

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM022719\  
 Data File : BM018951.D  
 Acq On : 27 Feb 2019 16:08  
 Operator : JU/SJ  
 Sample : PB117415BS  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB117415BS

Quant Time: Feb 28 03:13:59 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\8270-BM021119.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Feb 11 16:02:12 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.69  | 152  | 221123   | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8        | 10.48 | 136  | 959421   | 20.00 | ng    | -0.02    |
| 39) Acenaphthene-d10      | 14.34 | 164  | 555785   | 20.00 | ng    | -0.02    |
| 64) Phenanthrene-d10      | 17.10 | 188  | 1219709  | 20.00 | ng    | -0.02    |
| 76) Chrysene-d12          | 21.30 | 240  | 1387232  | 20.00 | ng    | -0.01    |
| 87) Perylene-d12          | 23.54 | 264  | 1225306  | 20.00 | ng    | -0.02    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.29  | 112  | 2049695  | 151.88 | ng    | -0.02    |
| 7) Phenol-d6                | 6.87  | 99   | 2982165  | 156.86 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 8.86  | 82   | 1893741  | 91.27  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 15.84 | 330  | 1147889  | 143.28 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl        | 12.96 | 172  | 3797127  | 90.69  | ng    | -0.02    |
| 79) Terphenyl-d14           | 19.73 | 244  | 6239890  | 92.79  | ng    | -0.01    |

| Target Compounds               | R.T.  | QIon | Response | Conc   | Units | Qvalue |
|--------------------------------|-------|------|----------|--------|-------|--------|
| 2) 1,4-Dioxane                 | 3.24  | 88   | 178397   | 30.350 | ng    | 98     |
| 3) Pyridine                    | 3.63  | 79   | 573496   | 35.769 | ng    | 100    |
| 4) n-Nitrosodimethylamine      | 3.56  | 42   | 183863   | 45.077 | ng    | 98     |
| 6) Aniline                     | 7.03  | 93   | 903898   | 38.803 | ng    | 99     |
| 8) 2-Chlorophenol              | 7.26  | 128  | 677425   | 45.719 | ng    | 97     |
| 9) Benzaldehyde                | 6.85  | 77   | 312548   | 27.570 | ng    | 98     |
| 10) Phenol                     | 6.90  | 94   | 947429   | 47.361 | ng    | 99     |
| 11) bis(2-Chloroethyl)ether    | 7.13  | 93   | 620639   | 40.671 | ng    | 99     |
| 12) 1,3-Dichlorobenzene        | 7.57  | 146  | 648975   | 38.952 | ng    | 99     |
| 13) 1,4-Dichlorobenzene        | 7.73  | 146  | 668791   | 39.429 | ng    | 100    |
| 14) 1,2-Dichlorobenzene        | 8.04  | 146  | 650495   | 39.926 | ng    | 99     |
| 15) Benzyl Alcohol             | 7.95  | 79   | 683365   | 45.236 | ng    | 99     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.22  | 45   | 624697   | 42.297 | ng    | 98     |
| 17) 2-Methylphenol             | 8.14  | 107  | 599766   | 47.106 | ng    | 98     |
| 18) Hexachloroethane           | 8.75  | 117  | 249959   | 40.370 | ng    | 97     |
| 19) n-Nitroso-di-n-propylamine | 8.50  | 70   | 616851   | 41.904 | ng    | 99     |
| 20) 3+4-Methylphenols          | 8.47  | 107  | 825563   | 46.957 | ng    | 99     |
| 22) Acetophenone               | 8.52  | 105  | 1021855  | 38.784 | ng    | 100    |
| 24) Nitrobenzene               | 8.90  | 77   | 879780   | 40.848 | ng    | 98     |
| 25) Isophorone                 | 9.42  | 82   | 1552127  | 46.881 | ng    | 99     |
| 26) 2-Nitrophenol              | 9.60  | 139  | 373314   | 43.524 | ng    | 99     |
| 27) 2,4-Dimethylphenol         | 9.66  | 122  | 632856   | 50.517 | ng    | 98     |
| 28) bis(2-Chloroethoxy)methane | 9.90  | 93   | 910407   | 42.524 | ng    | 100    |
| 29) 2,4-Dichlorophenol         | 10.13 | 162  | 649384   | 45.145 | ng    | 99     |
| 30) 1,2,4-Trichlorobenzene     | 10.34 | 180  | 663319   | 39.930 | ng    | 99     |
| 31) Naphthalene                | 10.53 | 128  | 2033060  | 43.449 | ng    | 100    |
| 32) Benzoic acid               | 9.82  | 122  | 431156   | 39.455 | ng    | 96     |
| 33) 4-Chloroaniline            | 10.66 | 127  | 506013   | 24.192 | ng    | 99     |
| 34) Hexachlorobutadiene        | 10.79 | 225  | 355759   | 36.896 | ng    | 99     |
| 35) Caprolactam                | 11.47 | 113  | 170967   | 29.123 | ng    | 93     |
| 36) 4-Chloro-3-methylphenol    | 11.78 | 107  | 752222   | 43.373 | ng    | 99     |
| 37) 2-Methylnaphthalene        | 12.15 | 142  | 1516915  | 46.045 | ng    | 99     |
| 38) 1-Methylnaphthalene        | 12.37 | 142  | 1443644  | 44.812 | ng    | 99     |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.52 | 216  | 711720   | 40.031 | ng    | 99     |

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 Acq On : 27 Feb 2019 16:08  
 Operator : JU/SJ  
 Sample : PB117415BS  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

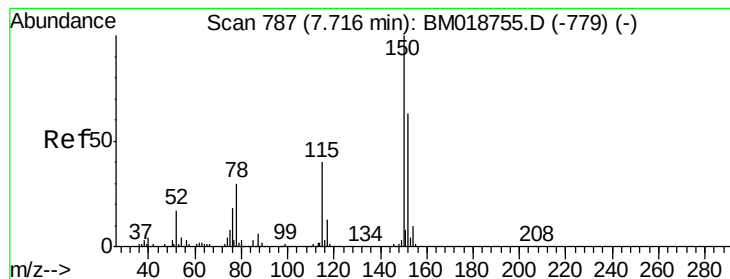
Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB117415BS

Quant Time: Feb 28 03:13:59 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\8270-BM021119.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Feb 11 16:02:12 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 12.48 | 237  | 746290   | 82.101 | ng    | 98       |
| 43) 2,4,6-Trichlorophenol      | 12.77 | 196  | 513809   | 43.655 | ng    | 98       |
| 44) 2,4,5-Trichlorophenol      | 12.84 | 196  | 547743   | 44.401 | ng    | 99       |
| 46) 1,1'-Biphenyl              | 13.17 | 154  | 1916119  | 40.052 | ng    | 99       |
| 47) 2-Chloronaphthalene        | 13.22 | 162  | 1498020  | 40.540 | ng    | 99       |
| 48) 2-Nitroaniline             | 13.44 | 65   | 539505   | 43.961 | ng    | 99       |
| 49) Acenaphthylene             | 14.07 | 152  | 2467864  | 44.853 | ng    | 99       |
| 50) Dimethylphthalate          | 13.81 | 163  | 1874287  | 40.465 | ng    | 99       |
| 51) 2,6-Dinitrotoluene         | 13.94 | 165  | 417590   | 41.619 | ng    | 98       |
| 52) Acenaphthene               | 14.41 | 154  | 1406269  | 41.682 | ng    | 99       |
| 53) 3-Nitroaniline             | 14.27 | 138  | 331689   | 29.257 | ng    | 99       |
| 54) 2,4-Dinitrophenol          | 14.49 | 184  | 461035   | 72.960 | ng    | 98       |
| 55) Dibenzofuran               | 14.74 | 168  | 2287842  | 41.257 | ng    | 99       |
| 56) 4-Nitrophenol              | 14.59 | 139  | 762296   | 84.231 | ng    | 99       |
| 57) 2,4-Dinitrotoluene         | 14.73 | 165  | 600788   | 43.458 | ng    | 98       |
| 58) Fluorene                   | 15.40 | 166  | 1869342  | 44.064 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol  | 14.97 | 232  | 483420   | 44.334 | ng    | 98       |
| 60) Diethylphthalate           | 15.17 | 149  | 1907279  | 39.918 | ng    | 100      |
| 61) 4-Chlorophenyl-phenylether | 15.39 | 204  | 912608   | 38.368 | ng    | 99       |
| 62) 4-Nitroaniline             | 15.44 | 138  | 428574   | 38.560 | ng    | 99       |
| 63) Azobenzene                 | 15.69 | 77   | 2122128  | 41.423 | ng    | 99       |
| 65) 4,6-Dinitro-2-methylphenol | 15.49 | 198  | 308364   | 36.008 | ng    | 99       |
| 66) n-Nitrosodiphenylamine     | 15.62 | 169  | 1605886  | 41.673 | ng    | 100      |
| 67) 4-Bromophenyl-phenylether  | 16.29 | 248  | 545284   | 39.940 | ng    | 99       |
| 68) Hexachlorobenzene          | 16.39 | 284  | 646131   | 40.717 | ng    | 98       |
| 69) Atrazine                   | 16.57 | 200  | 509852   | 41.040 | ng    | 99       |
| 70) Pentachlorophenol          | 16.74 | 266  | 825196   | 80.761 | ng    | 99       |
| 71) Phenanthrene               | 17.14 | 178  | 2927061  | 44.655 | ng    | 100      |
| 72) Anthracene                 | 17.23 | 178  | 3008073  | 47.148 | ng    | 99       |
| 73) Carbazole                  | 17.51 | 167  | 2786544  | 41.804 | ng    | 99       |
| 74) Di-n-butylphthalate        | 18.06 | 149  | 3417470  | 44.580 | ng    | 100      |
| 75) Fluoranthene               | 19.16 | 202  | 3522924  | 46.527 | ng    | 98       |
| 77) Benzidine                  | 19.36 | 184  | 2223504  | 71.169 | ng    | 100      |
| 78) Pyrene                     | 19.53 | 202  | 3644524  | 45.235 | ng    | 100      |
| 80) Butylbenzylphthalate       | 20.43 | 149  | 1767316  | 48.131 | ng    | 98       |
| 81) Benzo(a)anthracene         | 21.28 | 228  | 3647357  | 45.105 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine     | 21.22 | 252  | 1070843  | 33.507 | ng    | 99       |
| 83) Chrysene                   | 21.33 | 228  | 3397648  | 43.836 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phthalate | 21.20 | 149  | 2573588  | 47.888 | ng    | 99       |
| 85) Di-n-octyl phthalate       | 22.08 | 149  | 4507984  | 49.909 | ng    | 100      |
| 86) Indeno(1,2,3-cd)pyrene     | 25.83 | 276  | 3286238  | 36.724 | ng    | 100      |
| 88) Benzo(b)fluoranthene       | 22.87 | 252  | 3315442  | 47.293 | ng    | 100      |
| 89) Benzo(k)fluoranthene       | 22.91 | 252  | 3212271  | 46.025 | ng    | 100      |
| 90) Benzo(a)pyrene             | 23.45 | 252  | 3049156  | 45.913 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene     | 25.84 | 278  | 2806824  | 42.659 | ng    | 99       |
| 92) Benzo(g,h,i)perylene       | 26.53 | 276  | 2646872  | 43.211 | ng    | 99       |

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



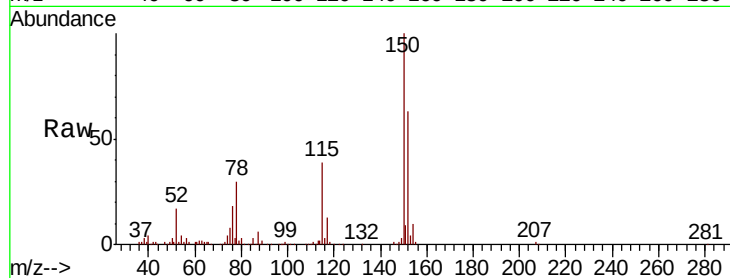


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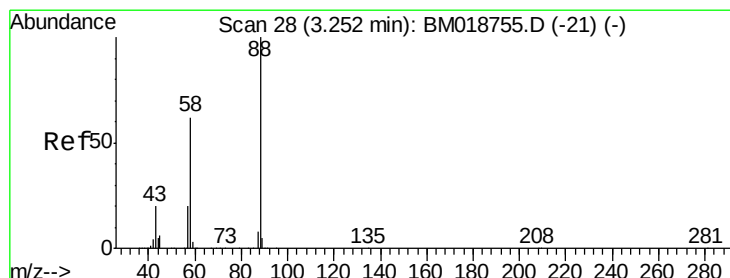
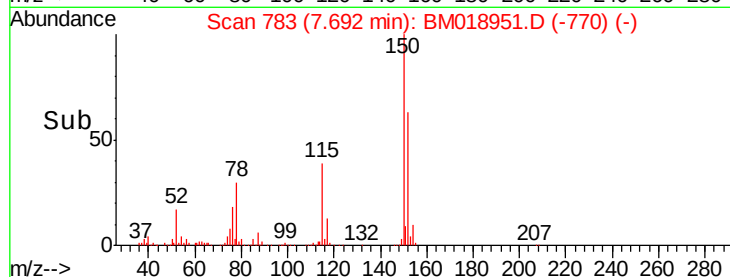
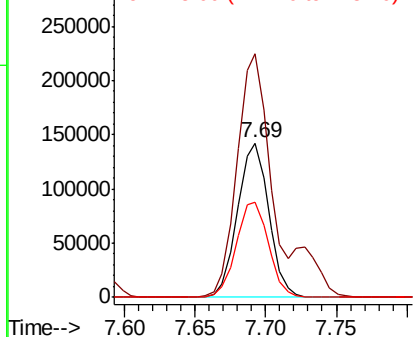
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.69 min Scan# 783  
Delta R.T. -0.02 min  
Lab File: BM018951.D  
Acq: 27 Feb 2019 16:08

Instrument :  
BNA\_M  
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PB117415BS

Tgt Ion:152 Resp: 221123  
Ion Ratio Lower Upper  
152 100  
150 157.9 127.3 190.9  
115 62.0 50.8 76.2



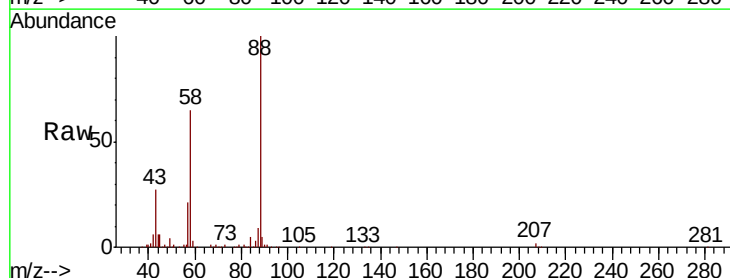
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



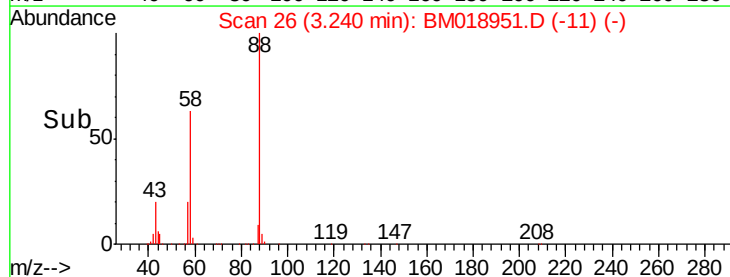
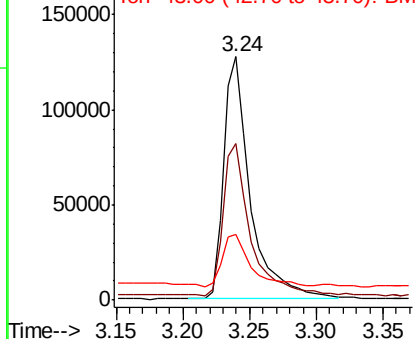
#2

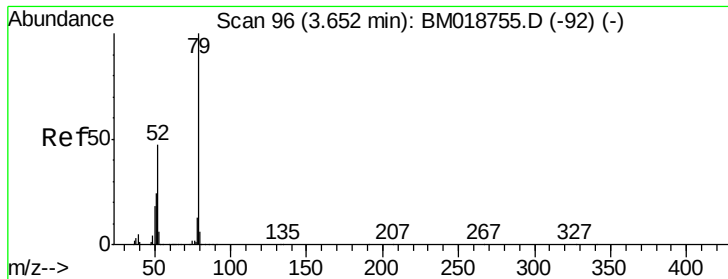
1,4-Dioxane  
Concen: 30.350 ng  
RT: 3.24 min Scan# 26  
Delta R.T. -0.01 min  
Lab File: BM018951.D  
Acq: 27 Feb 2019 16:08

Tgt Ion: 88 Resp: 178397  
Ion Ratio Lower Upper  
88 100  
58 63.1 49.8 74.6  
43 22.6 16.7 25.1



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

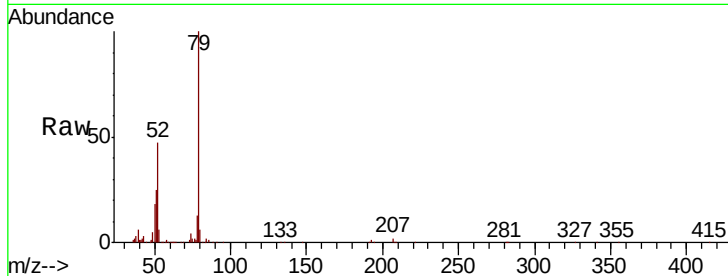




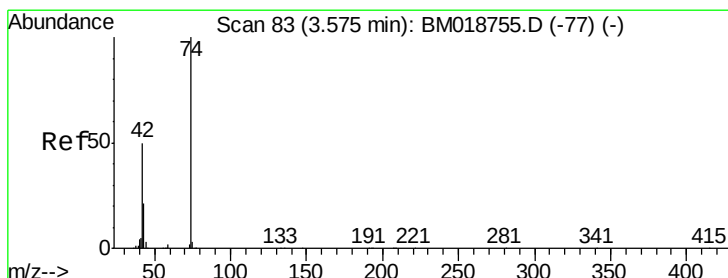
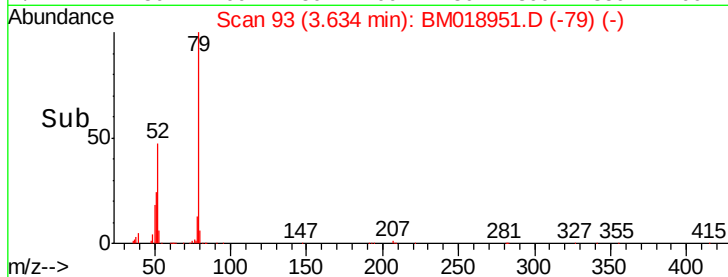
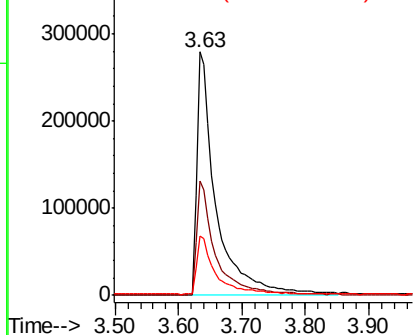
#3  
 Pyridine  
 Concen: 35.769 ng  
 RT: 3.63 min Scan# 93  
 Delta R.T. -0.02 min  
 Lab File: BM018951.D  
 Acq: 27 Feb 2019 16:08

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB117415BS

Tgt Ion: 79 Resp: 573496  
 Ion Ratio Lower Upper  
 79 100  
 52 47.1 37.6 56.4  
 51 24.6 19.7 29.5

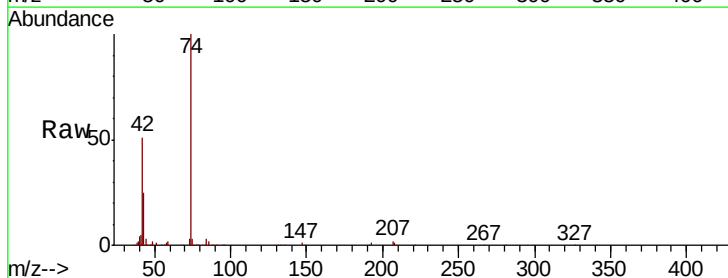


Abundance Ion 79.00 (78.70 to 79.70): BM0  
 Ion 52.00 (51.70 to 52.70): BM0  
 Ion 51.00 (50.70 to 51.70): BM0

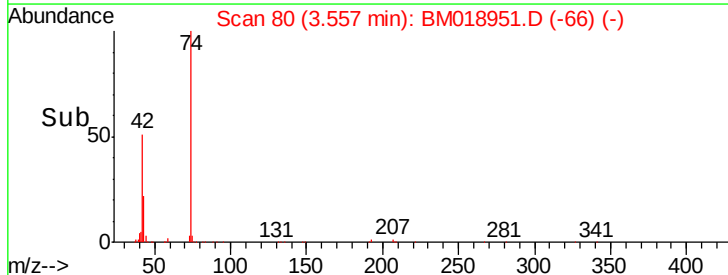
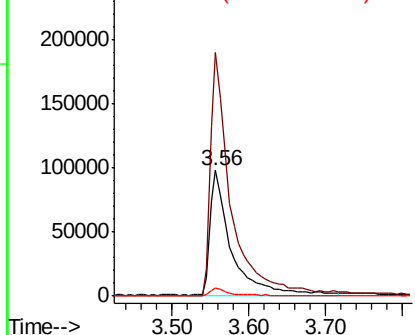


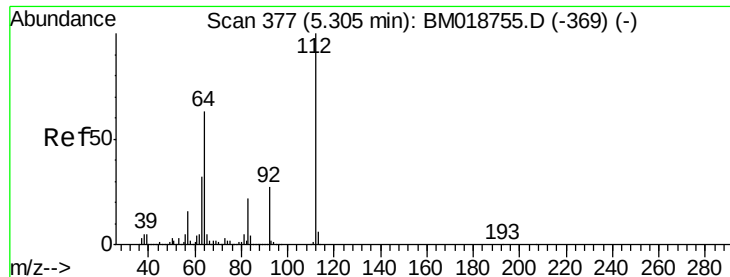
#4  
 n-Nitrosodimethylamine  
 Concen: 45.077 ng  
 RT: 3.56 min Scan# 80  
 Delta R.T. -0.02 min  
 Lab File: BM018951.D  
 Acq: 27 Feb 2019 16:08

Tgt Ion: 42 Resp: 183863  
 Ion Ratio Lower Upper  
 42 100  
 74 194.4 158.1 237.1  
 44 6.0 4.9 7.3



Abundance Ion 42.00 (41.70 to 42.70): BM0  
 Ion 74.00 (73.70 to 74.70): BM0  
 Ion 44.00 (43.70 to 44.70): BM0





#5

2-Fluorophenol

Concen: 151.878 ng

RT: 5.29 min Scan# 374

Delta R.T. -0.02 min

Lab File: BM018951.D

Acq: 27 Feb 2019 16:08

Instrument :

BNA\_M

ClientSampleId :

PB117415BS

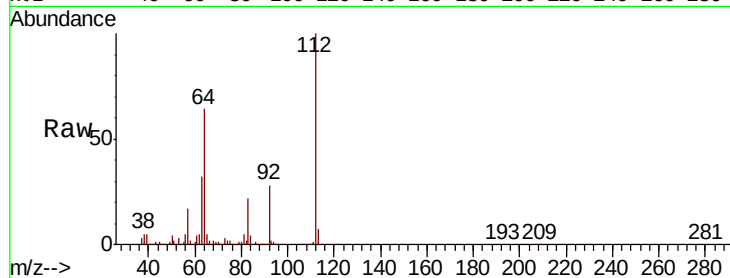
Tgt Ion: 112 Resp: 2049695

Ion Ratio Lower Upper

112 100

64 64.3 50.6 75.8

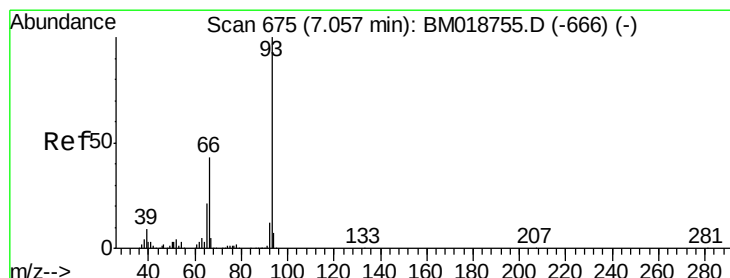
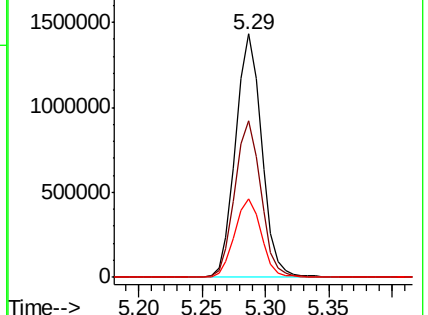
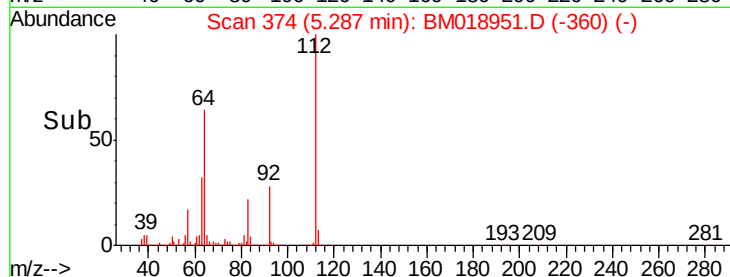
63 32.4 25.7 38.5



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): B

Ion 63.00 (62.70 to 63.70): B



#6

Aniline

Concen: 38.803 ng

RT: 7.03 min Scan# 671

Delta R.T. -0.02 min

Lab File: BM018951.D

Acq: 27 Feb 2019 16:08

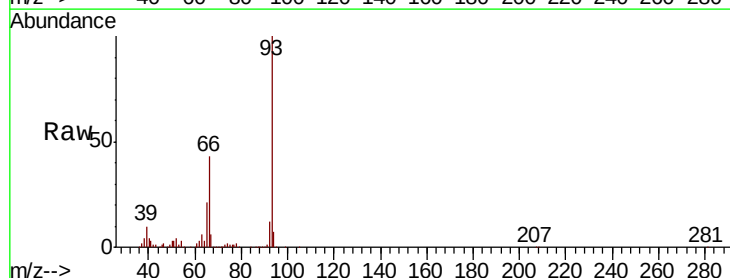
Tgt Ion: 93 Resp: 903898

Ion Ratio Lower Upper

93 100

66 42.8 34.1 51.1

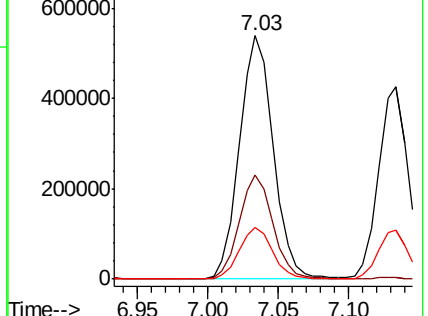
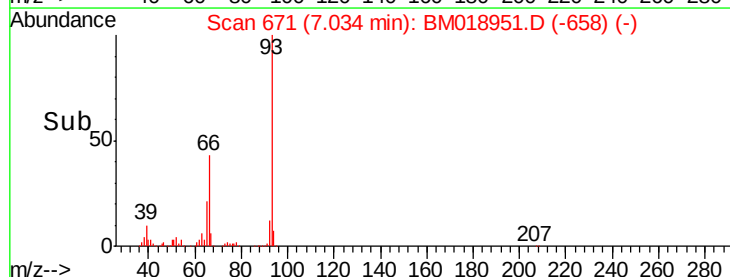
65 21.4 16.6 24.8

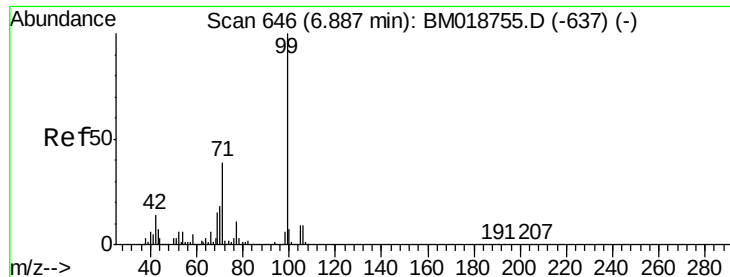


Abundance Ion 93.00 (92.70 to 93.70): B

Ion 66.00 (65.70 to 66.70): B

Ion 65.00 (64.70 to 65.70): B





#7

Phenol-d6

Concen: 156.856 ng

RT: 6.87 min Scan# 644

Delta R.T. -0.01 min

Lab File: BM018951.D

Acq: 27 Feb 2019 16:08

Instrument :

BNA\_M

ClientSampleId :

PB117415BS

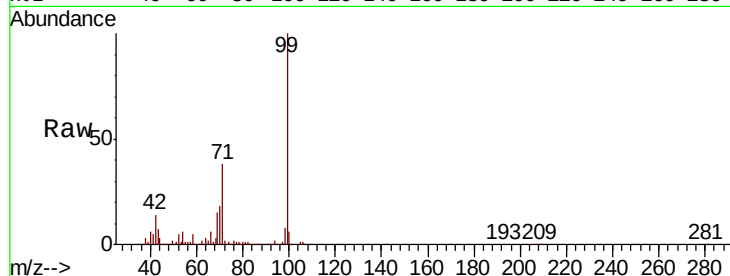
Tgt Ion: 99 Resp: 2982165

Ion Ratio Lower Upper

99 100

42 14.0 11.0 16.6

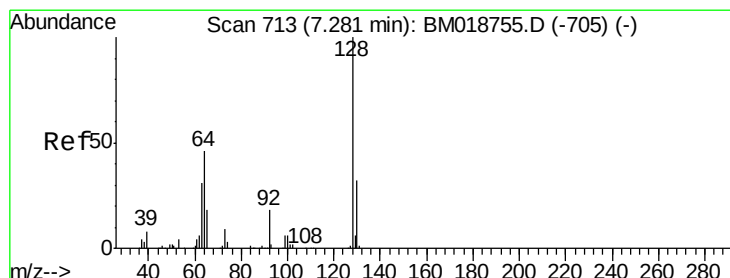
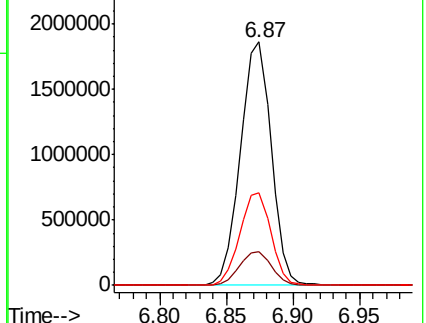
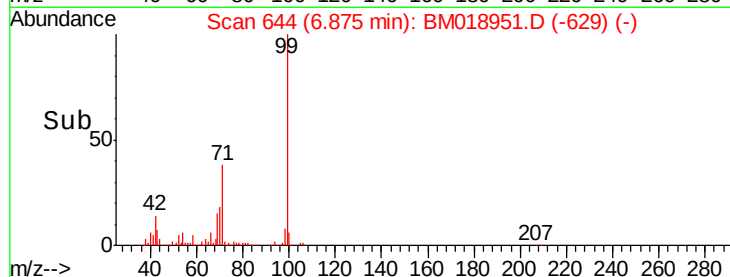
71 38.3 31.3 46.9



Abundance Ion 99.00 (98.70 to 99.70): BM018951.D (-629) (-)

Ion 42.00 (41.70 to 42.70): BM018951.D (-629) (-)

Ion 71.00 (70.70 to 71.70): BM018951.D (-629) (-)



#8

2-Chlorophenol

Concen: 45.719 ng

RT: 7.26 min Scan# 709

Delta R.T. -0.02 min

Lab File: BM018951.D

Acq: 27 Feb 2019 16:08

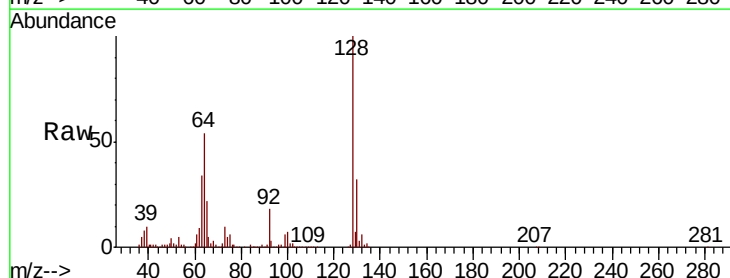
Tgt Ion: 128 Resp: 677425

Ion Ratio Lower Upper

128 100

130 32.2 11.7 51.7

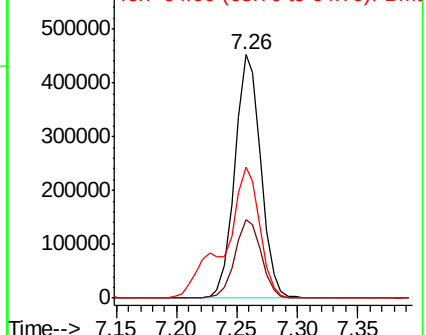
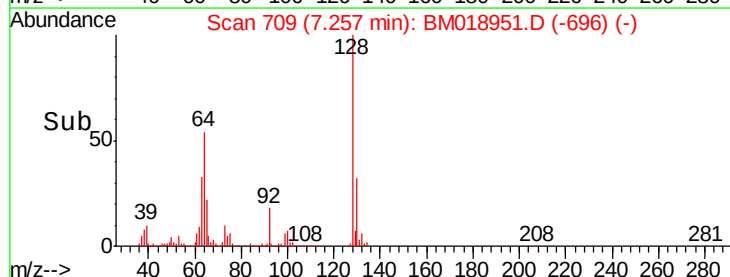
64 54.0 31.0 71.0



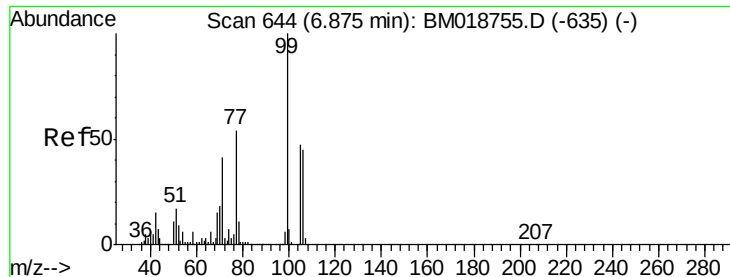
Abundance Ion 128.00 (127.70 to 128.70): BM018951.D (-696) (-)

Ion 130.00 (129.70 to 130.70): BM018951.D (-696) (-)

Ion 64.00 (63.70 to 64.70): BM018951.D (-696) (-)







#9

Benzaldehyde

Concen: 27.570 ng

RT: 6.85 min Scan# 640

Delta R.T. -0.02 min

Lab File: BM018951.D

Acq: 27 Feb 2019 16:08

Instrument :

BNA\_M

ClientSampleId :

PB117415BS

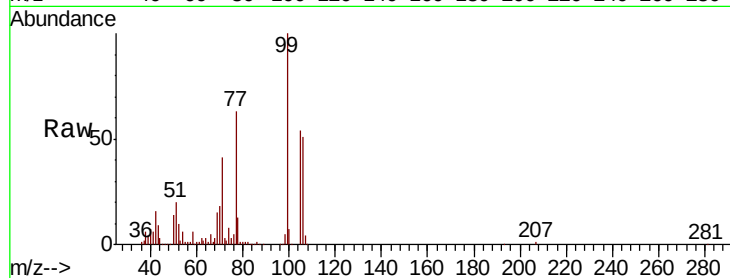
Tgt Ion: 77 Resp: 312548

Ion Ratio Lower Upper

77 100

105 86.0 67.3 107.3

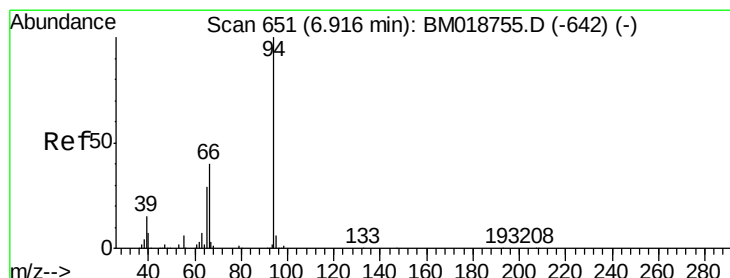
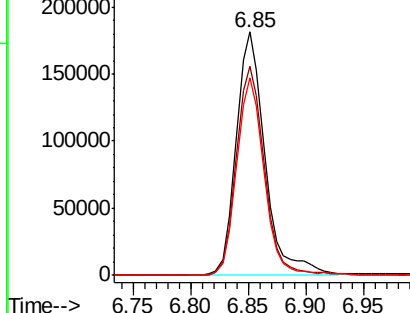
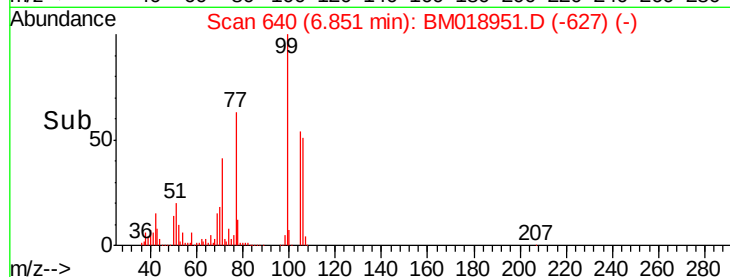
106 81.1 62.9 102.9



Abundance Ion 77.00 (76.70 to 77.70): BM018951.D (-627) (-)

Ion 105.00 (104.70 to 105.70): BM018951.D (-627) (-)

Ion 106.00 (105.70 to 106.70): BM018951.D (-627) (-)



#10

Phenol

Concen: 47.361 ng

RT: 6.90 min Scan# 648

Delta R.T. -0.02 min

Lab File: BM018951.D

Acq: 27 Feb 2019 16:08

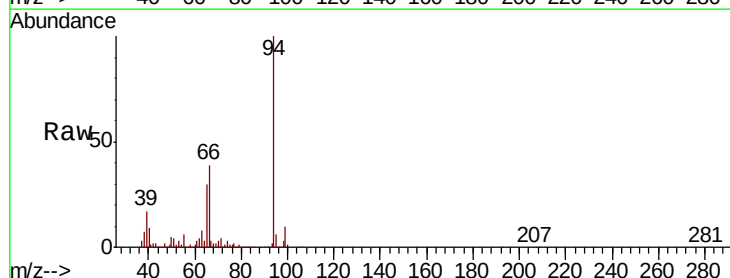
Tgt Ion: 94 Resp: 947429

Ion Ratio Lower Upper

94 100

65 29.9 9.6 49.6

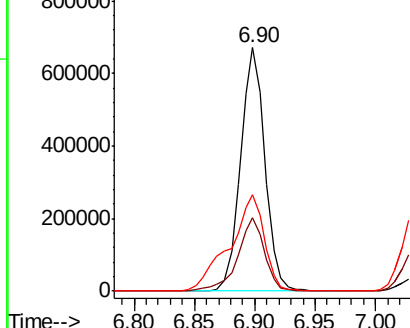
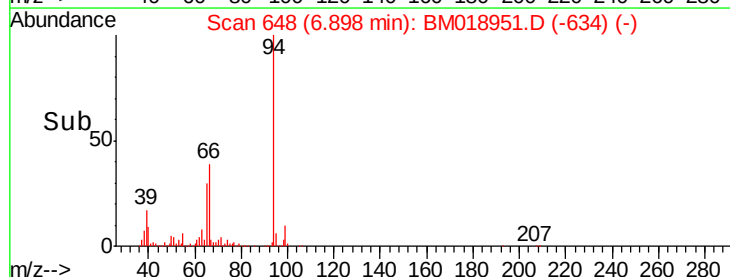
66 39.4 20.4 60.4



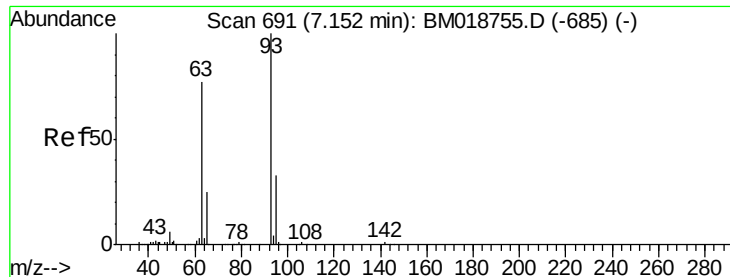
Abundance Ion 94.00 (93.70 to 94.70): BM018951.D (-634) (-)

Ion 65.00 (64.70 to 65.70): BM018951.D (-634) (-)

Ion 66.00 (65.70 to 66.70): BM018951.D (-634) (-)



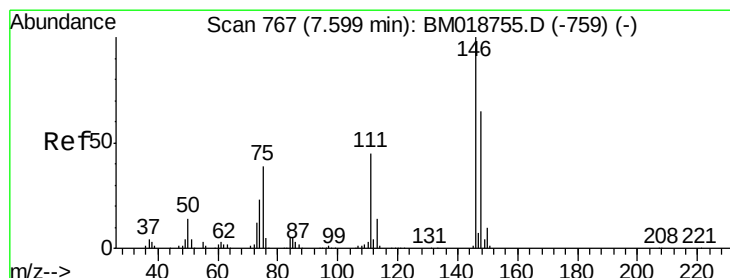
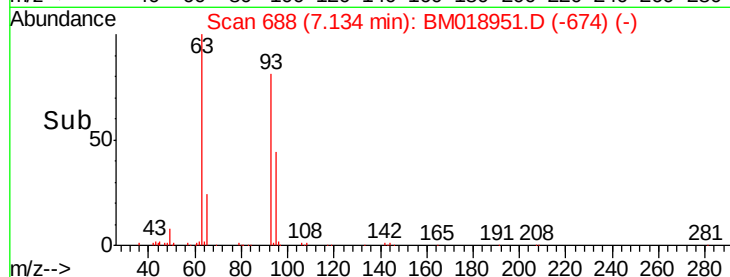
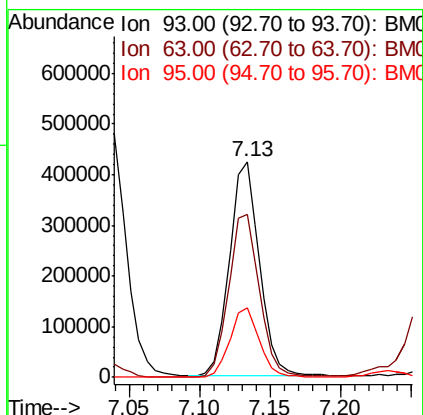
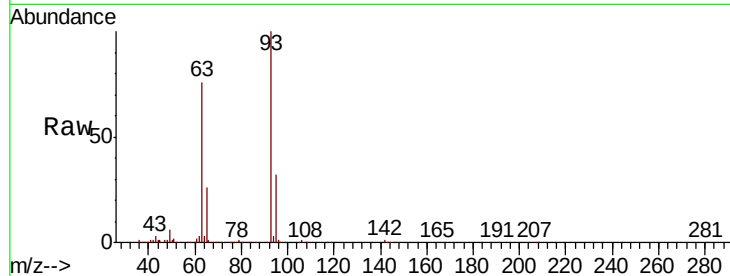




#11  
bis(2-Chloroethyl)ether  
Concen: 40.671 ng  
RT: 7.13 min Scan# 688  
Delta R.T. -0.02 min  
Lab File: BM018951.D  
Acq: 27 Feb 2019 16:08

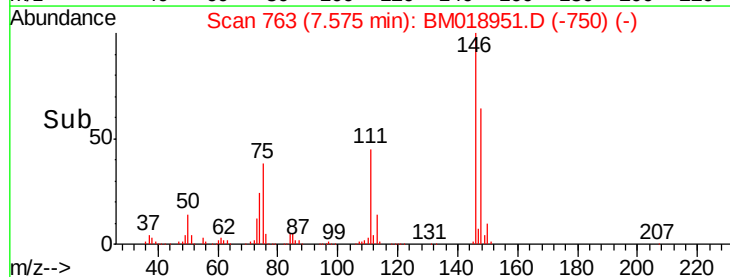
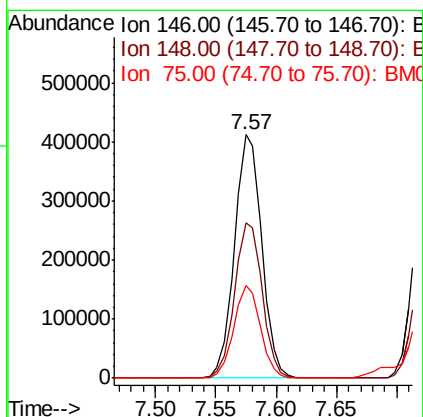
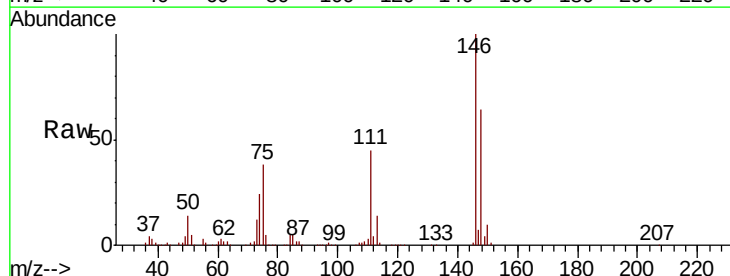
Instrument :  
BNA\_M  
ClientSampleId :  
PB117415BS

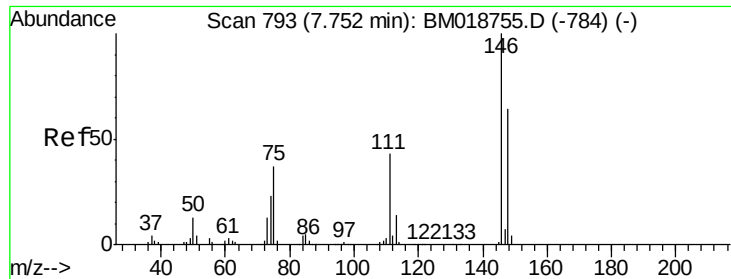
Tgt Ion: 93 Resp: 620639  
Ion Ratio Lower Upper  
93 100  
63 75.8 57.0 97.0  
95 32.3 12.4 52.4



#12  
1,3-Dichlorobenzene  
Concen: 38.952 ng  
RT: 7.57 min Scan# 763  
Delta R.T. -0.02 min  
Lab File: BM018951.D  
Acq: 27 Feb 2019 16:08

Tgt Ion: 146 Resp: 648975  
Ion Ratio Lower Upper  
146 100  
148 63.9 51.7 77.5  
75 37.9 31.3 46.9

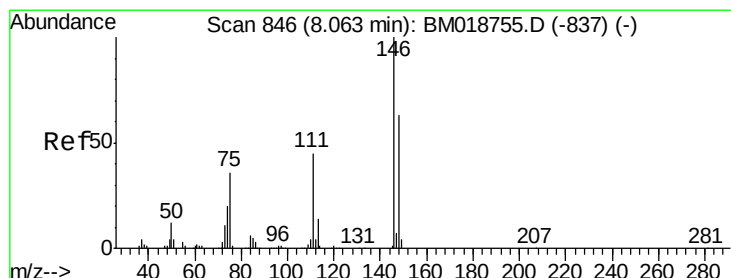
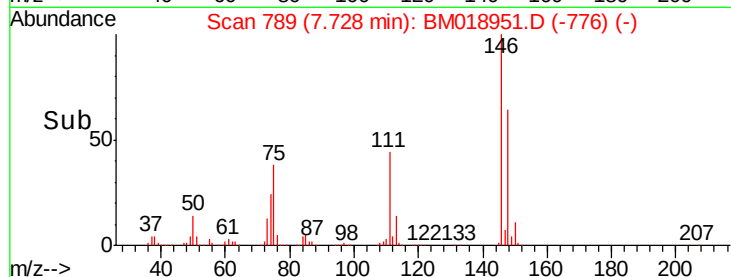
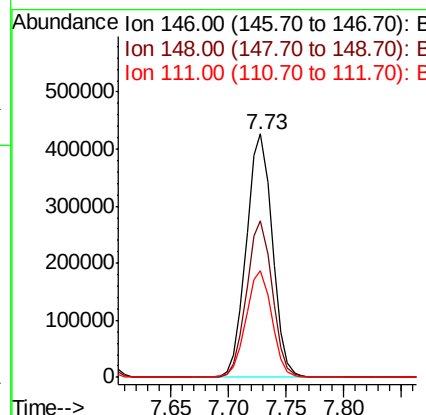
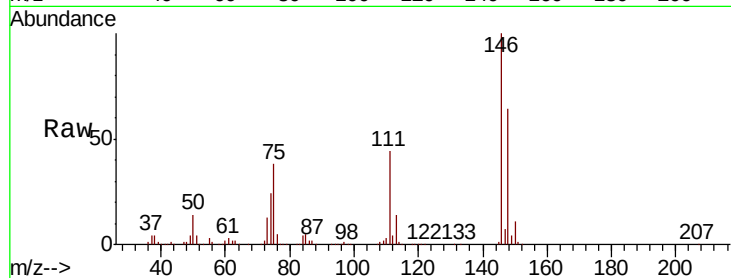




#13  
 1,4-Dichlorobenzene  
 Concen: 39.429 ng  
 RT: 7.73 min Scan# 789  
 Delta R.T. -0.02 min  
 Lab File: BM018951.D  
 Acq: 27 Feb 2019 16:08

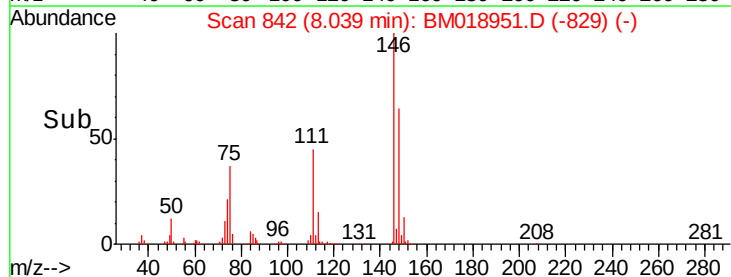
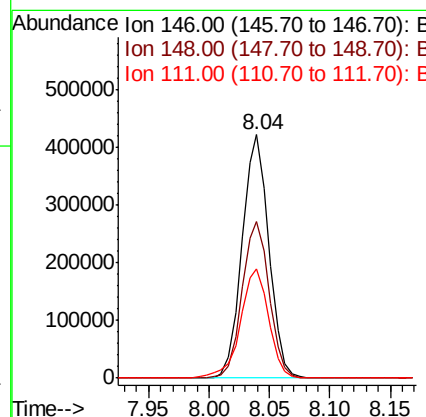
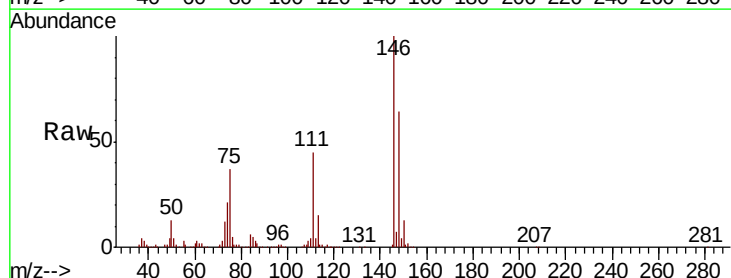
Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB117415BS

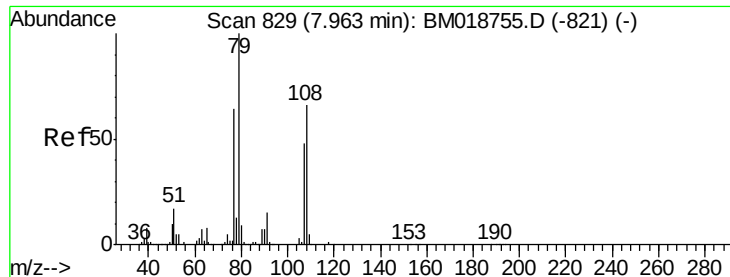
Tgt Ion:146 Resp: 668791  
 Ion Ratio Lower Upper  
 146 100  
 148 64.3 51.4 77.2  
 111 43.8 34.6 52.0



#14  
 1,2-Dichlorobenzene  
 Concen: 39.926 ng  
 RT: 8.04 min Scan# 842  
 Delta R.T. -0.02 min  
 Lab File: BM018951.D  
 Acq: 27 Feb 2019 16:08

Tgt Ion:146 Resp: 650495  
 Ion Ratio Lower Upper  
 146 100  
 148 64.4 50.7 76.1  
 111 44.6 35.9 53.9





#15

Benzyl Alcohol

Concen: 45.236 ng

RT: 7.95 min Scan# 826

Delta R.T. -0.02 min

Lab File: BM018951.D

Acq: 27 Feb 2019 16:08

Instrument :

BNA\_M

ClientSampleId :

PB117415BS

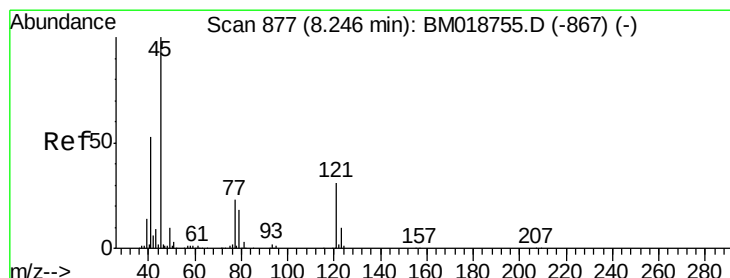
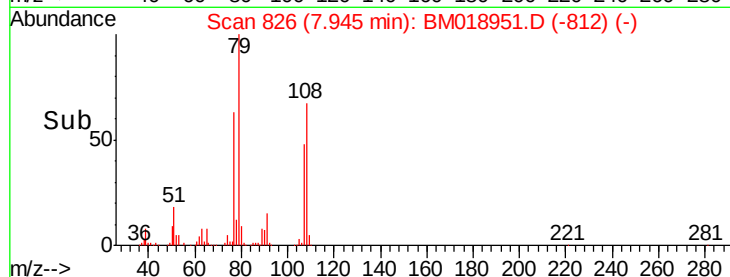
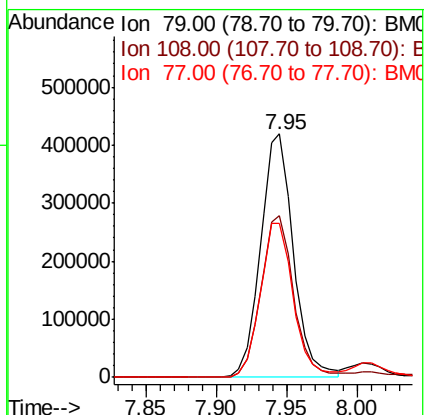
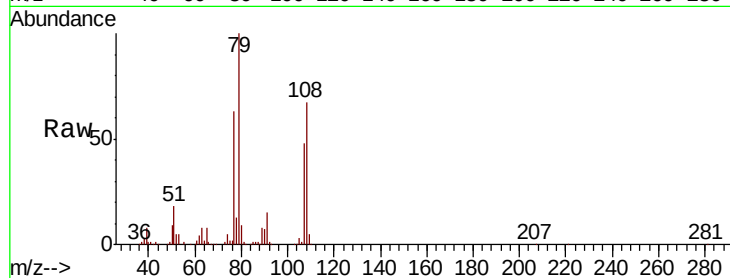
Tgt Ion: 79 Resp: 683365

Ion Ratio Lower Upper

79 100

108 66.5 52.7 79.1

77 63.5 51.0 76.4



#16

2,2'-oxybis(1-Chloropropane)

Concen: 42.297 ng

RT: 8.22 min Scan# 873

Delta R.T. -0.02 min

Lab File: BM018951.D

Acq: 27 Feb 2019 16:08

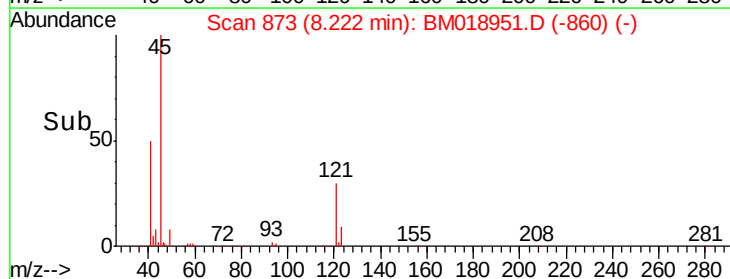
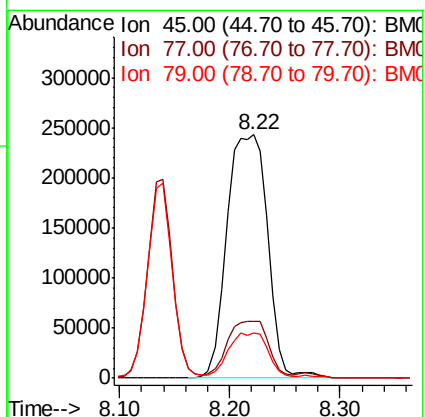
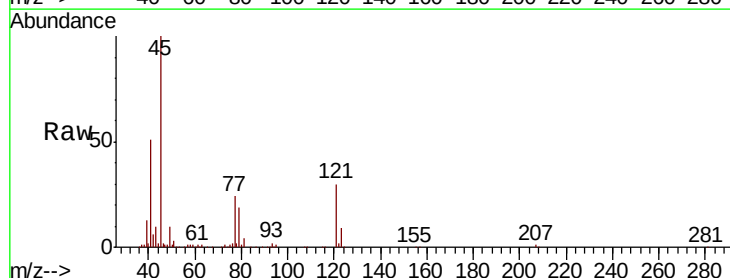
Tgt Ion: 45 Resp: 624697

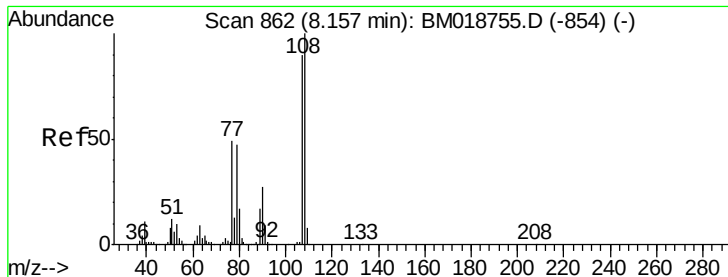
Ion Ratio Lower Upper

45 100

77 23.5 5.0 45.0

79 18.8 0.0 39.3





#17

2-Methylphenol

Concen: 47.106 ng

RT: 8.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: BM018951.D

Acq: 27 Feb 2019 16:08

Instrument :

BNA\_M

ClientSampleId :

PB117415BS

Tgt Ion:107 Resp: 599766

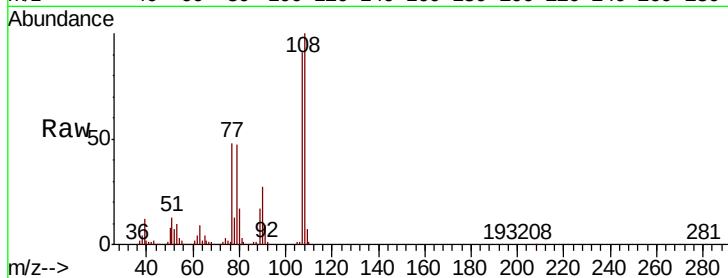
Ion Ratio Lower Upper

107 100

108 109.6 88.8 133.2

77 52.4 44.0 66.0

79 51.3 42.4 63.6



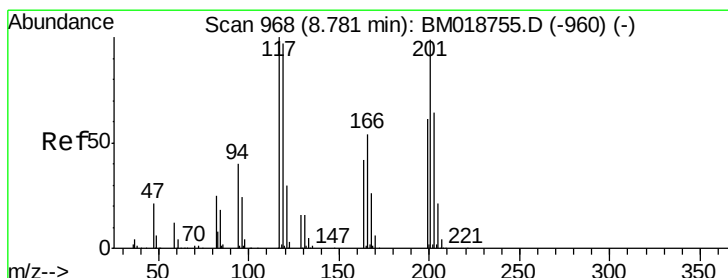
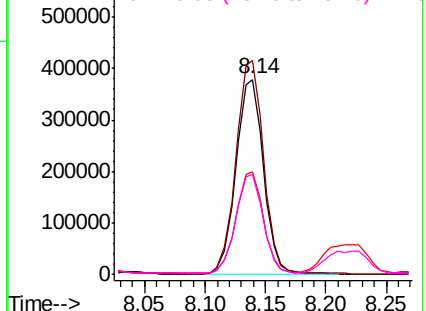
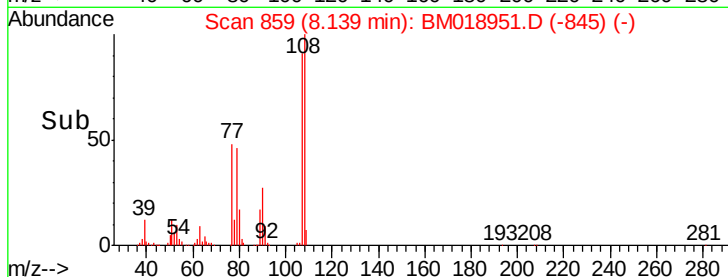
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BM

Ion 79.00 (78.70 to 79.70): BM



#18

Hexachloroethane

Concen: 40.370 ng

RT: 8.75 min Scan# 963

Delta R.T. -0.03 min

Lab File: BM018951.D

Acq: 27 Feb 2019 16:08

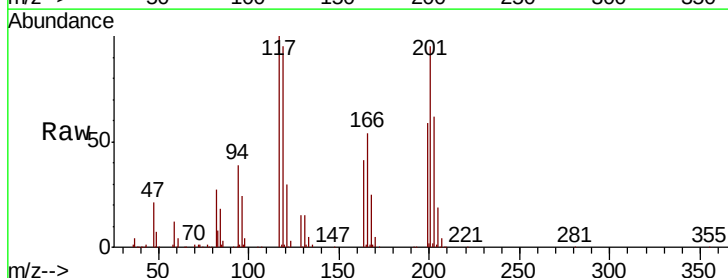
Tgt Ion:117 Resp: 249959

Ion Ratio Lower Upper

117 100

119 95.2 77.9 116.9

201 94.8 79.2 118.8

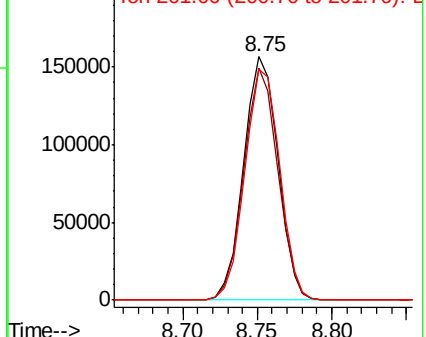
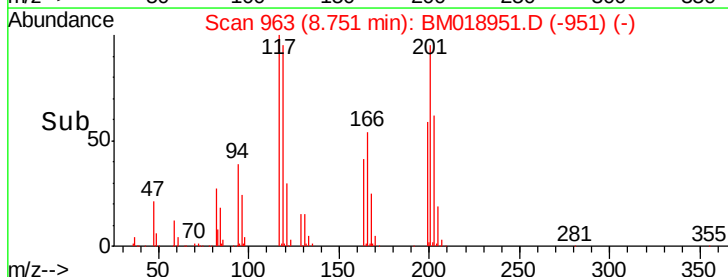


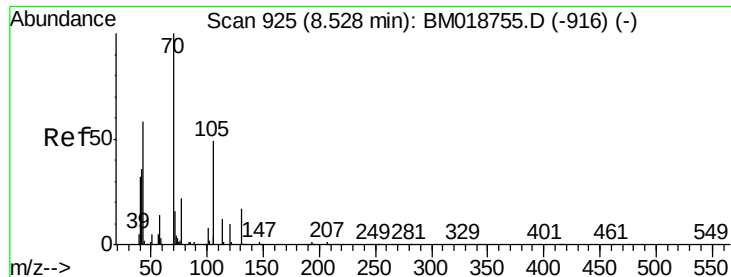
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

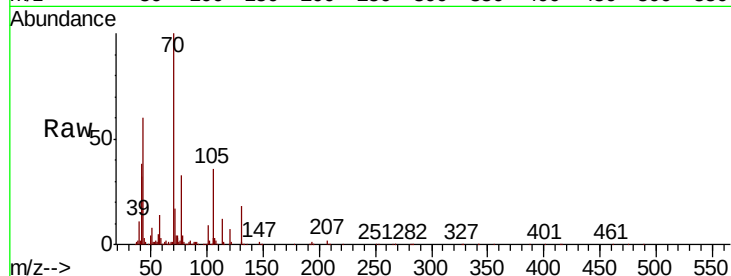




#19  
n-Nitroso-di-n-propylamine  
Concen: 41.904 ng  
RT: 8.50 min Scan# 921  
Delta R.T. -0.02 min  
Lab File: BM018951.D  
Acq: 27 Feb 2019 16:08

Instrument :  
BNA\_M  
ClientSampleId :  
PB117415BS

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 70    | Resp: | 616851 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 37.7  | 29.4  | 44.0   |
| 101      | 8.9   | 6.7   | 10.1   |
| 130      | 17.7  | 14.0  | 21.0   |



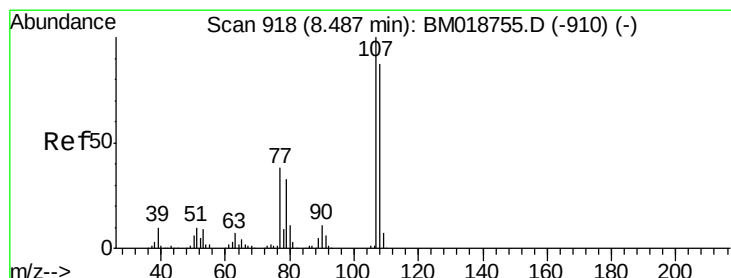
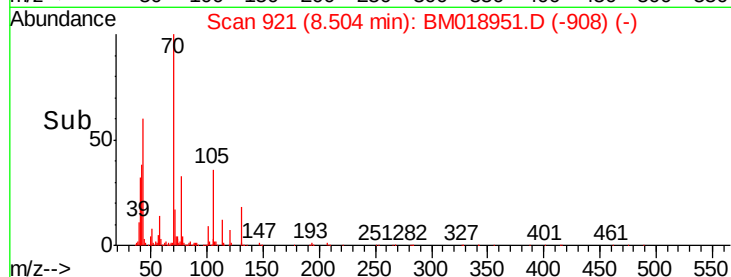
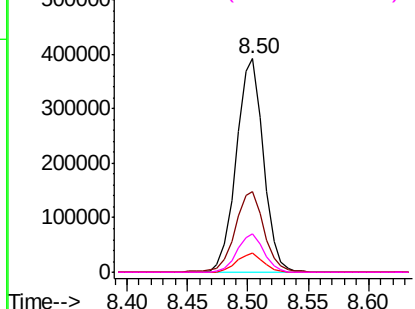
Abundance

Ion 70.00 (69.70 to 70.70): BM018755.D (-916) (-)

Ion 42.00 (41.70 to 42.70): BM018755.D (-916) (-)

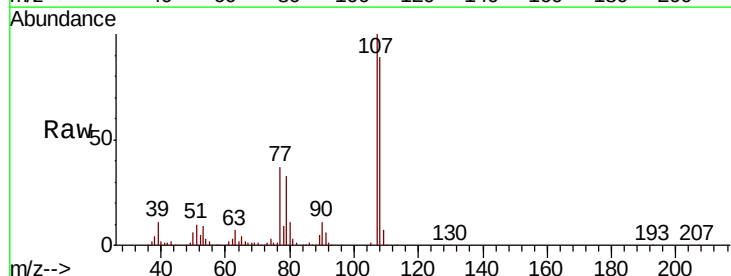
Ion 101.00 (100.70 to 101.70): BM018755.D (-916) (-)

Ion 130.00 (129.70 to 130.70): BM018755.D (-916) (-)



#20  
3+4-Methylphenols  
Concen: 46.957 ng  
RT: 8.47 min Scan# 915  
Delta R.T. -0.02 min  
Lab File: BM018951.D  
Acq: 27 Feb 2019 16:08

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 825563 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 88.7  | 67.3  | 107.3  |
| 77       | 37.5  | 18.0  | 58.0   |
| 79       | 32.9  | 12.8  | 52.8   |



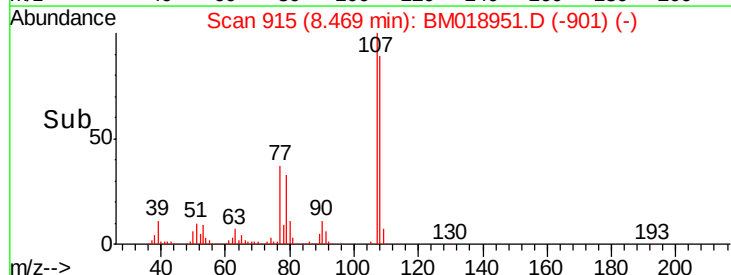
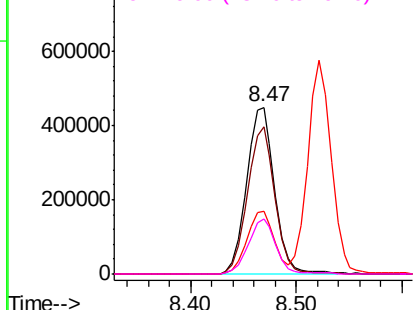
Abundance

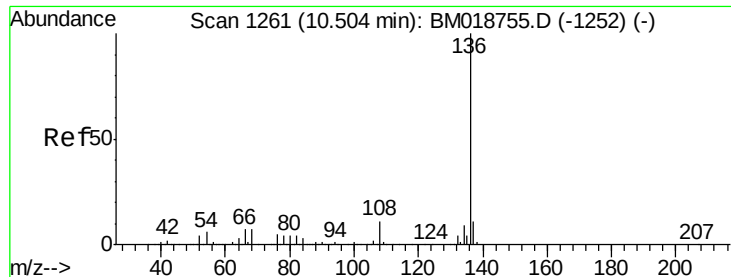
Ion 107.00 (106.70 to 107.70): BM018755.D (-910) (-)

Ion 108.00 (107.70 to 108.70): BM018755.D (-910) (-)

Ion 77.00 (76.70 to 77.70): BM018755.D (-910) (-)

Ion 79.00 (78.70 to 79.70): BM018755.D (-910) (-)

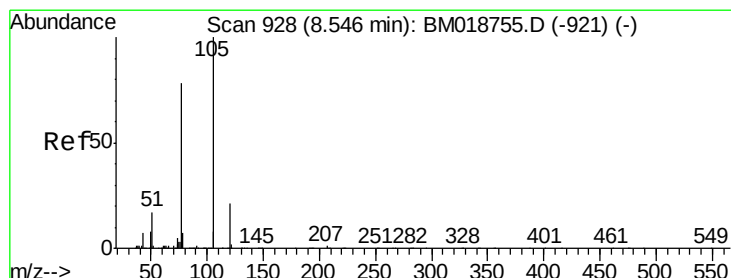
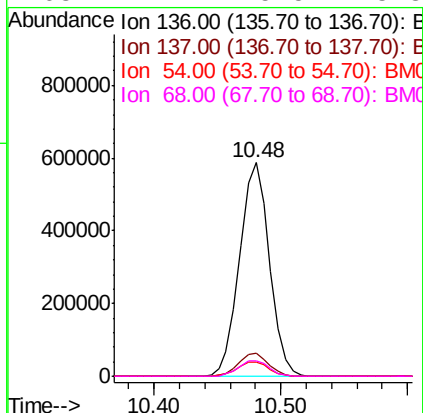
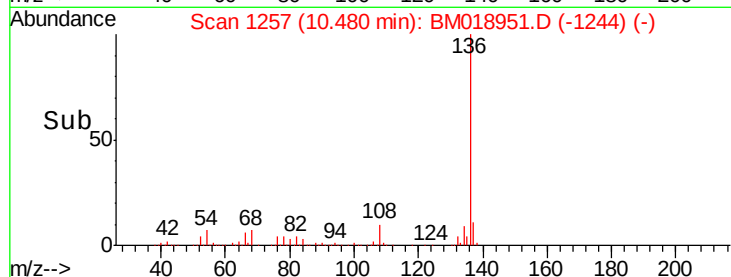
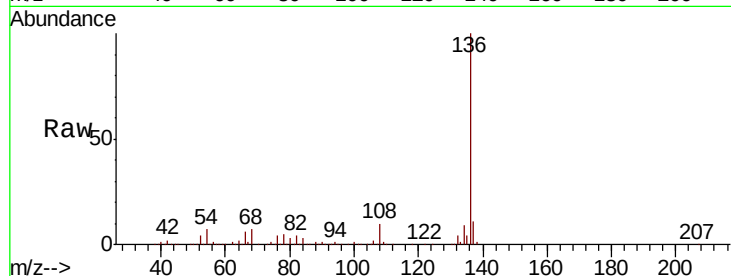




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.48 min Scan# 1257  
Delta R.T. -0.02 min  
Lab File: BM018951.D  
Acq: 27 Feb 2019 16:08

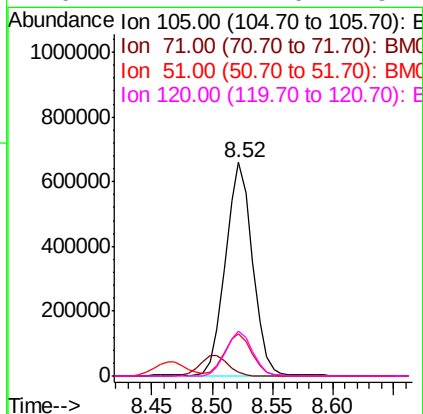
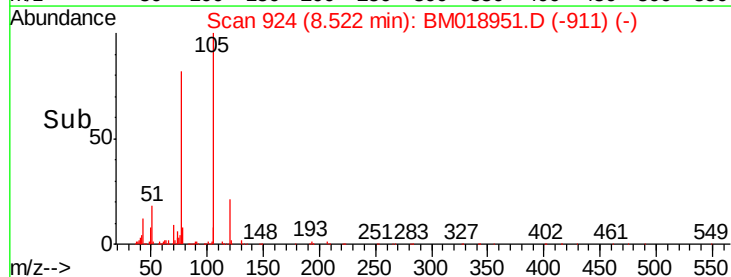
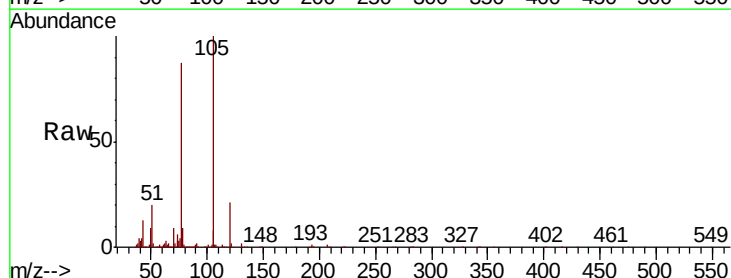
Instrument :  
BNA\_M  
ClientSampleId :  
PB117415BS

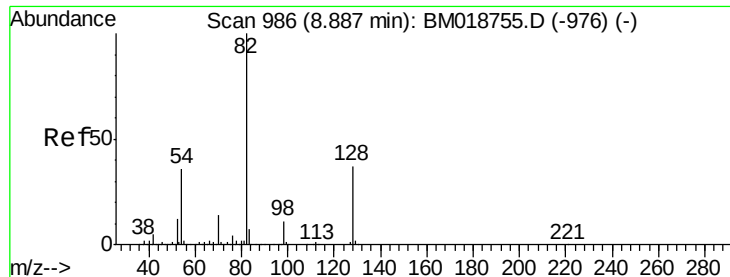
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 959421 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.7  | 8.8   | 13.2   |
| 54       | 6.7   | 5.0   | 7.6    |
| 68       | 7.2   | 5.5   | 8.3    |



#22  
Acetophenone  
Concen: 38.784 ng  
RT: 8.52 min Scan# 924  
Delta R.T. -0.02 min  
Lab File: BM018951.D  
Acq: 27 Feb 2019 16:08

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 105   | Resp: | 1021855 |
| Ion      | Ratio | Lower | Upper   |
| 105      | 100   |       |         |
| 71       | 1.5   | 1.1   | 1.7     |
| 51       | 19.7  | 15.5  | 23.3    |
| 120      | 21.2  | 17.0  | 25.4    |





#23

Nitrobenzene-d5

Concen: 91.268 ng

RT: 8.86 min Scan# 982

Delta R.T. -0.02 min

Lab File: BM018951.D

Acq: 27 Feb 2019 16:08

Instrument :

BNA\_M

ClientSampleId :

PB117415BS

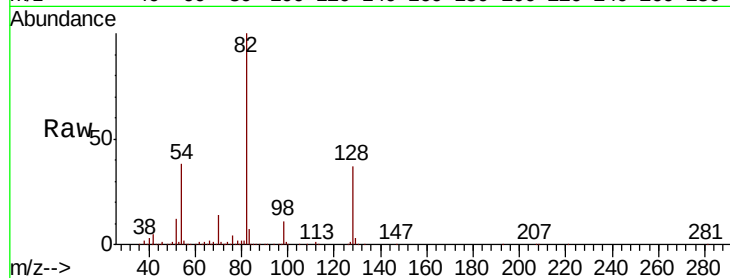
Tgt Ion: 82 Resp: 1893741

Ion Ratio Lower Upper

82 100

128 36.9 29.9 44.9

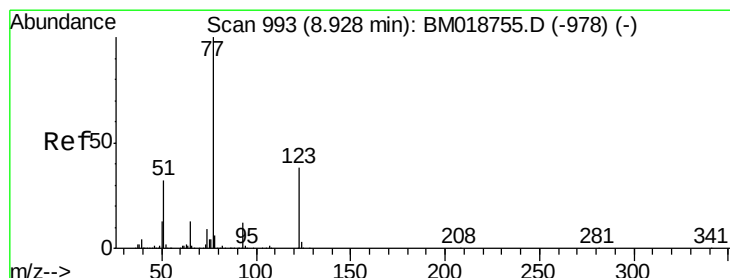
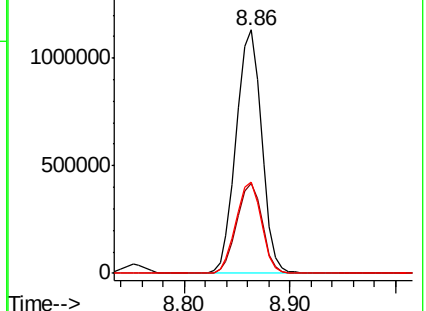
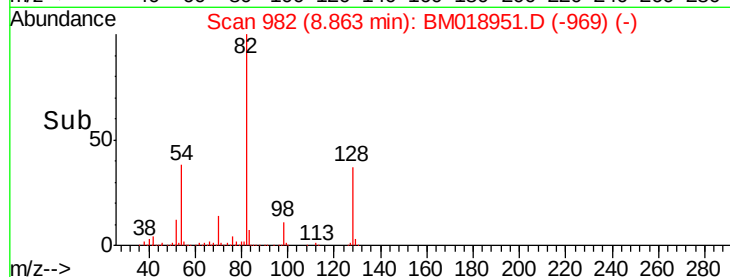
54 37.6 29.1 43.7



Abundance Ion 82.00 (81.70 to 82.70): BM018951.D (-969) (-)

Ion 128.00 (127.70 to 128.70): BM018951.D (-969) (-)

Ion 54.00 (53.70 to 54.70): BM018951.D (-969) (-)



#24

Nitrobenzene

Concen: 40.848 ng

RT: 8.90 min Scan# 989

Delta R.T. -0.02 min

Lab File: BM018951.D

Acq: 27 Feb 2019 16:08

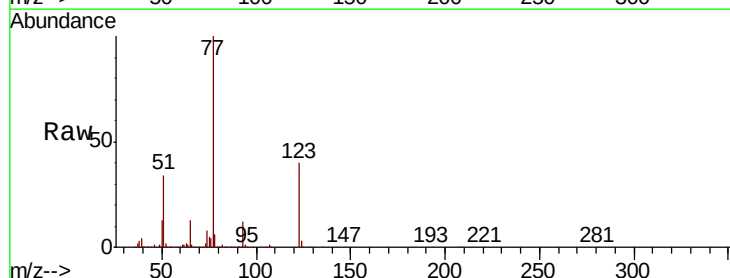
Tgt Ion: 77 Resp: 879780

Ion Ratio Lower Upper

77 100

123 39.8 30.7 46.1

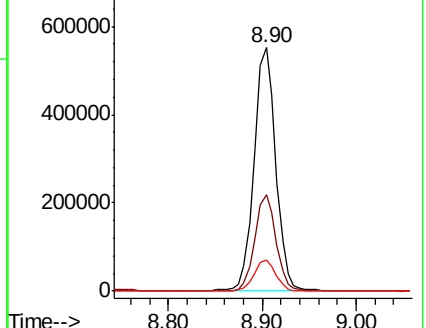
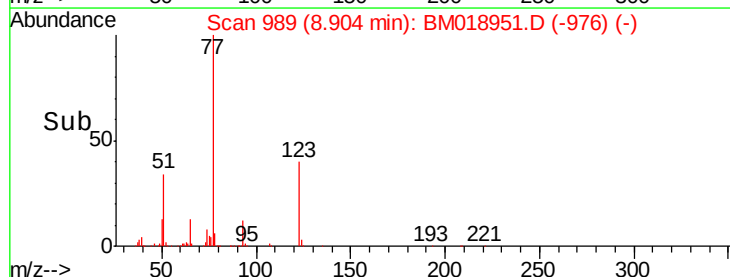
65 12.8 10.5 15.7



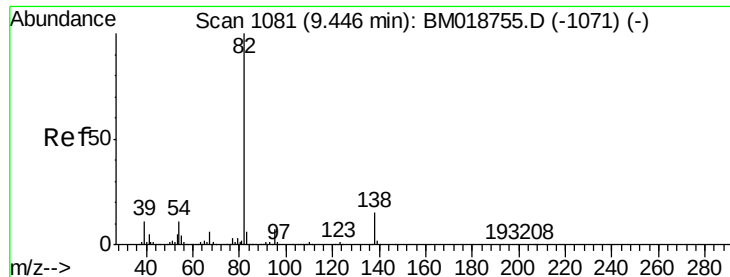
Abundance Ion 77.00 (76.70 to 77.70): BM018951.D (-976) (-)

Ion 123.00 (122.70 to 123.70): BM018951.D (-976) (-)

Ion 65.00 (64.70 to 65.70): BM018951.D (-976) (-)



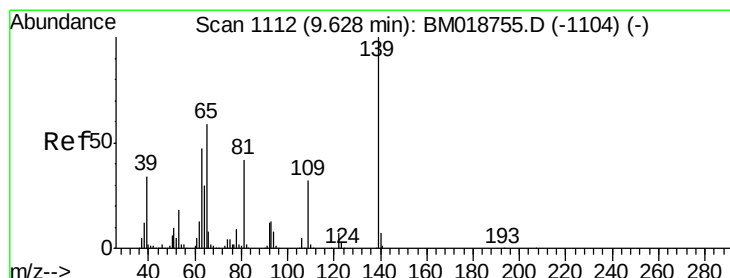
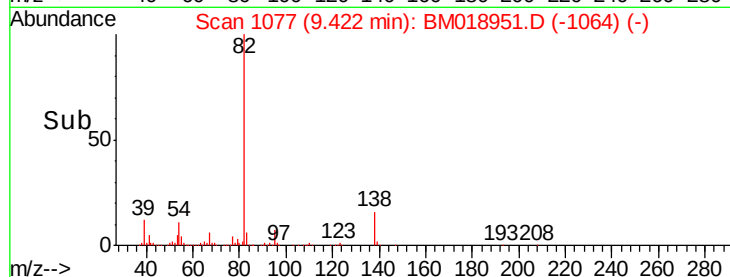
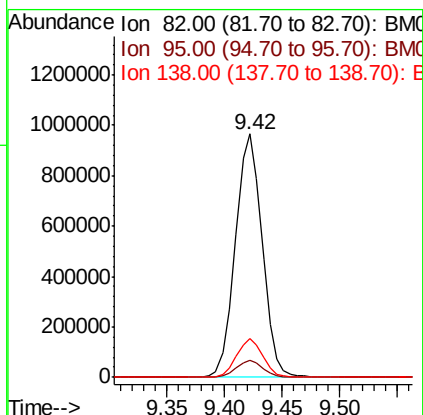
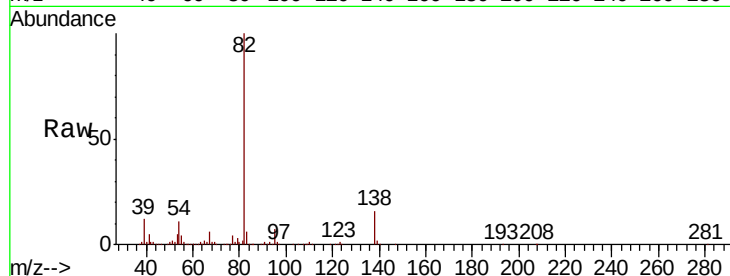




#25  
Isophorone  
Concen: 46.881 ng  
RT: 9.42 min Scan# 1077  
Delta R.T. -0.02 min  
Lab File: BM018951.D  
Acq: 27 Feb 2019 16:08

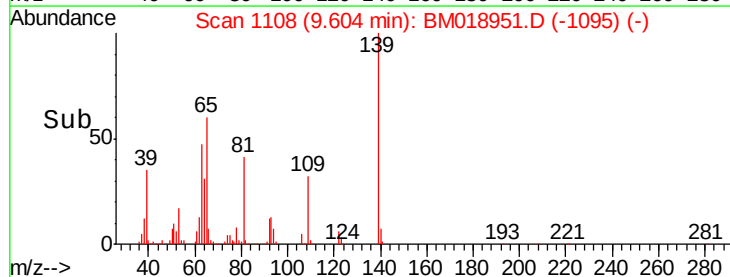
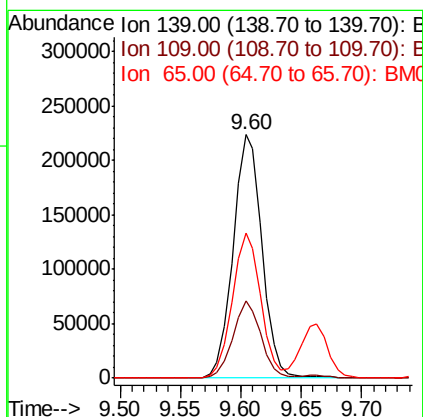
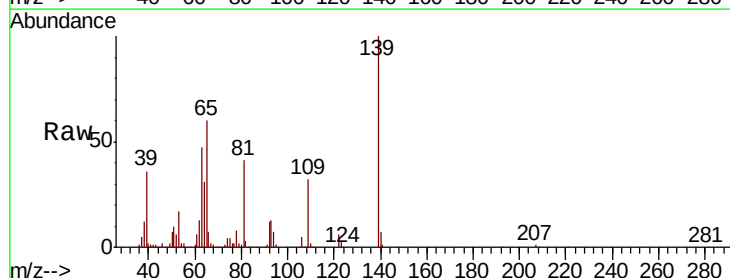
Instrument :  
BNA\_M  
ClientSampleId :  
PB117415BS

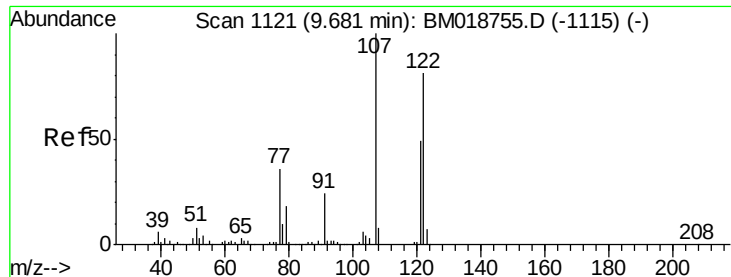
Tgt Ion: 82 Resp: 1552127  
Ion Ratio Lower Upper  
82 100  
95 7.0 5.7 8.5  
138 15.7 12.3 18.5



#26  
2-Nitrophenol  
Concen: 43.524 ng  
RT: 9.60 min Scan# 1108  
Delta R.T. -0.02 min  
Lab File: BM018951.D  
Acq: 27 Feb 2019 16:08

Tgt Ion: 139 Resp: 373314  
Ion Ratio Lower Upper  
139 100  
109 31.6 25.2 37.8  
65 59.6 47.0 70.4

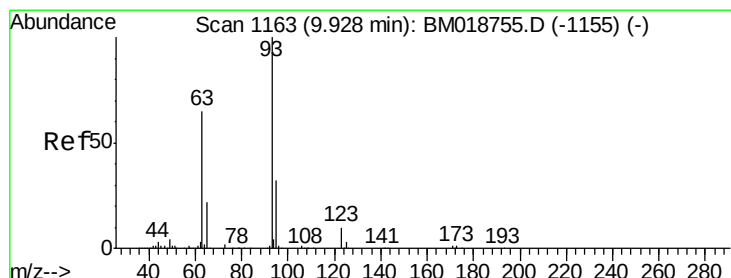
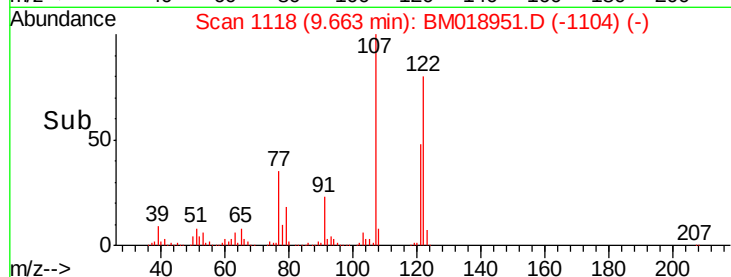
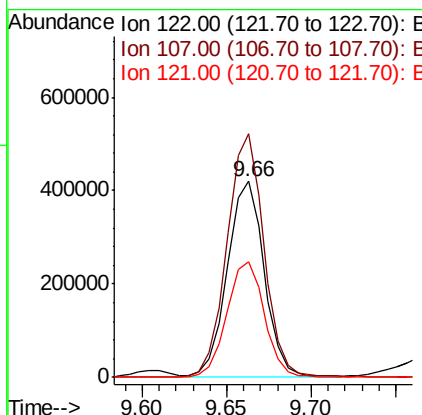
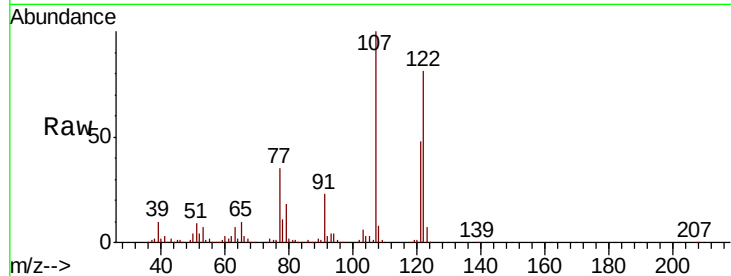




#27  
2,4-Dimethylphenol  
Concen: 50.517 ng  
RT: 9.66 min Scan# 1118  
Delta R.T. -0.02 min  
Lab File: BM018951.D  
Acq: 27 Feb 2019 16:08

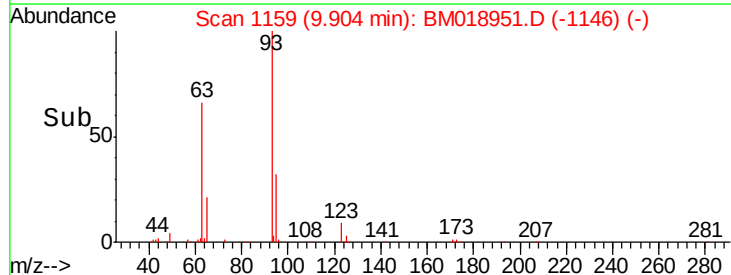
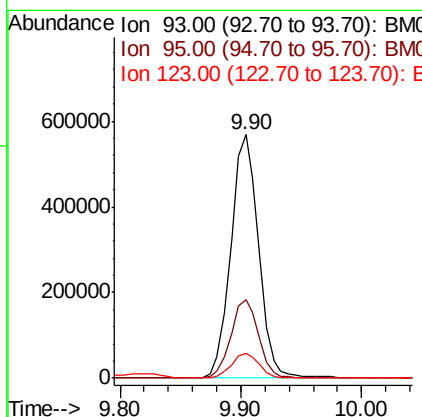
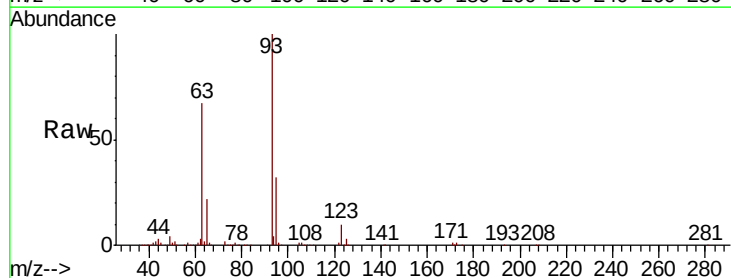
Instrument :  
BNA\_M  
ClientSampleId :  
PB117415BS

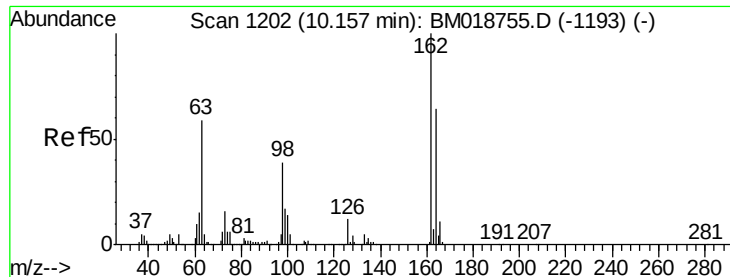
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 124.1 | 97.6  | 146.4 |
| 121     | 59.2  | 47.9  | 71.9  |



#28  
bis(2-Chloroethoxy)methane  
Concen: 42.524 ng  
RT: 9.90 min Scan# 1159  
Delta R.T. -0.02 min  
Lab File: BM018951.D  
Acq: 27 Feb 2019 16:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 32.3  | 25.6  | 38.4  |
| 123     | 10.3  | 8.2   | 12.4  |

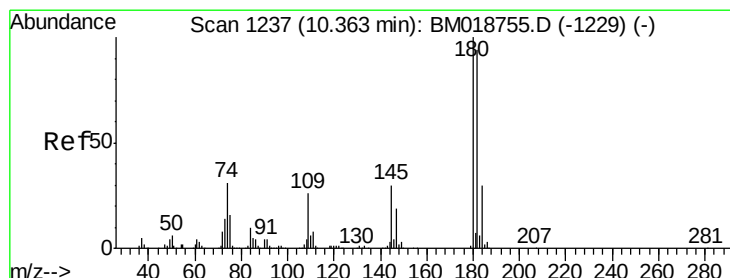
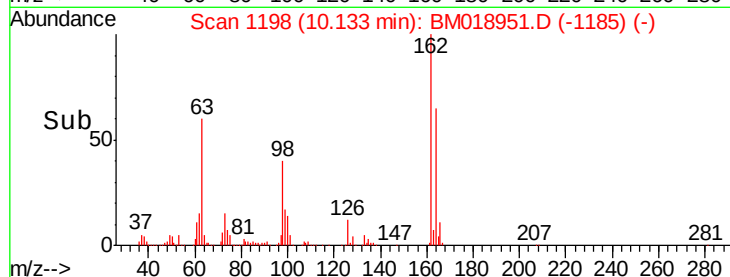
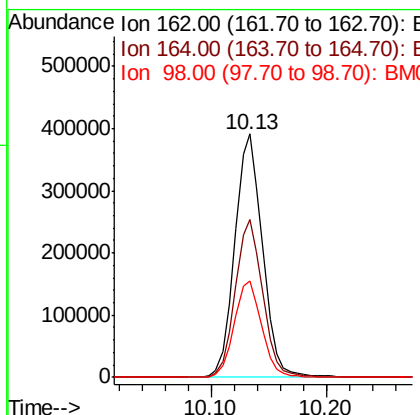
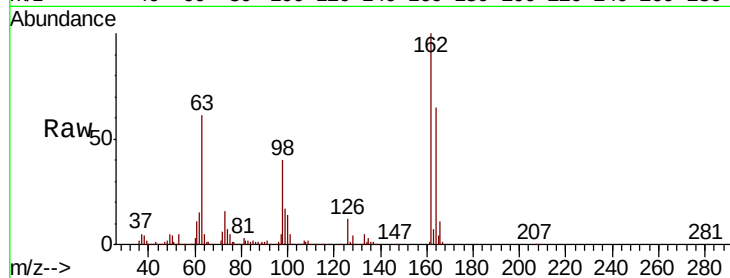




#29  
2,4-Dichlorophenol  
Concen: 45.145 ng  
RT: 10.13 min Scan# 1198  
Delta R.T. -0.02 min  
Lab File: BM018951.D  
Acq: 27 Feb 2019 16:08

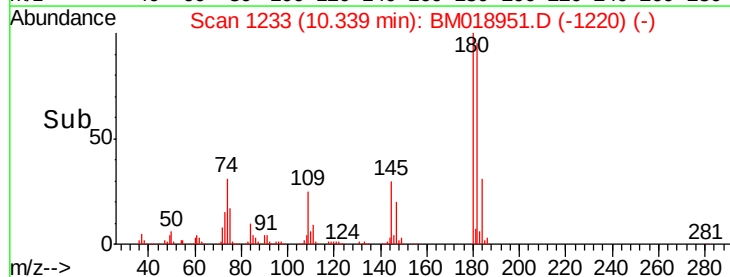
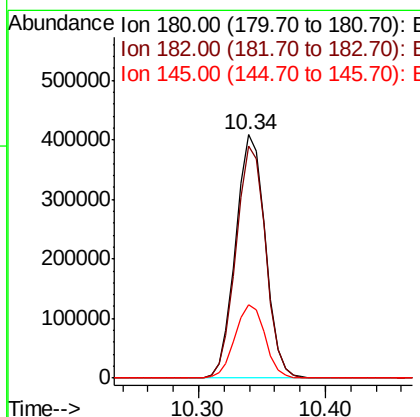
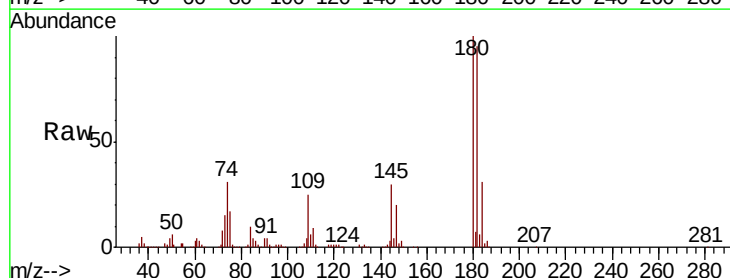
Instrument :  
BNA\_M  
ClientSampleId :  
PB117415BS

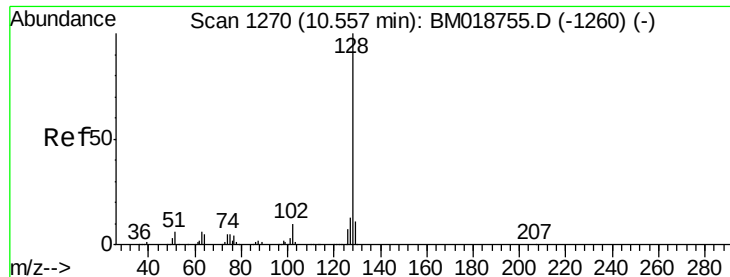
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 64.6  | 44.1  | 84.1  |
| 98      | 39.8  | 19.4  | 59.4  |



#30  
1,2,4-Trichlorobenzene  
Concen: 39.930 ng  
RT: 10.34 min Scan# 1233  
Delta R.T. -0.02 min  
Lab File: BM018951.D  
Acq: 27 Feb 2019 16:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.3  | 75.0  | 112.6 |
| 145     | 30.4  | 24.1  | 36.1  |

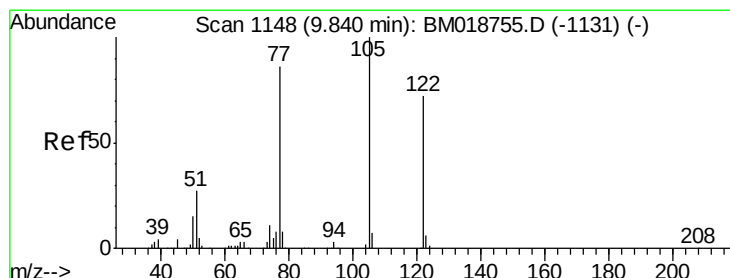
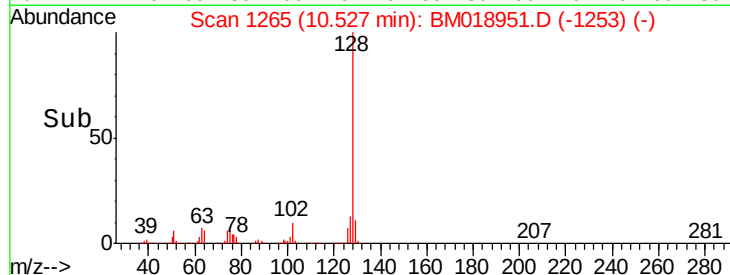
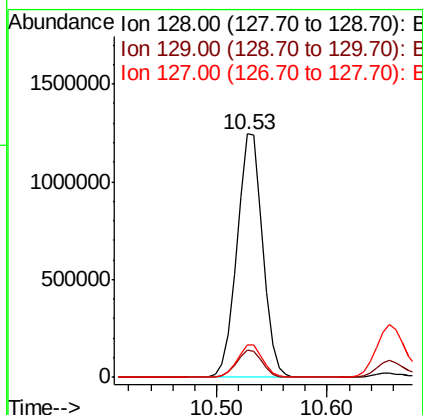
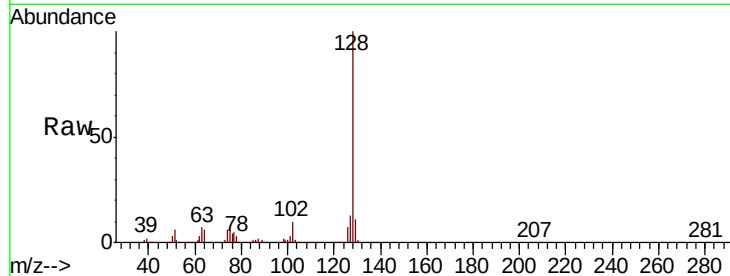




#31  
Naphthalene  
Concen: 43.449 ng  
RT: 10.53 min Scan# 1265  
Delta R.T. -0.03 min  
Lab File: BM018951.D  
Acq: 27 Feb 2019 16:08

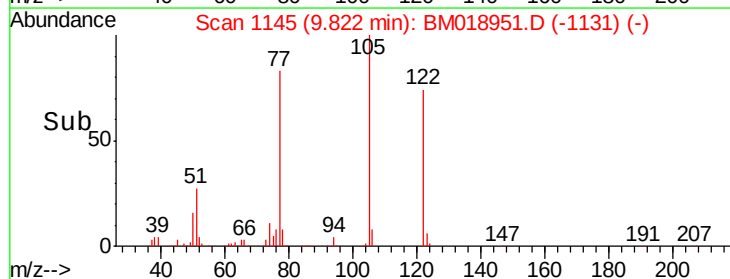
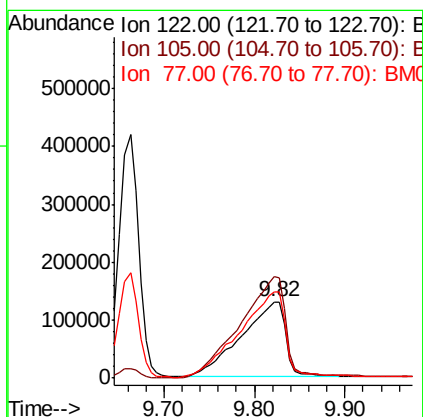
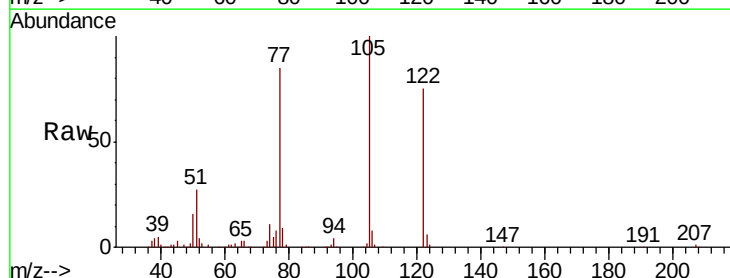
Instrument :  
BNA\_M  
ClientSampleId :  
PB117415BS

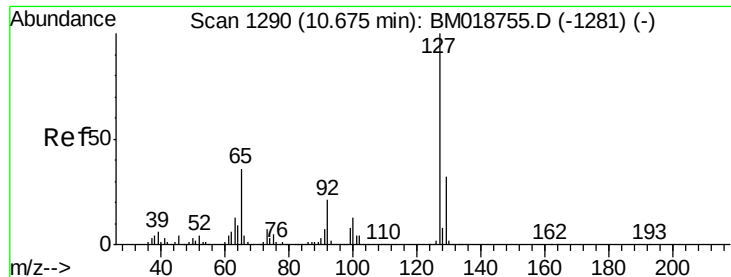
Tgt Ion:128 Resp: 2033060  
Ion Ratio Lower Upper  
128 100  
129 11.2 9.0 13.4  
127 13.2 10.7 16.1



#32  
Benzoic acid  
Concen: 39.455 ng  
RT: 9.82 min Scan# 1145  
Delta R.T. -0.02 min  
Lab File: BM018951.D  
Acq: 27 Feb 2019 16:08

Tgt Ion:122 Resp: 431156  
Ion Ratio Lower Upper  
122 100  
105 133.4 117.5 157.5  
77 113.2 98.5 138.5

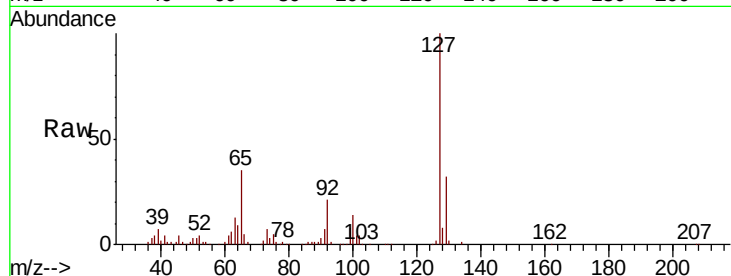




#33  
4-Chloroaniline  
Concen: 24.192 ng  
RT: 10.66 min Scan# 1287  
Delta R.T. -0.02 min  
Lab File: BM018951.D  
Acq: 27 Feb 2019 16:08

Instrument :  
BNA\_M  
ClientSampleId :  
PB117415BS

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 127   | Resp: | 506013 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 32.0  | 25.7  | 38.5   |
| 65       | 35.3  | 28.7  | 43.1   |
| 92       | 21.1  | 17.0  | 25.4   |



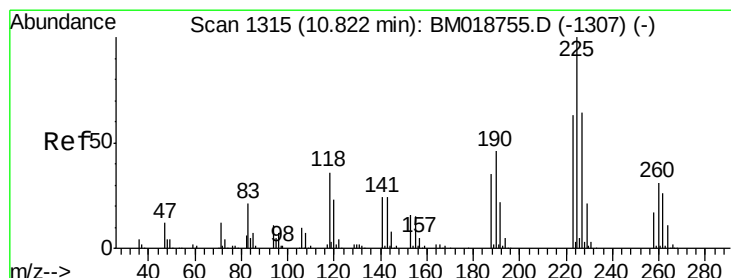
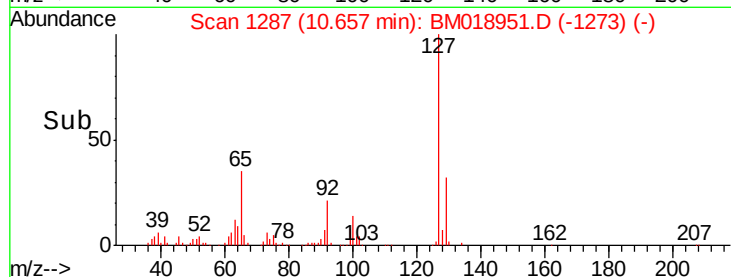
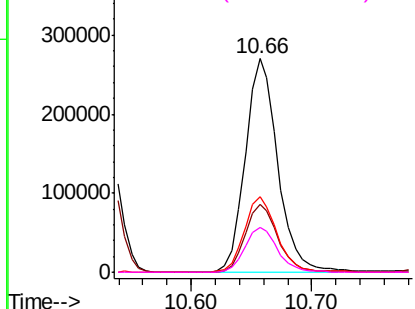
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

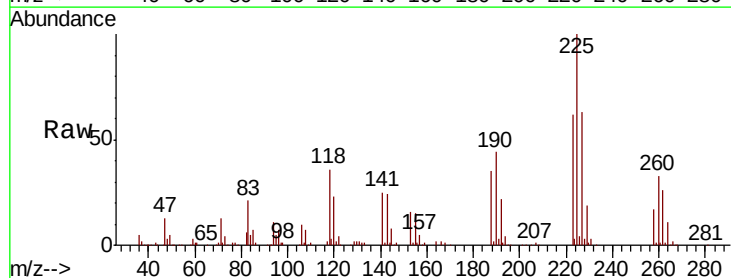
Ion 65.00 (64.70 to 65.70): BM0

Ion 92.00 (91.70 to 92.70): BM0



#34  
Hexachlorobutadiene  
Concen: 36.896 ng  
RT: 10.79 min Scan# 1310  
Delta R.T. -0.03 min  
Lab File: BM018951.D  
Acq: 27 Feb 2019 16:08

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 355759 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 62.0  | 50.1  | 75.1   |
| 227      | 62.8  | 51.4  | 77.0   |

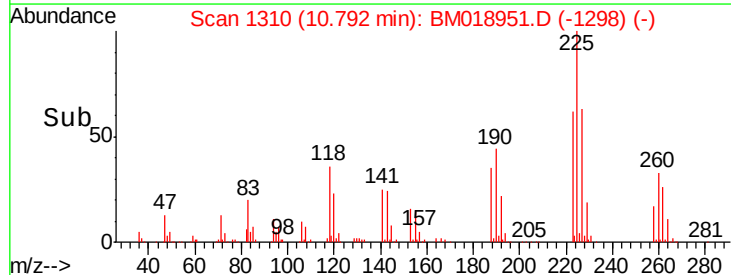
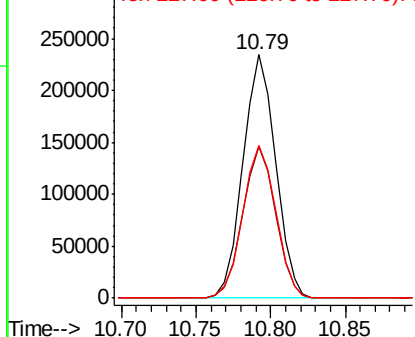


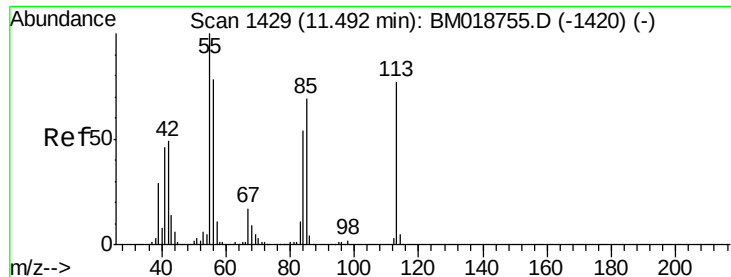
Abundance

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

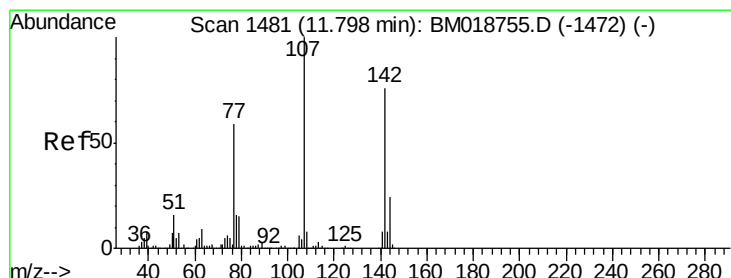
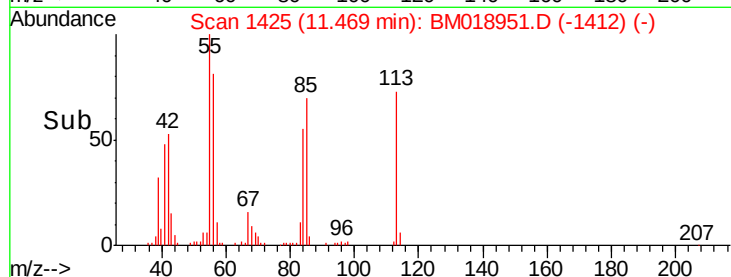
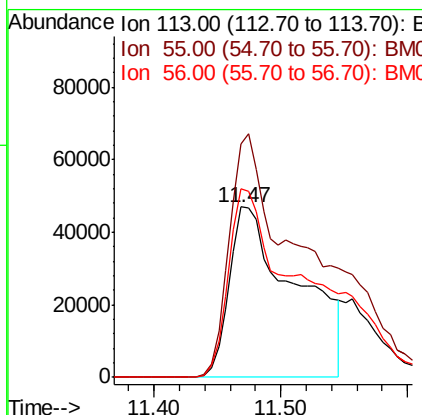
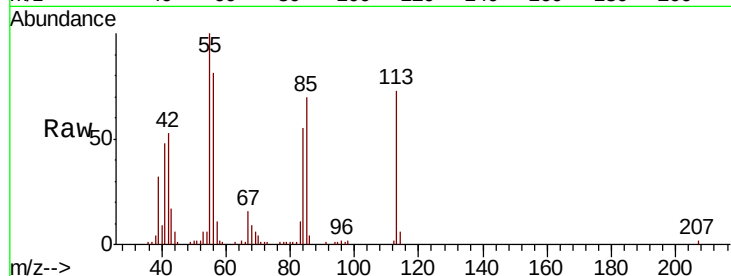




#35  
 Caprolactam  
 Concen: 29.123 ng  
 RT: 11.47 min Scan# 1425  
 Delta R.T. -0.02 min  
 Lab File: BM018951.D  
 Acq: 27 Feb 2019 16:08

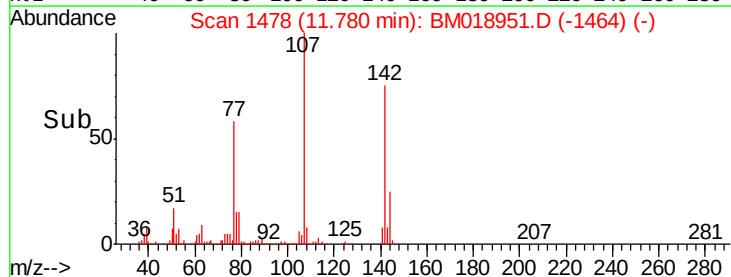
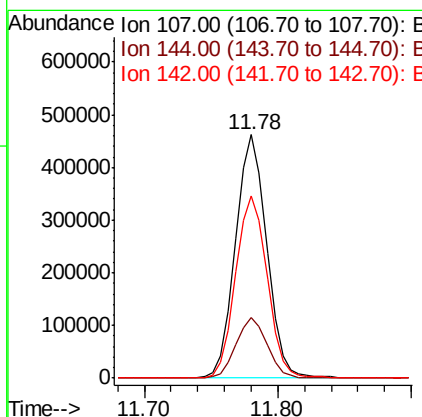
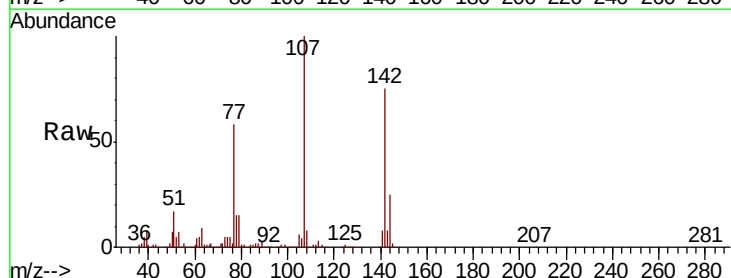
Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB117415BS

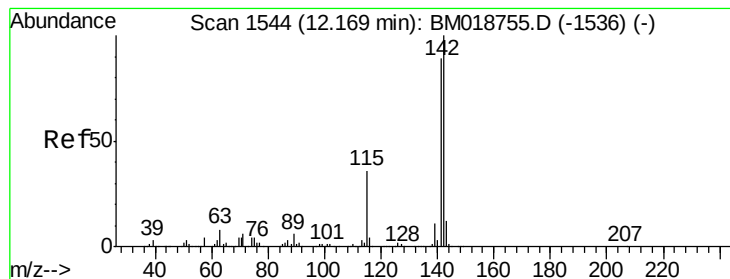
Tgt Ion:113 Resp: 170967  
 Ion Ratio Lower Upper  
 113 100  
 55 136.9 110.7 150.7  
 56 110.6 82.4 122.4



#36  
 4-Chloro-3-methylphenol  
 Concen: 43.373 ng  
 RT: 11.78 min Scan# 1478  
 Delta R.T. -0.02 min  
 Lab File: BM018951.D  
 Acq: 27 Feb 2019 16:08

Tgt Ion:107 Resp: 752222  
 Ion Ratio Lower Upper  
 107 100  
 144 24.9 19.3 28.9  
 142 75.0 60.5 90.7





#37

2-Methylnaphthalene

Concen: 46.045 ng

RT: 12.15 min Scan# 1540

Delta R.T. -0.02 min

Lab File: BM018951.D

Acq: 27 Feb 2019 16:08

Instrument :

BNA\_M

ClientSampleId :

PB117415BS

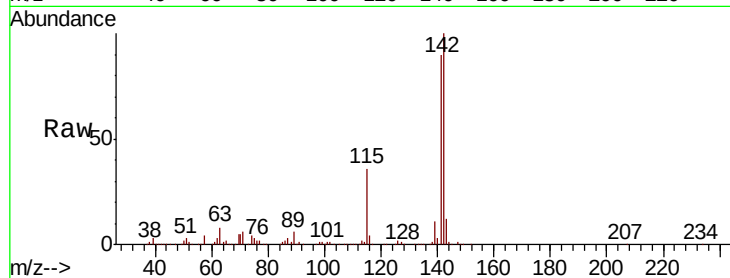
Tgt Ion:142 Resp: 1516915

Ion Ratio Lower Upper

142 100

141 90.2 71.2 106.8

115 36.0 29.1 43.7

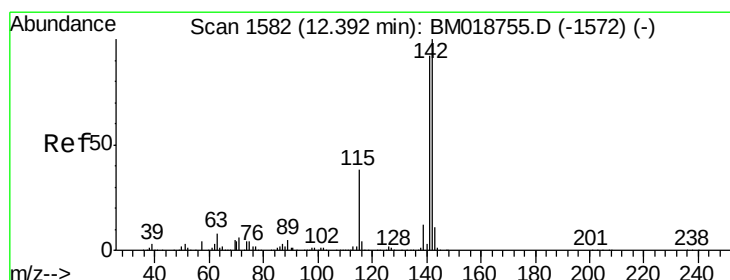
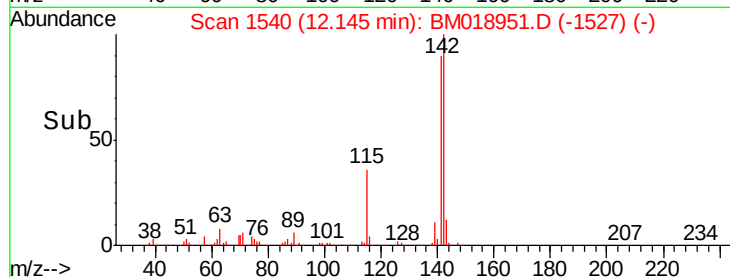
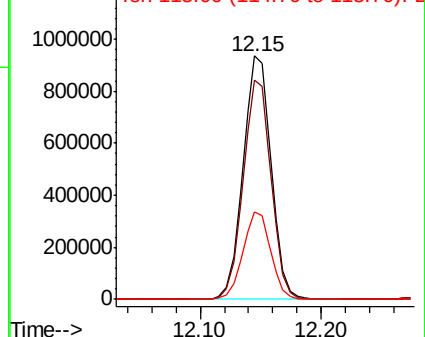


Abundance

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: 44.812 ng

RT: 12.37 min Scan# 1578

Delta R.T. -0.02 min

Lab File: BM018951.D

Acq: 27 Feb 2019 16:08

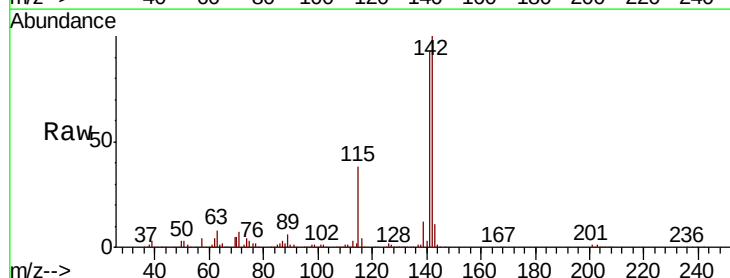
Tgt Ion:142 Resp: 1443644

Ion Ratio Lower Upper

142 100

141 92.9 73.9 110.9

116 4.1 3.0 4.4

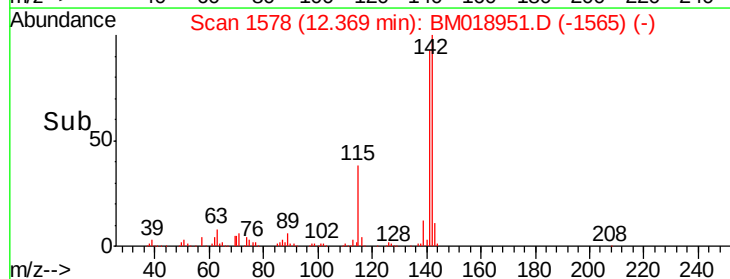
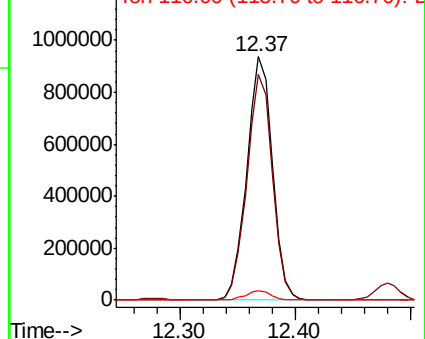


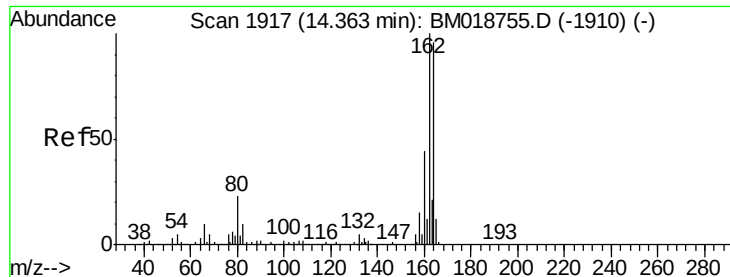
Abundance

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: 14.34 min Scan# 1914

Delta R.T. -0.02 min

Lab File: BM018951.D

Acq: 27 Feb 2019 16:08

Instrument :

BNA\_M

ClientSampleId :

PB117415BS

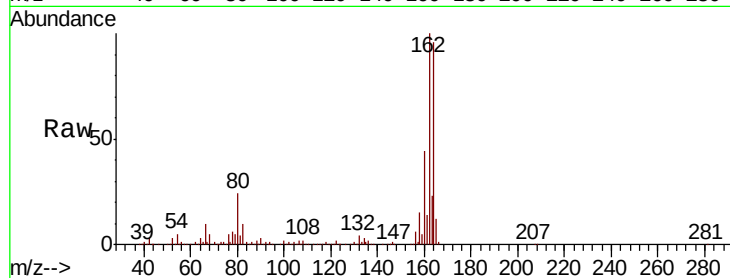
Tgt Ion:164 Resp: 555785

Ion Ratio Lower Upper

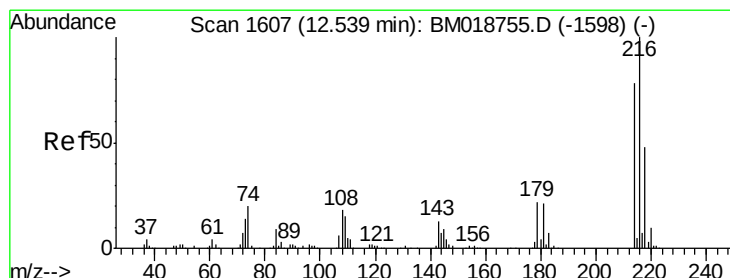
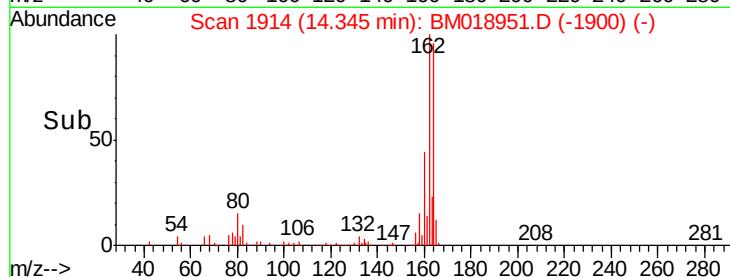
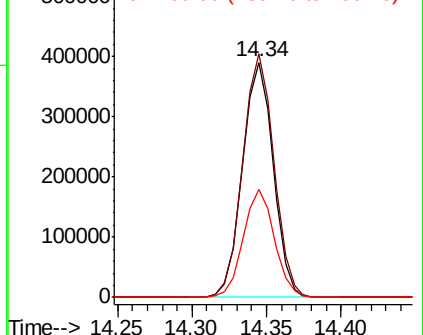
164 100

162 103.7 83.4 125.0

160 45.9 36.6 55.0



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: 40.031 ng

RT: 12.52 min Scan# 1603

Delta R.T. -0.02 min

Lab File: BM018951.D

Acq: 27 Feb 2019 16:08

Tgt Ion:216 Resp: 711720

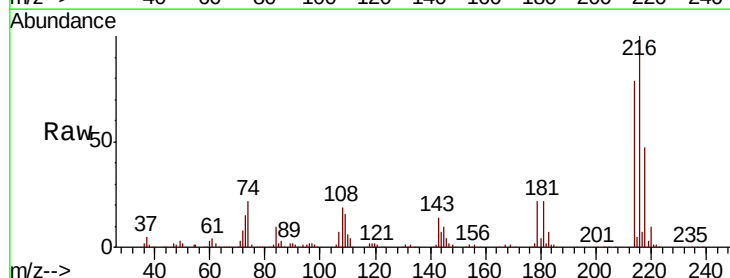
Ion Ratio Lower Upper

216 100

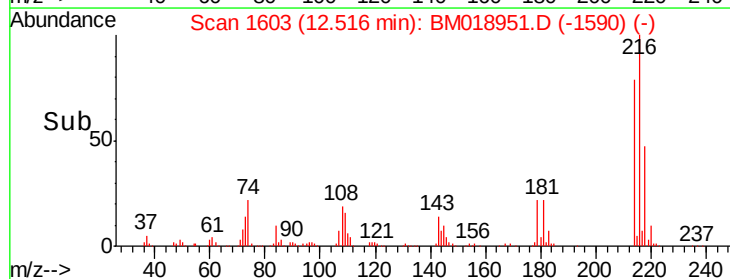
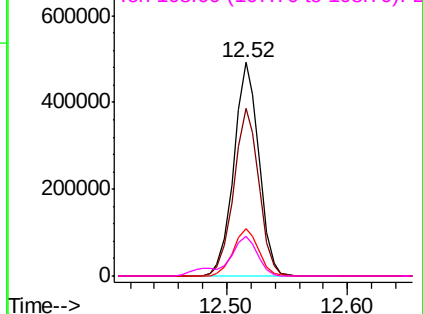
214 78.8 63.2 94.8

179 22.4 17.8 26.8

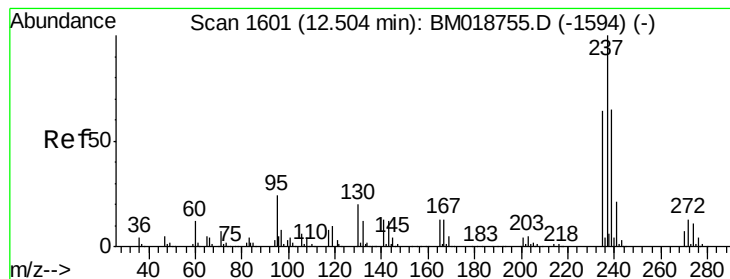
108 22.6 16.4 24.6



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: 82.101 ng

RT: 12.48 min Scan# 1597

Delta R.T. -0.02 min

Lab File: BM018951.D

Acq: 27 Feb 2019 16:08

Instrument :

BNA\_M

ClientSampleId :

PB117415BS

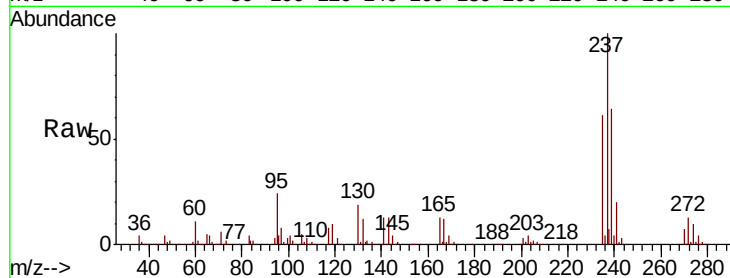
Tgt Ion: 237 Resp: 746290

Ion Ratio Lower Upper

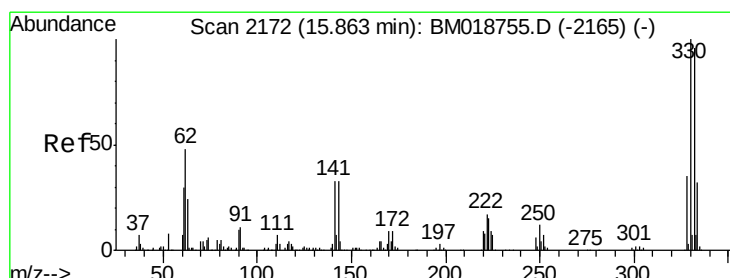
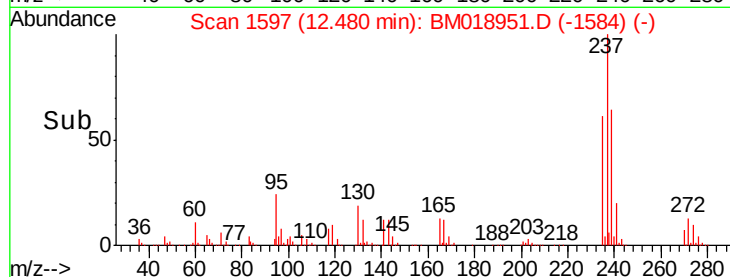
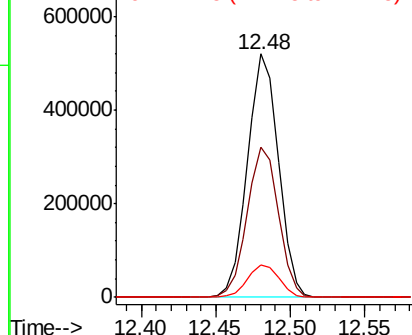
237 100

235 61.5 43.7 83.7

272 13.3 0.0 33.3



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: 143.280 ng

RT: 15.84 min Scan# 2169

Delta R.T. -0.02 min

Lab File: BM018951.D

Acq: 27 Feb 2019 16:08

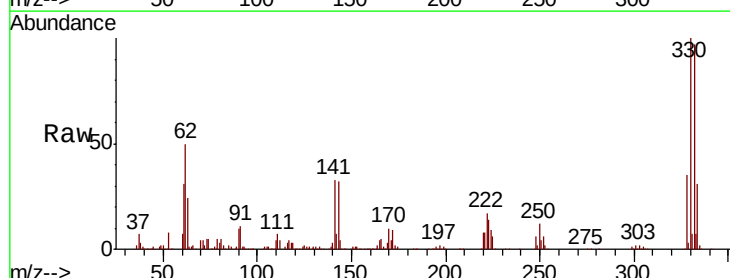
Tgt Ion: 330 Resp: 1147889

Ion Ratio Lower Upper

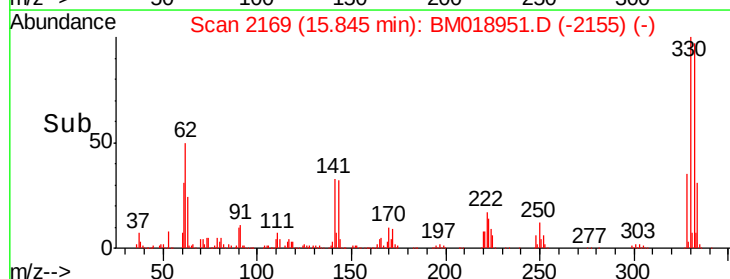
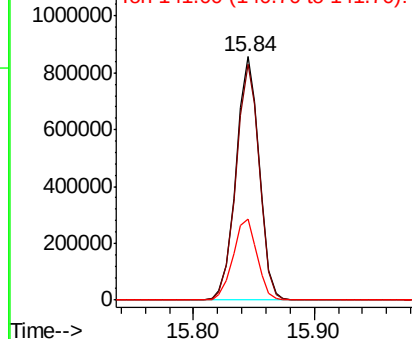
330 100

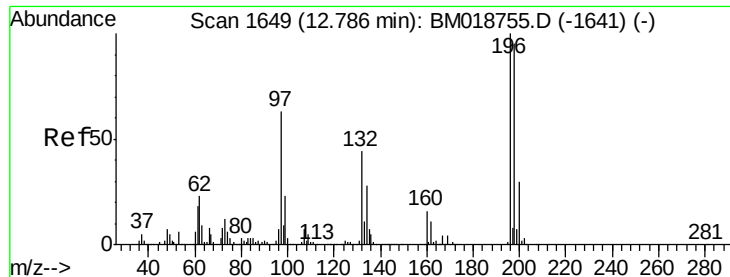
332 97.1 76.9 115.3

141 34.5 28.7 43.1



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

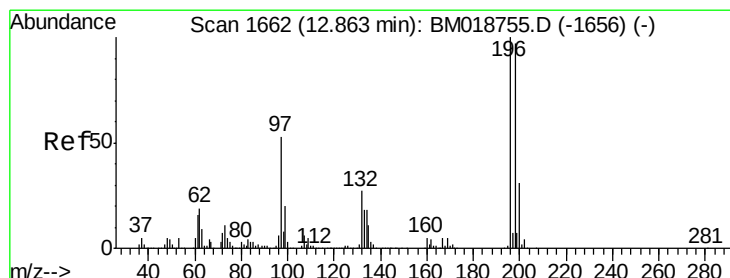
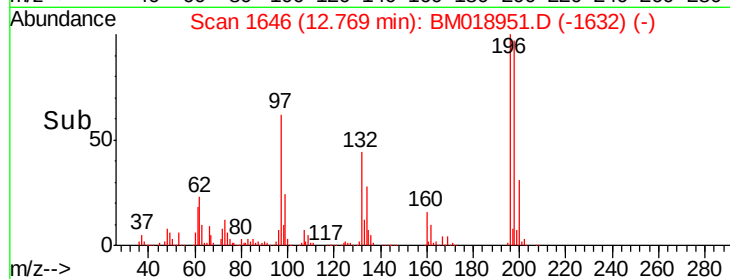
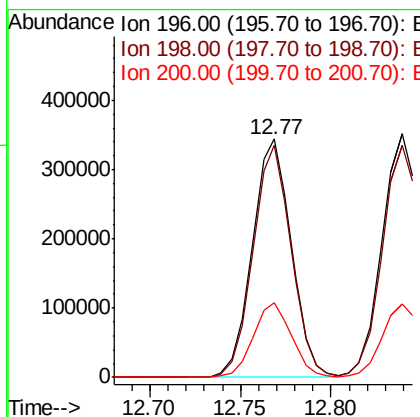
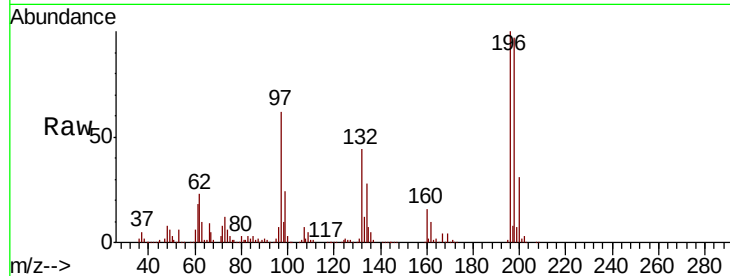




#43  
 2,4,6-Trichlorophenol  
 Concen: 43.655 ng  
 RT: 12.77 min Scan# 1646  
 Delta R.T. -0.02 min  
 Lab File: BM018951.D  
 Acq: 27 Feb 2019 16:08

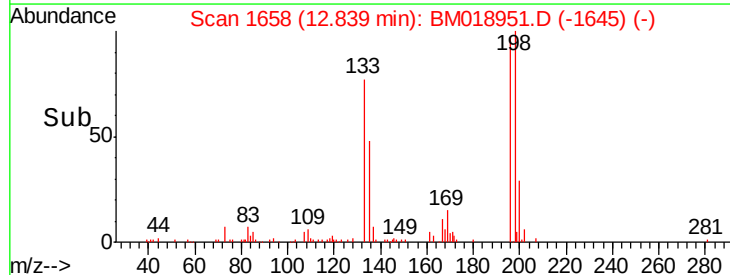
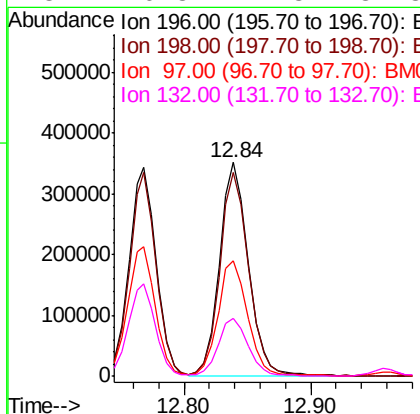
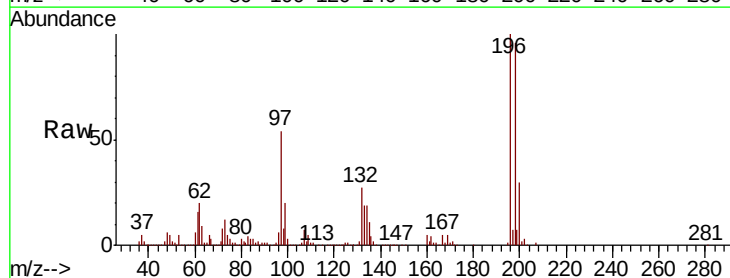
Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB117415BS

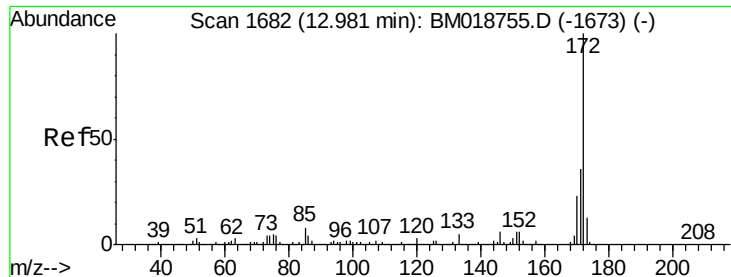
Tgt Ion:196 Resp: 513809  
 Ion Ratio Lower Upper  
 196 100  
 198 97.1 76.2 114.2  
 200 31.2 24.2 36.2



#44  
 2,4,5-Trichlorophenol  
 Concen: 44.401 ng  
 RT: 12.84 min Scan# 1658  
 Delta R.T. -0.02 min  
 Lab File: BM018951.D  
 Acq: 27 Feb 2019 16:08

Tgt Ion:196 Resp: 547743  
 Ion Ratio Lower Upper  
 196 100  
 198 95.6 77.6 116.4  
 97 54.2 42.8 64.2  
 132 26.8 21.8 32.8

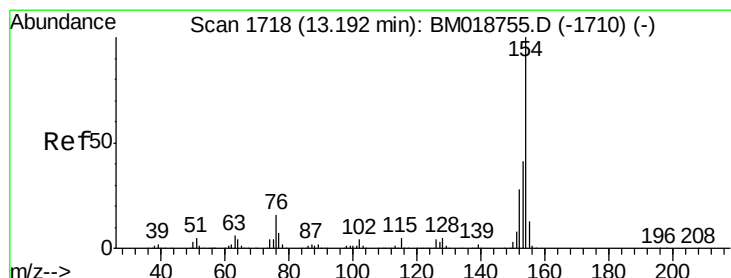
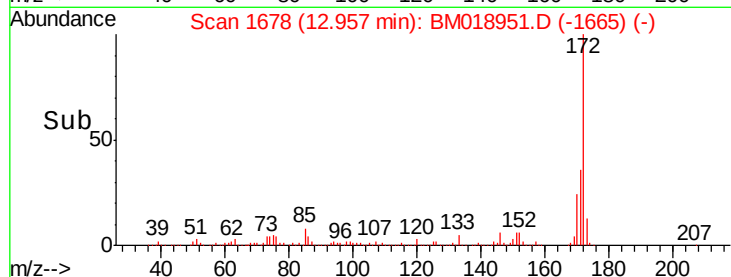
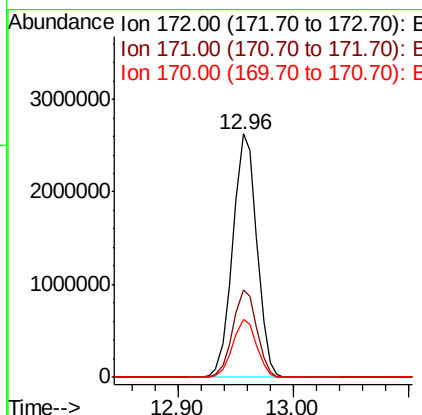
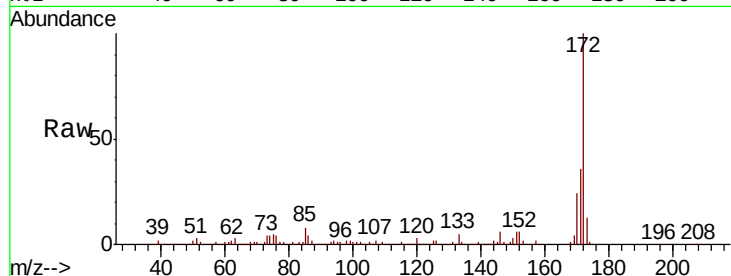




#45  
2-Fluorobiphenyl  
Concen: 90.693 ng  
RT: 12.96 min Scan# 1678  
Delta R.T. -0.02 min  
Lab File: BM018951.D  
Acq: 27 Feb 2019 16:08

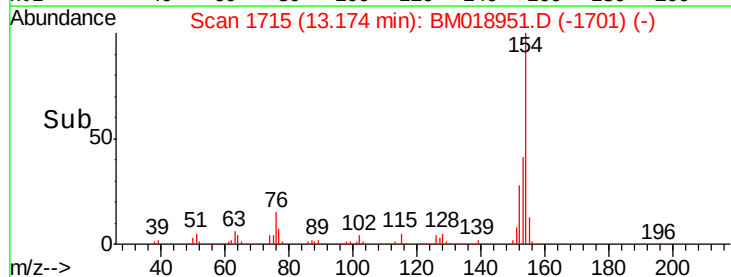
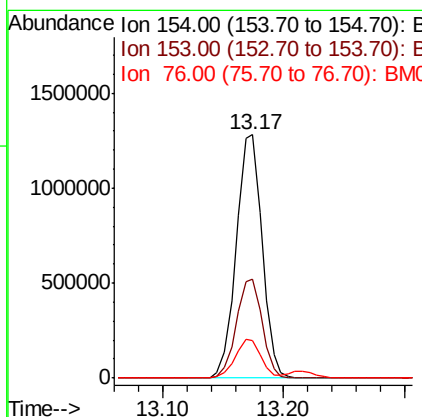
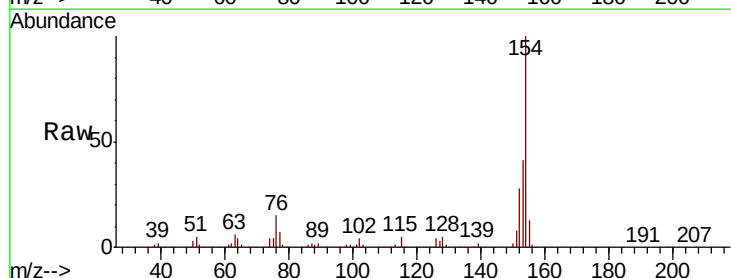
Instrument :  
BNA\_M  
ClientSampleId :  
PB117415BS

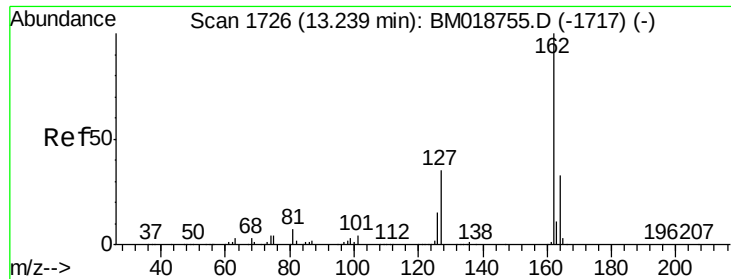
Tgt Ion:172 Resp: 3797127  
Ion Ratio Lower Upper  
172 100  
171 35.9 29.0 43.6  
170 23.7 18.6 28.0



#46  
1,1'-Biphenyl  
Concen: 40.052 ng  
RT: 13.17 min Scan# 1715  
Delta R.T. -0.02 min  
Lab File: BM018951.D  
Acq: 27 Feb 2019 16:08

Tgt Ion:154 Resp: 1916119  
Ion Ratio Lower Upper  
154 100  
153 40.7 21.1 61.1  
76 15.5 0.0 35.7

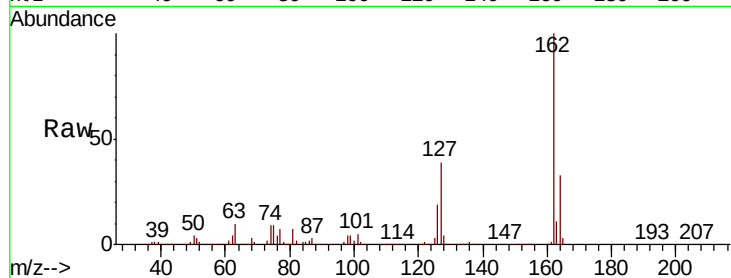




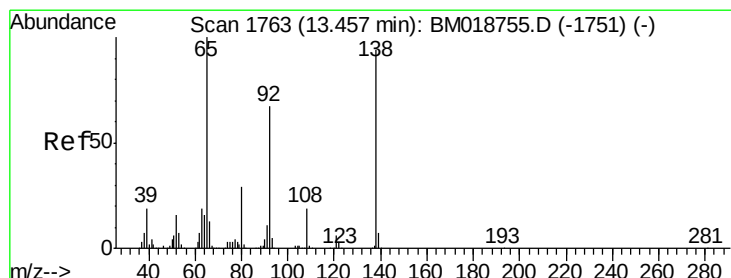
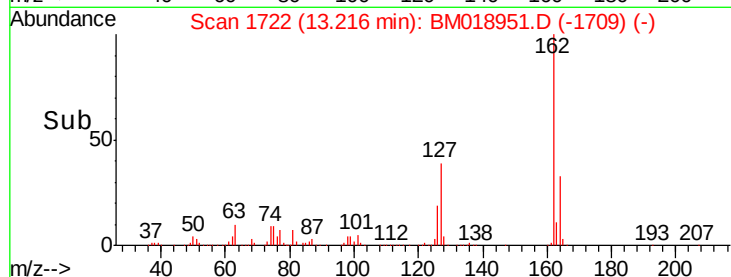
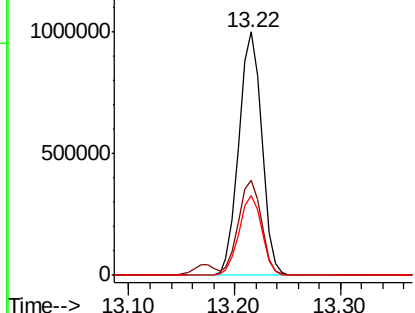
#47  
 2-Chloronaphthalene  
 Concen: 40.540 ng  
 RT: 13.22 min Scan# 1722  
 Delta R.T. -0.02 min  
 Lab File: BM018951.D  
 Acq: 27 Feb 2019 16:08

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB117415BS

Tgt Ion: 162 Resp: 1498020  
 Ion Ratio Lower Upper  
 162 100  
 127 39.3 31.1 46.7  
 164 32.7 26.4 39.6

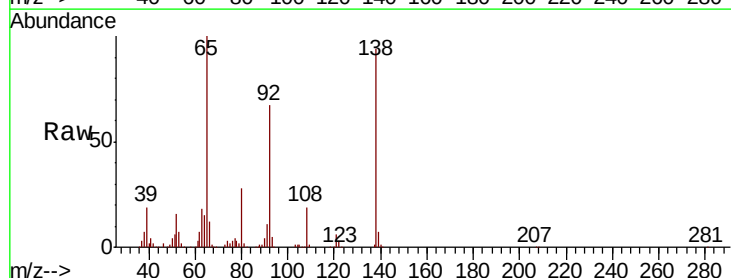


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 127.00 (126.70 to 127.70): E  
 Ion 164.00 (163.70 to 164.70): E

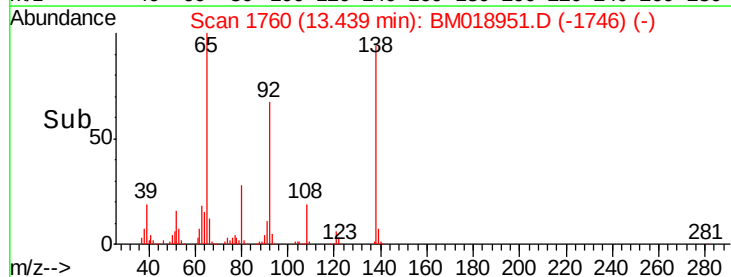
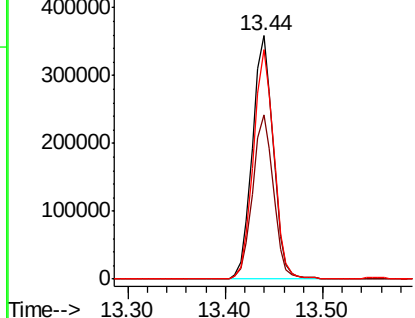


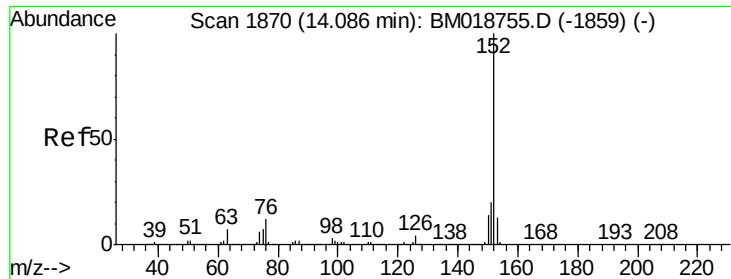
#48  
 2-Nitroaniline  
 Concen: 43.961 ng  
 RT: 13.44 min Scan# 1760  
 Delta R.T. -0.02 min  
 Lab File: BM018951.D  
 Acq: 27 Feb 2019 16:08

Tgt Ion: 65 Resp: 539505  
 Ion Ratio Lower Upper  
 65 100  
 92 67.3 54.0 81.0  
 138 94.3 74.9 112.3



Abundance Ion 65.00 (64.70 to 65.70): BM0  
 Ion 92.00 (91.70 to 92.70): BM0  
 Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 44.853 ng

RT: 14.07 min Scan# 1867

Delta R.T. -0.02 min

Lab File: BM018951.D

Acq: 27 Feb 2019 16:08

Instrument :

BNA\_M

ClientSampleId :

PB117415BS

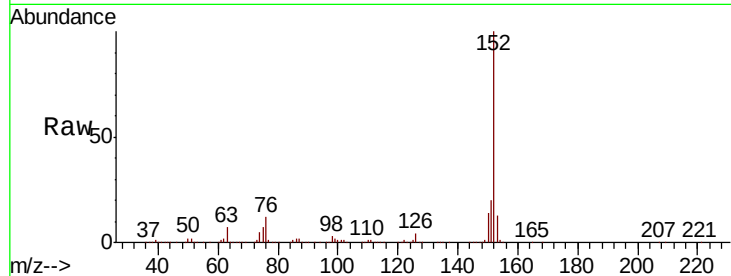
Tgt Ion:152 Resp: 2467864

Ion Ratio Lower Upper

152 100

151 20.5 15.8 23.8

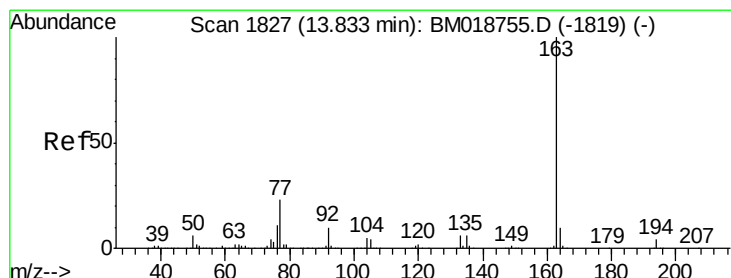
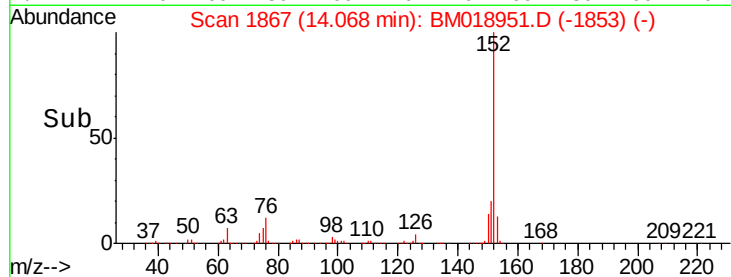
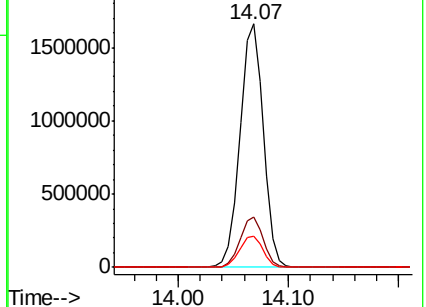
153 13.1 10.5 15.7



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: 40.465 ng

RT: 13.81 min Scan# 1823

Delta R.T. -0.02 min

Lab File: BM018951.D

Acq: 27 Feb 2019 16:08

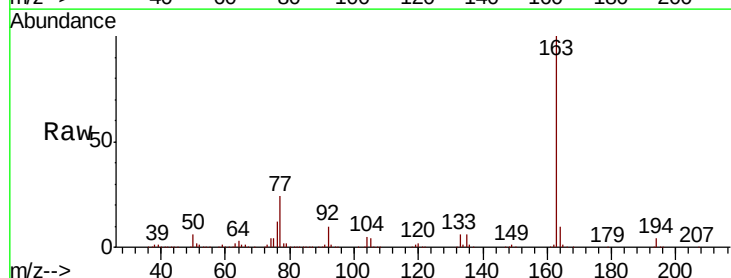
Tgt Ion:163 Resp: 1874287

Ion Ratio Lower Upper

163 100

194 3.9 3.2 4.8

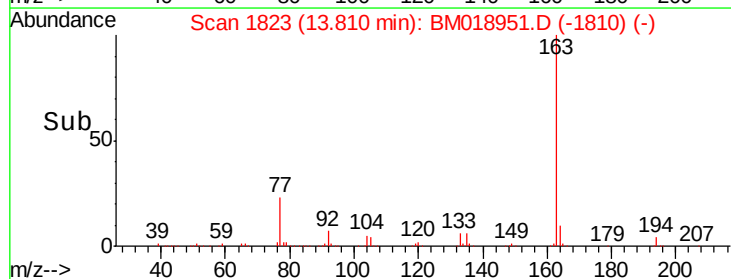
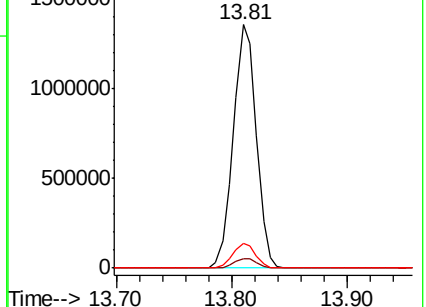
164 10.1 7.8 11.8

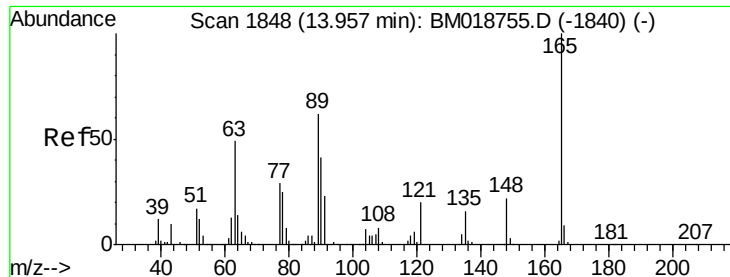


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

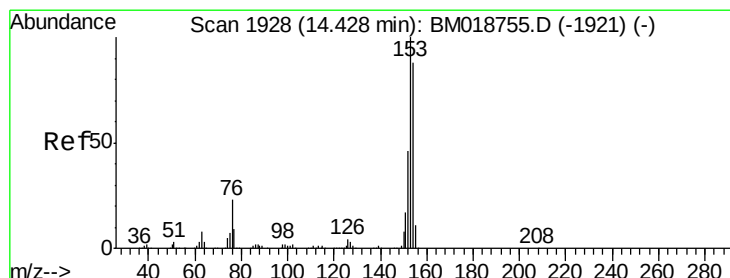
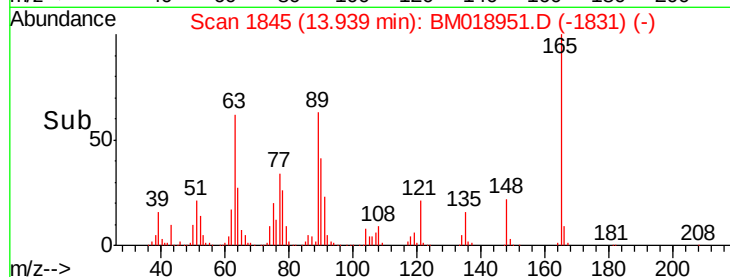
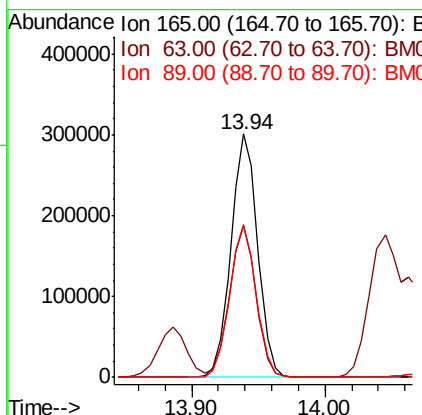
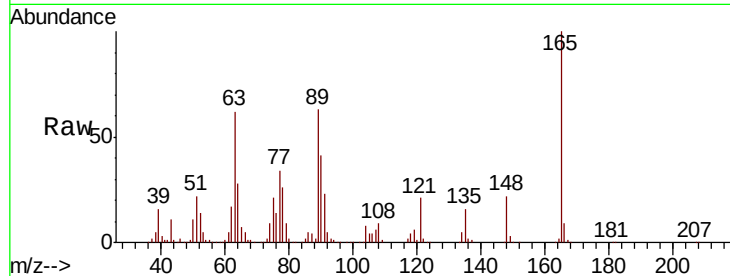




#51  
 2,6-Dinitrotoluene  
 Concen: 41.619 ng  
 RT: 13.94 min Scan# 1845  
 Delta R.T. -0.02 min  
 Lab File: BM018951.D  
 Acq: 27 Feb 2019 16:08

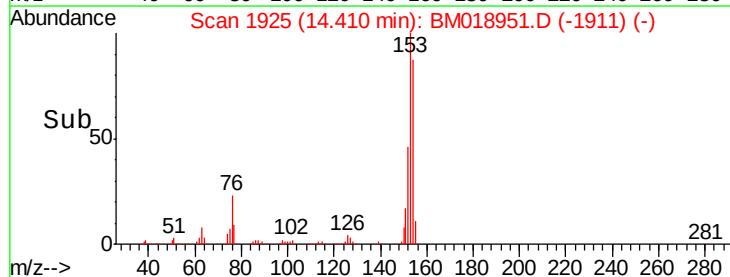
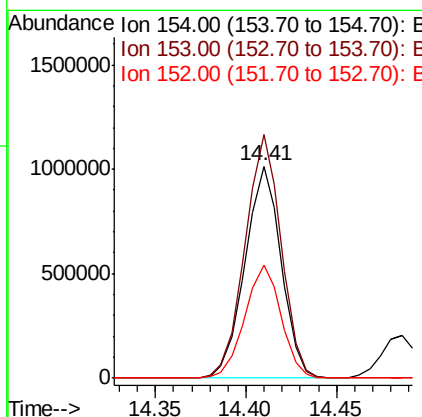
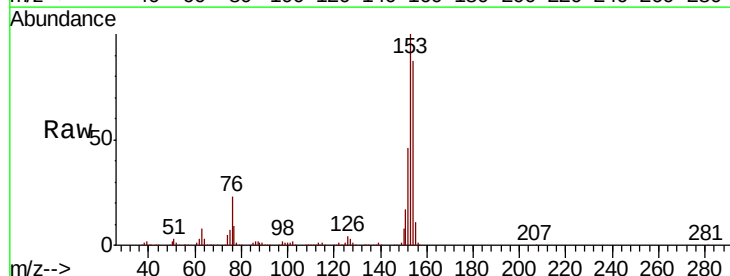
Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB117415BS

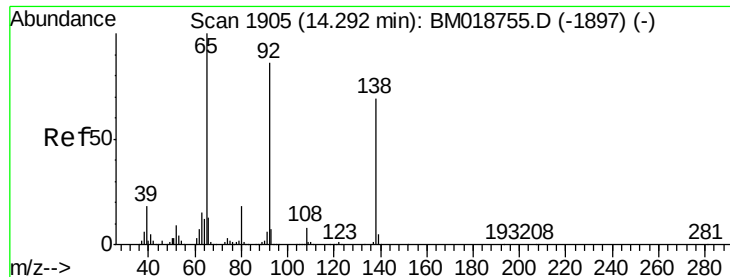
Tgt Ion:165 Resp: 417590  
 Ion Ratio Lower Upper  
 165 100  
 63 62.4 48.9 73.3  
 89 63.0 49.4 74.0



#52  
 Acenaphthene  
 Concen: 41.682 ng  
 RT: 14.41 min Scan# 1925  
 Delta R.T. -0.02 min  
 Lab File: BM018951.D  
 Acq: 27 Feb 2019 16:08

Tgt Ion:154 Resp: 1406269  
 Ion Ratio Lower Upper  
 154 100  
 153 115.0 91.3 136.9  
 152 53.3 42.2 63.4

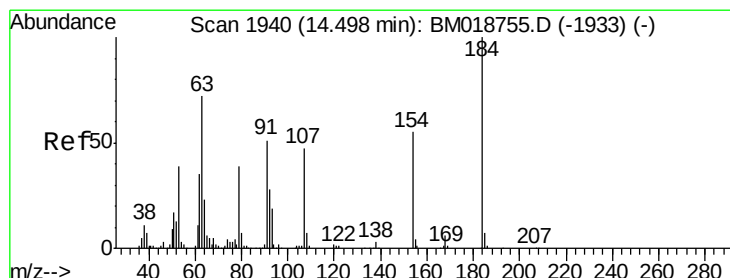
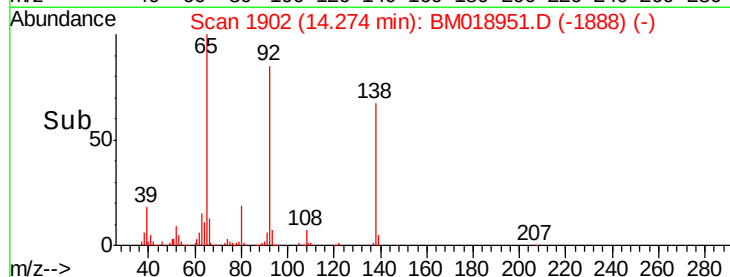
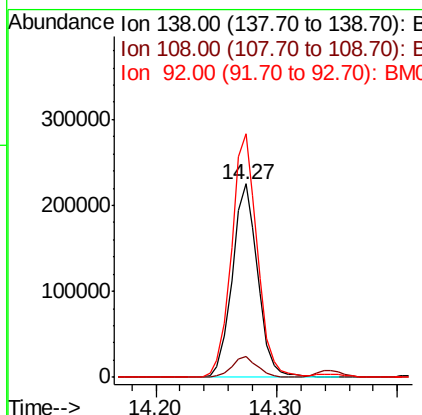
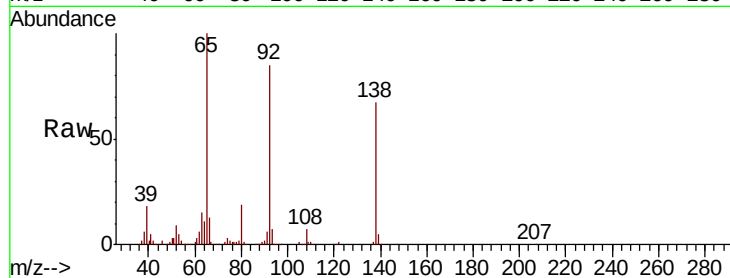




#53  
3-Nitroaniline  
Concen: 29.257 ng  
RT: 14.27 min Scan# 1902  
Delta R.T. -0.02 min  
Lab File: BM018951.D  
Acq: 27 Feb 2019 16:08

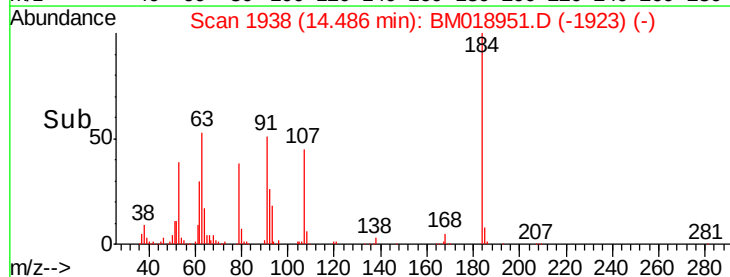
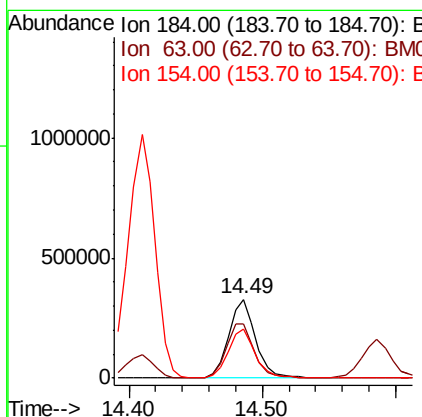
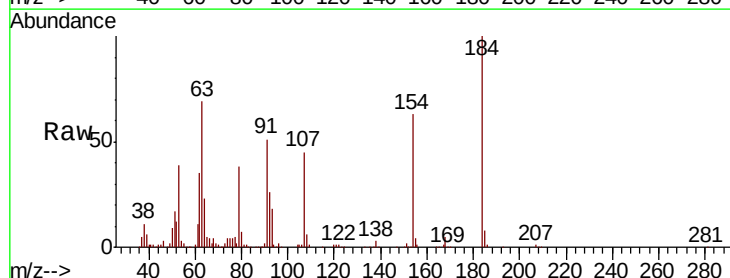
Instrument :  
BNA\_M  
ClientSampleId :  
PB117415BS

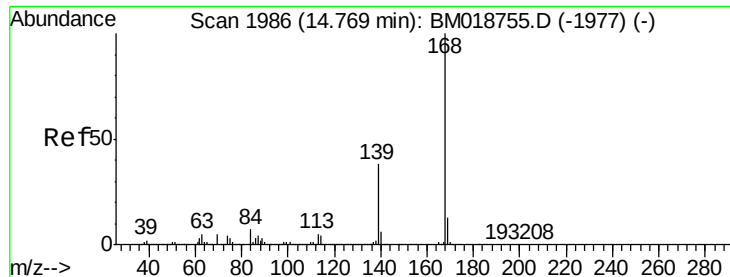
Tgt Ion:138 Resp: 331689  
Ion Ratio Lower Upper  
138 100  
108 10.8 9.1 13.7  
92 125.7 99.7 149.5



#54  
2,4-Dinitrophenol  
Concen: 72.960 ng  
RT: 14.49 min Scan# 1938  
Delta R.T. -0.01 min  
Lab File: BM018951.D  
Acq: 27 Feb 2019 16:08

Tgt Ion:184 Resp: 461035  
Ion Ratio Lower Upper  
184 100  
63 69.4 58.0 87.0  
154 62.7 50.3 75.5





#55

Dibenzenofuran

Concen: 41.257 ng

RT: 14.74 min Scan# 1982

Delta R.T. -0.02 min

Lab File: BM018951.D

Acq: 27 Feb 2019 16:08

Instrument :

BNA\_M

ClientSampleId :

PB117415BS

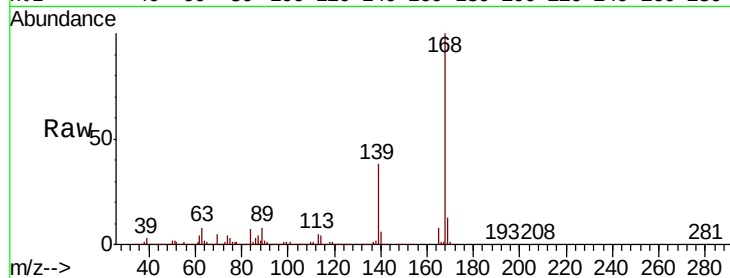
Tgt Ion:168 Resp: 2287842

Ion Ratio Lower Upper

168 100

139 38.1 30.7 46.1

169 13.4 10.3 15.5

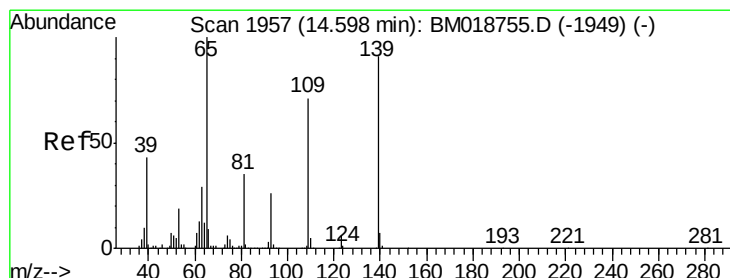
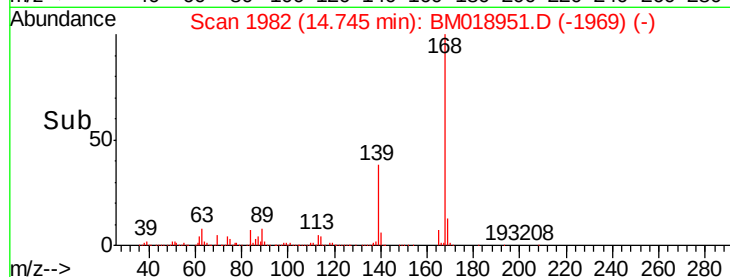
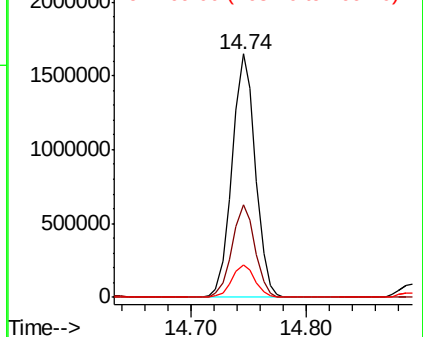


Abundance

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: 84.231 ng

RT: 14.59 min Scan# 1955

Delta R.T. -0.01 min

Lab File: BM018951.D

Acq: 27 Feb 2019 16:08

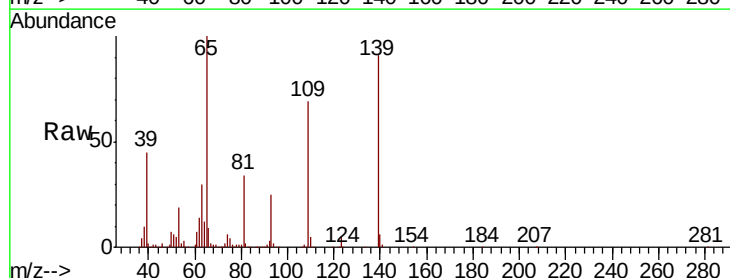
Tgt Ion:139 Resp: 762296

Ion Ratio Lower Upper

139 100

109 76.0 58.4 98.4

65 110.3 89.8 129.8

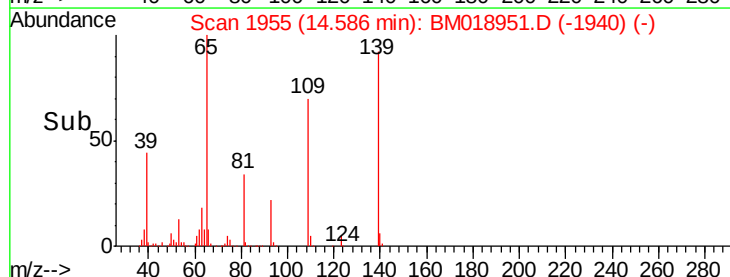
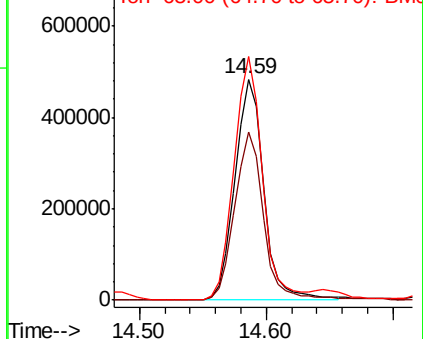


Abundance

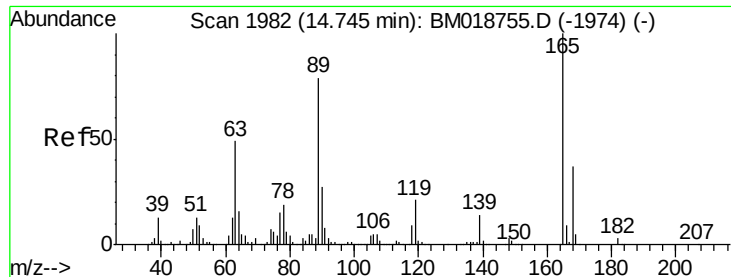
Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): E



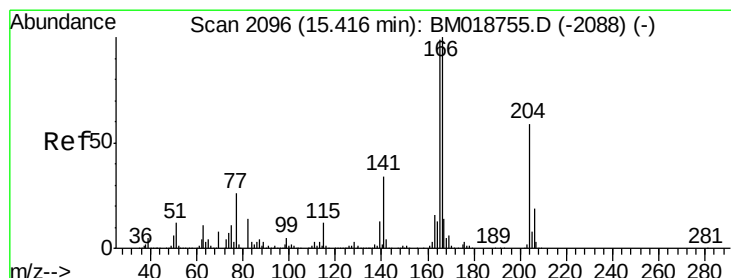
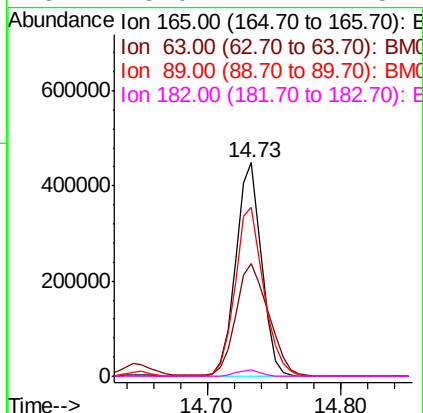
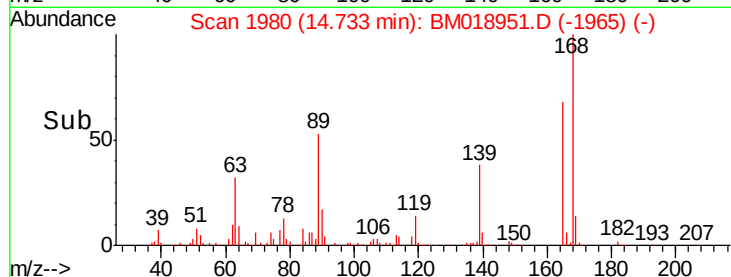
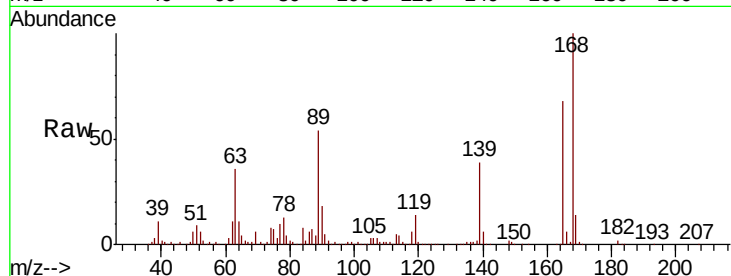




#57  
2,4-Dinitrotoluene  
Concen: 43.458 ng  
RT: 14.73 min Scan# 1980  
Delta R.T. -0.01 min  
Lab File: BM018951.D  
Acq: 27 Feb 2019 16:08

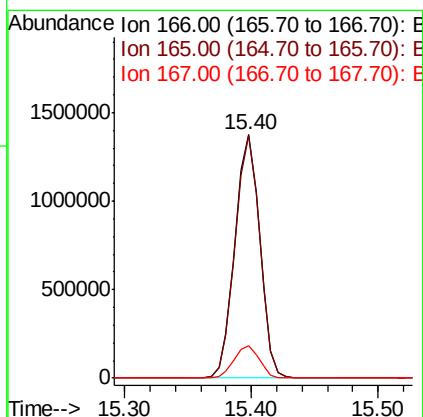
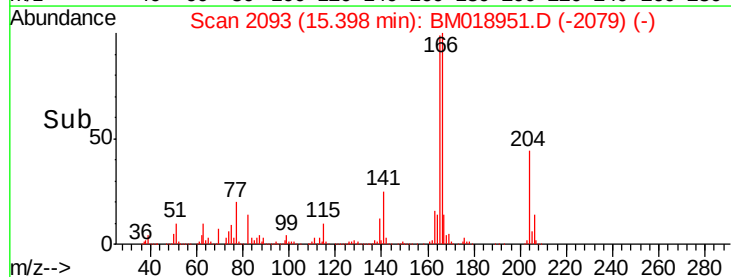
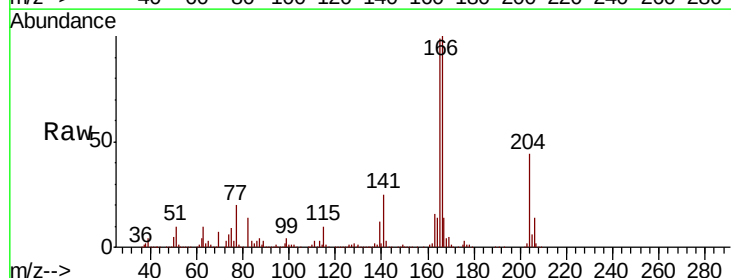
Instrument :  
BNA\_M  
ClientSampleId :  
PB117415BS

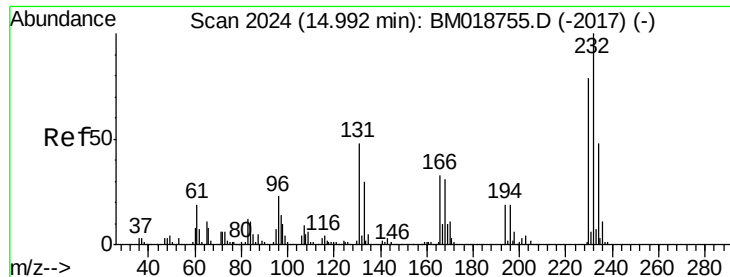
Tgt Ion:165 Resp: 600788  
Ion Ratio Lower Upper  
165 100  
63 53.0 39.6 59.4  
89 79.3 63.5 95.3  
182 3.0 2.2 3.4



#58  
Fluorene  
Concen: 44.064 ng  
RT: 15.40 min Scan# 2093  
Delta R.T. -0.02 min  
Lab File: BM018951.D  
Acq: 27 Feb 2019 16:08

Tgt Ion:166 Resp: 1869342  
Ion Ratio Lower Upper  
166 100  
165 99.4 79.1 118.7  
167 13.5 11.0 16.4

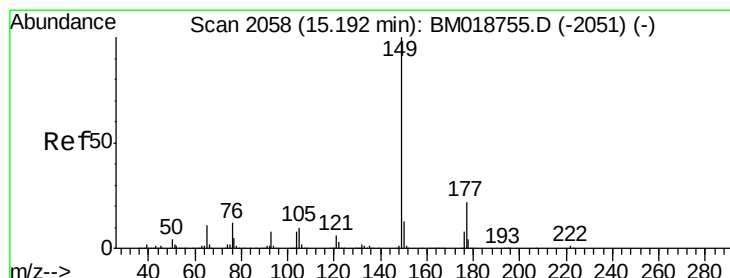
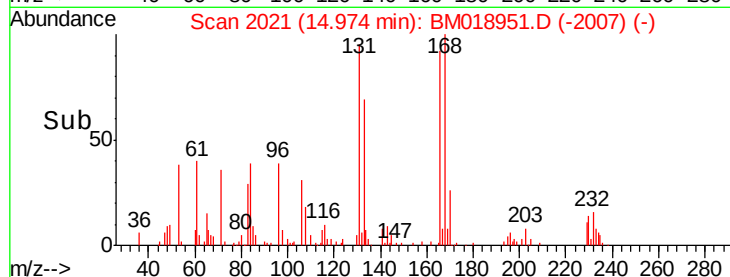
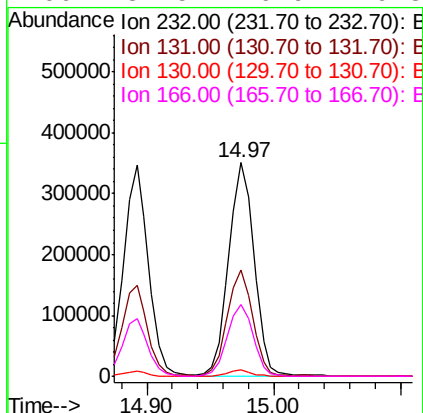
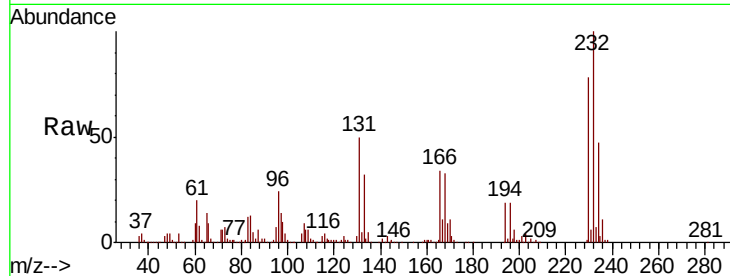




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 44.334 ng  
RT: 14.97 min Scan# 2021  
Delta R.T. -0.02 min  
Lab File: BM018951.D  
Acq: 27 Feb 2019 16:08

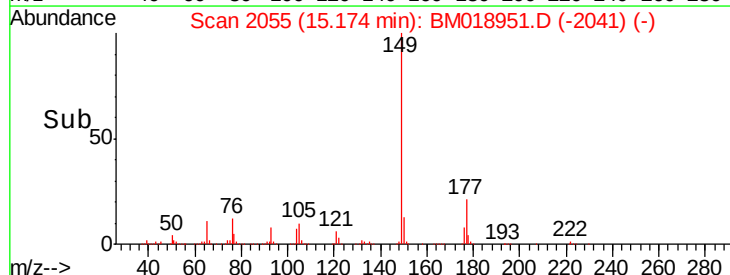
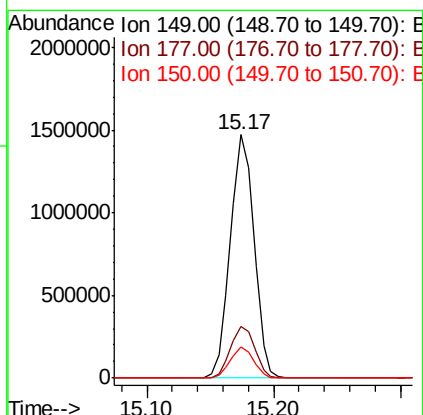
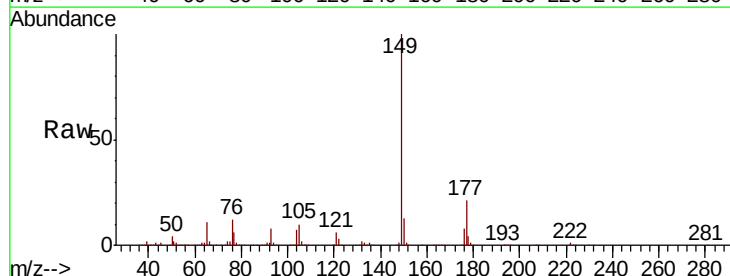
Instrument :  
BNA\_M  
ClientSampleId :  
PB117415BS

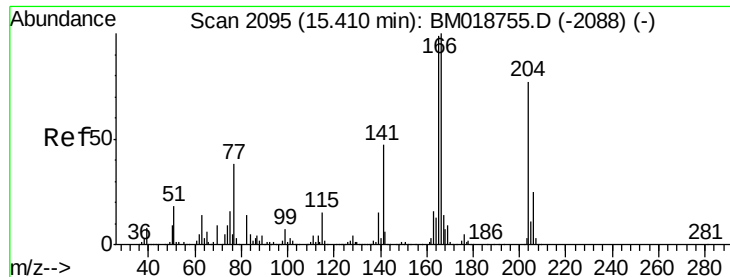
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 232   | Resp: | 483420 |
| Ion      | Ratio | Lower | Upper  |
| 232      | 100   |       |        |
| 131      | 49.5  | 38.6  | 57.8   |
| 130      | 2.7   | 2.0   | 3.0    |
| 166      | 34.5  | 26.9  | 40.3   |



#60  
Diethylphthalate  
Concen: 39.918 ng  
RT: 15.17 min Scan# 2055  
Delta R.T. -0.02 min  
Lab File: BM018951.D  
Acq: 27 Feb 2019 16:08

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 149   | Resp: | 1907279 |
| Ion      | Ratio | Lower | Upper   |
| 149      | 100   |       |         |
| 177      | 21.4  | 17.2  | 25.8    |
| 150      | 12.7  | 10.2  | 15.2    |

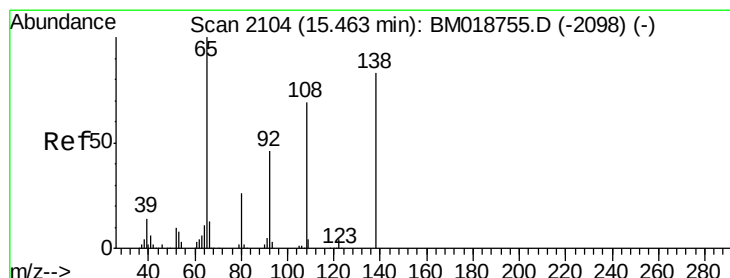
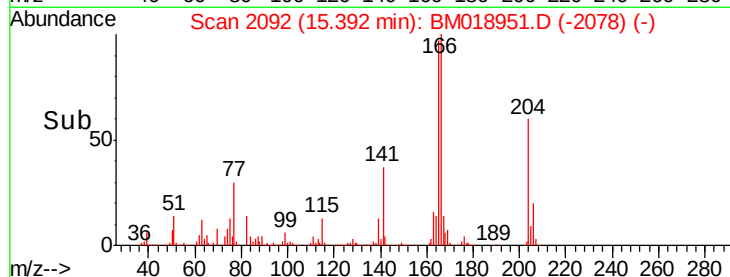
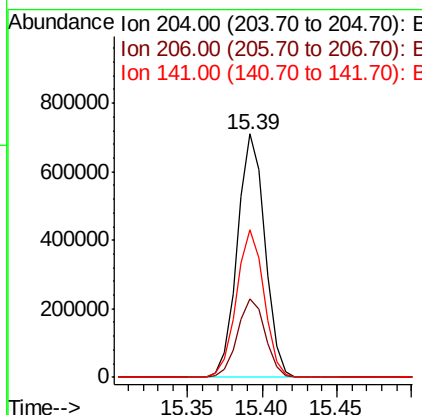
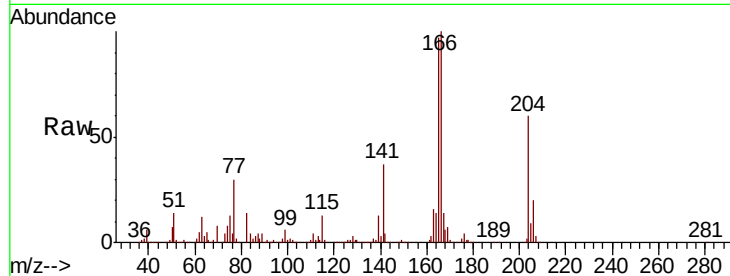




#61  
4-Chlorophenyl-phenylether  
Concen: 38.368 ng  
RT: 15.39 min Scan# 2092  
Delta R.T. -0.02 min  
Lab File: BM018951.D  
Acq: 27 Feb 2019 16:08

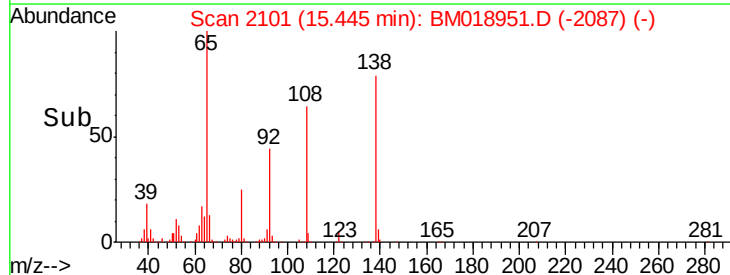
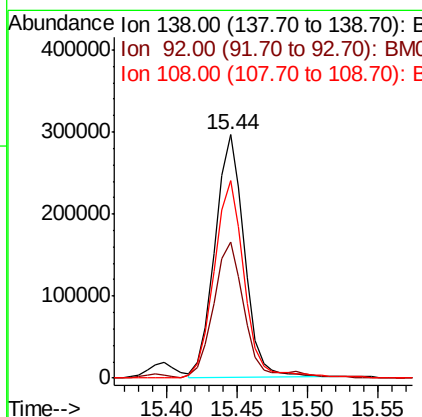
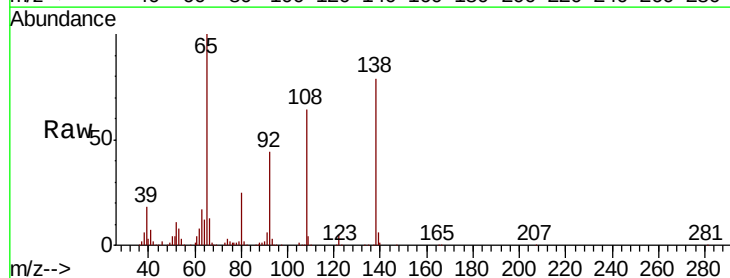
Instrument :  
BNA\_M  
ClientSampleId :  
PB117415BS

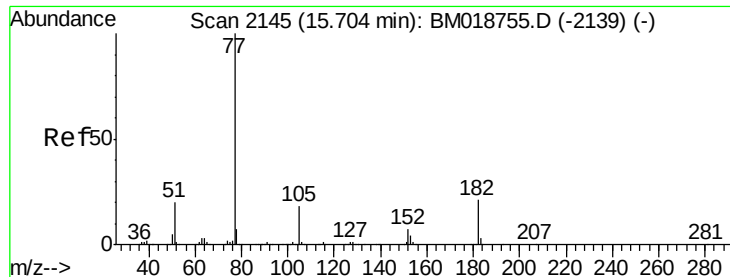
Tgt Ion:204 Resp: 912608  
Ion Ratio Lower Upper  
204 100  
206 32.3 26.2 39.2  
141 60.6 49.2 73.8



#62  
4-Nitroaniline  
Concen: 38.560 ng  
RT: 15.44 min Scan# 2101  
Delta R.T. -0.02 min  
Lab File: BM018951.D  
Acq: 27 Feb 2019 16:08

Tgt Ion:138 Resp: 428574  
Ion Ratio Lower Upper  
138 100  
92 55.8 35.5 75.5  
108 81.1 62.4 102.4





#63

Azobenzene

Concen: 41.423 ng

RT: 15.69 min Scan# 2142

Delta R.T. -0.02 min

Lab File: BM018951.D

Acq: 27 Feb 2019 16:08

Instrument :

BNA\_M

ClientSampleId :

PB117415BS

Tgt Ion: 77 Resp: 2122128

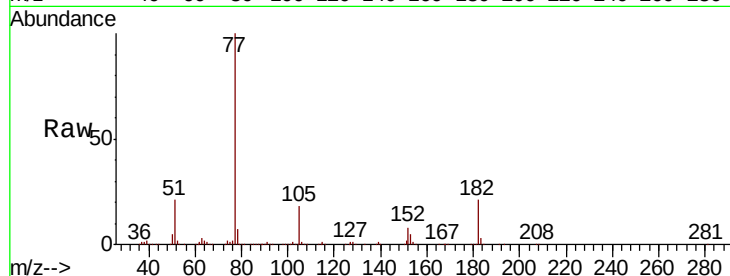
Ion Ratio Lower Upper

77 100

182 21.3 1.0 41.0

105 18.1 0.0 37.7

51 20.6 0.3 40.3

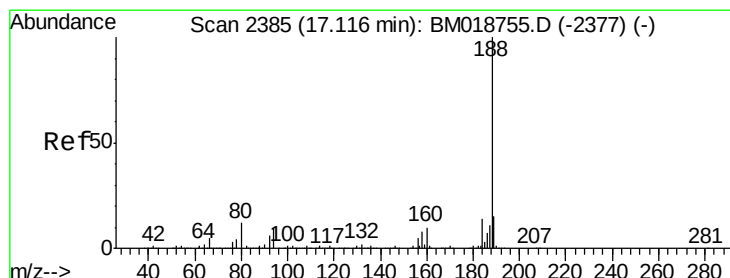
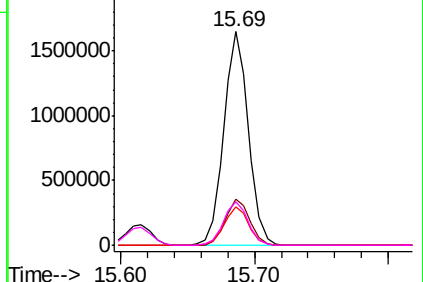
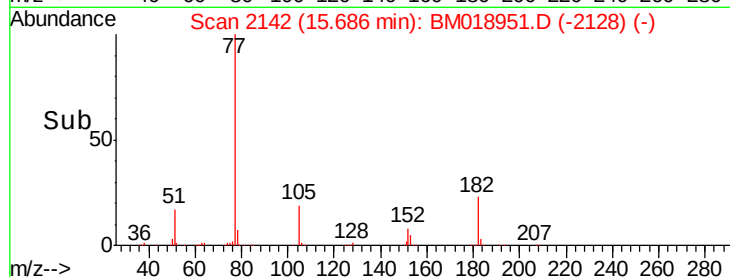


Abundance Ion 77.00 (76.70 to 77.70): BM0

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: 17.10 min Scan# 2382

Delta R.T. -0.02 min

Lab File: BM018951.D

Acq: 27 Feb 2019 16:08

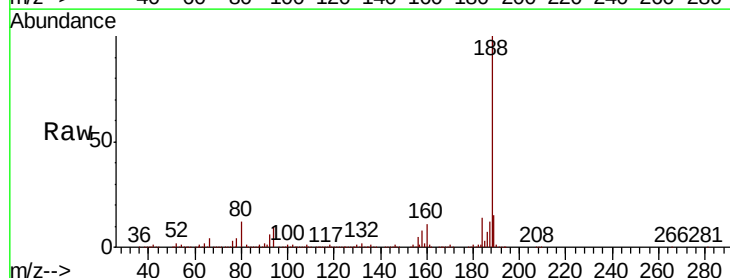
Tgt Ion: 188 Resp: 1219709

Ion Ratio Lower Upper

188 100

94 10.3 8.2 12.2

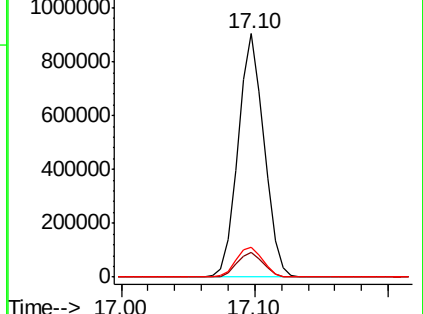
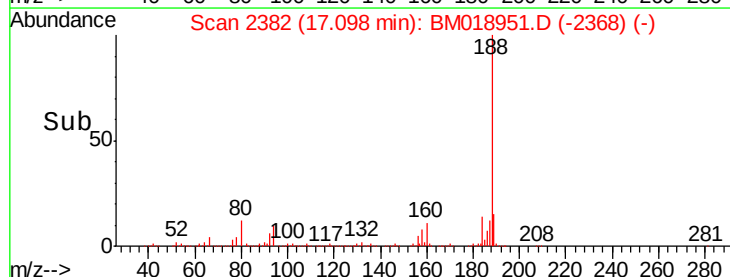
80 12.4 9.7 14.5

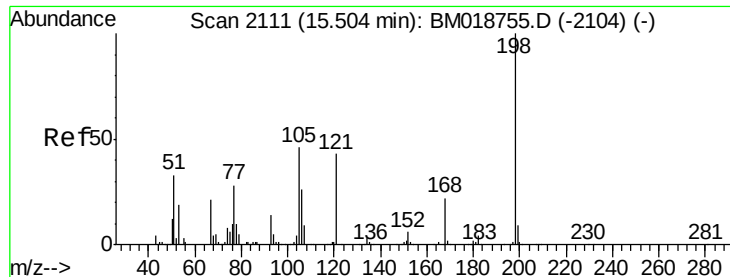


Abundance Ion 188.00 (187.70 to 188.70): E

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: 36.008 ng

RT: 15.49 min Scan# 2109

Delta R.T. -0.01 min

Lab File: BM018951.D

Acq: 27 Feb 2019 16:08

Instrument :

BNA\_M

ClientSampleId :

PB117415BS

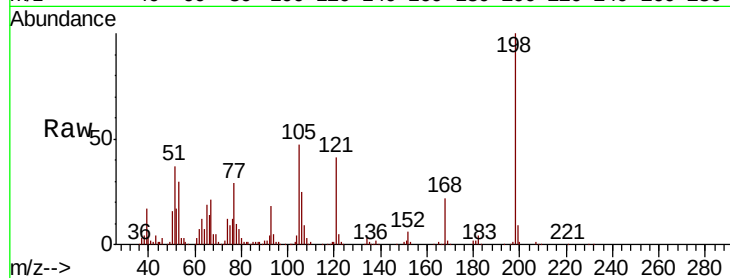
Tgt Ion:198 Resp: 308364

Ion Ratio Lower Upper

198 100

51 37.0 18.4 58.4

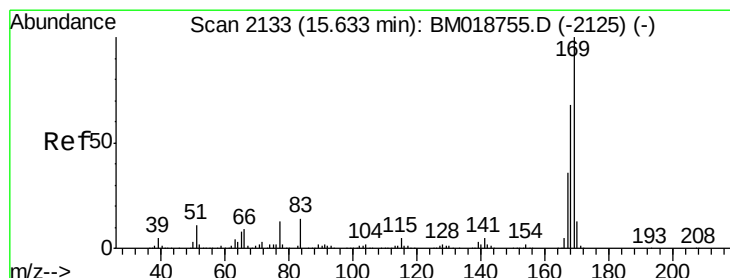
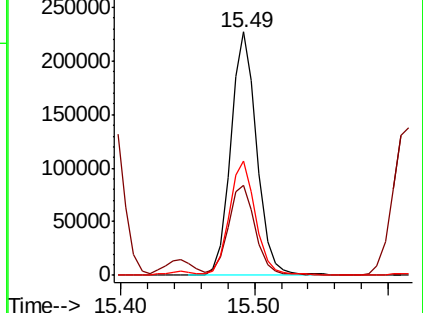
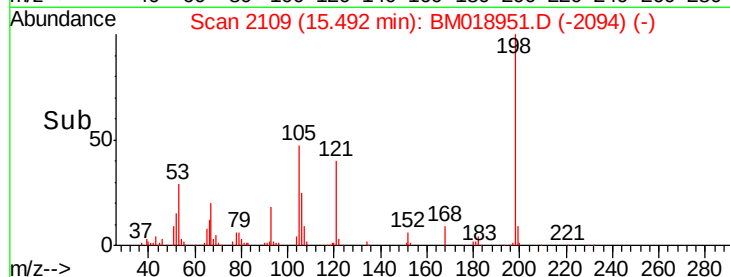
105 47.0 27.2 67.2



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: 41.673 ng

RT: 15.62 min Scan# 2130

Delta R.T. -0.02 min

Lab File: BM018951.D

Acq: 27 Feb 2019 16:08

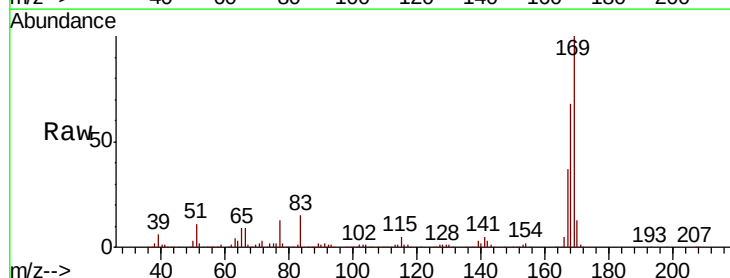
Tgt Ion:169 Resp: 1605886

Ion Ratio Lower Upper

169 100

168 68.2 54.4 81.6

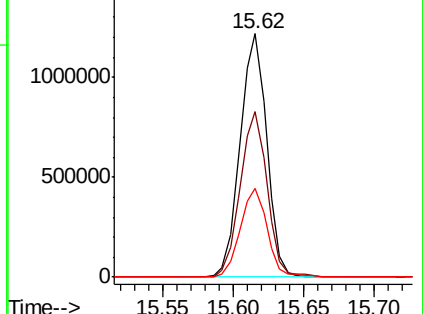
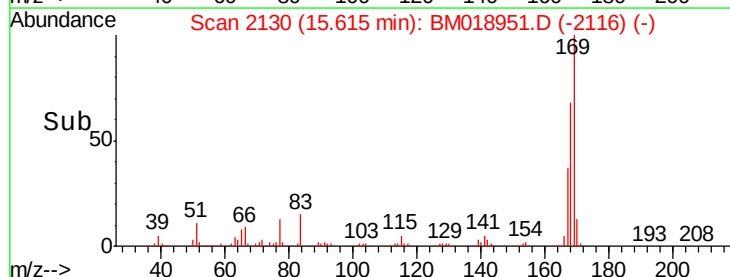
167 36.7 29.0 43.6

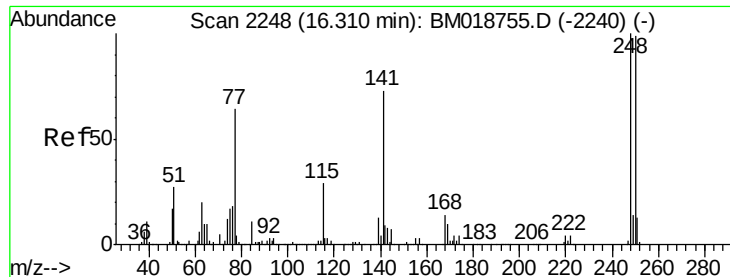


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

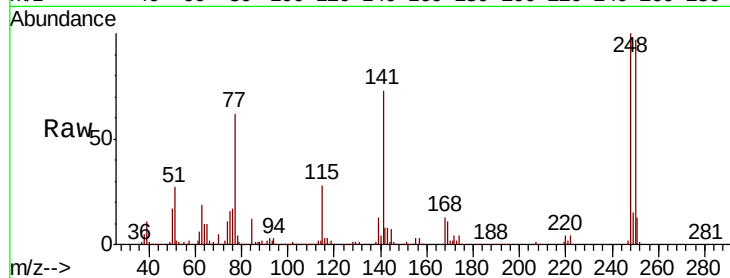




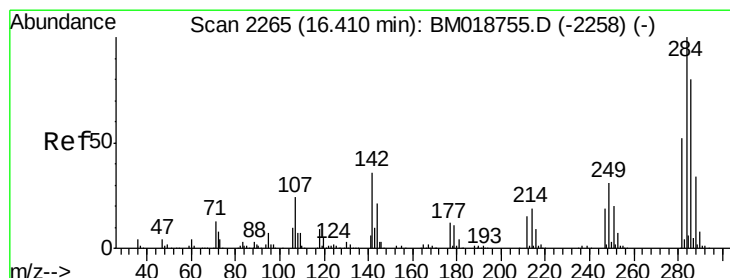
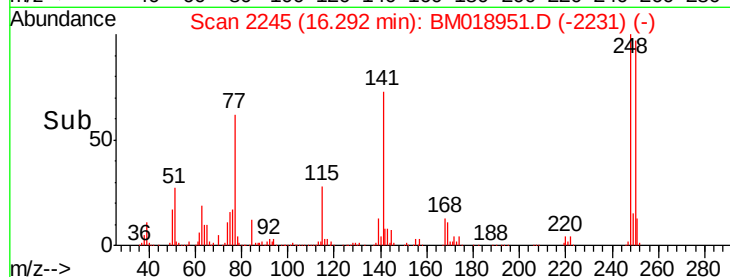
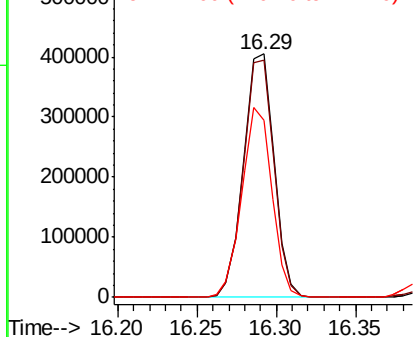
#67  
 4-Bromophenyl-phenylether  
 Concen: 39.940 ng  
 RT: 16.29 min Scan# 2245  
 Delta R.T. -0.02 min  
 Lab File: BM018951.D  
 Acq: 27 Feb 2019 16:08

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB117415BS

Tgt Ion:248 Resp: 545284  
 Ion Ratio Lower Upper  
 248 100  
 250 97.5 79.0 118.6  
 141 72.5 58.6 88.0

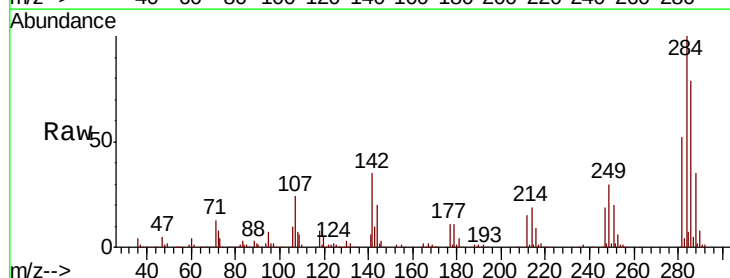


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

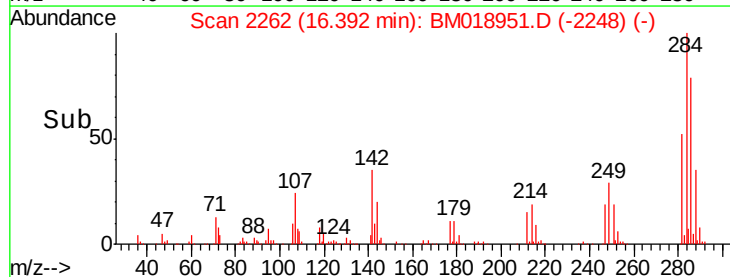
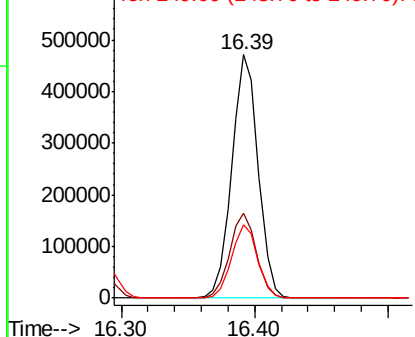


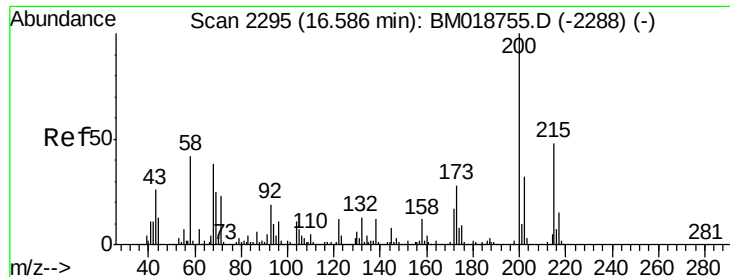
#68  
 Hexachlorobenzene  
 Concen: 40.717 ng  
 RT: 16.39 min Scan# 2262  
 Delta R.T. -0.02 min  
 Lab File: BM018951.D  
 Acq: 27 Feb 2019 16:08

Tgt Ion:284 Resp: 646131  
 Ion Ratio Lower Upper  
 284 100  
 142 35.0 28.9 43.3  
 249 30.1 24.8 37.2



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: 41.040 ng

RT: 16.57 min Scan# 2292

Delta R.T. -0.02 min

Lab File: BM018951.D

Acq: 27 Feb 2019 16:08

Instrument :

BNA\_M

ClientSampleId :

PB117415BS

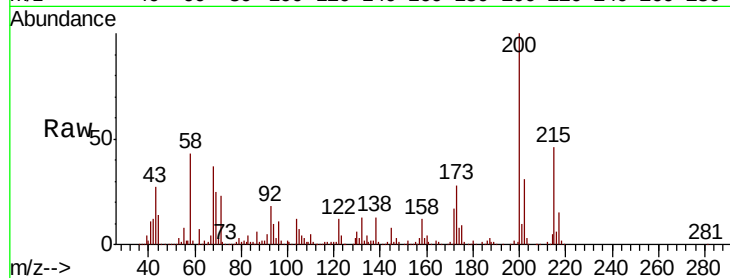
Tgt Ion:200 Resp: 509852

Ion Ratio Lower Upper

200 100

173 27.8 7.6 47.6

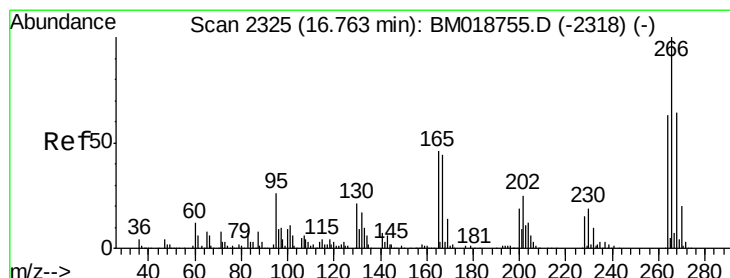
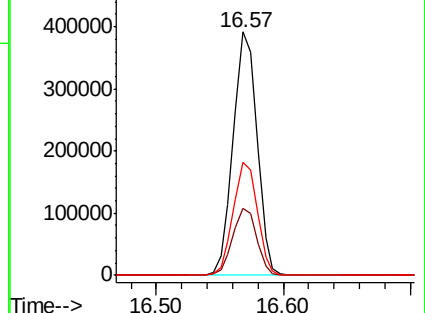
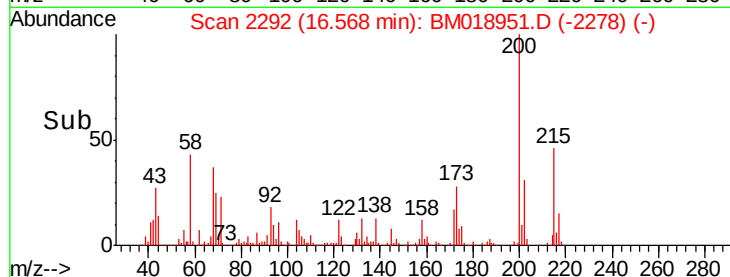
215 46.5 27.6 67.6



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: 80.761 ng

RT: 16.74 min Scan# 2322

Delta R.T. -0.02 min

Lab File: BM018951.D

Acq: 27 Feb 2019 16:08

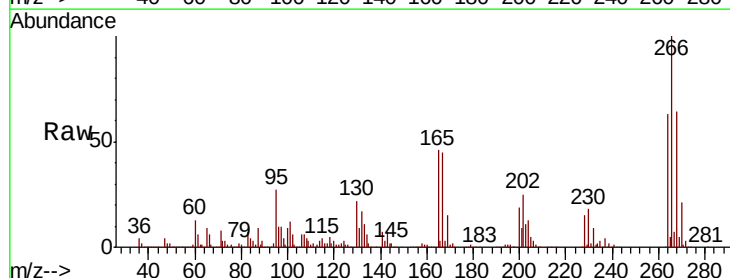
Tgt Ion:266 Resp: 825196

Ion Ratio Lower Upper

266 100

268 64.5 51.3 76.9

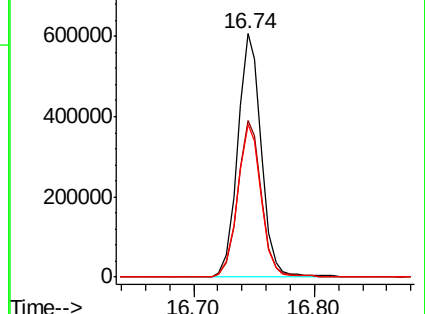
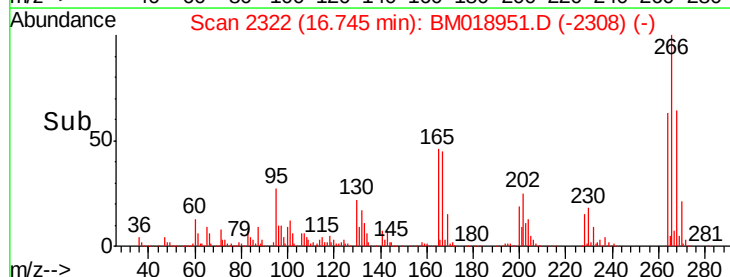
264 62.7 50.6 75.8

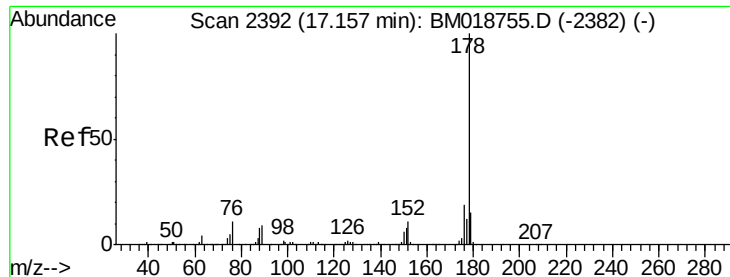


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

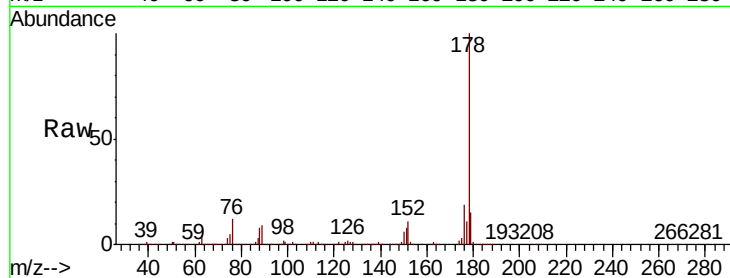




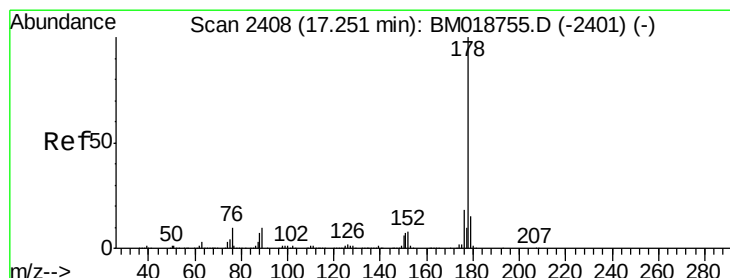
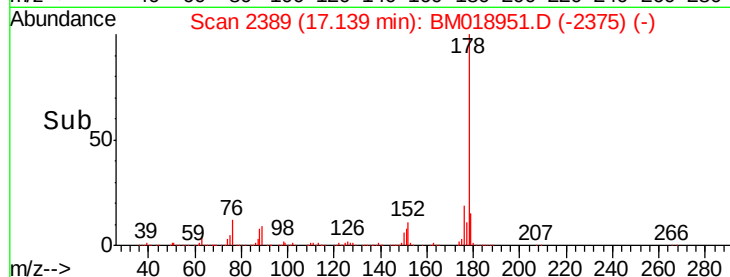
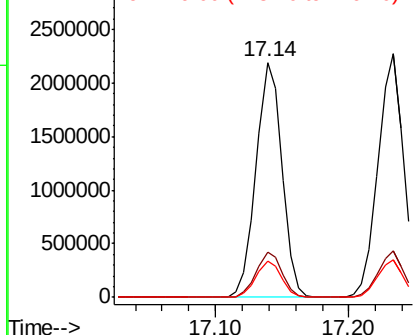
#71  
Phenanthrene  
Concen: 44.655 ng  
RT: 17.14 min Scan# 2389  
Delta R.T. -0.02 min  
Lab File: BM018951.D  
Acq: 27 Feb 2019 16:08

Instrument :  
BNA\_M  
ClientSampleId :  
PB117415BS

Tgt Ion:178 Resp: 2927061  
Ion Ratio Lower Upper  
178 100  
176 19.3 15.4 23.0  
179 15.2 12.3 18.5

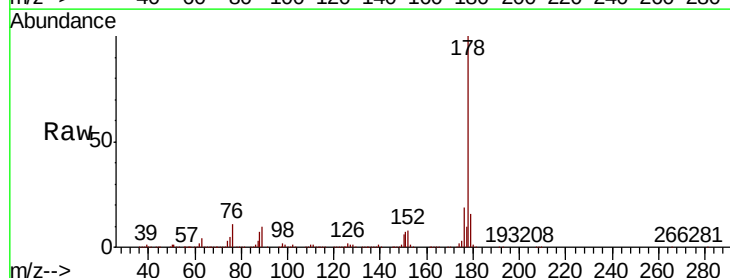


Abundance Ion 178.00 (177.70 to 178.70): E  
Ion 176.00 (175.70 to 176.70): E  
Ion 179.00 (178.70 to 179.70): E

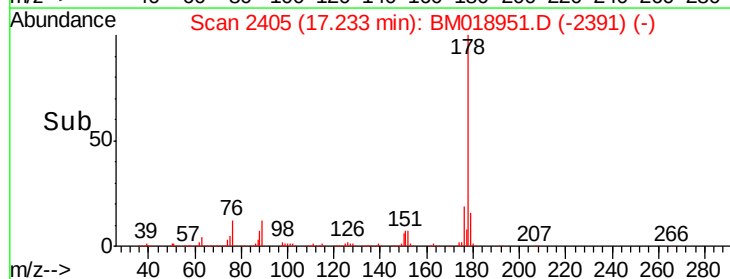
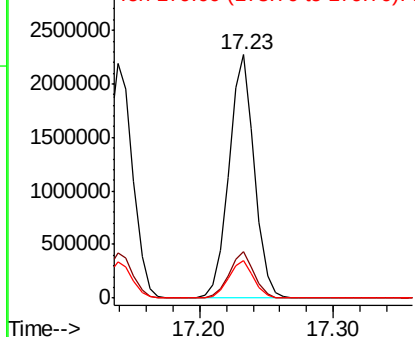


#72  
Anthracene  
Concen: 47.148 ng  
RT: 17.23 min Scan# 2405  
Delta R.T. -0.02 min  
Lab File: BM018951.D  
Acq: 27 Feb 2019 16:08

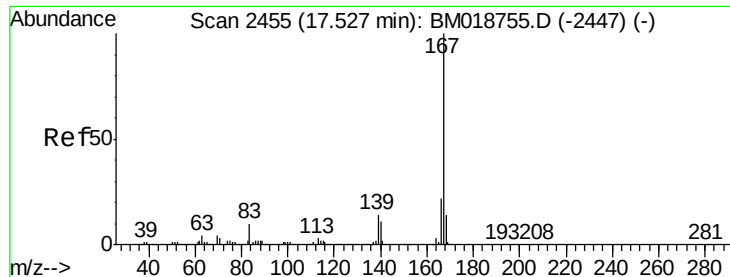
Tgt Ion:178 Resp: 3008073  
Ion Ratio Lower Upper  
178 100  
176 18.8 14.8 22.2  
179 15.5 12.1 18.1



Abundance Ion 178.00 (177.70 to 178.70): E  
Ion 176.00 (175.70 to 176.70): E  
Ion 179.00 (178.70 to 179.70): E



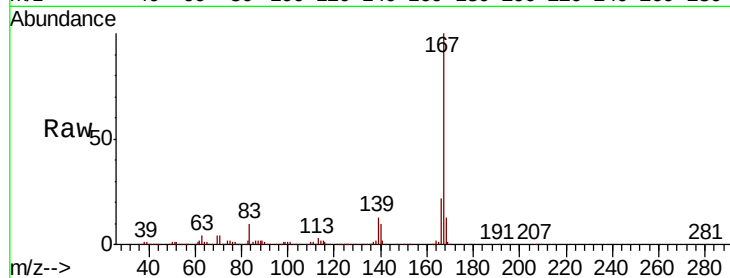




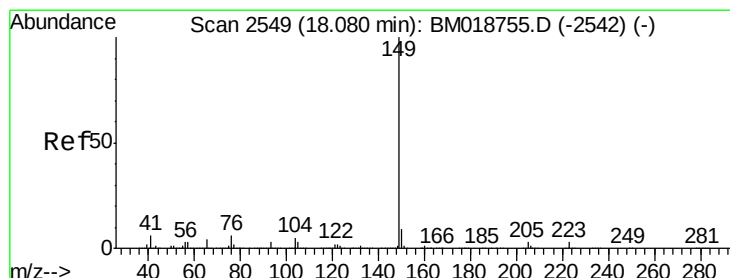
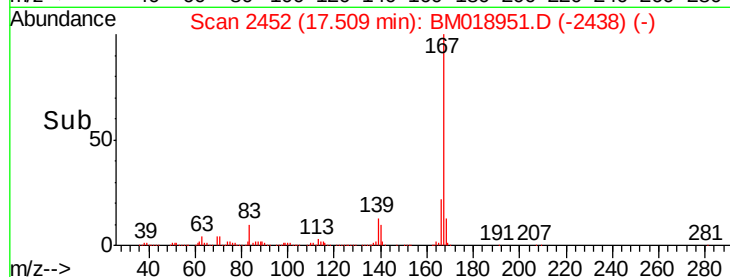
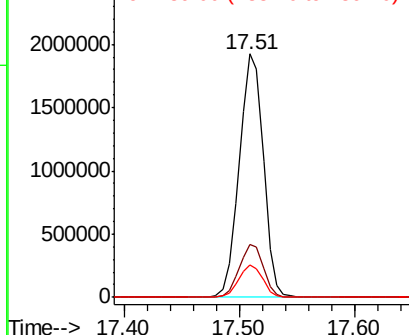
#73  
 Carbazole  
 Concen: 41.804 ng  
 RT: 17.51 min Scan# 2452  
 Delta R.T. -0.02 min  
 Lab File: BM018951.D  
 Acq: 27 Feb 2019 16:08

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB117415BS

Tgt Ion:167 Resp: 2786544  
 Ion Ratio Lower Upper  
 167 100  
 166 21.7 17.7 26.5  
 139 13.2 10.9 16.3

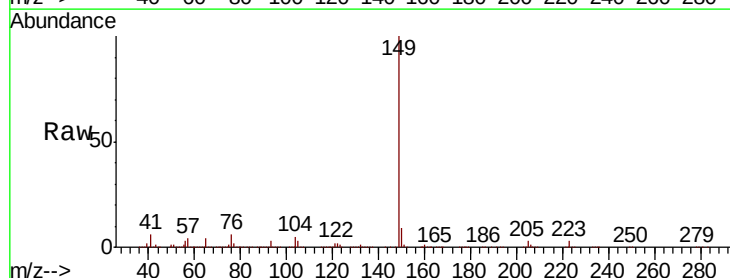


Abundance Ion 167.00 (166.70 to 167.70): E  
 Ion 166.00 (165.70 to 166.70): E  
 Ion 139.00 (138.70 to 139.70): E

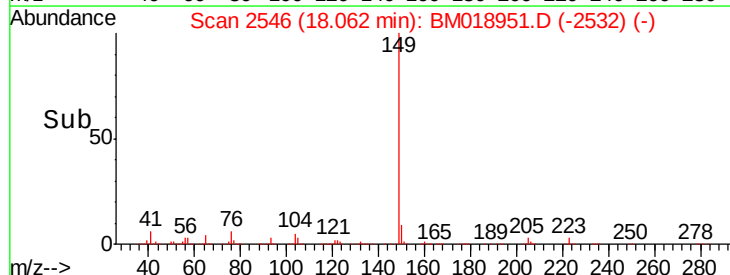
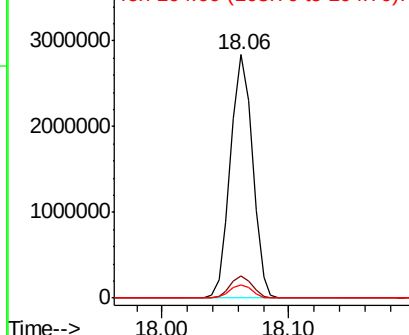


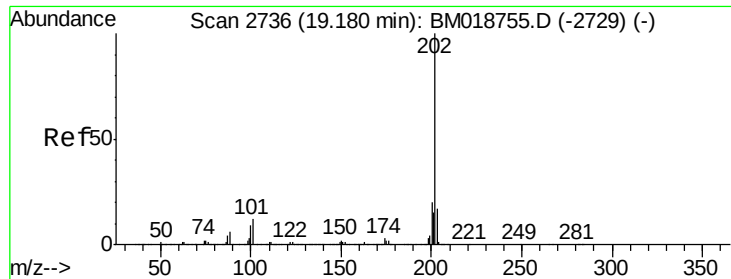
#74  
 Di-n-butylphthalate  
 Concen: 44.580 ng  
 RT: 18.06 min Scan# 2546  
 Delta R.T. -0.02 min  
 Lab File: BM018951.D  
 Acq: 27 Feb 2019 16:08

Tgt Ion:149 Resp: 3417470  
 Ion Ratio Lower Upper  
 149 100  
 150 9.1 7.4 11.0  
 104 5.4 4.3 6.5



Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 46.527 ng

RT: 19.16 min Scan# 2733

Delta R.T. -0.02 min

Lab File: BM018951.D

Acq: 27 Feb 2019 16:08

Instrument :

BNA\_M

ClientSampleId :

PB117415BS

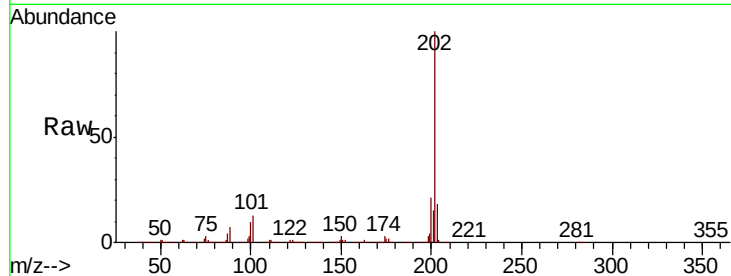
Tgt Ion:202 Resp: 3522924

Ion Ratio Lower Upper

202 100

101 13.1 0.0 31.5

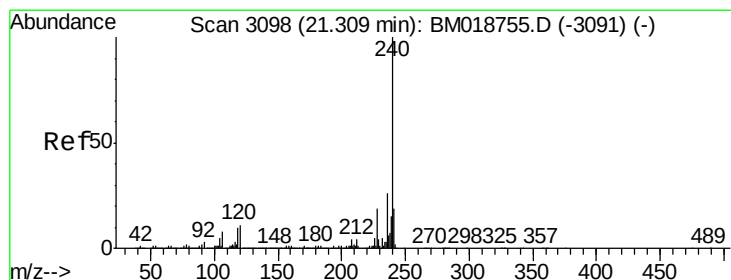
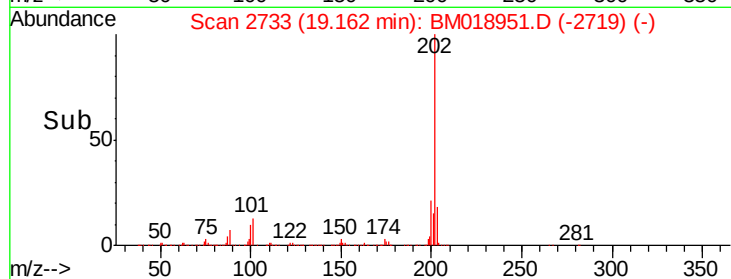
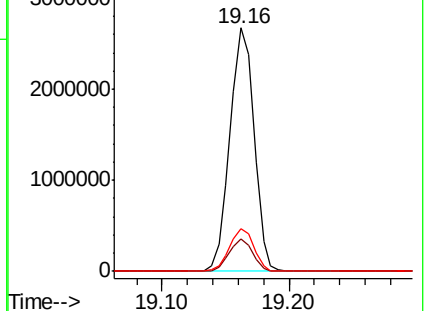
203 17.5 0.0 37.3



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.30 min Scan# 3096

Delta R.T. -0.01 min

Lab File: BM018951.D

Acq: 27 Feb 2019 16:08

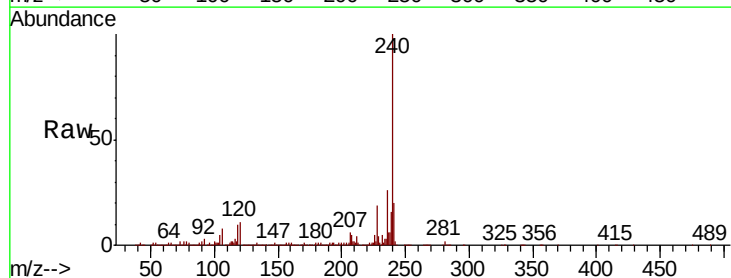
Tgt Ion:240 Resp: 1387232

Ion Ratio Lower Upper

240 100

120 11.0 8.9 13.3

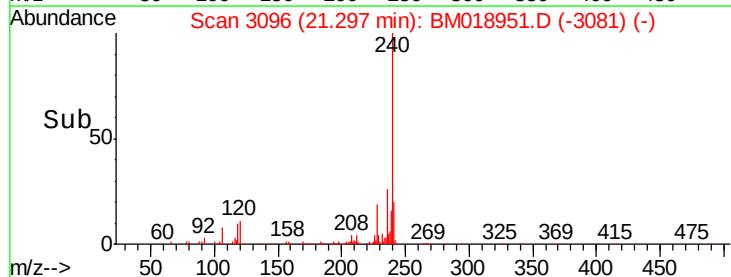
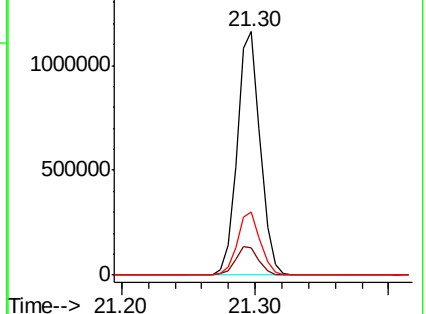
236 25.7 20.9 31.3

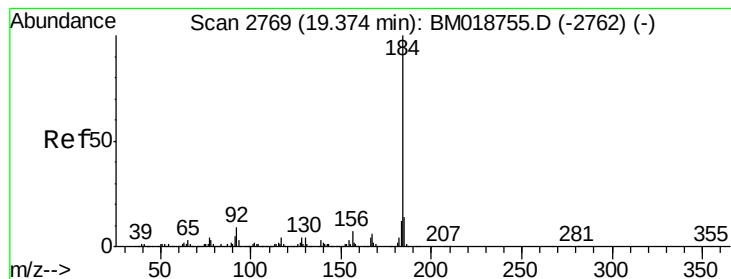


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 71.169 ng

RT: 19.36 min Scan# 2767

Delta R.T. -0.01 min

Lab File: BM018951.D

Acq: 27 Feb 2019 16:08

Instrument :

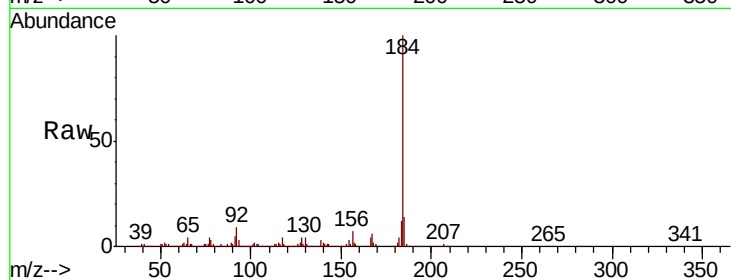
BNA\_M

ClientSampleId :

PB117415BS

Tgt Ion:184 Resp: 2223504

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 184 | 100   |       |       |
| 185 | 14.0  | 11.2  | 16.8  |
| 183 | 12.3  | 9.7   | 14.5  |

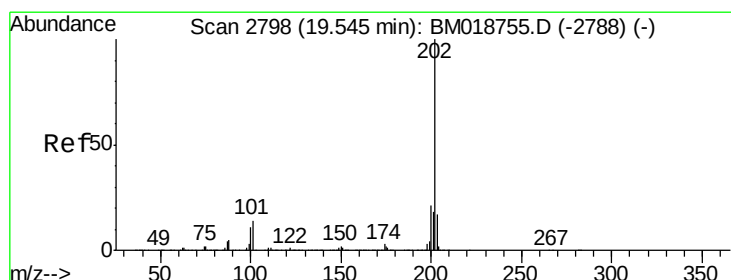
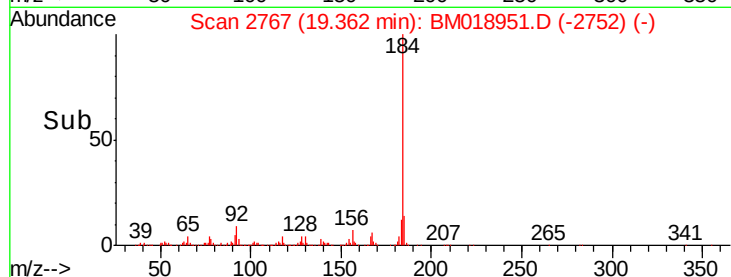
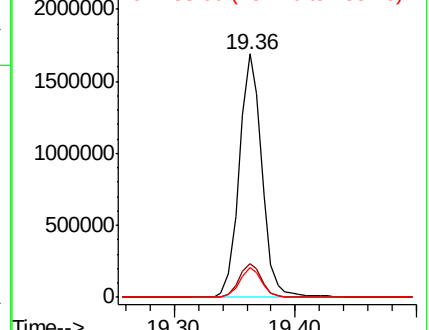


Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 45.235 ng

RT: 19.53 min Scan# 2795

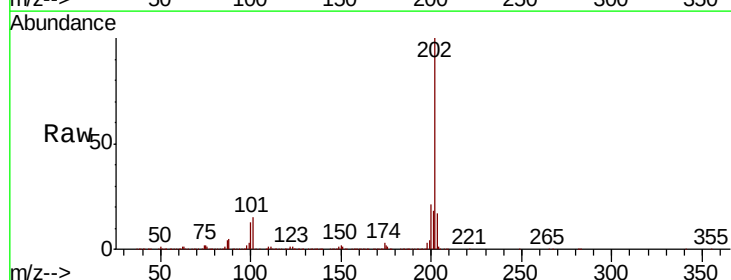
Delta R.T. -0.02 min

Lab File: BM018951.D

Acq: 27 Feb 2019 16:08

Tgt Ion:202 Resp: 3644524

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 200 | 21.1  | 16.9  | 25.3  |
| 203 | 17.5  | 13.8  | 20.8  |

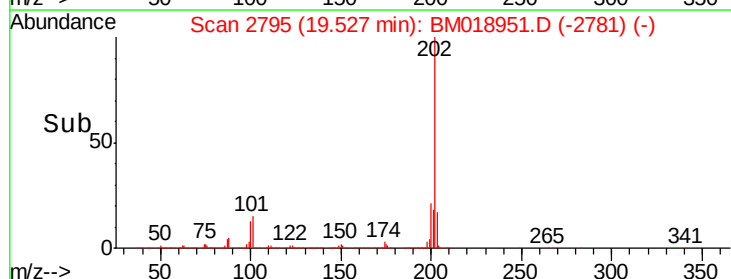
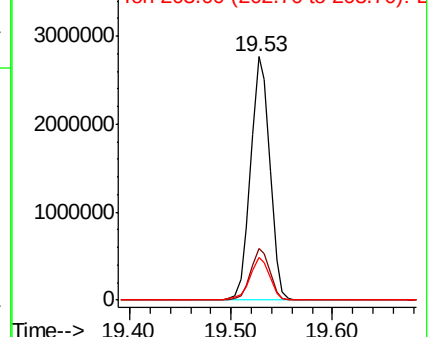


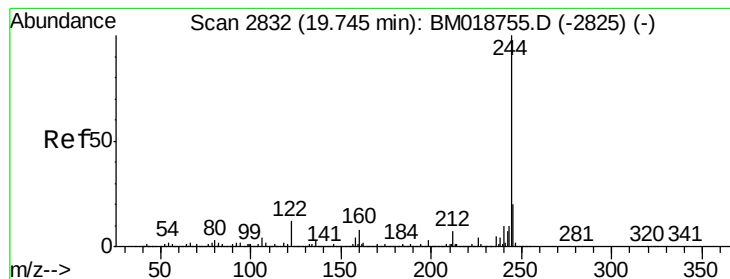
Abundance

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: 92.791 ng

RT: 19.73 min Scan# 2830

Delta R.T. -0.01 min

Lab File: BM018951.D

Acq: 27 Feb 2019 16:08

Instrument :

BNA\_M

ClientSampleId :

PB117415BS

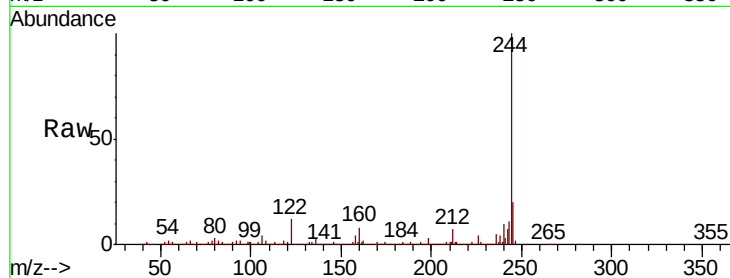
Tgt Ion:244 Resp: 6239890

Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

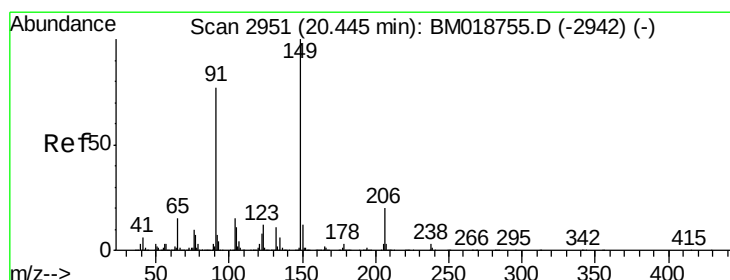
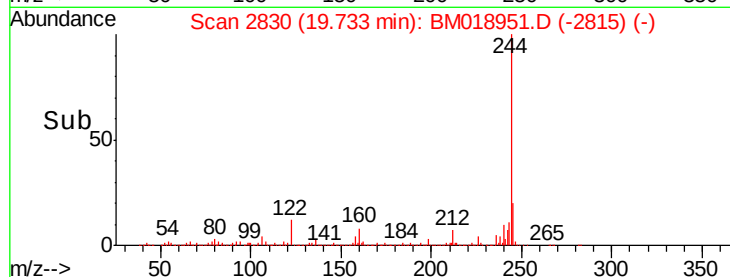
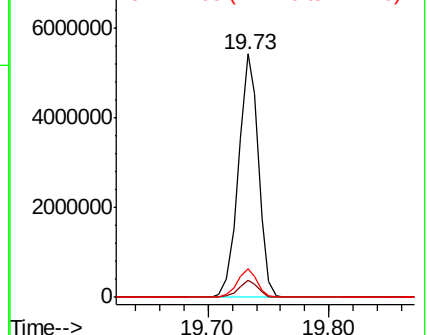
122 11.8 9.3 13.9



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: 48.131 ng

RT: 20.43 min Scan# 2949

Delta R.T. -0.01 min

Lab File: BM018951.D

Acq: 27 Feb 2019 16:08

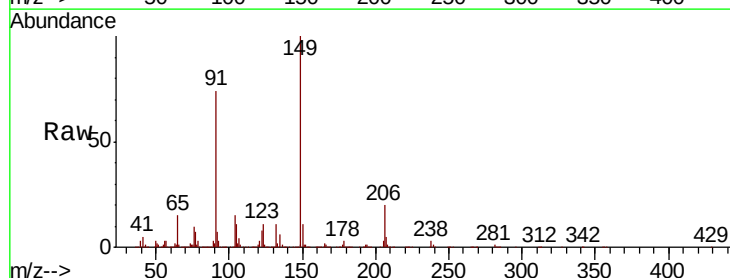
Tgt Ion:149 Resp: 1767316

Ion Ratio Lower Upper

149 100

91 74.3 61.4 92.0

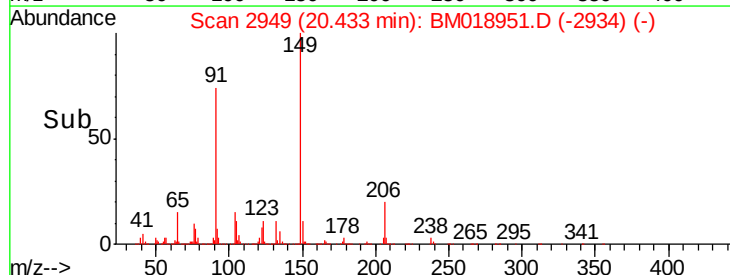
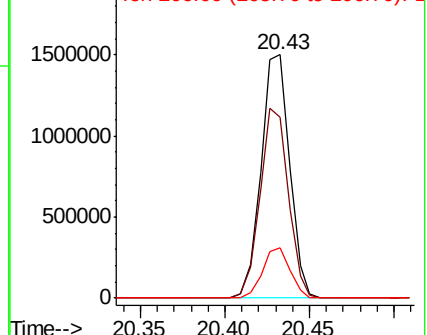
206 20.4 15.8 23.8

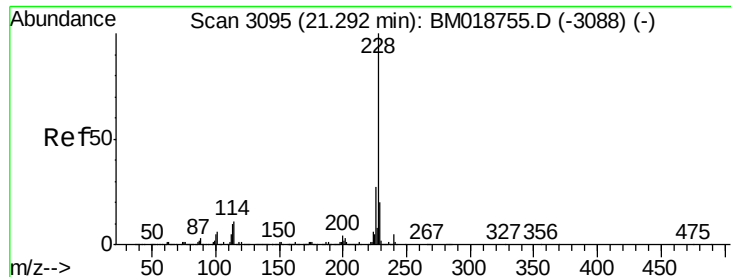


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM0

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 45.105 ng

RT: 21.28 min Scan# 3093

Delta R.T. -0.01 min

Lab File: BM018951.D

Acq: 27 Feb 2019 16:08

Instrument :

BNA\_M

ClientSampleId :

PB117415BS

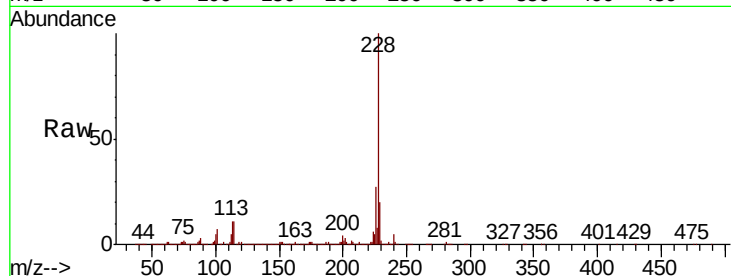
Tgt Ion:228 Resp: 3647357

Ion Ratio Lower Upper

228 100

226 27.1 21.9 32.9

229 19.8 15.9 23.9

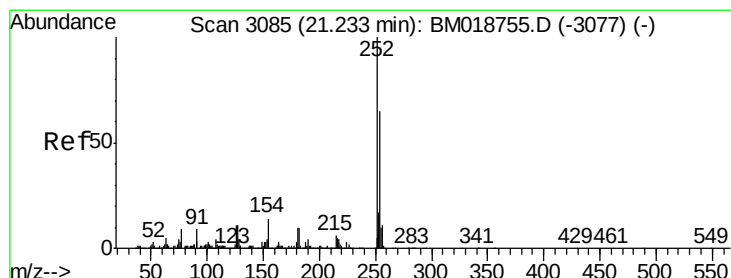
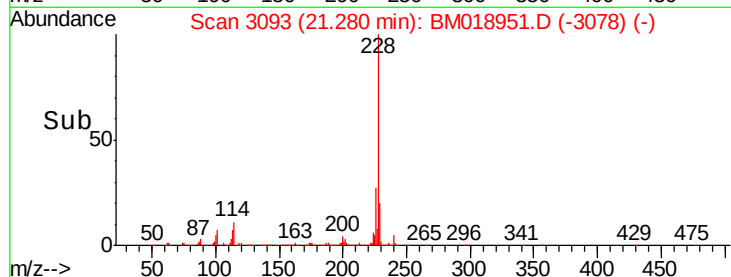
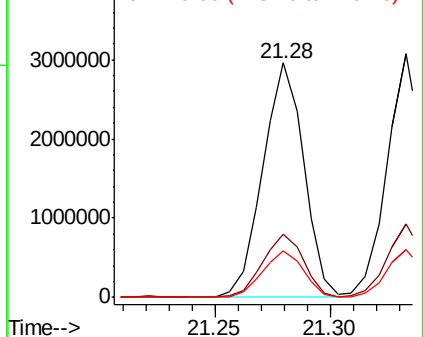


Abundance

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: 33.507 ng

RT: 21.22 min Scan# 3083

Delta R.T. -0.01 min

Lab File: BM018951.D

Acq: 27 Feb 2019 16:08

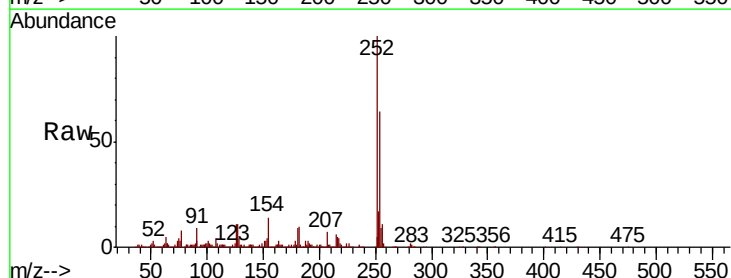
Tgt Ion:252 Resp: 1070843

Ion Ratio Lower Upper

252 100

254 64.0 51.8 77.8

126 11.3 9.1 13.7

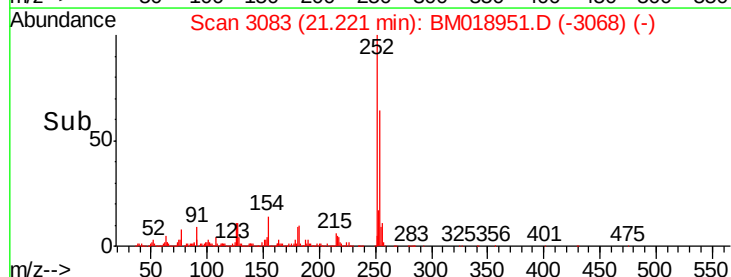
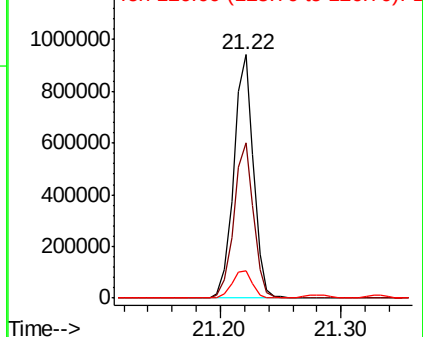


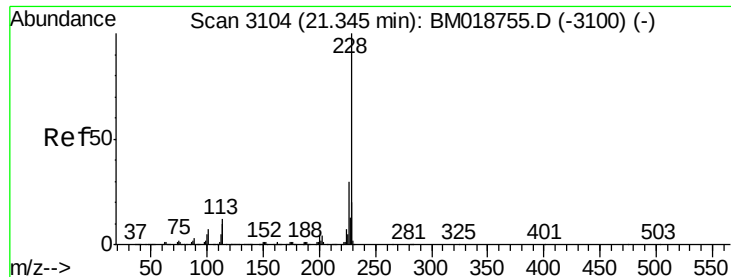
Abundance

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

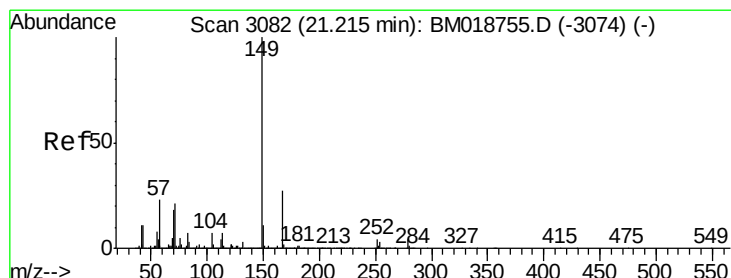
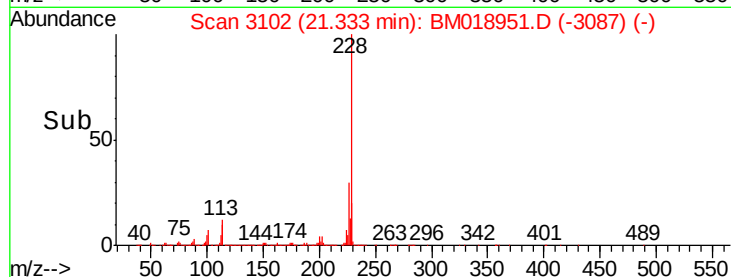
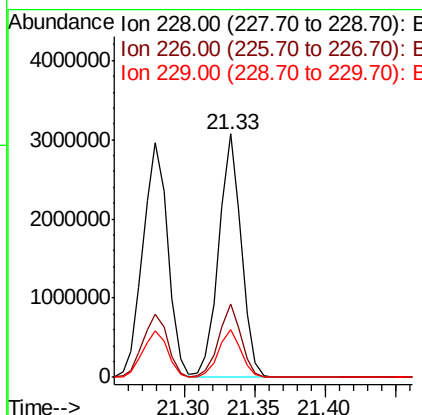
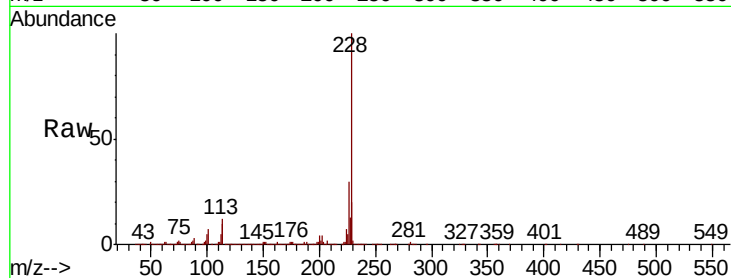




#83  
**Chrysene**  
 Concen: 43.836 ng  
 RT: 21.33 min Scan# 3102  
 Delta R.T. -0.01 min  
 Lab File: BM018951.D  
 Acq: 27 Feb 2019 16:08

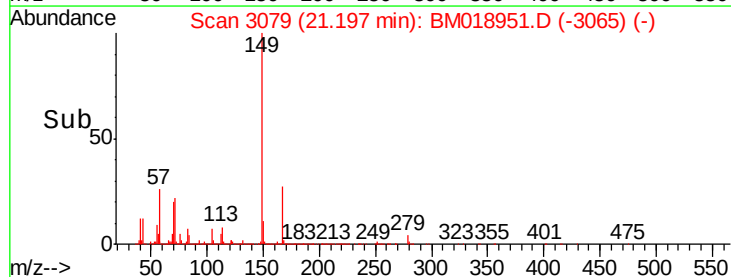
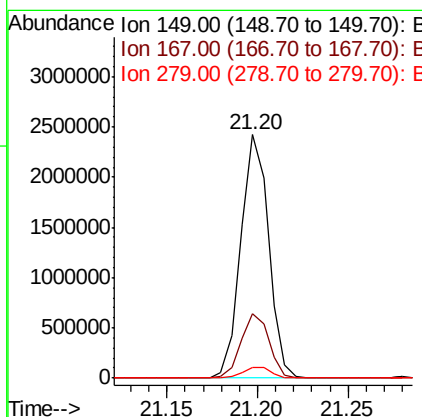
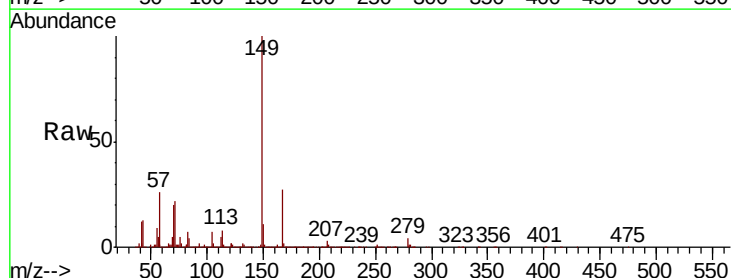
Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB117415BS

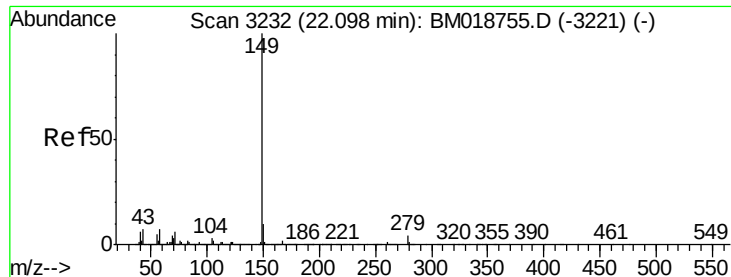
Tgt Ion:228 Resp: 3397648  
 Ion Ratio Lower Upper  
 228 100  
 226 30.2 24.1 36.1  
 229 19.8 16.0 24.0



#84  
**Bis(2-ethylhexyl)phthalate**  
 Concen: 47.888 ng  
 RT: 21.20 min Scan# 3079  
 Delta R.T. -0.02 min  
 Lab File: BM018951.D  
 Acq: 27 Feb 2019 16:08

Tgt Ion:149 Resp: 2573588  
 Ion Ratio Lower Upper  
 149 100  
 167 26.6 21.8 32.6  
 279 4.2 3.6 5.4





#85

Di-n-octyl phthalate

Concen: 49.909 ng

RT: 22.08 min Scan# 3229

Delta R.T. -0.02 min

Lab File: BM018951.D

Acq: 27 Feb 2019 16:08

Instrument :

BNA\_M

ClientSampleId :

PB117415BS

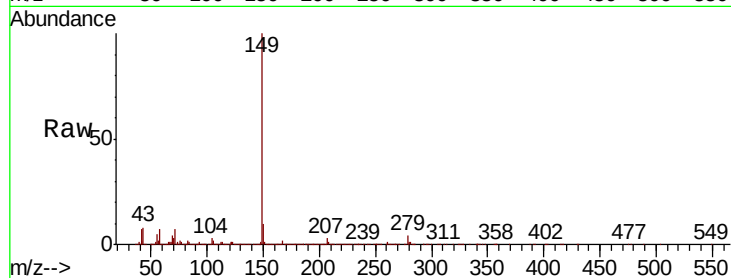
Tgt Ion:149 Resp: 4507984

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

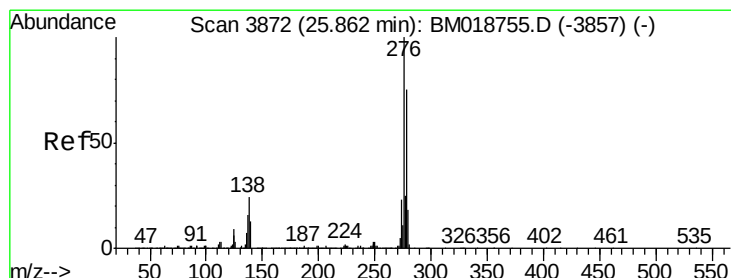
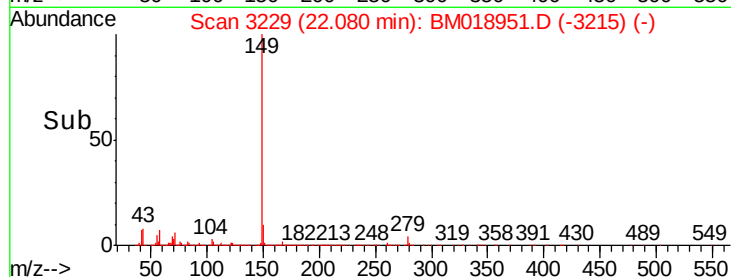
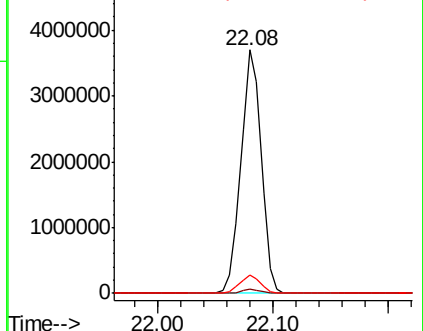
43 7.5 6.0 9.0



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: 36.724 ng

RT: 25.83 min Scan# 3867

Delta R.T. -0.03 min

Lab File: BM018951.D

Acq: 27 Feb 2019 16:08

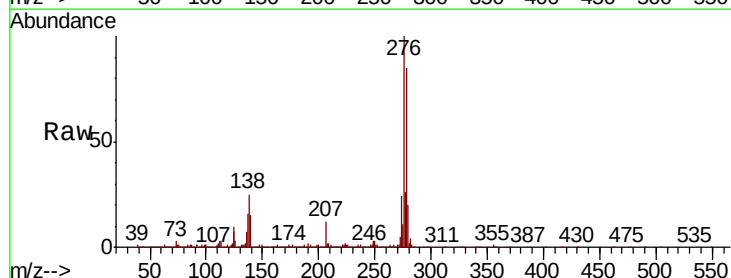
Tgt Ion:276 Resp: 3286238

Ion Ratio Lower Upper

276 100

138 25.0 20.2 30.4

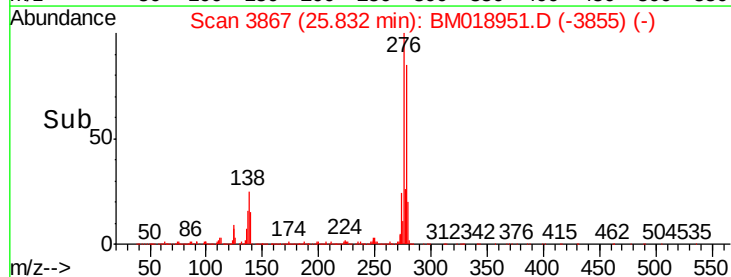
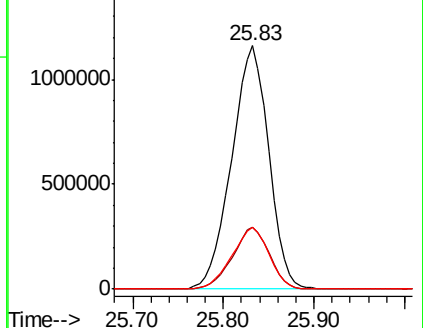
277 25.3 20.3 30.5

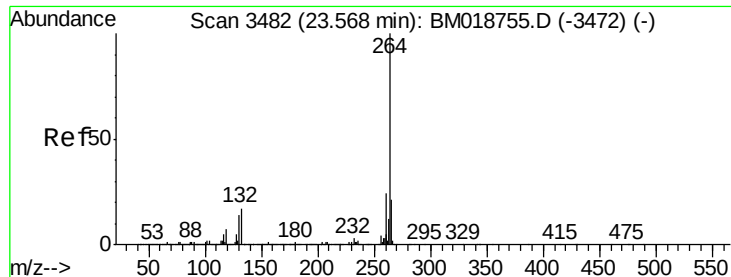


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Perylene-d12

Concen: 20.000 ng

RT: 23.54 min Scan# 3478

Delta R.T. -0.02 min

Lab File: BM018951.D

Acq: 27 Feb 2019 16:08

Instrument :

BNA\_M

ClientSampleId :

PB117415BS

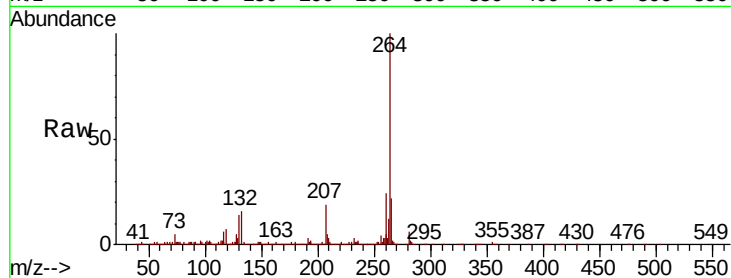
Tgt Ion:264 Resp: 1225306

Ion Ratio Lower Upper

264 100

260 24.0 18.9 28.3

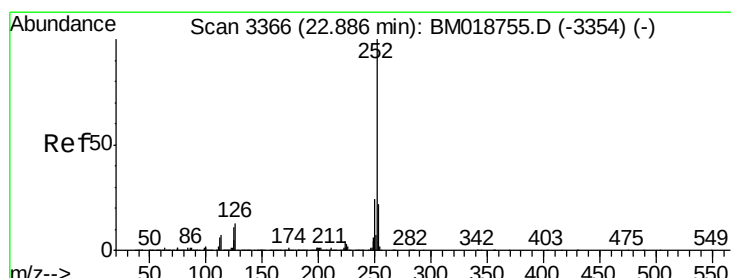
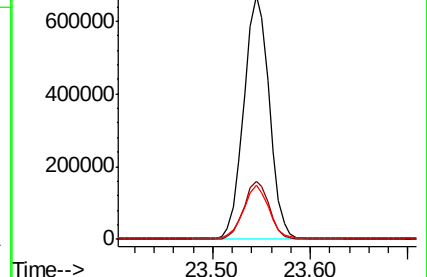
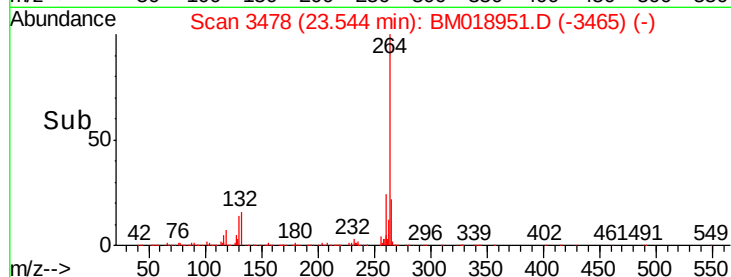
265 22.1 17.3 25.9



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: 47.293 ng

RT: 22.87 min Scan# 3363

Delta R.T. -0.02 min

Lab File: BM018951.D

Acq: 27 Feb 2019 16:08

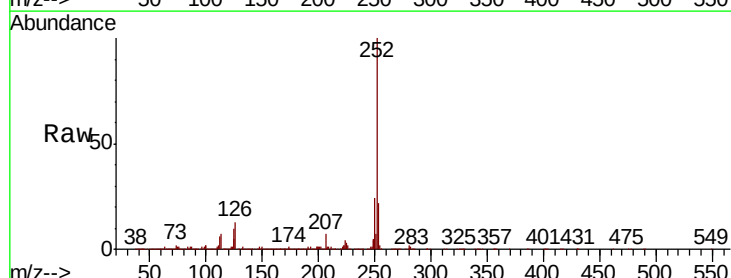
Tgt Ion:252 Resp: 3315442

Ion Ratio Lower Upper

252 100

253 22.0 17.8 26.6

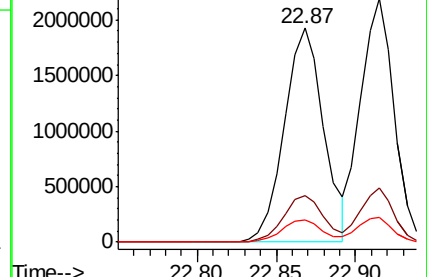
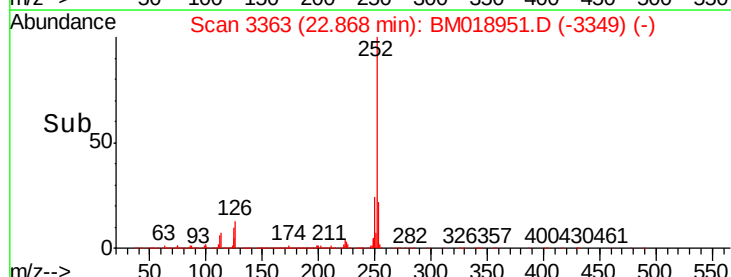
125 10.5 8.6 12.8



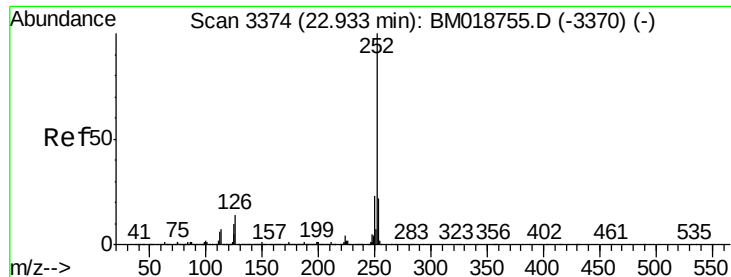
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E







#89

Benzo(k)fluoranthene

Concen: 46.025 ng

RT: 22.91 min Scan# 3371

Delta R.T. -0.02 min

Lab File: BM018951.D

Acq: 27 Feb 2019 16:08

Instrument :

BNA\_M

ClientSampleId :

PB117415BS

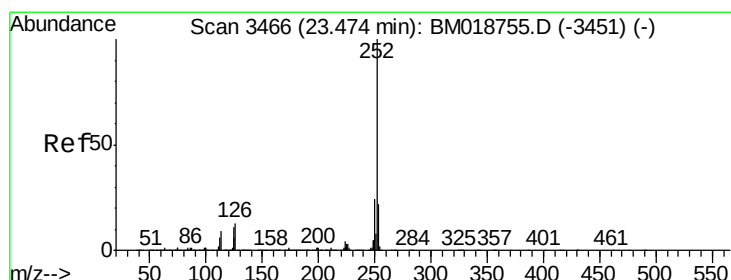
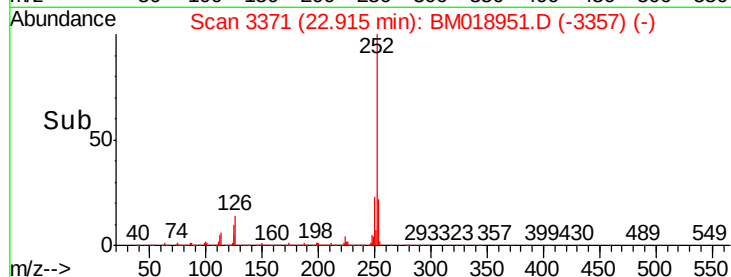
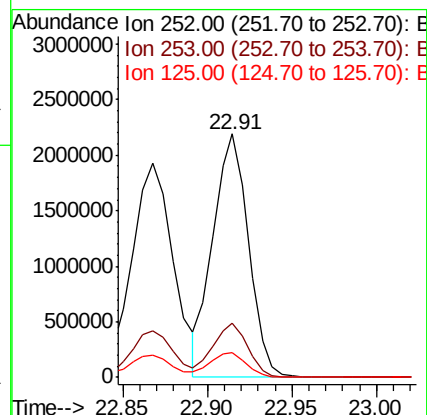
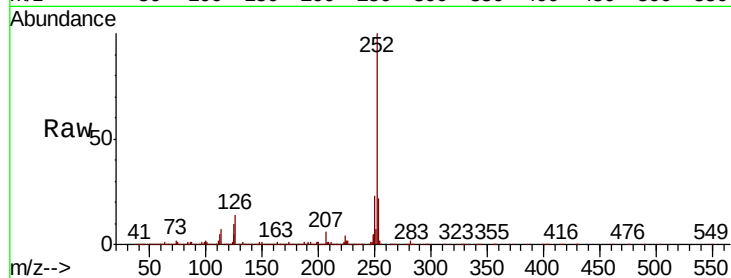
Tgt Ion:252 Resp: 3212271

Ion Ratio Lower Upper

252 100

253 22.0 17.7 26.5

125 10.2 8.2 12.4



#90

Benzo(a)pyrene

Concen: 45.913 ng

RT: 23.45 min Scan# 3462

Delta R.T. -0.02 min

Lab File: BM018951.D

Acq: 27 Feb 2019 16:08

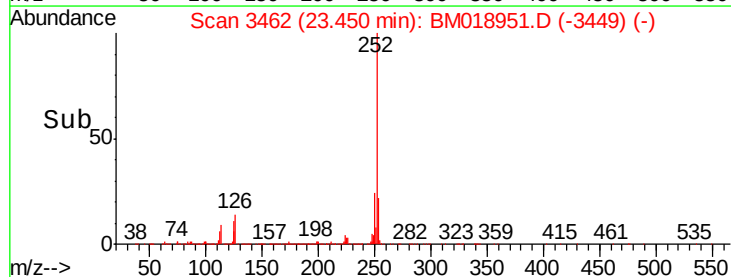
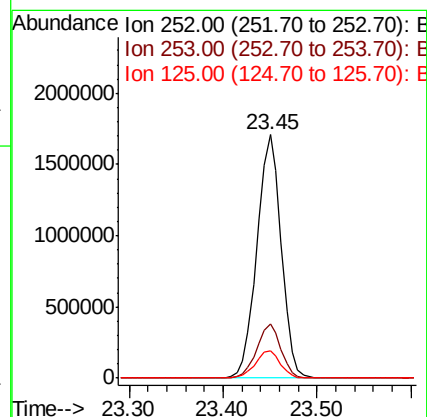
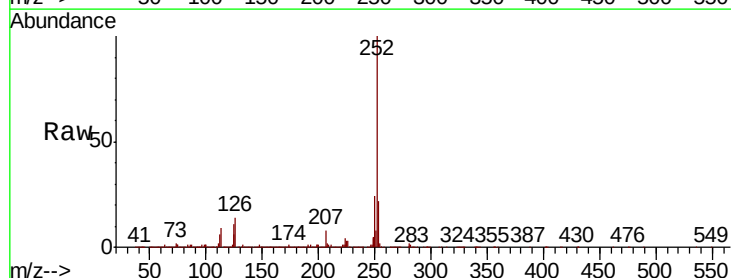
Tgt Ion:252 Resp: 3049156

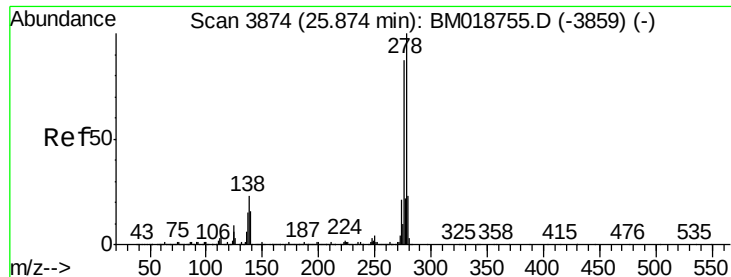
Ion Ratio Lower Upper

252 100

253 22.3 17.4 26.0

125 11.2 8.6 13.0



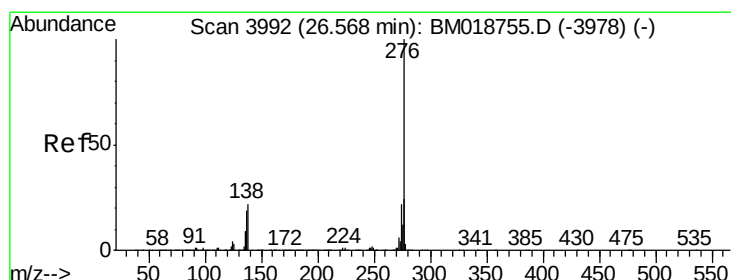
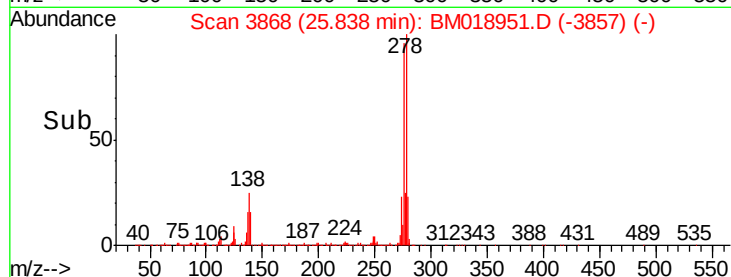
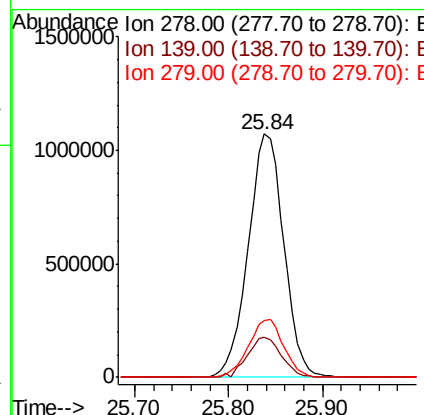
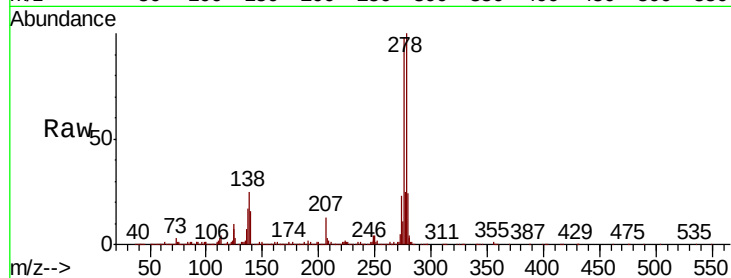


#91  
Dibenzo(a,h)anthracene  
Concen: 42.659 ng  
RT: 25.84 min Scan# 3868  
Delta R.T. -0.04 min  
Lab File: BM018951.D  
Acq: 27 Feb 2019 16:08

Instrument :  
BNA\_M  
ClientSampleId :  
PB117415BS

Tgt Ion:278 Resp: 2806824  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 278 | 100   |       |       |
| 139 | 16.2  | 12.6  | 18.8  |
| 279 | 23.5  | 18.6  | 28.0  |



#92  
Benzo(g,h,i)perylene  
Concen: 43.211 ng  
RT: 26.53 min Scan# 3986  
Delta R.T. -0.04 min  
Lab File: BM018951.D  
Acq: 27 Feb 2019 16:08

Tgt Ion:276 Resp: 2646872  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 277 | 23.8  | 19.2  | 28.8  |
| 138 | 21.1  | 17.3  | 25.9  |

