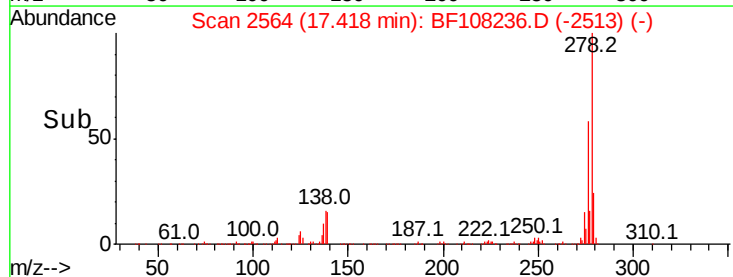
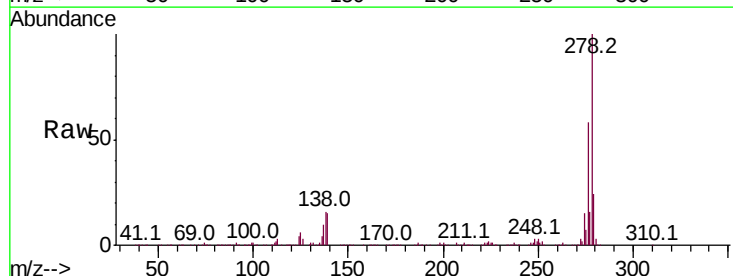
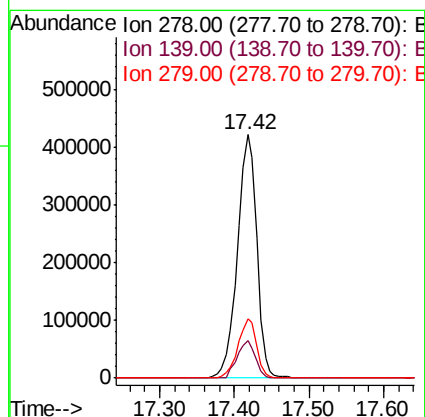
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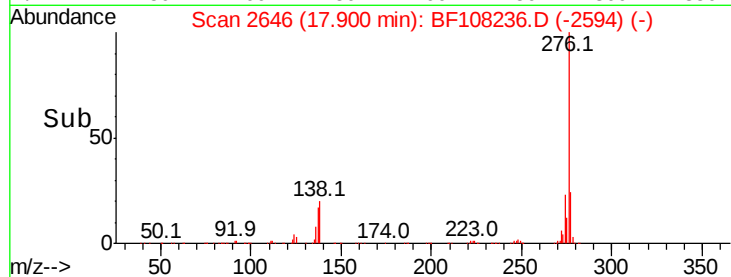
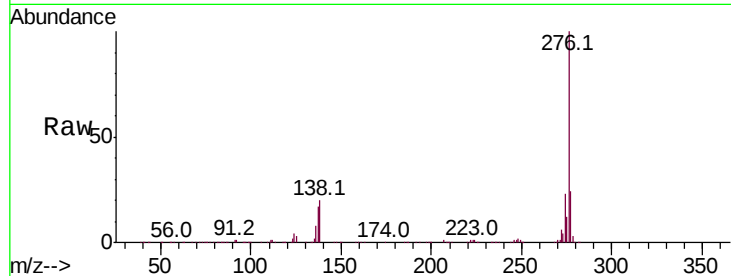
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#90  
Dibenzo(a,h)anthracene  
Concen: 42.674 ng  
RT: 17.42 min Scan# 2564  
Delta R.T. -0.00 min  
Lab File: BF108236.D  
Acq: 17 Aug 2018 11:52

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 278     | 100   |            |       |
| 139     | 15.3  | 15.9       | 23.9  |
| 279     | 24.2  | 19.0       | 28.4  |





#91  
 Benzo(a,h,i)perylene  
 Concen: 43.256 ng  
 RT: 17.90 min Scan# 2646  
 Delta R.T. 0.01 min  
 Lab File: BF108236.D  
 Acq: 17 Aug 2018 11:52

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB112112BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 24.1  | 17.9  | 26.9  |
| 138     | 19.7  | 21.8  | 32.8# |

Manual Integrations  
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