

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM031219\  
 Data File : BM019110.D  
 Acq On : 12 Mar 2019 14:03  
 Operator : JU/SJ  
 Sample : PB117788BS  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB117788BS

Quant Time: Mar 13 03:52:12 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM031119.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 11 17:30:46 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.66  | 152  | 202494   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.45 | 136  | 891958   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 14.32 | 164  | 545000   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 17.07 | 188  | 1204363  | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.27 | 240  | 1287770  | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 23.51 | 264  | 1189546  | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.26  | 112 | 1831639 | 146.49 | ng | 0.00 |
| 7) Phenol-d6             | 6.85  | 99  | 2624497 | 143.50 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 8.83  | 82  | 1437680 | 76.19  | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.82 | 330 | 1105369 | 137.37 | ng | 0.00 |
| 45) 2-Fluorobiphenyl     | 12.93 | 172 | 3106588 | 74.15  | ng | 0.00 |
| 79) Terphenyl-d14        | 19.71 | 244 | 5015542 | 77.32  | ng | 0.00 |

## Target Compounds

|                                |       |     |         |        |    | Qvalue |
|--------------------------------|-------|-----|---------|--------|----|--------|
| 2) 1,4-Dioxane                 | 3.22  | 88  | 201154  | 36.164 | ng | 98     |
| 3) Pyridine                    | 3.62  | 79  | 533701  | 35.268 | ng | 99     |
| 4) n-Nitrosodimethylamine      | 3.54  | 42  | 175842  | 37.377 | ng | 93     |
| 6) Aniline                     | 7.01  | 93  | 755232  | 31.984 | ng | 99     |
| 8) 2-Chlorophenol              | 7.23  | 128 | 635533  | 42.297 | ng | 98     |
| 9) Benzaldehyde                | 6.83  | 77  | 348247  | 30.272 | ng | 99     |
| 10) Phenol                     | 6.87  | 94  | 879040  | 44.597 | ng | 100    |
| 11) bis(2-Chloroethyl)ether    | 7.10  | 93  | 573190  | 38.110 | ng | 99     |
| 12) 1,3-Dichlorobenzene        | 7.55  | 146 | 598689  | 37.651 | ng | 99     |
| 13) 1,4-Dichlorobenzene        | 7.70  | 146 | 608158  | 37.515 | ng | 100    |
| 14) 1,2-Dichlorobenzene        | 8.01  | 146 | 592624  | 37.574 | ng | 99     |
| 15) Benzyl Alcohol             | 7.92  | 79  | 621027  | 41.028 | ng | 100    |
| 16) 2,2'-oxybis(1-Chloropropan | 8.19  | 45  | 581564  | 37.869 | ng | 98     |
| 17) 2-Methylphenol             | 8.11  | 107 | 564999  | 43.988 | ng | 100    |
| 18) Hexachloroethane           | 8.72  | 117 | 228317  | 37.902 | ng | 97     |
| 19) n-Nitroso-di-n-propylamine | 8.47  | 70  | 560065  | 37.326 | ng | 100    |
| 20) 3+4-Methylphenols          | 8.44  | 107 | 776059  | 44.512 | ng | 100    |
| 22) Acetophenone               | 8.49  | 105 | 914801  | 37.112 | ng | # 99   |
| 24) Nitrobenzene               | 8.87  | 77  | 782848  | 39.892 | ng | 99     |
| 25) Isophorone                 | 9.39  | 82  | 1431045 | 39.745 | ng | 100    |
| 26) 2-Nitrophenol              | 9.58  | 139 | 331145  | 40.709 | ng | 98     |
| 27) 2,4-Dimethylphenol         | 9.63  | 122 | 611995  | 50.607 | ng | 99     |
| 28) bis(2-Chloroethoxy)methane | 9.87  | 93  | 860317  | 40.353 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 10.10 | 162 | 627258  | 46.833 | ng | 99     |
| 30) 1,2,4-Trichlorobenzene     | 10.31 | 180 | 592736  | 39.248 | ng | 99     |
| 31) Naphthalene                | 10.50 | 128 | 1859321 | 39.549 | ng | 100    |
| 32) Benzoic acid               | 9.80  | 122 | 387240  | 37.810 | ng | 98     |
| 33) 4-Chloroaniline            | 10.63 | 127 | 416322  | 21.603 | ng | 99     |
| 34) Hexachlorobutadiene        | 10.76 | 225 | 322539  | 37.216 | ng | 99     |
| 35) Caprolactam                | 11.45 | 113 | 92056   | 19.295 | ng | 94     |
| 36) 4-Chloro-3-methylphenol    | 11.75 | 107 | 721592  | 43.664 | ng | 99     |
| 37) 2-Methylnaphthalene        | 12.12 | 142 | 1400267 | 40.988 | ng | 99     |
| 38) 1-Methylnaphthalene        | 12.34 | 142 | 1343888 | 39.910 | ng | 98     |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.49 | 216 | 659231  | 38.239 | ng | 99     |

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 Acq On : 12 Mar 2019 14:03  
 Operator : JU/SJ  
 Sample : PB117788BS  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

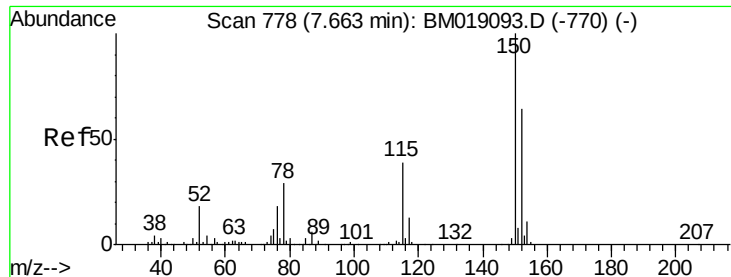
Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB117788BS

Quant Time: Mar 13 03:52:12 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM031119.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 11 17:30:46 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 12.45 | 237  | 782925   | 100.260 | ng    | 98       |
| 43) 2,4,6-Trichlorophenol      | 12.74 | 196  | 496771   | 44.589  | ng    | 97       |
| 44) 2,4,5-Trichlorophenol      | 12.81 | 196  | 522088   | 43.823  | ng    | 98       |
| 46) 1,1'-Biphenyl              | 13.15 | 154  | 1828752  | 38.423  | ng    | 99       |
| 47) 2-Chloronaphthalene        | 13.19 | 162  | 1414783  | 39.823  | ng    | 100      |
| 48) 2-Nitroaniline             | 13.42 | 65   | 498581   | 41.846  | ng    | 98       |
| 49) Acenaphthylene             | 14.04 | 152  | 2327181  | 38.741  | ng    | 100      |
| 50) Dimethylphthalate          | 13.79 | 163  | 1871258  | 40.137  | ng    | 99       |
| 51) 2,6-Dinitrotoluene         | 13.92 | 165  | 410090   | 40.690  | ng    | 99       |
| 52) Acenaphthene               | 14.39 | 154  | 1347478  | 39.038  | ng    | 99       |
| 53) 3-Nitroaniline             | 14.25 | 138  | 286810   | 26.869  | ng    | 99       |
| 54) 2,4-Dinitrophenol          | 14.46 | 184  | 510679   | 87.251  | ng    | 98       |
| 55) Dibenzofuran               | 14.72 | 168  | 2205537  | 39.621  | ng    | 99       |
| 56) 4-Nitrophenol              | 14.57 | 139  | 717136   | 82.286  | ng    | 98       |
| 57) 2,4-Dinitrotoluene         | 14.71 | 165  | 574825   | 39.292  | ng    | 99       |
| 58) Fluorene                   | 15.37 | 166  | 1803444  | 39.305  | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol  | 14.95 | 232  | 470501   | 42.422  | ng    | 99       |
| 60) Diethylphthalate           | 15.15 | 149  | 1909377  | 40.437  | ng    | 99       |
| 61) 4-Chlorophenyl-phenylether | 15.37 | 204  | 896708   | 40.238  | ng    | 99       |
| 62) 4-Nitroaniline             | 15.42 | 138  | 398180   | 37.015  | ng    | 99       |
| 63) Azobenzene                 | 15.66 | 77   | 2050689  | 41.272  | ng    | 99       |
| 65) 4,6-Dinitro-2-methylphenol | 15.47 | 198  | 312613   | 39.611  | ng    | 99       |
| 66) n-Nitrosodiphenylamine     | 15.59 | 169  | 1583466  | 41.298  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether  | 16.26 | 248  | 527454   | 39.715  | ng    | 99       |
| 68) Hexachlorobenzene          | 16.37 | 284  | 628566   | 39.808  | ng    | 99       |
| 69) Atrazine                   | 16.55 | 200  | 539751   | 41.818  | ng    | 99       |
| 70) Pentachlorophenol          | 16.72 | 266  | 788621   | 82.898  | ng    | 99       |
| 71) Phenanthrene               | 17.12 | 178  | 2767451  | 39.203  | ng    | 100      |
| 72) Anthracene                 | 17.20 | 178  | 2819500  | 40.799  | ng    | 99       |
| 73) Carbazole                  | 17.49 | 167  | 2601244  | 39.881  | ng    | 99       |
| 74) Di-n-butylphthalate        | 18.04 | 149  | 3265673  | 41.404  | ng    | 100      |
| 75) Fluoranthene               | 19.14 | 202  | 3159233  | 39.002  | ng    | 100      |
| 77) Benzidine                  | 19.34 | 184  | 1593972  | 43.644  | ng    | 99       |
| 78) Pyrene                     | 19.50 | 202  | 3246336  | 39.843  | ng    | 99       |
| 80) Butylbenzylphthalate       | 20.41 | 149  | 1572159  | 44.300  | ng    | 99       |
| 81) Benzo(a)anthracene         | 21.26 | 228  | 3114402  | 38.549  | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine     | 21.20 | 252  | 932640   | 29.966  | ng    | 99       |
| 83) Chrysene                   | 21.31 | 228  | 3060099  | 39.152  | ng    | 100      |
| 84) Bis(2-ethylhexyl)phthalate | 21.17 | 149  | 2302286  | 44.592  | ng    | 100      |
| 85) Di-n-octyl phthalate       | 22.06 | 149  | 3925500  | 45.152  | ng    | 100      |
| 86) Indeno(1,2,3-cd)pyrene     | 25.78 | 276  | 3325731  | 39.528  | ng    | 100      |
| 88) Benzo(b)fluoranthene       | 22.84 | 252  | 3220249  | 41.778  | ng    | 100      |
| 89) Benzo(k)fluoranthene       | 22.88 | 252  | 3224173  | 45.477  | ng    | 99       |
| 90) Benzo(a)pyrene             | 23.41 | 252  | 3069565  | 44.314  | ng    | 100      |
| 91) Dibenzo(a,h)anthracene     | 25.79 | 278  | 2858879  | 43.145  | ng    | 100      |
| 92) Benzo(g,h,i)perylene       | 26.48 | 276  | 2606088  | 42.838  | ng    | 100      |

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



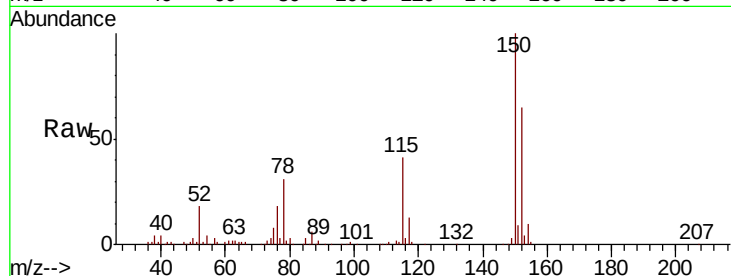


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.66 min Scan# 778  
Delta R.T. -0.00 min  
Lab File: BM019110.D  
Acq: 12 Mar 2019 14:03

Instrument :  
BNA\_M  
ClientSampled :  
PB117788BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 155.0 | 125.3 | 187.9 |
| 115     | 64.3  | 49.4  | 74.0  |

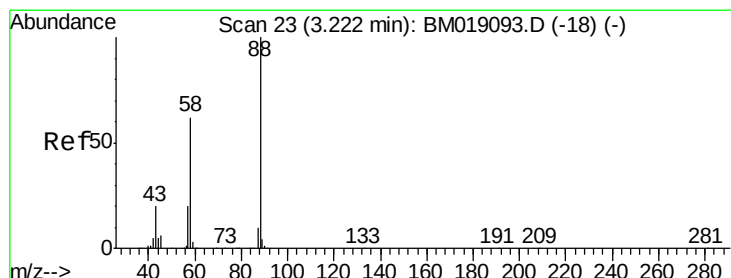
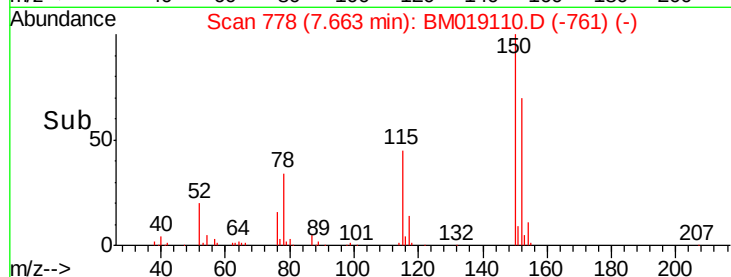
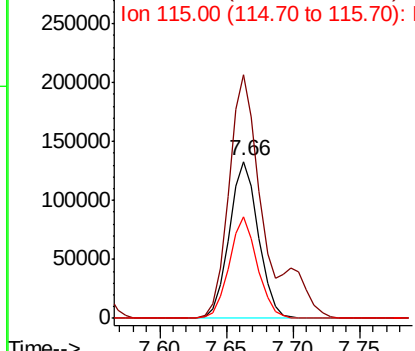


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

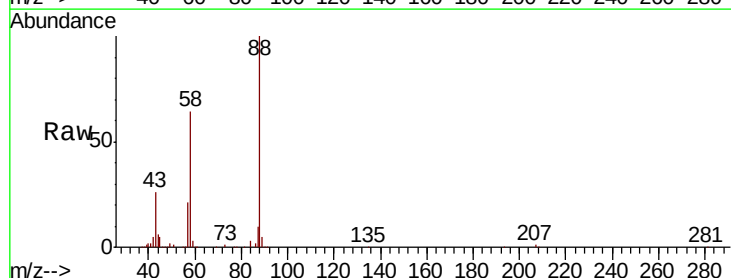
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane  
Concen: 36.164 ng  
RT: 3.22 min Scan# 23  
Delta R.T. -0.00 min  
Lab File: BM019110.D  
Acq: 12 Mar 2019 14:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 63.5  | 50.0  | 75.0  |
| 43      | 22.4  | 17.0  | 25.4  |

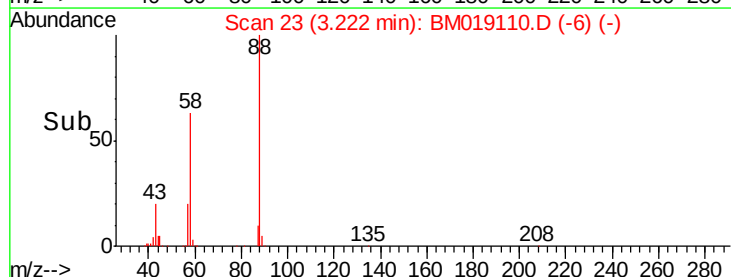
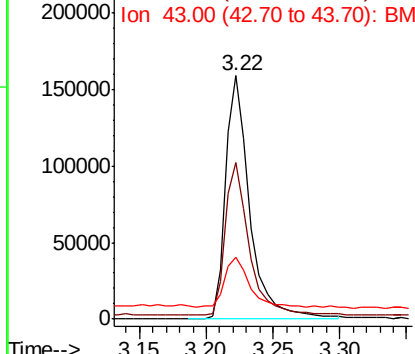


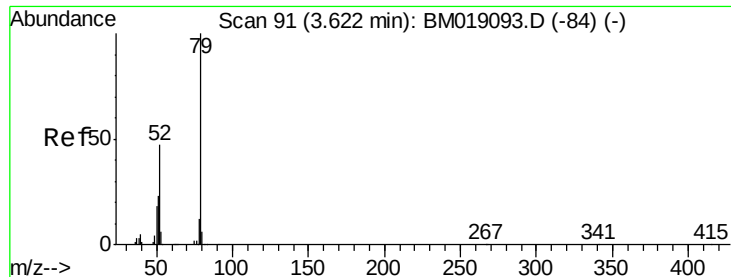
Abundance

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: 35.268 ng

RT: 3.62 min Scan# 90

Delta R.T. -0.01 min

Lab File: BM019110.D

Acq: 12 Mar 2019 14:03

Instrument :

BNA\_M

ClientSampleId :

PB117788BS

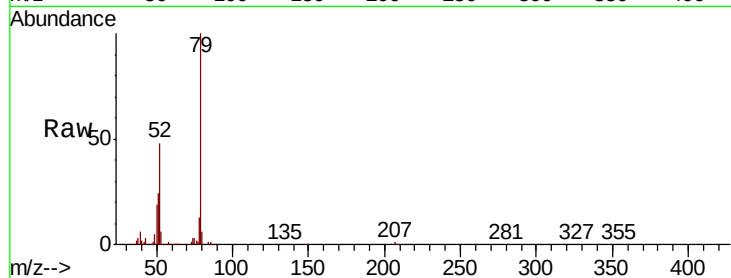
Tot Ion: 79 Resp: 533701

Ion Ratio Lower Upper

79 100

52 47.5 37.5 56.3

51 24.0 19.2 28.8



Abundance Ion 79.00 (78.70 to 79.70): BM019093.D (-84) (-)

Ion 52.00 (51.70 to 52.70): BM019093.D (-84) (-)

Ion 51.00 (50.70 to 51.70): BM019093.D (-84) (-)

3.62

300000

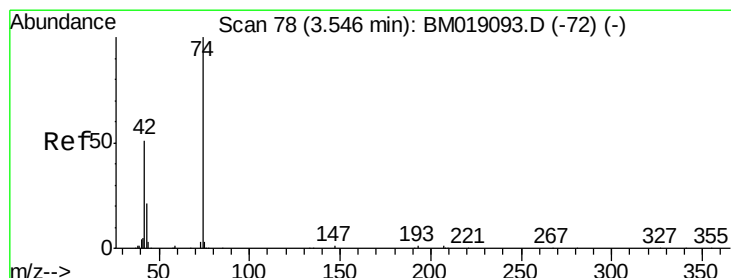
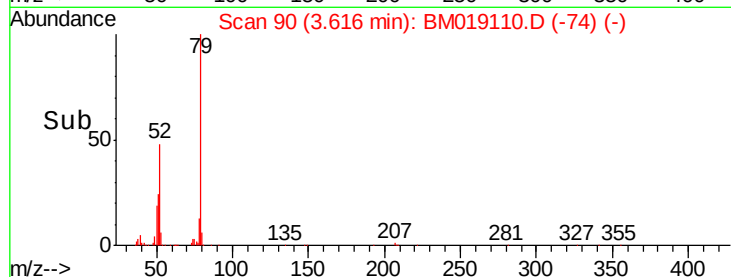
200000

100000

0

3.50 3.60 3.70 3.80 3.90

Time-->



#4

n-Nitrosodimethylamine

Concen: 37.377 ng

RT: 3.54 min Scan# 77

Delta R.T. -0.01 min

Lab File: BM019110.D

Acq: 12 Mar 2019 14:03

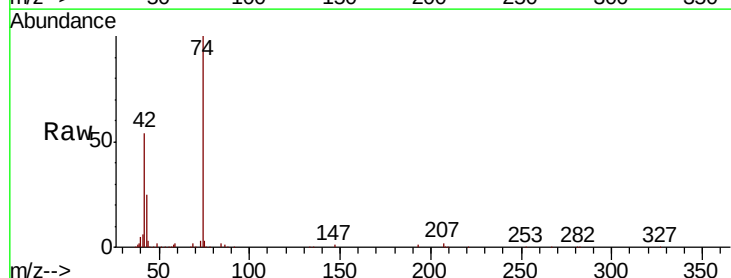
Tgt Ion: 42 Resp: 175842

Ion Ratio Lower Upper

42 100

74 185.0 156.3 234.5

44 5.9 4.6 7.0



Abundance Ion 42.00 (41.70 to 42.70): BM019093.D (-72) (-)

Ion 74.00 (73.70 to 74.70): BM019093.D (-72) (-)

Ion 44.00 (43.70 to 44.70): BM019093.D (-72) (-)

3.54

250000

200000

150000

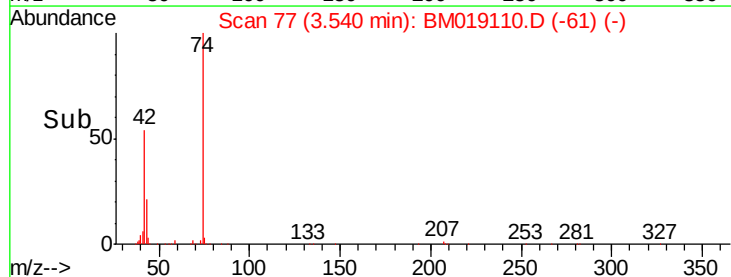
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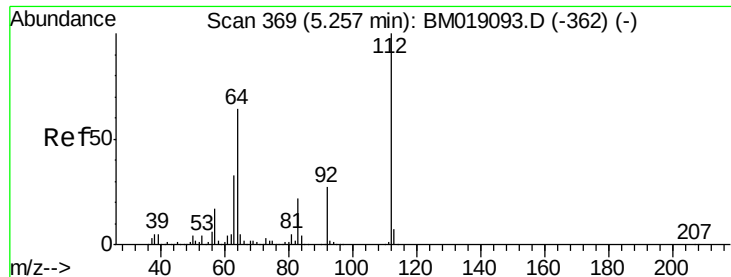
50000

0

3.40 3.50 3.60 3.70 3.80

Time-->





#5

2-Fluorophenol

Concen: 146.488 ng

RT: 5.26 min Scan# 370

Delta R.T. 0.01 min

Lab File: BM019110.D

Acq: 12 Mar 2019 14:03

Instrument :

BNA\_M

ClientSampleId :

PB117788BS

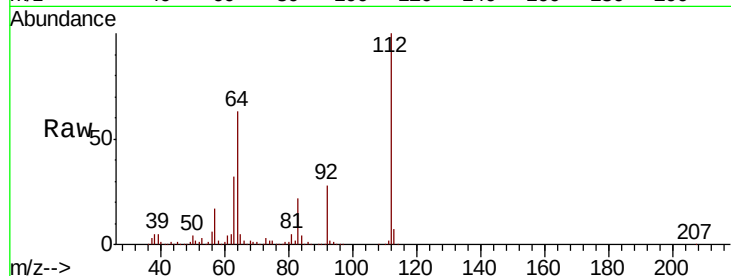
Tot Ion:112 Resp: 1831639

Ion Ratio Lower Upper

112 100

64 62.8 51.4 77.0

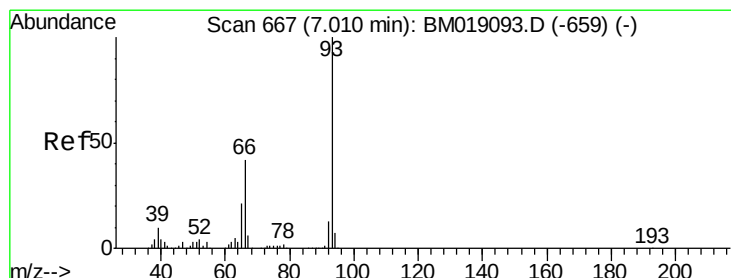
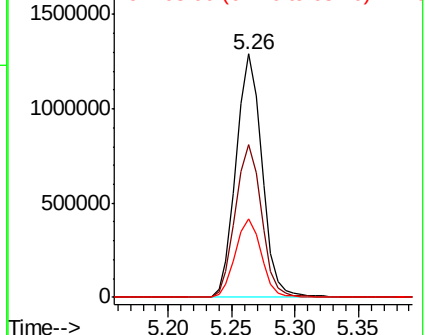
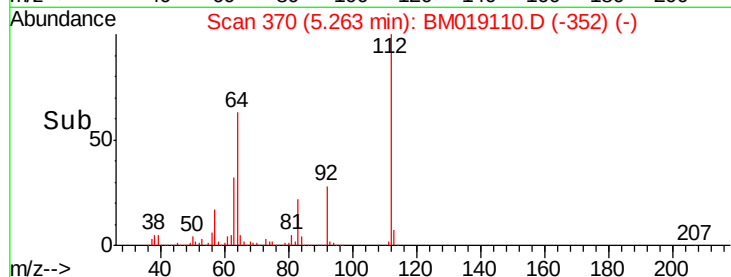
63 32.1 26.6 40.0



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BM

Ion 63.00 (62.70 to 63.70): BM



#6

Aniline

Concen: 31.984 ng

RT: 7.01 min Scan# 667

Delta R.T. -0.00 min

Lab File: BM019110.D

Acq: 12 Mar 2019 14:03

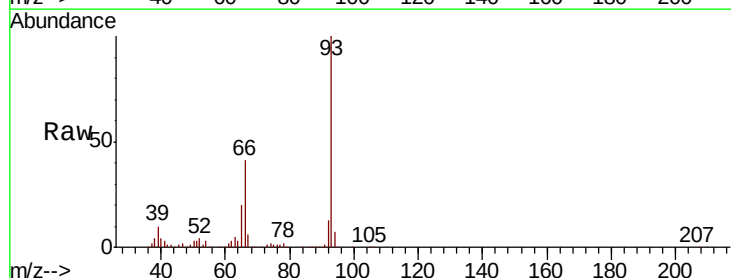
Tgt Ion: 93 Resp: 755232

Ion Ratio Lower Upper

93 100

66 41.5 33.4 50.2

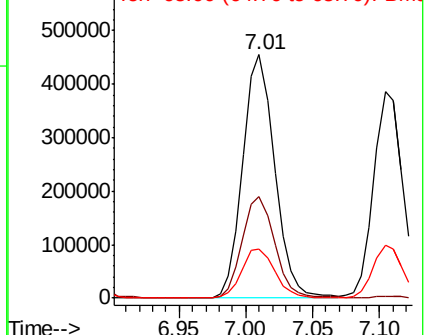
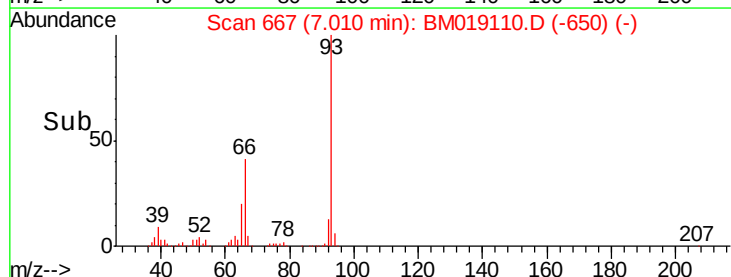
65 20.2 16.8 25.2

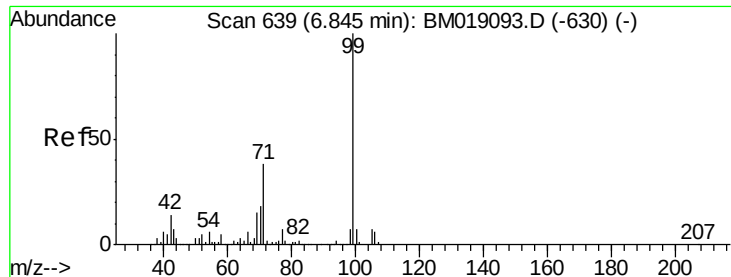


Abundance Ion 93.00 (92.70 to 93.70): BM

Ion 66.00 (65.70 to 66.70): BM

Ion 65.00 (64.70 to 65.70): BM





#7

Phenol-d6

Concen: 143.500 ng

RT: 6.85 min Scan# 639

Delta R.T. -0.00 min

Lab File: BM019110.D

Acq: 12 Mar 2019 14:03

Instrument :

BNA\_M

ClientSampleId :

PB117788BS

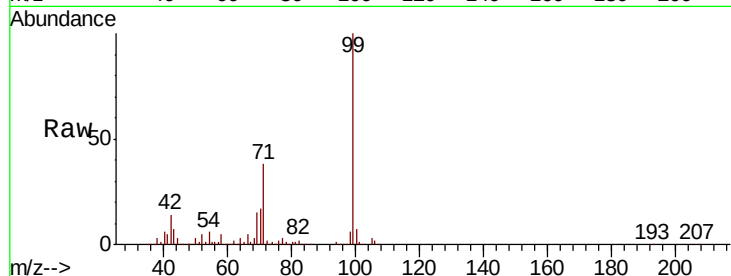
Tot Ion: 99 Resp: 2624497

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 14.1  | 10.9  | 16.3  |
| 71  | 38.2  | 30.3  | 45.5  |

99 100

42 14.1 10.9 16.3

71 38.2 30.3 45.5

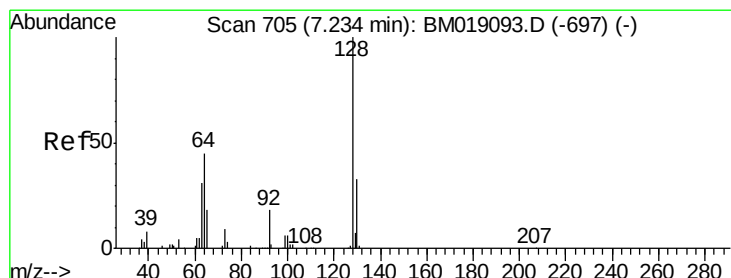
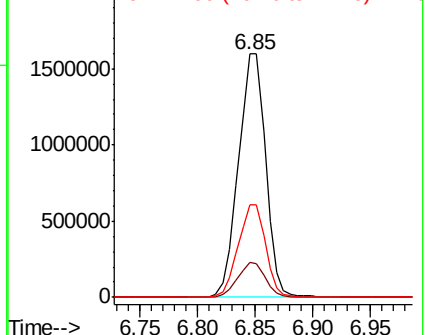
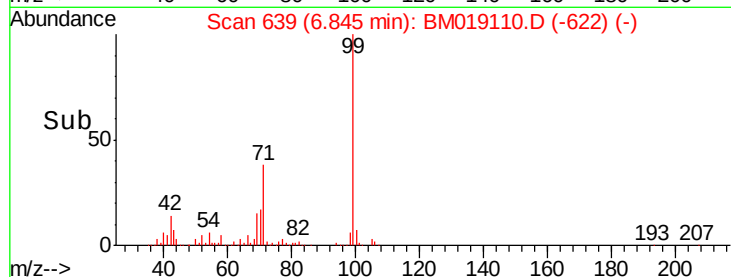


Abundance

Ion 99.00 (98.70 to 99.70): BM019110.D (-622) (-)

Ion 42.00 (41.70 to 42.70): BM019110.D (-622) (-)

Ion 71.00 (70.70 to 71.70): BM019110.D (-622) (-)



#8

2-Chlorophenol

Concen: 42.297 ng

RT: 7.23 min Scan# 705

Delta R.T. -0.00 min

Lab File: BM019110.D

Acq: 12 Mar 2019 14:03

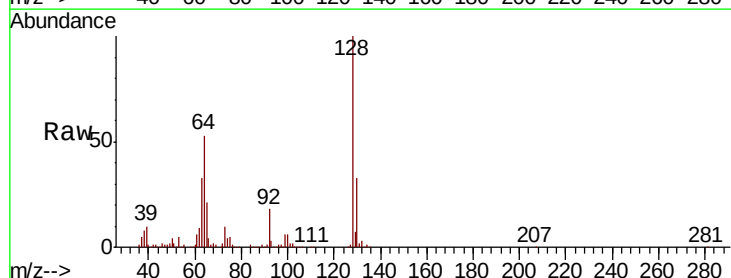
Tgt Ion: 128 Resp: 635533

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 130 | 32.5  | 12.8  | 52.8  |
| 64  | 52.5  | 30.8  | 70.8  |

128 100

130 32.5 12.8 52.8

64 52.5 30.8 70.8

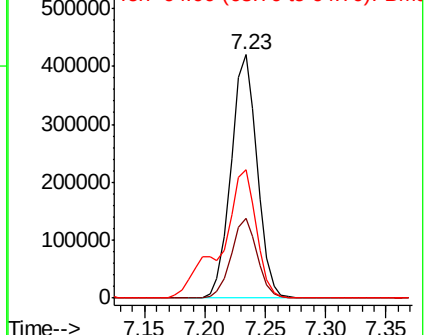
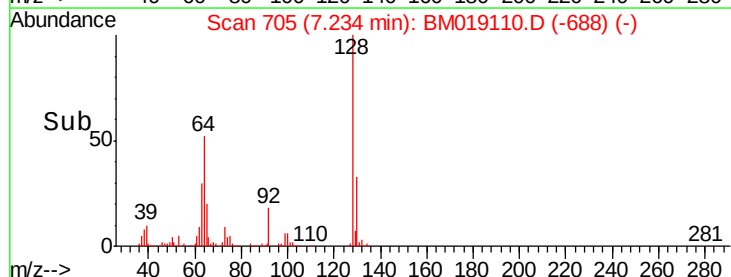


Abundance

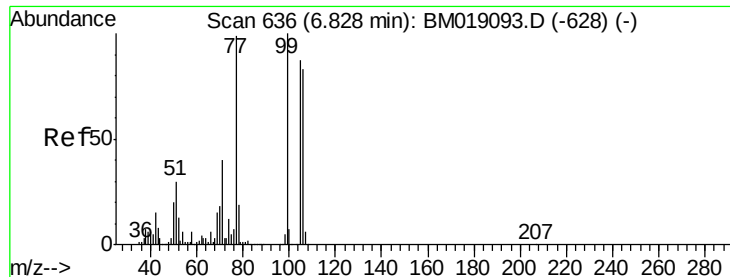
Ion 128.00 (127.70 to 128.70): BM019110.D (-688) (-)

Ion 130.00 (129.70 to 130.70): BM019110.D (-688) (-)

Ion 64.00 (63.70 to 64.70): BM019110.D (-688) (-)







#9

Benzaldehyde

Concen: 30.272 ng

RT: 6.83 min Scan# 636

Delta R.T. -0.00 min

Lab File: BM019110.D

Acq: 12 Mar 2019 14:03

Instrument :

BNA\_M

ClientSampleId :

PB117788BS

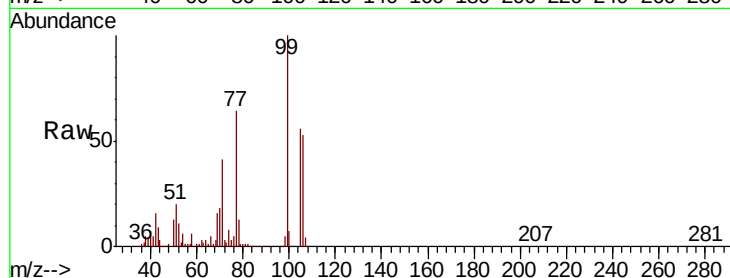
Tot Ion: 77 Resp: 348247

Ion Ratio Lower Upper

77 100

105 88.0 67.7 107.7

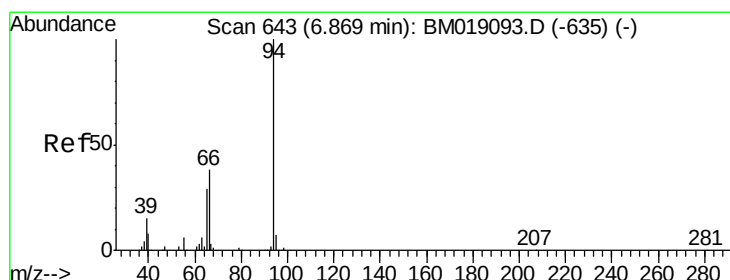
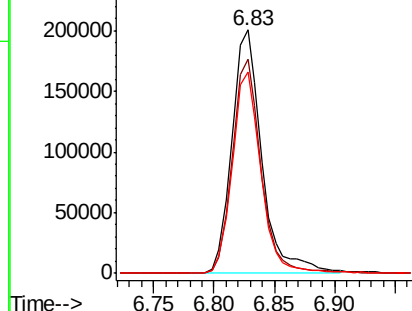
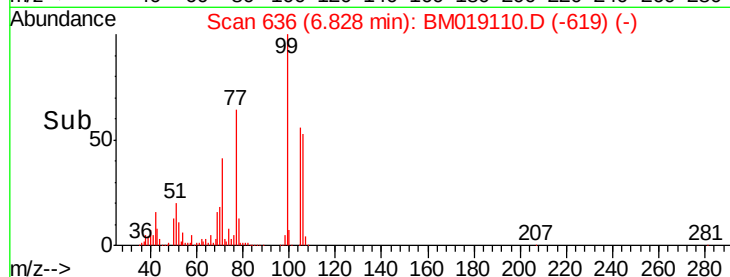
106 82.6 64.1 104.1



Abundance Ion 77.00 (76.70 to 77.70): BM019110.D (-619) (-)

Ion 105.00 (104.70 to 105.70): BM019110.D (-619) (-)

Ion 106.00 (105.70 to 106.70): BM019110.D (-619) (-)



#10

Phenol

Concen: 44.597 ng

RT: 6.87 min Scan# 644

Delta R.T. 0.01 min

Lab File: BM019110.D

Acq: 12 Mar 2019 14:03

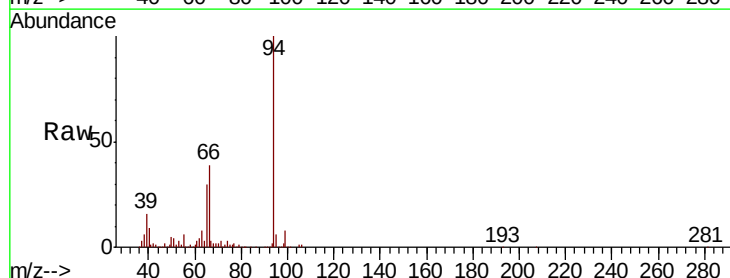
Tgt Ion: 94 Resp: 879040

Ion Ratio Lower Upper

94 100

65 29.6 9.7 49.7

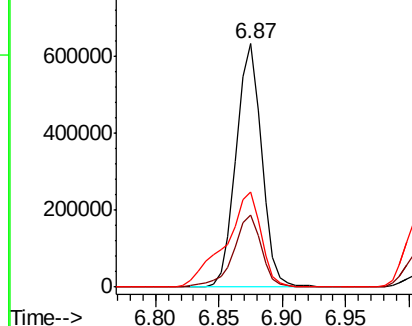
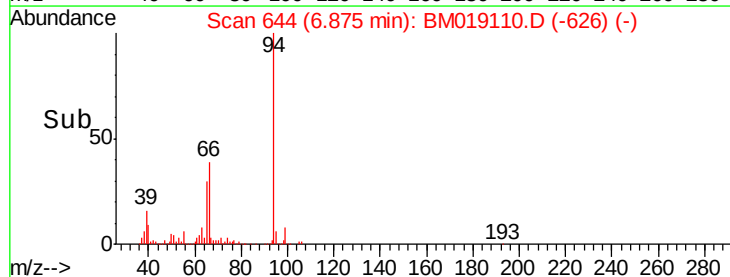
66 39.1 19.2 59.2



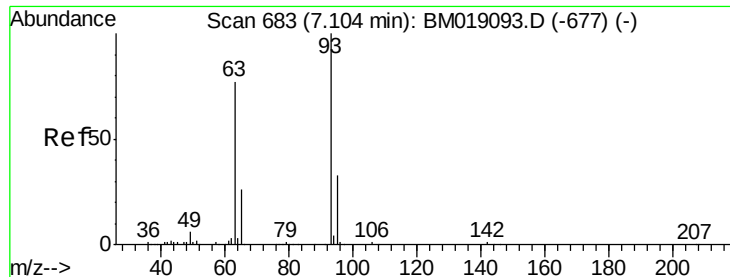
Abundance Ion 94.00 (93.70 to 94.70): BM019110.D (-626) (-)

Ion 65.00 (64.70 to 65.70): BM019110.D (-626) (-)

Ion 66.00 (65.70 to 66.70): BM019110.D (-626) (-)



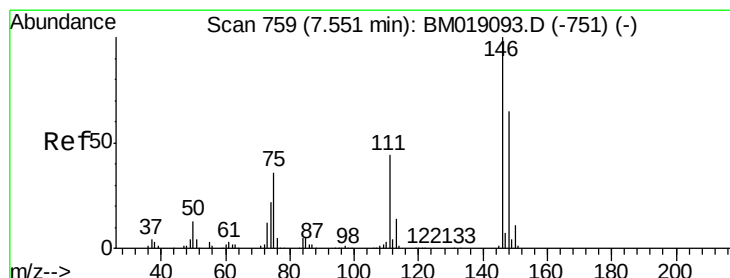
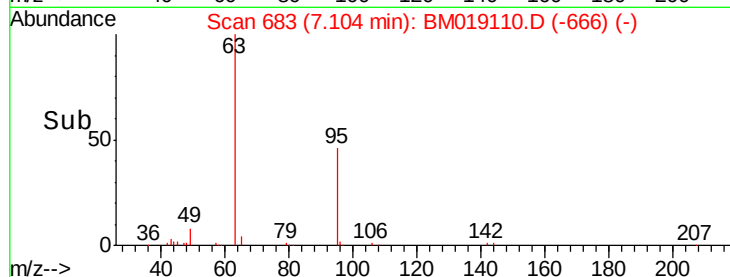
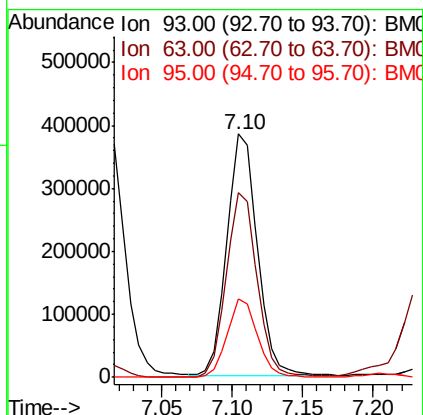
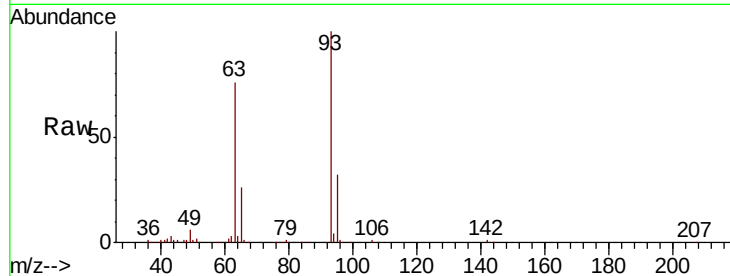




#11  
bis(2-Chloroethyl)ether  
Concen: 38.110 ng  
RT: 7.10 min Scan# 683  
Delta R.T. -0.00 min  
Lab File: BM019110.D  
Acq: 12 Mar 2019 14:03

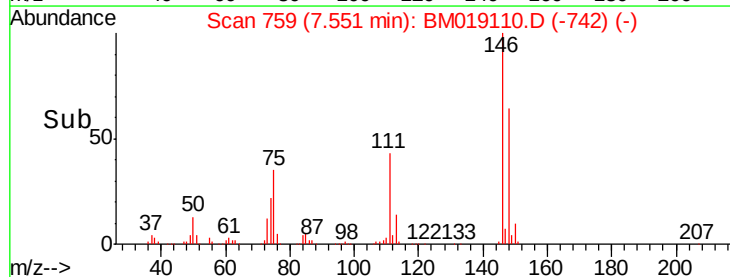
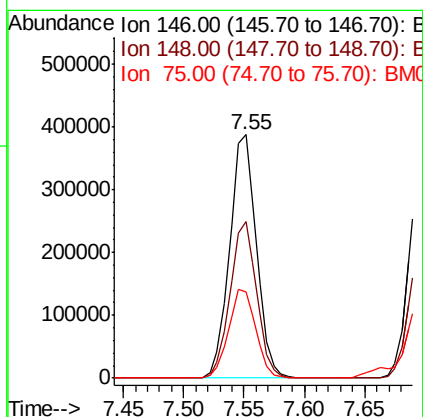
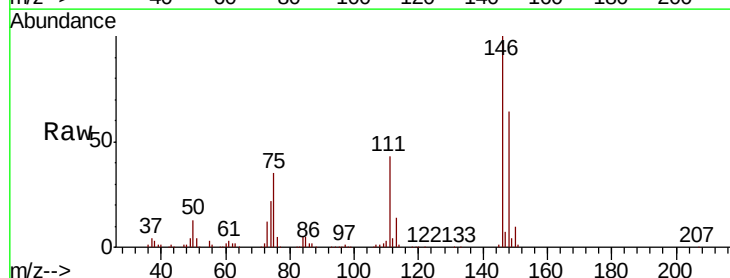
Instrument :  
BNA\_M  
ClientSampleId :  
PB117788BS

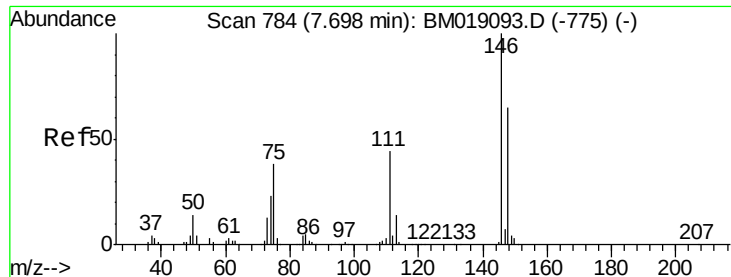
Tot Ion: 93 Resp: 573190  
Ion Ratio Lower Upper  
93 100  
63 75.8 56.6 96.6  
95 32.4 13.0 53.0



#12  
1,3-Dichlorobenzene  
Concen: 37.651 ng  
RT: 7.55 min Scan# 759  
Delta R.T. -0.00 min  
Lab File: BM019110.D  
Acq: 12 Mar 2019 14:03

Tgt Ion: 146 Resp: 598689  
Ion Ratio Lower Upper  
146 100  
148 64.3 51.7 77.5  
75 35.3 29.1 43.7

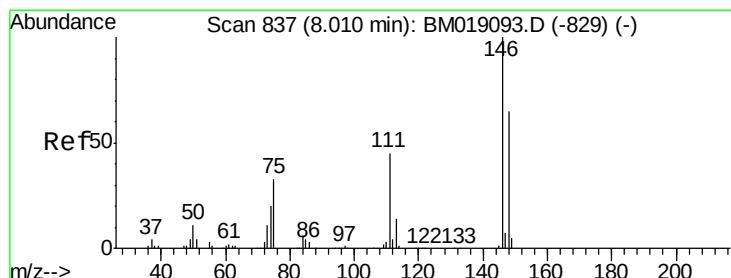
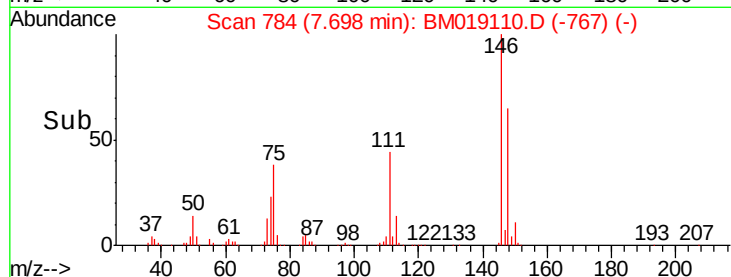
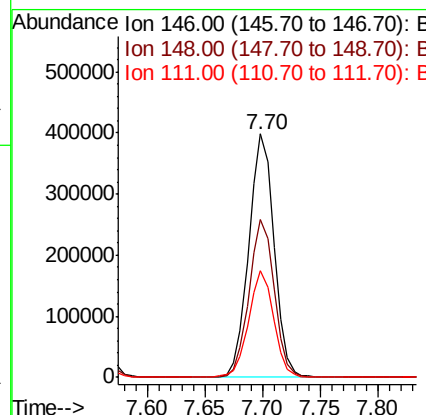
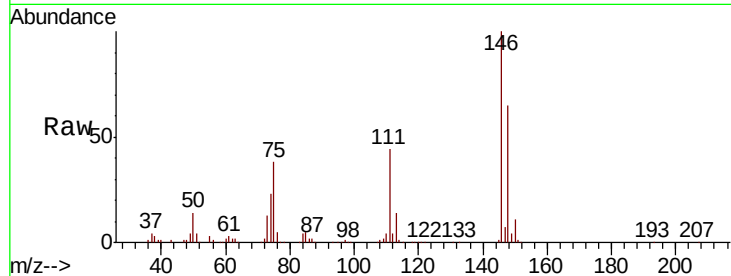




#13  
 1,4-Dichlorobenzene  
 Concen: 37.515 ng  
 RT: 7.70 min Scan# 784  
 Delta R.T. -0.00 min  
 Lab File: BM019110.D  
 Acq: 12 Mar 2019 14:03

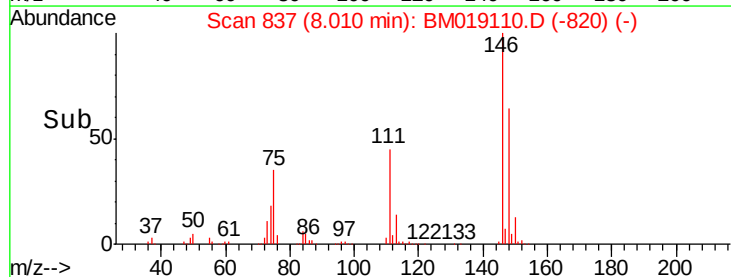
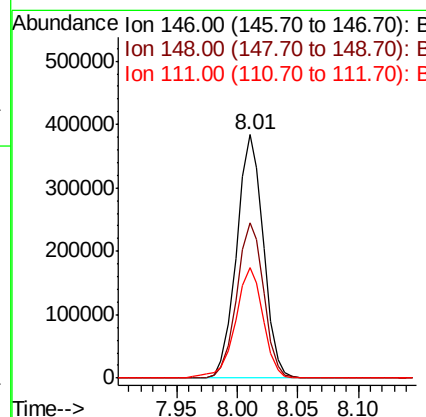
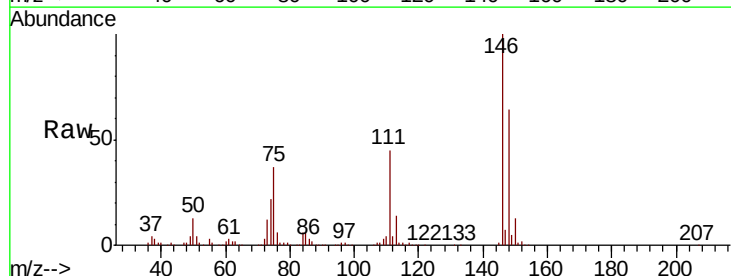
Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB117788BS

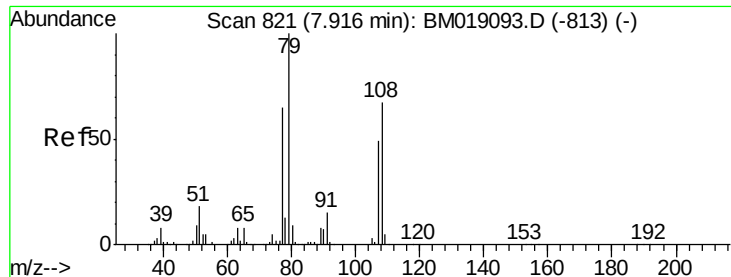
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 64.9  | 51.8  | 77.6  |
| 111     | 43.8  | 35.4  | 53.0  |



#14  
 1,2-Dichlorobenzene  
 Concen: 37.574 ng  
 RT: 8.01 min Scan# 837  
 Delta R.T. -0.00 min  
 Lab File: BM019110.D  
 Acq: 12 Mar 2019 14:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 63.8  | 51.8  | 77.6  |
| 111     | 45.3  | 36.2  | 54.4  |





#15

Benzyl Alcohol

Concen: 41.028 ng

RT: 7.92 min Scan# 821

Delta R.T. -0.00 min

Lab File: BM019110.D

Acq: 12 Mar 2019 14:03

Instrument :

BNA\_M

ClientSampleId :

PB117788BS

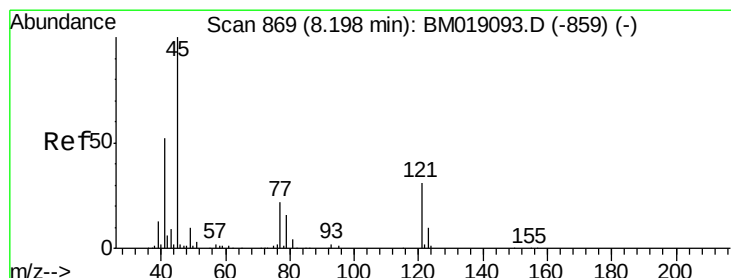
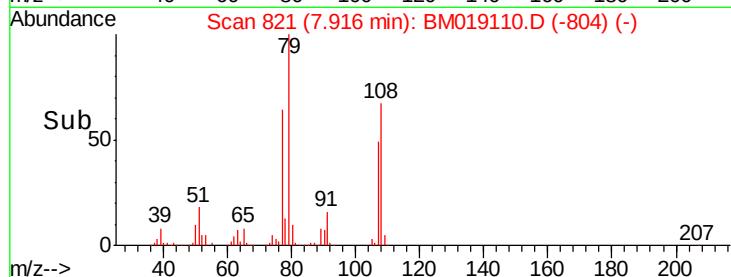
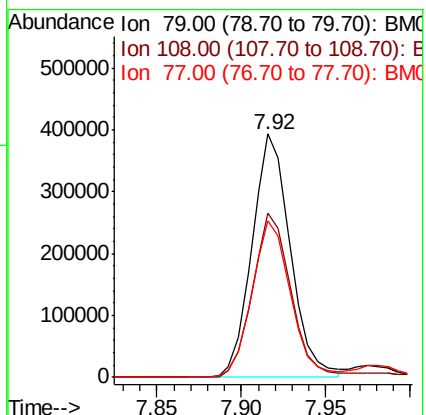
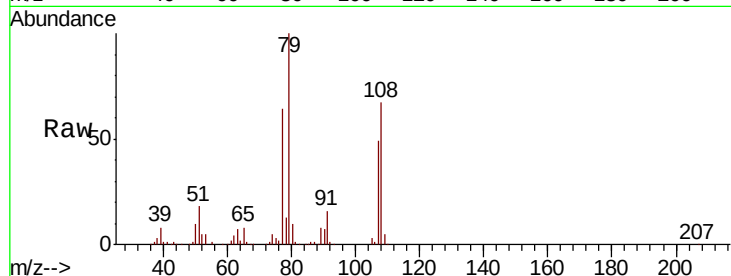
Tot Ion: 79 Resp: 621027

Ion Ratio Lower Upper

79 100

108 67.3 53.7 80.5

77 64.5 51.8 77.8



#16

2,2'-oxybis(1-chloropropane)

Concen: 37.869 ng

RT: 8.19 min Scan# 867

Delta R.T. -0.01 min

Lab File: BM019110.D

Acq: 12 Mar 2019 14:03

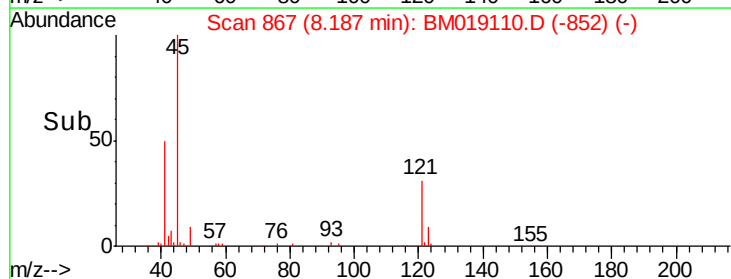
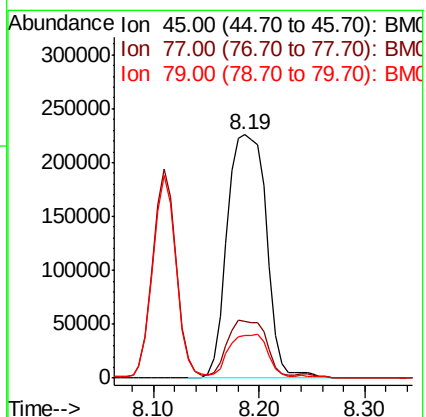
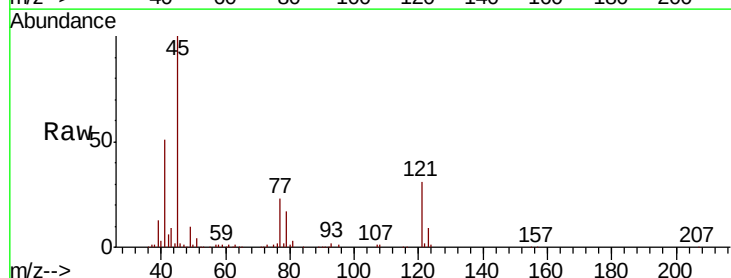
Tgt Ion: 45 Resp: 581564

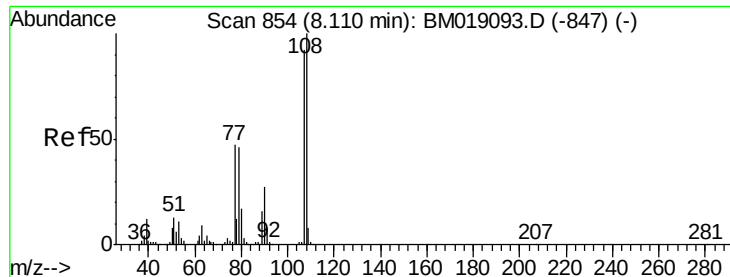
Ion Ratio Lower Upper

45 100

77 23.1 4.1 44.1

79 17.5 0.0 38.1

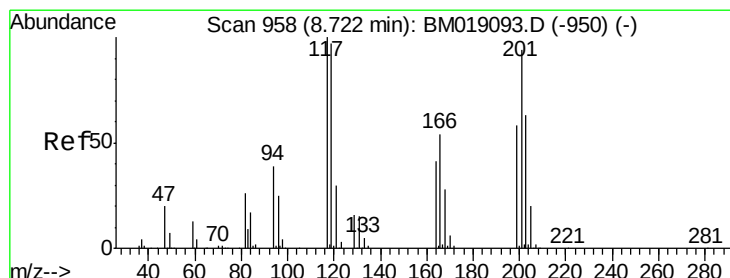
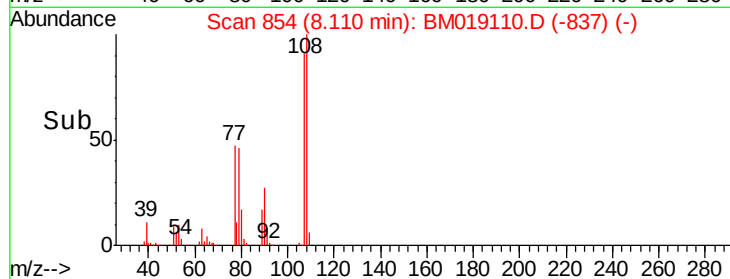
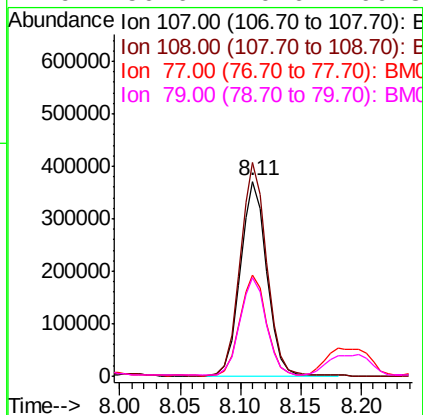
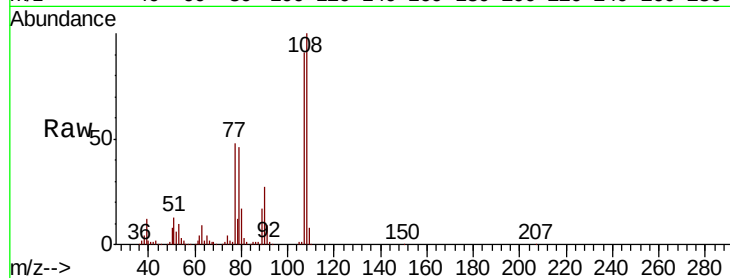




#17  
2-Methylphenol  
Concen: 43.988 ng  
RT: 8.11 min Scan# 854  
Delta R.T. -0.00 min  
Lab File: BM019110.D  
Acq: 12 Mar 2019 14:03

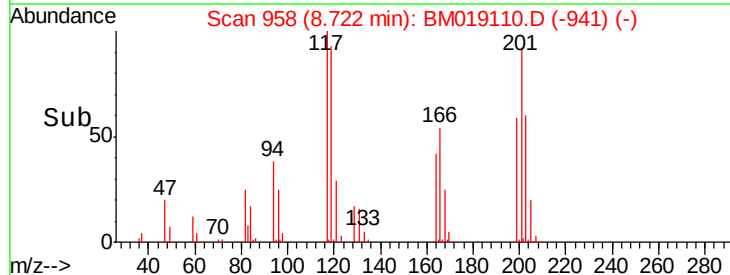
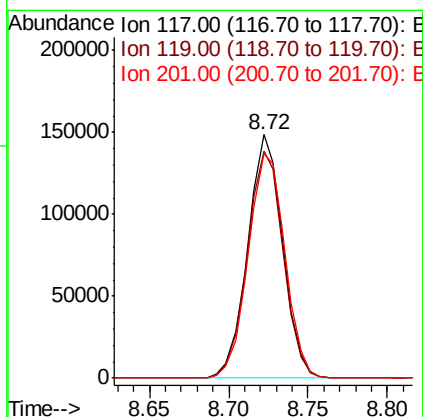
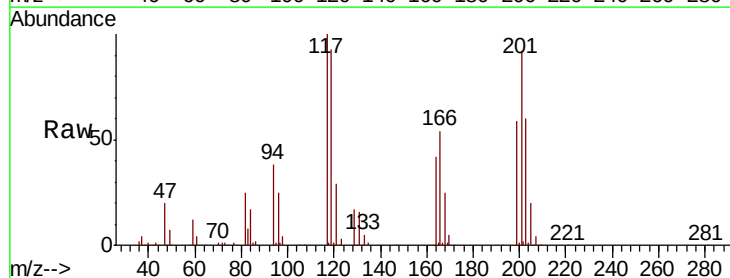
Instrument :  
BNA\_M  
ClientSampleId :  
PB117788BS

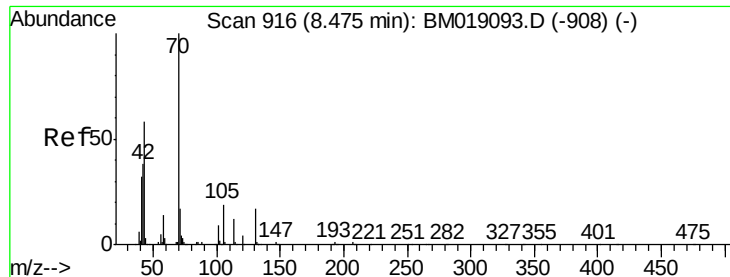
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 107   | Resp: | 564999 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 109.5 | 87.4  | 131.2  |
| 77       | 52.1  | 41.6  | 62.4   |
| 79       | 50.6  | 40.6  | 60.8   |



#18  
Hexachloroethane  
Concen: 37.902 ng  
RT: 8.72 min Scan# 958  
Delta R.T. -0.00 min  
Lab File: BM019110.D  
Acq: 12 Mar 2019 14:03

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 228317 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 93.0  | 77.4  | 116.2  |
| 201      | 92.1  | 75.2  | 112.8  |

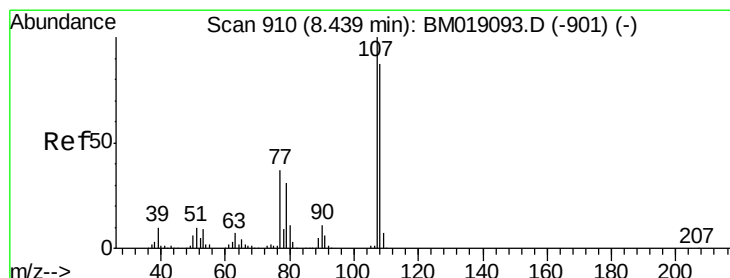
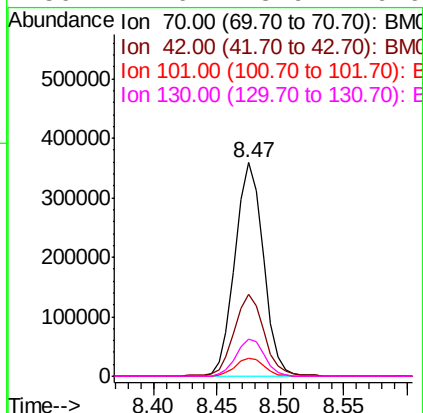
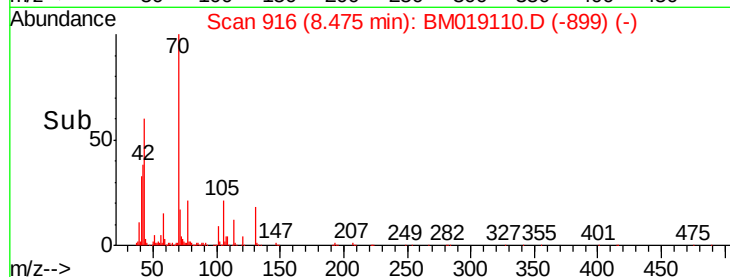
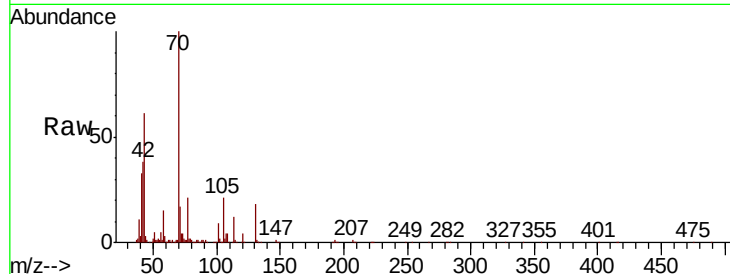




#19  
n-Nitroso-di-n-propylamine  
Concen: 37.326 ng  
RT: 8.47 min Scan# 916  
Delta R.T. -0.00 min  
Lab File: BM019110.D  
Acq: 12 Mar 2019 14:03

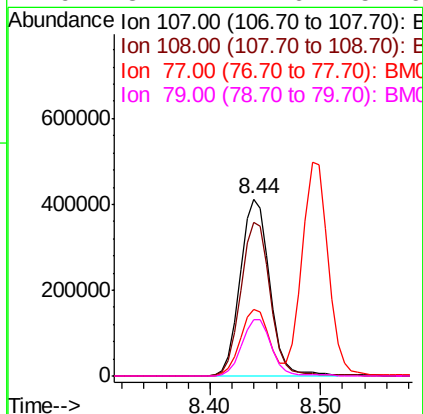
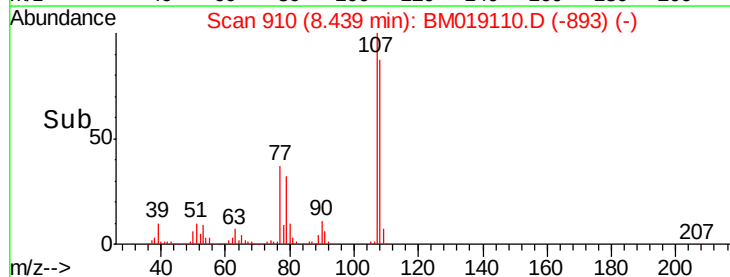
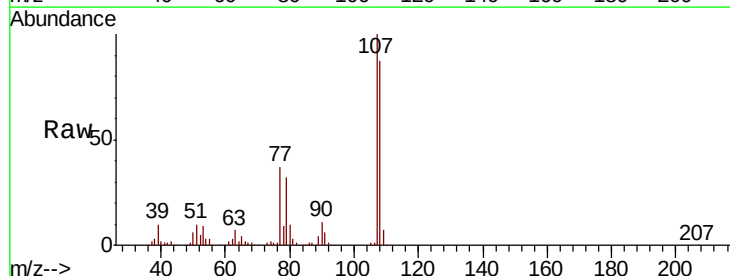
Instrument :  
BNA\_M  
ClientSampleId :  
PB117788BS

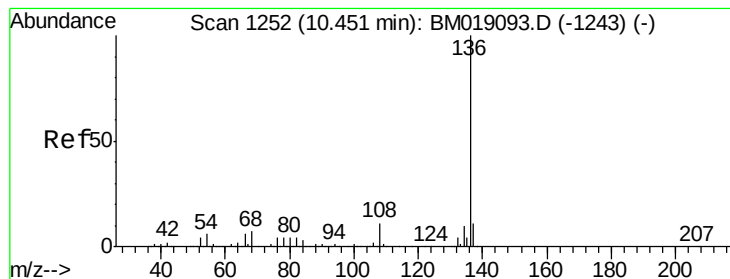
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 70    | Resp: | 560065 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 38.4  | 30.6  | 45.8   |
| 101      | 8.6   | 6.8   | 10.2   |
| 130      | 17.6  | 13.9  | 20.9   |



#20  
3+4-Methylphenols  
Concen: 44.512 ng  
RT: 8.44 min Scan# 910  
Delta R.T. -0.00 min  
Lab File: BM019110.D  
Acq: 12 Mar 2019 14:03

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 776059 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 86.8  | 67.0  | 107.0  |
| 77       | 37.4  | 17.3  | 57.3   |
| 79       | 32.1  | 11.6  | 51.6   |





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.45 min Scan# 1252

Delta R.T. -0.00 min

Lab File: BM019110.D

Acq: 12 Mar 2019 14:03

Instrument :

BNA\_M

ClientSampleId :

PB117788BS

Tot Ion:136 Resp: 891958

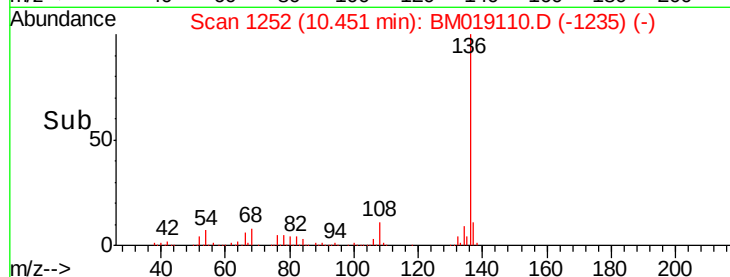
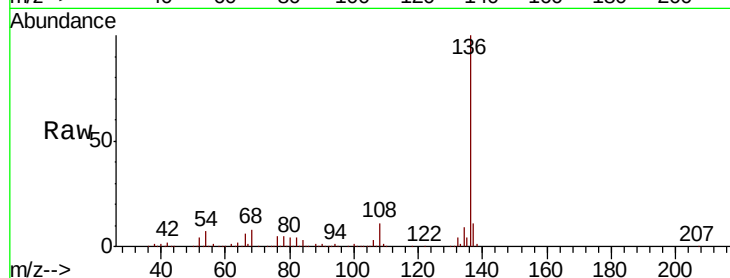
Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

54 7.0 5.2 7.8

68 7.8 5.8 8.8

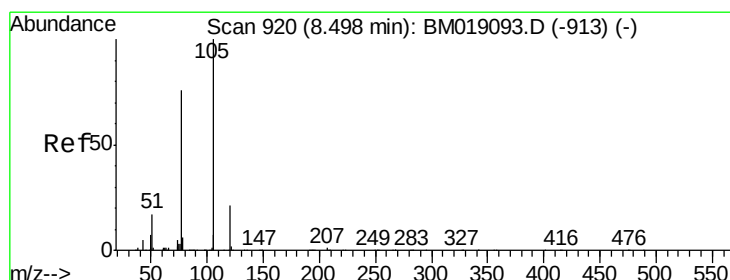
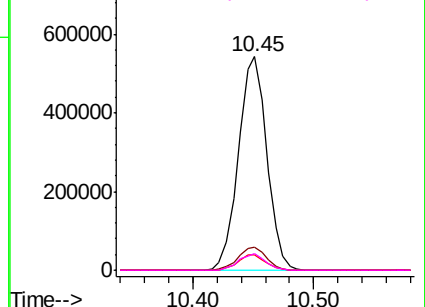


Abundance Ion 136.00 (135.70 to 136.70): E

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: 37.112 ng

RT: 8.49 min Scan# 919

Delta R.T. -0.01 min

Lab File: BM019110.D

Acq: 12 Mar 2019 14:03

Tgt Ion:105 Resp: 914801

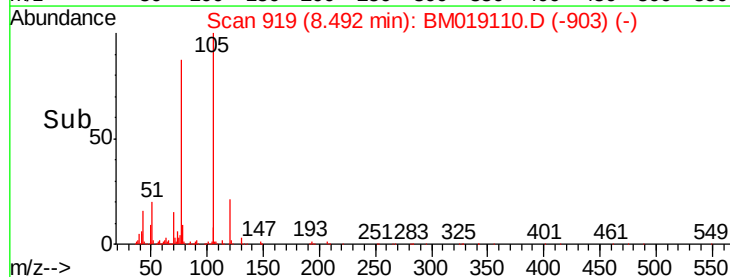
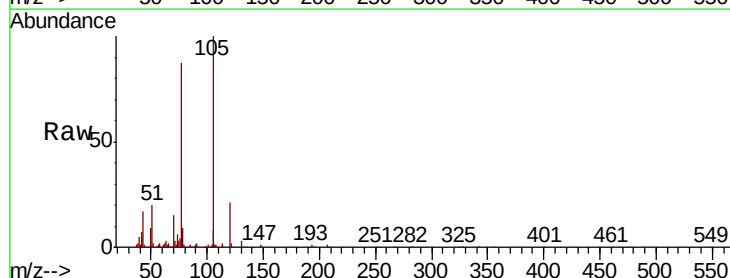
Ion Ratio Lower Upper

105 100

71 2.5 0.8 1.2#

51 20.2 15.8 23.6

120 21.0 17.0 25.4

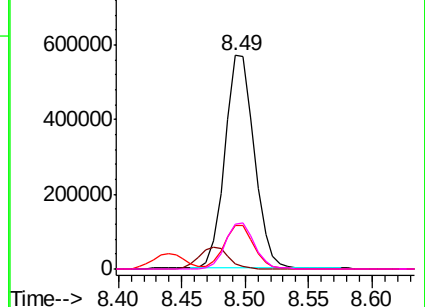


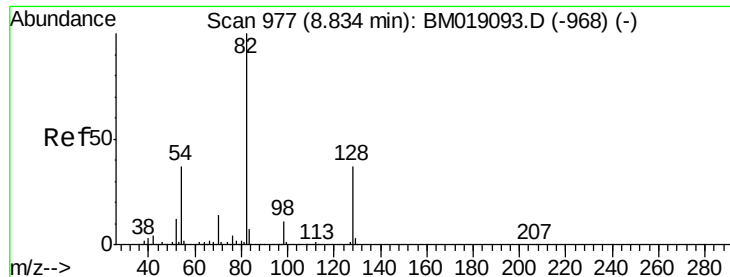
Abundance Ion 105.00 (104.70 to 105.70): E

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: 76.191 ng

RT: 8.83 min Scan# 977

Delta R.T. -0.00 min

Lab File: BM019110.D

Acq: 12 Mar 2019 14:03

Instrument :

BNA\_M

ClientSampleId :

PB117788BS

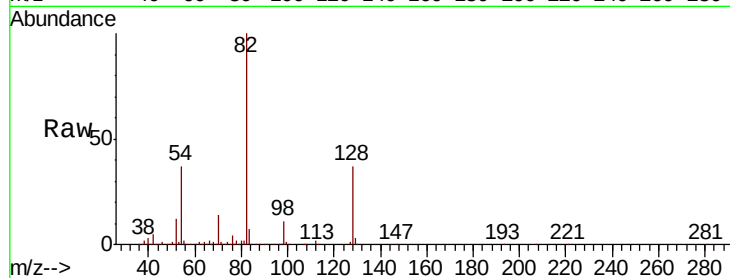
Tot Ion: 82 Resp: 1437680

Ion Ratio Lower Upper

82 100

128 37.5 29.4 44.2

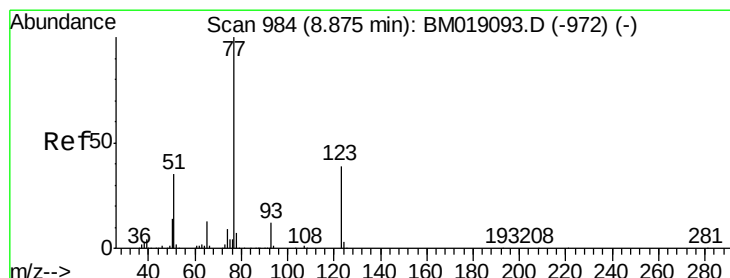
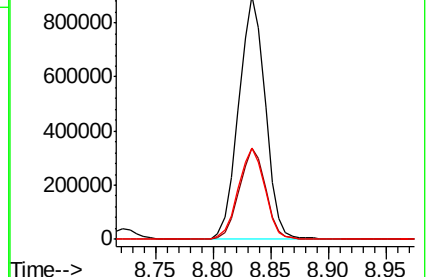
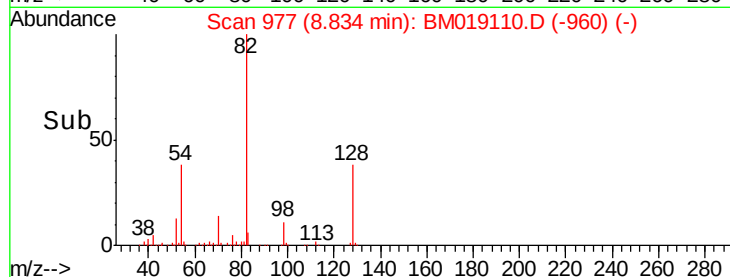
54 37.4 29.9 44.9



Abundance Ion 82.00 (81.70 to 82.70): BM019110.D (-960) (-)

Ion 128.00 (127.70 to 128.70): BM019110.D (-960) (-)

Ion 54.00 (53.70 to 54.70): BM019110.D (-960) (-)



#24

Nitrobenzene

Concen: 39.892 ng

RT: 8.87 min Scan# 984

Delta R.T. -0.00 min

Lab File: BM019110.D

Acq: 12 Mar 2019 14:03

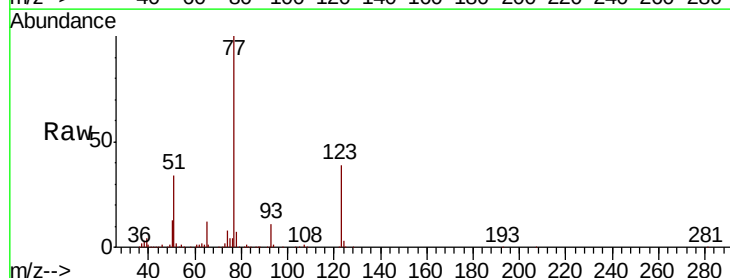
Tgt Ion: 77 Resp: 782848

Ion Ratio Lower Upper

77 100

123 38.8 31.3 46.9

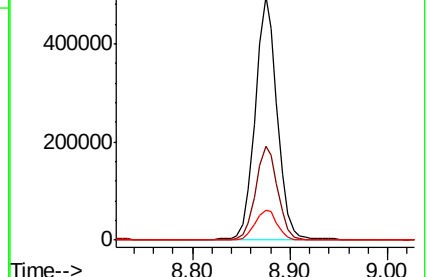
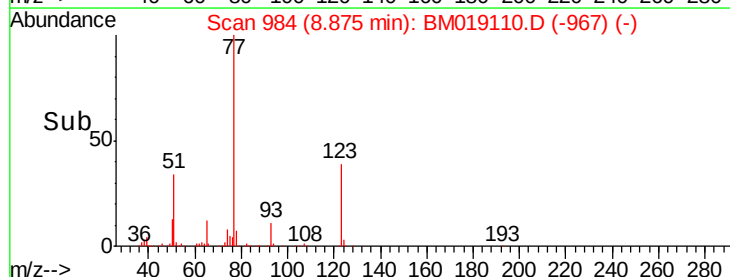
65 12.5 10.5 15.7



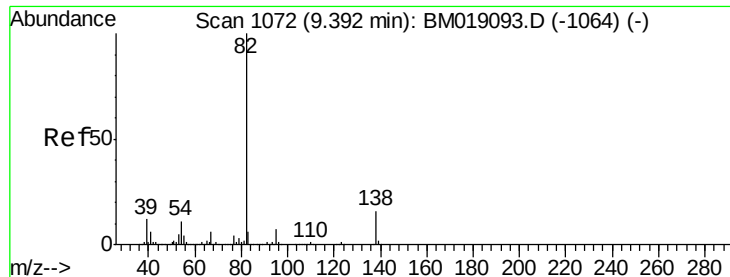
Abundance Ion 77.00 (76.70 to 77.70): BM019110.D (-967) (-)

Ion 123.00 (122.70 to 123.70): BM019110.D (-967) (-)

Ion 65.00 (64.70 to 65.70): BM019110.D (-967) (-)







#25

Isophorone

Concen: 39.745 ng

RT: 9.39 min Scan# 1072

Delta R.T. -0.00 min

Lab File: BM019110.D

Acq: 12 Mar 2019 14:03

Instrument :

BNA\_M

ClientSampleId :

PB117788BS

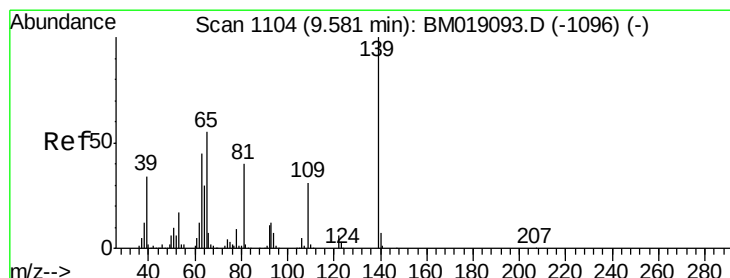
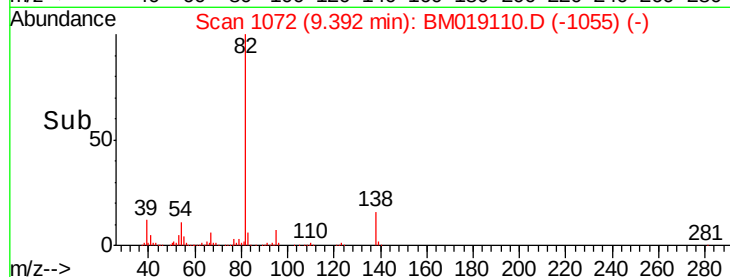
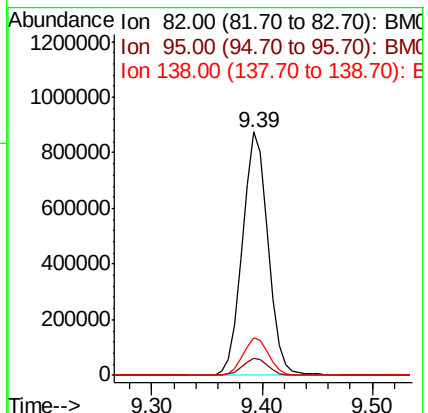
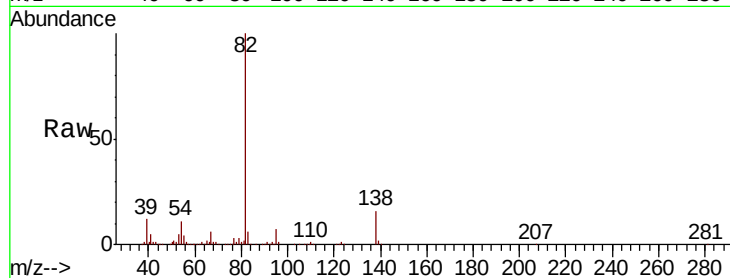
Tot Ion: 82 Resp: 1431045

Ion Ratio Lower Upper

82 100

95 6.8 5.4 8.2

138 15.5 12.6 18.8



#26

2-Nitrophenol

Concen: 40.709 ng

RT: 9.58 min Scan# 1104

Delta R.T. -0.00 min

Lab File: BM019110.D

Acq: 12 Mar 2019 14:03

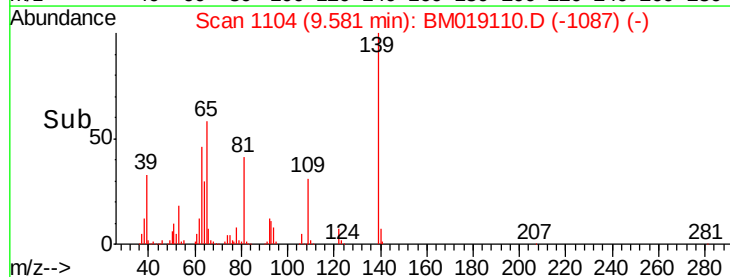
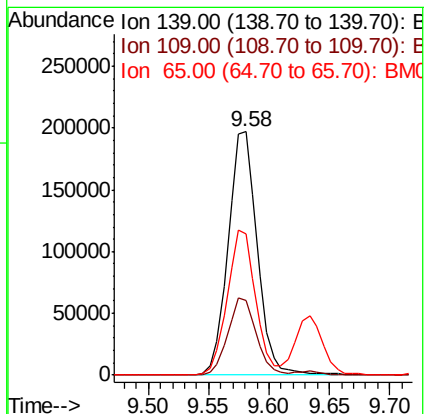
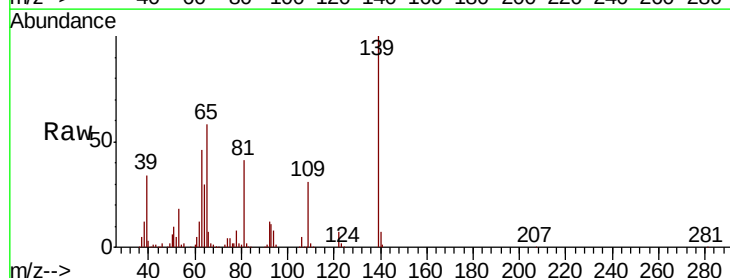
Tgt Ion: 139 Resp: 331145

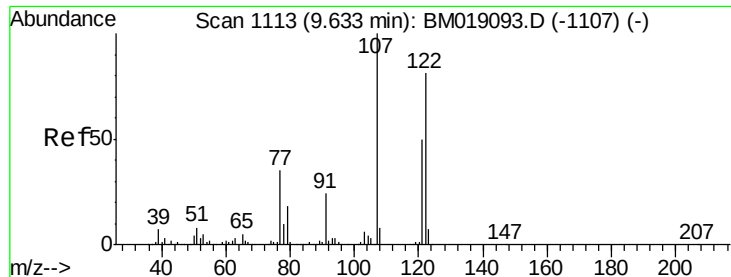
Ion Ratio Lower Upper

139 100

109 30.6 24.5 36.7

65 58.2 44.4 66.6

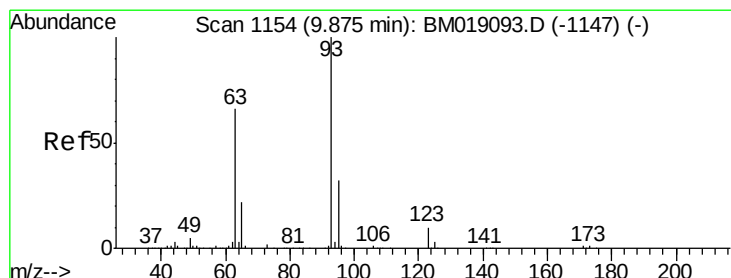
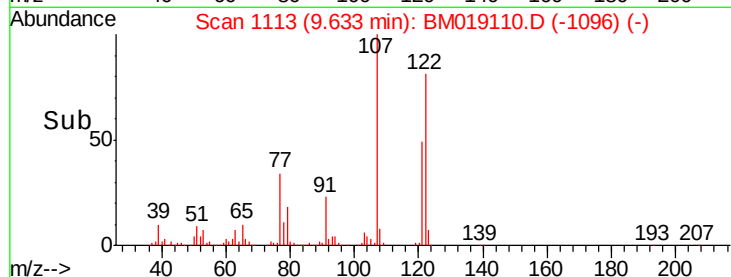
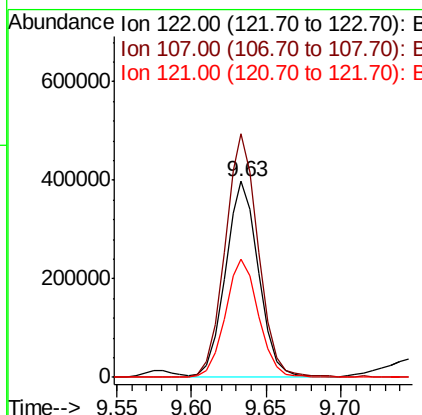
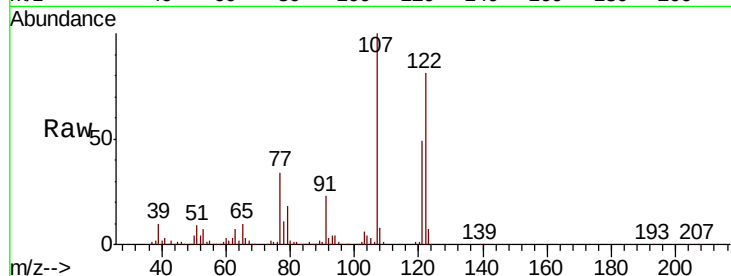




#27  
2,4-Dimethylphenol  
Concen: 50.607 ng  
RT: 9.63 min Scan# 1113  
Delta R.T. -0.00 min  
Lab File: BM019110.D  
Acq: 12 Mar 2019 14:03

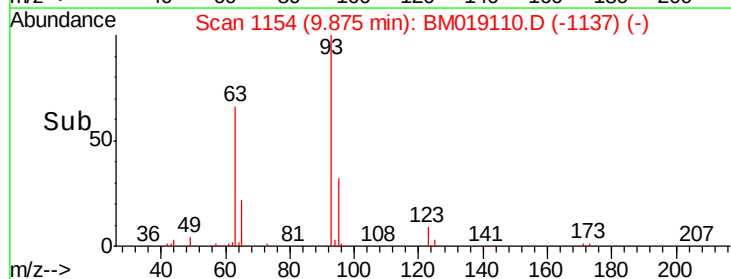
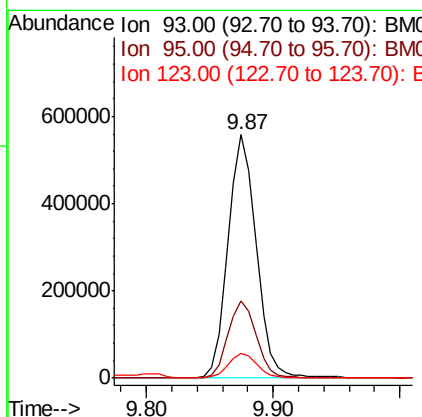
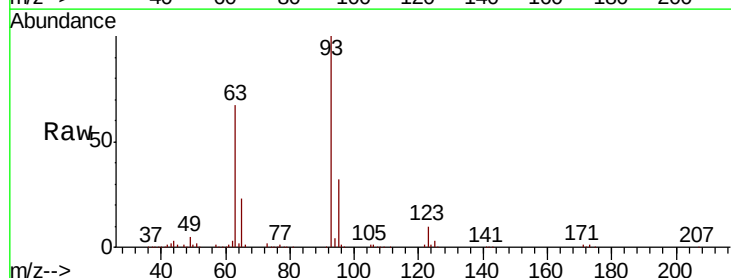
Instrument :  
BNA\_M  
ClientSampleId :  
PB117788BS

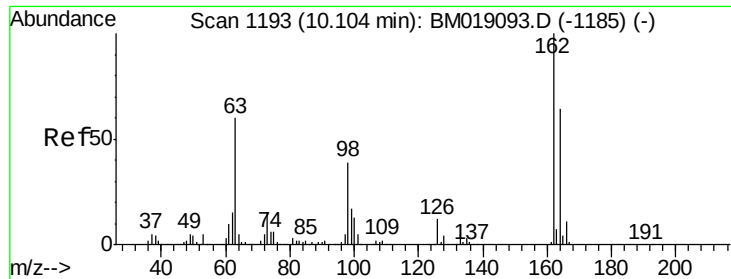
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 124.2 | 98.2  | 147.4 |
| 121     | 60.2  | 48.8  | 73.2  |



#28  
bis(2-Chloroethoxy)methane  
Concen: 40.353 ng  
RT: 9.87 min Scan# 1154  
Delta R.T. -0.00 min  
Lab File: BM019110.D  
Acq: 12 Mar 2019 14:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 31.8  | 25.8  | 38.8  |
| 123     | 10.4  | 7.9   | 11.9  |

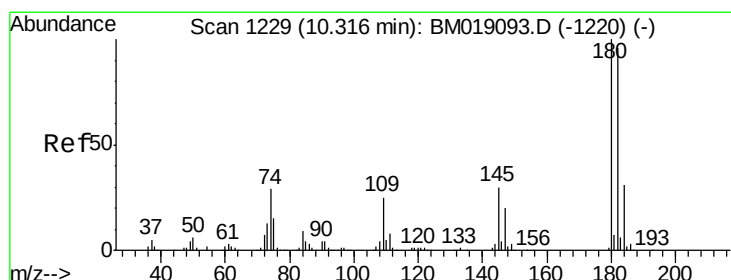
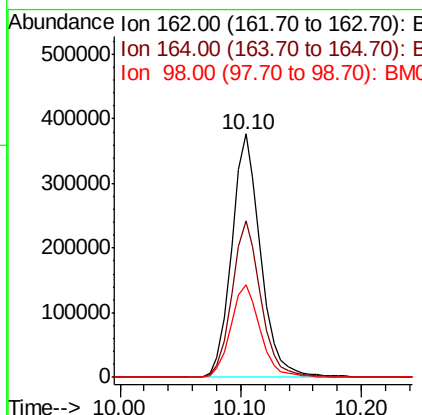
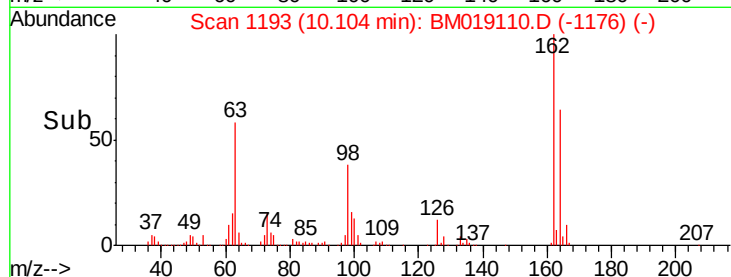
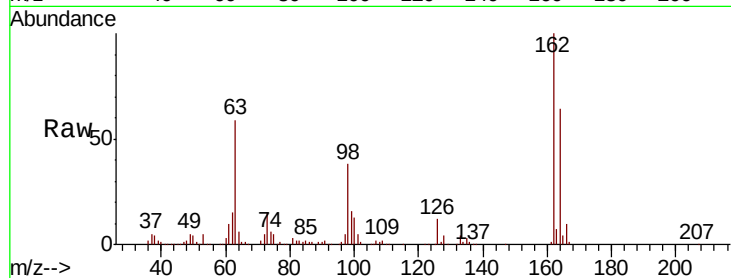




#29  
2,4-Dichlorophenol  
Concen: 46.833 ng  
RT: 10.10 min Scan# 1193  
Delta R.T. -0.00 min  
Lab File: BM019110.D  
Acq: 12 Mar 2019 14:03

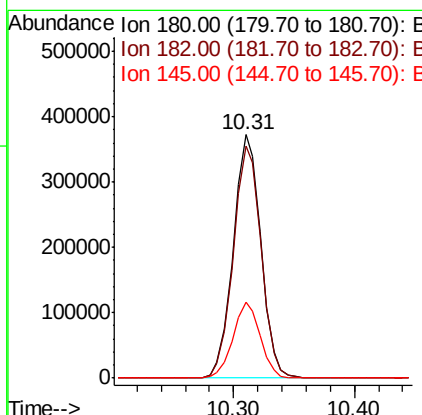
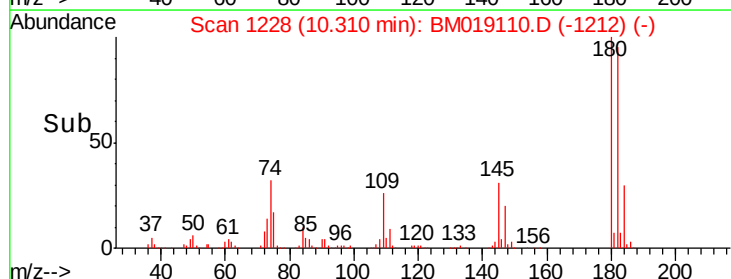
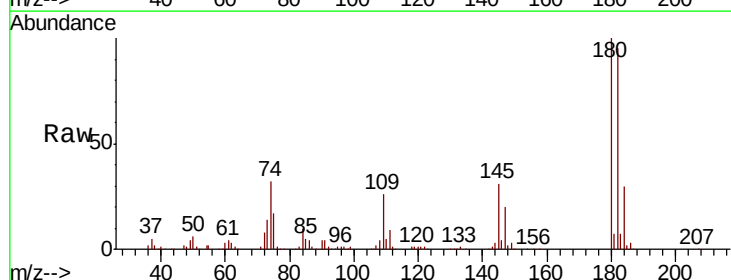
Instrument :  
BNA\_M  
ClientSampleId :  
PB117788BS

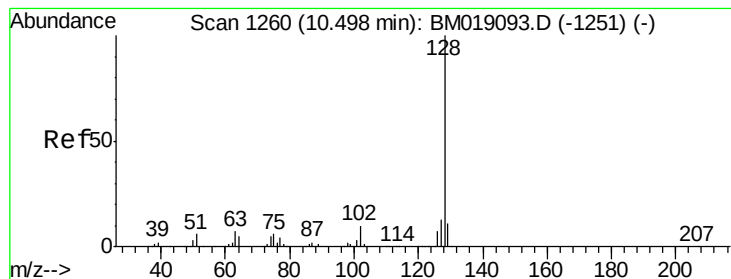
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 64.4  | 43.5  | 83.5  |
| 98      | 38.0  | 19.1  | 59.1  |



#30  
1,2,4-Trichlorobenzene  
Concen: 39.248 ng  
RT: 10.31 min Scan# 1228  
Delta R.T. -0.01 min  
Lab File: BM019110.D  
Acq: 12 Mar 2019 14:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.1  | 76.6  | 114.8 |
| 145     | 31.0  | 24.3  | 36.5  |





#31

Naphthalene

Concen: 39.549 ng

RT: 10.50 min Scan# 1260

Delta R.T. -0.00 min

Lab File: BM019110.D

Acq: 12 Mar 2019 14:03

Instrument :

BNA\_M

ClientSampleId :

PB117788BS

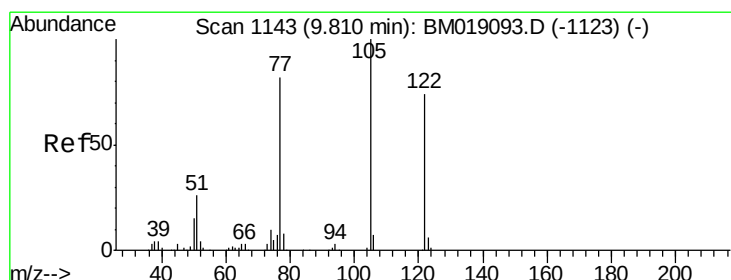
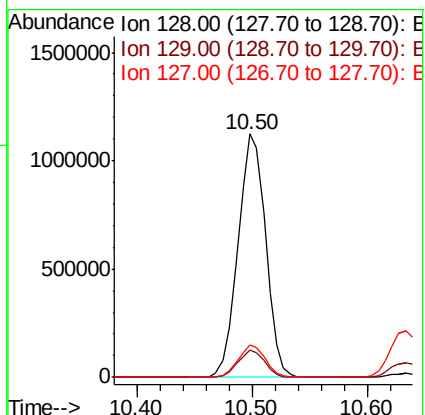
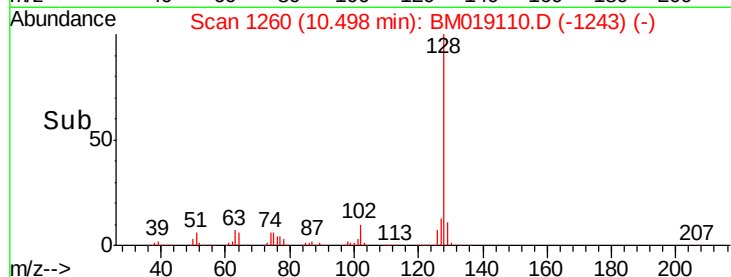
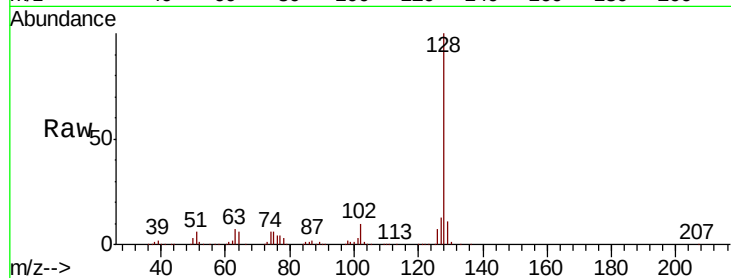
Tot Ion:128 Resp: 1859321

Ion Ratio Lower Upper

128 100

129 11.0 8.6 13.0

127 13.2 10.4 15.6



#32

Benzoic acid

Concen: 37.810 ng

RT: 9.80 min Scan# 1142

Delta R.T. -0.01 min

Lab File: BM019110.D

Acq: 12 Mar 2019 14:03

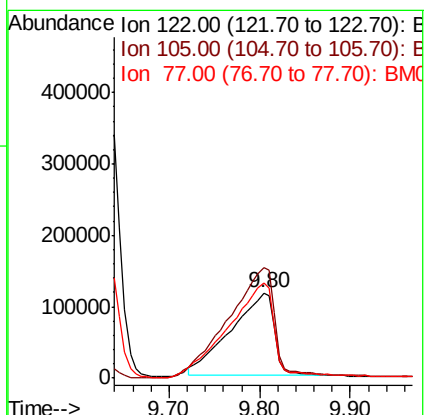
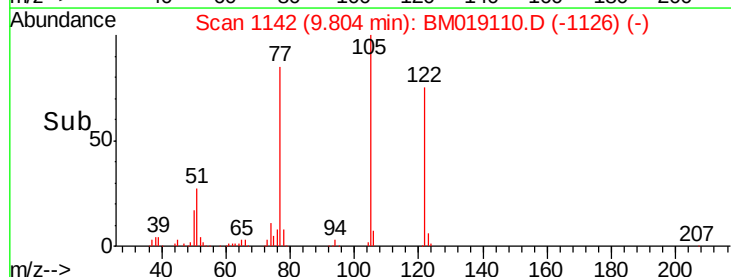
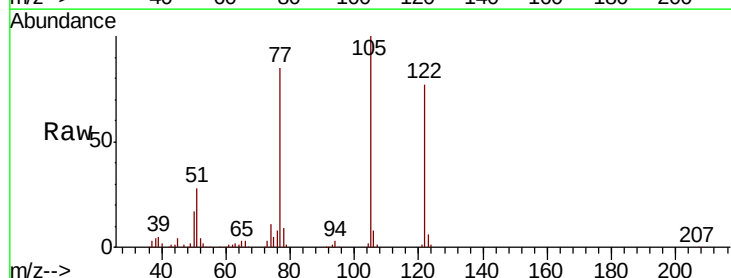
Tgt Ion:122 Resp: 387240

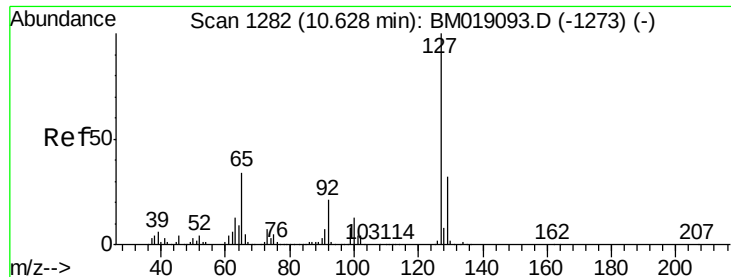
Ion Ratio Lower Upper

122 100

105 130.5 113.0 153.0

77 111.5 90.1 130.1

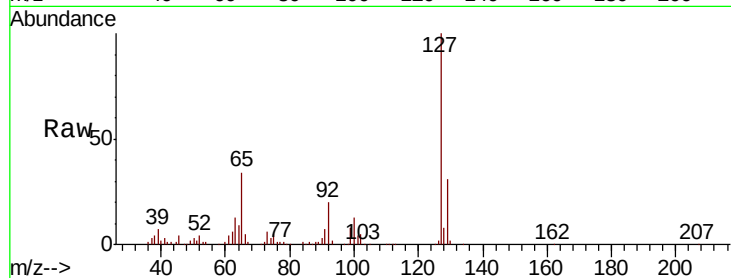




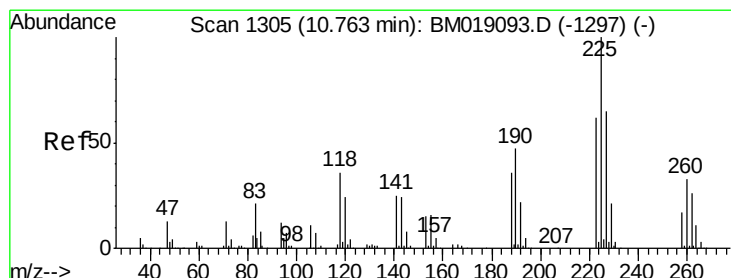
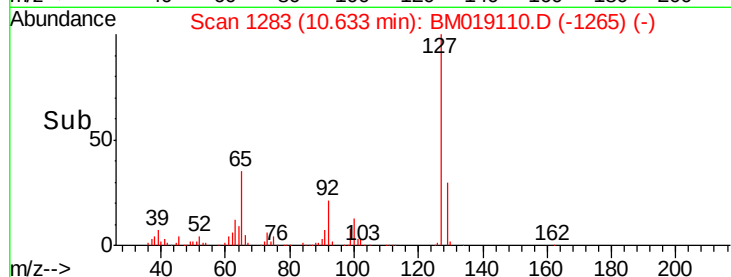
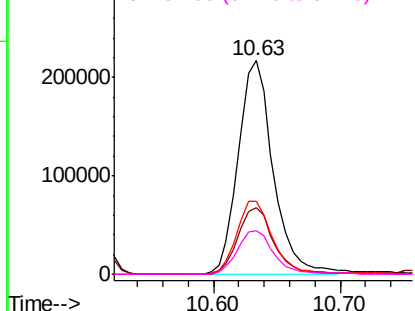
#33  
4-Chloroaniline  
Concen: 21.603 ng  
RT: 10.63 min Scan# 1283  
Delta R.T. 0.01 min  
Lab File: BM019110.D  
Acq: 12 Mar 2019 14:03

Instrument :  
BNA\_M  
ClientSampleId :  
PB117788BS

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 127   | Resp: | 416322 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 31.3  | 25.3  | 37.9   |
| 65       | 34.2  | 27.4  | 41.2   |
| 92       | 20.4  | 16.8  | 25.2   |

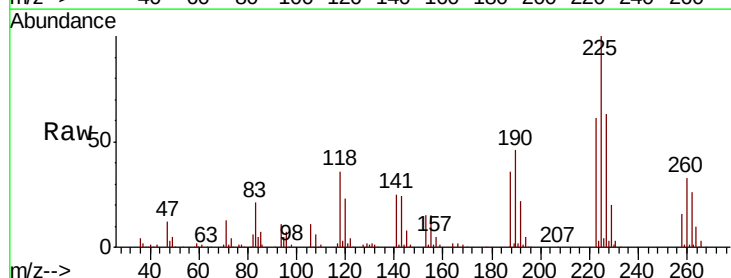


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BM  
Ion 92.00 (91.70 to 92.70): BM

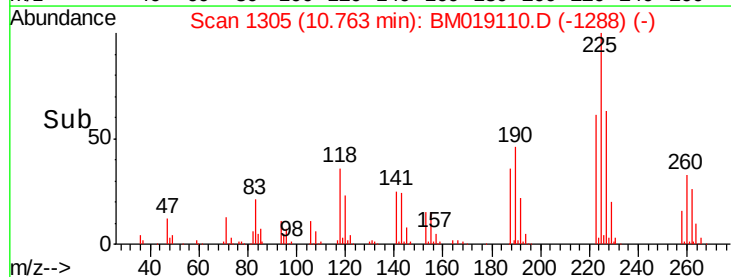
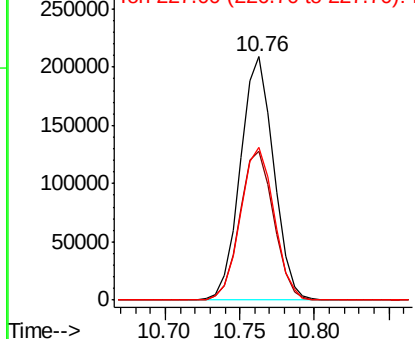


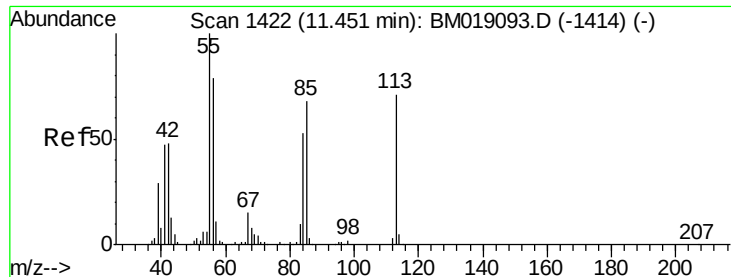
#34  
Hexachlorobutadiene  
Concen: 37.216 ng  
RT: 10.76 min Scan# 1305  
Delta R.T. -0.00 min  
Lab File: BM019110.D  
Acq: 12 Mar 2019 14:03

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 322539 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 61.4  | 49.4  | 74.0   |
| 227      | 62.5  | 51.6  | 77.4   |



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

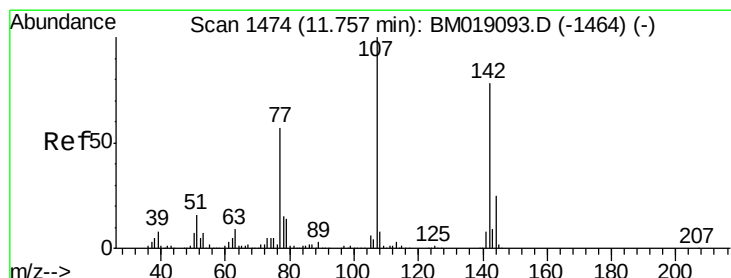
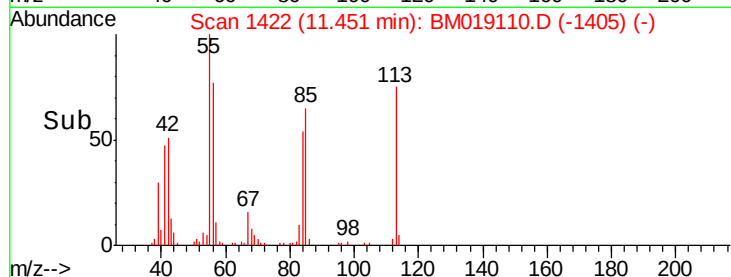
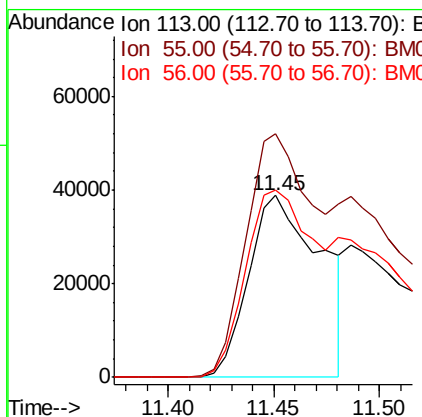
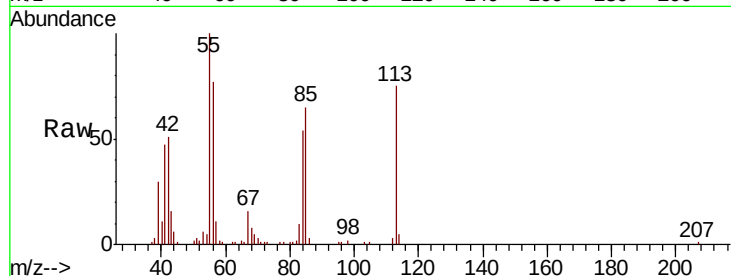




#35  
 Caprolactam  
 Concen: 19.295 ng  
 RT: 11.45 min Scan# 1422  
 Delta R.T. -0.00 min  
 Lab File: BM019110.D  
 Acq: 12 Mar 2019 14:03

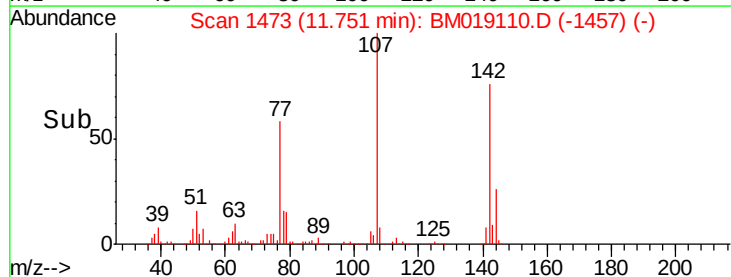
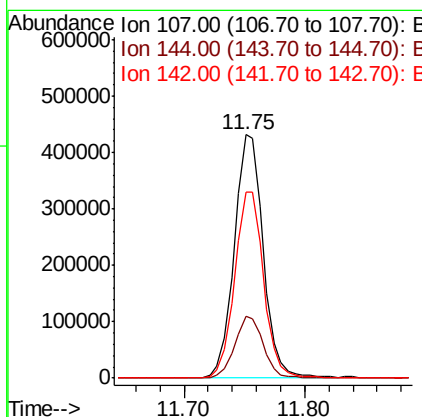
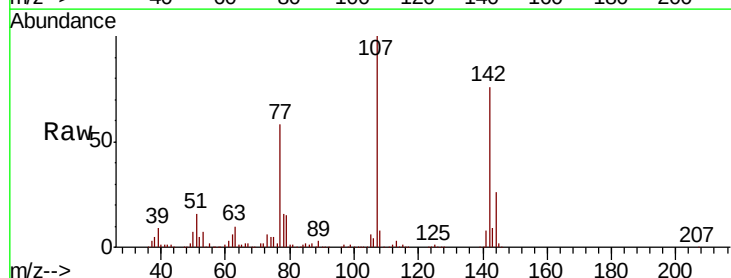
Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB117788BS

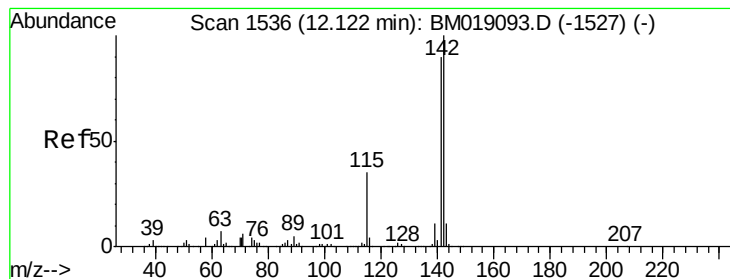
Tot Ion:113 Resp: 92056  
 Ion Ratio Lower Upper  
 113 100  
 55 133.8 120.1 160.1  
 56 103.0 90.1 130.1



#36  
 4-Chloro-3-methylphenol  
 Concen: 43.664 ng  
 RT: 11.75 min Scan# 1473  
 Delta R.T. -0.01 min  
 Lab File: BM019110.D  
 Acq: 12 Mar 2019 14:03

Tgt Ion:107 Resp: 721592  
 Ion Ratio Lower Upper  
 107 100  
 144 25.5 20.2 30.4  
 142 76.5 62.4 93.6





#37

2-Methylnaphthalene

Concen: 40.988 ng

RT: 12.12 min Scan# 1535

Delta R.T. -0.01 min

Lab File: BM019110.D

Acq: 12 Mar 2019 14:03

Instrument :

BNA\_M

ClientSampleId :

PB117788BS

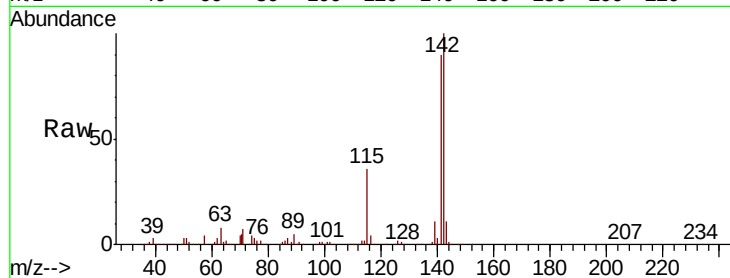
Tot Ion:142 Resp: 1400267

Ion Ratio Lower Upper

142 100

141 89.8 72.3 108.5

115 35.9 27.8 41.8

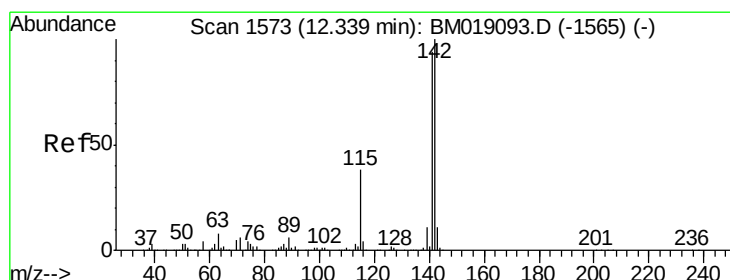
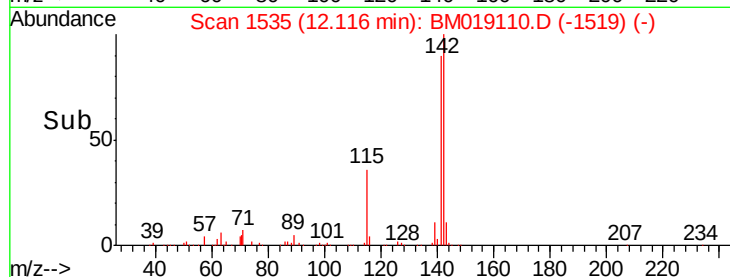
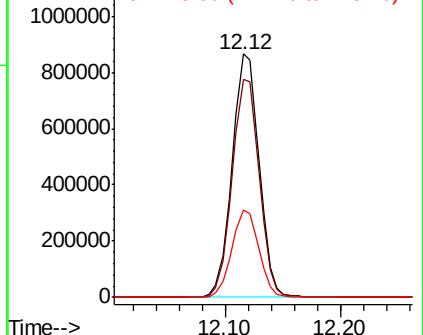


Abundance

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: 39.910 ng

RT: 12.34 min Scan# 1573

Delta R.T. -0.00 min

Lab File: BM019110.D

Acq: 12 Mar 2019 14:03

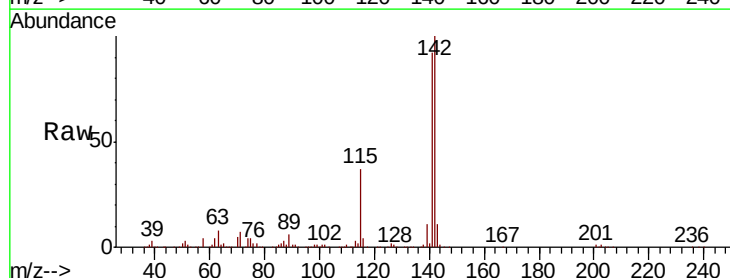
Tgt Ion:142 Resp: 1343888

Ion Ratio Lower Upper

142 100

141 92.0 74.9 112.3

116 4.0 3.2 4.8

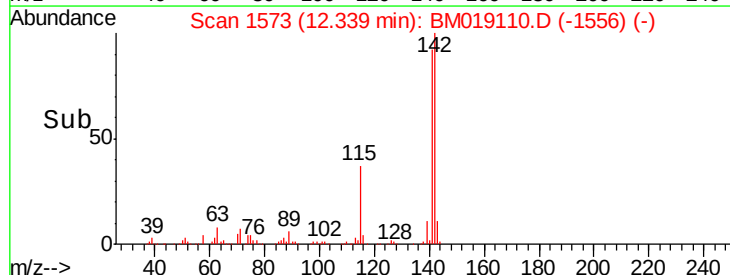
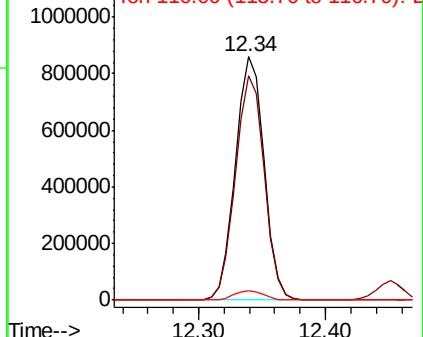


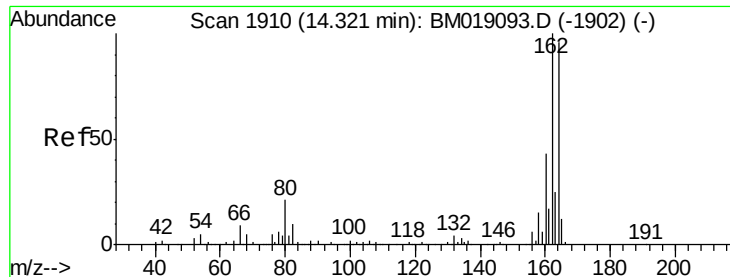
Abundance

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: 14.32 min Scan# 1909

Delta R.T. -0.01 min

Lab File: BM019110.D

Acq: 12 Mar 2019 14:03

Instrument :

BNA\_M

ClientSampleId :

PB117788BS

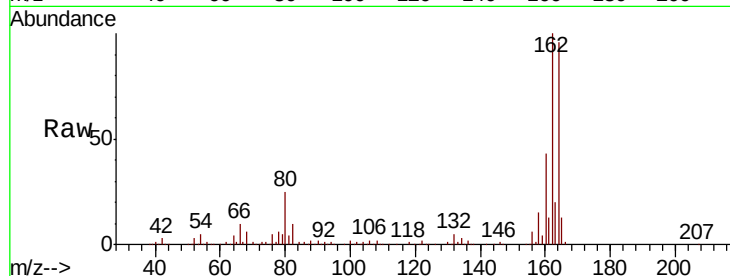
Tot Ion:164 Resp: 545000

Ion Ratio Lower Upper

164 100

162 104.4 83.5 125.3

160 44.6 36.3 54.5

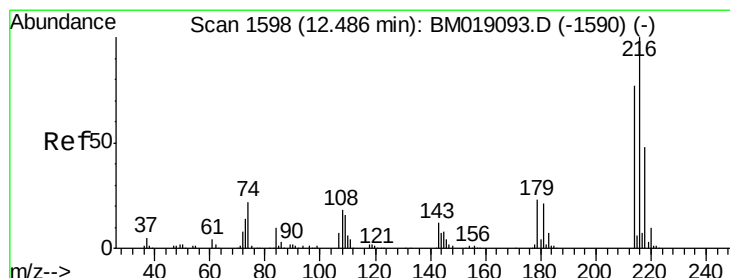
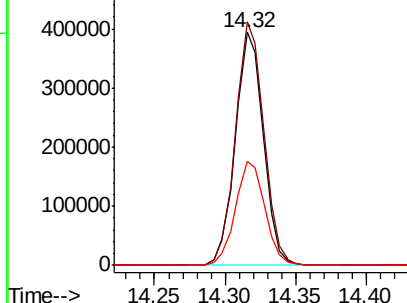
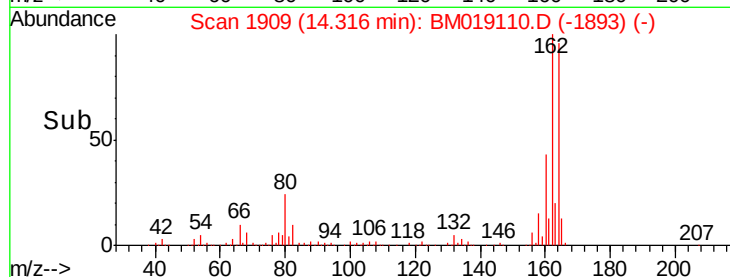


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 38.239 ng

RT: 12.49 min Scan# 1598

Delta R.T. -0.00 min

Lab File: BM019110.D

Acq: 12 Mar 2019 14:03

Tgt Ion:216 Resp: 659231

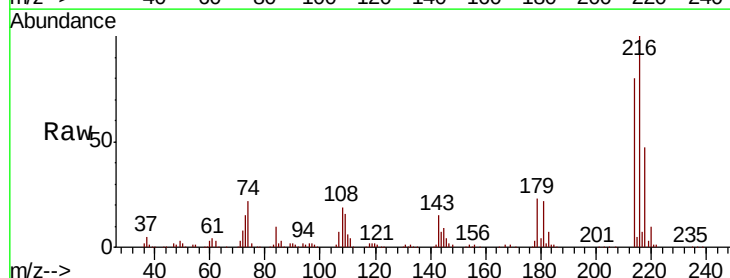
Ion Ratio Lower Upper

216 100

214 78.6 62.9 94.3

179 22.8 18.0 27.0

108 18.8 16.2 24.4



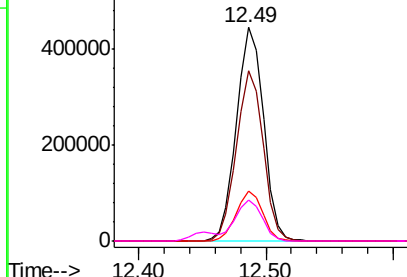
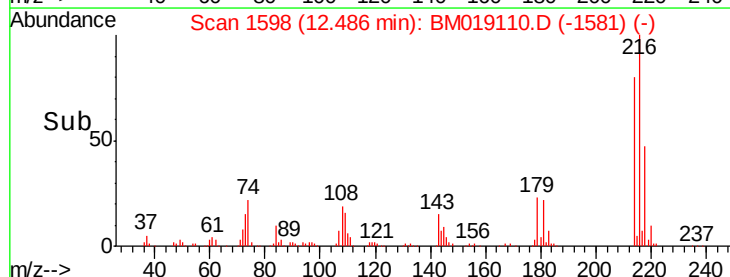
Abundance

Ion 216.00 (215.70 to 216.70): E

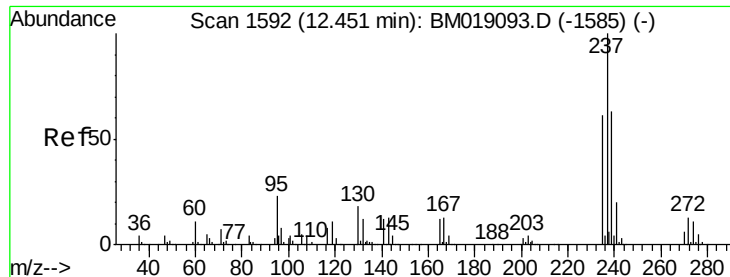
Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E







#41

Hexachlorocyclopentadiene

Concen: 100.260 ng

RT: 12.45 min Scan# 1592

Delta R.T. -0.00 min

Lab File: BM019110.D

Acq: 12 Mar 2019 14:03

Instrument :

BNA\_M

ClientSampleId :

PB117788BS

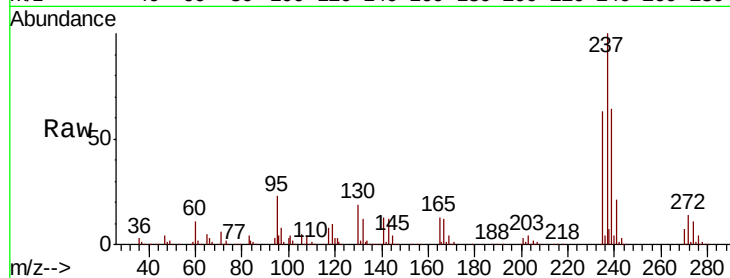
Tot Ion:237 Resp: 782925

Ion Ratio Lower Upper

237 100

235 62.5 41.3 81.3

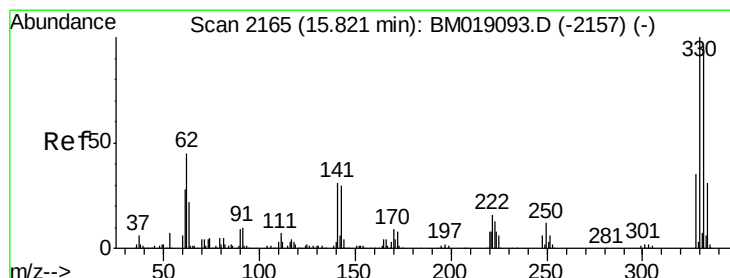
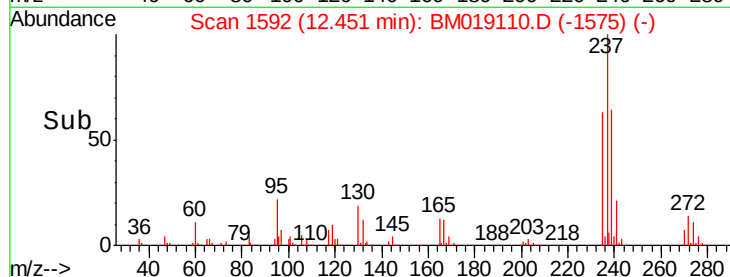
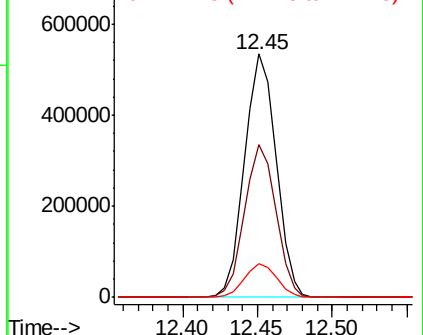
272 13.6 0.0 33.1



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: 137.369 ng

RT: 15.82 min Scan# 2165

Delta R.T. -0.00 min

Lab File: BM019110.D

Acq: 12 Mar 2019 14:03

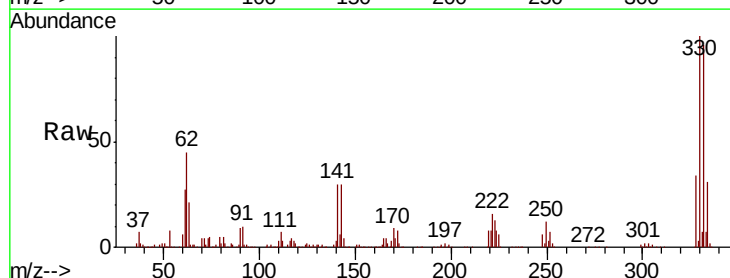
Tgt Ion:330 Resp: 1105369

Ion Ratio Lower Upper

330 100

332 96.4 76.8 115.2

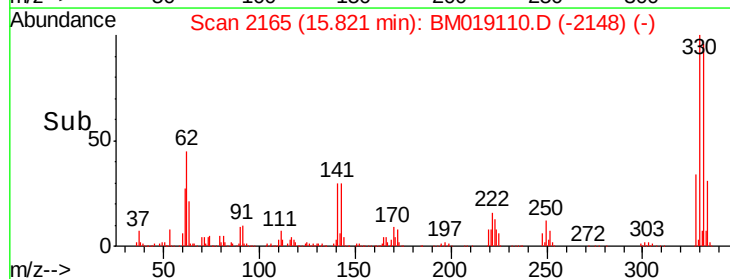
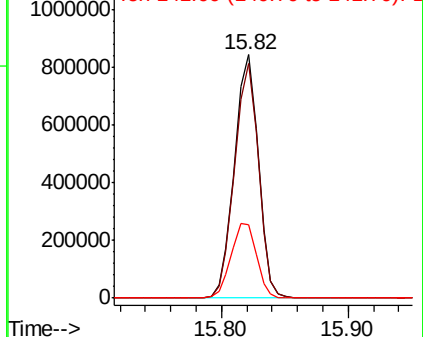
141 32.9 27.0 40.4

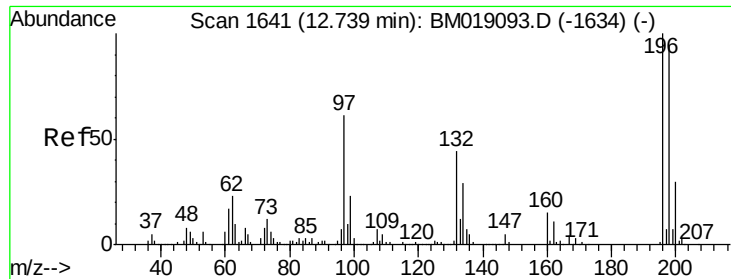


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

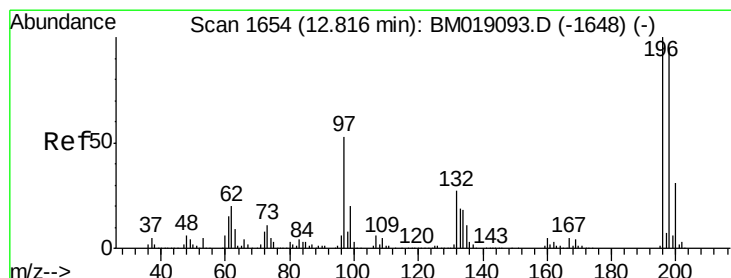
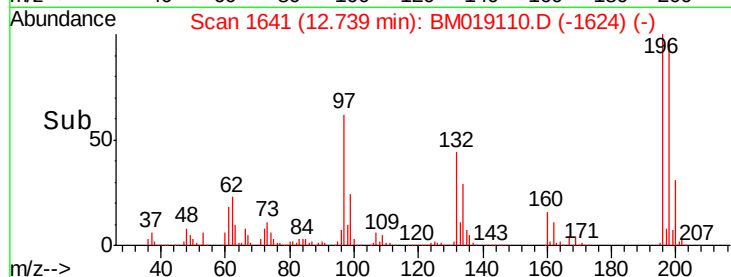
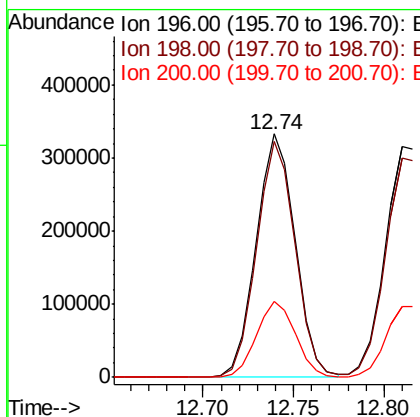
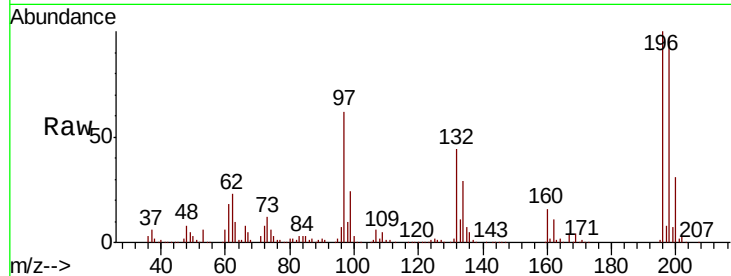




#43  
 2,4,6-Trichlorophenol  
 Concen: 44.589 ng  
 RT: 12.74 min Scan# 1641  
 Delta R.T. -0.00 min  
 Lab File: BM019110.D  
 Acq: 12 Mar 2019 14:03

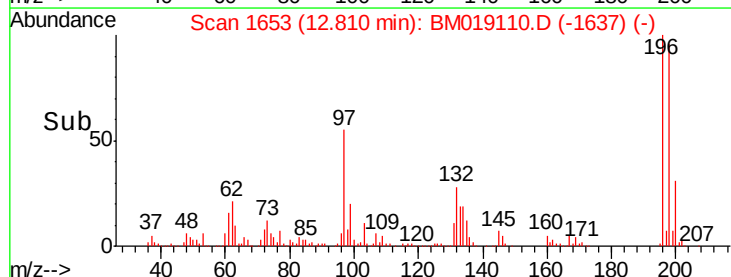
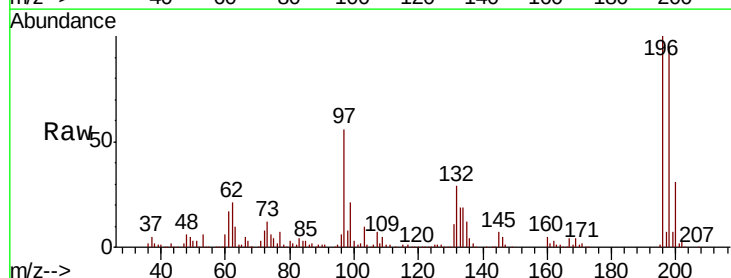
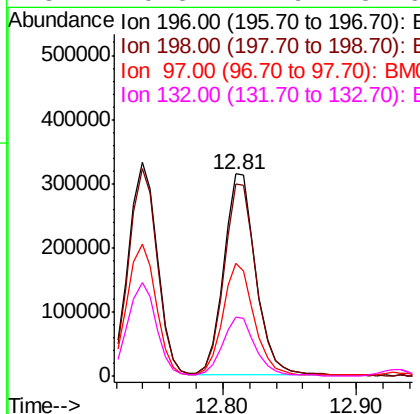
Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB117788BS

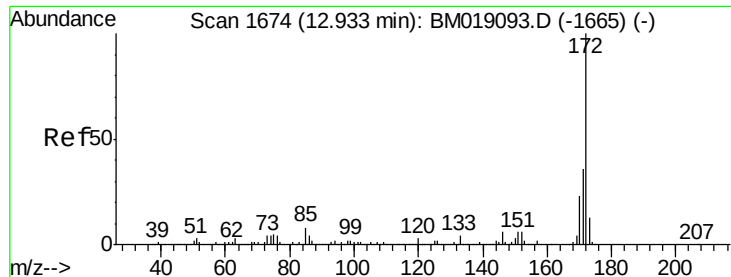
Tot Ion:196 Resp: 496771  
 Ion Ratio Lower Upper  
 196 100  
 198 96.8 75.4 113.0  
 200 31.2 24.2 36.2



#44  
 2,4,5-Trichlorophenol  
 Concen: 43.823 ng  
 RT: 12.81 min Scan# 1653  
 Delta R.T. -0.01 min  
 Lab File: BM019110.D  
 Acq: 12 Mar 2019 14:03

Tgt Ion:196 Resp: 522088  
 Ion Ratio Lower Upper  
 196 100  
 198 95.2 75.9 113.9  
 97 55.6 42.5 63.7  
 132 29.3 21.9 32.9

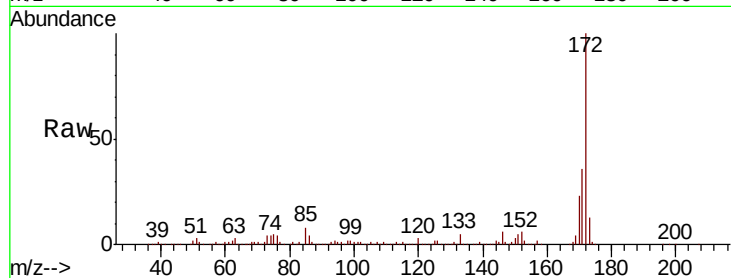




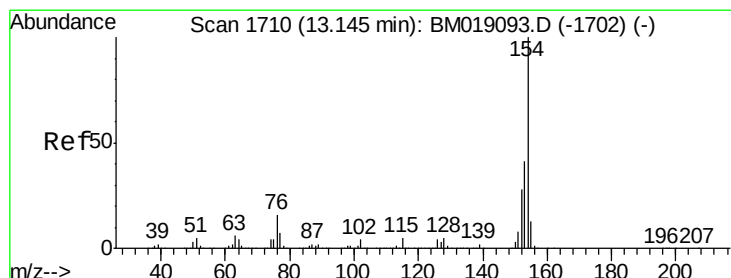
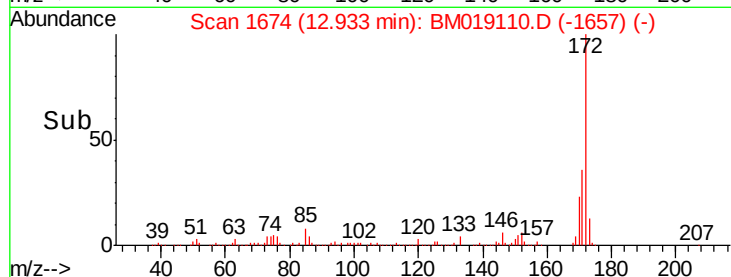
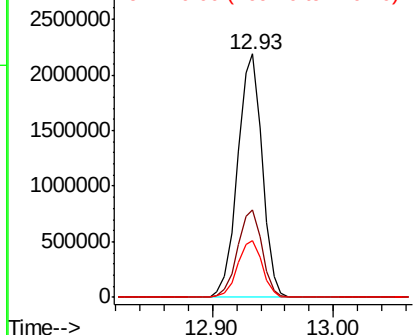
#45  
2-Fluorobiphenyl  
Concen: 74.145 ng  
RT: 12.93 min Scan# 1674  
Delta R.T. -0.00 min  
Lab File: BM019110.D  
Acq: 12 Mar 2019 14:03

Instrument :  
BNA\_M  
ClientSampleId :  
PB117788BS

Tot Ion:172 Resp: 3106588  
Ion Ratio Lower Upper  
172 100  
171 36.0 28.6 42.8  
170 23.4 18.6 28.0

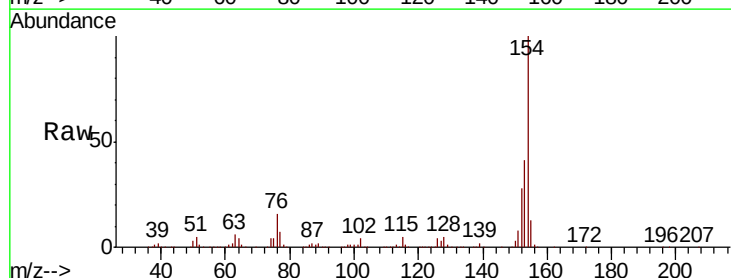


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

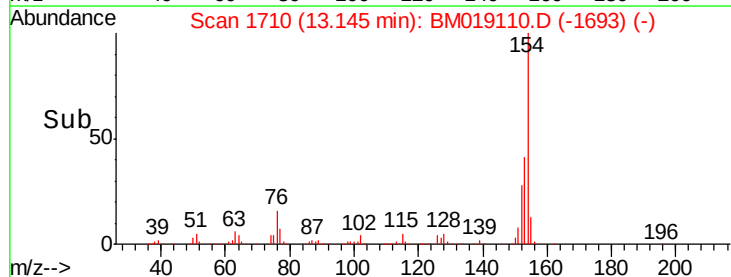
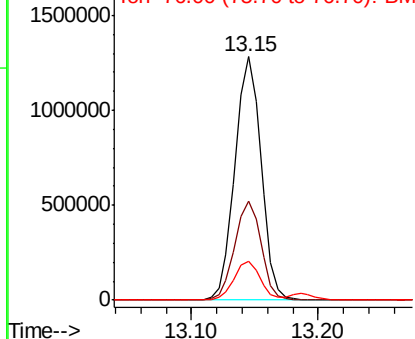


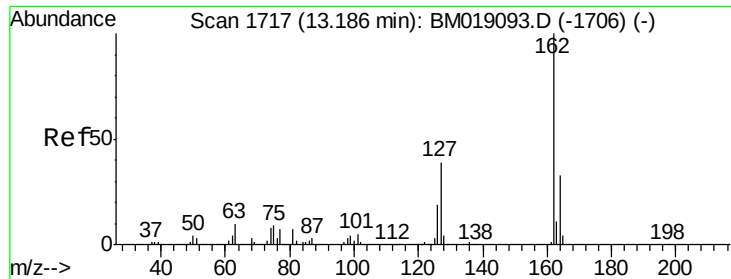
#46  
1,1'-Biphenyl  
Concen: 38.423 ng  
RT: 13.15 min Scan# 1710  
Delta R.T. -0.00 min  
Lab File: BM019110.D  
Acq: 12 Mar 2019 14:03

Tgt Ion:154 Resp: 1828752  
Ion Ratio Lower Upper  
154 100  
153 40.7 21.5 61.5  
76 15.9 0.0 35.8



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

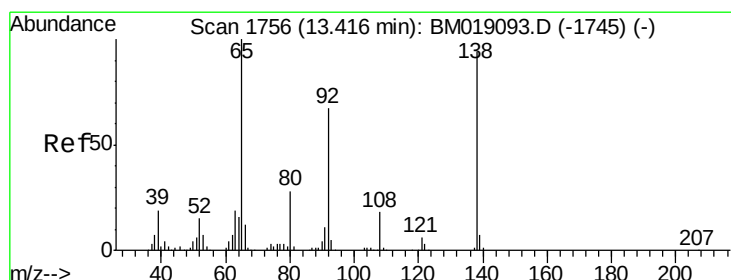
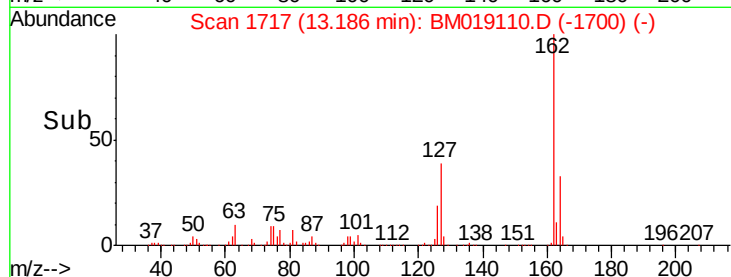
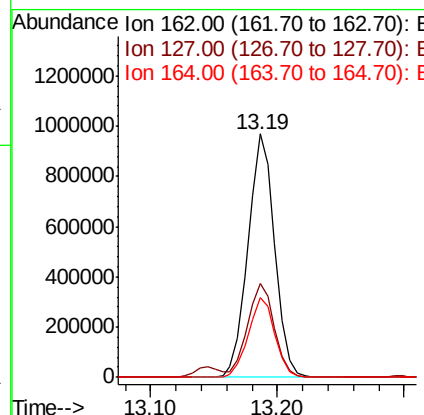
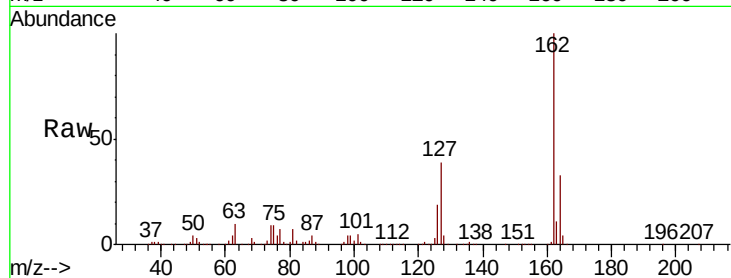




#47  
2-Chloronaphthalene  
Concen: 39.823 ng  
RT: 13.19 min Scan# 1717  
Delta R.T. -0.00 min  
Lab File: BM019110.D  
Acq: 12 Mar 2019 14:03

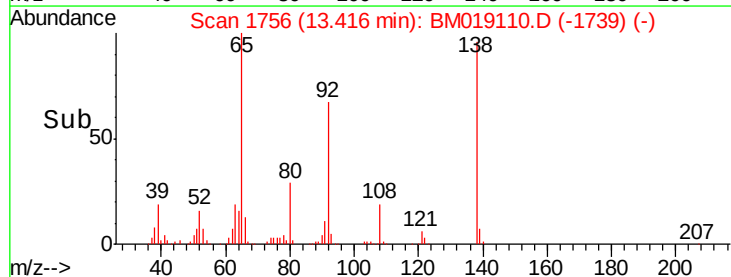
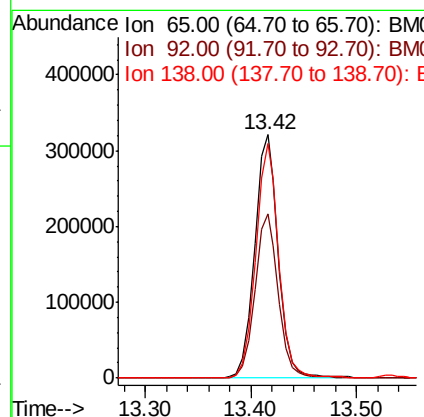
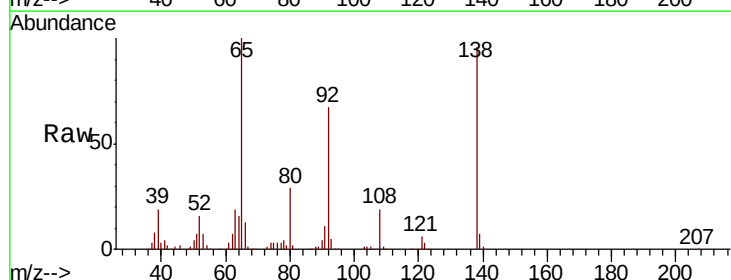
Instrument :  
BNA\_M  
ClientSampleId :  
PB117788BS

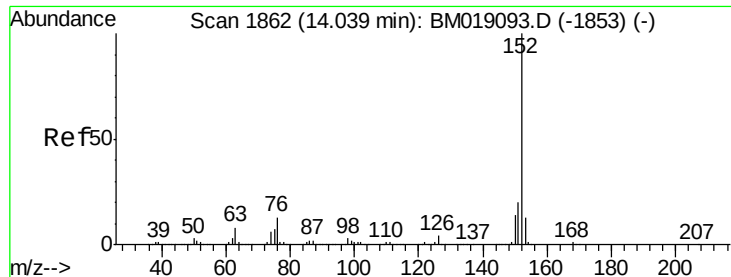
Tot Ion:162 Resp: 1414783  
Ion Ratio Lower Upper  
162 100  
127 38.6 31.2 46.8  
164 32.8 26.3 39.5



#48  
2-Nitroaniline  
Concen: 41.846 ng  
RT: 13.42 min Scan# 1756  
Delta R.T. -0.00 min  
Lab File: BM019110.D  
Acq: 12 Mar 2019 14:03

Tgt Ion: 65 Resp: 498581  
Ion Ratio Lower Upper  
65 100  
92 67.4 53.4 80.2  
138 96.4 74.9 112.3





#49

Acenaphthylene

Concen: 38.741 ng

RT: 14.04 min Scan# 1862

Delta R.T. -0.00 min

Lab File: BM019110.D

Acq: 12 Mar 2019 14:03

Instrument :

BNA\_M

ClientSampleId :

PB117788BS

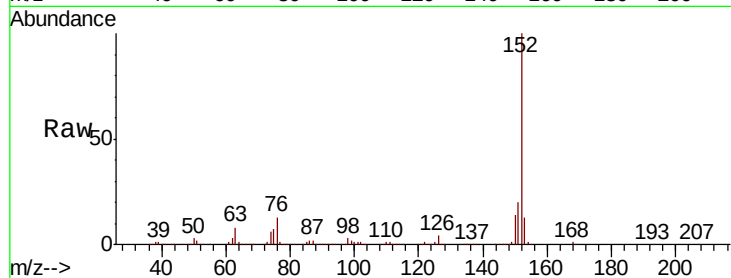
Tot Ion:152 Resp: 2327181

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 151 | 20.1  | 16.2  | 24.2  |
| 153 | 13.2  | 10.6  | 15.8  |

152 100

151 20.1 16.2 24.2

153 13.2 10.6 15.8

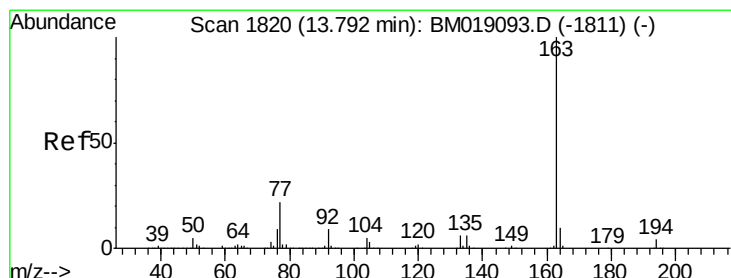
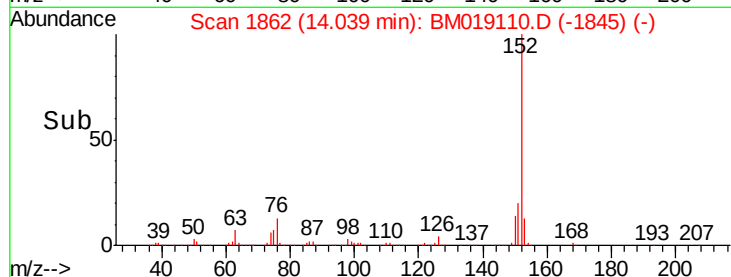
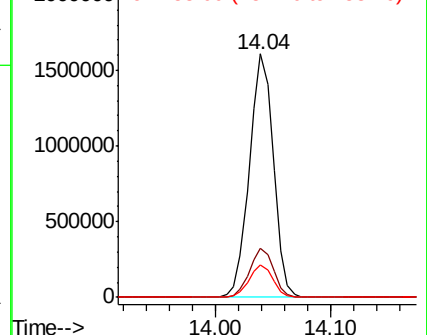


Abundance

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: 40.137 ng

RT: 13.79 min Scan# 1819

Delta R.T. -0.01 min

Lab File: BM019110.D

Acq: 12 Mar 2019 14:03

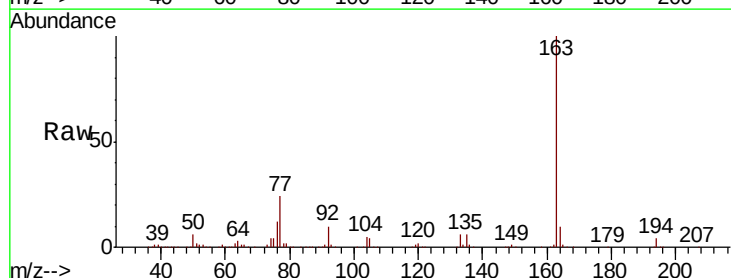
Tgt Ion:163 Resp: 1871258

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 163 | 100   |       |       |
| 194 | 4.0   | 3.3   | 4.9   |
| 164 | 10.3  | 7.7   | 11.5  |

163 100

194 4.0 3.3 4.9

164 10.3 7.7 11.5

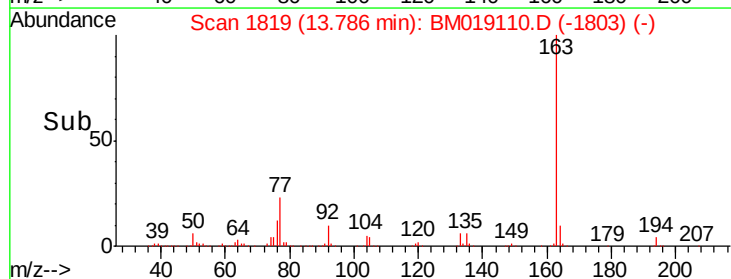
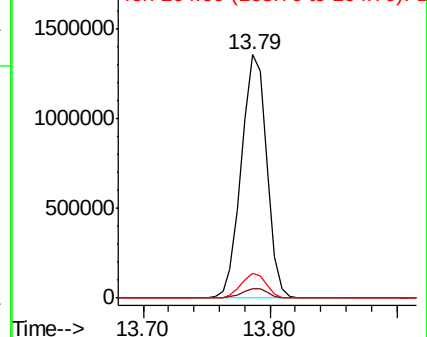


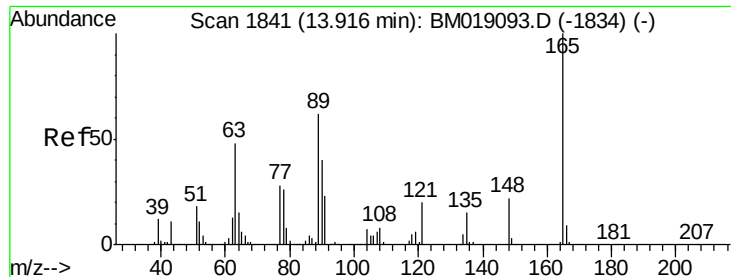
Abundance

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

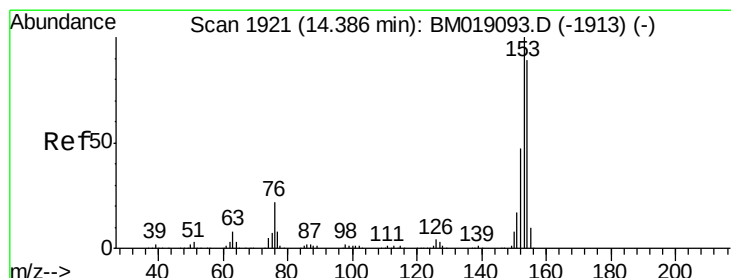
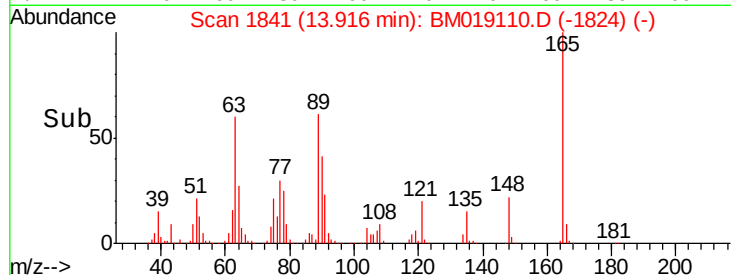
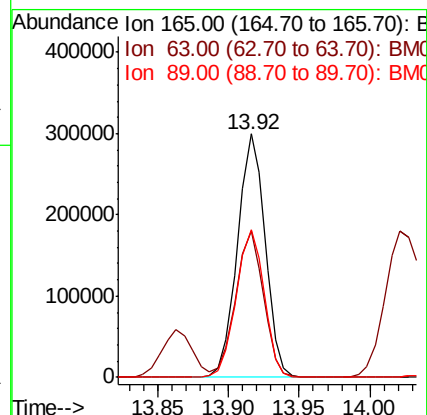
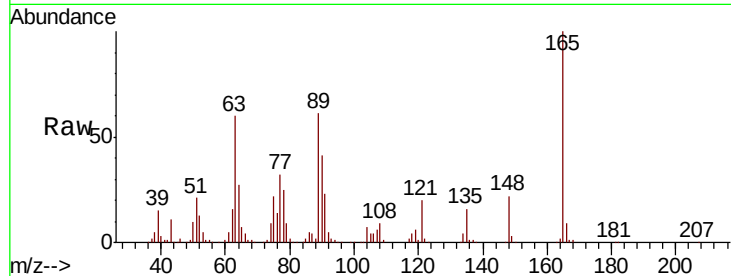




#51  
2,6-Dinitrotoluene  
Concen: 40.690 ng  
RT: 13.92 min Scan# 1841  
Delta R.T. -0.00 min  
Lab File: BM019110.D  
Acq: 12 Mar 2019 14:03

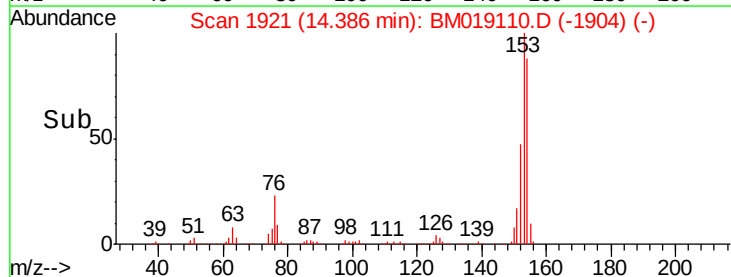
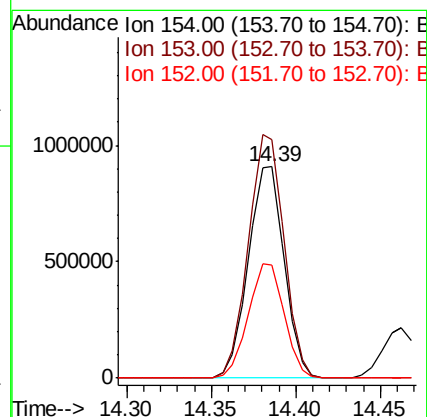
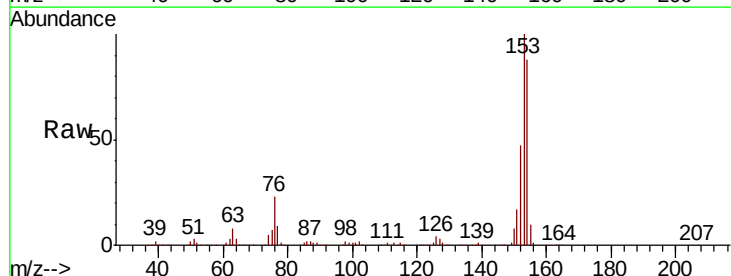
Instrument :  
BNA\_M  
ClientSampleId :  
PB117788BS

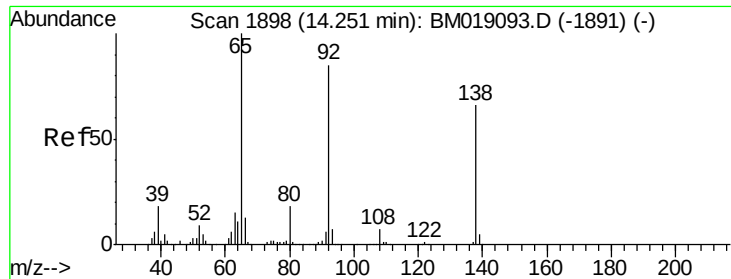
Tot Ion:165 Resp: 410090  
Ion Ratio Lower Upper  
165 100  
63 60.3 48.2 72.4  
89 60.8 49.3 73.9



#52  
Acenaphthene  
Concen: 39.038 ng  
RT: 14.39 min Scan# 1921  
Delta R.T. -0.00 min  
Lab File: BM019110.D  
Acq: 12 Mar 2019 14:03

Tgt Ion:154 Resp: 1347478  
Ion Ratio Lower Upper  
154 100  
153 113.1 90.1 135.1  
152 53.7 42.5 63.7





#53

3-Nitroaniline

Concen: 26.869 ng

RT: 14.25 min Scan# 1898

Delta R.T. -0.00 min

Lab File: BM019110.D

Acq: 12 Mar 2019 14:03

Instrument :

BNA\_M

ClientSampleId :

PB117788BS

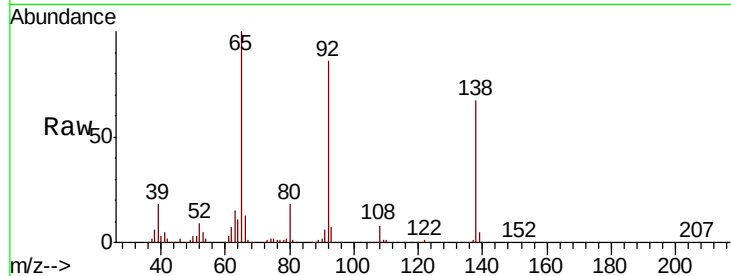
Tot Ion:138 Resp: 286810

Ion Ratio Lower Upper

138 100

108 11.3 9.0 13.4

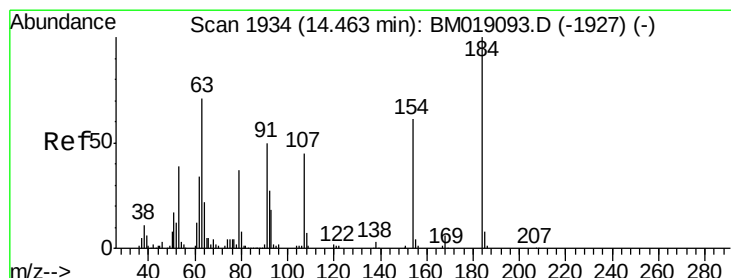
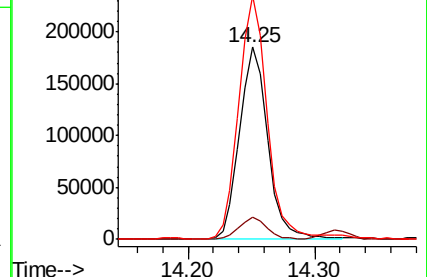
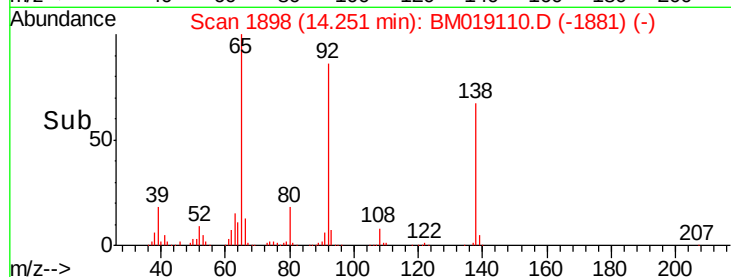
92 126.9 102.6 153.8



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BM



#54

2,4-Dinitrophenol

Concen: 87.251 ng

RT: 14.46 min Scan# 1934

Delta R.T. -0.00 min

Lab File: BM019110.D

Acq: 12 Mar 2019 14:03

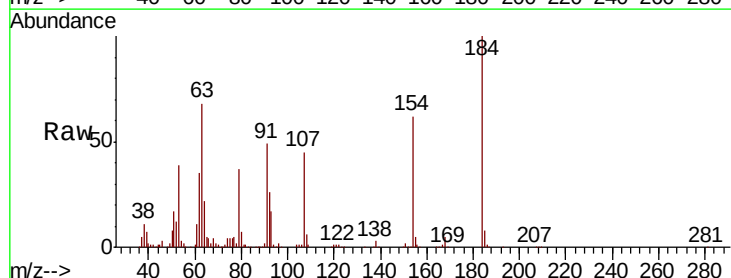
Tgt Ion:184 Resp: 510679

Ion Ratio Lower Upper

184 100

63 67.6 56.7 85.1

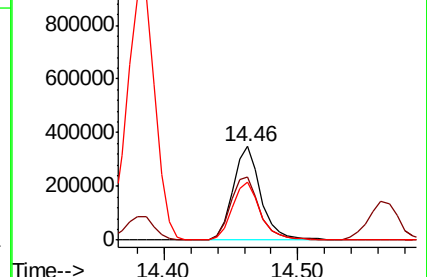
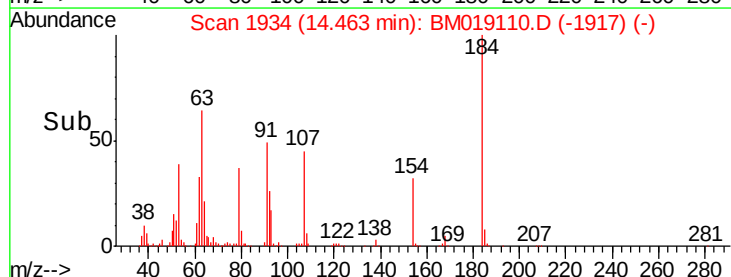
154 61.6 49.3 73.9

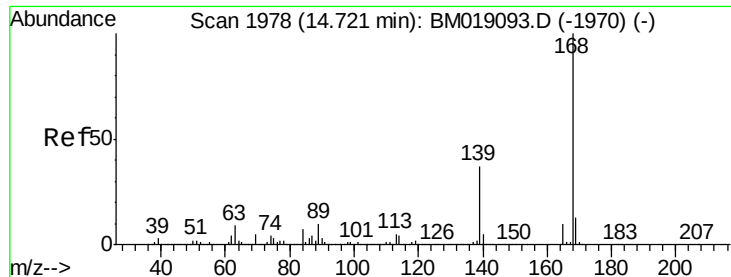


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BM

Ion 154.00 (153.70 to 154.70): E

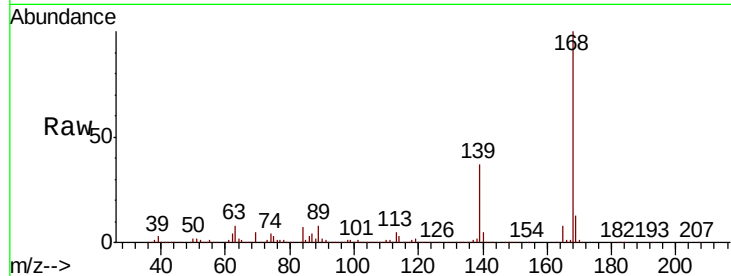




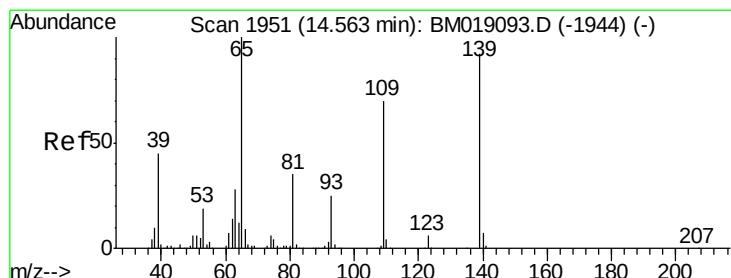
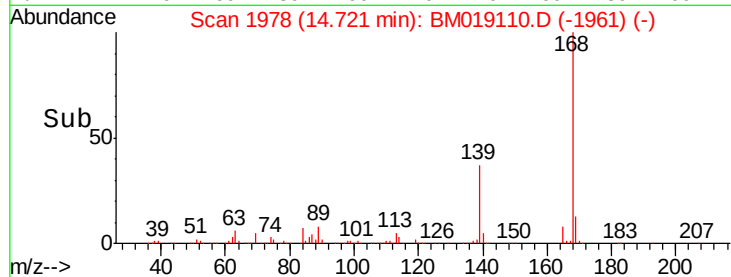
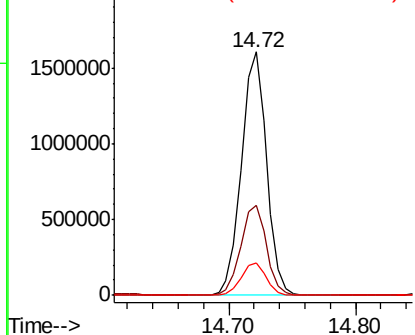
#55  
Dibenzenofuran  
Concen: 39.621 ng  
RT: 14.72 min Scan# 1978  
Delta R.T. -0.00 min  
Lab File: BM019110.D  
Acq: 12 Mar 2019 14:03

Instrument :  
BNA\_M  
ClientSampleId :  
PB117788BS

Tot Ion:168 Resp: 2205537  
Ion Ratio Lower Upper  
168 100  
139 37.1 30.1 45.1  
169 13.3 10.6 16.0

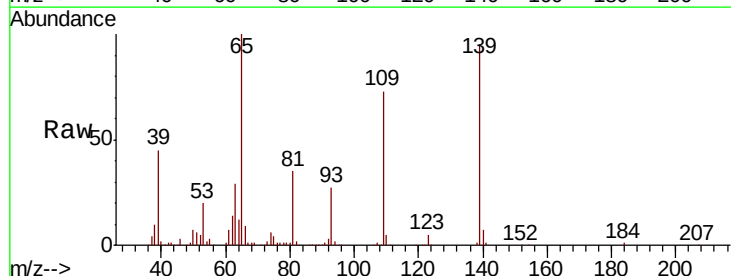


Abundance Ion 168.00 (167.70 to 168.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 169.00 (168.70 to 169.70): E

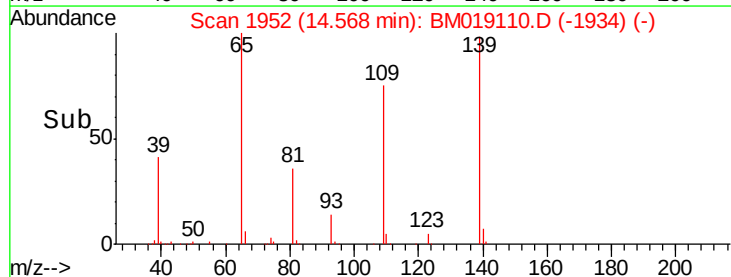
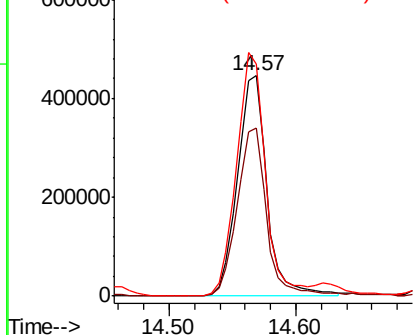


#56  
4-Nitrophenol  
Concen: 82.286 ng  
RT: 14.57 min Scan# 1952  
Delta R.T. 0.01 min  
Lab File: BM019110.D  
Acq: 12 Mar 2019 14:03

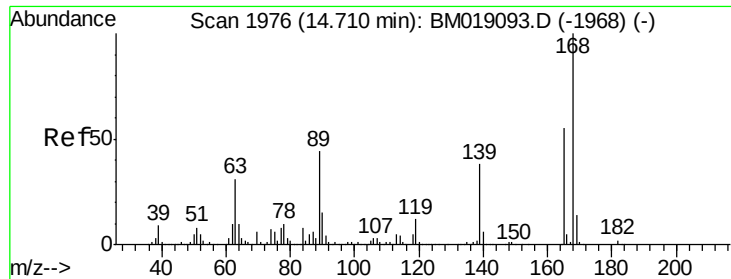
Tgt Ion:139 Resp: 717136  
Ion Ratio Lower Upper  
139 100  
109 76.5 56.3 96.3  
65 105.5 89.2 129.2



Abundance Ion 139.00 (138.70 to 139.70): E  
Ion 109.00 (108.70 to 109.70): E  
Ion 65.00 (64.70 to 65.70): E



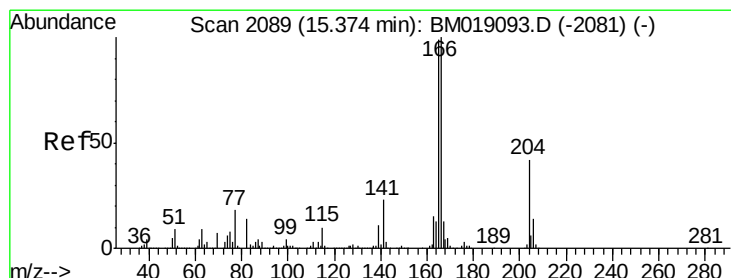
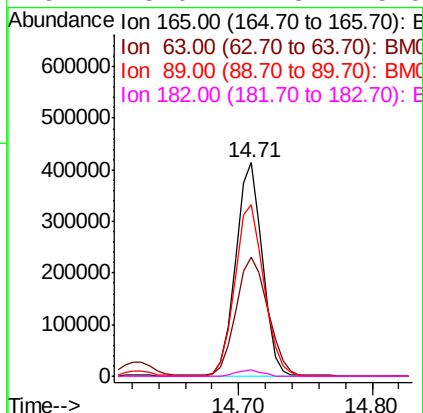
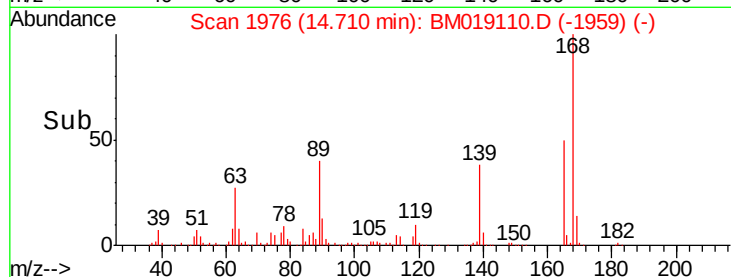
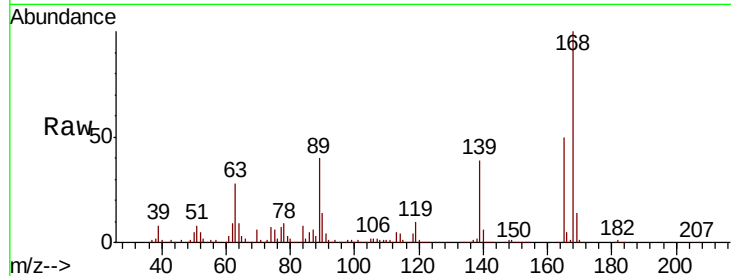




#57  
2,4-Dinitrotoluene  
Concen: 39.292 ng  
RT: 14.71 min Scan# 1976  
Delta R.T. -0.00 min  
Lab File: BM019110.D  
Acq: 12 Mar 2019 14:03

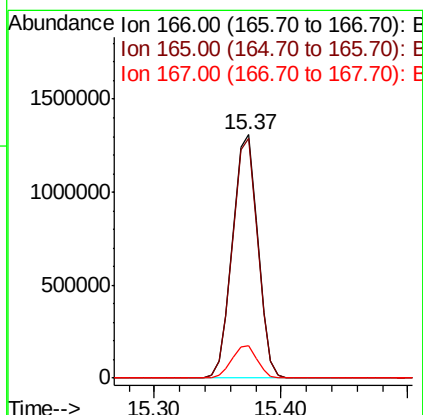
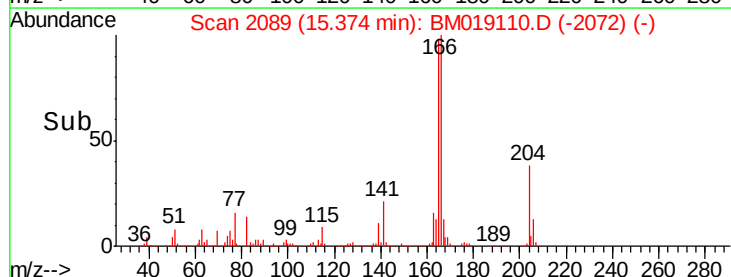
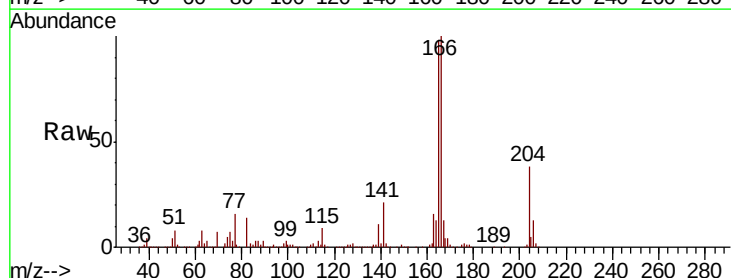
Instrument :  
BNA\_M  
ClientSampleId :  
PB117788BS

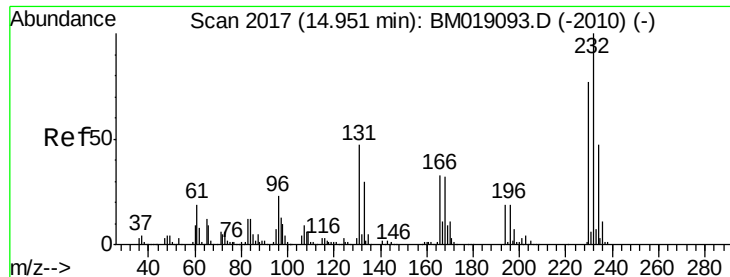
Tot Ion:165 Resp: 574825  
Ion Ratio Lower Upper  
165 100  
63 56.0 44.7 67.1  
89 80.6 63.4 95.2  
182 3.0 2.3 3.5



#58  
Fluorene  
Concen: 39.305 ng  
RT: 15.37 min Scan# 2089  
Delta R.T. -0.00 min  
Lab File: BM019110.D  
Acq: 12 Mar 2019 14:03

Tgt Ion:166 Resp: 1803444  
Ion Ratio Lower Upper  
166 100  
165 98.2 79.0 118.4  
167 13.4 10.8 16.2

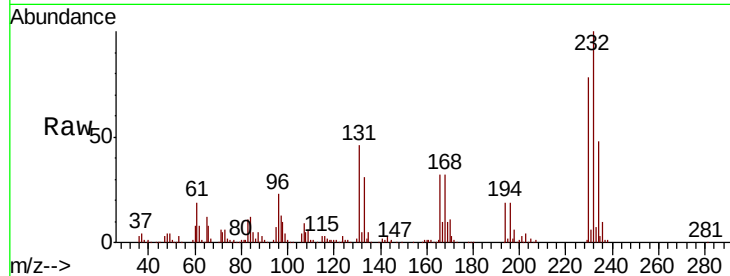




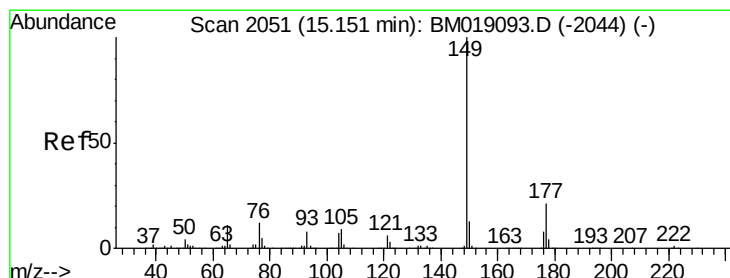
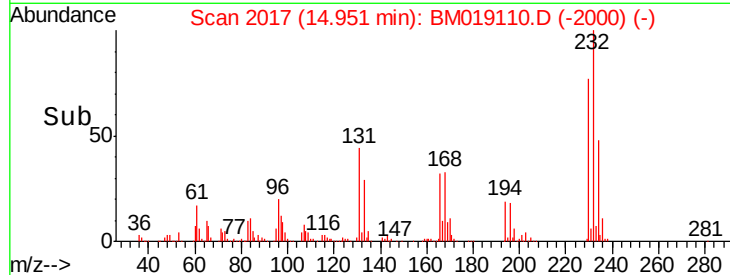
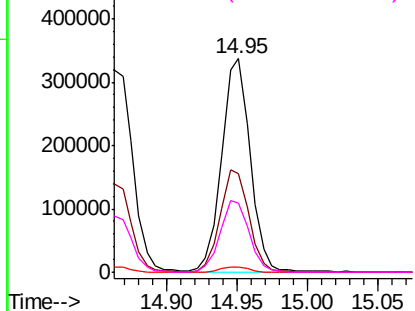
#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 42.422 ng  
 RT: 14.95 min Scan# 2017  
 Delta R.T. -0.00 min  
 Lab File: BM019110.D  
 Acq: 12 Mar 2019 14:03

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB117788BS

|             |       |             |
|-------------|-------|-------------|
| Tot Ion:232 | Resp: | 470501      |
| Ion         | Ratio | Lower Upper |
| 232         | 100   |             |
| 131         | 48.4  | 38.2 57.2   |
| 130         | 2.5   | 1.9 2.9     |
| 166         | 34.0  | 27.0 40.4   |

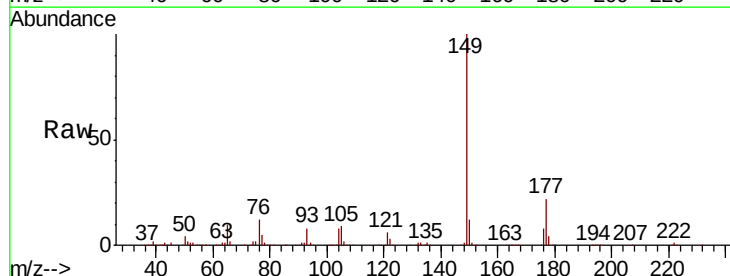


Abundance Ion 232.00 (231.70 to 232.70): E  
 Ion 131.00 (130.70 to 131.70): E  
 Ion 130.00 (129.70 to 130.70): E  
 Ion 166.00 (165.70 to 166.70): E

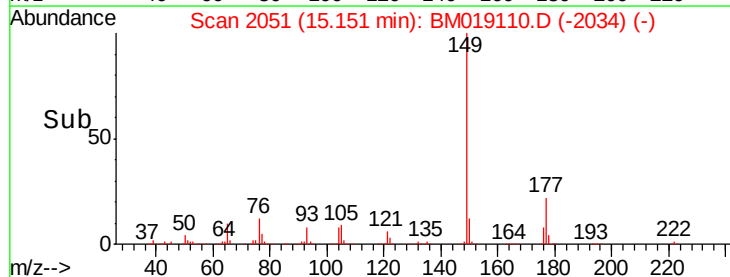
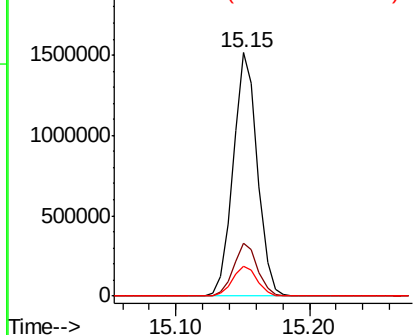


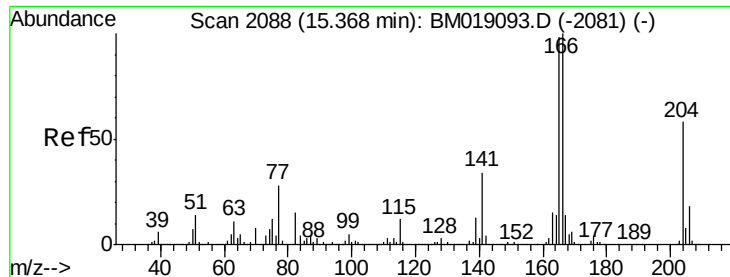
#60  
 Diethylphthalate  
 Concen: 40.437 ng  
 RT: 15.15 min Scan# 2051  
 Delta R.T. -0.00 min  
 Lab File: BM019110.D  
 Acq: 12 Mar 2019 14:03

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:149 | Resp: | 1909377     |
| Ion         | Ratio | Lower Upper |
| 149         | 100   |             |
| 177         | 21.6  | 17.0 25.6   |
| 150         | 12.5  | 10.2 15.4   |



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

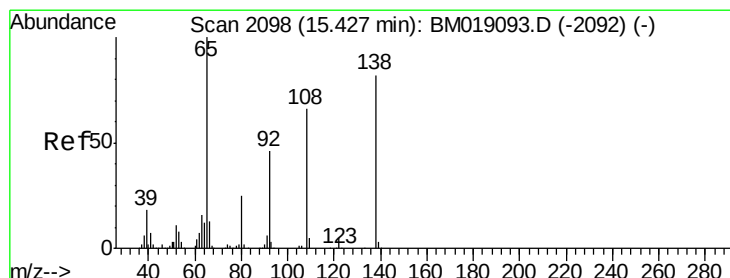
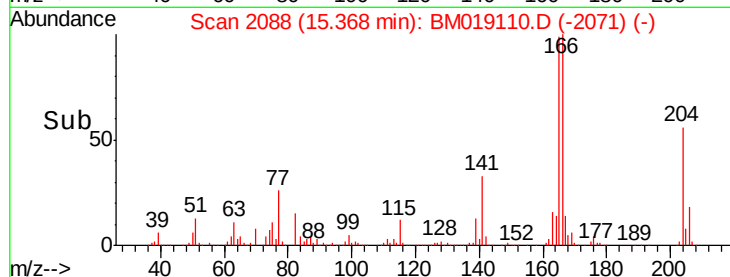
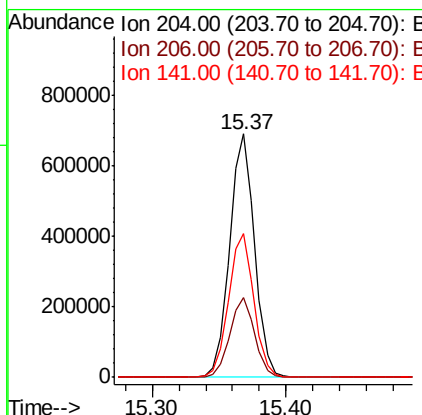
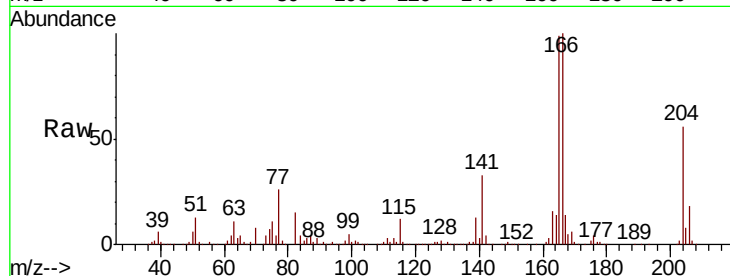




#61  
 4-Chlorophenyl-phenylether  
 Concen: 40.238 ng  
 RT: 15.37 min Scan# 2088  
 Delta R.T. -0.00 min  
 Lab File: BM019110.D  
 Acq: 12 Mar 2019 14:03

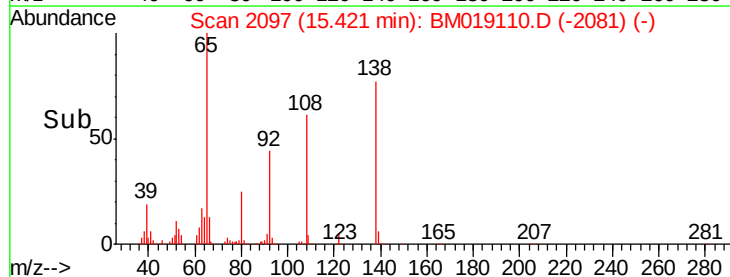
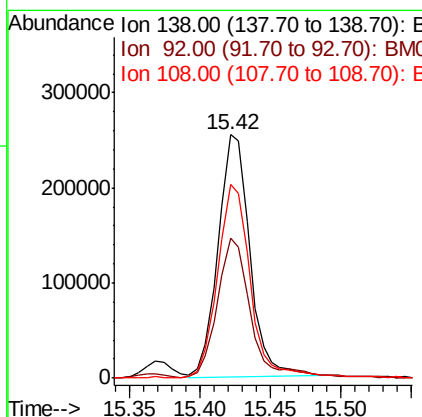
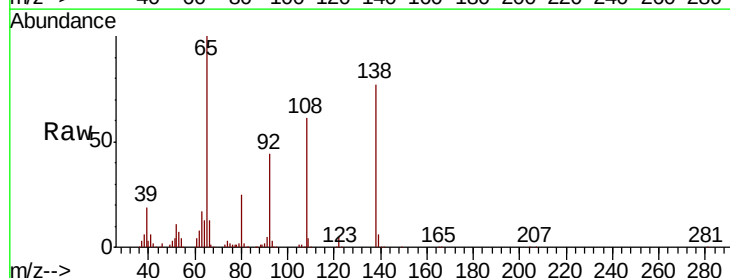
Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB117788BS

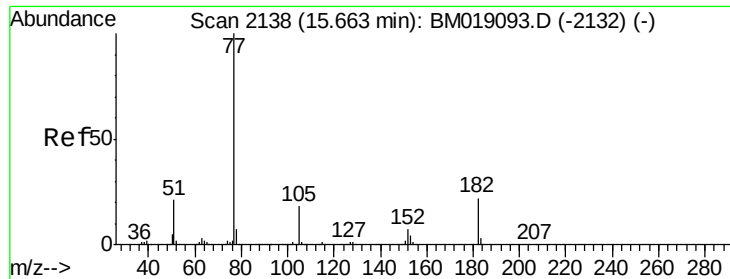
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 33.0  | 25.5  | 38.3  |
| 141     | 59.2  | 47.8  | 71.8  |



#62  
 4-Nitroaniline  
 Concen: 37.015 ng  
 RT: 15.42 min Scan# 2097  
 Delta R.T. -0.01 min  
 Lab File: BM019110.D  
 Acq: 12 Mar 2019 14:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 57.4  | 36.2  | 76.2  |
| 108     | 79.7  | 59.7  | 99.7  |





#63

Azobenzene

Concen: 41.272 ng

RT: 15.66 min Scan# 2138

Delta R.T. -0.00 min

Lab File: BM019110.D

Acq: 12 Mar 2019 14:03

Instrument :

BNA\_M

ClientSampleId :

PB117788BS

Tot Ion: 77 Resp: 2050689

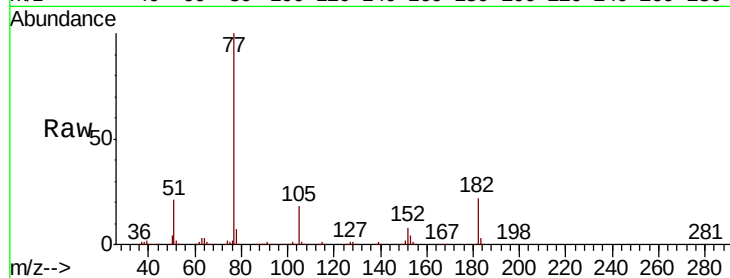
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 182 | 21.8  | 1.8   | 41.8  |
| 105 | 17.7  | 0.0   | 38.3  |
| 51  | 20.6  | 0.8   | 40.8  |

77 100

182 21.8 1.8 41.8

105 17.7 0.0 38.3

51 20.6 0.8 40.8

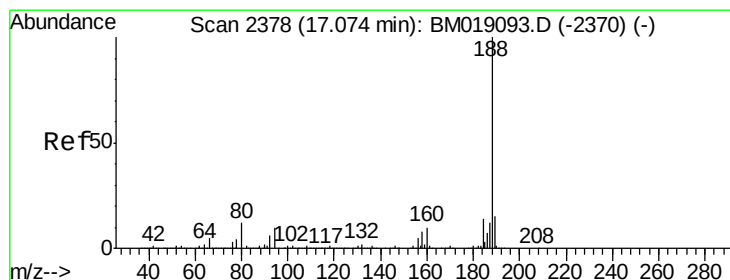
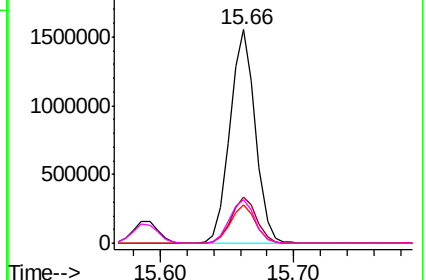
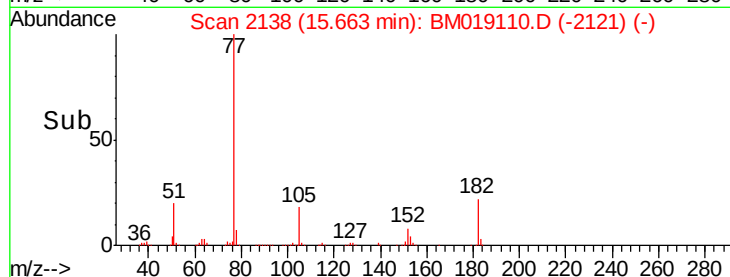


Abundance Ion 77.00 (76.70 to 77.70): BM0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BM0



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.07 min Scan# 2378

Delta R.T. -0.00 min

Lab File: BM019110.D

Acq: 12 Mar 2019 14:03

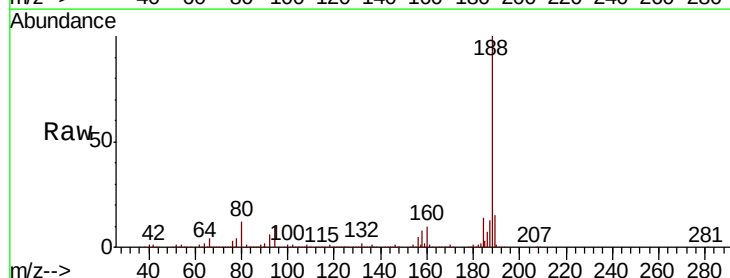
Tgt Ion:188 Resp: 1204363

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 188 | 100   |       |       |
| 94  | 9.9   | 8.1   | 12.1  |
| 80  | 12.2  | 9.7   | 14.5  |

188 100

94 9.9 8.1 12.1

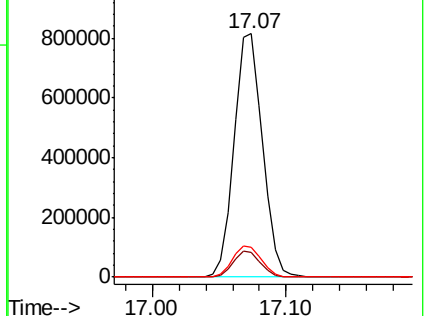
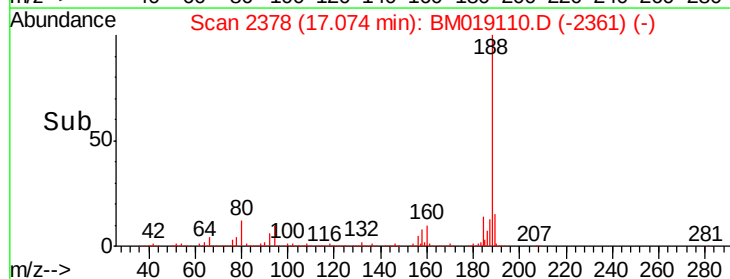
80 12.2 9.7 14.5

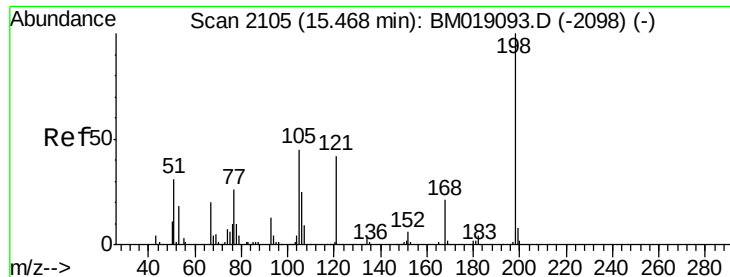


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0





#65

4,6-Dinitro-2-methylphenol

Concen: 39.611 ng

RT: 15.47 min Scan# 2105

Delta R.T. -0.00 min

Lab File: BM019110.D

Acq: 12 Mar 2019 14:03

Instrument :

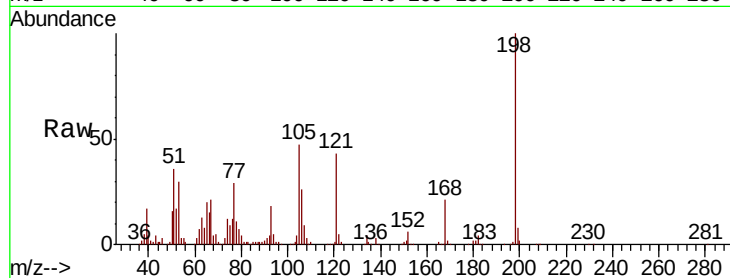
BNA\_M

ClientSampleId :

PB117788BS

Tot Ion:198 Resp: 312613

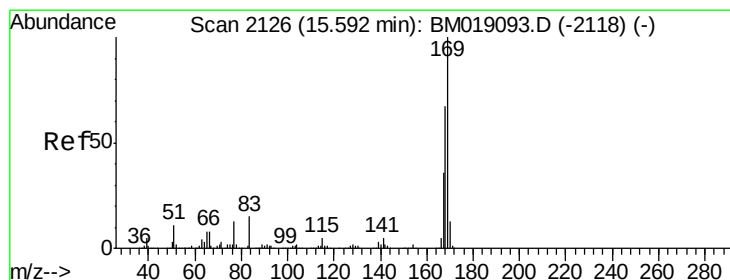
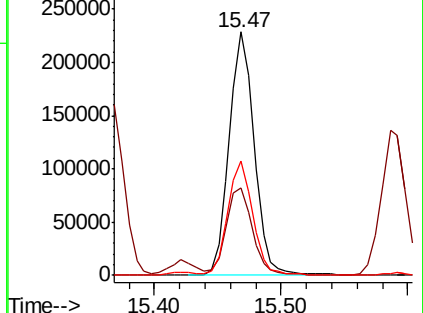
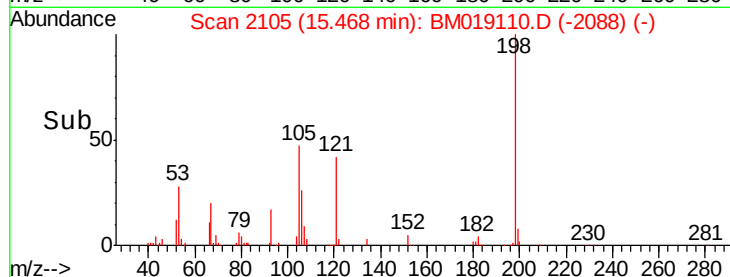
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 198 | 100   |       |       |
| 51  | 36.2  | 17.3  | 57.3  |
| 105 | 46.8  | 26.2  | 66.2  |



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: 41.298 ng

RT: 15.59 min Scan# 2126

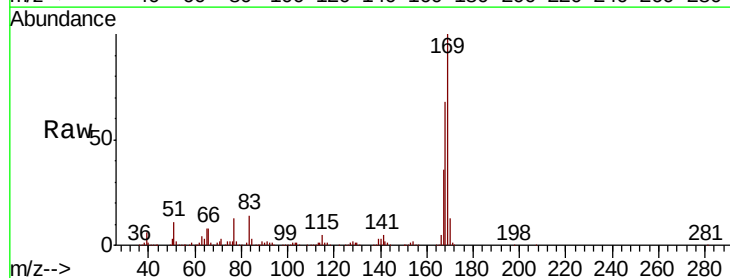
Delta R.T. -0.00 min

Lab File: BM019110.D

Acq: 12 Mar 2019 14:03

Tgt Ion:169 Resp: 1583466

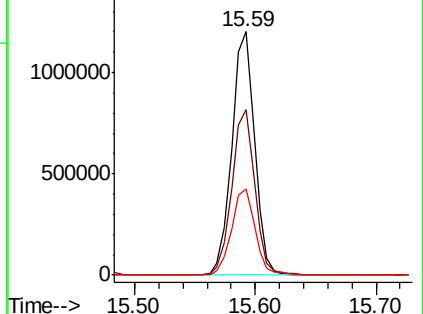
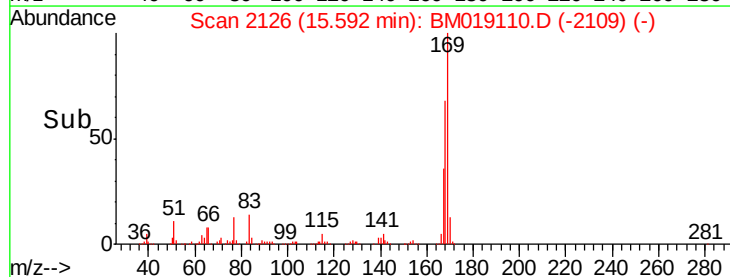
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 169 | 100   |       |       |
| 168 | 68.0  | 53.9  | 80.9  |
| 167 | 35.6  | 28.8  | 43.2  |

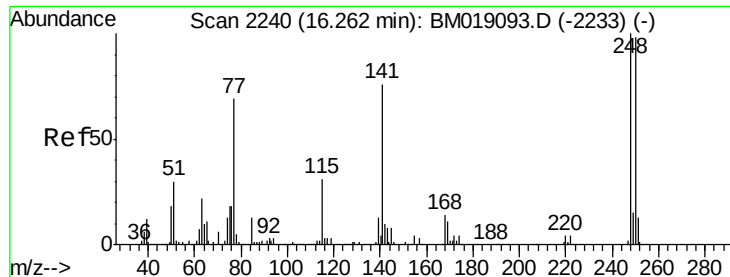


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

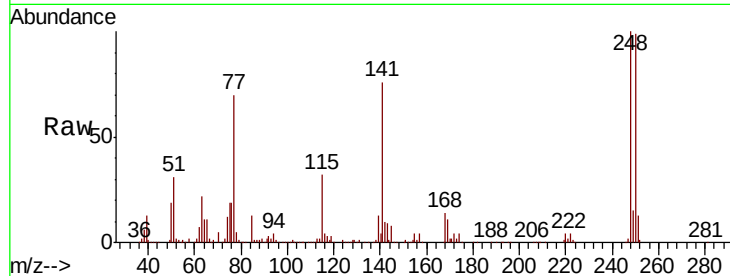




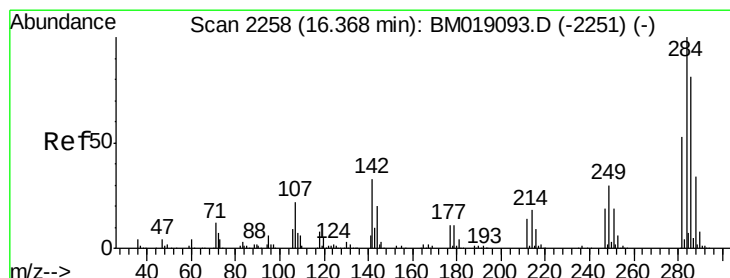
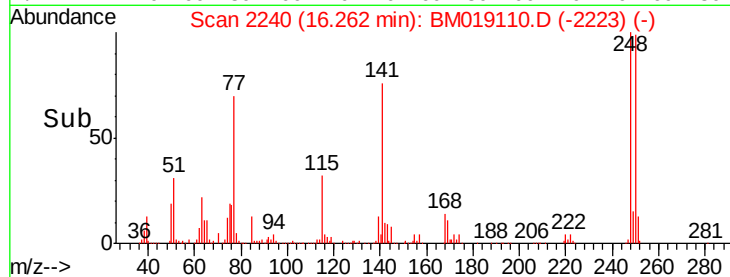
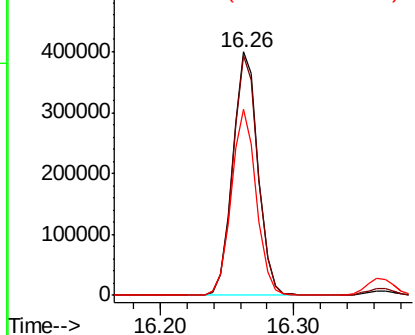
#67  
 4-Bromophenyl-phenylether  
 Concen: 39.715 ng  
 RT: 16.26 min Scan# 2240  
 Delta R.T. -0.00 min  
 Lab File: BM019110.D  
 Acq: 12 Mar 2019 14:03

Instrument :  
 BNA\_M  
 ClientSampled :  
 PB117788BS

Tot Ion:248 Resp: 527454  
 Ion Ratio Lower Upper  
 248 100  
 250 98.5 78.0 117.0  
 141 76.3 61.0 91.4

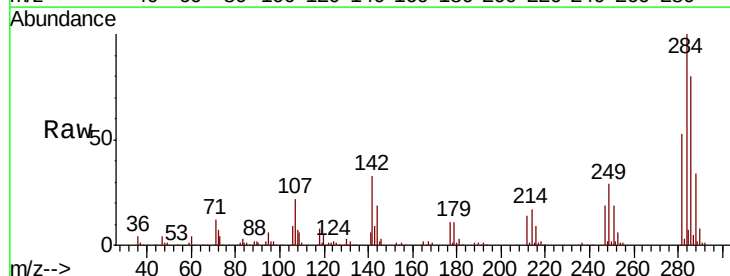


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

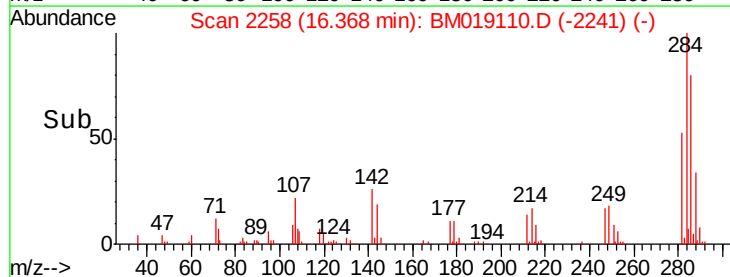
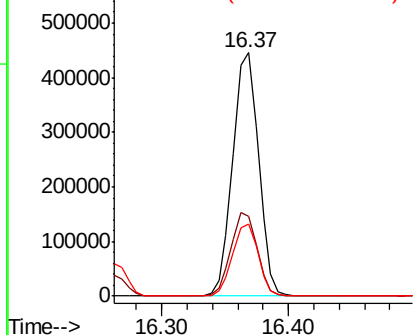


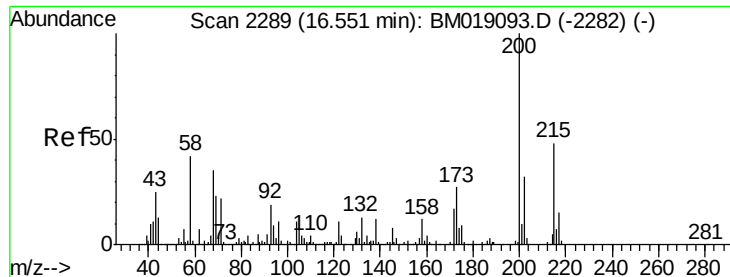
#68  
 Hexachlorobenzene  
 Concen: 39.808 ng  
 RT: 16.37 min Scan# 2258  
 Delta R.T. -0.00 min  
 Lab File: BM019110.D  
 Acq: 12 Mar 2019 14:03

Tgt Ion:284 Resp: 628566  
 Ion Ratio Lower Upper  
 284 100  
 142 33.0 26.3 39.5  
 249 29.4 24.1 36.1



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: 41.818 ng

RT: 16.55 min Scan# 2289

Delta R.T. -0.00 min

Lab File: BM019110.D

Acq: 12 Mar 2019 14:03

Instrument :

BNA\_M

ClientSampleId :

PB117788BS

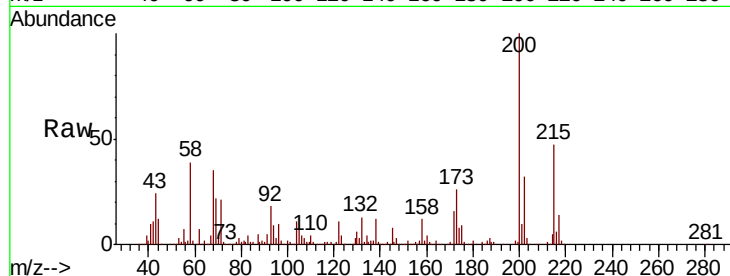
Tot Ion:200 Resp: 539751

Ion Ratio Lower Upper

200 100

173 26.1 7.0 47.0

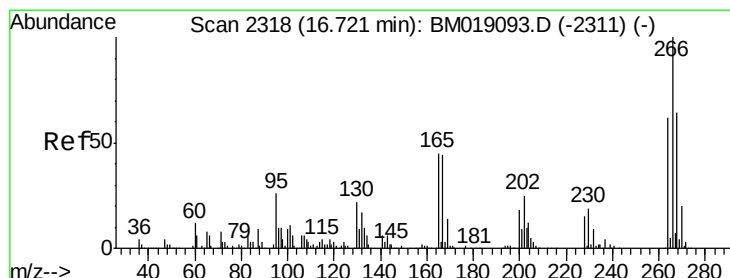
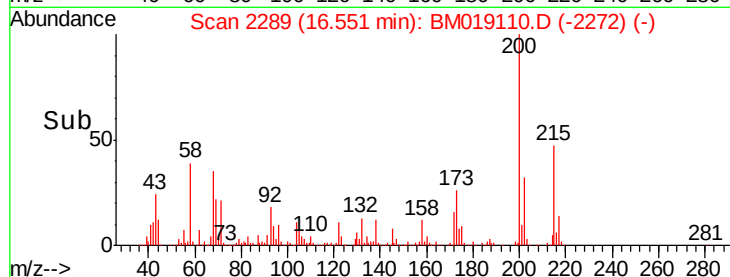
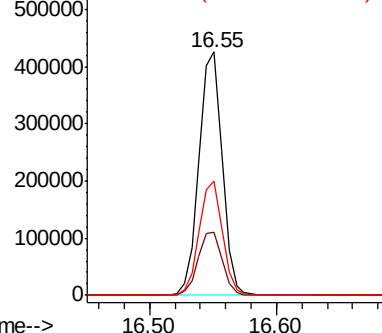
215 47.2 27.7 67.7



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: 82.898 ng

RT: 16.72 min Scan# 2318

Delta R.T. -0.00 min

Lab File: BM019110.D

Acq: 12 Mar 2019 14:03

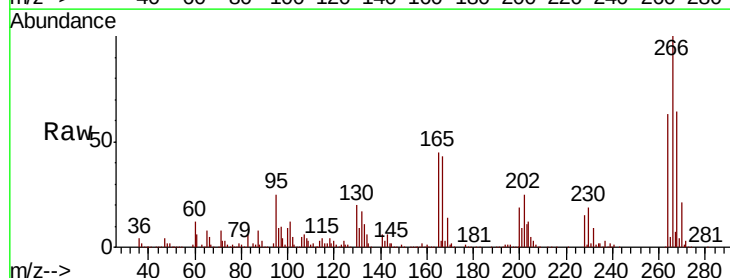
Tgt Ion:266 Resp: 788621

Ion Ratio Lower Upper

266 100

268 64.4 51.3 76.9

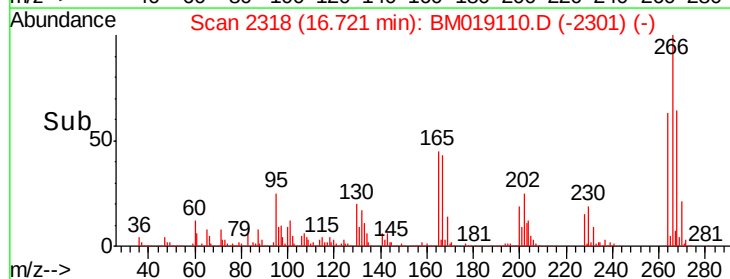
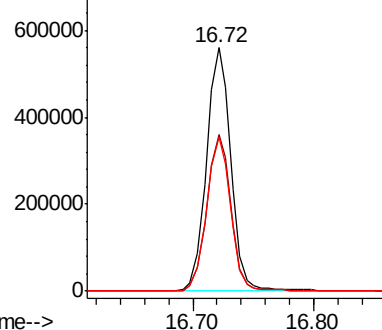
264 63.3 50.0 75.0

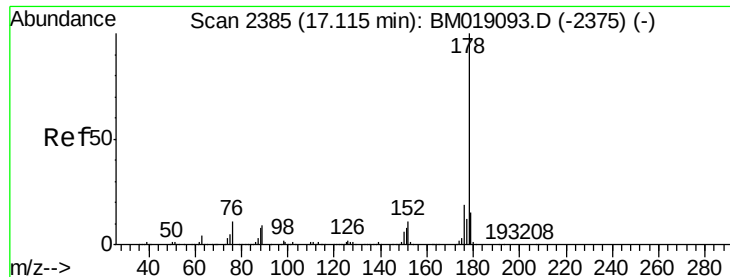


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

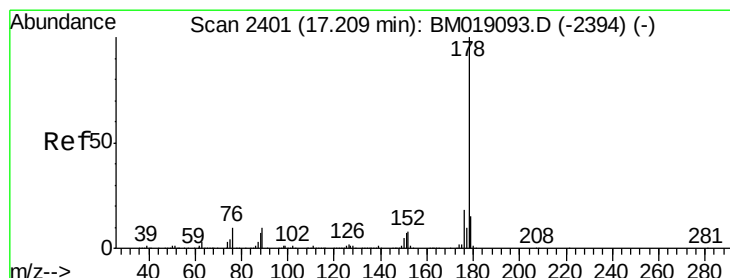
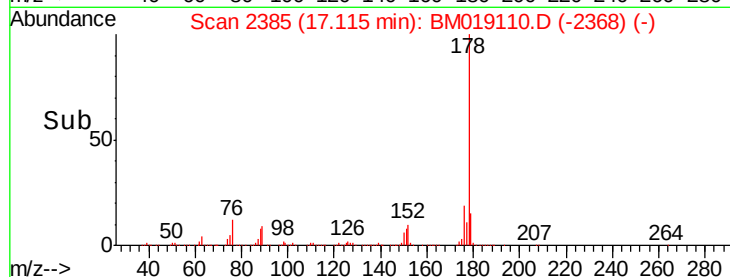
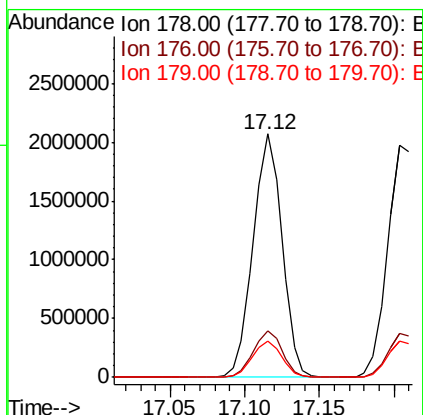
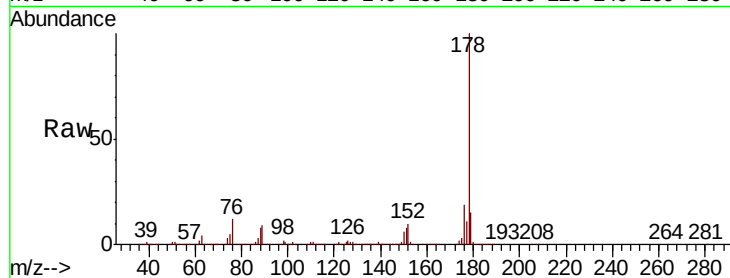




#71  
Phenanthrene  
Concen: 39.203 ng  
RT: 17.12 min Scan# 2385  
Delta R.T. -0.00 min  
Lab File: BM019110.D  
Acq: 12 Mar 2019 14:03

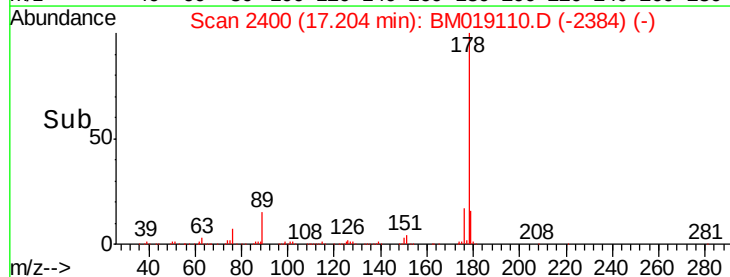
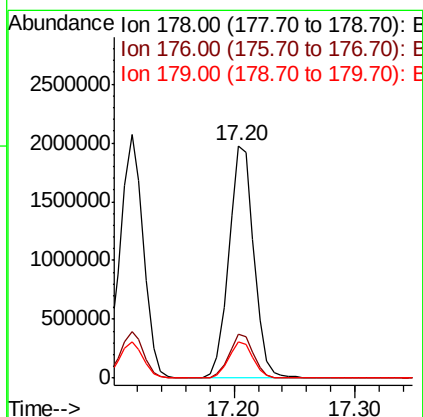
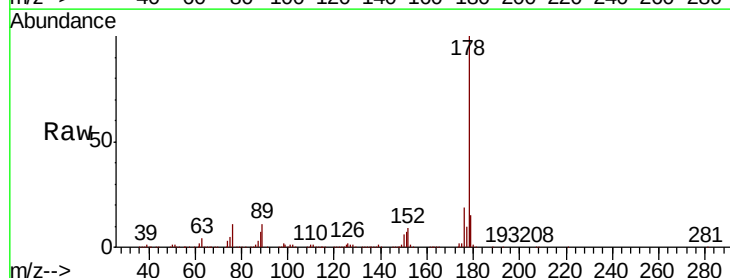
Instrument :  
BNA\_M  
ClientSampleId :  
PB117788BS

Tot Ion:178 Resp: 2767451  
Ion Ratio Lower Upper  
178 100  
176 18.9 15.3 22.9  
179 15.0 12.2 18.2

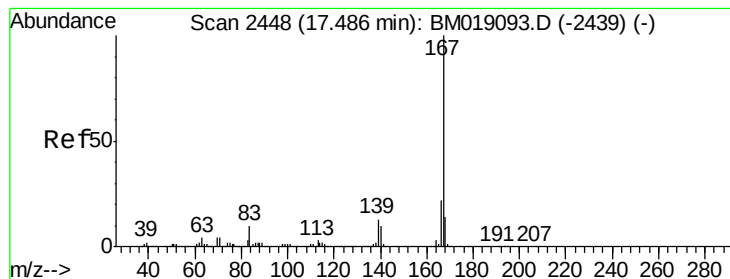


#72  
Anthracene  
Concen: 40.799 ng  
RT: 17.20 min Scan# 2400  
Delta R.T. -0.01 min  
Lab File: BM019110.D  
Acq: 12 Mar 2019 14:03

Tgt Ion:178 Resp: 2819500  
Ion Ratio Lower Upper  
178 100  
176 18.7 14.6 22.0  
179 15.4 11.9 17.9







#73

Carbazole

Concen: 39.881 ng

RT: 17.49 min Scan# 2448

Delta R.T. -0.00 min

Lab File: BM019110.D

Acq: 12 Mar 2019 14:03

Instrument :

BNA\_M

ClientSampleId :

PB117788BS

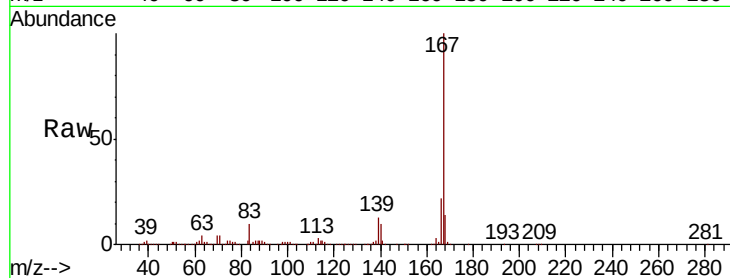
Tot Ion:167 Resp: 2601244

Ion Ratio Lower Upper

167 100

166 21.9 17.8 26.8

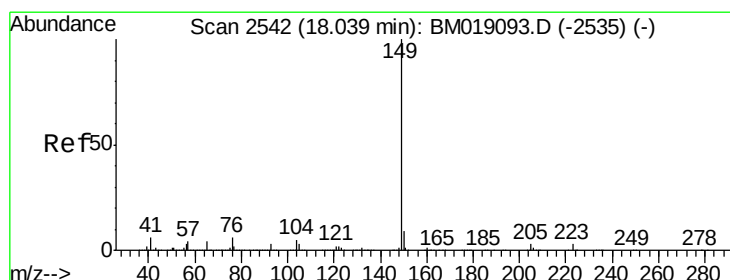
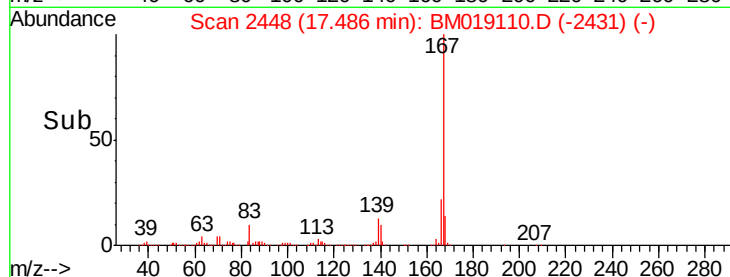
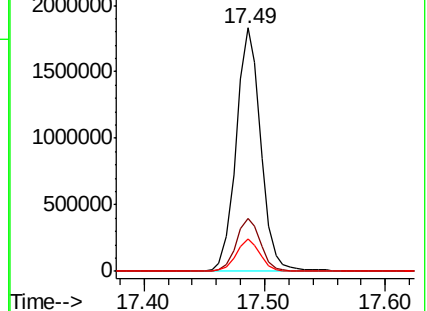
139 13.3 10.5 15.7



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: 41.404 ng

RT: 18.04 min Scan# 2542

Delta R.T. -0.00 min

Lab File: BM019110.D

Acq: 12 Mar 2019 14:03

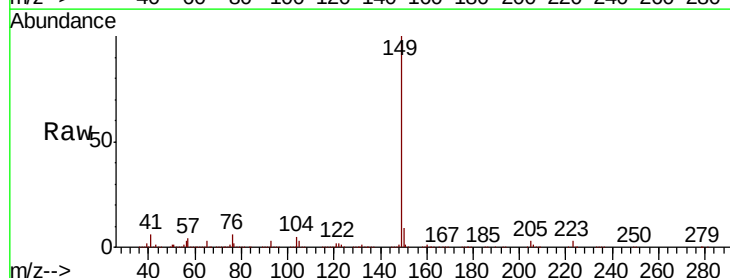
Tgt Ion:149 Resp: 3265673

Ion Ratio Lower Upper

149 100

150 9.4 7.4 11.0

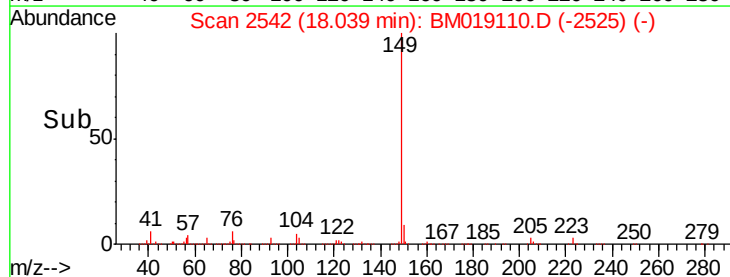
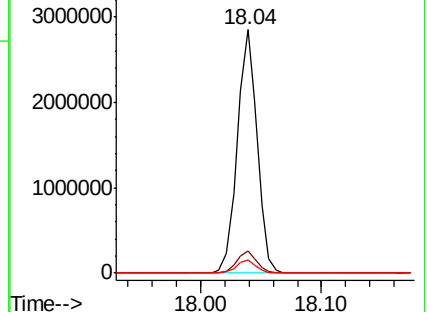
104 5.3 4.2 6.4

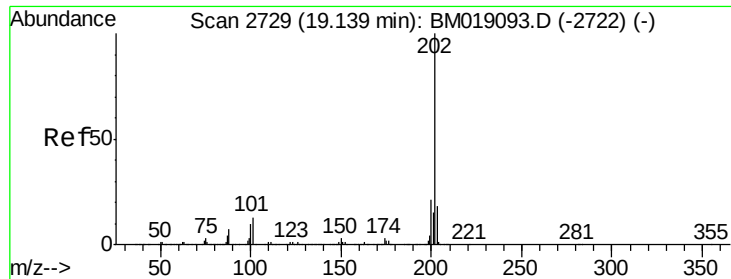


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



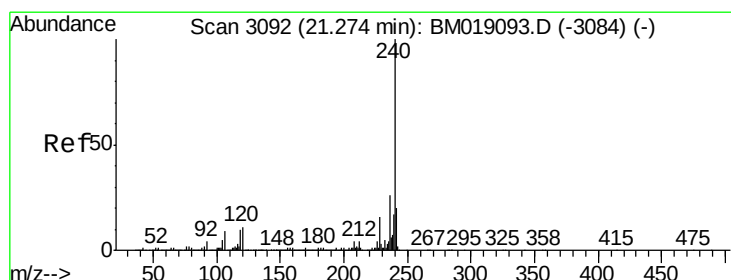
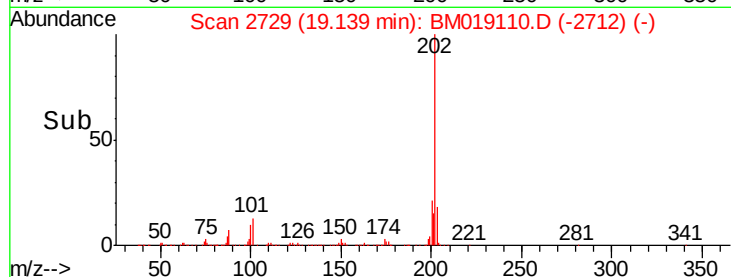
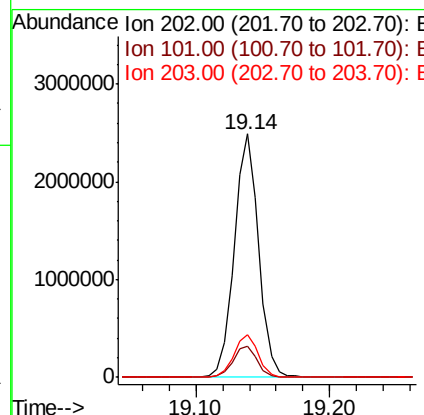
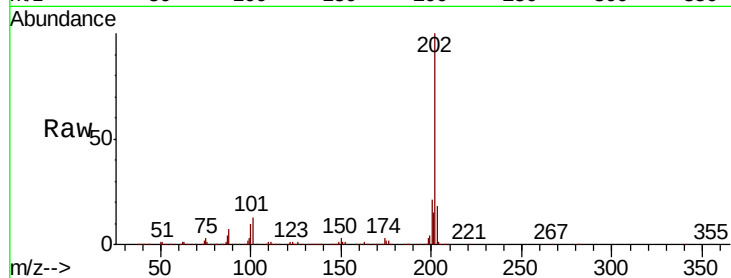


#75  
 Fluoranthene  
 Concen: 39.002 ng  
 RT: 19.14 min Scan# 2729  
 Delta R.T. -0.00 min  
 Lab File: BM019110.D  
 Acq: 12 Mar 2019 14:03

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB117788BS

Tot Ion:202 Resp: 3159233  

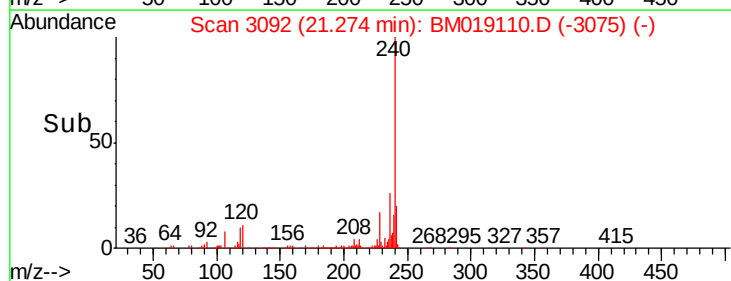
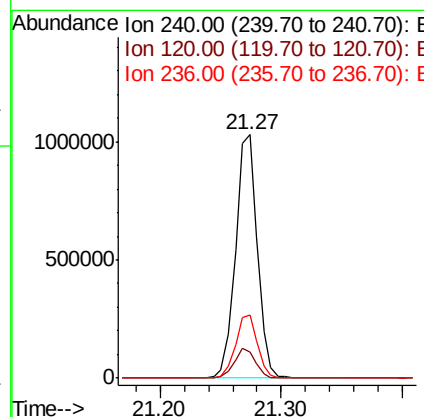
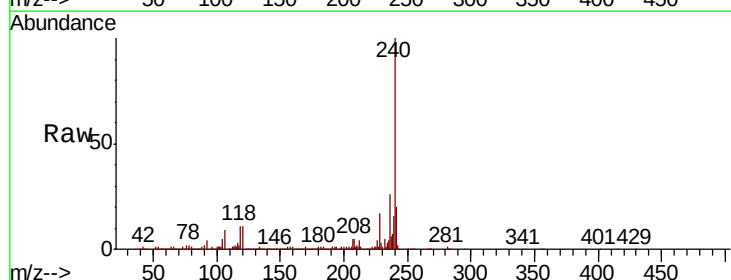
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 101 | 13.0  | 0.0   | 33.0  |
| 203 | 17.6  | 0.0   | 37.8  |

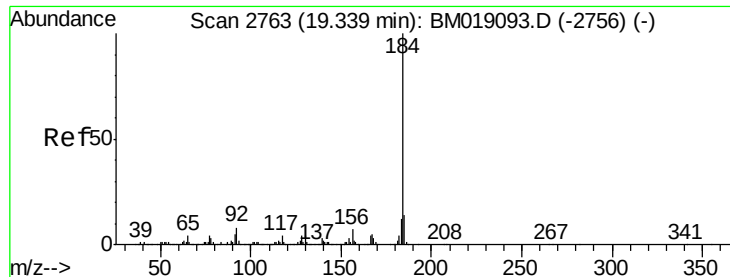


#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 21.27 min Scan# 3092  
 Delta R.T. -0.00 min  
 Lab File: BM019110.D  
 Acq: 12 Mar 2019 14:03

Tgt Ion:240 Resp: 1287770  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 240 | 100   |       |       |
| 120 | 10.8  | 8.9   | 13.3  |
| 236 | 25.9  | 21.0  | 31.4  |





#77

Benzidine

Concen: 43.644 ng

RT: 19.34 min Scan# 2763

Delta R.T. -0.00 min

Lab File: BM019110.D

Acq: 12 Mar 2019 14:03

Instrument :

BNA\_M

ClientSampleId :

PB117788BS

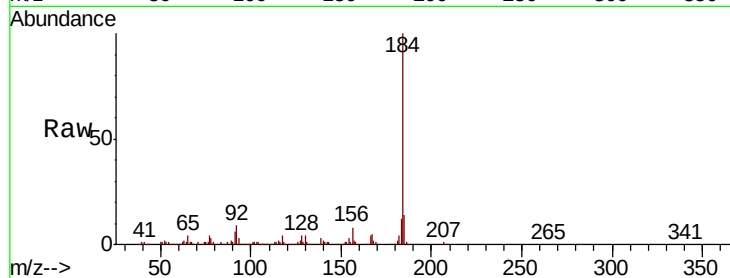
Tot Ion:184 Resp: 1593972

Ion Ratio Lower Upper

184 100

185 14.1 11.0 16.4

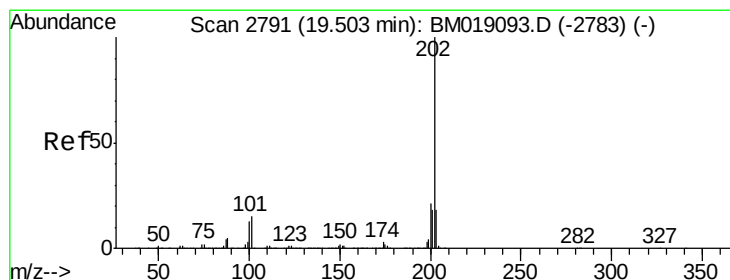
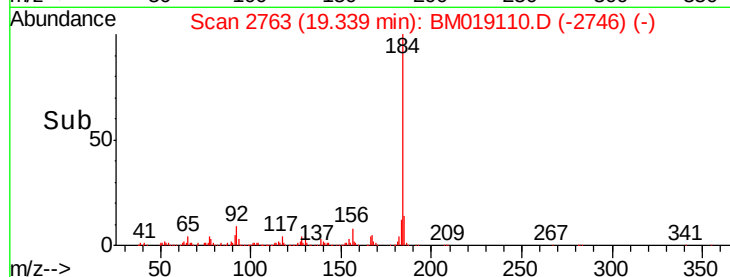
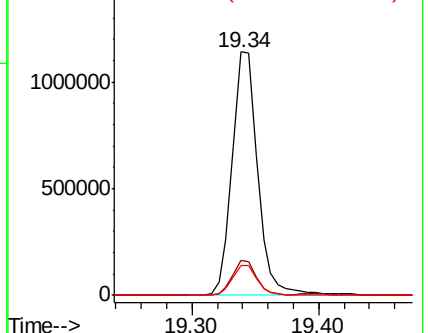
183 12.4 9.8 14.6



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: 39.843 ng

RT: 19.50 min Scan# 2791

Delta R.T. -0.00 min

Lab File: BM019110.D

Acq: 12 Mar 2019 14:03

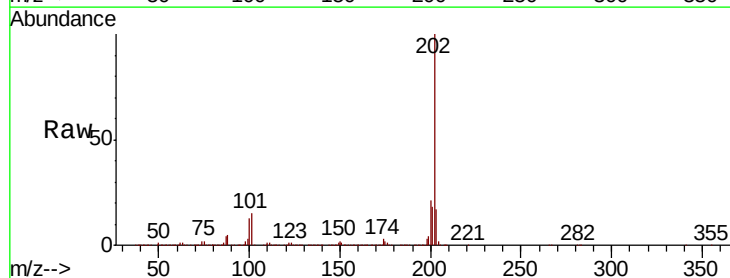
Tgt Ion:202 Resp: 3246336

Ion Ratio Lower Upper

202 100

200 20.9 16.9 25.3

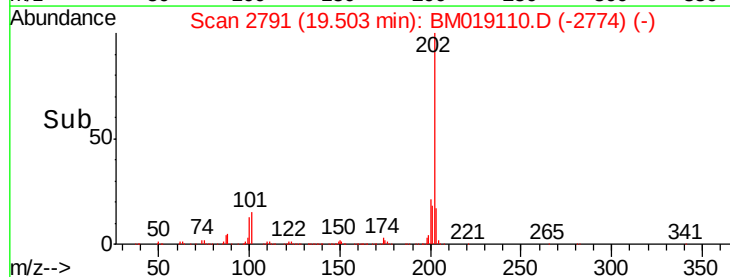
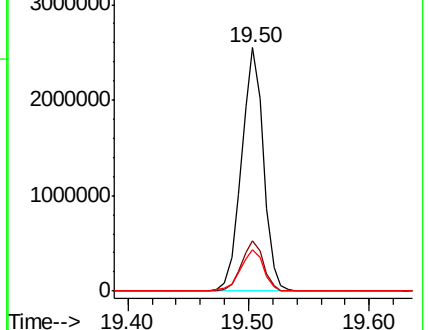
203 17.2 14.0 21.0

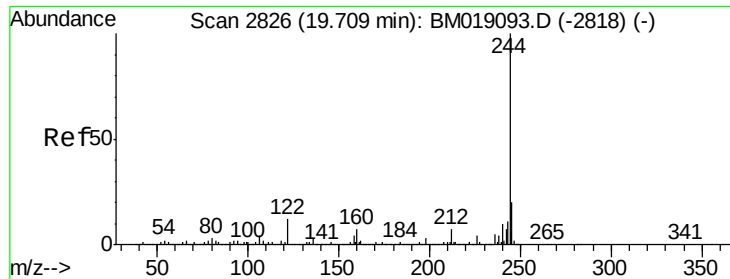


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 77.319 ng

RT: 19.71 min Scan# 2826

Delta R.T. -0.00 min

Lab File: BM019110.D

Acq: 12 Mar 2019 14:03

Instrument :

BNA\_M

ClientSampleID :

PB117788BS

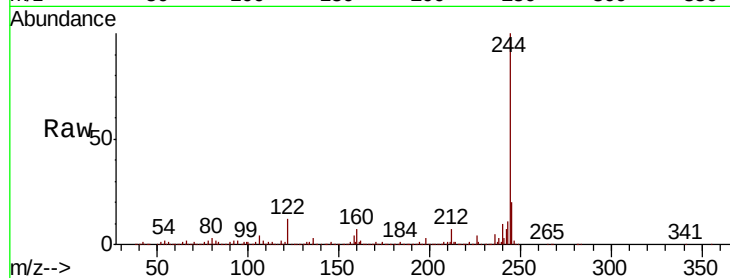
Tot Ion:244 Resp: 5015542

Ion Ratio Lower Upper

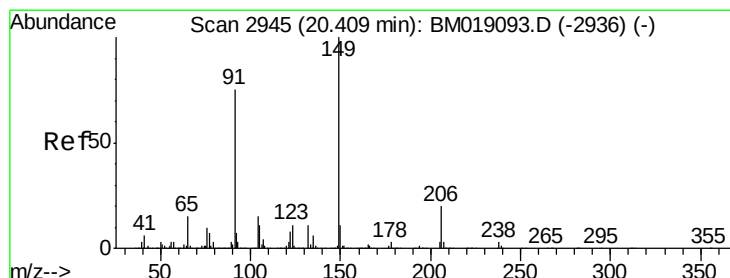
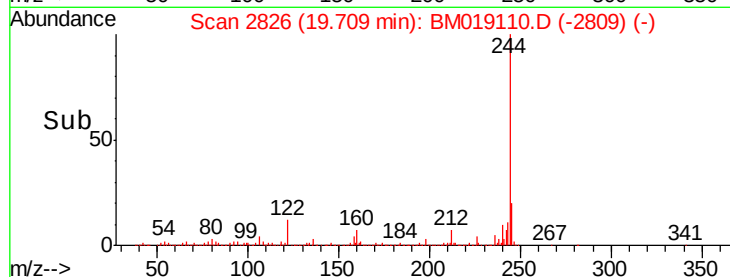
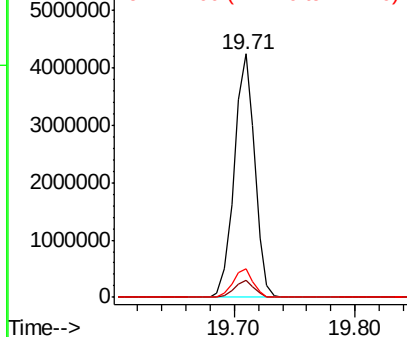
244 100

212 6.9 5.4 8.2

122 11.8 9.4 14.2



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: 44.300 ng

RT: 20.41 min Scan# 2945

Delta R.T. -0.00 min

Lab File: BM019110.D

Acq: 12 Mar 2019 14:03

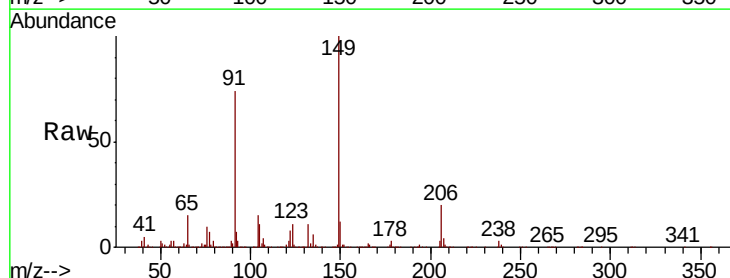
Tgt Ion:149 Resp: 1572159

Ion Ratio Lower Upper

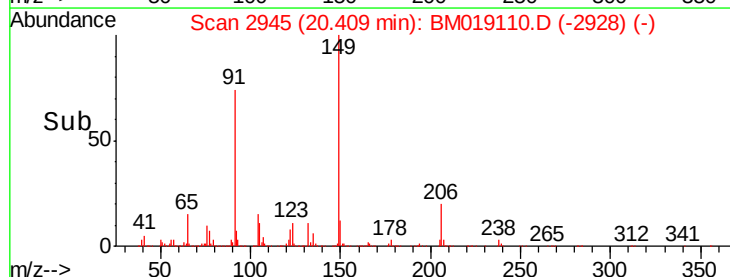
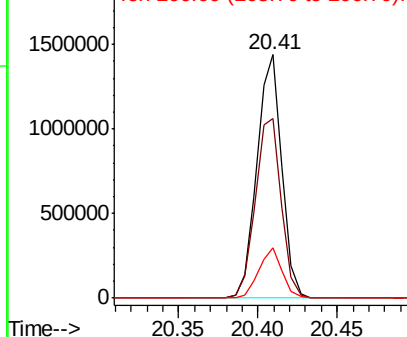
149 100

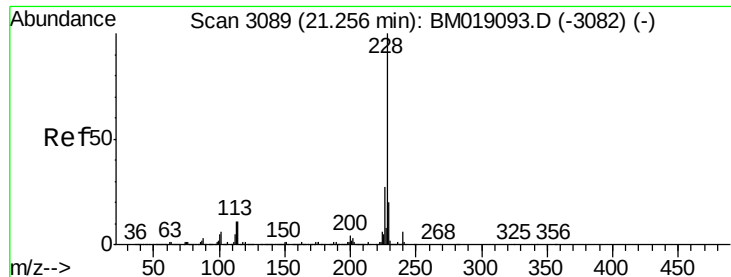
91 73.7 60.1 90.1

206 20.5 16.2 24.2



Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 91.00 (90.70 to 91.70): BM  
Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 38.549 ng

RT: 21.26 min Scan# 3089

Delta R.T. -0.00 min

Lab File: BM019110.D

Acq: 12 Mar 2019 14:03

Instrument :

BNA\_M

ClientSampleId :

PB117788BS

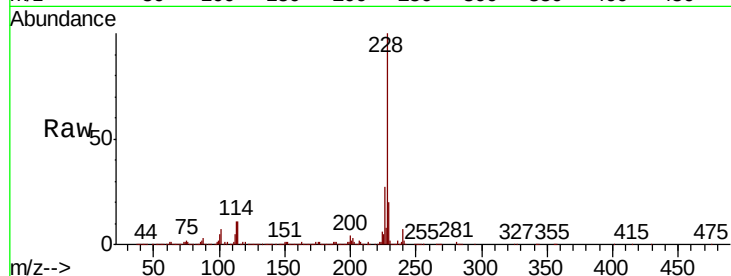
Tot Ion:228 Resp: 3114402

Ion Ratio Lower Upper

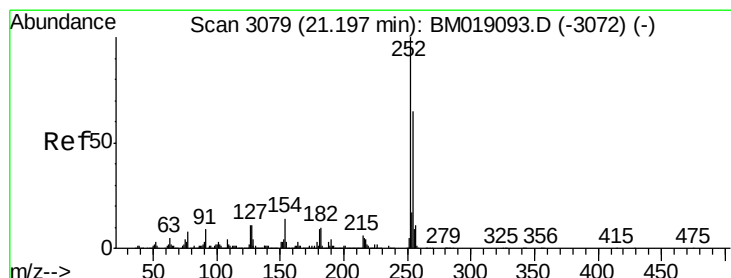
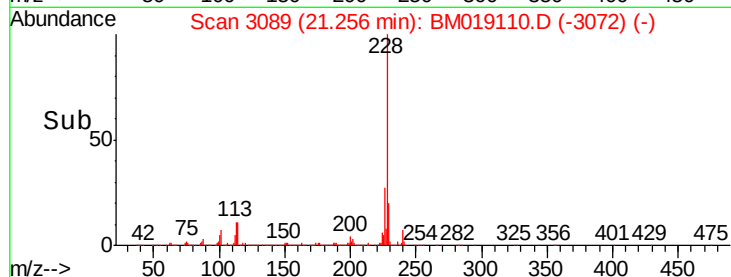
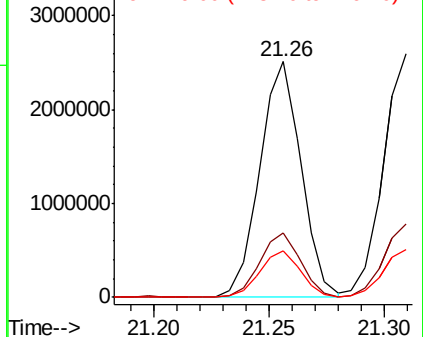
228 100

226 27.2 21.8 32.8

229 19.9 15.8 23.6



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



#82

3,3'-Dichlorobenzidine

Concen: 29.966 ng

RT: 21.20 min Scan# 3079

Delta R.T. -0.00 min

Lab File: BM019110.D

Acq: 12 Mar 2019 14:03

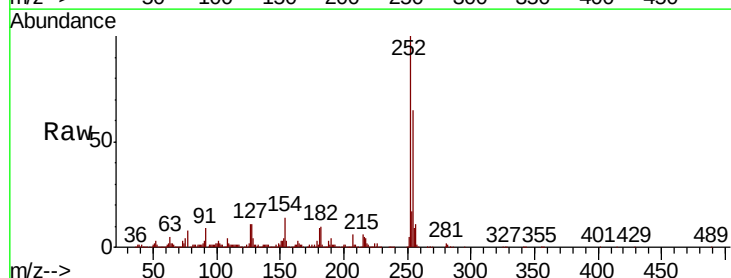
Tgt Ion:252 Resp: 932640

Ion Ratio Lower Upper

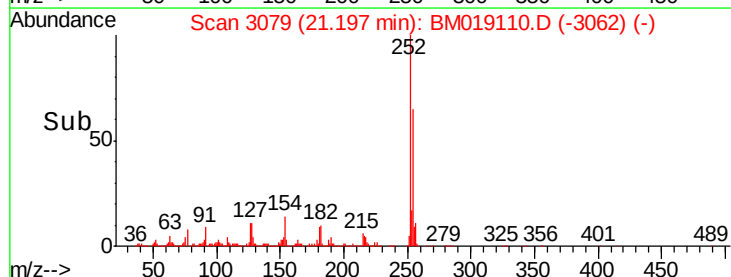
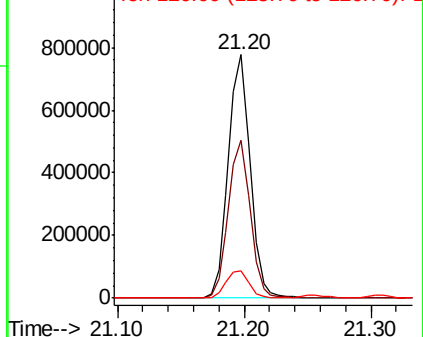
252 100

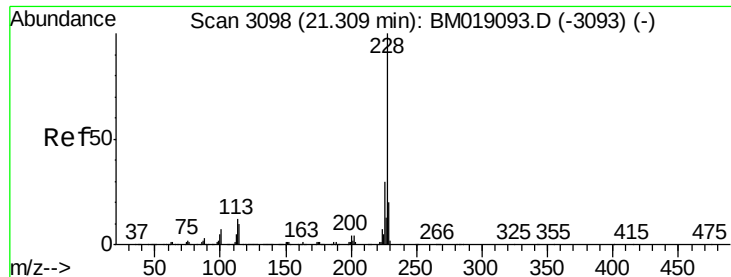
254 64.9 52.4 78.6

126 11.2 9.0 13.6



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





#83

Chrysene

Concen: 39.152 ng

RT: 21.31 min Scan# 3098

Delta R.T. -0.00 min

Lab File: BM019110.D

Acq: 12 Mar 2019 14:03

Instrument :

BNA\_M

ClientSampleId :

PB117788BS

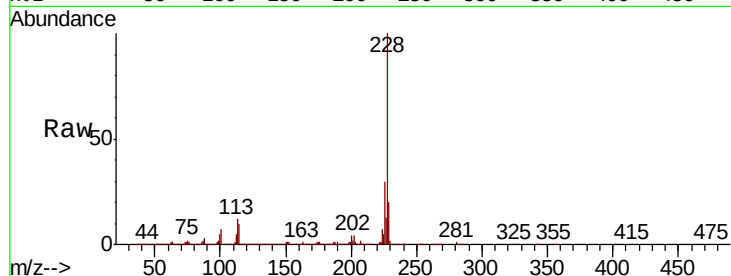
Tot Ion:228 Resp: 3060099

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 30.1  | 23.8  | 35.8  |
| 229 | 19.7  | 15.7  | 23.5  |

228 100

226 30.1 23.8 35.8

229 19.7 15.7 23.5

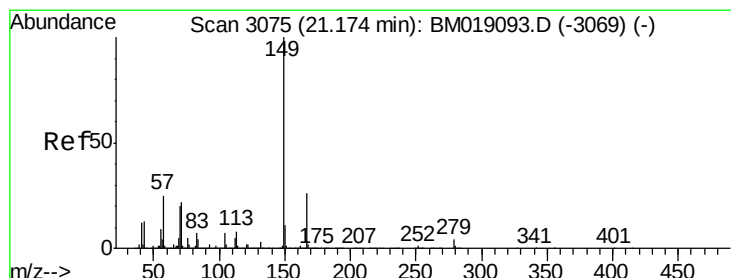
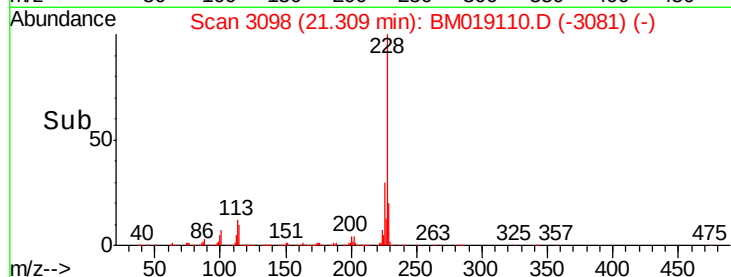
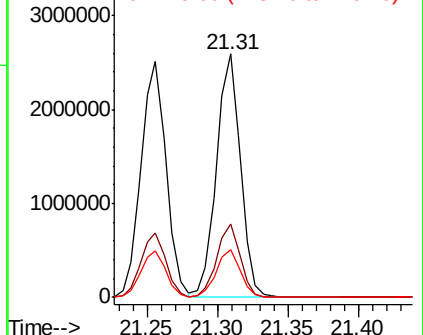


Abundance

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: 44.592 ng

RT: 21.17 min Scan# 3075

Delta R.T. -0.00 min

Lab File: BM019110.D

Acq: 12 Mar 2019 14:03

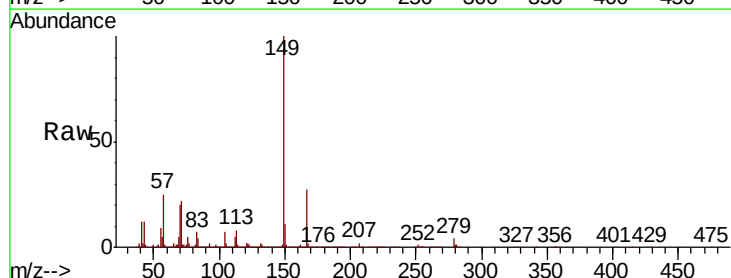
Tgt Ion:149 Resp: 2302286

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 26.6  | 21.1  | 31.7  |
| 279 | 4.1   | 3.2   | 4.8   |

149 100

167 26.6 21.1 31.7

279 4.1 3.2 4.8

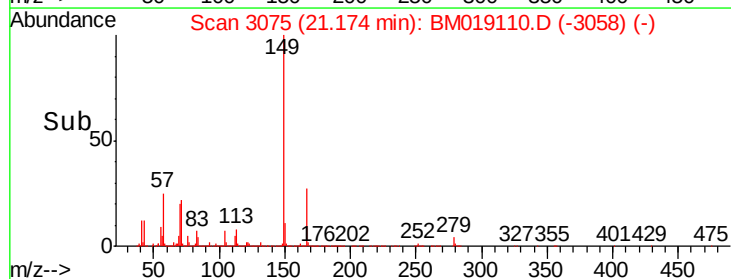
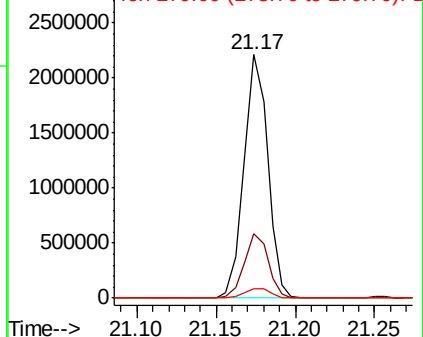


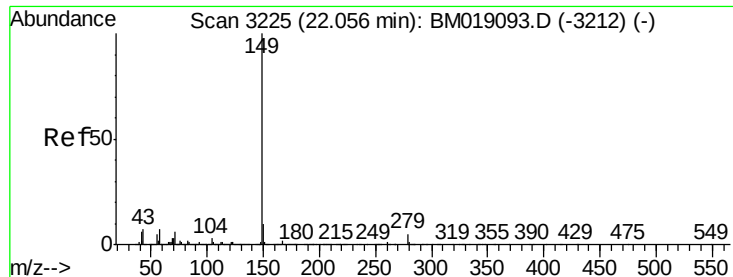
Abundance

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: 45.152 ng

RT: 22.06 min Scan# 3225

Delta R.T. -0.00 min

Lab File: BM019110.D

Acq: 12 Mar 2019 14:03

Instrument :

BNA\_M

ClientSampleId :

PB117788BS

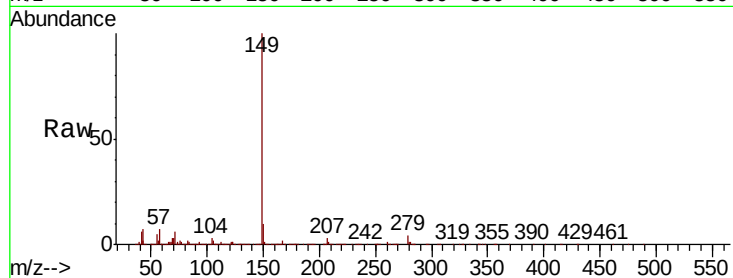
Tot Ion:149 Resp: 3925500

Ion Ratio Lower Upper

149 100

167 1.5 1.3 1.9

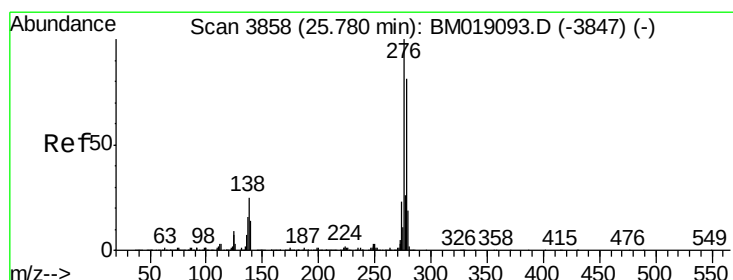
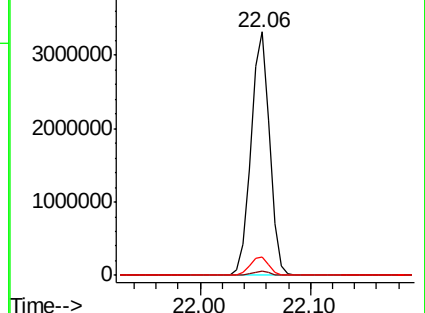
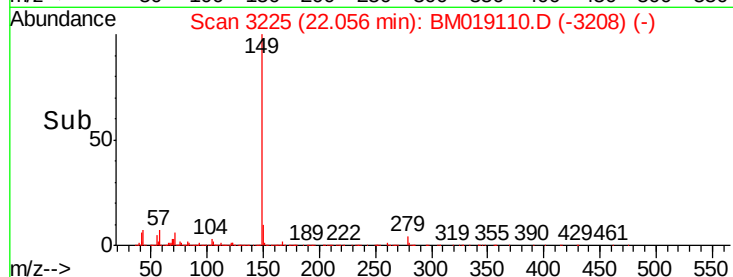
43 7.6 6.1 9.1



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: 39.528 ng

RT: 25.78 min Scan# 3858

Delta R.T. -0.00 min

Lab File: BM019110.D

Acq: 12 Mar 2019 14:03

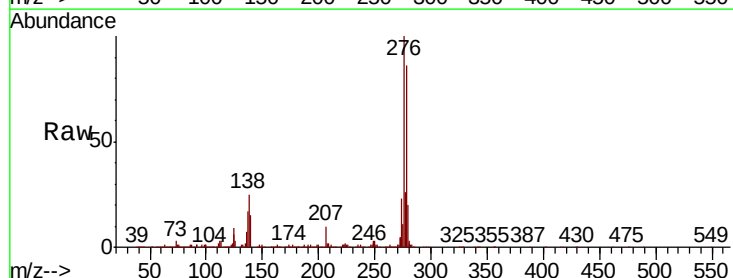
Tgt Ion:276 Resp: 3325731

Ion Ratio Lower Upper

276 100

138 25.0 19.8 29.8

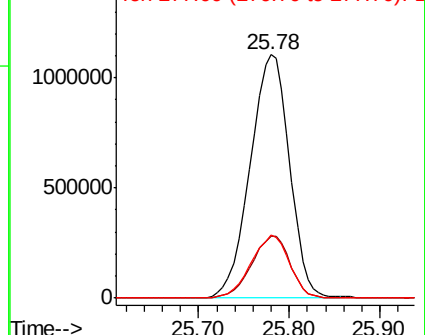
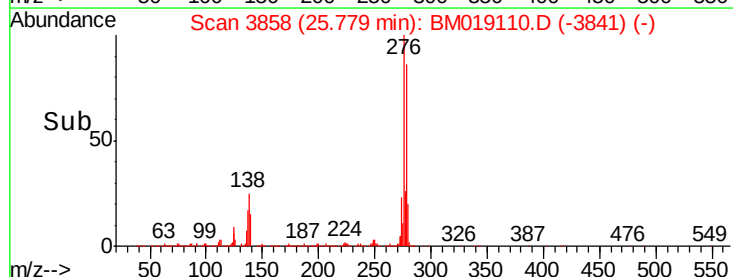
277 25.4 20.3 30.5

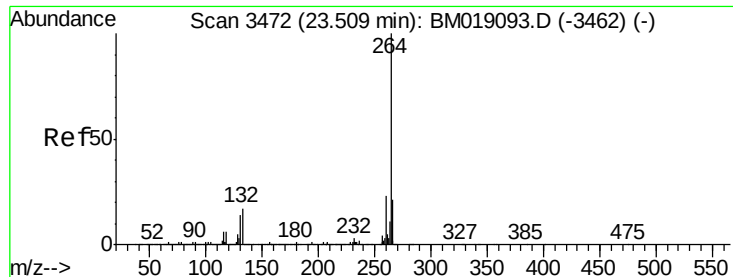


Abundance Ion 276.00 (275.70 to 276.70): E

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: 23.51 min Scan# 3472

Delta R.T. -0.00 min

Lab File: BM019110.D

Acq: 12 Mar 2019 14:03

Instrument :

BNA\_M

ClientSampleId :

PB117788BS

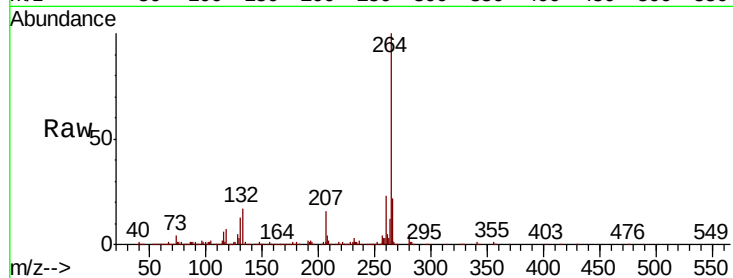
Tot Ion:264 Resp: 1189546

Ion Ratio Lower Upper

264 100

260 23.2 18.6 28.0

265 22.3 17.3 25.9

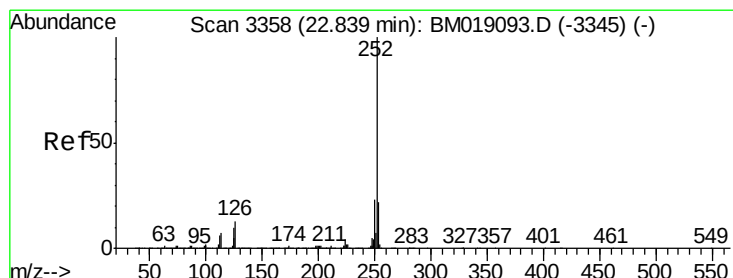
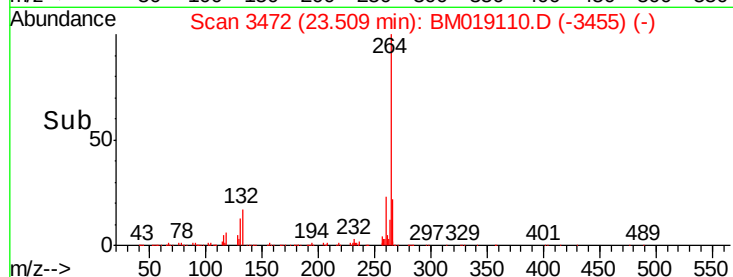
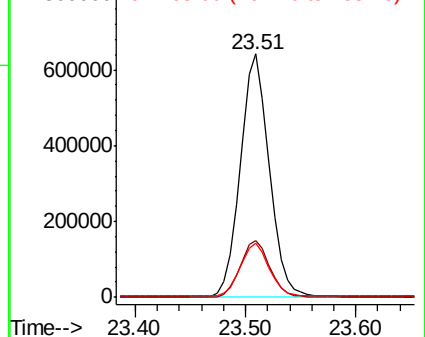


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 41.778 ng

RT: 22.84 min Scan# 3358

Delta R.T. -0.00 min

Lab File: BM019110.D

Acq: 12 Mar 2019 14:03

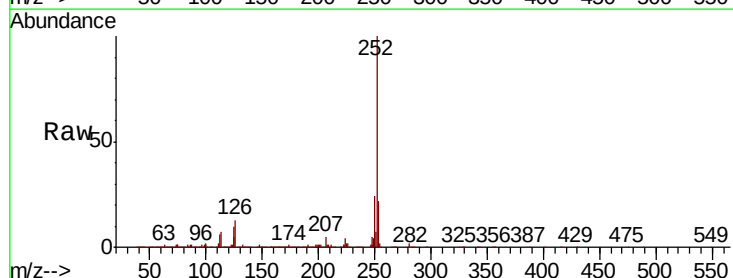
Tgt Ion:252 Resp: 3220249

Ion Ratio Lower Upper

252 100

253 22.1 17.6 26.4

125 10.4 8.1 12.1

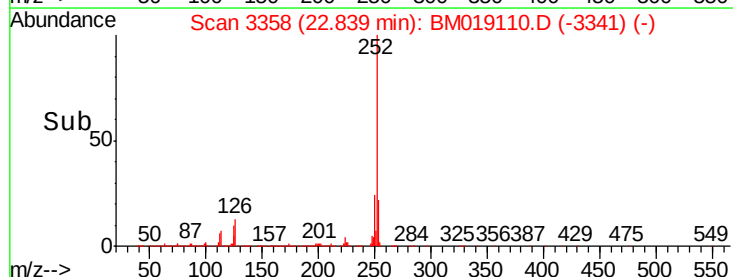
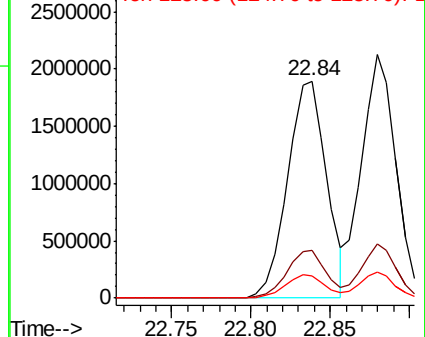


Abundance

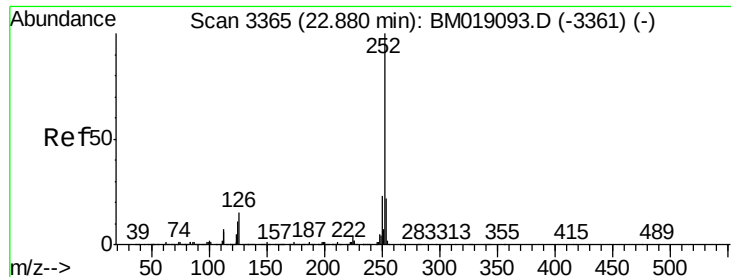
Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E







#89

Benzo(k)fluoranthene

Concen: 45.477 ng

RT: 22.88 min Scan# 3365

Delta R.T. -0.00 min

Lab File: BM019110.D

Acq: 12 Mar 2019 14:03

Instrument :

BNA\_M

ClientSampled :

PB117788BS

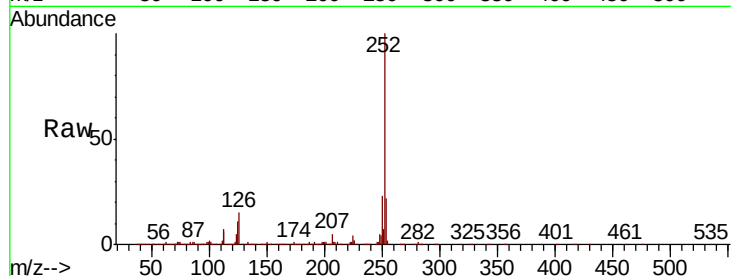
Tot Ion:252 Resp: 3224173

Ion Ratio Lower Upper

252 100

253 22.4 17.6 26.4

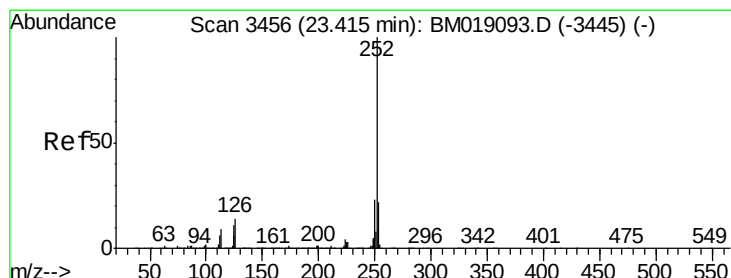
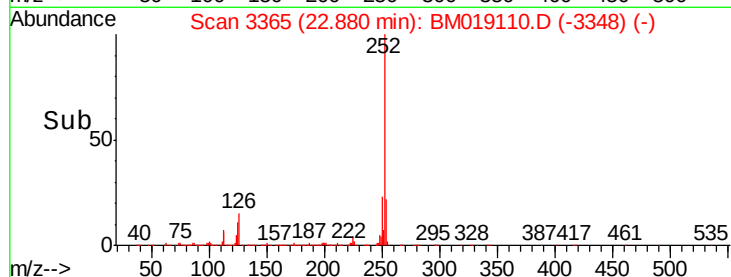
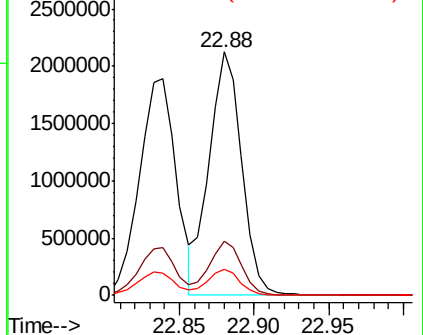
125 10.9 8.8 13.2



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: 44.314 ng

RT: 23.41 min Scan# 3456

Delta R.T. -0.00 min

Lab File: BM019110.D

Acq: 12 Mar 2019 14:03

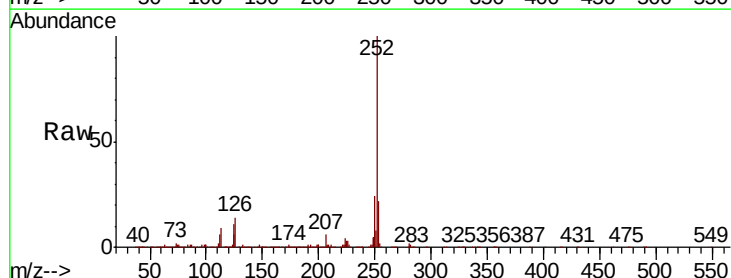
Tgt Ion:252 Resp: 3069565

Ion Ratio Lower Upper

252 100

253 21.7 17.4 26.2

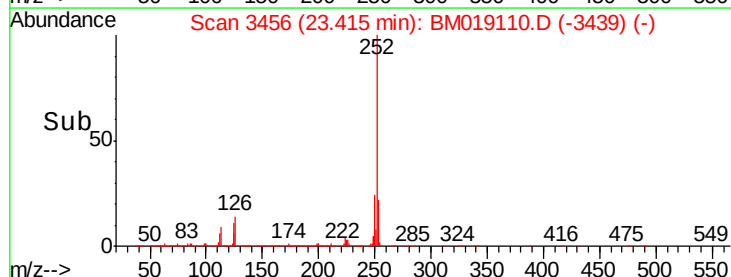
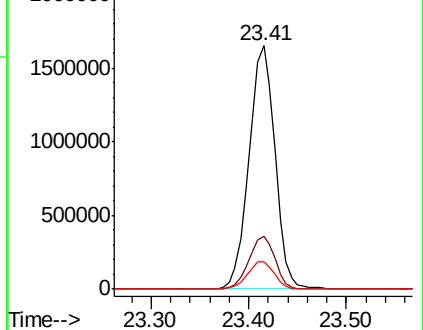
125 11.1 9.2 13.8

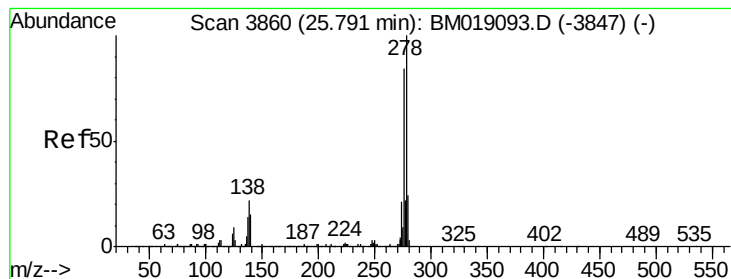


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 43.145 ng

RT: 25.79 min Scan# 3860

Delta R.T. -0.00 min

Lab File: BM019110.D

Acq: 12 Mar 2019 14:03

Instrument :

BNA\_M

ClientSampleId :

PB117788BS

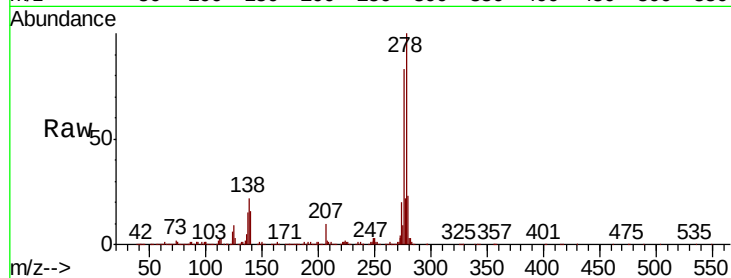
Tot Ion:278 Resp: 2858879

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 278 | 100   |       |       |
| 139 | 15.5  | 12.3  | 18.5  |
| 279 | 23.4  | 18.9  | 28.3  |

278 100

139 15.5 12.3 18.5

279 23.4 18.9 28.3

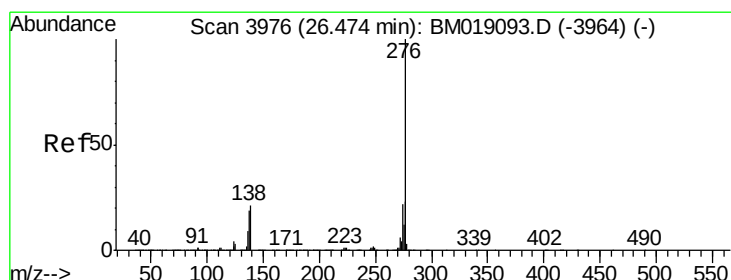
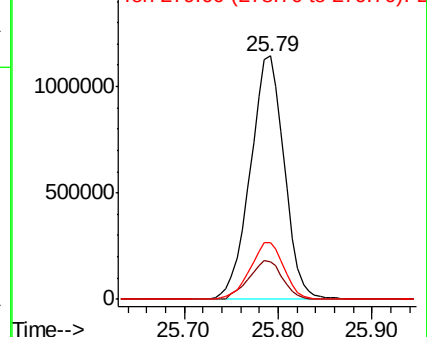
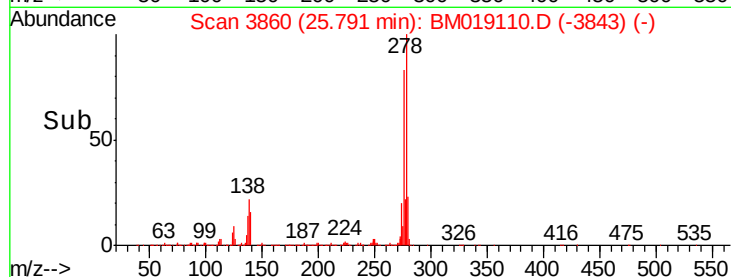


Abundance

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: 42.838 ng

RT: 26.48 min Scan# 3977

Delta R.T. 0.01 min

Lab File: BM019110.D

Acq: 12 Mar 2019 14:03

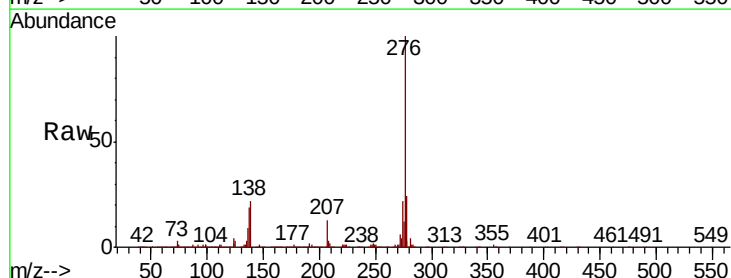
Tgt Ion:276 Resp: 2606088

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 277 | 23.5  | 18.8  | 28.2  |
| 138 | 21.5  | 17.0  | 25.4  |

276 100

277 23.5 18.8 28.2

138 21.5 17.0 25.4



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

