

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102918\  
 Data File : BM017407.D  
 Acq On : 29 Oct 2018 14:28  
 Operator : MJ/SJ  
 Sample : J5651-03MS  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Oct 29 15:07:49 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM101718.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 17 14:23:17 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.65  | 152  | 311176   | 20.00 | ng    | -0.03    |
| 21) Naphthalene-d8        | 10.42 | 136  | 1363322  | 20.00 | ng    | -0.03    |
| 39) Acenaphthene-d10      | 14.29 | 164  | 829208   | 20.00 | ng    | -0.02    |
| 64) Phenanthrene-d10      | 17.04 | 188  | 1967517  | 20.00 | ng    | -0.02    |
| 76) Chrysene-d12          | 21.24 | 240  | 2287108  | 20.00 | ng    | -0.02    |
| 87) Perylene-d12          | 23.45 | 264  | 2129453  | 20.00 | ng    | -0.03    |

## System Monitoring Compounds

|                          |       |     |         |        |    |       |
|--------------------------|-------|-----|---------|--------|----|-------|
| 5) 2-Fluorophenol        | 5.27  | 112 | 2012113 | 109.36 | ng | -0.02 |
| 7) Phenol-d6             | 6.84  | 99  | 2521730 | 100.64 | ng | -0.02 |
| 23) Nitrobenzene-d5      | 8.80  | 82  | 1863285 | 79.93  | ng | -0.03 |
| 42) 2,4,6-Tribromophenol | 15.79 | 330 | 1447776 | 129.11 | ng | -0.02 |
| 45) 2-Fluorobiphenyl     | 12.91 | 172 | 4546777 | 72.96  | ng | -0.02 |
| 79) Terphenyl-d14        | 19.69 | 244 | 7661731 | 75.51  | ng | -0.02 |

## Target Compounds

|                                |       |     |         |        |    | Qvalue |
|--------------------------------|-------|-----|---------|--------|----|--------|
| 2) 1,4-Dioxane                 | 3.27  | 88  | 244514  | 26.026 | ng | # 81   |
| 3) Pyridine                    | 3.65  | 79  | 702585  | 32.502 | ng | 90     |
| 4) n-Nitrosodimethylamine      | 3.56  | 42  | 366981  | 42.289 | ng | # 72   |
| 6) Aniline                     | 6.99  | 93  | 458552  | 14.631 | ng | 97     |
| 8) 2-Chlorophenol              | 7.22  | 128 | 1032621 | 48.515 | ng | 99     |
| 9) Benzaldehyde                | 6.80  | 77  | 386818  | 24.211 | ng | 96     |
| 10) Phenol                     | 6.86  | 94  | 1074798 | 39.855 | ng | 99     |
| 11) bis(2-Chloroethyl)ether    | 7.09  | 93  | 914562  | 42.542 | ng | 99     |
| 12) 1,3-Dichlorobenzene        | 7.53  | 146 | 1005668 | 40.532 | ng | 98     |
| 13) 1,4-Dichlorobenzene        | 7.68  | 146 | 1036259 | 40.878 | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 7.99  | 146 | 1004688 | 41.135 | ng | 99     |
| 15) Benzyl Alcohol             | 7.90  | 79  | 932343  | 50.904 | ng | 95     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.18  | 45  | 1216802 | 40.514 | ng | 99     |
| 17) 2-Methylphenol             | 8.10  | 107 | 863340  | 49.876 | ng | 98     |
| 18) Hexachloroethane           | 8.71  | 117 | 361843  | 41.709 | ng | 96     |
| 19) n-Nitroso-di-n-propylamine | 8.46  | 70  | 778276  | 47.170 | ng | 97     |
| 20) 3+4-Methylphenols          | 8.43  | 107 | 1162518 | 49.104 | ng | 98     |
| 22) Acetophenone               | 8.47  | 105 | 1543951 | 44.676 | ng | # 99   |
| 24) Nitrobenzene               | 8.85  | 77  | 1167609 | 47.354 | ng | 96     |
| 25) Isophorone                 | 9.37  | 82  | 2159684 | 56.107 | ng | 99     |
| 26) 2-Nitrophenol              | 9.55  | 139 | 583123  | 50.231 | ng | 97     |
| 27) 2,4-Dimethylphenol         | 9.62  | 122 | 999090  | 58.699 | ng | 97     |
| 28) bis(2-Chloroethoxy)methane | 9.85  | 93  | 1331031 | 49.129 | ng | 98     |
| 29) 2,4-Dichlorophenol         | 10.08 | 162 | 1043326 | 52.795 | ng | 99     |
| 30) 1,2,4-Trichlorobenzene     | 10.29 | 180 | 1024038 | 43.196 | ng | 99     |
| 31) Naphthalene                | 10.47 | 128 | 3196905 | 47.850 | ng | 100    |
| 32) Benzoic acid               | 9.79  | 122 | 652828  | 51.405 | ng | 97     |
| 33) 4-Chloroaniline            | 10.60 | 127 | 117112  | 4.059  | ng | 97     |
| 34) Hexachlorobutadiene        | 10.75 | 225 | 615776  | 40.994 | ng | 99     |
| 35) Caprolactam                | 11.41 | 113 | 118838  | 16.501 | ng | 94     |
| 36) 4-Chloro-3-methylphenol    | 11.73 | 107 | 1167782 | 52.424 | ng | 98     |
| 37) 2-Methylnaphthalene        | 12.09 | 142 | 2472040 | 54.070 | ng | 99     |
| 38) 1-Methylnaphthalene        | 12.32 | 142 | 2353024 | 52.880 | ng | 100    |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.46 | 216 | 1246926 | 42.700 | ng | 99     |

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 Sample : J5651-03MS  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

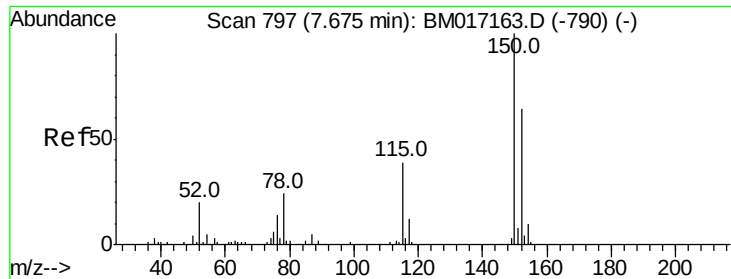
Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Oct 29 15:07:49 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM101718.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 17 14:23:17 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 12.44 | 237  | 1416707  | 100.353 | ng    | 100      |
| 43) 2,4,6-Trichlorophenol      | 12.72 | 196  | 882502   | 52.060  | ng    | 99       |
| 44) 2,4,5-Trichlorophenol      | 12.79 | 196  | 955904   | 52.586  | ng    | 99       |
| 46) 1,1'-Biphenyl              | 13.12 | 154  | 3160076  | 42.349  | ng    | 100      |
| 47) 2-Chloronaphthalene        | 13.16 | 162  | 2448419  | 44.601  | ng    | 98       |
| 48) 2-Nitroaniline             | 13.38 | 65   | 732004   | 47.294  | ng    | 93       |
| 49) Acenaphthylene             | 14.02 | 152  | 4110125  | 51.653  | ng    | 100      |
| 50) Dimethylphthalate          | 13.77 | 163  | 3208191  | 50.148  | ng    | 100      |
| 51) 2,6-Dinitrotoluene         | 13.89 | 165  | 728803   | 51.760  | ng    | 98       |
| 52) Acenaphthene               | 14.36 | 154  | 2402072  | 48.079  | ng    | 98       |
| 53) 3-Nitroaniline             | 14.22 | 138  | 279471   | 18.326  | ng    | 96       |
| 54) 2,4-Dinitrophenol          | 14.43 | 184  | 884773   | 104.324 | ng    | 97       |
| 55) Dibenzofuran               | 14.70 | 168  | 3865602  | 46.527  | ng    | 100      |
| 56) 4-Nitrophenol              | 14.55 | 139  | 1645238  | 116.113 | ng    | 99       |
| 57) 2,4-Dinitrotoluene         | 14.68 | 165  | 1039896  | 54.949  | ng    | 99       |
| 58) Fluorene                   | 15.35 | 166  | 3196121  | 51.973  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol  | 14.93 | 232  | 917808   | 55.390  | ng    | 100      |
| 60) Diethylphthalate           | 15.14 | 149  | 3281163  | 51.718  | ng    | 99       |
| 61) 4-Chlorophenyl-phenylether | 15.35 | 204  | 1602952  | 45.722  | ng    | 97       |
| 62) 4-Nitroaniline             | 15.39 | 138  | 715966   | 42.657  | ng    | 97       |
| 63) Azobenzene                 | 15.64 | 77   | 3046767  | 49.407  | ng    | 99       |
| 65) 4,6-Dinitro-2-methylphenol | 15.44 | 198  | 623349   | 49.142  | ng    | 98       |
| 66) n-Nitrosodiphenylamine     | 15.57 | 169  | 2868706  | 48.192  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether  | 16.24 | 248  | 1056222  | 48.891  | ng    | 98       |
| 68) Hexachlorobenzene          | 16.35 | 284  | 1132422  | 45.126  | ng    | 99       |
| 69) Atrazine                   | 16.53 | 200  | 1082594  | 50.814  | ng    | 98       |
| 70) Pentachlorophenol          | 16.70 | 266  | 1473627  | 85.723  | ng    | 99       |
| 71) Phenanthrene               | 17.09 | 178  | 5172623  | 48.728  | ng    | 100      |
| 72) Anthracene                 | 17.18 | 178  | 5313362  | 52.678  | ng    | 100      |
| 73) Carbazole                  | 17.46 | 167  | 4959074  | 48.130  | ng    | 100      |
| 74) Di-n-butylphthalate        | 18.02 | 149  | 5843878  | 53.775  | ng    | 99       |
| 75) Fluoranthene               | 19.11 | 202  | 6300739  | 52.747  | ng    | 99       |
| 77) Benzidine                  | 19.31 | 184  | 1464994  | 25.262  | ng    | 99       |
| 78) Pyrene                     | 19.47 | 202  | 6392964  | 50.012  | ng    | 100      |
| 80) Butylbenzylphthalate       | 20.39 | 149  | 2883024  | 57.585  | ng    | 95       |
| 81) Benzo(a)anthracene         | 21.23 | 228  | 6548664  | 50.881  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine     | 21.17 | 252  | 940404   | 19.605  | ng    | 98       |
| 83) Chrysene                   | 21.28 | 228  | 6162294  | 48.373  | ng    | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 21.17 | 149  | 4130044  | 54.665  | ng    | 97       |
| 85) Di-n-octyl phthalate       | 22.04 | 149  | 7245077  | 56.365  | ng    | 99       |
| 86) Indeno(1,2,3-cd)pyrene     | 25.66 | 276  | 5683285  | 39.887  | ng    | 99       |
| 88) Benzo(b)fluoranthene       | 22.80 | 252  | 6302138  | 54.131  | ng    | 99       |
| 89) Benzo(k)fluoranthene       | 22.84 | 252  | 6088150  | 52.114  | ng    | 99       |
| 90) Benzo(a)pyrene             | 23.36 | 252  | 5777442  | 52.265  | ng    | 100      |
| 91) Dibenzo(a,h)anthracene     | 25.67 | 278  | 4882870  | 44.485  | ng    | 100      |
| 92) Benzo(g,h,i)perylene       | 26.33 | 276  | 4549944  | 41.823  | ng    | 100      |

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



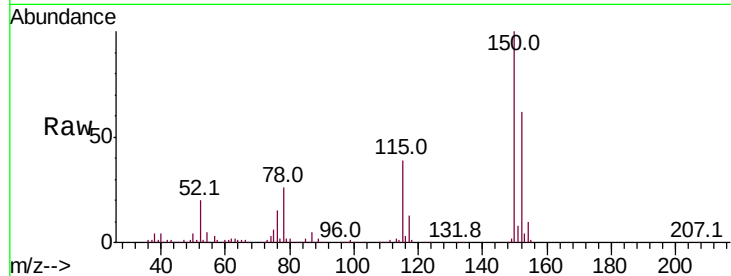


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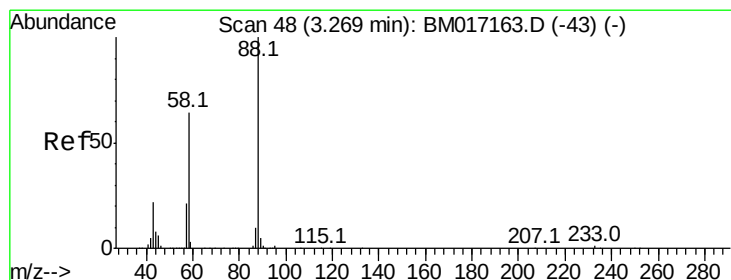
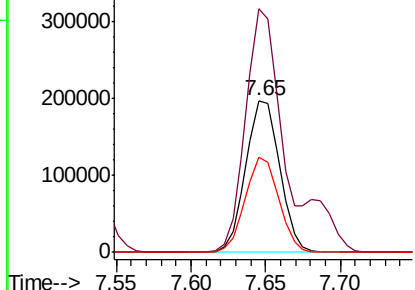
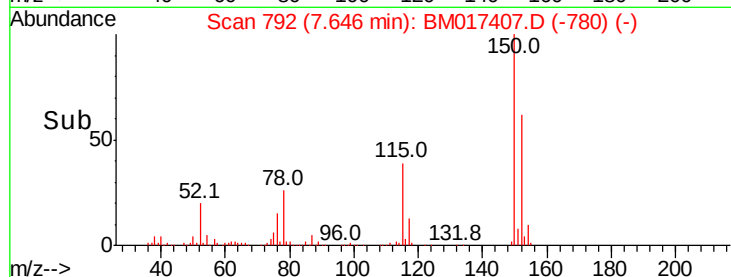
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.65 min Scan# 792  
Delta R.T. -0.03 min  
Lab File: BM017407.D  
Acq: 29 Oct 2018 14:28

Instrument :  
BNA\_M  
ClientSampleId :

Tot Ion:152 Resp: 311176  
Ion Ratio Lower Upper  
152 100  
150 160.3 124.3 186.5  
115 62.3 48.1 72.1



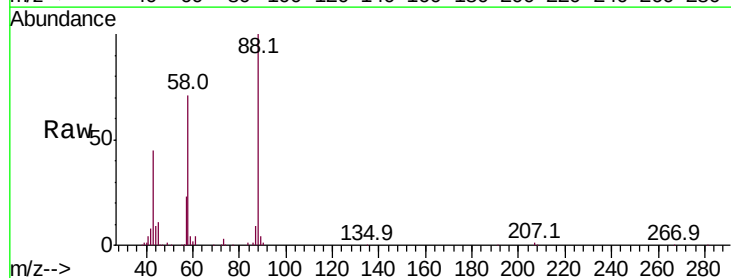
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



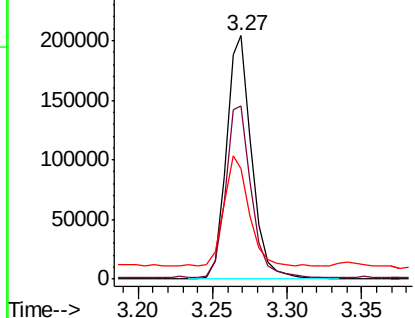
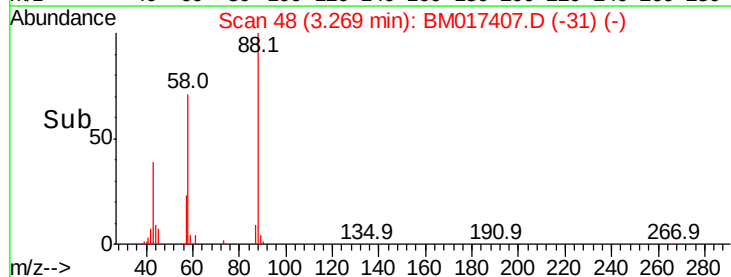
#2

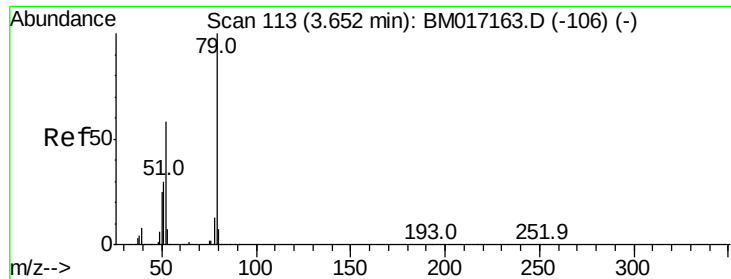
1,4-Dioxane  
Concen: 26.026 ng  
RT: 3.27 min Scan# 48  
Delta R.T. -0.00 min  
Lab File: BM017407.D  
Acq: 29 Oct 2018 14:28

Tgt Ion: 88 Resp: 244514  
Ion Ratio Lower Upper  
88 100  
58 71.3 50.2 75.4  
43 44.6 19.3 28.9#



Abundance Ion 88.00 (87.70 to 88.70): BM0  
Ion 58.00 (57.70 to 58.70): BM0  
Ion 43.00 (42.70 to 43.70): BM0





#3

Pvridine

Concen: 32.502 ng

RT: 3.65 min Scan# 113

Delta R.T. -0.00 min

Lab File: BM017407.D

Acq: 29 Oct 2018 14:28

Instrument :

BNA\_M

ClientSampleId :

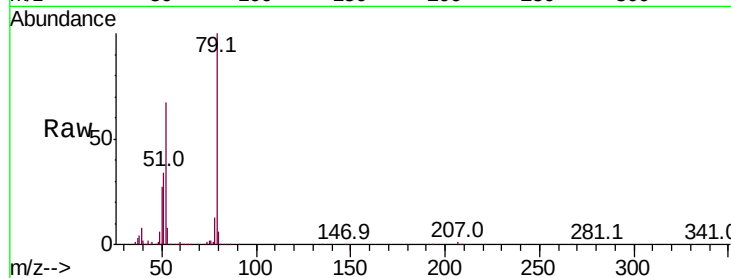
Tot Ion: 79 Resp: 702585

Ion Ratio Lower Upper

79 100

52 67.4 46.5 69.7

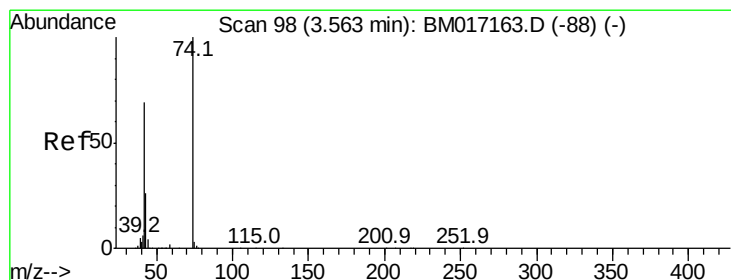
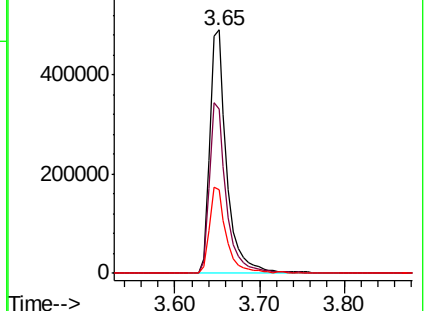
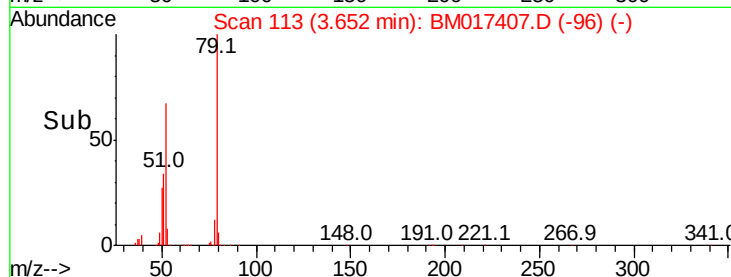
51 34.4 24.6 37.0



Abundance Ion 79.00 (78.70 to 79.70): BM017407.D (-96) (-)

Ion 52.00 (51.70 to 52.70): BM017407.D (-96) (-)

Ion 51.00 (50.70 to 51.70): BM017407.D (-96) (-)



#4

n-Nitrosodimethylamine

Concen: 42.289 ng

RT: 3.56 min Scan# 97

Delta R.T. -0.01 min

Lab File: BM017407.D

Acq: 29 Oct 2018 14:28

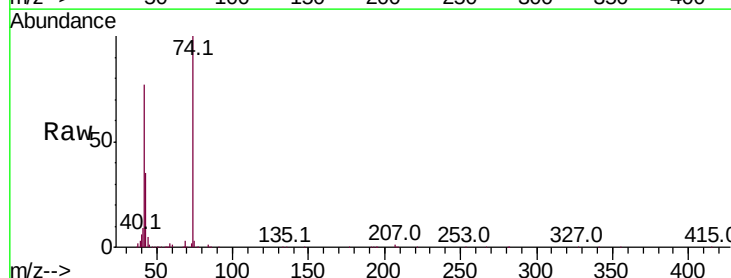
Tgt Ion: 42 Resp: 366981

Ion Ratio Lower Upper

42 100

74 130.7 114.4 171.6

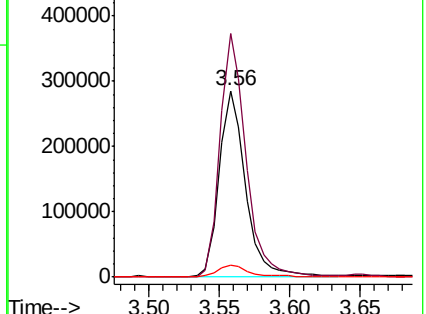
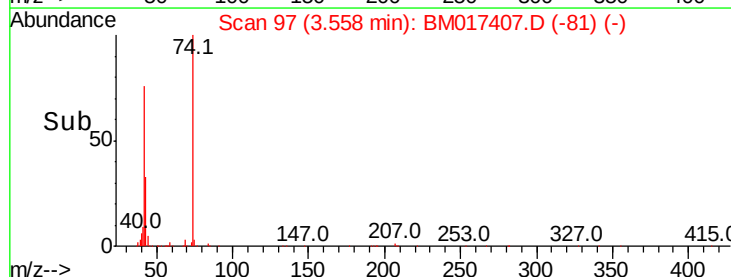
44 6.7 48.6 73.0#

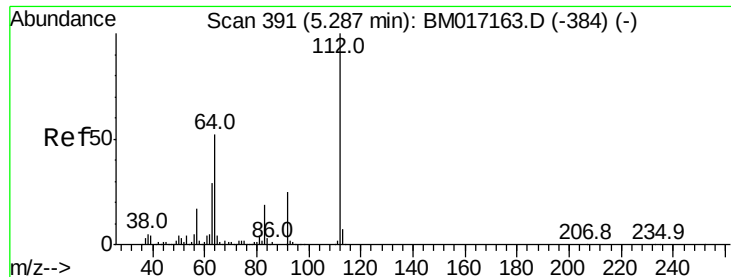


Abundance Ion 42.00 (41.70 to 42.70): BM017407.D (-81) (-)

Ion 74.00 (73.70 to 74.70): BM017407.D (-81) (-)

Ion 44.00 (43.70 to 44.70): BM017407.D (-81) (-)





#5

2-Fluorophenol

Concen: 109.364 ng

RT: 5.27 min Scan# 388

Delta R.T. -0.02 min

Lab File: BM017407.D

Acq: 29 Oct 2018 14:28

Instrument :

BNA\_M

ClientSampleId :

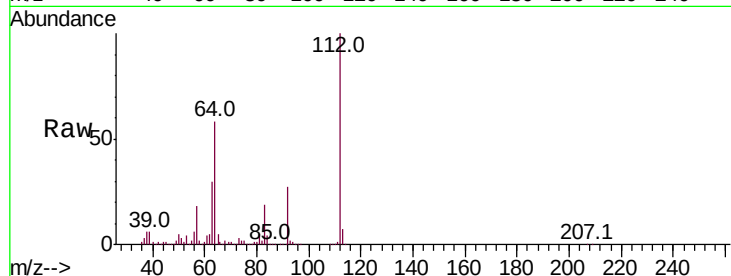
Tot Ion:112 Resp: 2012113

Ion Ratio Lower Upper

112 100

64 58.0 41.7 62.5

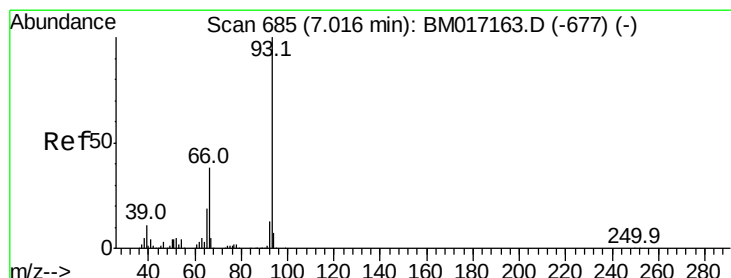
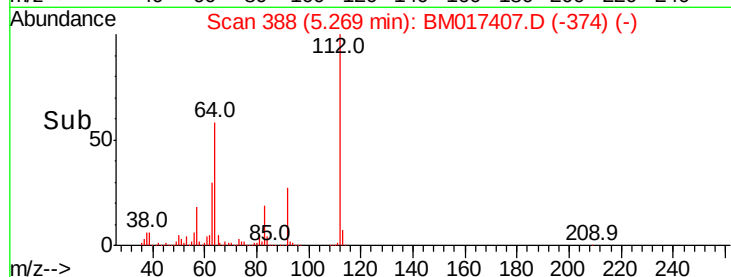
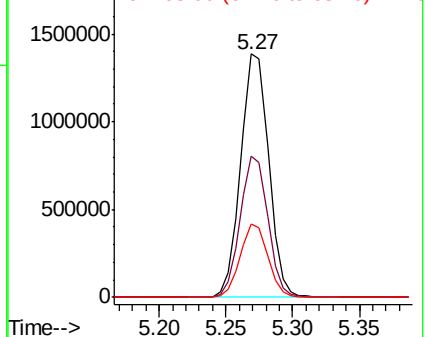
63 30.3 23.0 34.4



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0



#6

Aniline

Concen: 14.631 ng

RT: 6.99 min Scan# 681

Delta R.T. -0.02 min

Lab File: BM017407.D

Acq: 29 Oct 2018 14:28

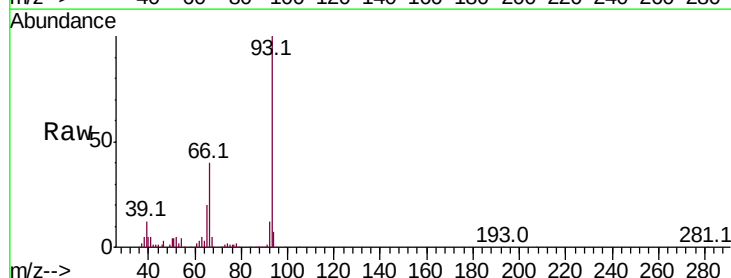
Tgt Ion: 93 Resp: 458552

Ion Ratio Lower Upper

93 100

66 40.3 30.4 45.6

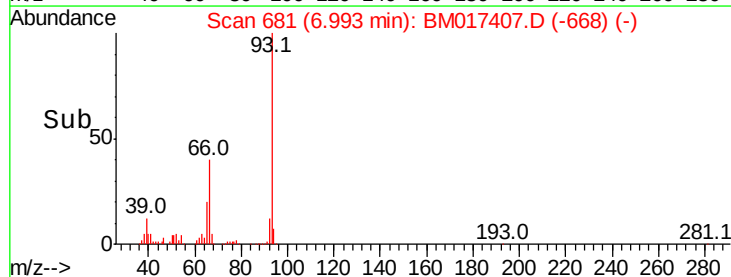
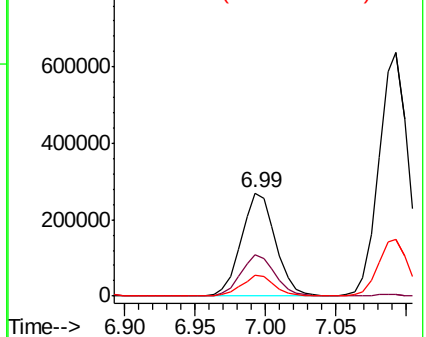
65 19.7 15.3 22.9

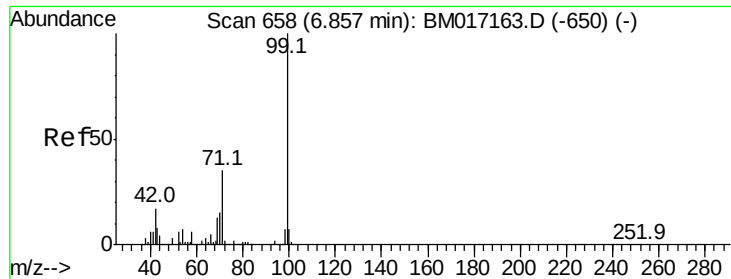


Abundance Ion 93.00 (92.70 to 93.70): BM0

Ion 66.00 (65.70 to 66.70): BM0

Ion 65.00 (64.70 to 65.70): BM0





#7

Phenol-d6

Concen: 100.638 ng

RT: 6.84 min Scan# 655

Delta R.T. -0.02 min

Lab File: BM017407.D

Acq: 29 Oct 2018 14:28

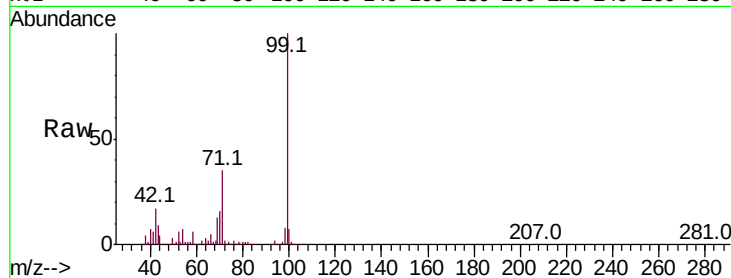
Instrument :

BNA\_M

ClientSampleId :

Tot Ion: 99 Resp: 2521730

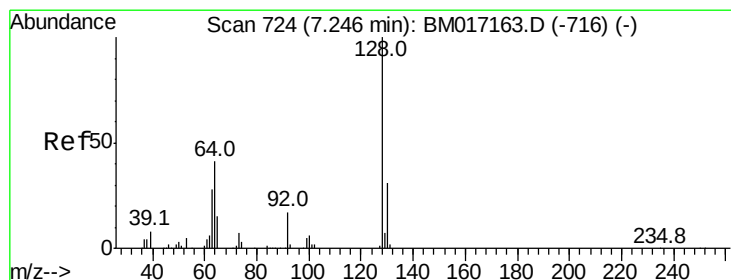
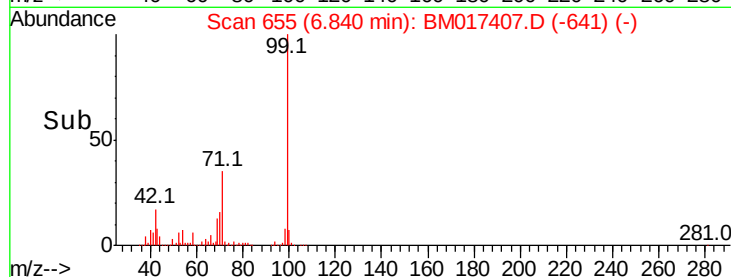
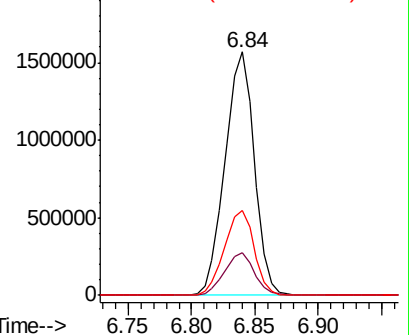
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 17.4  | 13.3  | 19.9  |
| 71  | 35.1  | 28.0  | 42.0  |



Abundance Ion 99.00 (98.70 to 99.70): BM0

Ion 42.00 (41.70 to 42.70): BM0

Ion 71.00 (70.70 to 71.70): BM0



#8

2-Chlorophenol

Concen: 48.515 ng

RT: 7.22 min Scan# 720

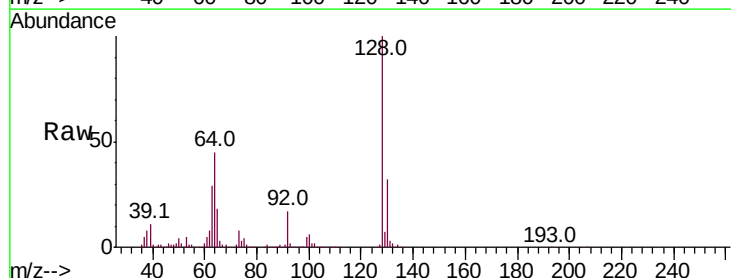
Delta R.T. -0.02 min

Lab File: BM017407.D

Acq: 29 Oct 2018 14:28

Tgt Ion:128 Resp: 1032621

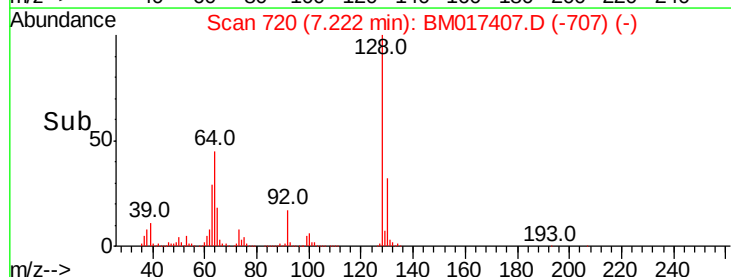
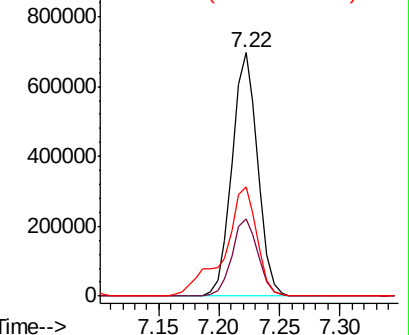
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 130 | 31.8  | 11.0  | 51.0  |
| 64  | 44.9  | 24.1  | 64.1  |



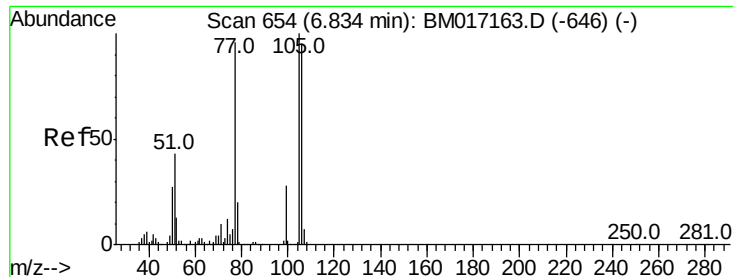
Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BM0







#9

Benzaldehyde

Concen: 24.211 ng

RT: 6.80 min Scan# 649

Delta R.T. -0.03 min

Lab File: BM017407.D

Acq: 29 Oct 2018 14:28

Instrument :

BNA\_M

ClientSampleId :

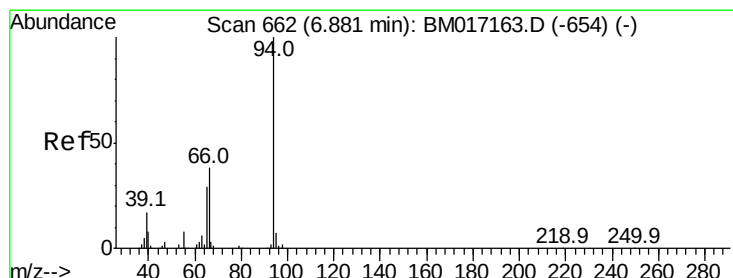
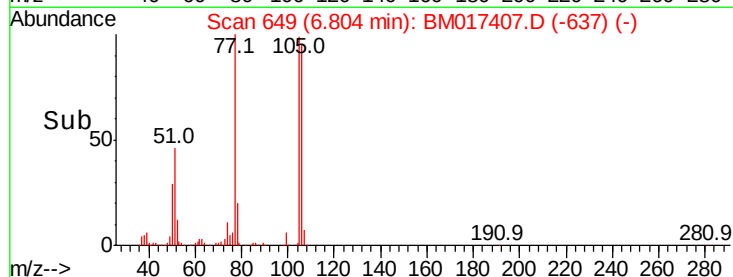
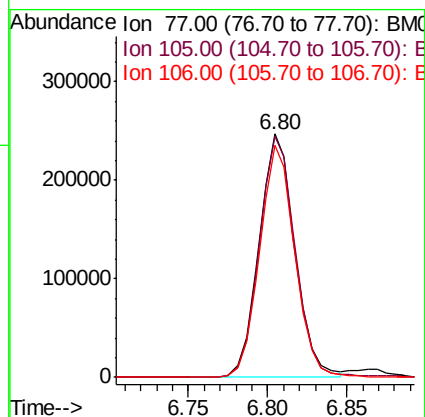
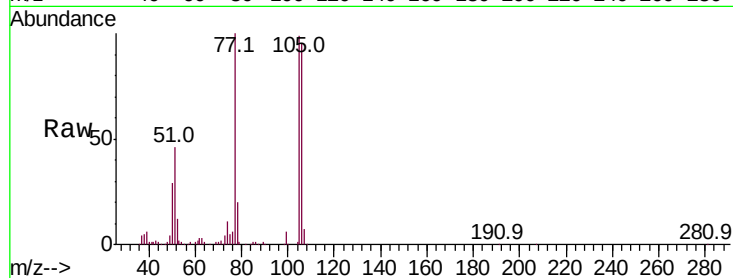
Tot Ion: 77 Resp: 386818

Ion Ratio Lower Upper

77 100

105 98.9 83.9 123.9

106 95.2 78.2 118.2



#10

Phenol

Concen: 39.855 ng

RT: 6.86 min Scan# 659

Delta R.T. -0.02 min

Lab File: BM017407.D

Acq: 29 Oct 2018 14:28

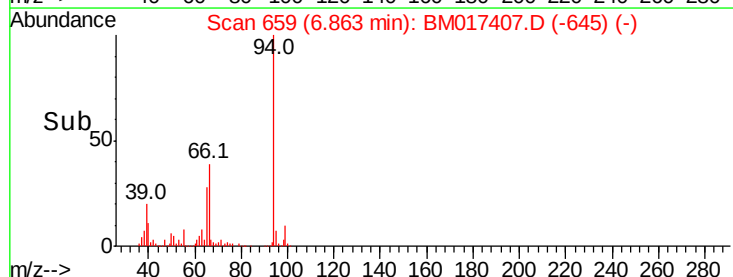
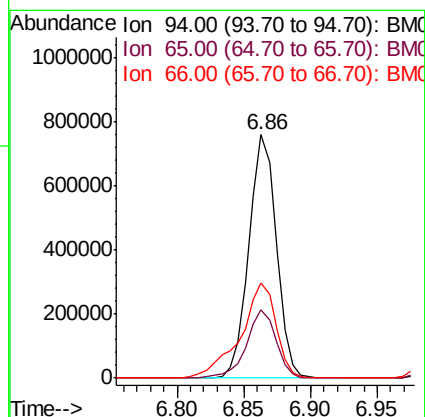
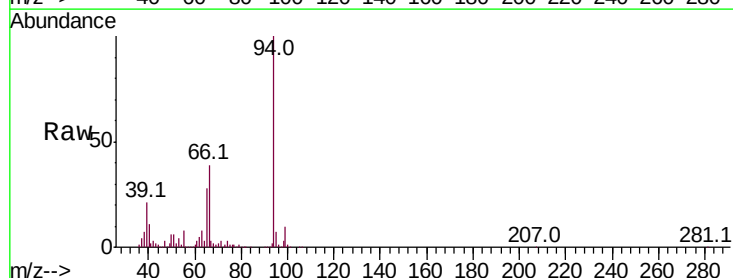
Tgt Ion: 94 Resp: 1074798

Ion Ratio Lower Upper

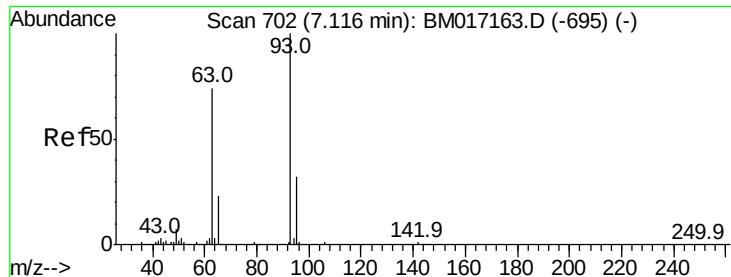
94 100

65 27.9 9.4 49.4

66 39.2 19.0 59.0



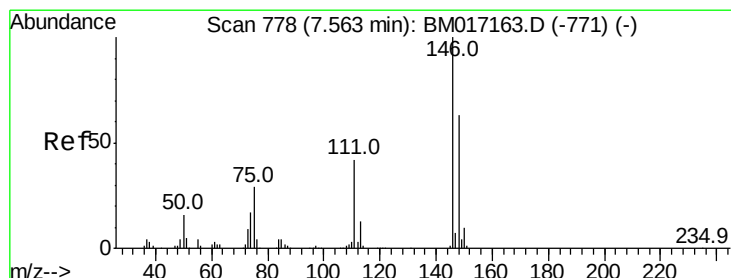
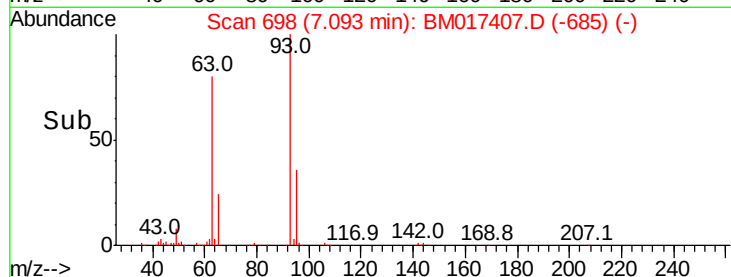
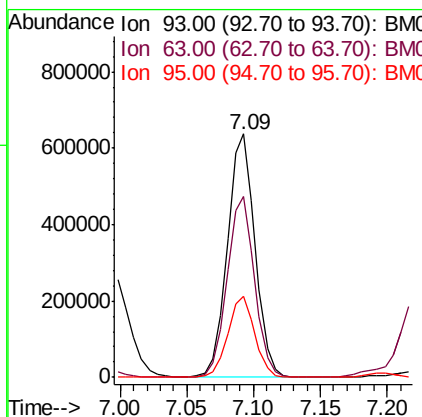
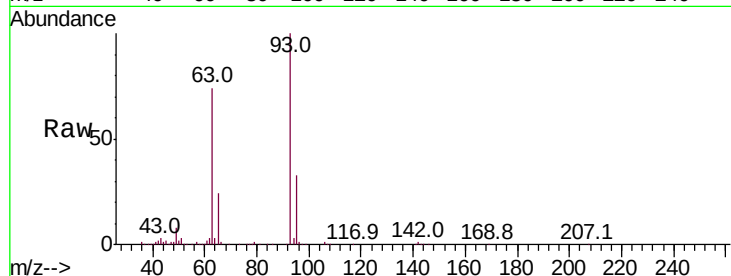




#11  
bis(2-Chloroethyl)ether  
Concen: 42.542 ng  
RT: 7.09 min Scan# 698  
Delta R.T. -0.02 min  
Lab File: BM017407.D  
Acq: 29 Oct 2018 14:28

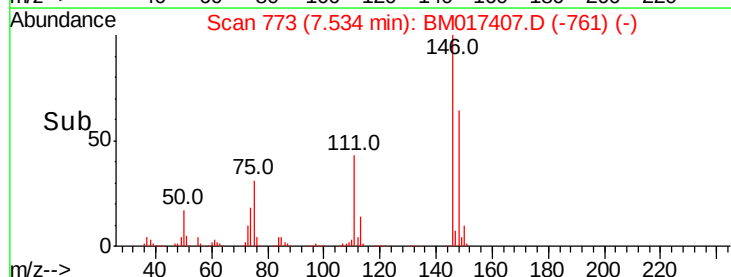
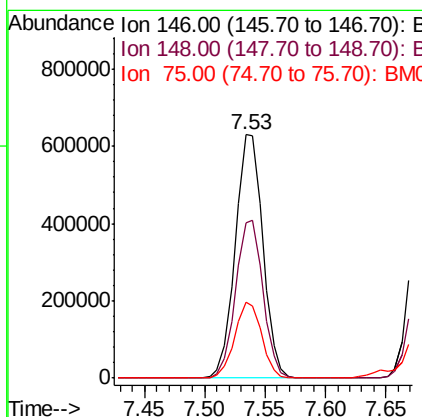
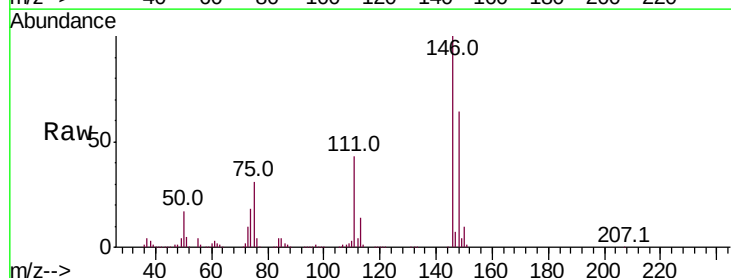
Instrument :  
BNA\_M  
ClientSampleId :

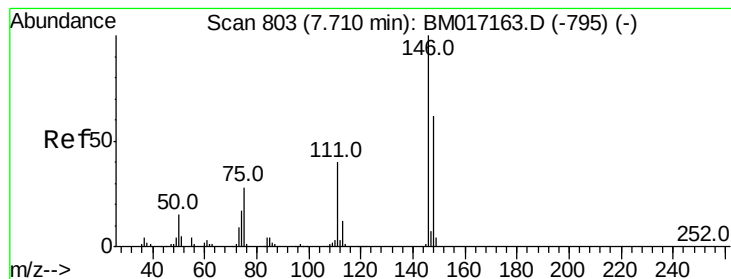
Tot Ion: 93 Resp: 914562  
Ion Ratio Lower Upper  
93 100  
63 74.2 54.0 94.0  
95 33.3 11.8 51.8



#12  
1,3-Dichlorobenzene  
Concen: 40.532 ng  
RT: 7.53 min Scan# 773  
Delta R.T. -0.03 min  
Lab File: BM017407.D  
Acq: 29 Oct 2018 14:28

Tgt Ion: 146 Resp: 1005668  
Ion Ratio Lower Upper  
146 100  
148 64.0 50.2 75.4  
75 31.0 23.3 34.9





#13

1,4-Dichlorobenzene

Concen: 40.878 ng

RT: 7.68 min Scan# 798

Delta R.T. -0.03 min

Lab File: BM017407.D

Acq: 29 Oct 2018 14:28

Instrument :

BNA\_M

ClientSampleId :

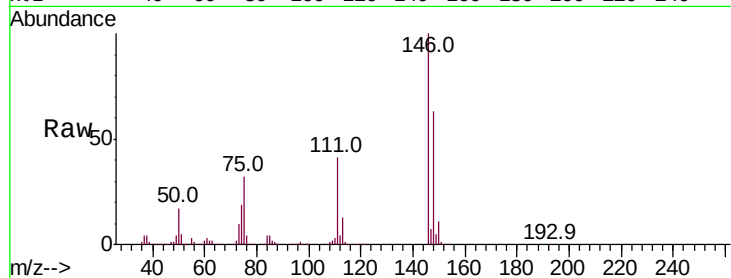
Tot Ion:146 Resp: 1036259

Ion Ratio Lower Upper

146 100

148 62.7 49.8 74.6

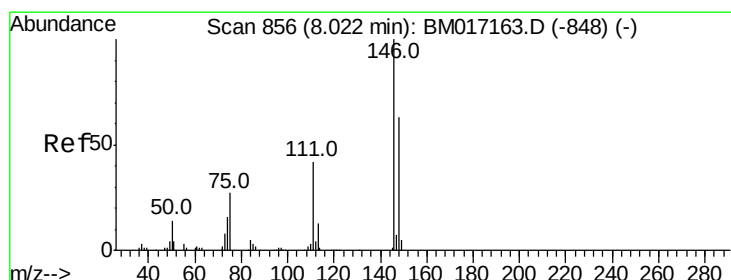
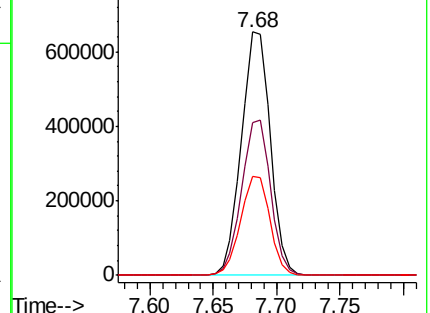
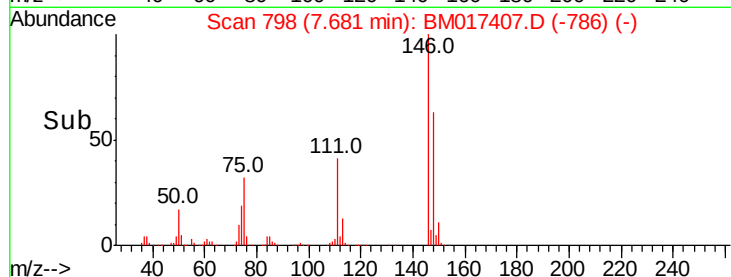
111 40.9 32.1 48.1



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 41.135 ng

RT: 7.99 min Scan# 851

Delta R.T. -0.03 min

Lab File: BM017407.D

Acq: 29 Oct 2018 14:28

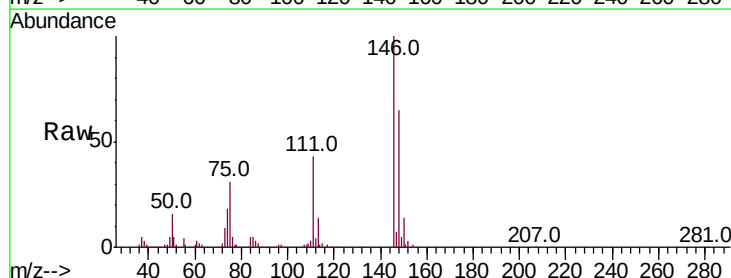
Tgt Ion:146 Resp: 1004688

Ion Ratio Lower Upper

146 100

148 64.5 50.8 76.2

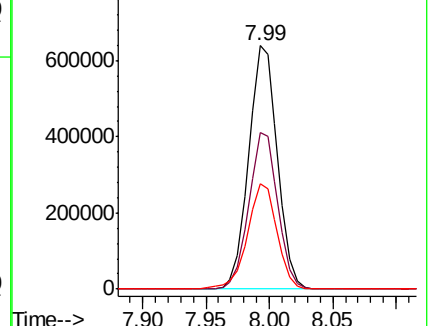
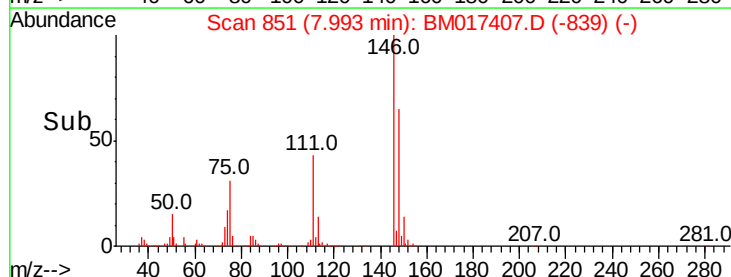
111 43.2 33.8 50.6

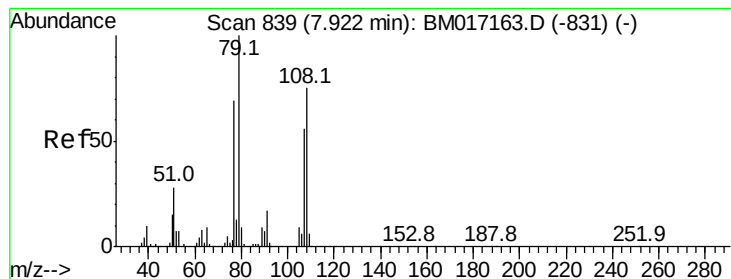


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 50.904 ng

RT: 7.90 min Scan# 835

Delta R.T. -0.02 min

Lab File: BM017407.D

Acq: 29 Oct 2018 14:28

Instrument :

BNA\_M

ClientSampleId :

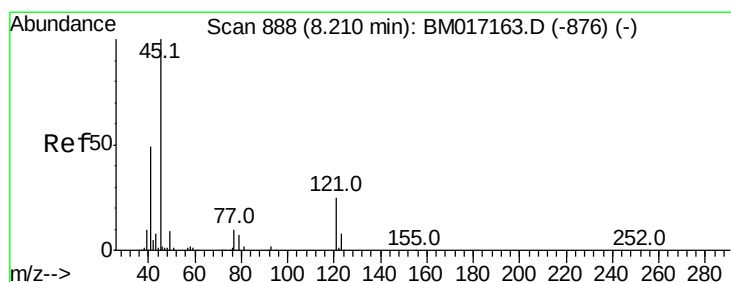
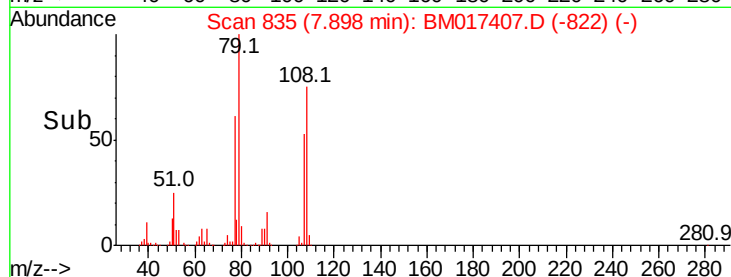
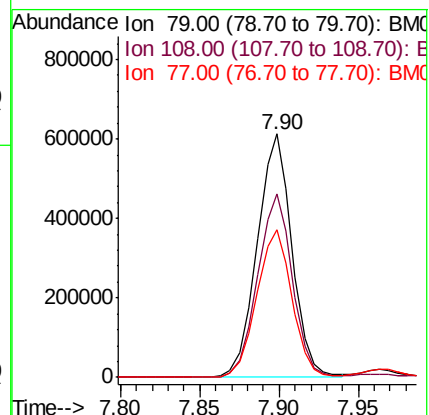
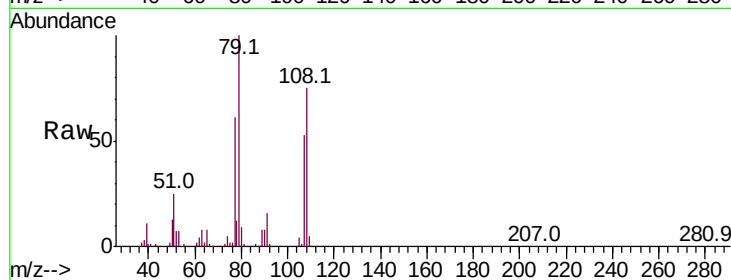
Tot Ion: 79 Resp: 932343

Ion Ratio Lower Upper

79 100

108 75.1 60.3 90.5

77 60.8 54.8 82.2



#16

2,2'-oxybis(1-chloropropane)

Concen: 40.514 ng

RT: 8.18 min Scan# 883

Delta R.T. -0.03 min

Lab File: BM017407.D

Acq: 29 Oct 2018 14:28

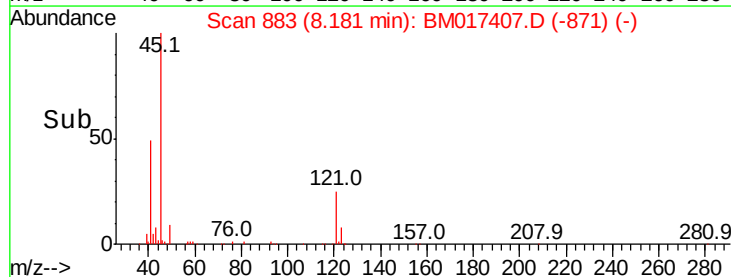
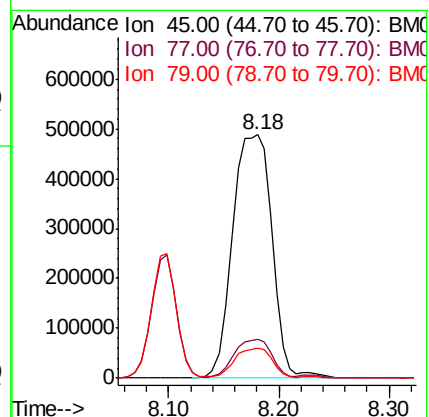
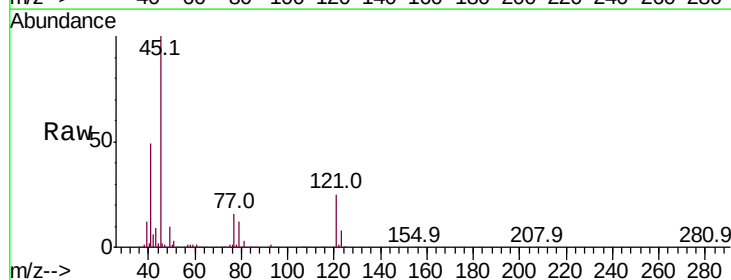
Tgt Ion: 45 Resp: 1216802

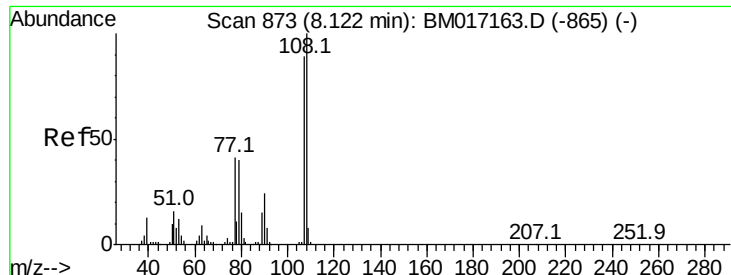
Ion Ratio Lower Upper

45 100

77 15.8 0.0 35.5

79 12.3 0.0 32.1

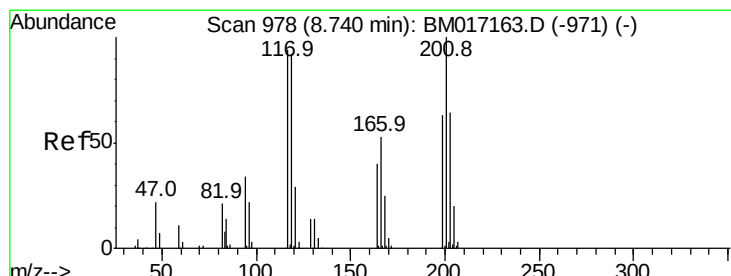
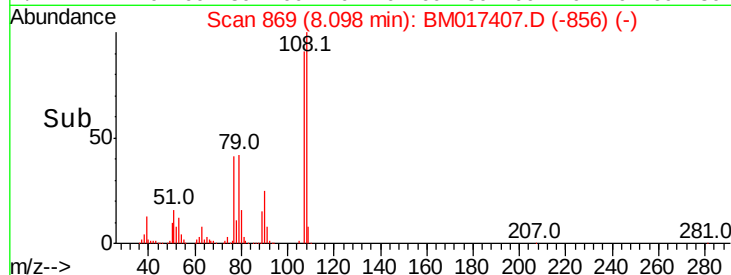
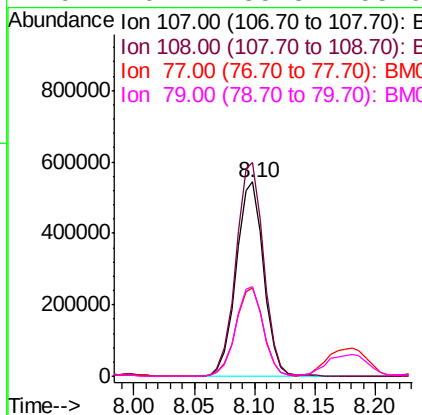
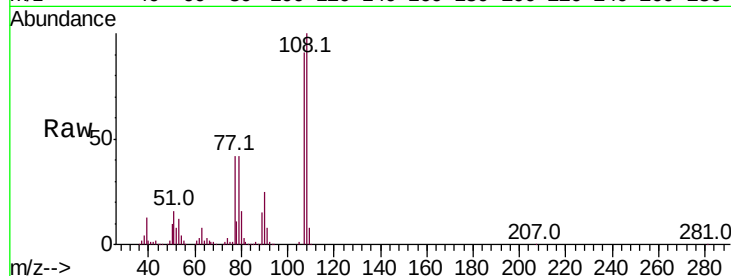




#17  
2-Methylphenol  
Concen: 49.876 ng  
RT: 8.10 min Scan# 869  
Delta R.T. -0.02 min  
Lab File: BM017407.D  
Acq: 29 Oct 2018 14:28

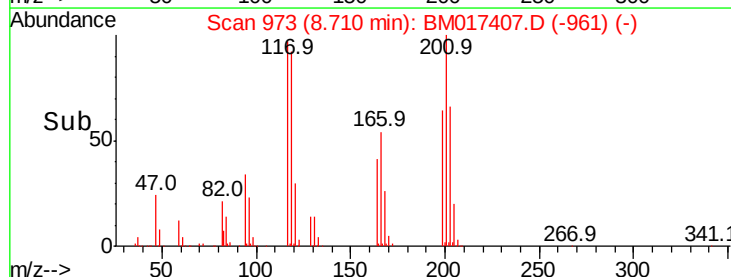
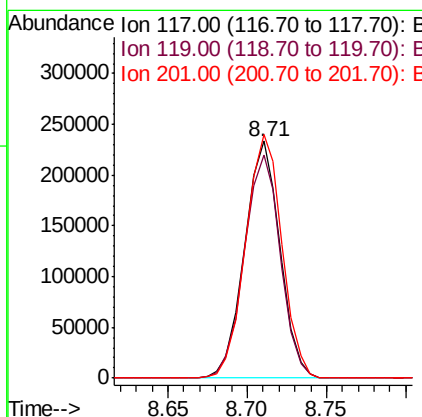
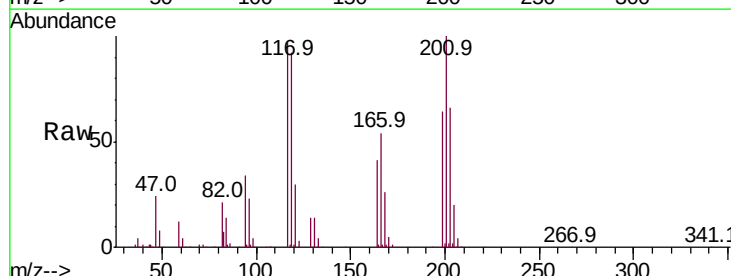
Instrument :  
BNA\_M  
ClientSampleId :

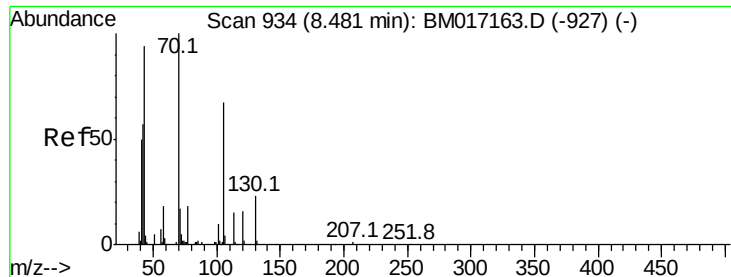
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 107   | Resp: | 863340 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 110.1 | 90.3  | 135.5  |
| 77       | 45.8  | 37.0  | 55.4   |
| 79       | 46.2  | 35.8  | 53.6   |



#18  
Hexachloroethane  
Concen: 41.709 ng  
RT: 8.71 min Scan# 973  
Delta R.T. -0.03 min  
Lab File: BM017407.D  
Acq: 29 Oct 2018 14:28

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 361843 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 94.3  | 78.2  | 117.2  |
| 201      | 102.7 | 85.3  | 127.9  |

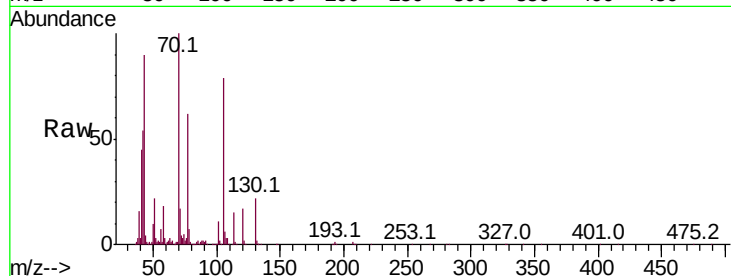




#19  
n-Nitroso-di-n-propylamine  
Concen: 47.170 ng  
RT: 8.46 min Scan# 930  
Delta R.T. -0.02 min  
Lab File: BM017407.D  
Acq: 29 Oct 2018 14:28

Instrument :  
BNA\_M  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 70    | Resp: | 778276 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 54.1  | 46.1  | 69.1   |
| 101      | 10.6  | 8.2   | 12.4   |
| 130      | 22.2  | 18.4  | 27.6   |

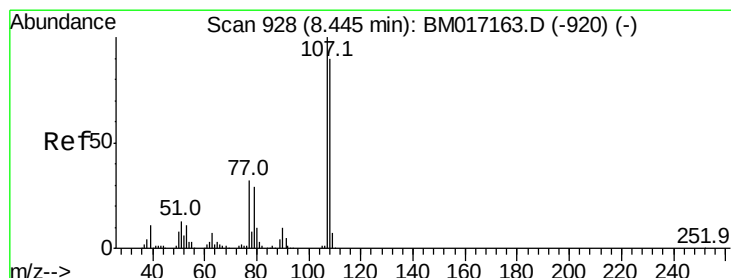
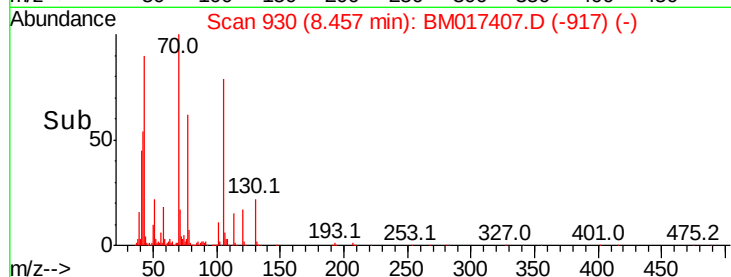
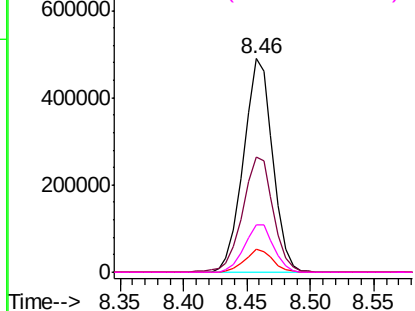


Abundance Ion 70.00 (69.70 to 70.70): BM017407.D (-917) (-)

Ion 42.00 (41.70 to 42.70): BM017407.D (-917) (-)

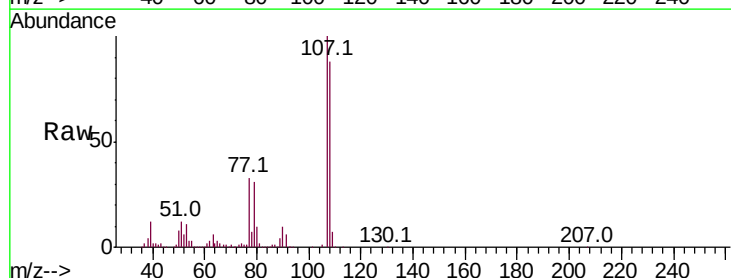
Ion 101.00 (100.70 to 101.70): BM017407.D (-917) (-)

Ion 130.00 (129.70 to 130.70): BM017407.D (-917) (-)



#20  
3+4-Methylphenols  
Concen: 49.104 ng  
RT: 8.43 min Scan# 925  
Delta R.T. -0.02 min  
Lab File: BM017407.D  
Acq: 29 Oct 2018 14:28

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 107   | Resp: | 1162518 |
| Ion      | Ratio | Lower | Upper   |
| 107      | 100   |       |         |
| 108      | 88.5  | 69.9  | 109.9   |
| 77       | 32.7  | 12.2  | 52.2    |
| 79       | 31.1  | 9.0   | 49.0    |

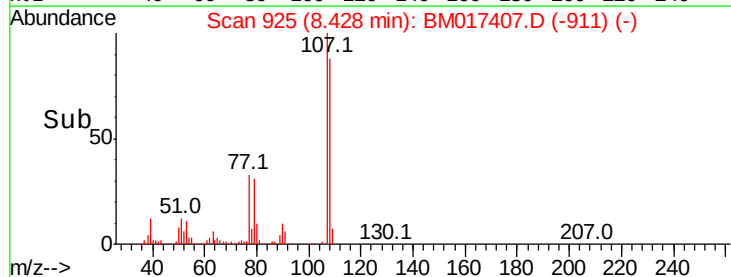
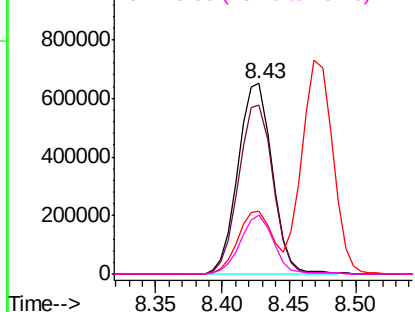


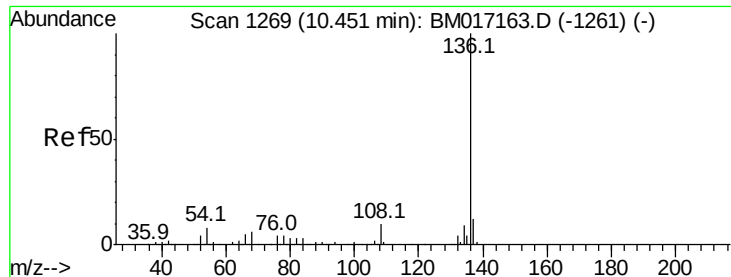
Abundance Ion 107.00 (106.70 to 107.70): BM017407.D (-911) (-)

Ion 108.00 (107.70 to 108.70): BM017407.D (-911) (-)

Ion 77.00 (76.70 to 77.70): BM017407.D (-911) (-)

Ion 79.00 (78.70 to 79.70): BM017407.D (-911) (-)





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.42 min Scan# 1264

Delta R.T. -0.03 min

Lab File: BM017407.D

Acq: 29 Oct 2018 14:28

Instrument :

BNA\_M

ClientSampleId :

Tot Ion:136 Resp: 1363322

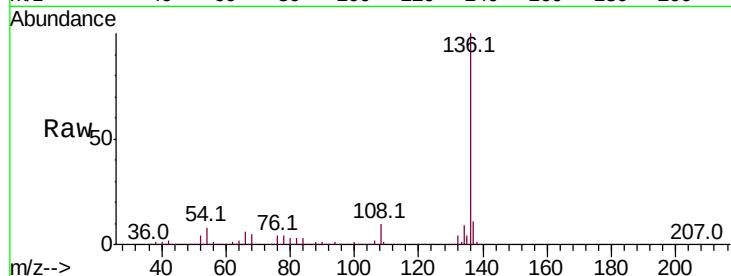
Ion Ratio Lower Upper

136 100

137 11.1 9.2 13.8

54 7.7 6.7 10.1

68 5.4 4.7 7.1

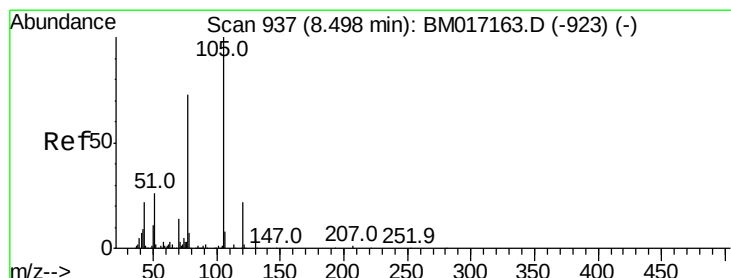
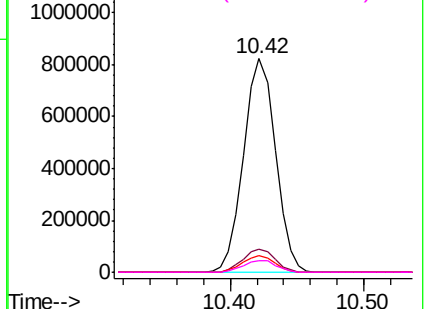
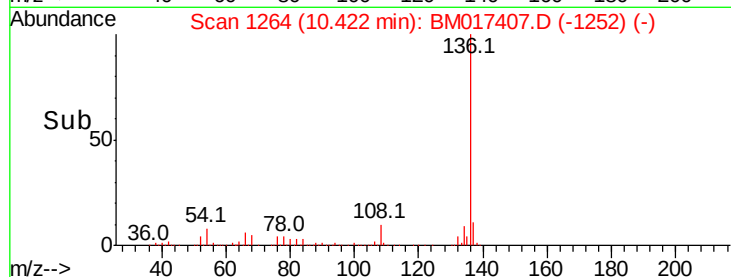


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM

Ion 68.00 (67.70 to 68.70): BM



#22

Acetophenone

Concen: 44.676 ng

RT: 8.47 min Scan# 932

Delta R.T. -0.03 min

Lab File: BM017407.D

Acq: 29 Oct 2018 14:28

Tgt Ion:105 Resp: 1543951

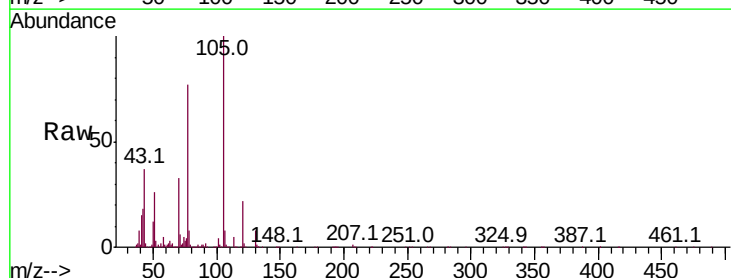
Ion Ratio Lower Upper

105 100

71 5.5 2.0 3.0#

51 26.0 20.6 31.0

120 21.8 17.5 26.3

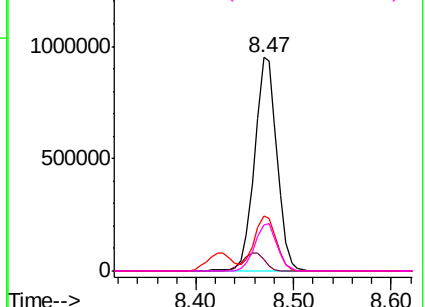
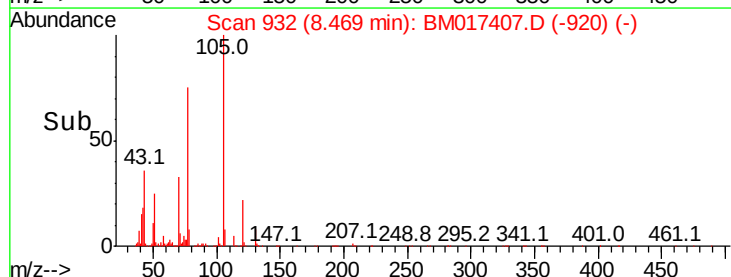


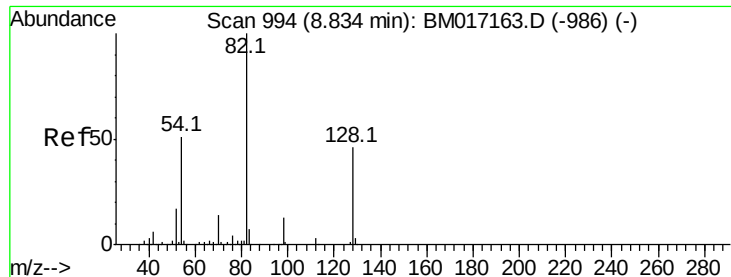
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BM

Ion 51.00 (50.70 to 51.70): BM

Ion 120.00 (119.70 to 120.70): E

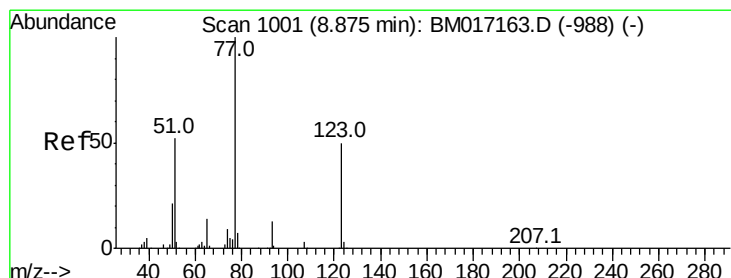
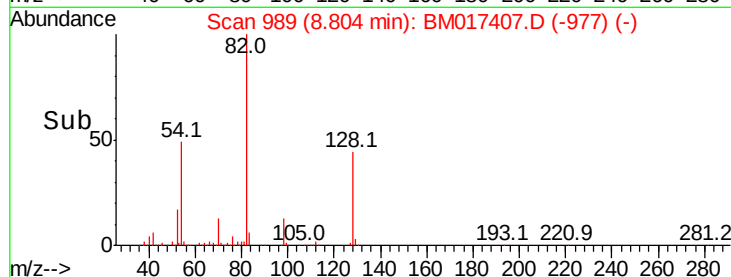
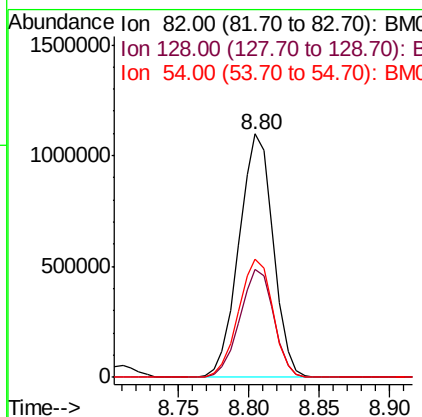
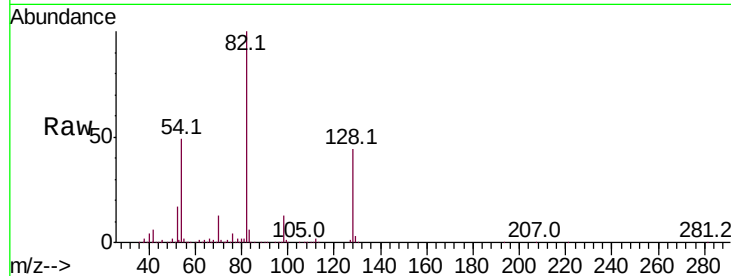




#23  
Nitrobenzene-d5  
Concen: 79.934 ng  
RT: 8.80 min Scan# 989  
Delta R.T. -0.03 min  
Lab File: BM017407.D  
Acq: 29 Oct 2018 14:28

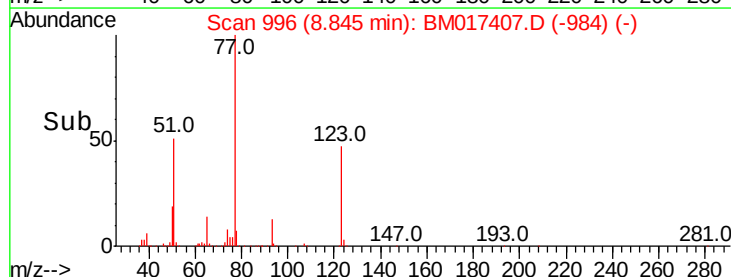
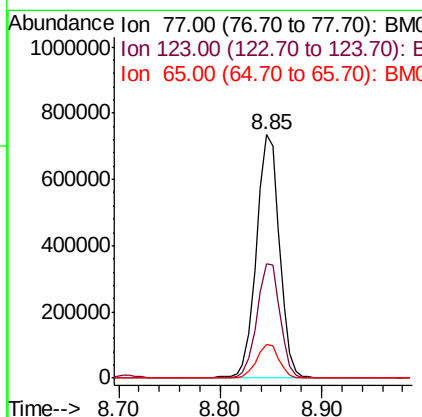
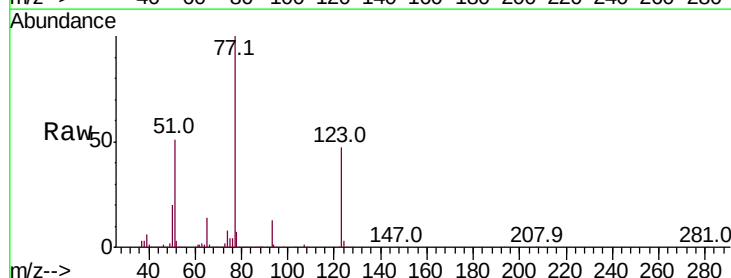
Instrument :  
BNA\_M  
ClientSampled :

Tot Ion: 82 Resp: 1863285  
Ion Ratio Lower Upper  
82 100  
128 44.1 37.0 55.6  
54 48.8 40.7 61.1

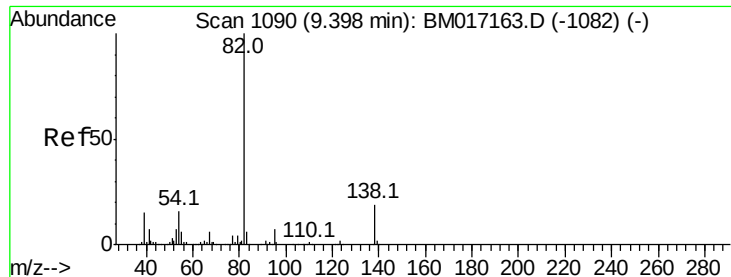


#24  
Nitrobenzene  
Concen: 47.354 ng  
RT: 8.85 min Scan# 996  
Delta R.T. -0.03 min  
Lab File: BM017407.D  
Acq: 29 Oct 2018 14:28

Tgt Ion: 77 Resp: 1167609  
Ion Ratio Lower Upper  
77 100  
123 46.8 40.2 60.4  
65 13.7 11.4 17.0







#25

Isophorone

Concen: 56.107 ng

RT: 9.37 min Scan# 1085

Delta R.T. -0.03 min

Lab File: BM017407.D

Acq: 29 Oct 2018 14:28

Instrument :

BNA\_M

ClientSampleId :

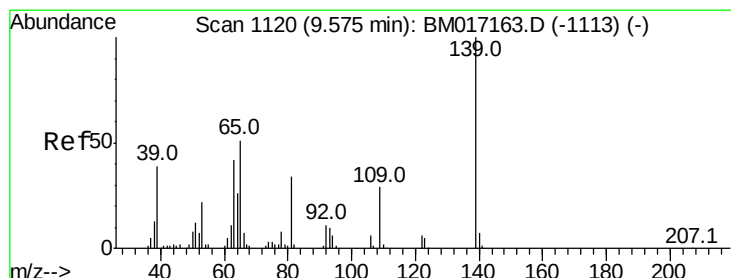
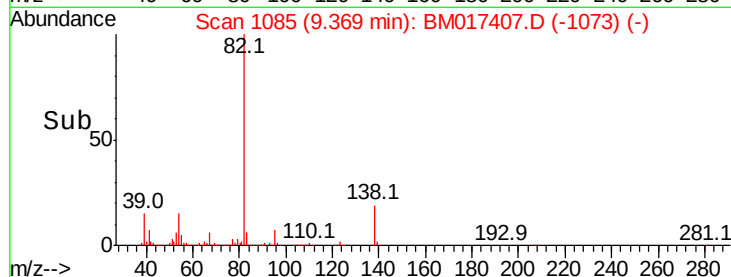
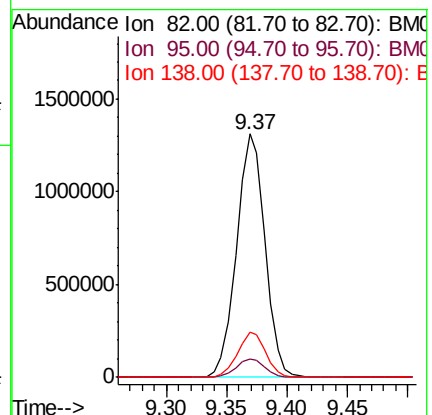
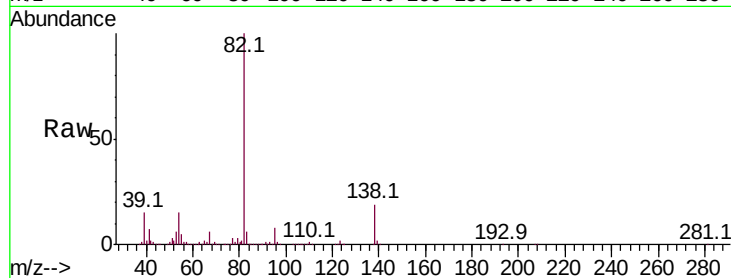
Tot Ion: 82 Resp: 2159684

Ion Ratio Lower Upper

82 100

95 7.6 6.0 9.0

138 18.8 15.4 23.2



#26

2-Nitrophenol

Concen: 50.231 ng

RT: 9.55 min Scan# 1116

Delta R.T. -0.02 min

Lab File: BM017407.D

Acq: 29 Oct 2018 14:28

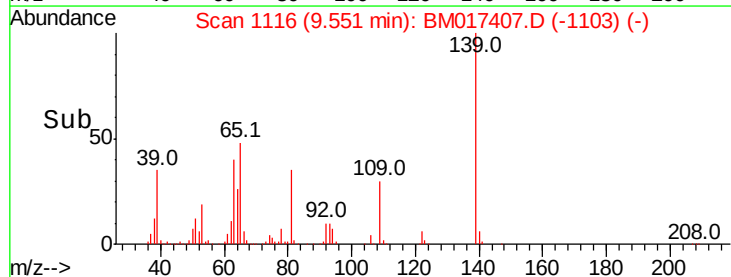
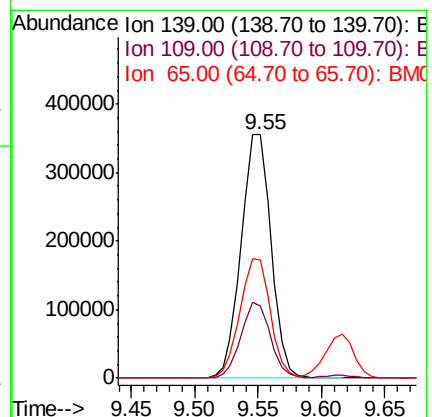
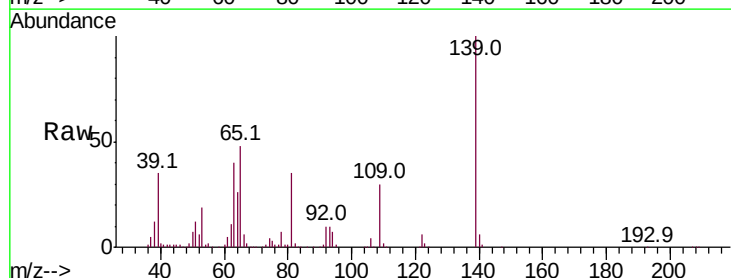
Tgt Ion: 139 Resp: 583123

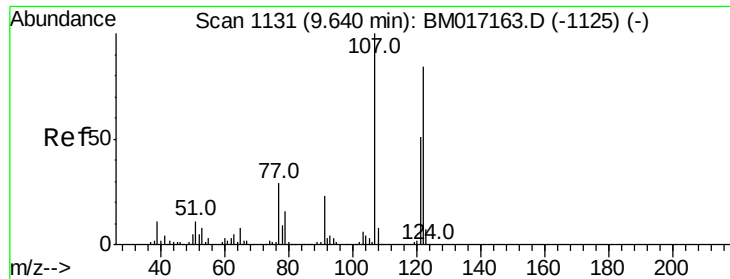
Ion Ratio Lower Upper

139 100

109 29.7 23.2 34.8

65 48.4 40.6 61.0

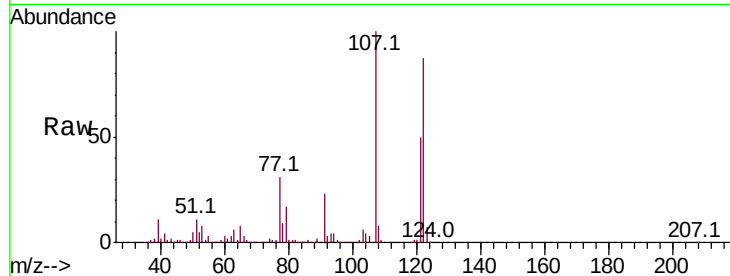




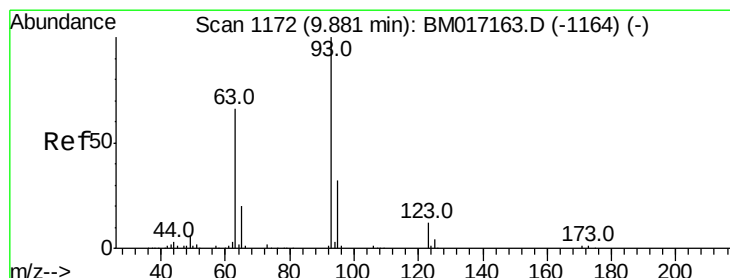
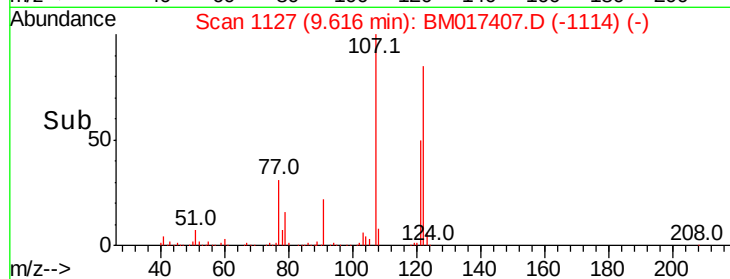
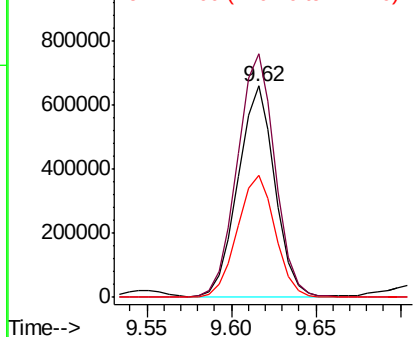
#27  
2,4-Dimethylphenol  
Concen: 58.699 ng  
RT: 9.62 min Scan# 1127  
Delta R.T. -0.02 min  
Lab File: BM017407.D  
Acq: 29 Oct 2018 14:28

Instrument :  
BNA\_M  
ClientSampled :

Tot Ion:122 Resp: 999090  
Ion Ratio Lower Upper  
122 100  
107 115.2 95.0 142.6  
121 58.0 48.2 72.4

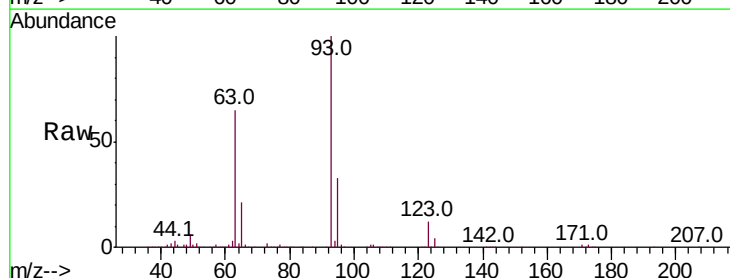


Abundance Ion 122.00 (121.70 to 122.70): E  
Ion 107.00 (106.70 to 107.70): E  
Ion 121.00 (120.70 to 121.70): E

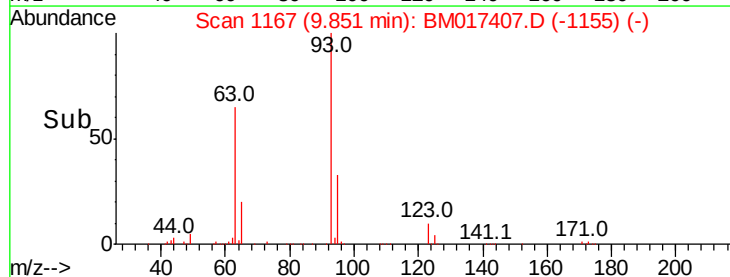
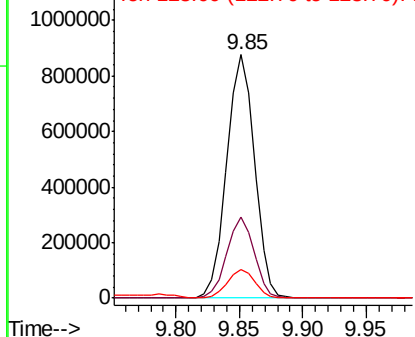


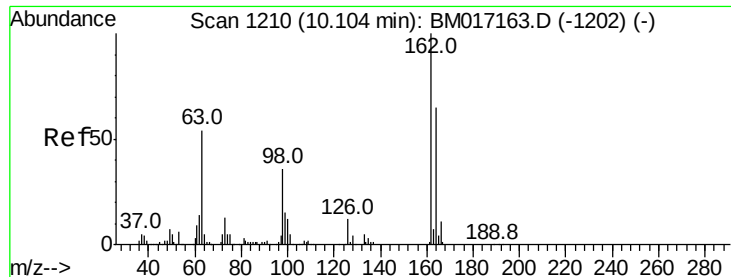
#28  
bis(2-Chloroethoxy)methane  
Concen: 49.129 ng  
RT: 9.85 min Scan# 1167  
Delta R.T. -0.03 min  
Lab File: BM017407.D  
Acq: 29 Oct 2018 14:28

Tgt Ion: 93 Resp: 1331031  
Ion Ratio Lower Upper  
93 100  
95 33.2 25.7 38.5  
123 11.6 9.4 14.0



Abundance Ion 93.00 (92.70 to 93.70): BM0  
Ion 95.00 (94.70 to 95.70): BM0  
Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 52.795 ng

RT: 10.08 min Scan# 1206

Delta R.T. -0.02 min

Lab File: BM017407.D

Acq: 29 Oct 2018 14:28

Instrument :

BNA\_M

ClientSampleId :

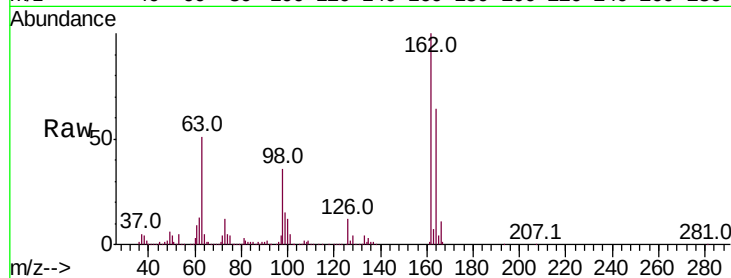
Tot Ion:162 Resp: 1043326

Ion Ratio Lower Upper

162 100

164 63.6 44.9 84.9

98 36.1 15.8 55.8

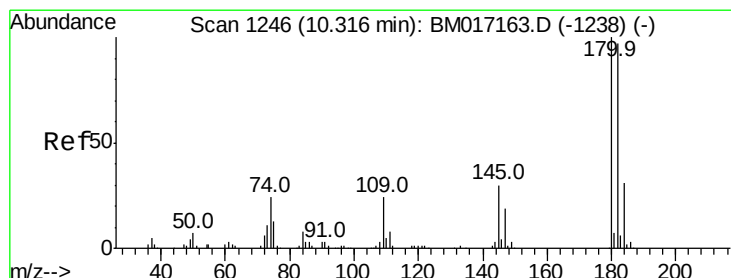
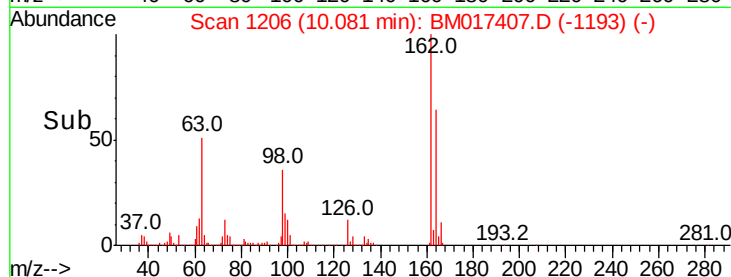
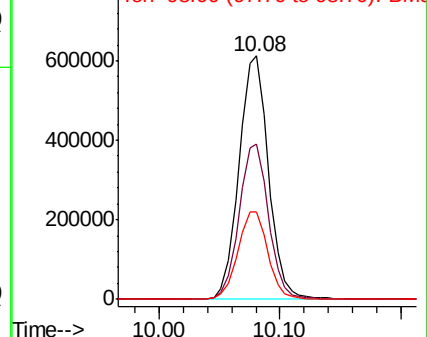


Abundance

Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BM



#30

1,2,4-Trichlorobenzene

Concen: 43.196 ng

RT: 10.29 min Scan# 1241

Delta R.T. -0.03 min

Lab File: BM017407.D

Acq: 29 Oct 2018 14:28

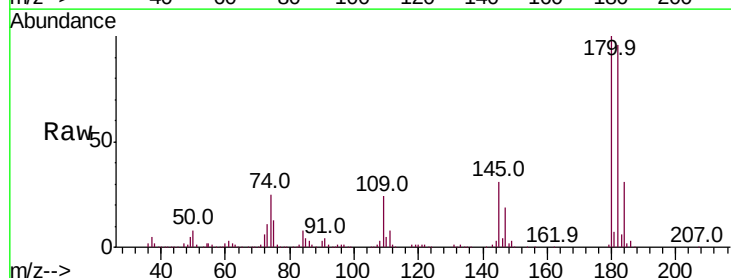
Tgt Ion:180 Resp: 1024038

Ion Ratio Lower Upper

180 100

182 96.0 77.5 116.3

145 31.2 24.0 36.0

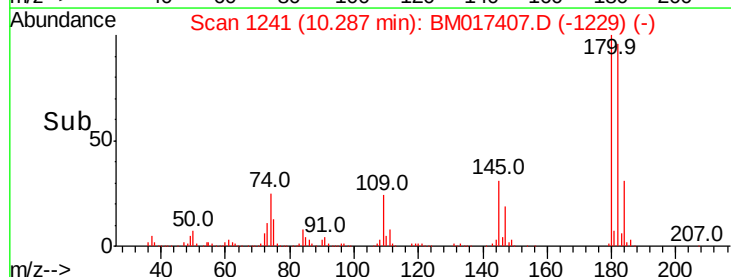
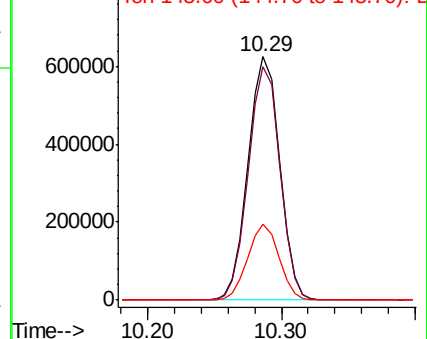


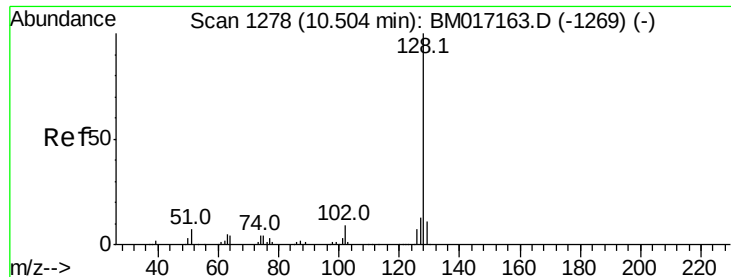
Abundance

Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

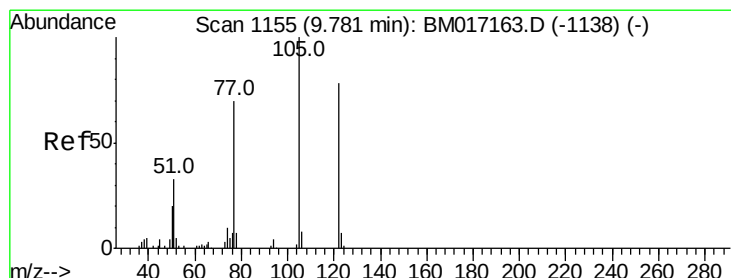
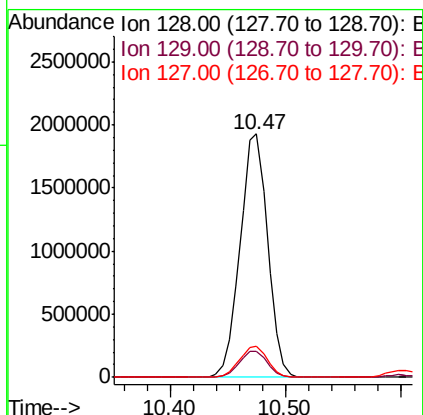
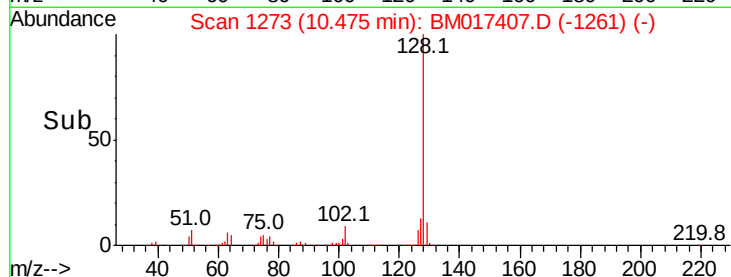
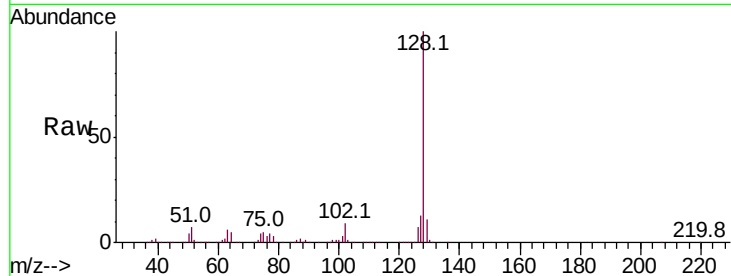




#31  
Naphthalene  
Concen: 47.850 ng  
RT: 10.47 min Scan# 1273  
Delta R.T. -0.03 min  
Lab File: BM017407.D  
Acq: 29 Oct 2018 14:28

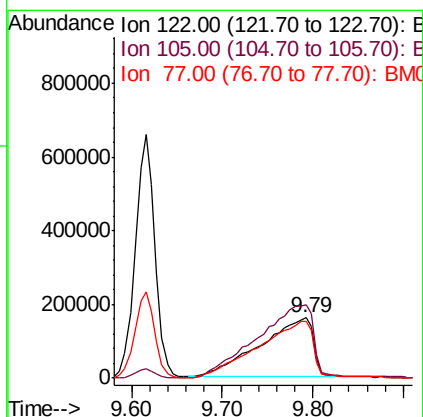
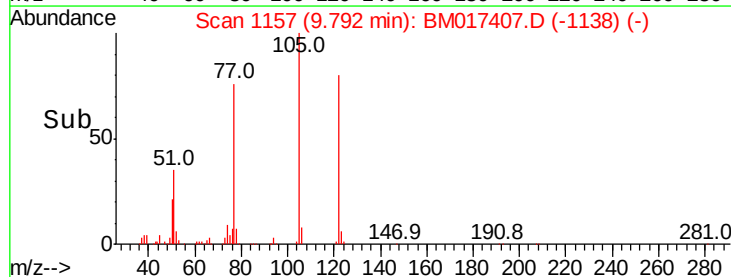
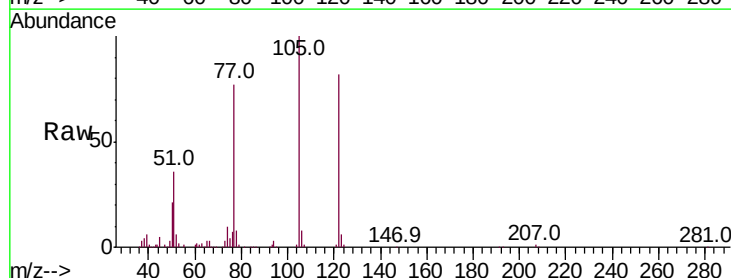
Instrument :  
BNA\_M  
ClientSampleId :

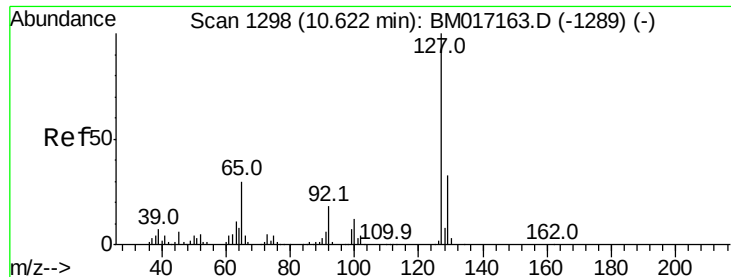
Tot Ion:128 Resp: 3196905  
Ion Ratio Lower Upper  
128 100  
129 10.6 8.5 12.7  
127 13.0 10.3 15.5



#32  
Benzoic acid  
Concen: 51.405 ng  
RT: 9.79 min Scan# 1157  
Delta R.T. 0.01 min  
Lab File: BM017407.D  
Acq: 29 Oct 2018 14:28

Tgt Ion:122 Resp: 652828  
Ion Ratio Lower Upper  
122 100  
105 122.6 102.0 142.0  
77 94.4 67.7 107.7

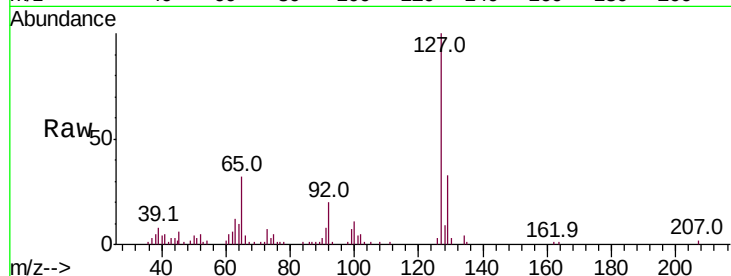




#33  
4-Chloroaniline  
Concen: 4.059 ng  
RT: 10.60 min Scan# 1294  
Delta R.T. -0.02 min  
Lab File: BM017407.D  
Acq: 29 Oct 2018 14:28

Instrument :  
BNA\_M  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 127   | Resp: | 117112 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 33.3  | 26.2  | 39.4   |
| 65       | 31.9  | 23.7  | 35.5   |
| 92       | 19.6  | 14.3  | 21.5   |



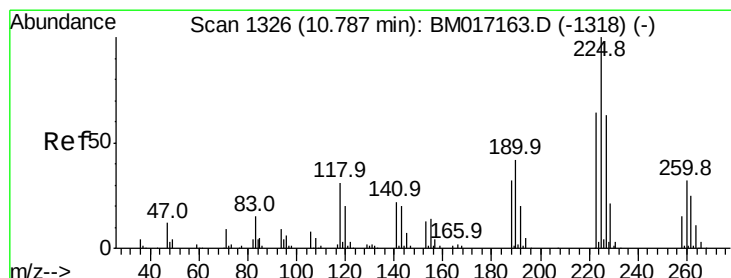
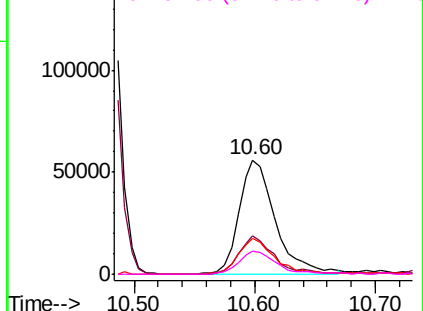
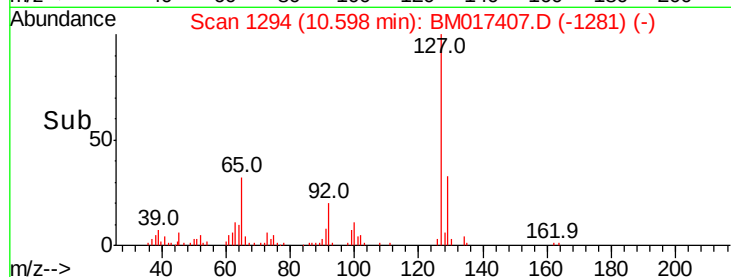
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

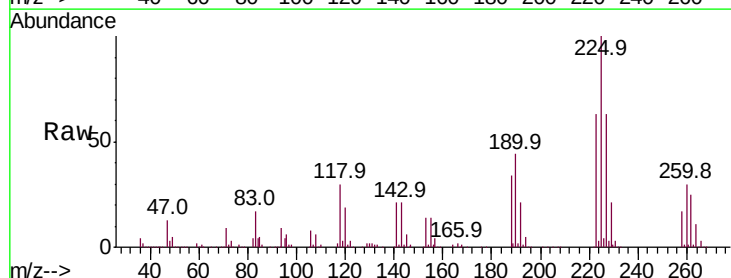
Ion 65.00 (64.70 to 65.70): BM0

Ion 92.00 (91.70 to 92.70): BM0



#34  
Hexachlorobutadiene  
Concen: 40.994 ng  
RT: 10.75 min Scan# 1320  
Delta R.T. -0.04 min  
Lab File: BM017407.D  
Acq: 29 Oct 2018 14:28

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 615776 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 63.1  | 51.0  | 76.6   |
| 227      | 63.3  | 50.8  | 76.2   |

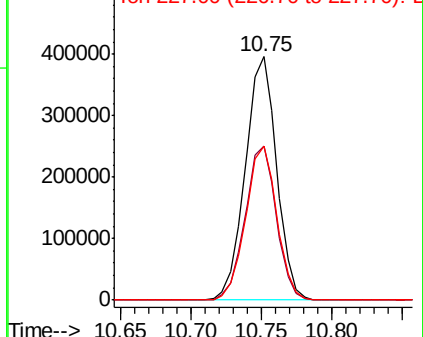
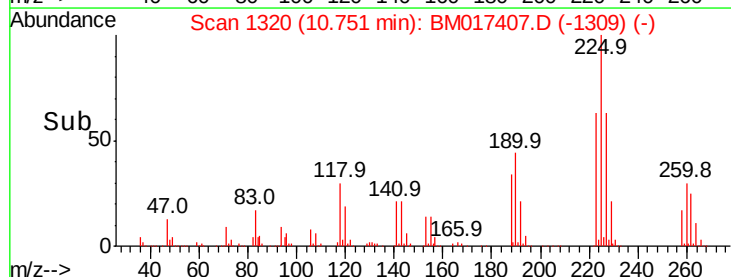


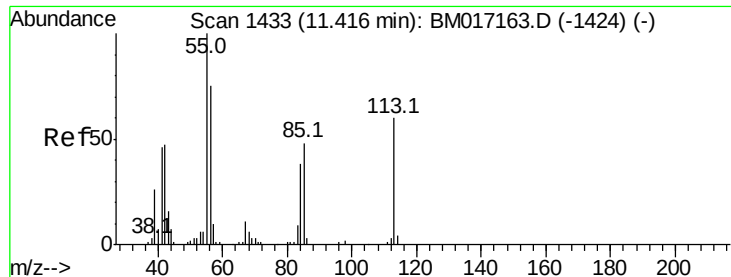
Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 16.501 ng

RT: 11.41 min Scan# 1432

Delta R.T. -0.01 min

Lab File: BM017407.D

Acq: 29 Oct 2018 14:28

Instrument :

BNA\_M

ClientSampled :

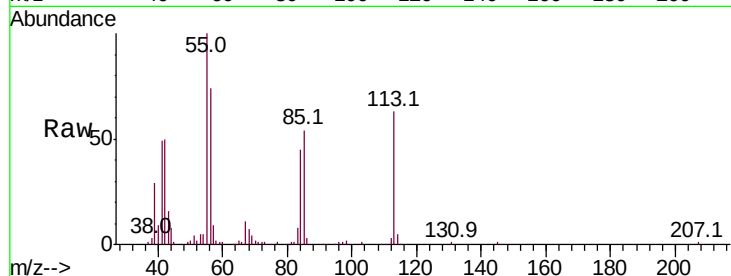
Tot Ion:113 Resp: 118838

Ion Ratio Lower Upper

113 100

55 158.5 147.0 187.0

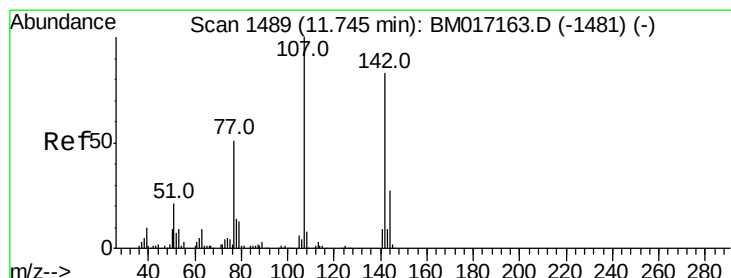
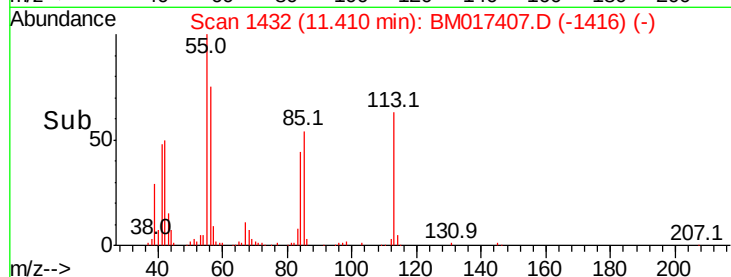
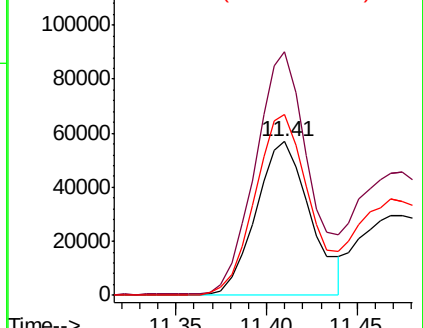
56 117.7 104.5 144.5



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM

Ion 56.00 (55.70 to 56.70): BM



#36

4-Chloro-3-methylphenol

Concen: 52.424 ng

RT: 11.73 min Scan# 1486

Delta R.T. -0.02 min

Lab File: BM017407.D

Acq: 29 Oct 2018 14:28

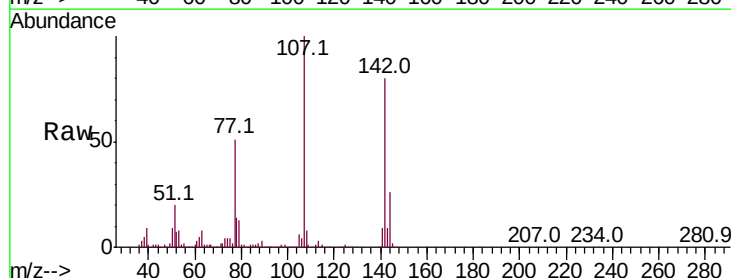
Tgt Ion:107 Resp: 1167782

Ion Ratio Lower Upper

107 100

144 25.8 21.6 32.4

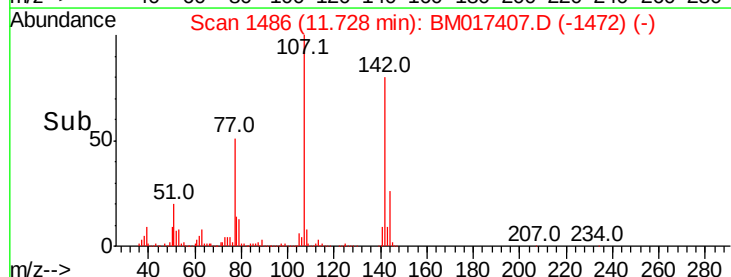
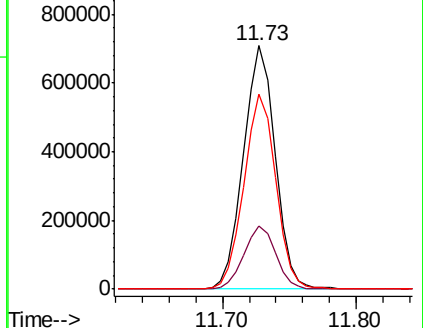
142 80.3 66.0 99.0

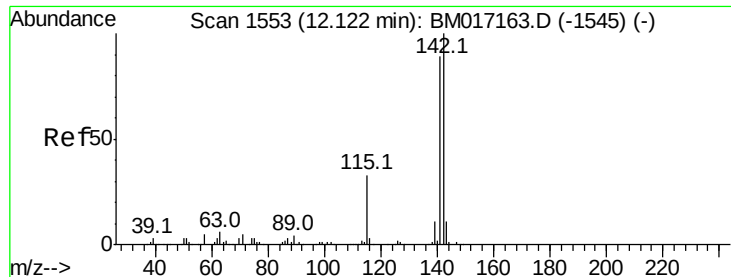


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

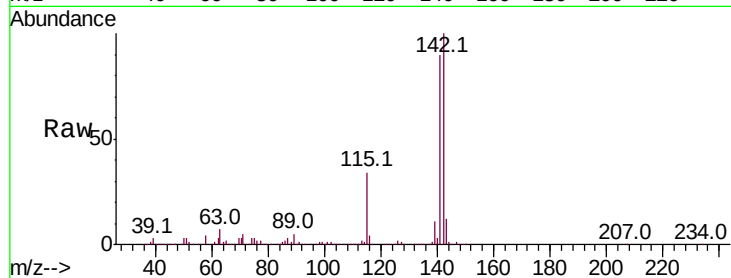




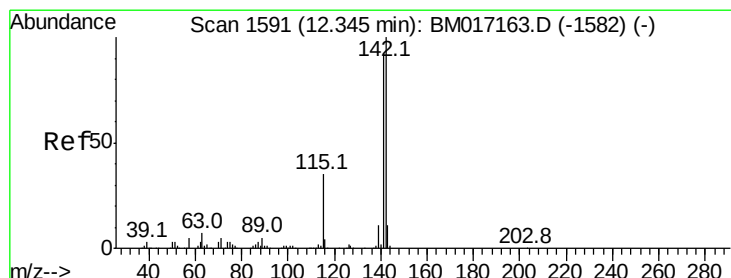
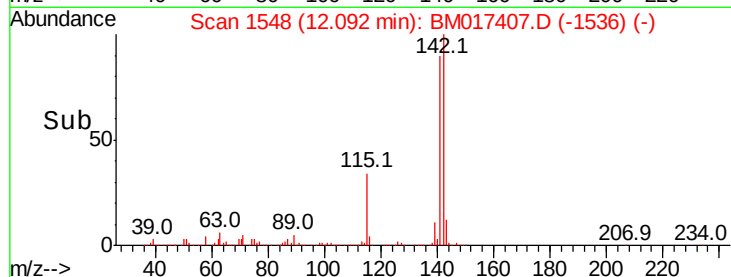
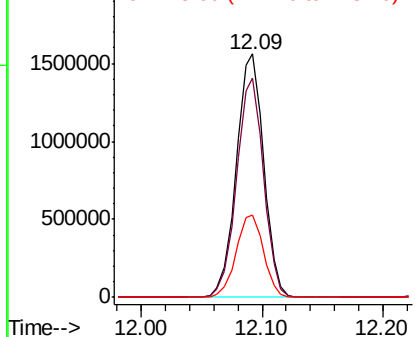
#37  
2-Methylnaphthalene  
Concen: 54.070 ng  
RT: 12.09 min Scan# 1548  
Delta R.T. -0.03 min  
Lab File: BM017407.D  
Acq: 29 Oct 2018 14:28

Instrument :  
BNA\_M  
ClientSampleId :

Tot Ion:142 Resp: 2472040  
Ion Ratio Lower Upper  
142 100  
141 89.8 70.9 106.3  
115 34.1 26.4 39.6

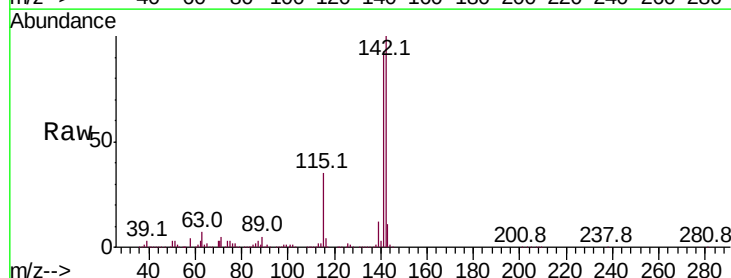


Abundance Ion 142.00 (141.70 to 142.70): E  
Ion 141.00 (140.70 to 141.70): E  
Ion 115.00 (114.70 to 115.70): E

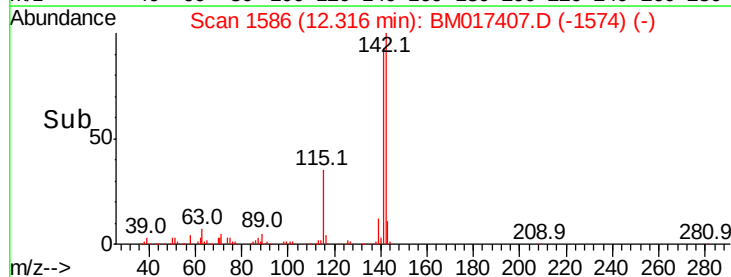
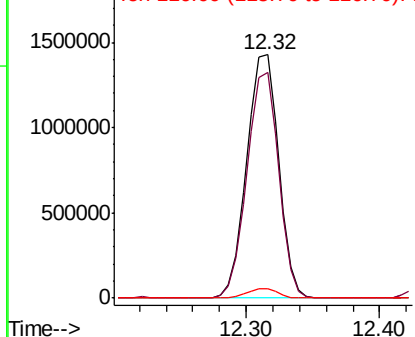


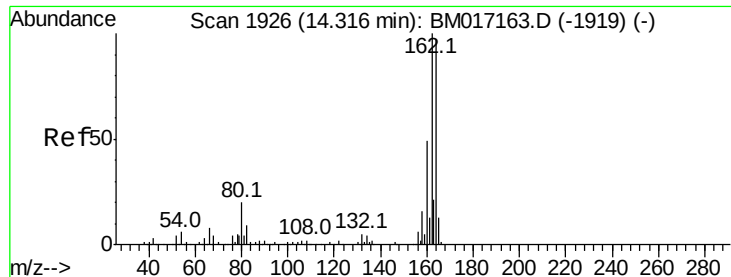
#38  
1-Methylnaphthalene  
Concen: 52.880 ng  
RT: 12.32 min Scan# 1586  
Delta R.T. -0.03 min  
Lab File: BM017407.D  
Acq: 29 Oct 2018 14:28

Tgt Ion:142 Resp: 2353024  
Ion Ratio Lower Upper  
142 100  
141 92.6 73.8 110.6  
116 3.7 2.9 4.3



Abundance Ion 142.00 (141.70 to 142.70): E  
Ion 141.00 (140.70 to 141.70): E  
Ion 116.00 (115.70 to 116.70): E

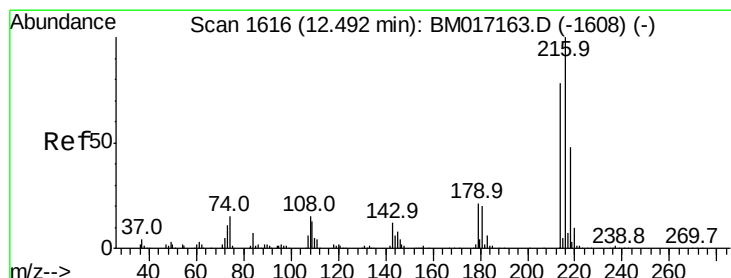
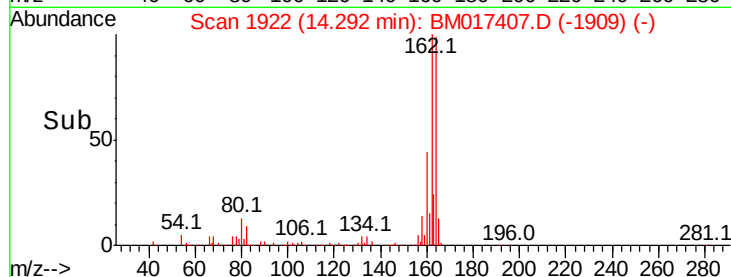
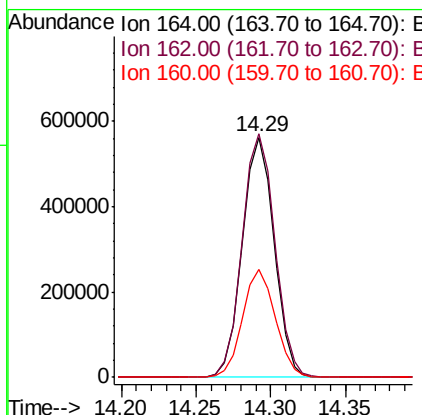
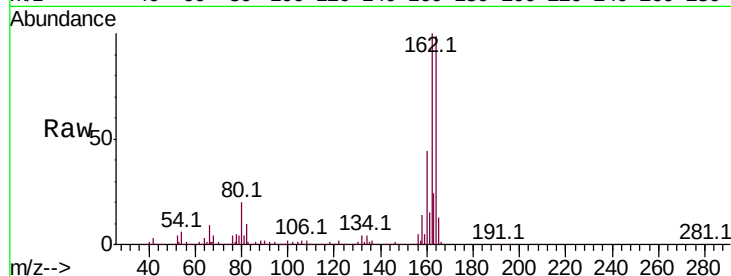




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.29 min Scan# 1922  
Delta R.T. -0.02 min  
Lab File: BM017407.D  
Acq: 29 Oct 2018 14:28

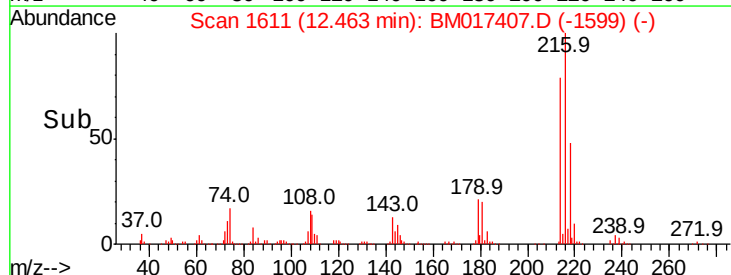
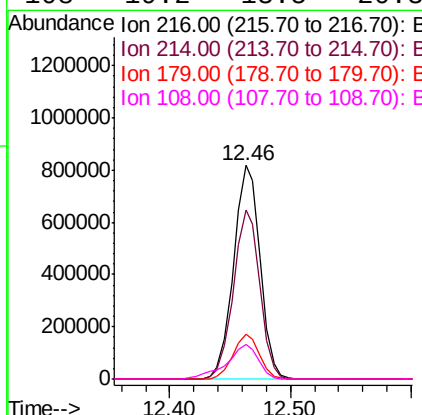
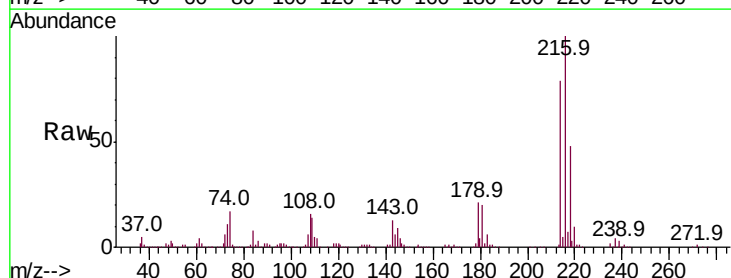
Instrument :  
BNA\_M  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 101.4 | 82.1  | 123.1 |
| 160     | 45.1  | 40.2  | 60.2  |

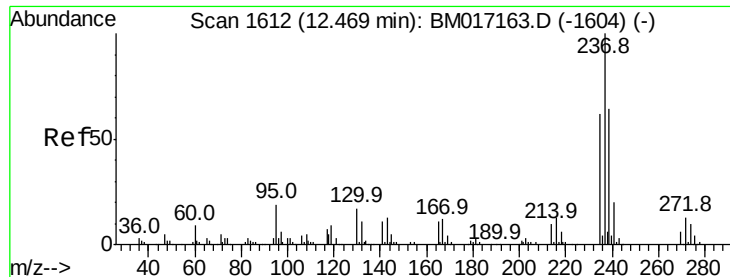


#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 42.700 ng  
RT: 12.46 min Scan# 1611  
Delta R.T. -0.03 min  
Lab File: BM017407.D  
Acq: 29 Oct 2018 14:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 216     | 100   |       |       |
| 214     | 78.6  | 62.6  | 93.8  |
| 179     | 20.9  | 16.6  | 24.8  |
| 108     | 19.2  | 13.5  | 20.3  |







#41

Hexachlorocyclopentadiene

Concen: 100.353 ng

RT: 12.44 min Scan# 1607

Delta R.T. -0.03 min

Lab File: BM017407.D

Acq: 29 Oct 2018 14:28

Instrument :

BNA\_M

ClientSampleId :

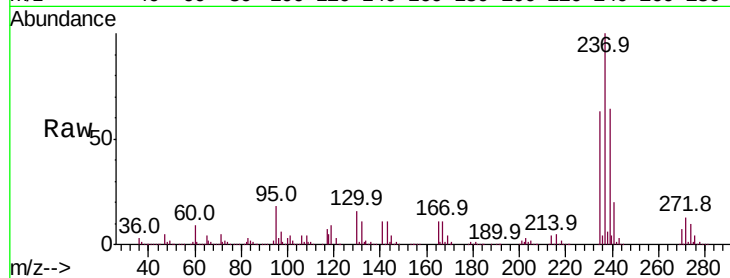
Tot Ion:237 Resp: 1416707

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 237 | 100   |       |       |
| 235 | 62.8  | 42.4  | 82.4  |
| 272 | 12.8  | 0.0   | 33.0  |

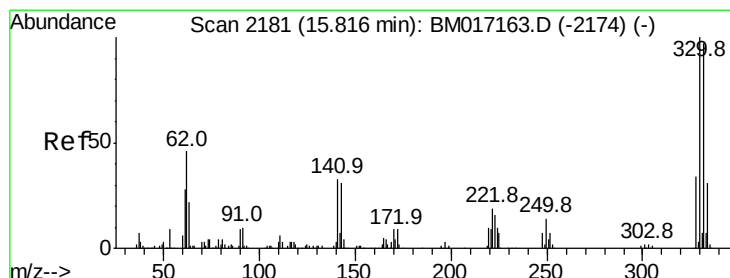
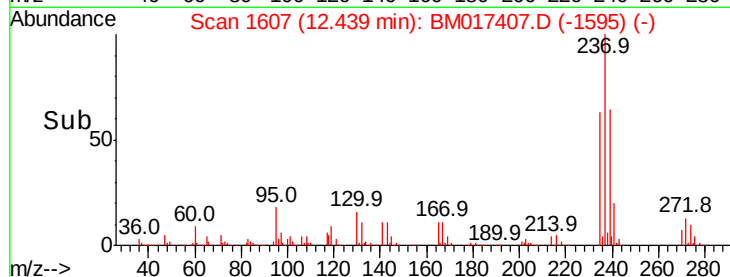
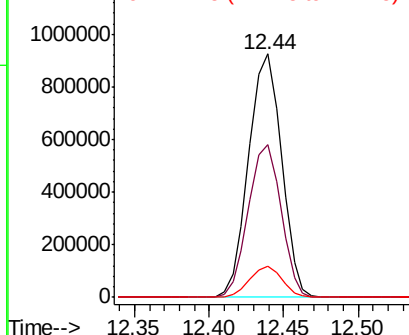
237 100

235 62.8 42.4 82.4

272 12.8 0.0 33.0



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



#42

2,4,6-Tribromophenol

Concen: 129.106 ng

RT: 15.79 min Scan# 2177

Delta R.T. -0.02 min

Lab File: BM017407.D

Acq: 29 Oct 2018 14:28

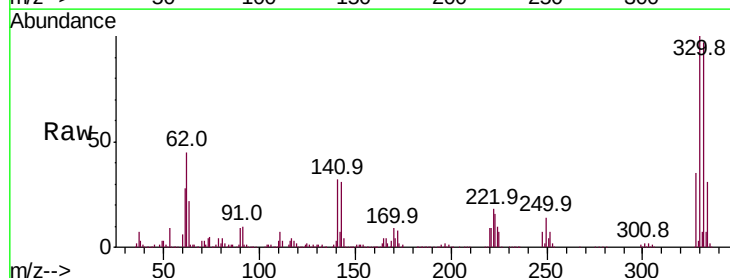
Tgt Ion:330 Resp: 1447776

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 330 | 100   |       |       |
| 332 | 96.5  | 77.3  | 115.9 |
| 141 | 31.8  | 27.4  | 41.0  |

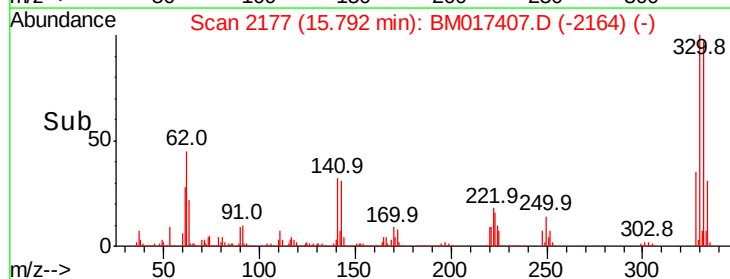
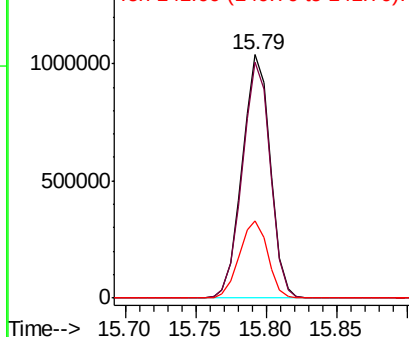
330 100

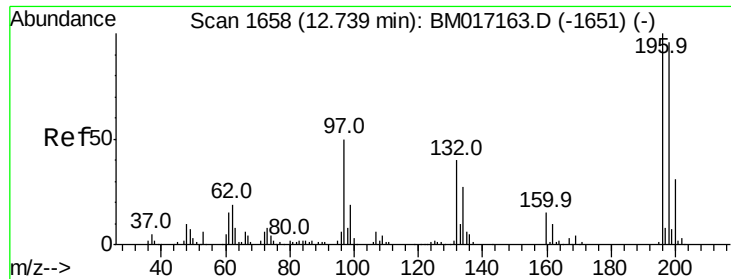
332 96.5 77.3 115.9

141 31.8 27.4 41.0



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

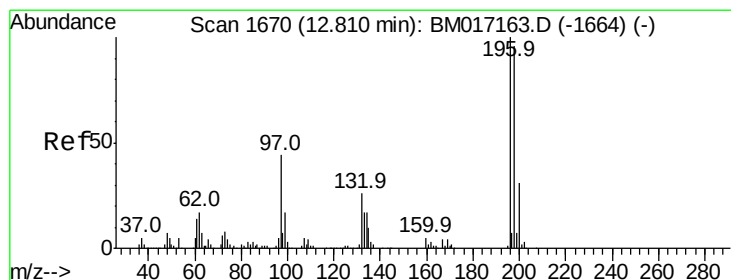
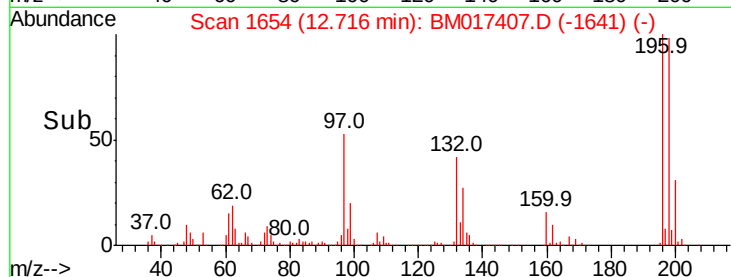
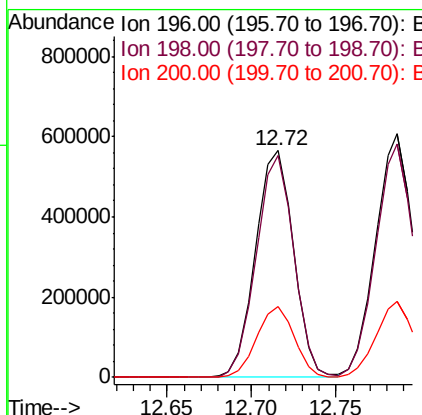
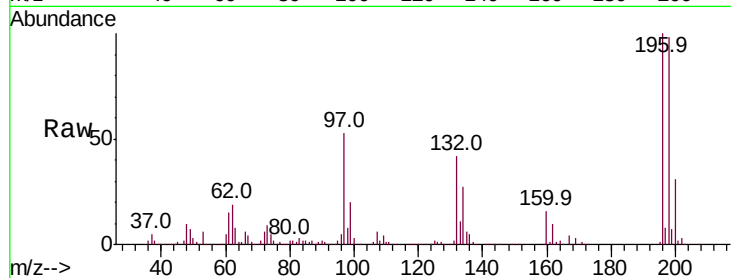




#43  
 2,4,6-Trichlorophenol  
 Concen: 52.060 ng  
 RT: 12.72 min Scan# 1654  
 Delta R.T. -0.02 min  
 Lab File: BM017407.D  
 Acq: 29 Oct 2018 14:28

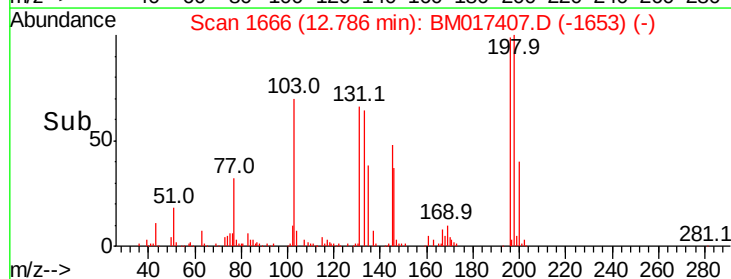
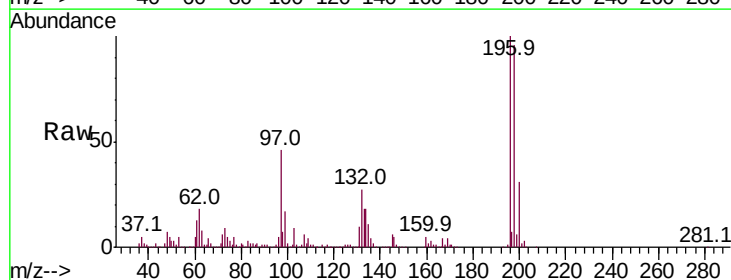
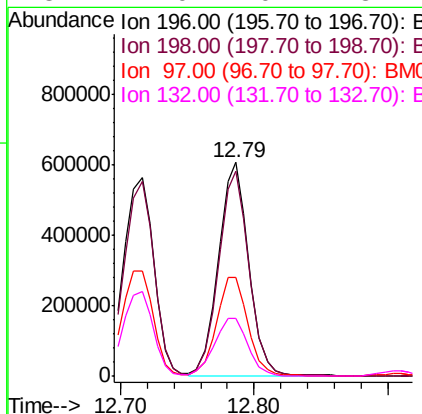
Instrument :  
 BNA\_M  
 ClientSampled :

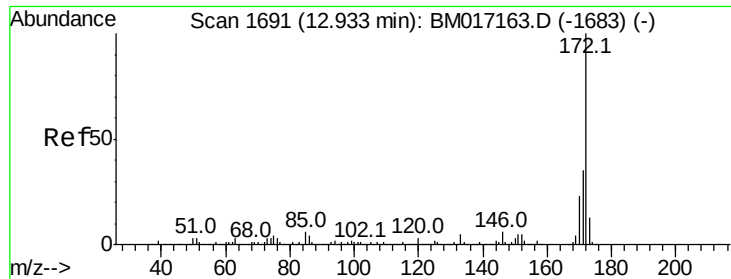
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 98.0  | 77.1  | 115.7 |
| 200     | 31.1  | 25.0  | 37.4  |



#44  
 2,4,5-Trichlorophenol  
 Concen: 52.586 ng  
 RT: 12.79 min Scan# 1666  
 Delta R.T. -0.02 min  
 Lab File: BM017407.D  
 Acq: 29 Oct 2018 14:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 96.0  | 76.6  | 115.0 |
| 97      | 46.4  | 35.5  | 53.3  |
| 132     | 27.0  | 20.7  | 31.1  |

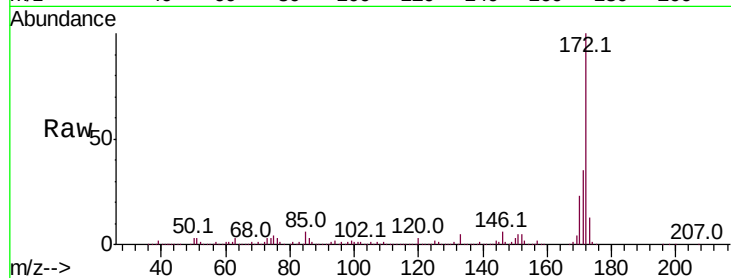




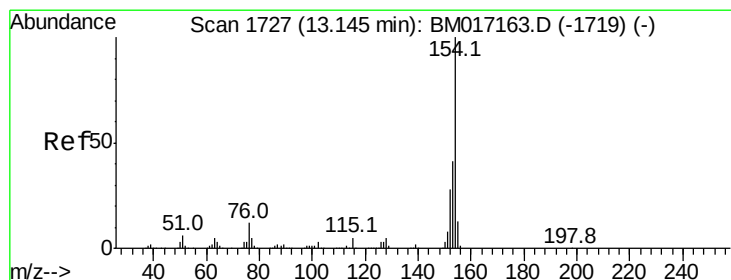
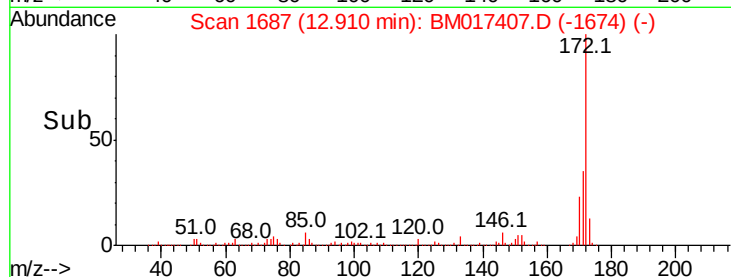
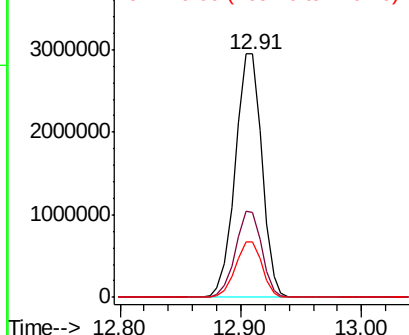
#45  
2-Fluorobiphenyl  
Concen: 72.957 ng  
RT: 12.91 min Scan# 1687  
Delta R.T. -0.02 min  
Lab File: BM017407.D  
Acq: 29 Oct 2018 14:28

Instrument :  
BNA\_M  
ClientSampleId :

Tot Ion:172 Resp: 4546777  
Ion Ratio Lower Upper  
172 100  
171 35.1 28.3 42.5  
170 22.7 18.3 27.5

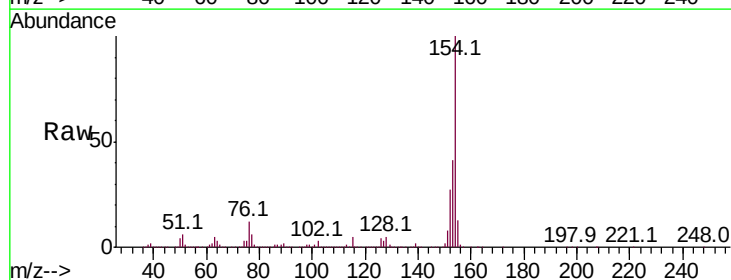


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

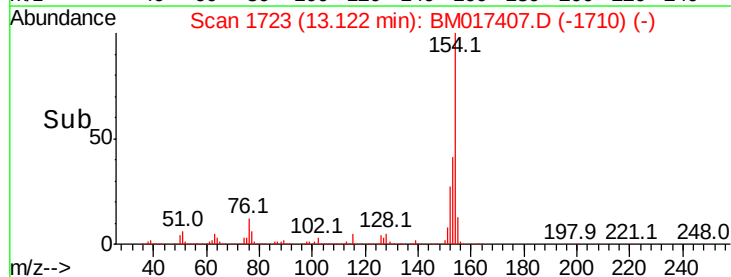
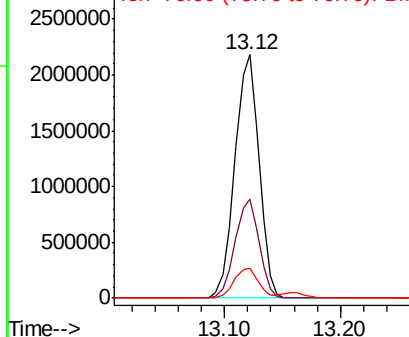


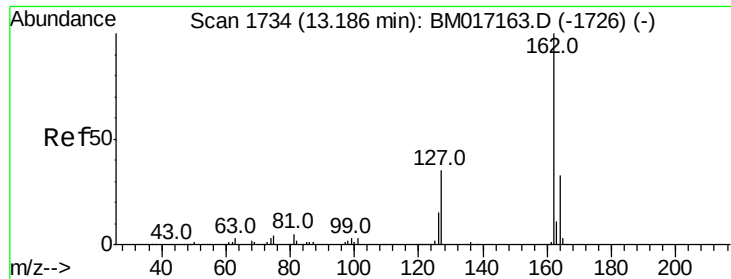
#46  
1,1'-Biphenyl  
Concen: 42.349 ng  
RT: 13.12 min Scan# 1723  
Delta R.T. -0.02 min  
Lab File: BM017407.D  
Acq: 29 Oct 2018 14:28

Tgt Ion:154 Resp: 3160076  
Ion Ratio Lower Upper  
154 100  
153 40.7 20.5 60.5  
76 12.0 0.0 31.8



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): BM



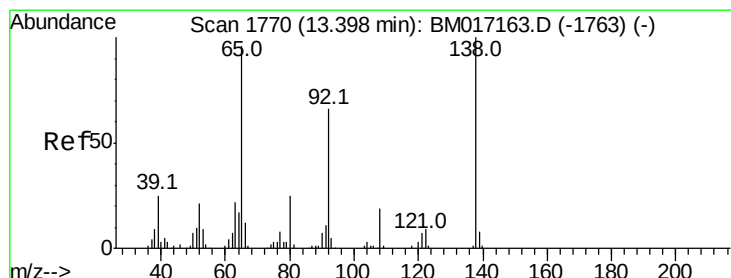
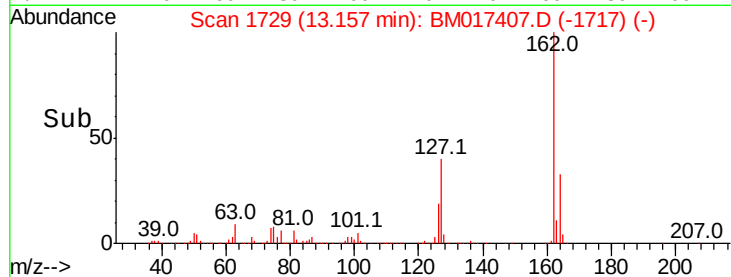
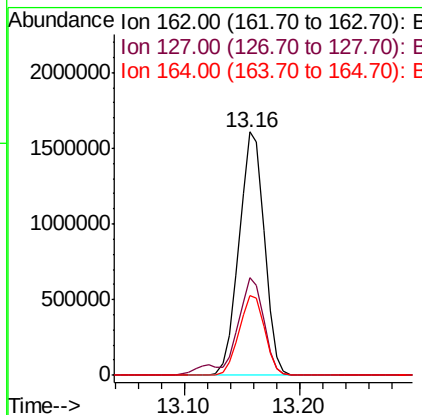
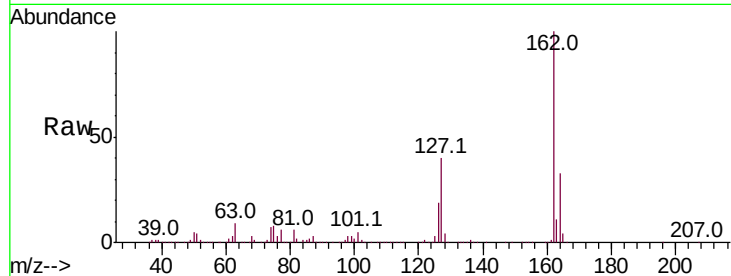


#47  
 2-Chloronaphthalene  
 Concen: 44.601 ng  
 RT: 13.16 min Scan# 1729  
 Delta R.T. -0.03 min  
 Lab File: BM017407.D  
 Acq: 29 Oct 2018 14:28

Instrument :  
 BNA\_M  
 ClientSampleId :

Tot Ion:162 Resp: 2448419  

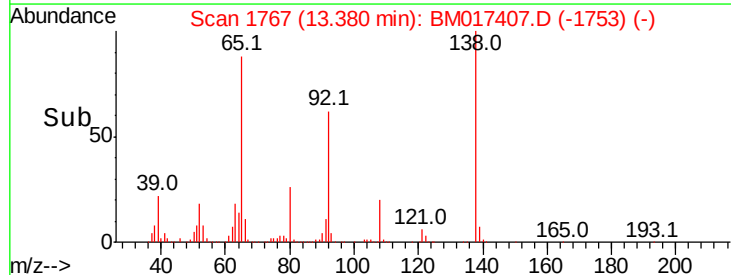
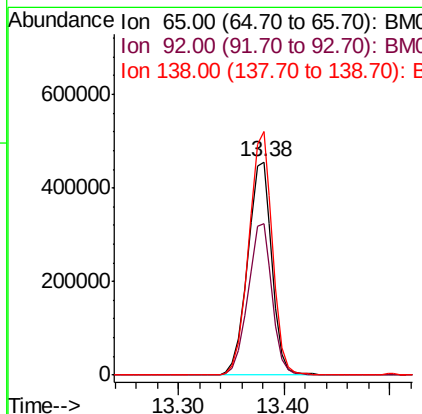
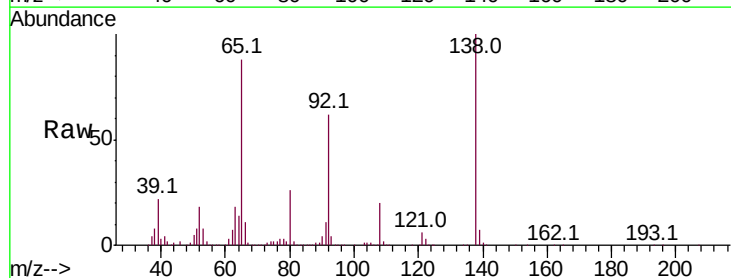
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 162 | 100   |       |       |
| 127 | 40.3  | 31.0  | 46.4  |
| 164 | 32.8  | 26.6  | 39.8  |

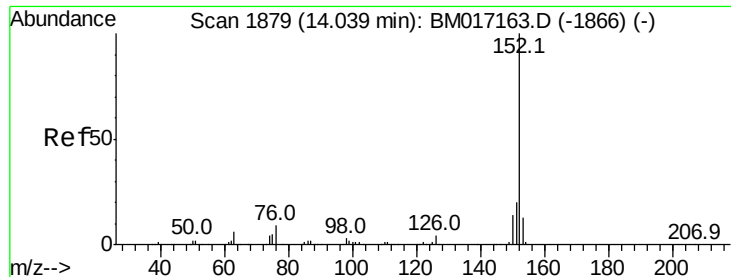


#48  
 2-Nitroaniline  
 Concen: 47.294 ng  
 RT: 13.38 min Scan# 1767  
 Delta R.T. -0.02 min  
 Lab File: BM017407.D  
 Acq: 29 Oct 2018 14:28

Tgt Ion: 65 Resp: 732004  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 65  | 100   |       |       |
| 92  | 71.0  | 54.9  | 82.3  |
| 138 | 114.1 | 83.7  | 125.5 |





#49

Acenaphthylene

Concen: 51.653 ng

RT: 14.02 min Scan# 1875

Delta R.T. -0.02 min

Lab File: BM017407.D

Acq: 29 Oct 2018 14:28

Instrument :

BNA\_M

ClientSampleId :

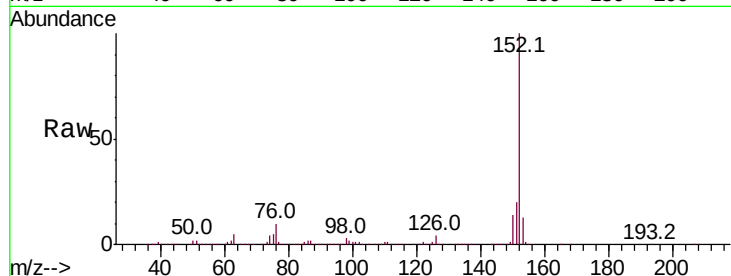
Tot Ion:152 Resp: 4110125

Ion Ratio Lower Upper

152 100

151 20.0 16.0 24.0

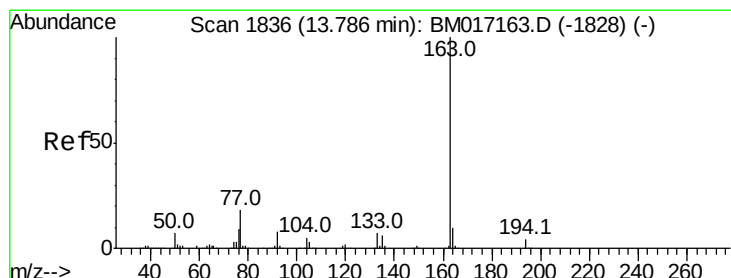
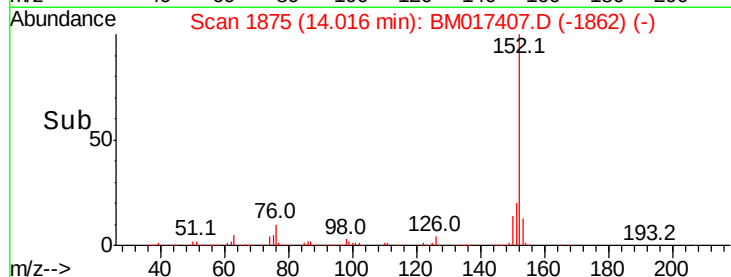
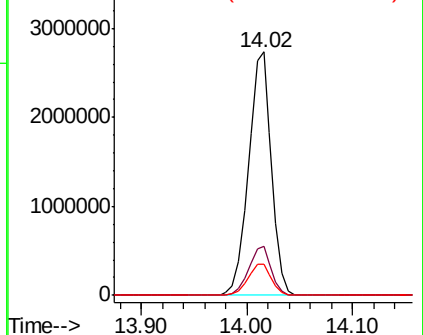
153 13.0 10.4 15.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 50.148 ng

RT: 13.77 min Scan# 1833

Delta R.T. -0.02 min

Lab File: BM017407.D

Acq: 29 Oct 2018 14:28

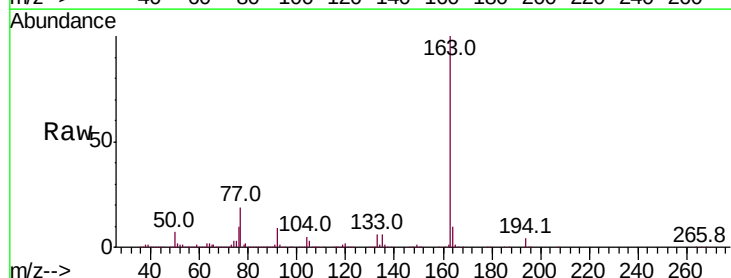
Tgt Ion:163 Resp: 3208191

Ion Ratio Lower Upper

163 100

194 4.4 3.3 4.9

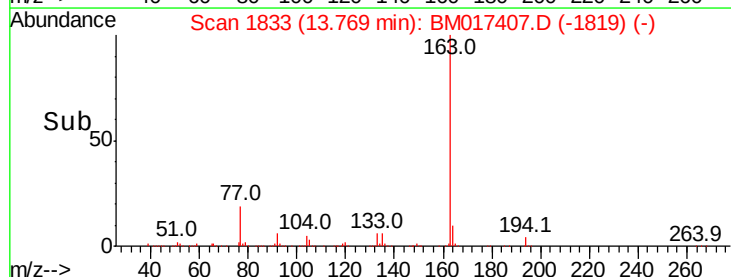
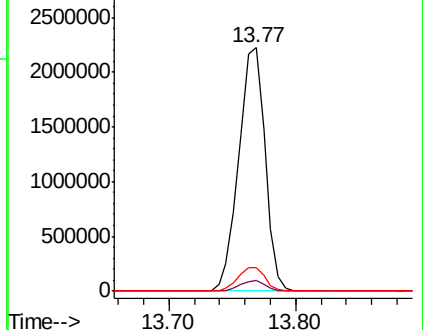
164 9.8 7.8 11.8

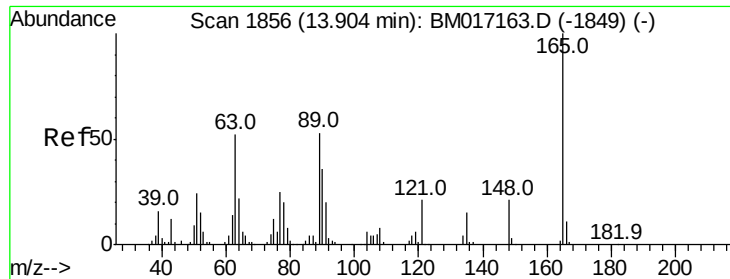


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

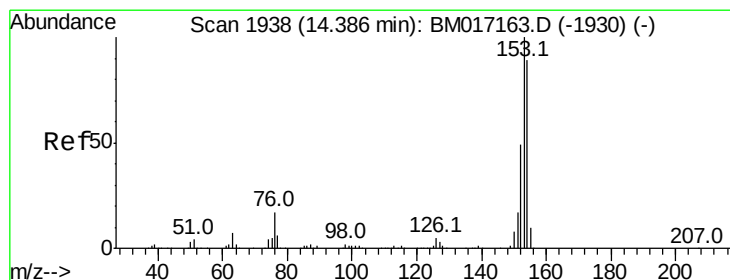
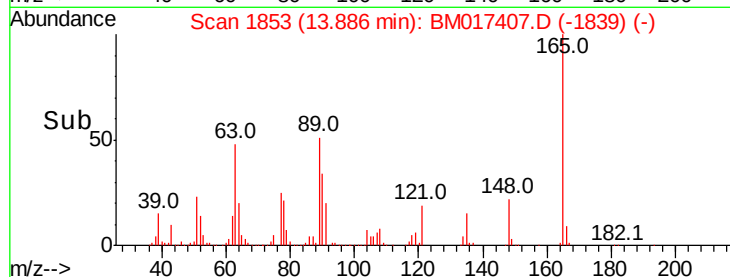
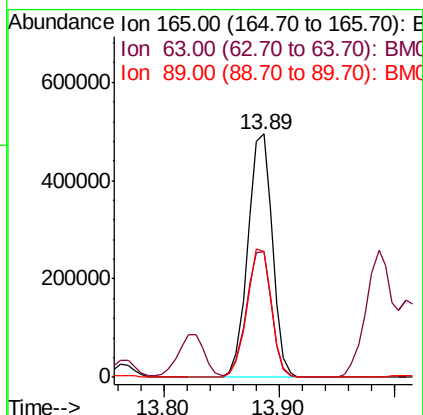
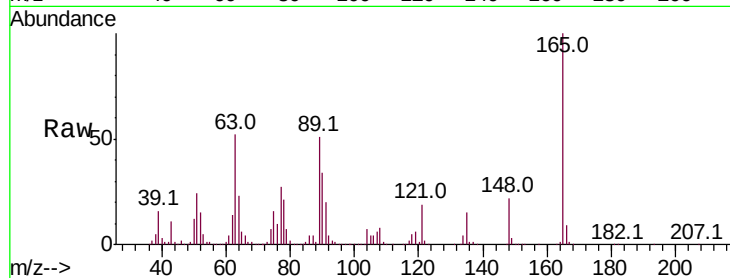




#51  
 2,6-Dinitrotoluene  
 Concen: 51.760 ng  
 RT: 13.89 min Scan# 1853  
 Delta R.T. -0.02 min  
 Lab File: BM017407.D  
 Acq: 29 Oct 2018 14:28

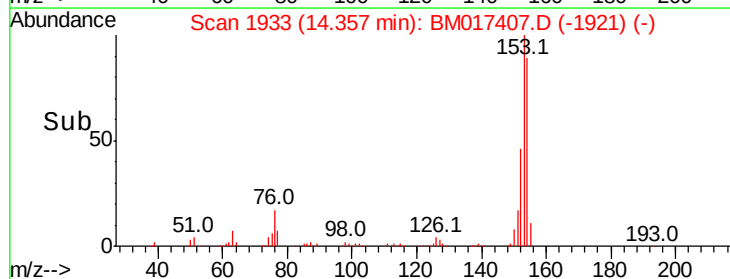
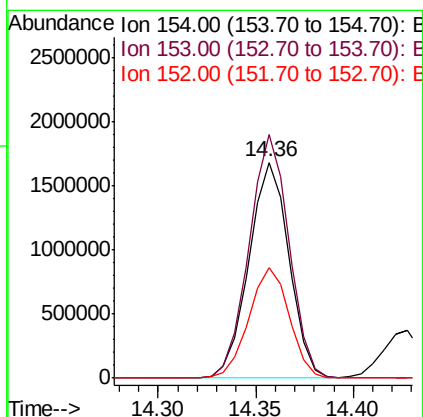
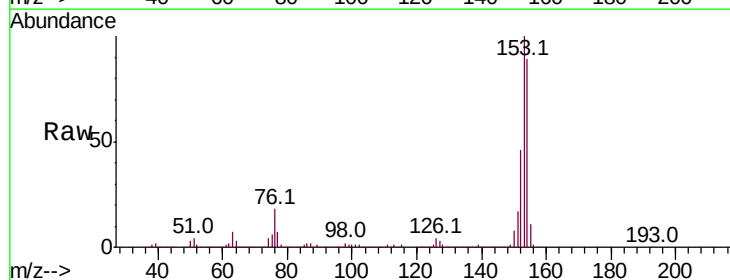
Instrument :  
 BNA\_M  
 ClientSampleId :

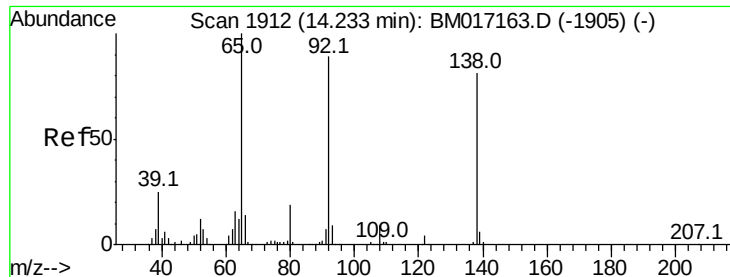
Tot Ion:165 Resp: 728803  
 Ion Ratio Lower Upper  
 165 100  
 63 51.7 42.7 64.1  
 89 51.5 42.1 63.1



#52  
 Acenaphthene  
 Concen: 48.079 ng  
 RT: 14.36 min Scan# 1933  
 Delta R.T. -0.03 min  
 Lab File: BM017407.D  
 Acq: 29 Oct 2018 14:28

Tgt Ion:154 Resp: 2402072  
 Ion Ratio Lower Upper  
 154 100  
 153 112.8 90.2 135.2  
 152 51.4 44.2 66.4

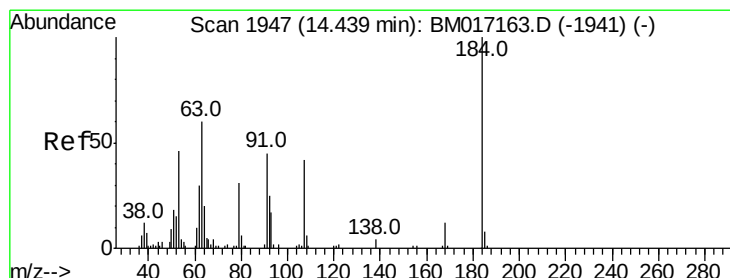
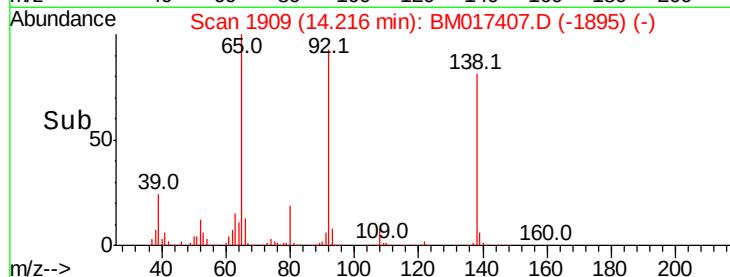
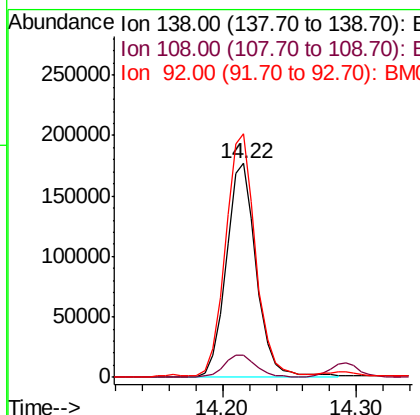
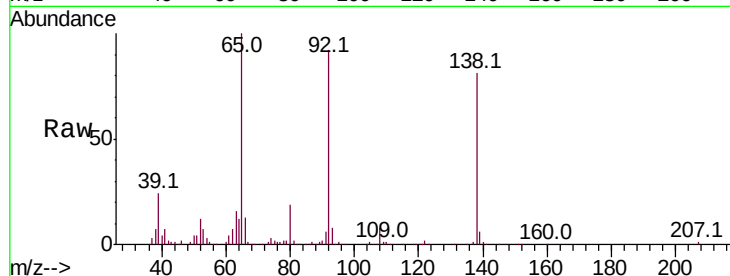




#53  
3-Nitroaniline  
Concen: 18.326 ng  
RT: 14.22 min Scan# 1909  
Delta R.T. -0.02 min  
Lab File: BM017407.D  
Acq: 29 Oct 2018 14:28

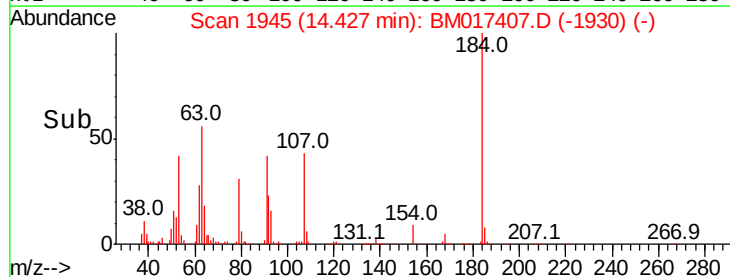
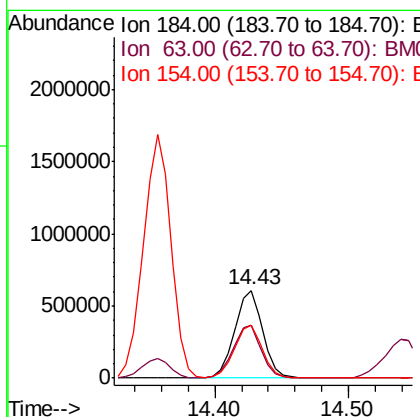
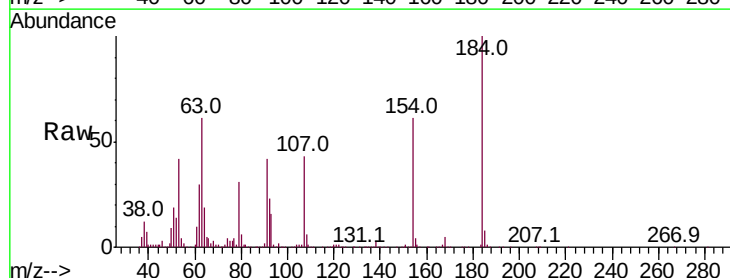
Instrument :  
BNA\_M  
ClientSampleId :

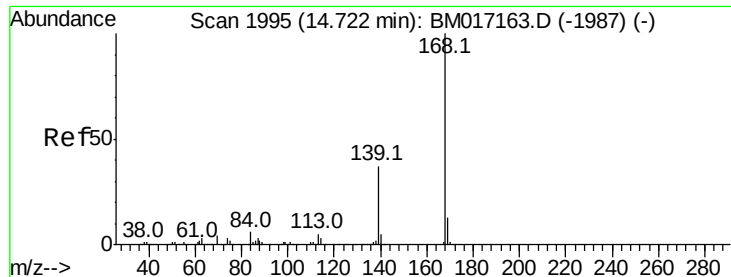
Tot Ion:138 Resp: 279471  
Ion Ratio Lower Upper  
138 100  
108 10.4 8.7 13.1  
92 113.9 87.9 131.9



#54  
2,4-Dinitrophenol  
Concen: 104.324 ng  
RT: 14.43 min Scan# 1945  
Delta R.T. -0.01 min  
Lab File: BM017407.D  
Acq: 29 Oct 2018 14:28

Tgt Ion:184 Resp: 884773  
Ion Ratio Lower Upper  
184 100  
63 60.6 51.2 76.8  
154 60.6 47.8 71.8

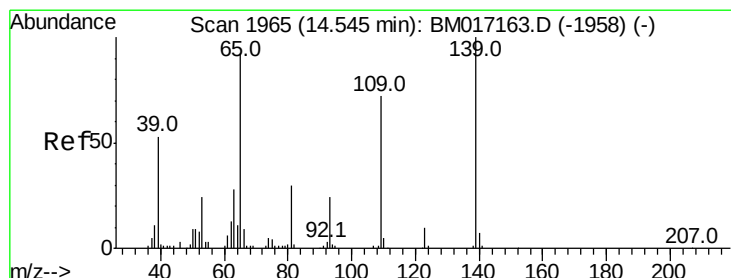
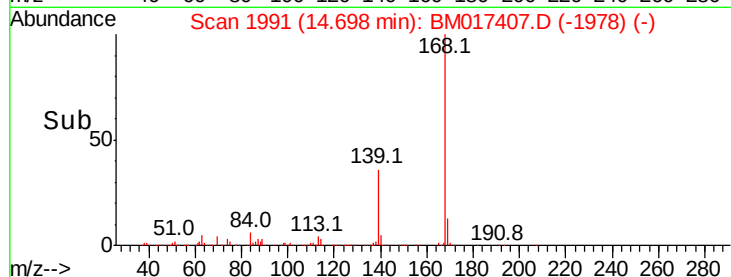
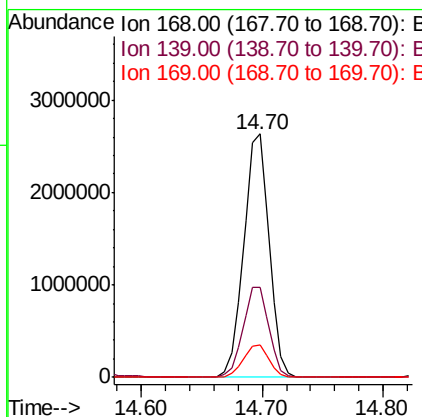
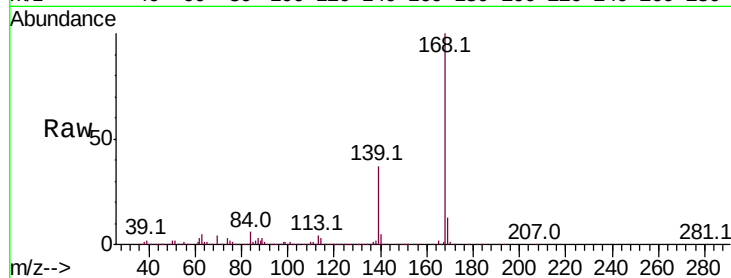




#55  
 Dibenzofuran  
 Concen: 46.527 ng  
 RT: 14.70 min Scan# 1991  
 Delta R.T. -0.02 min  
 Lab File: BM017407.D  
 Acq: 29 Oct 2018 14:28

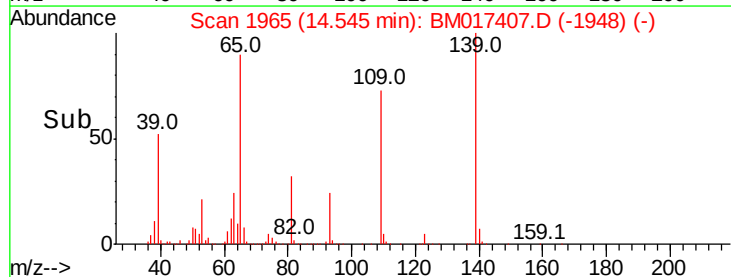
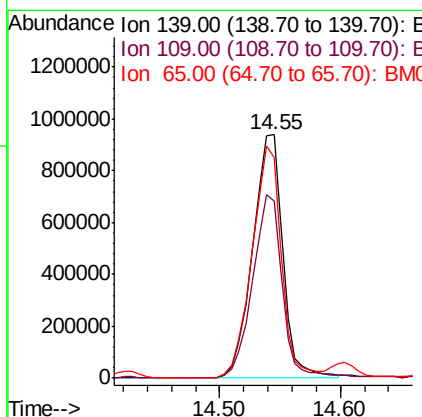
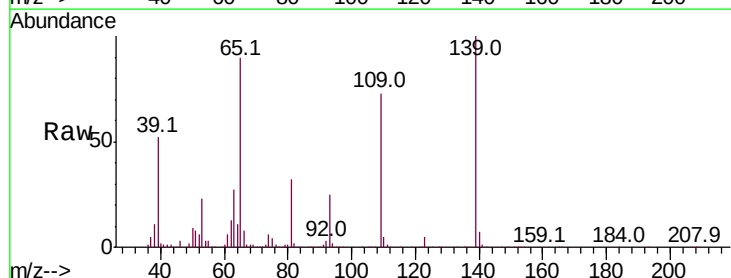
Instrument :  
 BNA\_M  
 ClientSampleId :

Tot Ion:168 Resp: 3865602  
 Ion Ratio Lower Upper  
 168 100  
 139 36.8 29.3 43.9  
 169 13.1 10.6 15.8

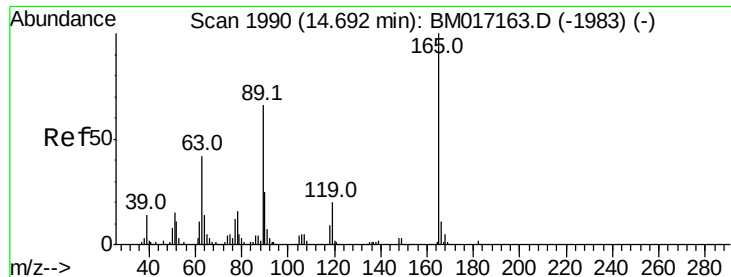


#56  
 4-Nitrophenol  
 Concen: 116.113 ng  
 RT: 14.55 min Scan# 1965  
 Delta R.T. 0.00 min  
 Lab File: BM017407.D  
 Acq: 29 Oct 2018 14:28

Tgt Ion:139 Resp: 1645238  
 Ion Ratio Lower Upper  
 139 100  
 109 72.7 51.8 91.8  
 65 90.5 72.1 112.1



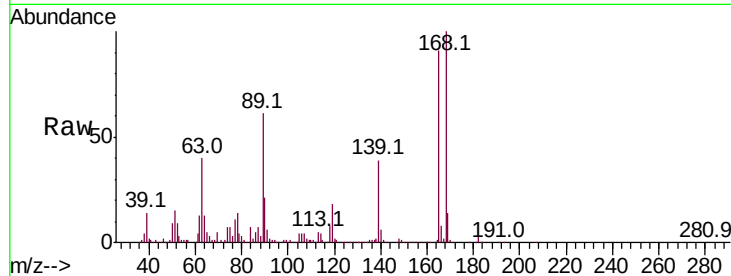




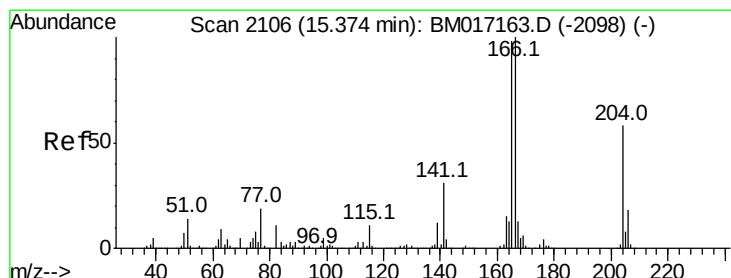
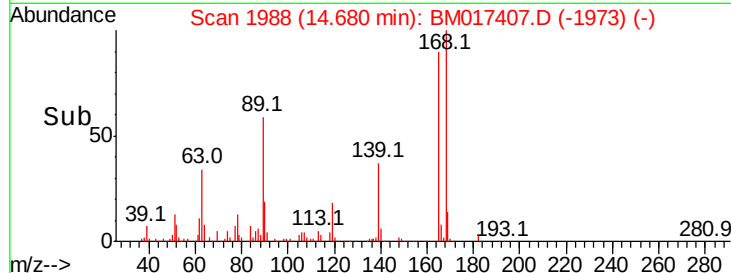
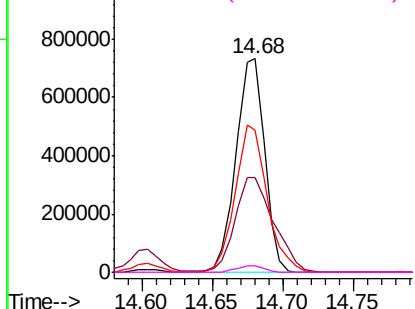
#57  
2,4-Dinitrotoluene  
Concen: 54.949 ng  
RT: 14.68 min Scan# 1988  
Delta R.T. -0.01 min  
Lab File: BM017407.D  
Acq: 29 Oct 2018 14:28

Instrument :  
BNA\_M  
ClientSampleId :

Tot Ion:165 Resp: 1039896  
Ion Ratio Lower Upper  
165 100  
63 44.1 33.8 50.8  
89 66.8 53.1 79.7  
182 2.9 2.0 3.0

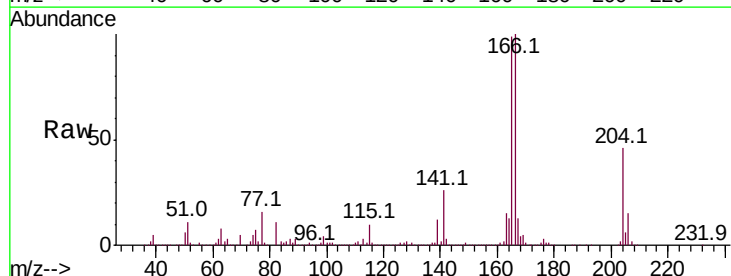


Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BM  
Ion 89.00 (88.70 to 89.70): BM  
Ion 182.00 (181.70 to 182.70): E

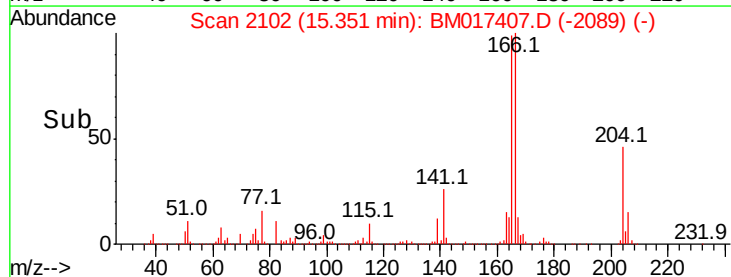
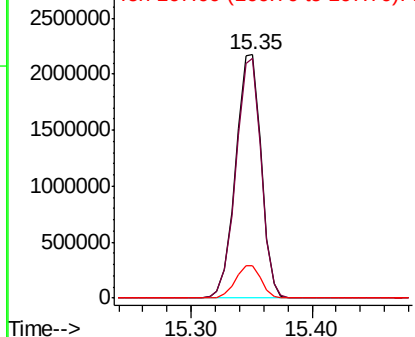


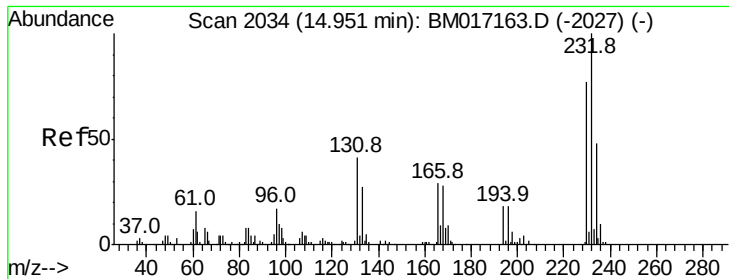
#58  
Fluorene  
Concen: 51.973 ng  
RT: 15.35 min Scan# 2102  
Delta R.T. -0.02 min  
Lab File: BM017407.D  
Acq: 29 Oct 2018 14:28

Tgt Ion:166 Resp: 3196121  
Ion Ratio Lower Upper  
166 100  
165 98.7 78.1 117.1  
167 13.2 10.6 16.0



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

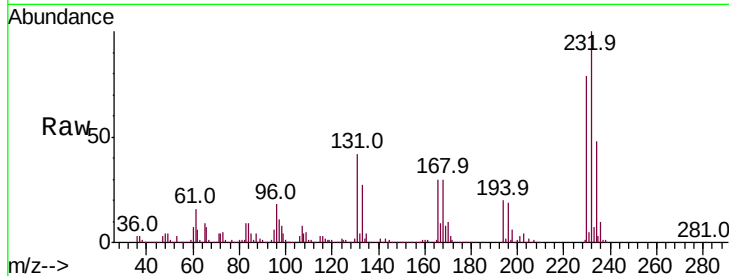




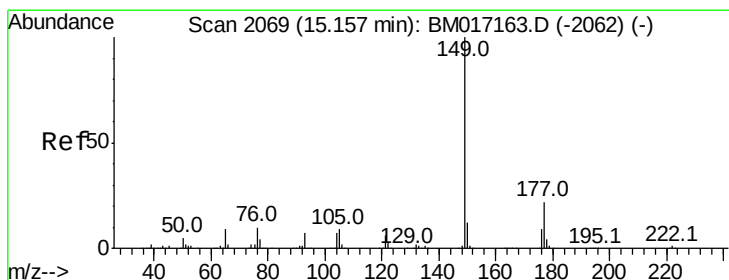
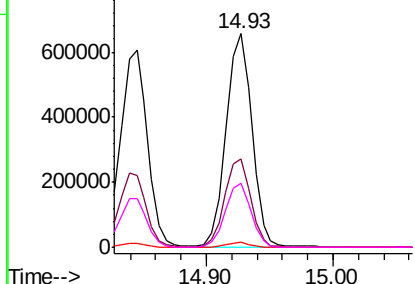
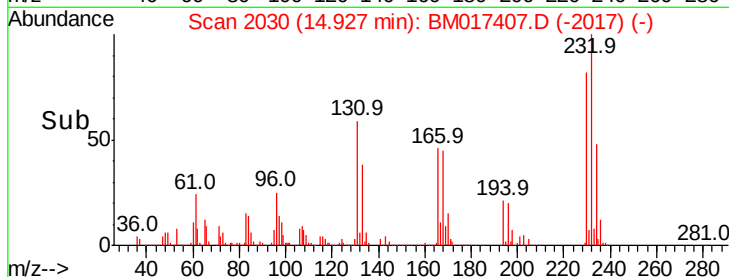
#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 55.390 ng  
 RT: 14.93 min Scan# 2030  
 Delta R.T. -0.02 min  
 Lab File: BM017407.D  
 Acq: 29 Oct 2018 14:28

Instrument :  
 BNA\_M  
 ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 232   | Resp: | 917808 |
| Ion      | Ratio | Lower | Upper  |
| 232      | 100   |       |        |
| 131      | 41.6  | 33.1  | 49.7   |
| 130      | 2.3   | 1.7   | 2.5    |
| 166      | 30.1  | 24.4  | 36.6   |

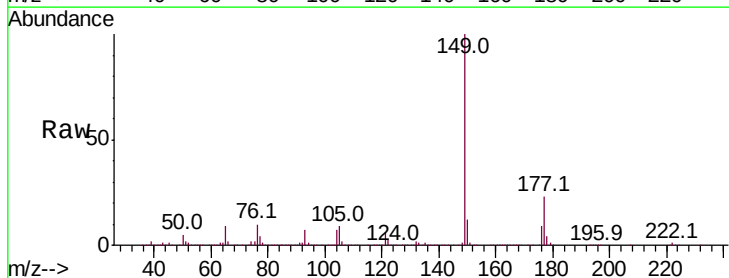


Abundance Ion 232.00 (231.70 to 232.70): E  
 Ion 131.00 (130.70 to 131.70): E  
 Ion 130.00 (129.70 to 130.70): E  
 Ion 166.00 (165.70 to 166.70): E

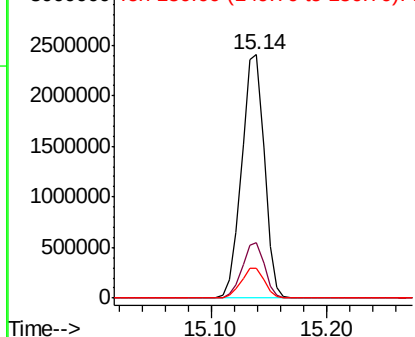
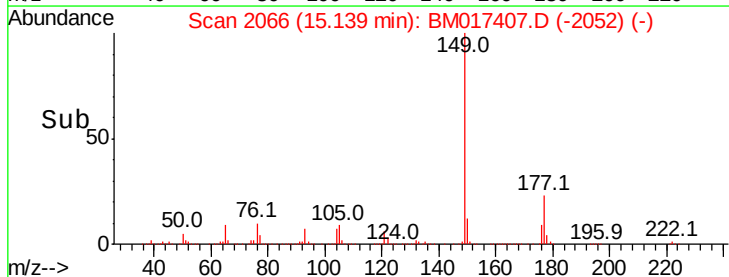


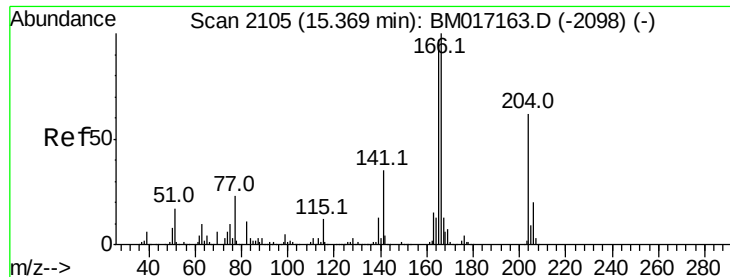
#60  
 Diethylphthalate  
 Concen: 51.718 ng  
 RT: 15.14 min Scan# 2066  
 Delta R.T. -0.02 min  
 Lab File: BM017407.D  
 Acq: 29 Oct 2018 14:28

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 149   | Resp: | 3281163 |
| Ion      | Ratio | Lower | Upper   |
| 149      | 100   |       |         |
| 177      | 22.9  | 17.7  | 26.5    |
| 150      | 12.4  | 10.0  | 15.0    |



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

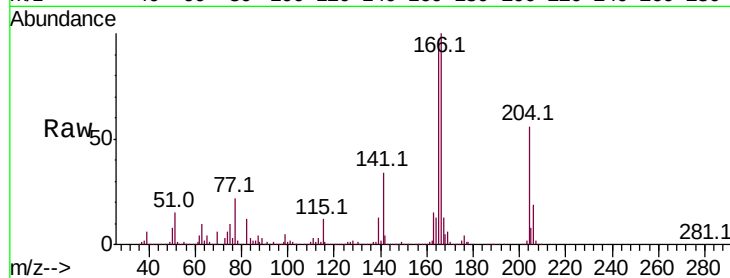




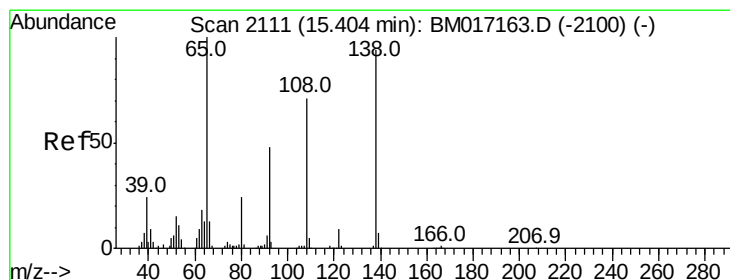
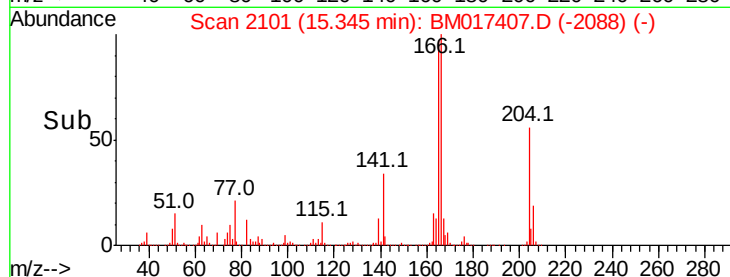
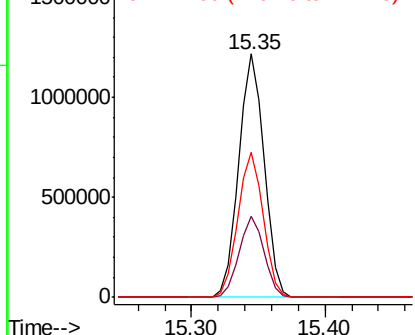
#61  
4-Chlorophenyl-phenylether  
Concen: 45.722 ng  
RT: 15.35 min Scan# 2101  
Delta R.T. -0.02 min  
Lab File: BM017407.D  
Acq: 29 Oct 2018 14:28

Instrument :  
BNA\_M  
ClientSampleId :

Tot Ion:204 Resp: 1602952  
Ion Ratio Lower Upper  
204 100  
206 33.5 26.1 39.1  
141 59.7 45.4 68.2

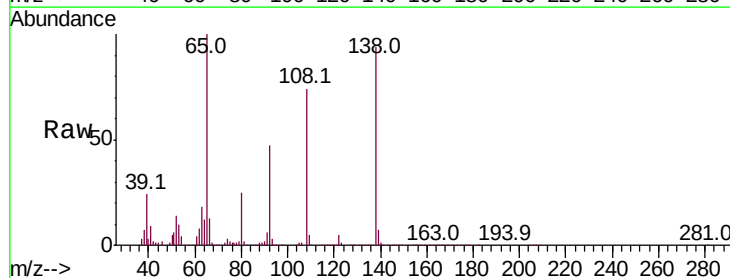


Abundance Ion 204.00 (203.70 to 204.70): E  
Ion 206.00 (205.70 to 206.70): E  
Ion 141.00 (140.70 to 141.70): E

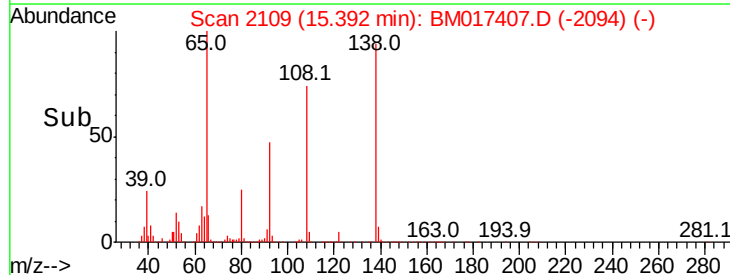
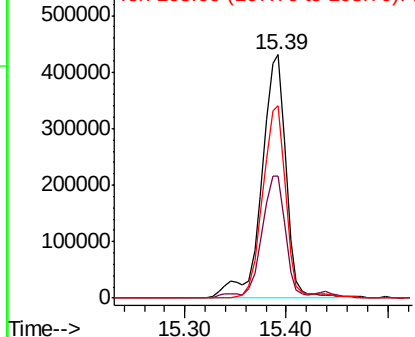


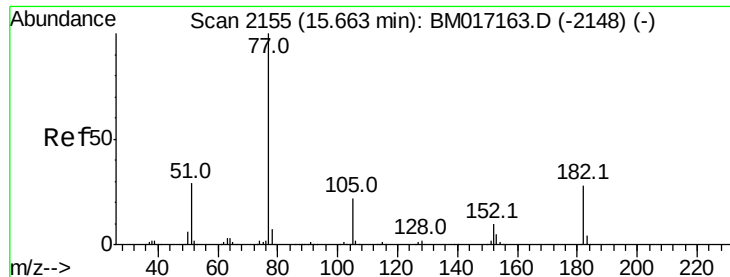
#62  
4-Nitroaniline  
Concen: 42.657 ng  
RT: 15.39 min Scan# 2109  
Delta R.T. -0.01 min  
Lab File: BM017407.D  
Acq: 29 Oct 2018 14:28

Tgt Ion:138 Resp: 715966  
Ion Ratio Lower Upper  
138 100  
92 50.1 31.2 71.2  
108 79.0 55.5 95.5



Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 92.00 (91.70 to 92.70): BM0  
Ion 108.00 (107.70 to 108.70): E

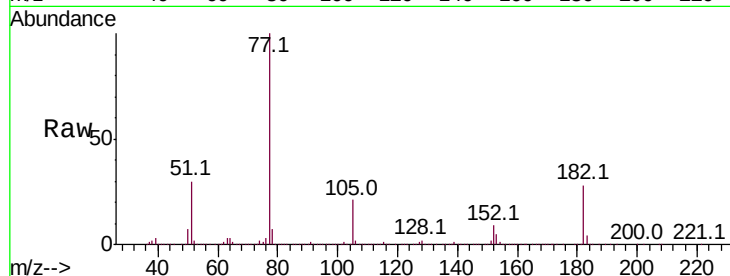




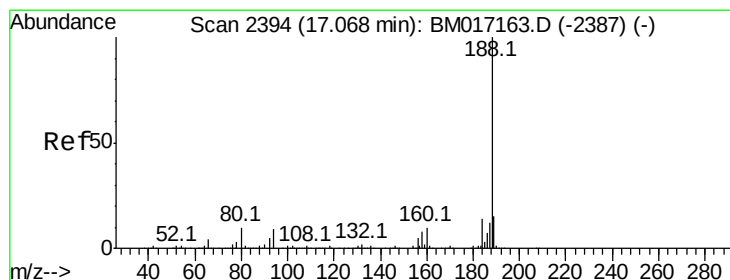
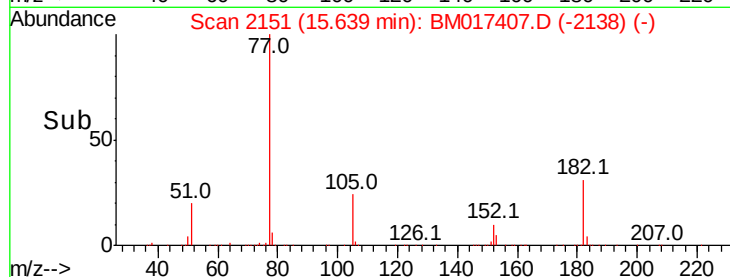
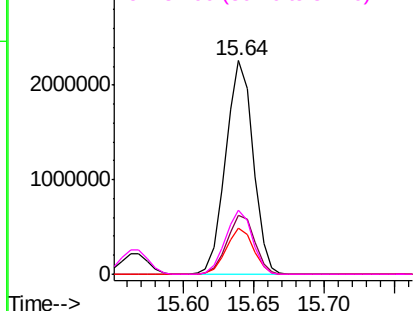
#63  
Azobenzene  
Concen: 49.407 ng  
RT: 15.64 min Scan# 2151  
Delta R.T. -0.02 min  
Lab File: BM017407.D  
Acq: 29 Oct 2018 14:28

Instrument :  
BNA\_M  
ClientSampleId :

Tot Ion: 77 Resp: 3046767  
Ion Ratio Lower Upper  
77 100  
182 27.9 8.3 48.3  
105 21.4 1.5 41.5  
51 29.7 8.8 48.8

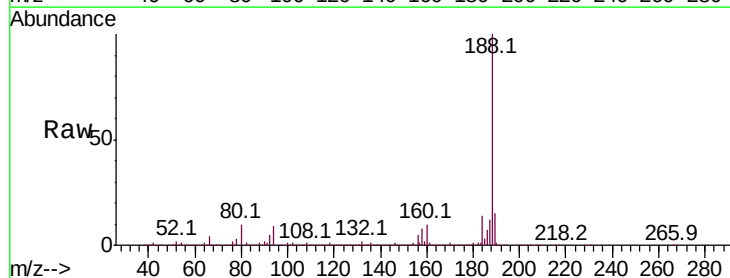


Abundance Ion 77.00 (76.70 to 77.70): BM017163.D (-2148) (-)  
Ion 182.00 (181.70 to 182.70): BM017163.D (-2148) (-)  
Ion 105.00 (104.70 to 105.70): BM017163.D (-2148) (-)  
Ion 51.00 (50.70 to 51.70): BM017163.D (-2148) (-)

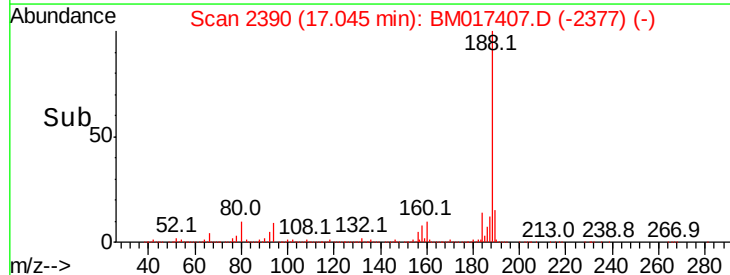
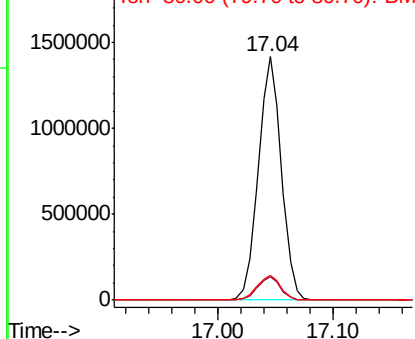


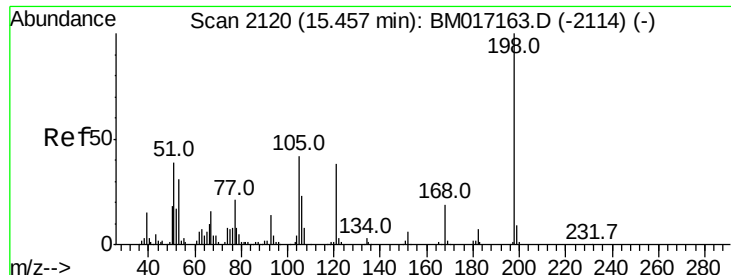
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.04 min Scan# 2390  
Delta R.T. -0.02 min  
Lab File: BM017407.D  
Acq: 29 Oct 2018 14:28

Tgt Ion: 188 Resp: 1967517  
Ion Ratio Lower Upper  
188 100  
94 9.5 7.0 10.4  
80 10.3 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): BM017163.D (-2387) (-)  
Ion 94.00 (93.70 to 94.70): BM017163.D (-2387) (-)  
Ion 80.00 (79.70 to 80.70): BM017163.D (-2387) (-)

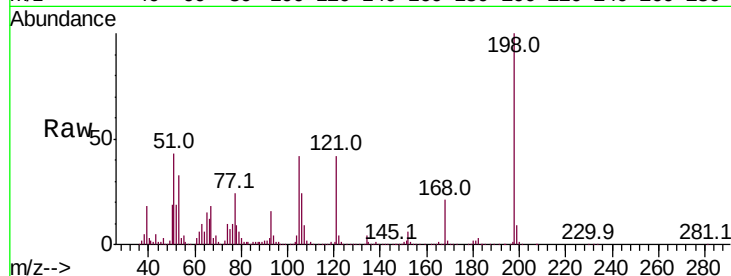




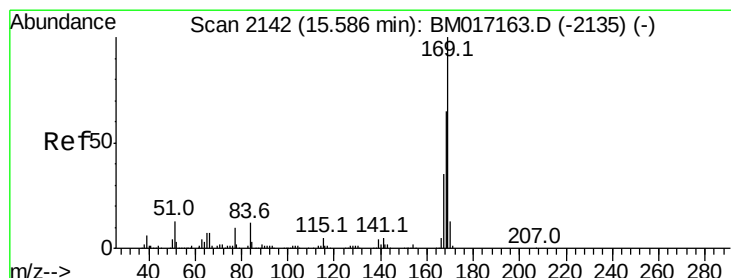
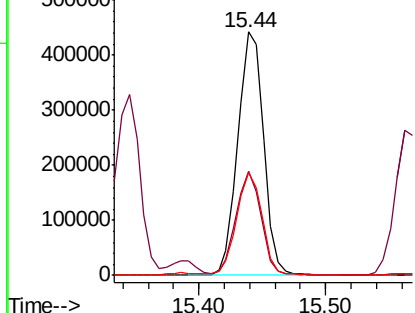
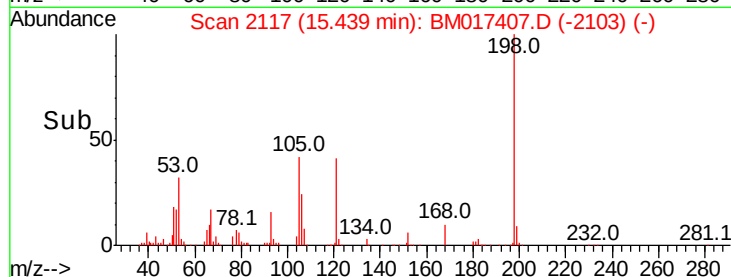
#65  
4,6-Dinitro-2-methylphenol  
Concen: 49.142 ng  
RT: 15.44 min Scan# 2117  
Delta R.T. -0.02 min  
Lab File: BM017407.D  
Acq: 29 Oct 2018 14:28

Instrument :  
BNA\_M  
ClientSampled :

| Tot Ion   | 198  | Resp  | 623349 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 51        | 42.5 | 20.3  | 60.3   |
| 105       | 42.4 | 21.9  | 61.9   |

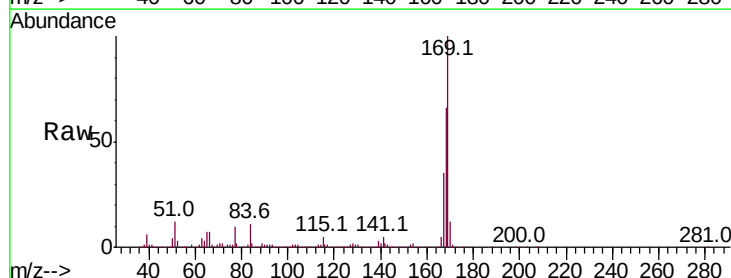


Abundance Ion 198.00 (197.70 to 198.70): E  
Ion 51.00 (50.70 to 51.70): BM  
Ion 105.00 (104.70 to 105.70): E

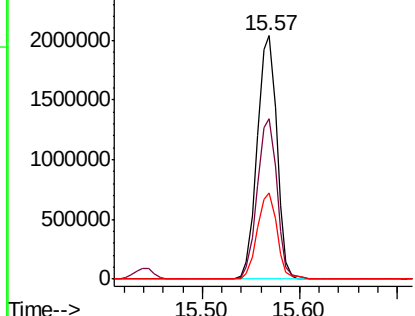
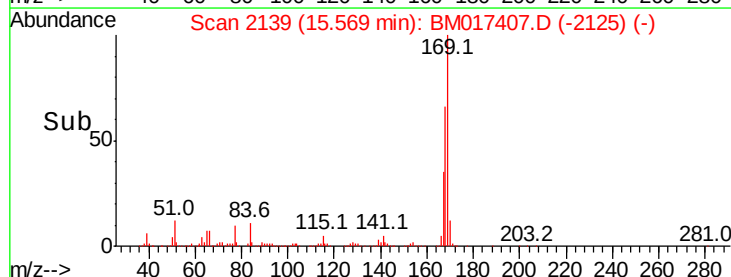


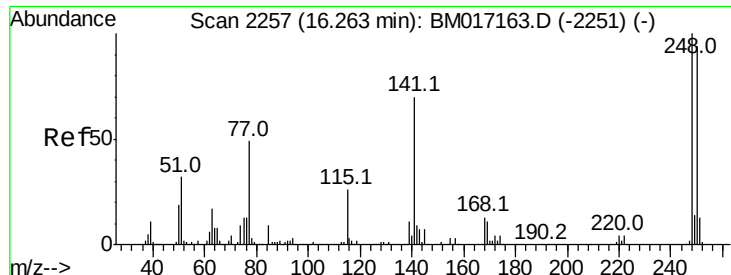
#66  
n-Nitrosodiphenylamine  
Concen: 48.192 ng  
RT: 15.57 min Scan# 2139  
Delta R.T. -0.02 min  
Lab File: BM017407.D  
Acq: 29 Oct 2018 14:28

| Tgt Ion   | 169  | Resp  | 2868706 |
|-----------|------|-------|---------|
| Ion Ratio | 100  | Lower | Upper   |
| 168       | 65.9 | 52.2  | 78.4    |
| 167       | 35.4 | 28.4  | 42.6    |



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





#67

4-Bromophenyl-phenylether

Concen: 48.891 ng

RT: 16.24 min Scan# 2253

Delta R.T. -0.02 min

Lab File: BM017407.D

Acq: 29 Oct 2018 14:28

Instrument :

BNA\_M

ClientSampled :

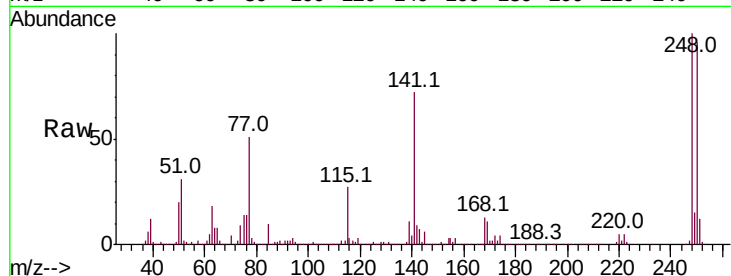
Tot Ion:248 Resp: 1056222

Ion Ratio Lower Upper

248 100

250 95.6 75.1 112.7

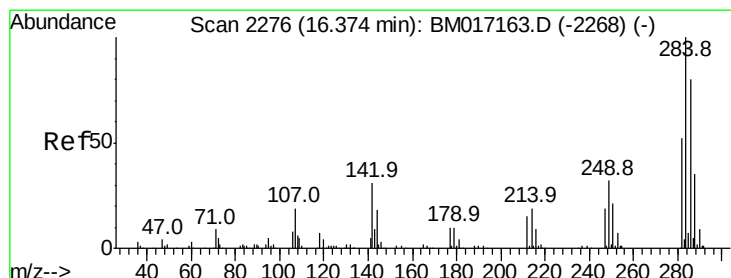
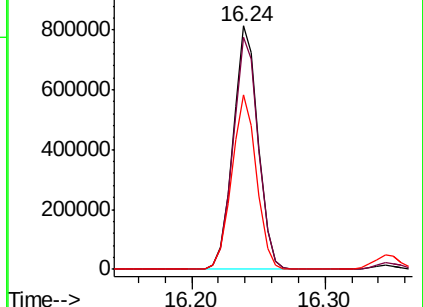
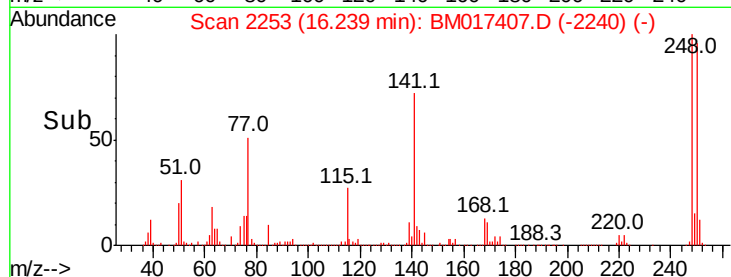
141 71.8 55.6 83.4



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68

Hexachlorobenzene

Concen: 45.126 ng

RT: 16.35 min Scan# 2272

Delta R.T. -0.02 min

Lab File: BM017407.D

Acq: 29 Oct 2018 14:28

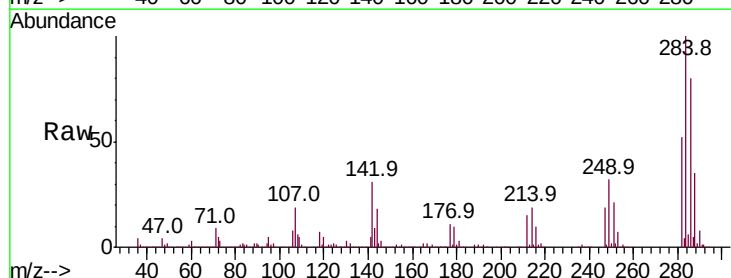
Tgt Ion:284 Resp: 1132422

Ion Ratio Lower Upper

284 100

142 30.7 25.0 37.6

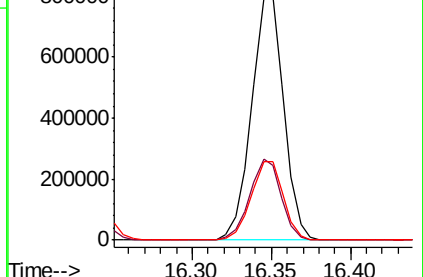
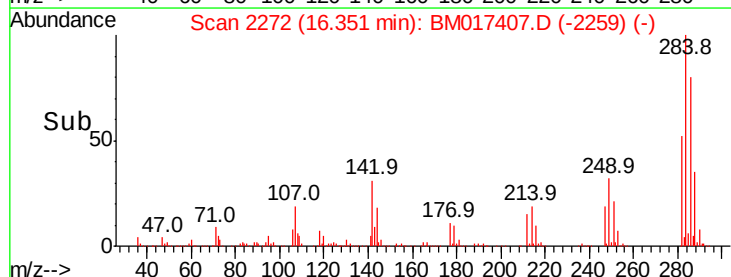
249 32.1 25.5 38.3

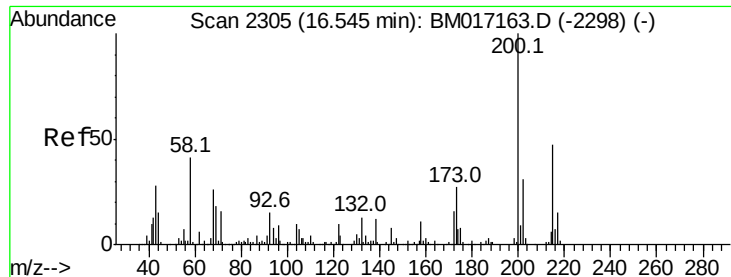


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#69

Atrazine

Concen: 50.814 ng

RT: 16.53 min Scan# 2303

Delta R.T. -0.01 min

Lab File: BM017407.D

Acq: 29 Oct 2018 14:28

Instrument :

BNA\_M

ClientSampleId :

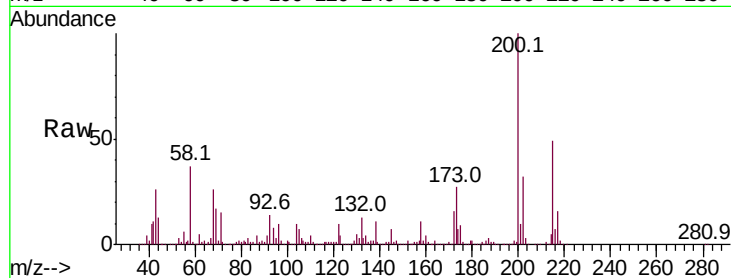
Tot Ion:200 Resp: 1082594

Ion Ratio Lower Upper

200 100

173 26.7 7.0 47.0

215 49.1 27.3 67.3

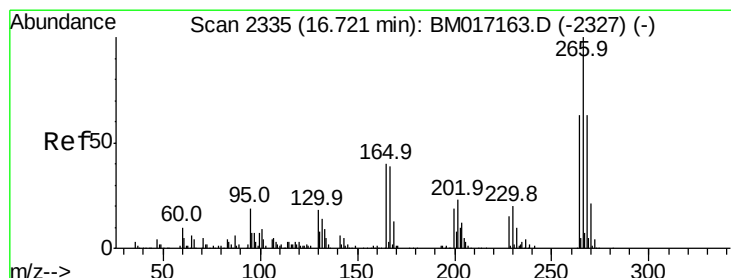
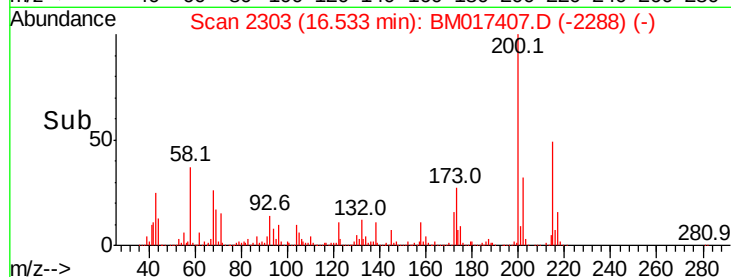
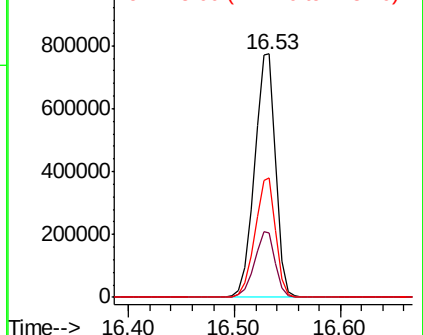


Abundance

Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70

Pentachlorophenol

Concen: 85.723 ng

RT: 16.70 min Scan# 2331

Delta R.T. -0.02 min

Lab File: BM017407.D

Acq: 29 Oct 2018 14:28

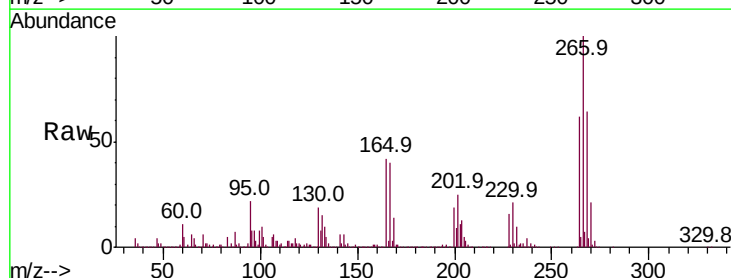
Tgt Ion:266 Resp: 1473627

Ion Ratio Lower Upper

266 100

268 64.0 50.7 76.1

264 62.4 50.4 75.6

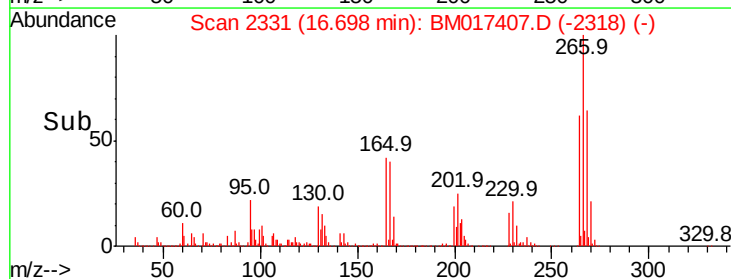
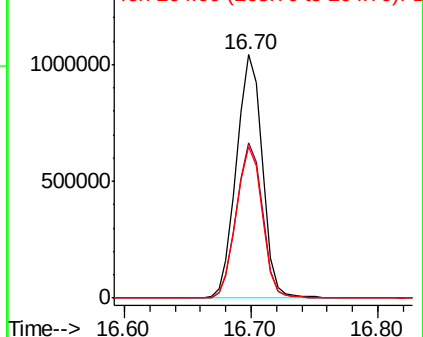


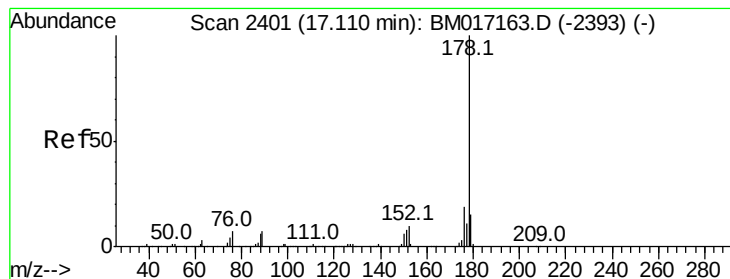
Abundance

Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 48.728 ng

RT: 17.09 min Scan# 2397

Delta R.T. -0.02 min

Lab File: BM017407.D

Acq: 29 Oct 2018 14:28

Instrument :

BNA\_M

ClientSampleId :

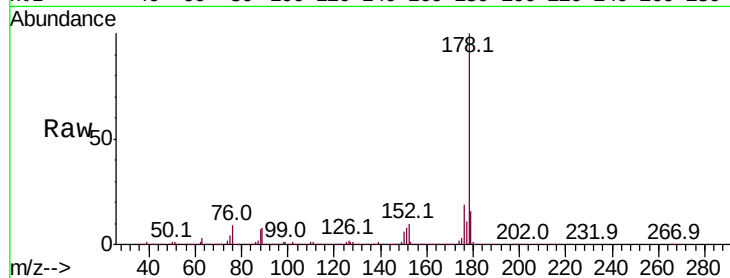
Tot Ion:178 Resp: 5172623

Ion Ratio Lower Upper

178 100

176 18.7 15.0 22.6

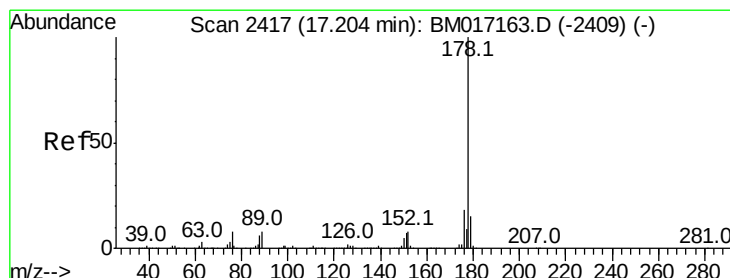
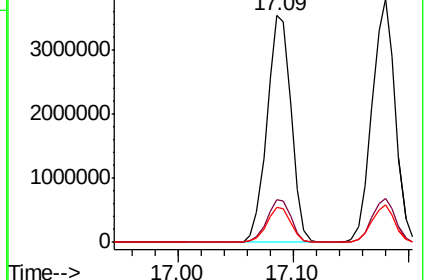
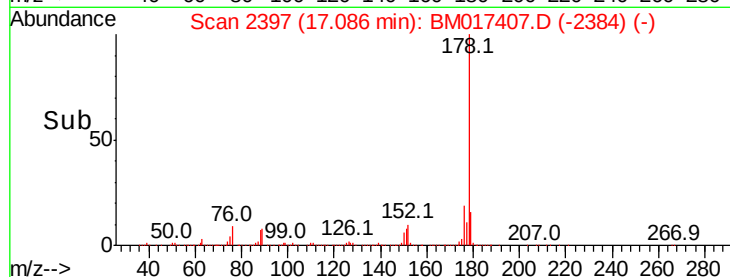
179 15.5 12.3 18.5



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 52.678 ng

RT: 17.18 min Scan# 2413

Delta R.T. -0.02 min

Lab File: BM017407.D

Acq: 29 Oct 2018 14:28

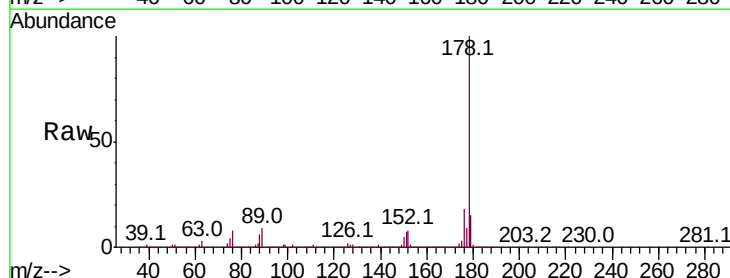
Tgt Ion:178 Resp: 5313362

Ion Ratio Lower Upper

178 100

176 18.1 14.5 21.7

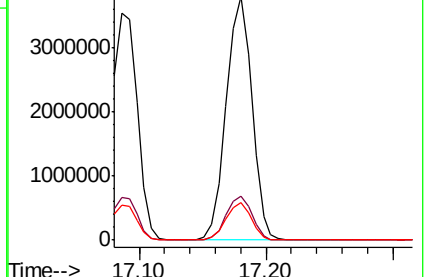
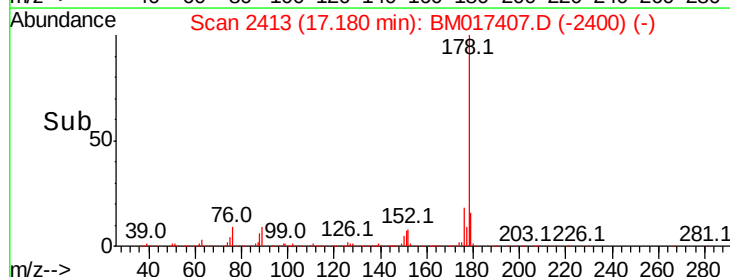
179 15.5 12.2 18.2



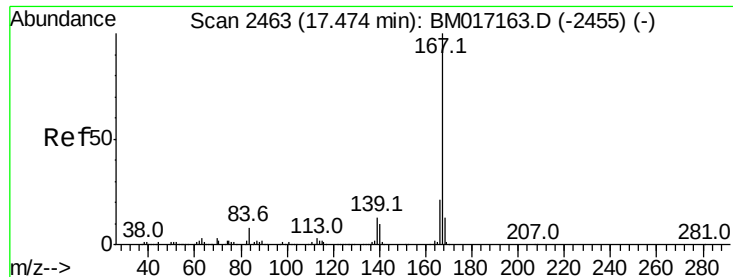
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E







#73

Carbazole

Concen: 48.130 ng

RT: 17.46 min Scan# 2460

Delta R.T. -0.02 min

Lab File: BM017407.D

Acq: 29 Oct 2018 14:28

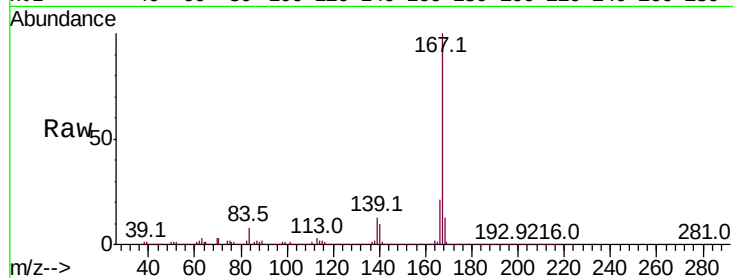
Instrument :

BNA\_M

ClientSampleId :

Tot Ion:167 Resp: 4959074

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 167 | 100   |       |       |
| 166 | 21.5  | 17.1  | 25.7  |
| 139 | 12.6  | 10.1  | 15.1  |

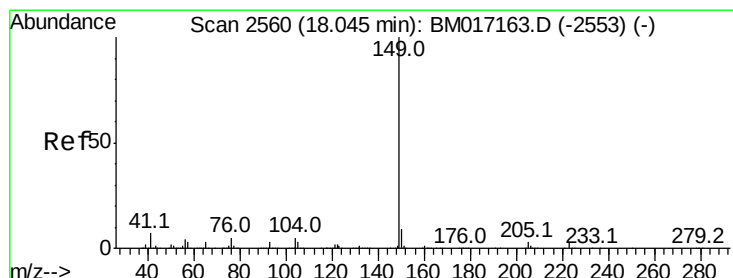
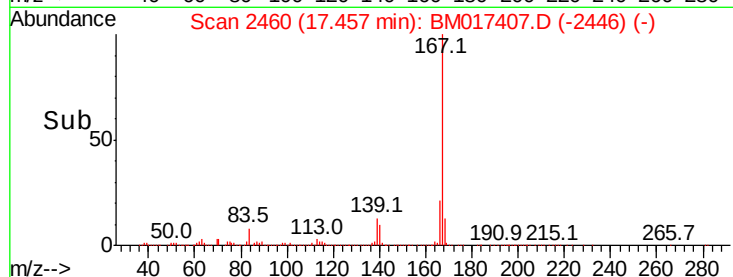
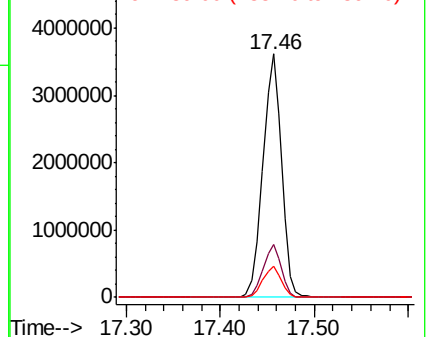


Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 53.775 ng

RT: 18.02 min Scan# 2556

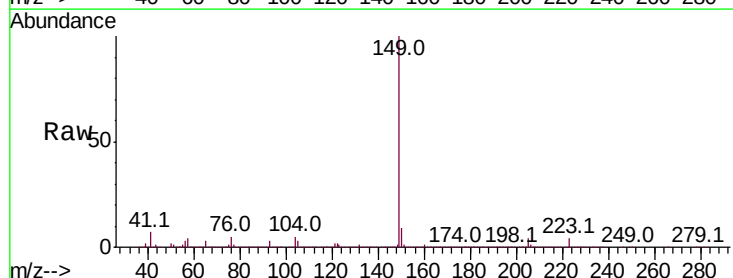
Delta R.T. -0.02 min

Lab File: BM017407.D

Acq: 29 Oct 2018 14:28

Tgt Ion:149 Resp: 5843878

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 150 | 9.3   | 7.4   | 11.0  |
| 104 | 5.0   | 4.3   | 6.5   |

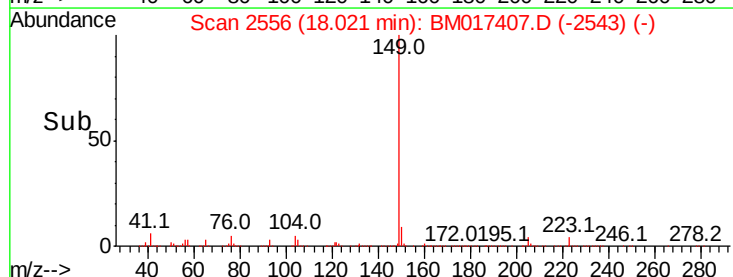
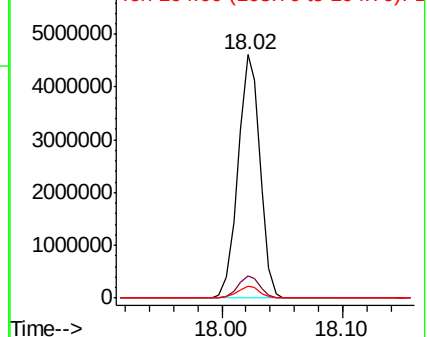


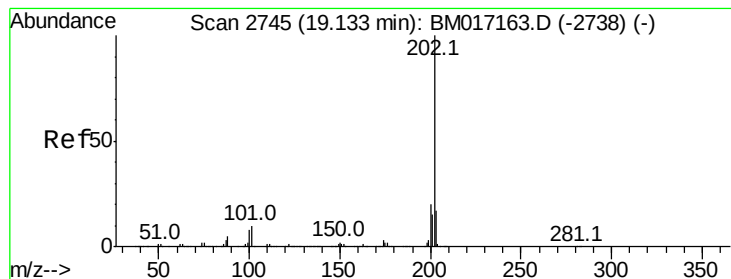
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

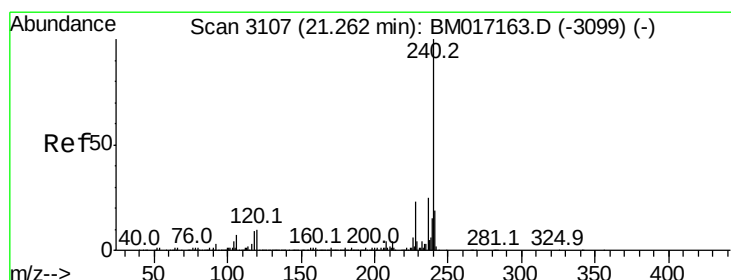
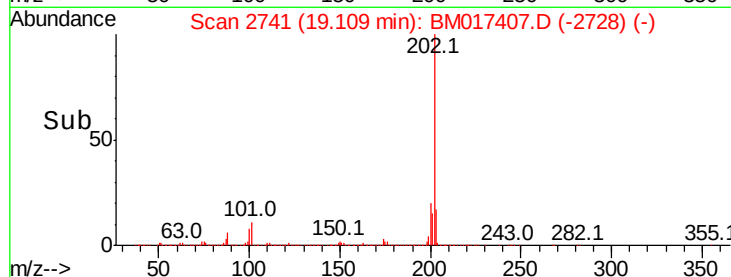
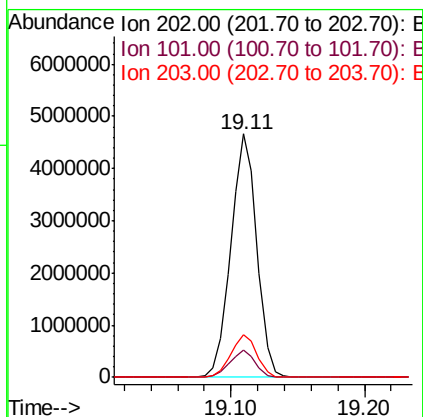
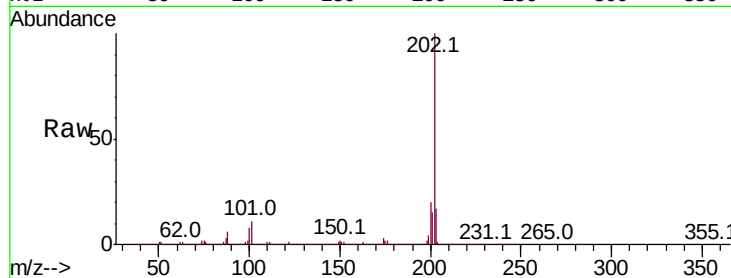




#75  
 Fluoranthene  
 Concen: 52.747 ng  
 RT: 19.11 min Scan# 2741  
 Delta R.T. -0.02 min  
 Lab File: BM017407.D  
 Acq: 29 Oct 2018 14:28

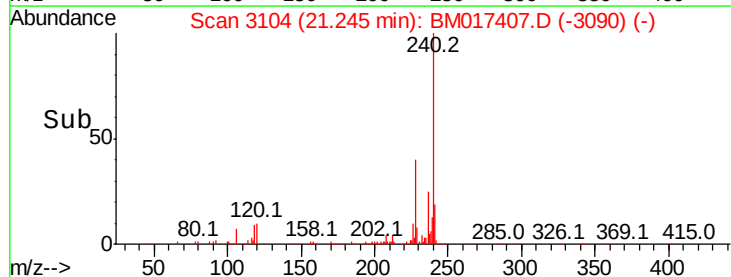
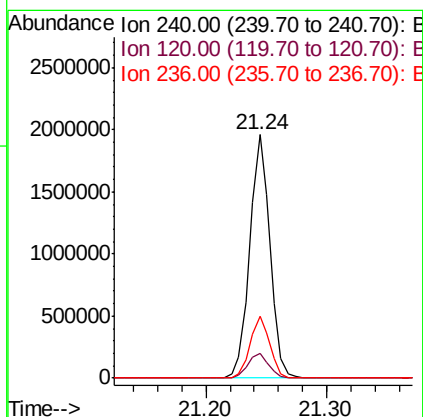
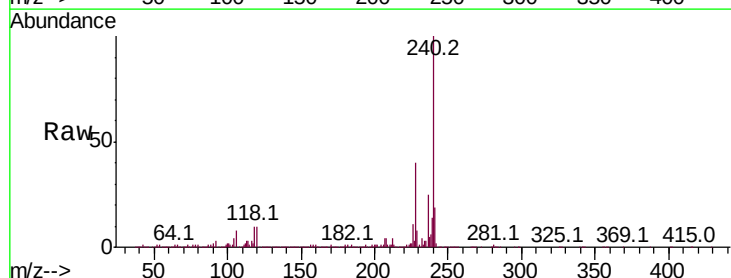
Instrument :  
 BNA\_M  
 ClientSampleId :

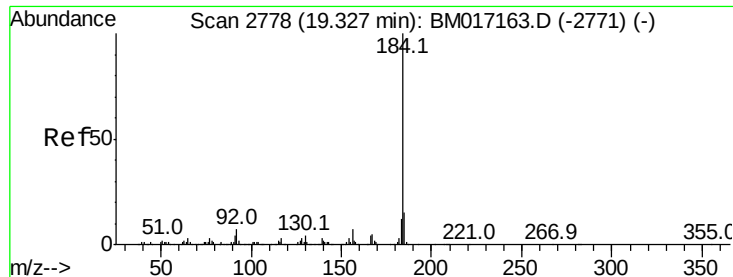
Tot Ion:202 Resp: 6300739  
 Ion Ratio Lower Upper  
 202 100  
 101 11.0 0.0 30.0  
 203 17.3 0.0 37.2



#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 21.24 min Scan# 3104  
 Delta R.T. -0.02 min  
 Lab File: BM017407.D  
 Acq: 29 Oct 2018 14:28

Tgt Ion:240 Resp: 2287108  
 Ion Ratio Lower Upper  
 240 100  
 120 10.2 8.1 12.1  
 236 25.4 19.9 29.9





#77

Benzidine

Concen: 25.262 ng

RT: 19.31 min Scan# 2775

Delta R.T. -0.02 min

Lab File: BM017407.D

Acq: 29 Oct 2018 14:28

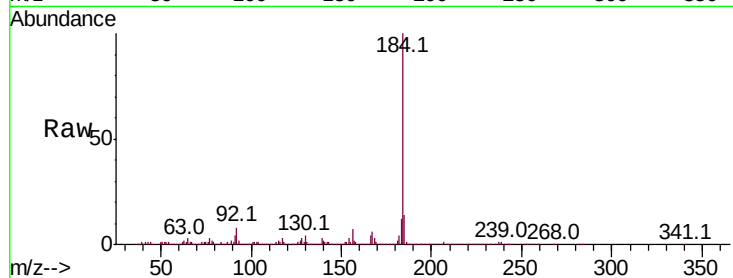
Instrument :

BNA\_M

ClientSampleId :

Tot Ion:184 Resp: 1464994

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 184 | 100   |       |       |
| 185 | 14.1  | 11.8  | 17.8  |
| 183 | 11.8  | 9.7   | 14.5  |

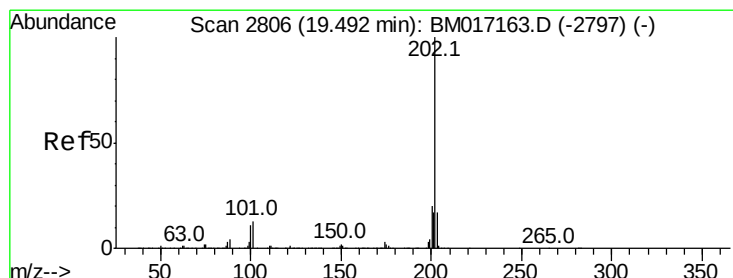
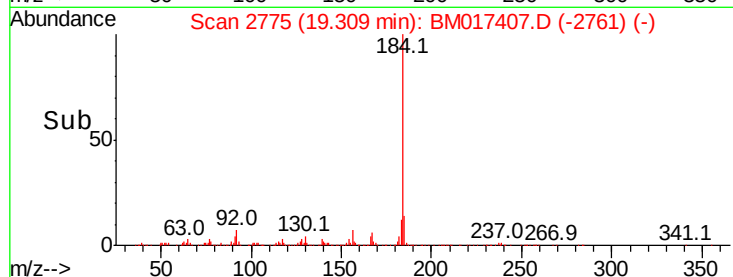
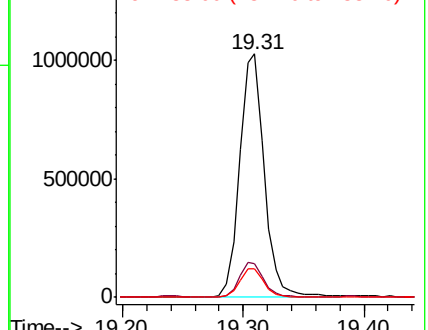


Abundance

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



#78

Pyrene

Concen: 50.012 ng

RT: 19.47 min Scan# 2803

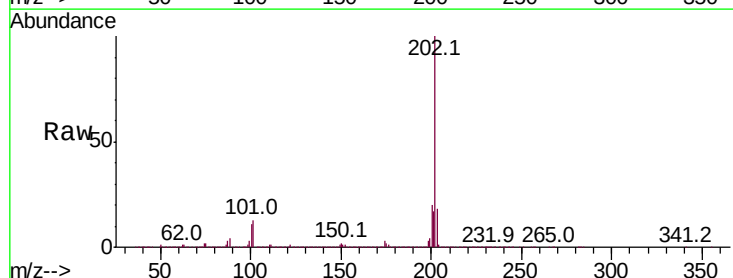
Delta R.T. -0.02 min

Lab File: BM017407.D

Acq: 29 Oct 2018 14:28

Tgt Ion:202 Resp: 6392964

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 200 | 20.5  | 16.3  | 24.5  |
| 203 | 17.7  | 13.9  | 20.9  |

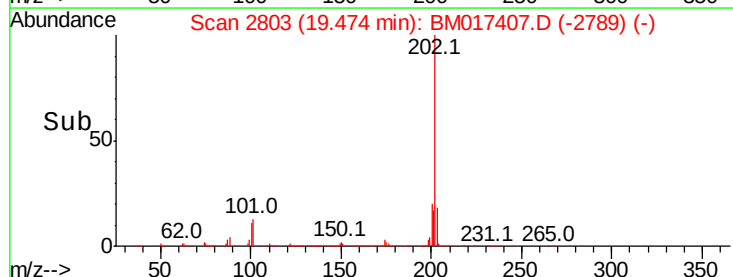
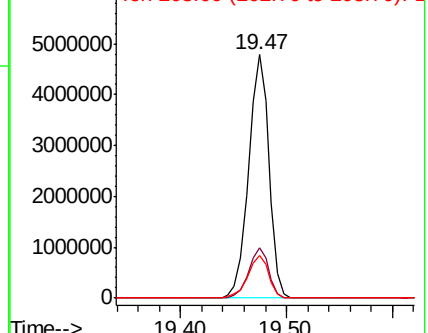


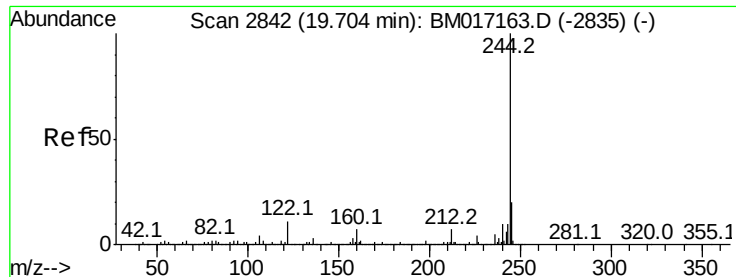
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 75.508 ng

RT: 19.69 min Scan# 2839

Delta R.T. -0.02 min

Lab File: BM017407.D

Acq: 29 Oct 2018 14:28

Instrument :

BNA\_M

ClientSampleId :

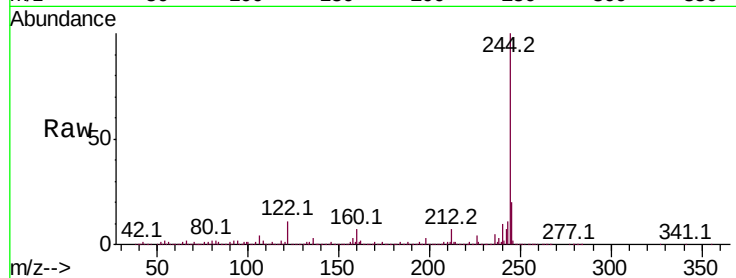
Tot Ion:244 Resp: 7661731

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 7.2   | 5.5   | 8.3   |
| 122 | 10.9  | 8.4   | 12.6  |

244 100

212 7.2 5.5 8.3

122 10.9 8.4 12.6

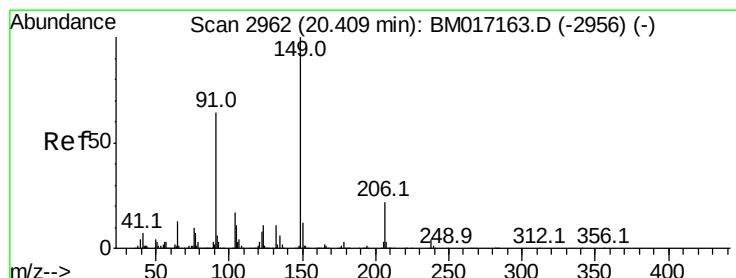
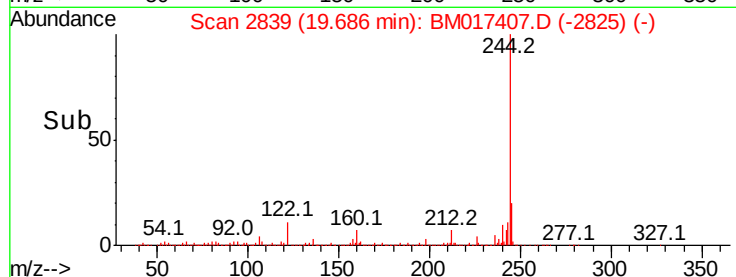
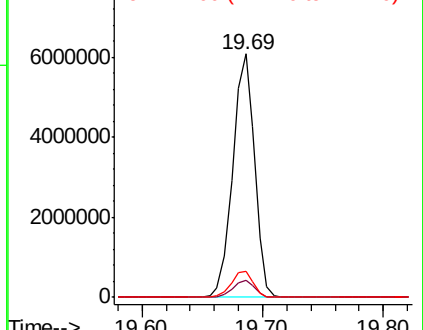


Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 57.585 ng

RT: 20.39 min Scan# 2958

Delta R.T. -0.02 min

Lab File: BM017407.D

Acq: 29 Oct 2018 14:28

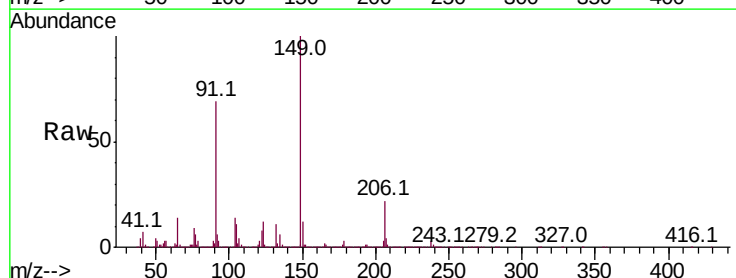
Tgt Ion:149 Resp: 2883024

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 91  | 69.2  | 51.3  | 76.9  |
| 206 | 22.2  | 18.0  | 27.0  |

149 100

91 69.2 51.3 76.9

206 22.2 18.0 27.0

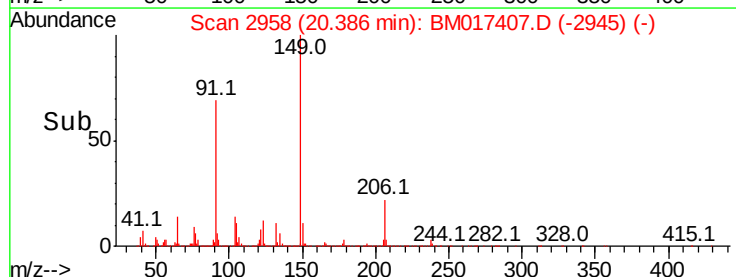
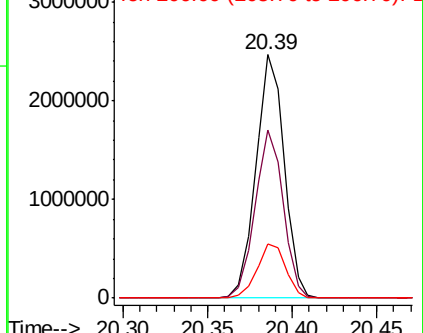


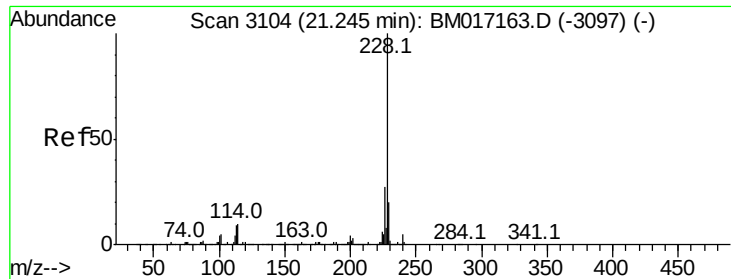
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM0

Ion 206.00 (205.70 to 206.70): E

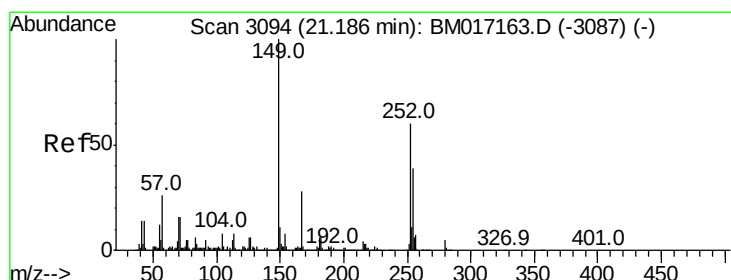
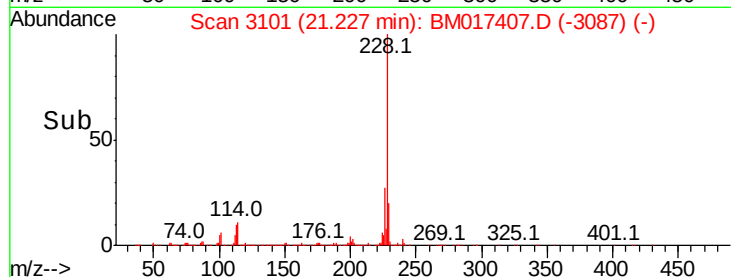
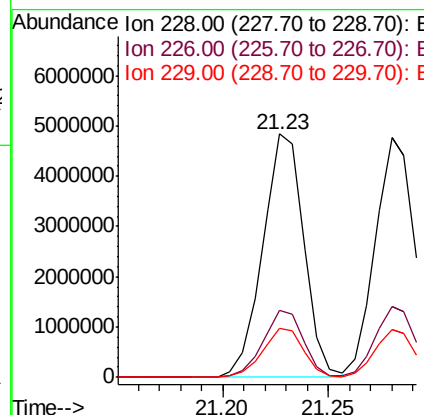
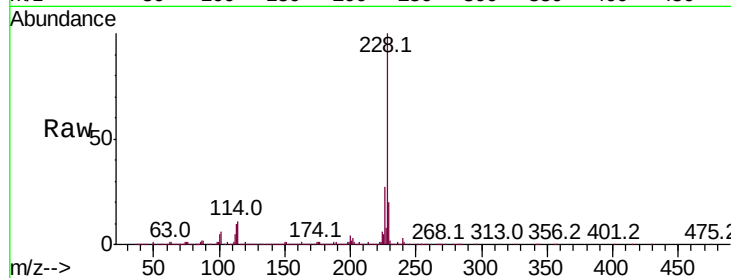




#81  
Benzo(a)anthracene  
Concen: 50.881 ng  
RT: 21.23 min Scan# 3101  
Delta R.T. -0.02 min  
Lab File: BM017407.D  
Acq: 29 Oct 2018 14:28

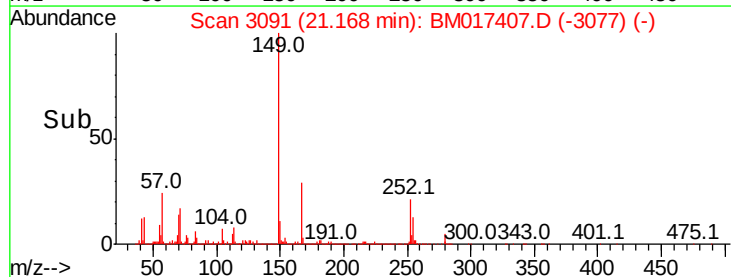
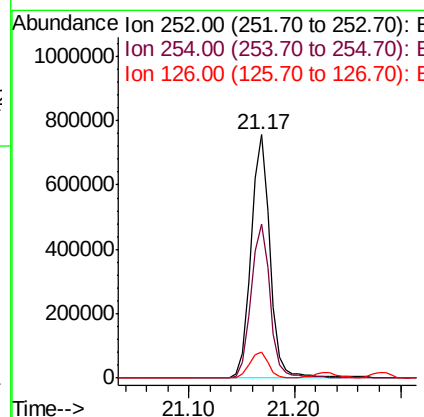
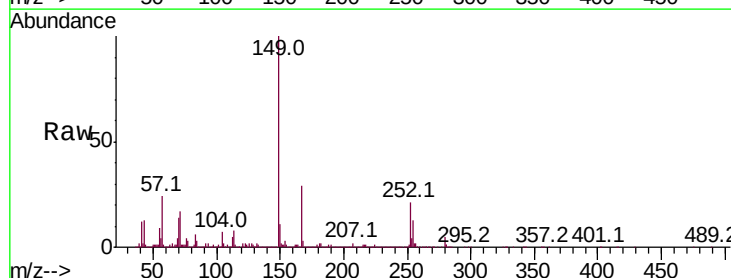
Instrument :  
BNA\_M  
ClientSampleId :

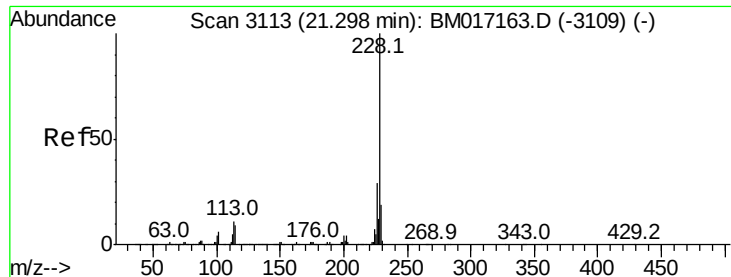
Tot Ion:228 Resp: 6548664  
Ion Ratio Lower Upper  
228 100  
226 27.3 21.4 32.0  
229 19.9 15.9 23.9



#82  
3,3'-Dichlorobenzidine  
Concen: 19.605 ng  
RT: 21.17 min Scan# 3091  
Delta R.T. -0.02 min  
Lab File: BM017407.D  
Acq: 29 Oct 2018 14:28

Tgt Ion:252 Resp: 940404  
Ion Ratio Lower Upper  
252 100  
254 63.3 52.1 78.1  
126 10.7 8.6 12.8





#83

Chrysene

Concen: 48.373 ng

RT: 21.28 min Scan# 3110

Delta R.T. -0.02 min

Lab File: BM017407.D

Acq: 29 Oct 2018 14:28

Instrument :

BNA\_M

ClientSampleId :

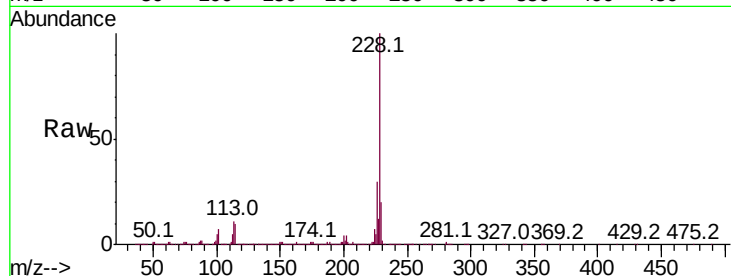
Tot Ion:228 Resp: 6162294

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 29.7  | 23.3  | 34.9  |
| 229 | 20.0  | 15.6  | 23.4  |

228 100

226 29.7 23.3 34.9

229 20.0 15.6 23.4

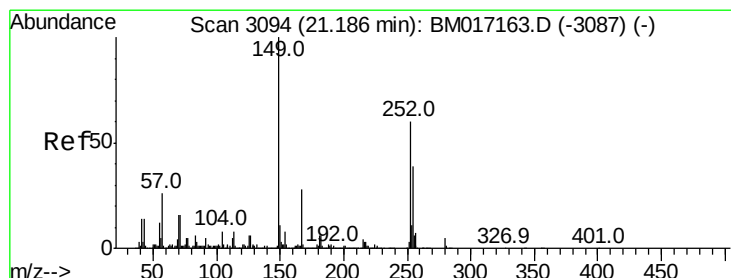
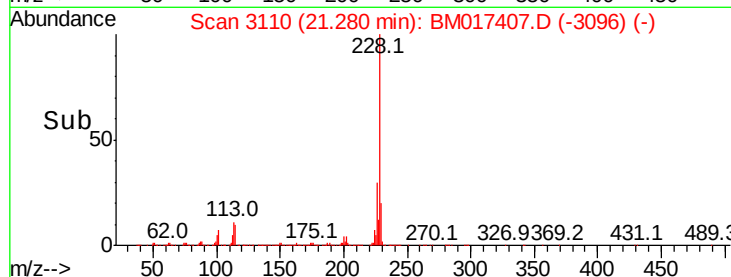
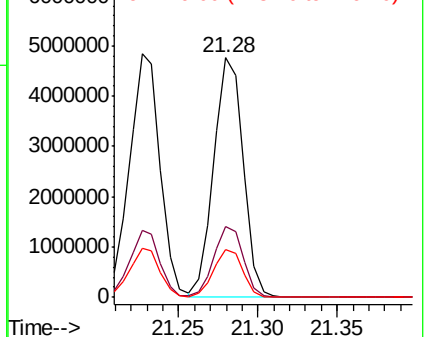


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 54.665 ng

RT: 21.17 min Scan# 3091

Delta R.T. -0.02 min

Lab File: BM017407.D

Acq: 29 Oct 2018 14:28

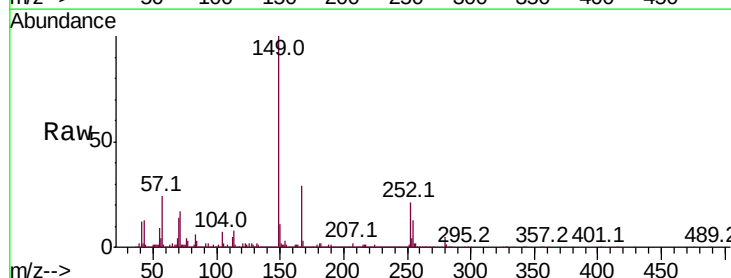
Tgt Ion:149 Resp: 4130044

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 29.2  | 22.2  | 33.4  |
| 279 | 5.3   | 3.6   | 5.4   |

149 100

167 29.2 22.2 33.4

279 5.3 3.6 5.4

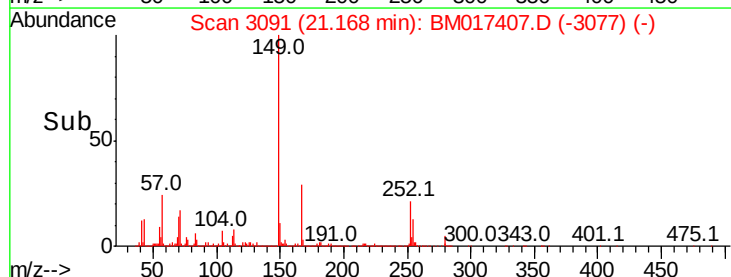
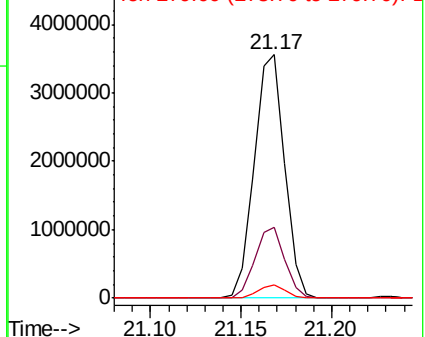


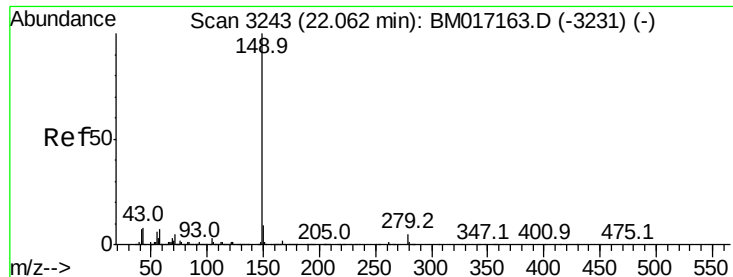
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 56.365 ng

RT: 22.04 min Scan# 3239

Delta R.T. -0.02 min

Lab File: BM017407.D

Acq: 29 Oct 2018 14:28

Instrument :

BNA\_M

ClientSampleId :

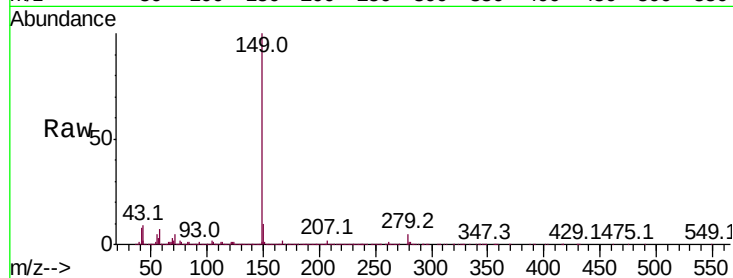
Tot Ion:149 Resp: 7245077

Ion Ratio Lower Upper

149 100

167 1.6 1.4 2.0

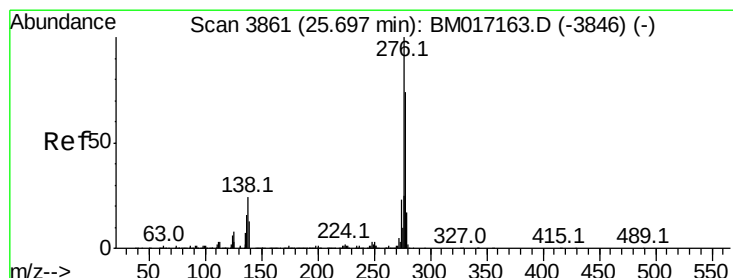
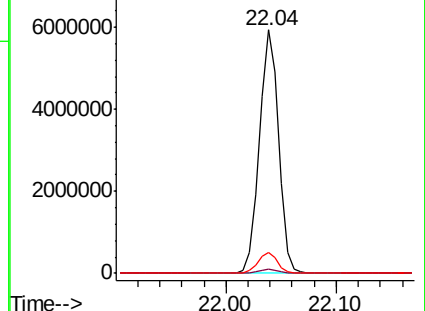
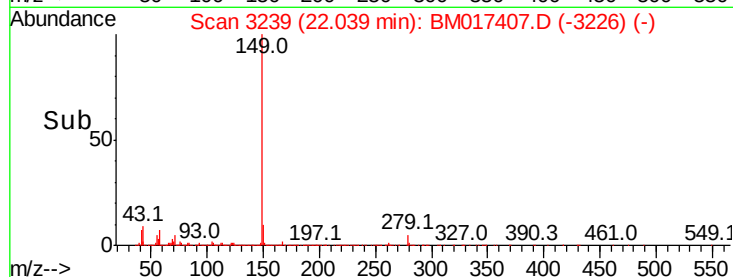
43 8.7 7.2 10.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BM



#86

Indeno(1,2,3-cd)pyrene

Concen: 39.887 ng

RT: 25.66 min Scan# 3855

Delta R.T. -0.04 min

Lab File: BM017407.D

Acq: 29 Oct 2018 14:28

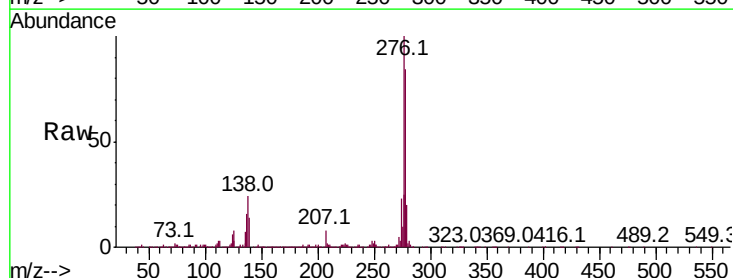
Tgt Ion:276 Resp: 5683285

Ion Ratio Lower Upper

276 100

138 23.8 19.5 29.3

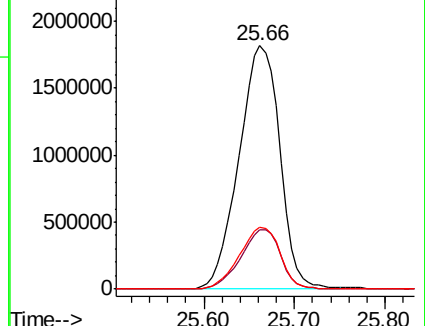
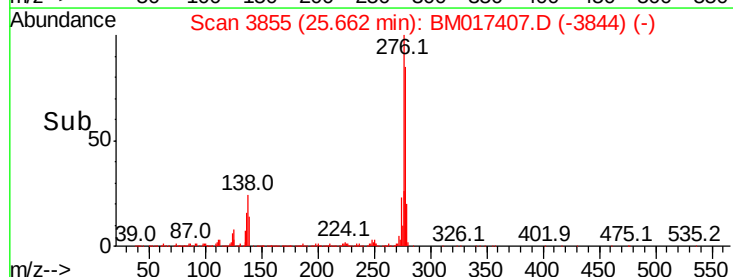
277 25.3 20.1 30.1

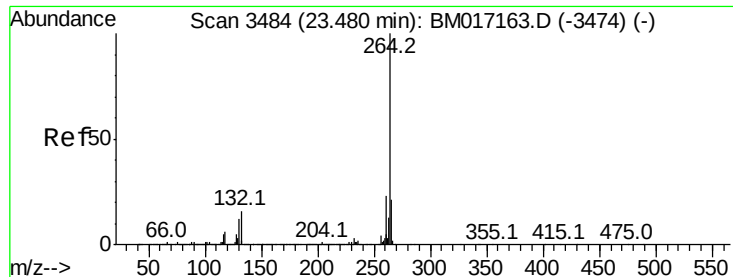


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



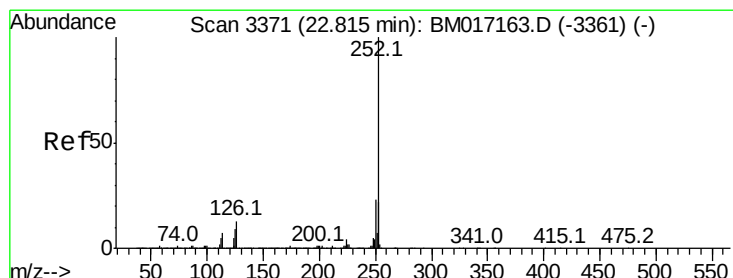
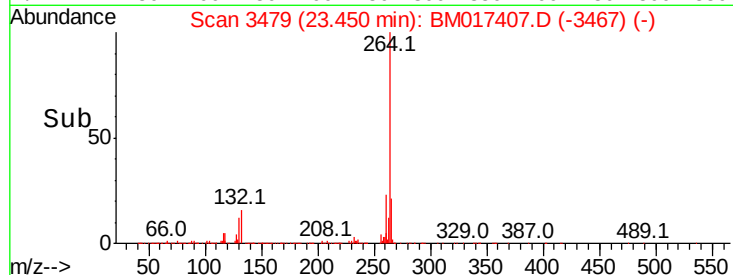
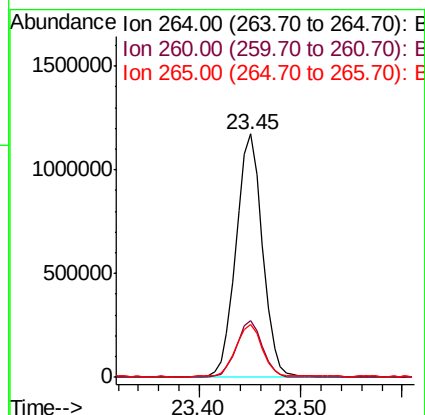
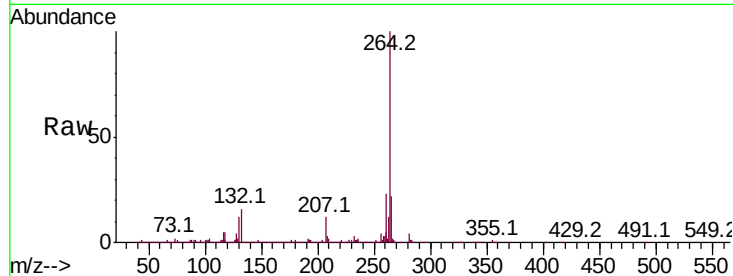


#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 23.45 min Scan# 3479  
Delta R.T. -0.03 min  
Lab File: BM017407.D  
Acq: 29 Oct 2018 14:28

Instrument :  
BNA\_M  
ClientSampleId :

Tot Ion:264 Resp: 2129453  

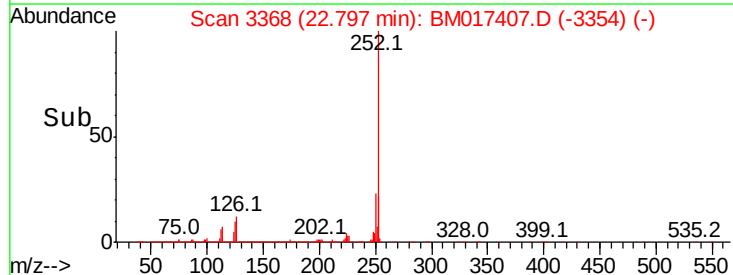
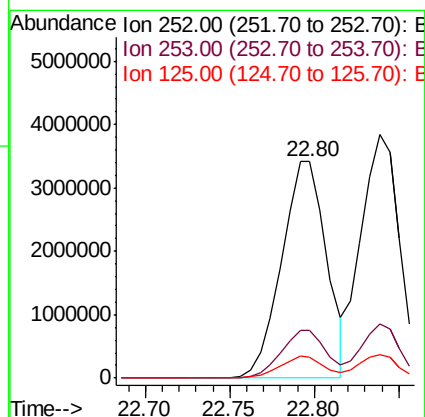
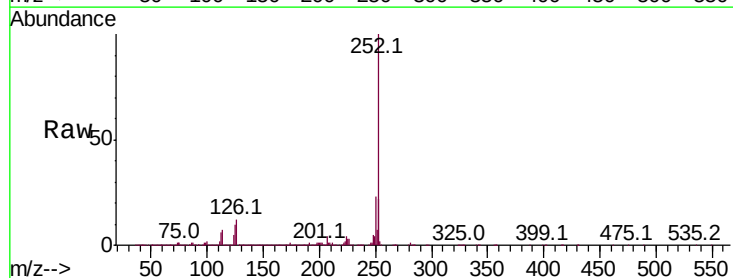
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.3  | 18.6  | 27.8  |
| 265 | 21.6  | 17.8  | 26.8  |



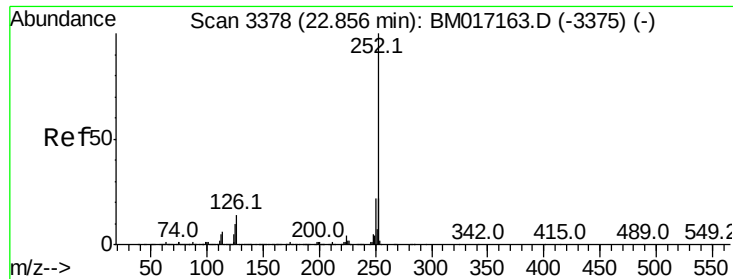
#88  
Benzo(b)fluoranthene  
Concen: 54.131 ng  
RT: 22.80 min Scan# 3368  
Delta R.T. -0.02 min  
Lab File: BM017407.D  
Acq: 29 Oct 2018 14:28

Tgt Ion:252 Resp: 6302138  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 22.2  | 17.4  | 26.2  |
| 125 | 9.6   | 7.5   | 11.3  |







#89

Benzo(k)fluoranthene

Concen: 52.114 ng

RT: 22.84 min Scan# 3375

Delta R.T. -0.02 min

Lab File: BM017407.D

Acq: 29 Oct 2018 14:28

Instrument :

BNA\_M

ClientSampled :

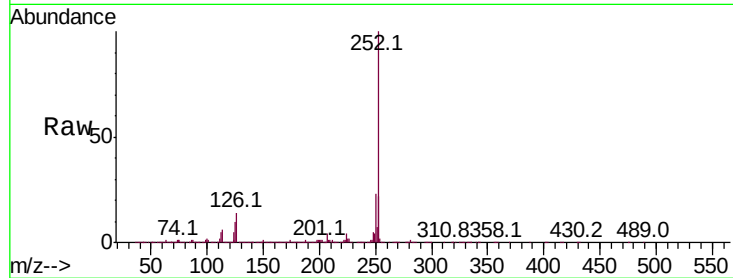
Tot Ion:252 Resp: 6088150

Ion Ratio Lower Upper

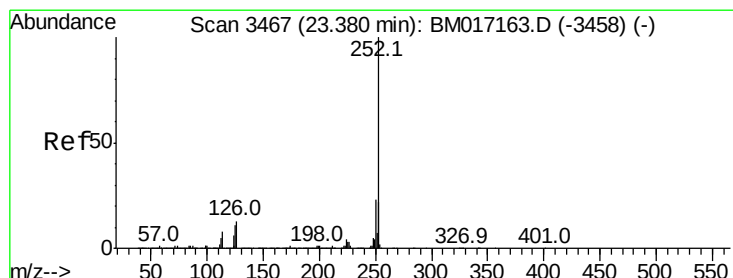
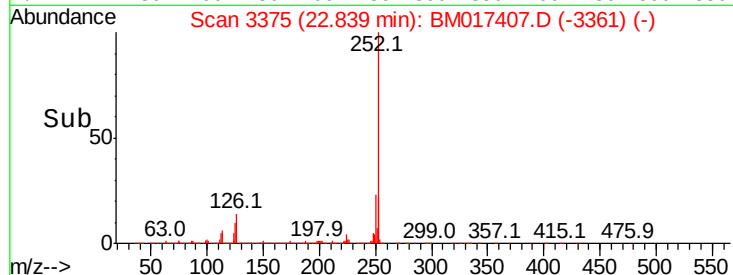
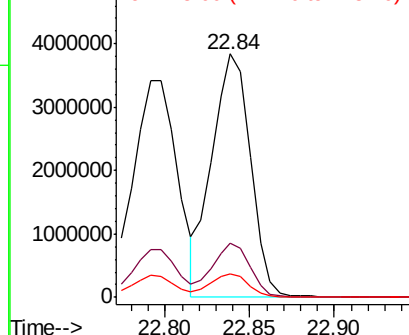
252 100

253 22.3 17.5 26.3

125 9.9 8.2 12.2



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



#90

Benzo(a)pyrene

Concen: 52.265 ng

RT: 23.36 min Scan# 3463

Delta R.T. -0.02 min

Lab File: BM017407.D

Acq: 29 Oct 2018 14:28

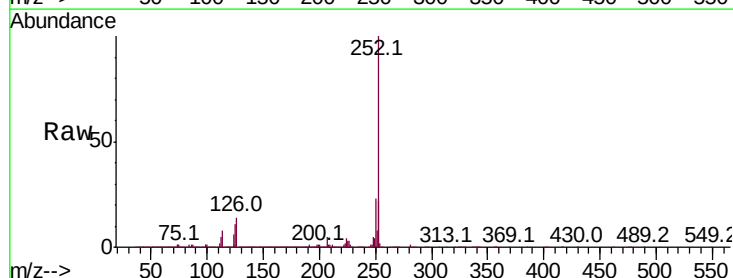
Tgt Ion:252 Resp: 5777442

Ion Ratio Lower Upper

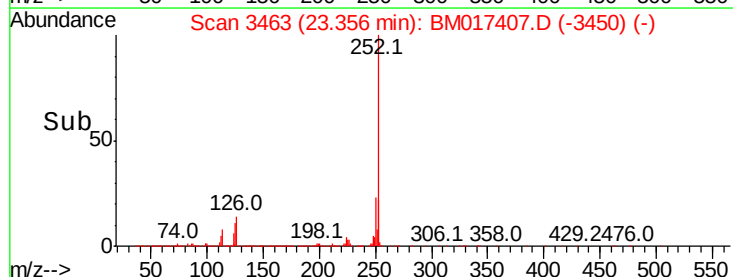
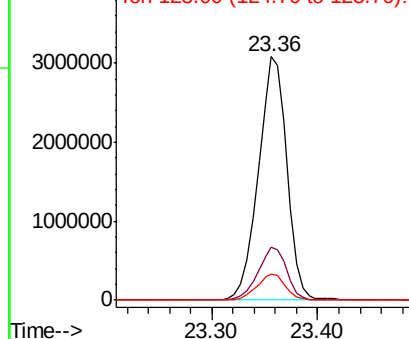
252 100

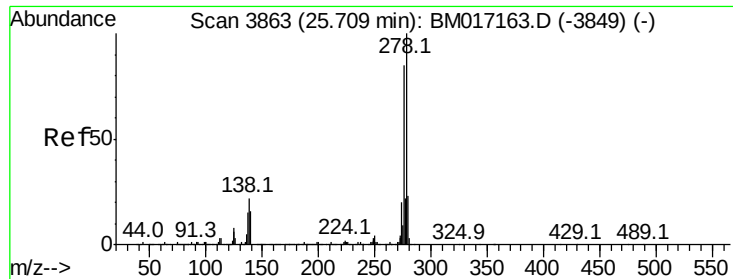
253 21.8 17.4 26.0

125 10.8 8.6 13.0



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





#91

Dibenzo(a,h)anthracene

Concen: 44.485 ng

RT: 25.67 min Scan# 3857

Delta R.T. -0.04 min

Lab File: BM017407.D

Acq: 29 Oct 2018 14:28

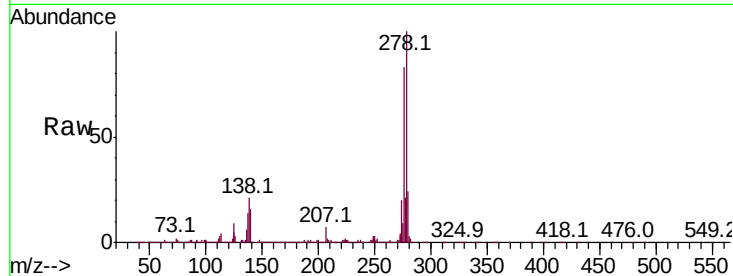
Instrument :

BNA\_M

ClientSampleId :

Tot Ion:278 Resp: 4882870

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 278 | 100   |       |       |
| 139 | 15.6  | 12.7  | 19.1  |
| 279 | 23.5  | 18.7  | 28.1  |

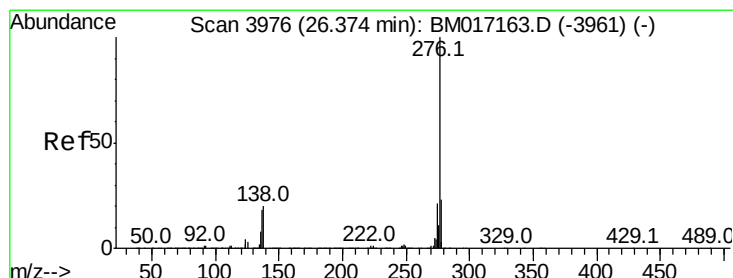
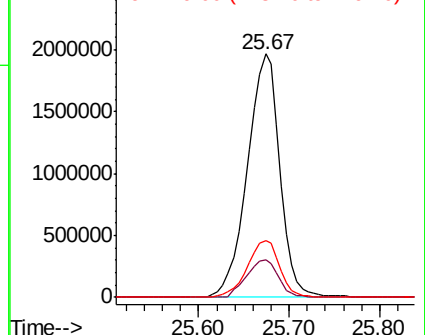
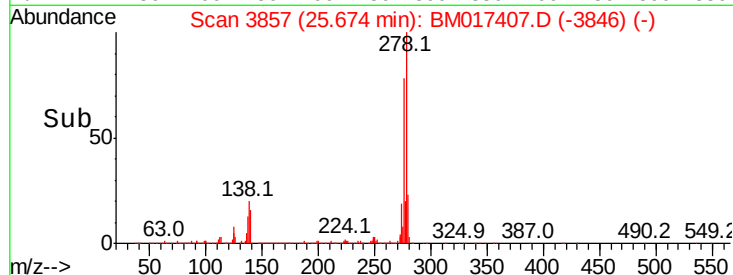


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 41.823 ng

RT: 26.33 min Scan# 3969

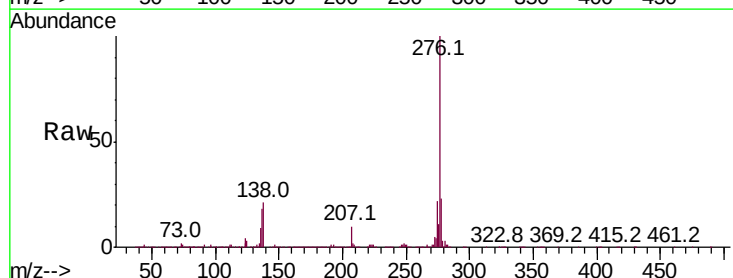
Delta R.T. -0.04 min

Lab File: BM017407.D

Acq: 29 Oct 2018 14:28

Tgt Ion:276 Resp: 4549944

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 277 | 23.2  | 18.6  | 28.0  |
| 138 | 20.8  | 16.4  | 24.6  |



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

