

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM021219\  
 Data File : BM018773.D  
 Acq On : 12 Feb 2019 15:22  
 Operator : JU/SJ  
 Sample : PB117038BSD  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB117038BSD

Quant Time: Feb 13 01:32:35 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 | 7.72  | 152  | 335186   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.50 | 136  | 1378617  | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 14.37 | 164  | 791910   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 17.12 | 188  | 1837829  | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.31 | 240  | 2078547  | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 23.57 | 264  | 2041833  | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.30  | 112 | 2923263 | 142.90 | ng | 0.00 |
| 7) Phenol-d6             | 6.89  | 99  | 4145813 | 143.86 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 8.89  | 82  | 2142537 | 71.86  | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.87 | 330 | 1788832 | 156.71 | ng | 0.00 |
| 45) 2-Fluorobiphenyl     | 12.98 | 172 | 4232378 | 70.95  | ng | 0.00 |
| 79) Terphenyl-d14        | 19.75 | 244 | 7898010 | 78.39  | ng | 0.00 |

## Target Compounds

|                                |       |     |         |        |    | Qvalue |
|--------------------------------|-------|-----|---------|--------|----|--------|
| 2) 1,4-Dioxane                 | 3.26  | 88  | 364797  | 40.942 | ng | 99     |
| 3) Pyridine                    | 3.66  | 79  | 1111562 | 45.736 | ng | 98     |
| 4) n-Nitrosodimethylamine      | 3.58  | 42  | 302618  | 48.945 | ng | 100    |
| 6) Aniline                     | 7.06  | 93  | 1585140 | 44.891 | ng | 99     |
| 8) 2-Chlorophenol              | 7.28  | 128 | 959076  | 42.701 | ng | 97     |
| 9) Benzaldehyde                | 6.87  | 77  | 859466  | 63.716 | ng | 99     |
| 10) Phenol                     | 6.92  | 94  | 1311574 | 43.253 | ng | 99     |
| 11) bis(2-Chloroethyl)ether    | 7.16  | 93  | 973150  | 42.071 | ng | 98     |
| 12) 1,3-Dichlorobenzene        | 7.60  | 146 | 1040613 | 41.204 | ng | 99     |
| 13) 1,4-Dichlorobenzene        | 7.75  | 146 | 1055993 | 41.071 | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 8.06  | 146 | 1020427 | 41.318 | ng | 99     |
| 15) Benzyl Alcohol             | 7.96  | 79  | 988456  | 43.165 | ng | 99     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.23  | 45  | 915538  | 40.894 | ng | 98     |
| 17) 2-Methylphenol             | 8.16  | 107 | 831904  | 43.104 | ng | 98     |
| 18) Hexachloroethane           | 8.78  | 117 | 395492  | 42.138 | ng | 99     |
| 19) n-Nitroso-di-n-propylamine | 8.53  | 70  | 937605  | 42.019 | ng | 100    |
| 20) 3+4-Methylphenols          | 8.49  | 107 | 1150617 | 43.174 | ng | 98     |
| 22) Acetophenone               | 8.55  | 105 | 1554540 | 41.061 | ng | # 99   |
| 24) Nitrobenzene               | 8.93  | 77  | 1312097 | 42.396 | ng | 98     |
| 25) Isophorone                 | 9.45  | 82  | 2360692 | 49.622 | ng | 100    |
| 26) 2-Nitrophenol              | 9.63  | 139 | 541284  | 43.918 | ng | 99     |
| 27) 2,4-Dimethylphenol         | 9.69  | 122 | 875157  | 48.617 | ng | 98     |
| 28) bis(2-Chloroethoxy)methane | 9.93  | 93  | 1360921 | 44.238 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 10.16 | 162 | 905136  | 43.791 | ng | 99     |
| 30) 1,2,4-Trichlorobenzene     | 10.36 | 180 | 991828  | 41.551 | ng | 99     |
| 31) Naphthalene                | 10.56 | 128 | 3019495 | 44.909 | ng | 99     |
| 32) Benzoic acid               | 9.85  | 122 | 615818  | 39.218 | ng | 98     |
| 33) 4-Chloroaniline            | 10.68 | 127 | 1321854 | 43.980 | ng | 99     |
| 34) Hexachlorobutadiene        | 10.82 | 225 | 550037  | 39.699 | ng | 99     |
| 35) Caprolactam                | 11.50 | 113 | 231603  | 27.456 | ng | 91     |
| 36) 4-Chloro-3-methylphenol    | 11.80 | 107 | 1075341 | 43.151 | ng | 99     |
| 37) 2-Methylnaphthalene        | 12.17 | 142 | 2209039 | 46.665 | ng | 100    |
| 38) 1-Methylnaphthalene        | 12.39 | 142 | 2094276 | 45.241 | ng | 100    |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.54 | 216 | 1057866 | 41.759 | ng | 99     |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM021219\  
 Data File : BM018773.D  
 Acq On : 12 Feb 2019 15:22  
 Operator : JU/SJ  
 Sample : PB117038BSD  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

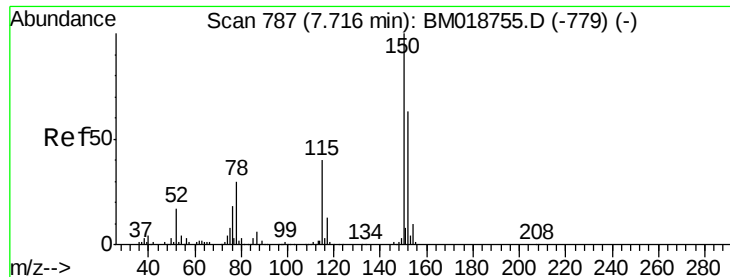
Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB117038BSD

Quant Time: Feb 13 01:32:35 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  | 12.51 | 237  | 1436899  | 110.942 | ng    | 100      |
| 43) 2,4,6-Trichlorophenol      | 12.79 | 196  | 741624   | 44.223  | ng    | 99       |
| 44) 2,4,5-Trichlorophenol      | 12.86 | 196  | 792013   | 45.059  | ng    | 97       |
| 46) 1,1'-Biphenyl              | 13.19 | 154  | 2769621  | 40.631  | ng    | 100      |
| 47) 2-Chloronaphthalene        | 13.24 | 162  | 2170314  | 41.221  | ng    | 100      |
| 48) 2-Nitroaniline             | 13.46 | 65   | 783844   | 44.826  | ng    | 97       |
| 49) Acenaphthylene             | 14.09 | 152  | 3566859  | 45.497  | ng    | 100      |
| 50) Dimethylphthalate          | 13.83 | 163  | 2845745  | 43.119  | ng    | 100      |
| 51) 2,6-Dinitrotoluene         | 13.96 | 165  | 629935   | 44.062  | ng    | 99       |
| 52) Acenaphthene               | 14.43 | 154  | 2043168  | 42.503  | ng    | 99       |
| 53) 3-Nitroaniline             | 14.29 | 138  | 676740   | 41.894  | ng    | 97       |
| 54) 2,4-Dinitrophenol          | 14.50 | 184  | 816161   | 89.251  | ng    | 96       |
| 55) Dibenzofuran               | 14.77 | 168  | 3339968  | 42.271  | ng    | 99       |
| 56) 4-Nitrophenol              | 14.61 | 139  | 1143916  | 88.710  | ng    | 99       |
| 57) 2,4-Dinitrotoluene         | 14.75 | 165  | 902164   | 45.800  | ng    | 98       |
| 58) Fluorene                   | 15.42 | 166  | 2749574  | 45.487  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol  | 14.99 | 232  | 733098   | 47.185  | ng    | 100      |
| 60) Diethylphthalate           | 15.20 | 149  | 2952860  | 43.374  | ng    | 99       |
| 61) 4-Chlorophenyl-phenylether | 15.42 | 204  | 1374609  | 40.559  | ng    | 97       |
| 62) 4-Nitroaniline             | 15.47 | 138  | 693029   | 43.762  | ng    | 98       |
| 63) Azobenzene                 | 15.71 | 77   | 3128839  | 42.864  | ng    | 99       |
| 65) 4,6-Dinitro-2-methylphenol | 15.51 | 198  | 522593   | 40.500  | ng    | 98       |
| 66) n-Nitrosodiphenylamine     | 15.63 | 169  | 2419825  | 41.675  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether  | 16.31 | 248  | 831168   | 40.404  | ng    | 99       |
| 68) Hexachlorobenzene          | 16.42 | 284  | 956250   | 39.992  | ng    | 97       |
| 69) Atrazine                   | 16.59 | 200  | 827330   | 44.197  | ng    | 98       |
| 70) Pentachlorophenol          | 16.76 | 266  | 1272104  | 82.627  | ng    | 100      |
| 71) Phenanthrene               | 17.16 | 178  | 4362819  | 44.173  | ng    | 100      |
| 72) Anthracene                 | 17.25 | 178  | 4456789  | 46.360  | ng    | 100      |
| 73) Carbazole                  | 17.53 | 167  | 4117380  | 40.995  | ng    | 99       |
| 74) Di-n-butylphthalate        | 18.08 | 149  | 5121124  | 44.335  | ng    | 99       |
| 75) Fluoranthene               | 19.18 | 202  | 5215078  | 45.711  | ng    | 98       |
| 77) Benzidine                  | 19.39 | 184  | 6291564  | 134.401 | ng    | 99       |
| 78) Pyrene                     | 19.54 | 202  | 5340649  | 44.240  | ng    | 99       |
| 80) Butylbenzylphthalate       | 20.45 | 149  | 2540892  | 46.184  | ng    | 97       |
| 81) Benzo(a)anthracene         | 21.30 | 228  | 5468983  | 45.138  | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine     | 21.24 | 252  | 2169999  | 45.317  | ng    | 100      |
| 83) Chrysene                   | 21.35 | 228  | 5065855  | 43.621  | ng    | 100      |
| 84) Bis(2-ethylhexyl)phthalate | 21.22 | 149  | 3657016  | 45.416  | ng    | 100      |
| 85) Di-n-octyl phthalate       | 22.10 | 149  | 6378069  | 47.128  | ng    | 100      |
| 86) Indeno(1,2,3-cd)pyrene     | 25.87 | 276  | 5643283  | 42.089  | ng    | 100      |
| 88) Benzo(b)fluoranthene       | 22.89 | 252  | 5571333  | 47.691  | ng    | 99       |
| 89) Benzo(k)fluoranthene       | 22.94 | 252  | 5219753  | 44.881  | ng    | 100      |
| 90) Benzo(a)pyrene             | 23.47 | 252  | 5173765  | 46.751  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene     | 25.88 | 278  | 4822202  | 43.981  | ng    | 98       |
| 92) Benzo(g,h,i)perylene       | 26.57 | 276  | 4412614  | 43.229  | ng    | 99       |

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



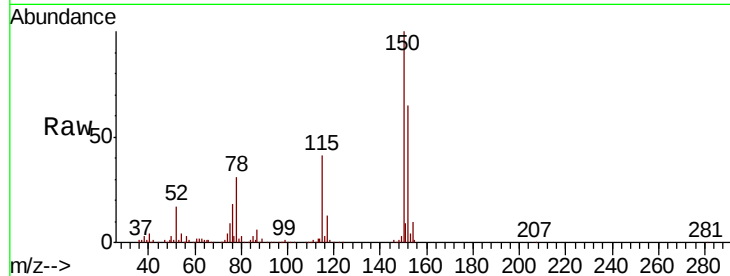


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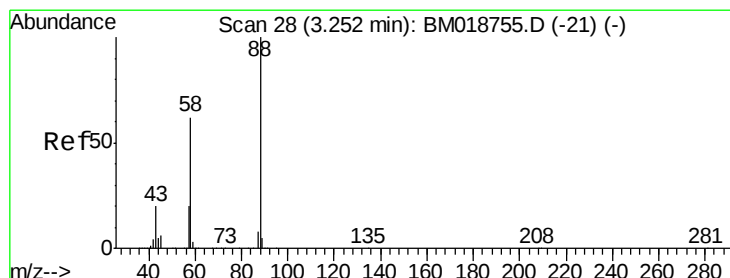
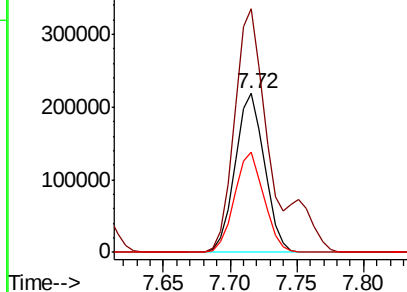
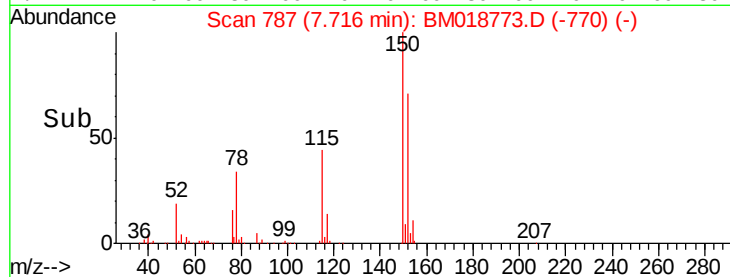
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.72 min Scan# 787  
 Delta R.T. -0.00 min  
 Lab File: BM018773.D  
 Acq: 12 Feb 2019 15:22

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB117038BSD

Tgt Ion:152 Resp: 335186  
 Ion Ratio Lower Upper  
 152 100  
 150 153.2 127.3 190.9  
 115 62.8 50.8 76.2



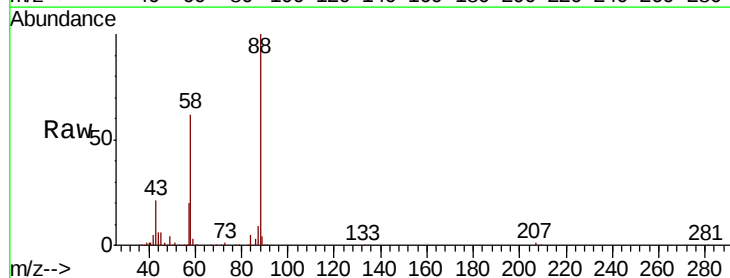
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



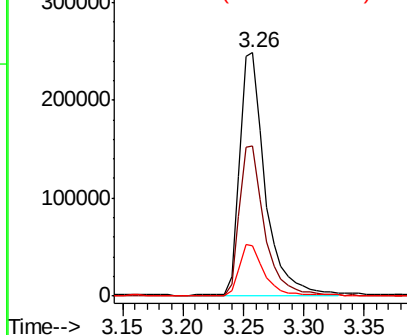
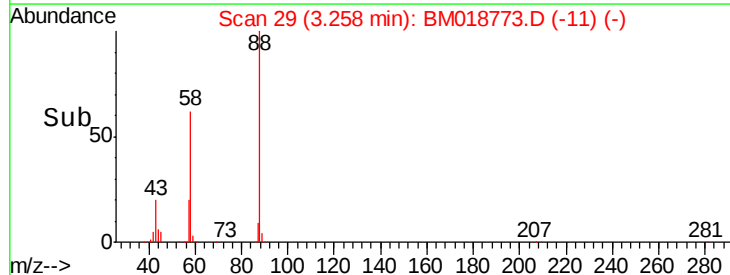
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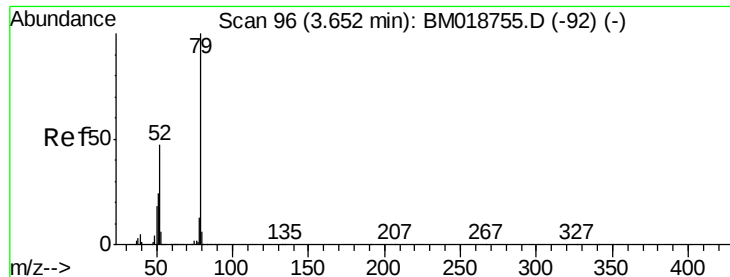
1,4-Dioxane  
 Concen: 40.942 ng  
 RT: 3.26 min Scan# 29  
 Delta R.T. 0.01 min  
 Lab File: BM018773.D  
 Acq: 12 Feb 2019 15:22

Tgt Ion: 88 Resp: 364797  
 Ion Ratio Lower Upper  
 88 100  
 58 61.6 49.8 74.6  
 43 20.9 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: 45.736 ng

RT: 3.66 min Scan# 97

Delta R.T. 0.01 min

Lab File: BM018773.D

Acq: 12 Feb 2019 15:22

Instrument :

BNA\_M

ClientSampleId :

PB117038BSD

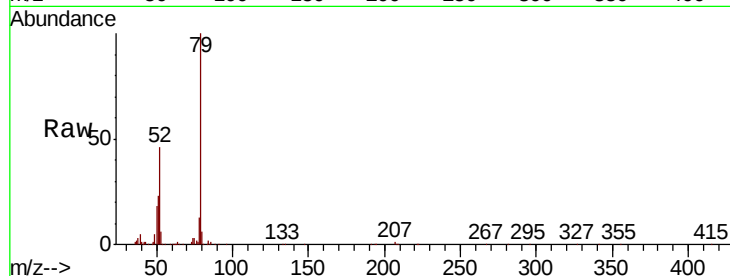
Tgt Ion: 79 Resp: 1111562

Ion Ratio Lower Upper

79 100

52 45.7 37.6 56.4

51 23.3 19.7 29.5



Abundance Ion 79.00 (78.70 to 79.70): BM018755.D (-92) (-)

Ion 52.00 (51.70 to 52.70): BM018755.D (-92) (-)

Ion 51.00 (50.70 to 51.70): BM018755.D (-92) (-)

600000

400000

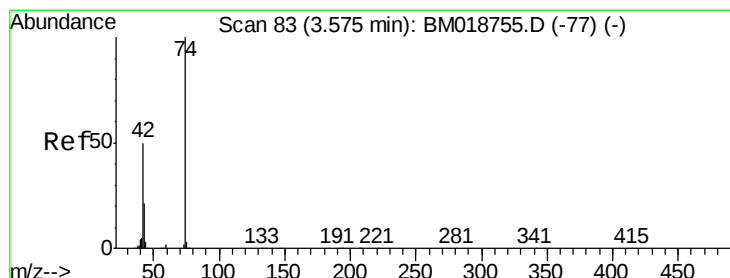
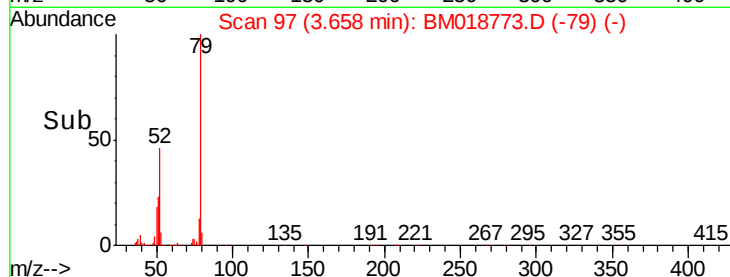
200000

0

3.66

3.60 3.70 3.80 3.90

Time-->



#4

n-Nitrosodimethylamine

Concen: 48.945 ng

RT: 3.58 min Scan# 83

Delta R.T. -0.00 min

Lab File: BM018773.D

Acq: 12 Feb 2019 15:22

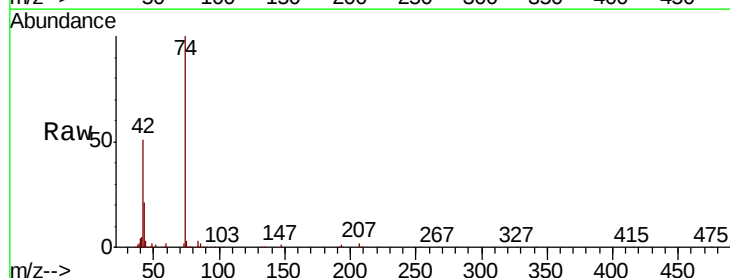
Tgt Ion: 42 Resp: 302618

Ion Ratio Lower Upper

42 100

74 197.5 158.1 237.1

44 6.4 4.9 7.3



Abundance Ion 42.00 (41.70 to 42.70): BM018755.D (-77) (-)

Ion 74.00 (73.70 to 74.70): BM018755.D (-77) (-)

Ion 44.00 (43.70 to 44.70): BM018755.D (-77) (-)

400000

300000

200000

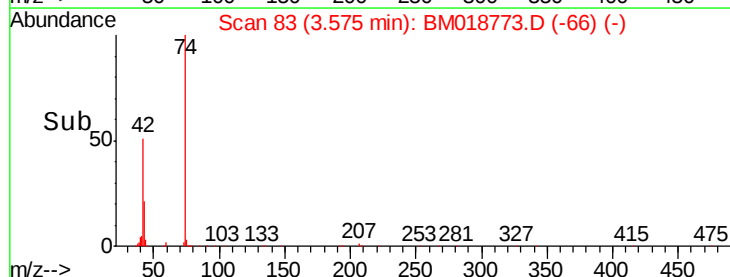
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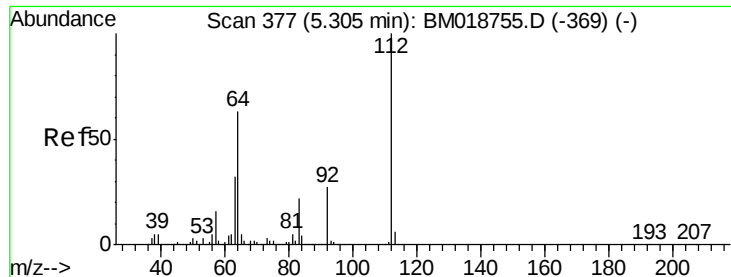
0

3.58

3.50 3.60 3.70

Time-->





#5

2-Fluorophenol

Concen: 142.897 ng

RT: 5.30 min Scan# 377

Delta R.T. -0.00 min

Lab File: BM018773.D

Acq: 12 Feb 2019 15:22

Instrument :

BNA\_M

ClientSampleId :

PB117038BSD

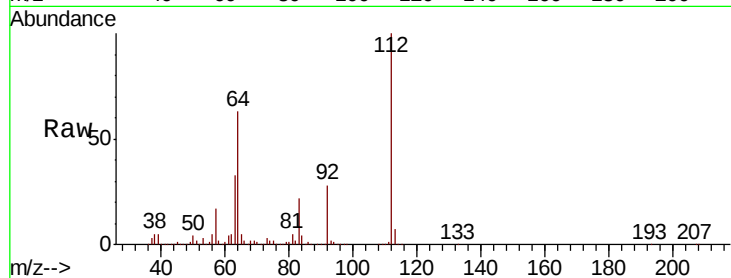
Tgt Ion:112 Resp: 2923263

Ion Ratio Lower Upper

112 100

64 63.3 50.6 75.8

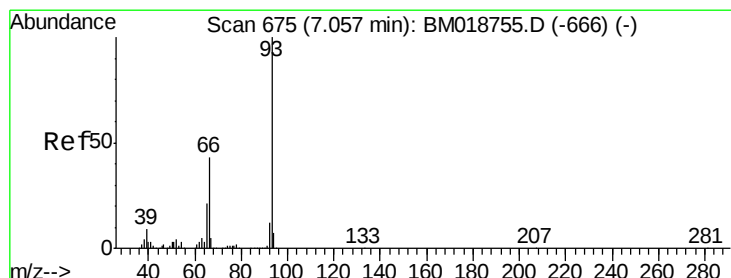
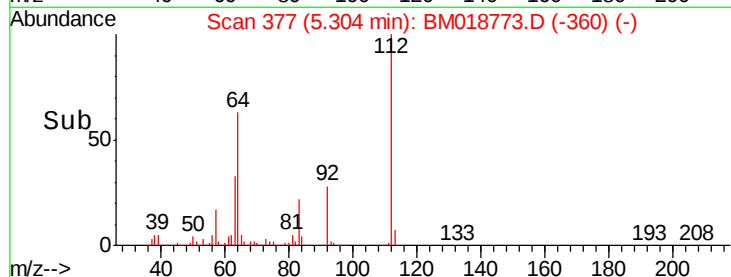
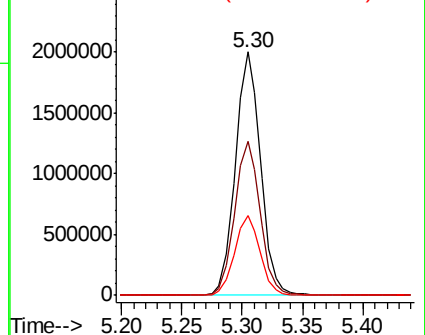
63 32.6 25.7 38.5



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0



#6

Aniline

Concen: 44.891 ng

RT: 7.06 min Scan# 676

Delta R.T. 0.01 min

Lab File: BM018773.D

Acq: 12 Feb 2019 15:22

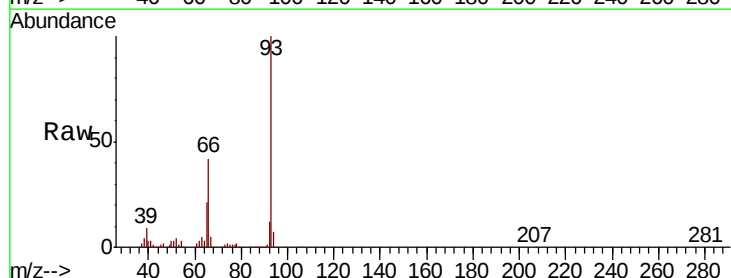
Tgt Ion: 93 Resp: 1585140

Ion Ratio Lower Upper

93 100

66 41.9 34.1 51.1

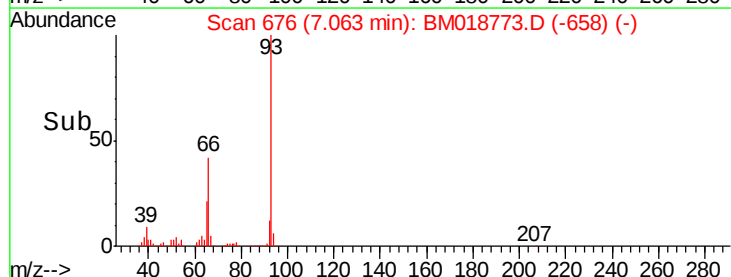
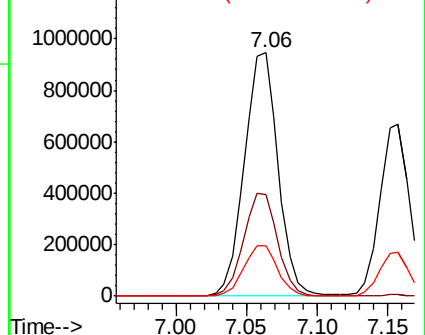
65 20.7 16.6 24.8



Abundance Ion 93.00 (92.70 to 93.70): BM0

Ion 66.00 (65.70 to 66.70): BM0

Ion 65.00 (64.70 to 65.70): BM0





#7

Phenol-d6

Concen: 143.856 ng

RT: 6.89 min Scan# 647

Delta R.T. 0.01 min

Lab File: BM018773.D

Acq: 12 Feb 2019 15:22

Instrument :

BNA\_M

ClientSampleId :

PB117038BSD

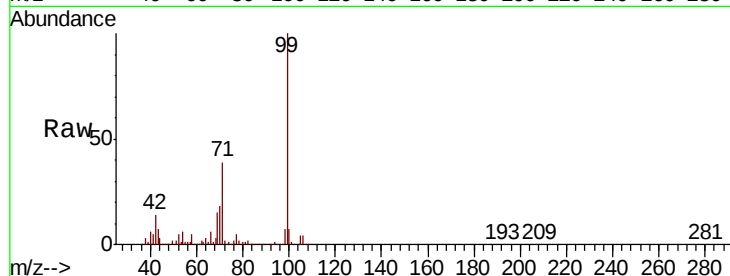
Tgt Ion: 99 Resp: 4145813

Ion Ratio Lower Upper

99 100

42 13.8 11.0 16.6

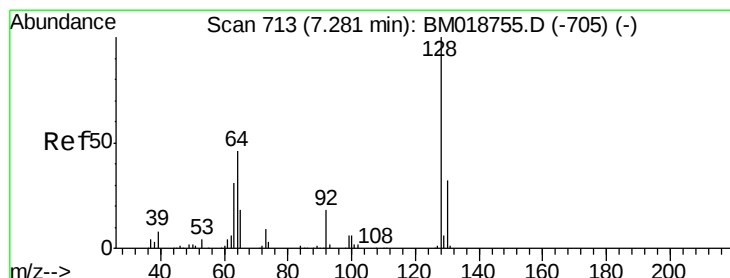
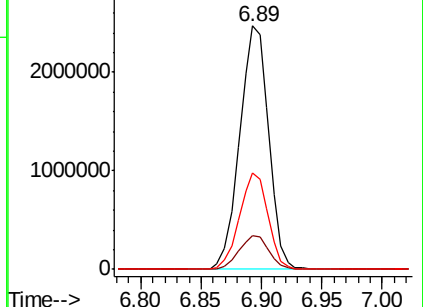
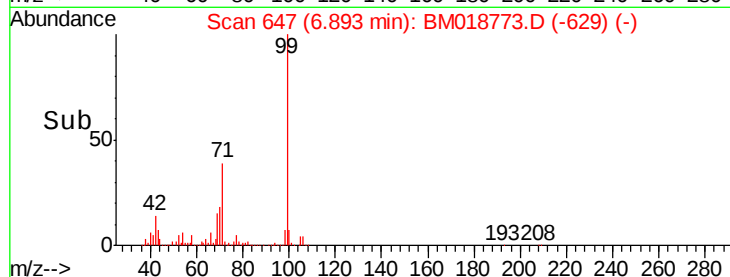
71 39.4 31.3 46.9



Abundance Ion 99.00 (98.70 to 99.70): BM018773.D (-629) (-)

Ion 42.00 (41.70 to 42.70): BM018773.D (-629) (-)

Ion 71.00 (70.70 to 71.70): BM018773.D (-629) (-)



#8

2-Chlorophenol

Concen: 42.701 ng

RT: 7.28 min Scan# 713

Delta R.T. -0.00 min

Lab File: BM018773.D

Acq: 12 Feb 2019 15:22

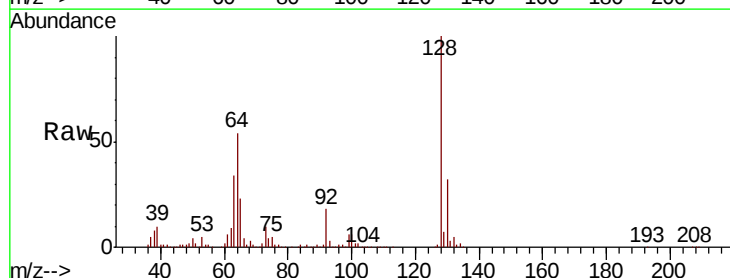
Tgt Ion: 128 Resp: 959076

Ion Ratio Lower Upper

128 100

130 32.1 11.7 51.7

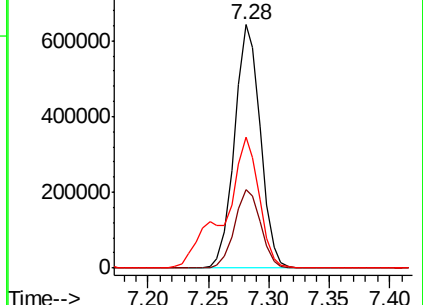
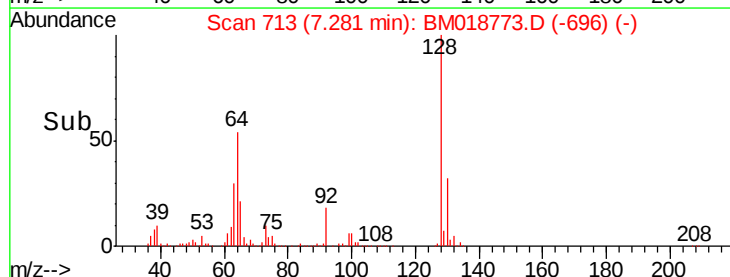
64 54.0 31.0 71.0

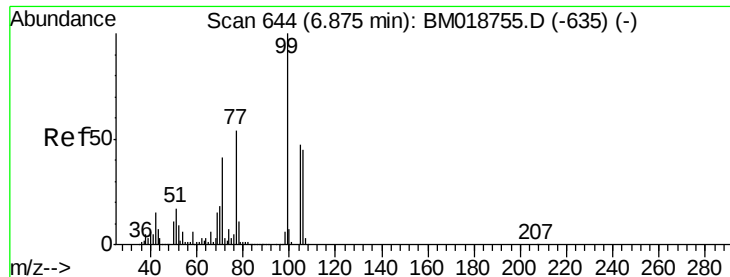


Abundance Ion 128.00 (127.70 to 128.70): BM018773.D (-696) (-)

Ion 130.00 (129.70 to 130.70): BM018773.D (-696) (-)

Ion 64.00 (63.70 to 64.70): BM018773.D (-696) (-)





#9

Benzaldehyde

Concen: 63.716 ng

RT: 6.87 min Scan# 644

Delta R.T. -0.00 min

Lab File: BM018773.D

Acq: 12 Feb 2019 15:22

Instrument :

BNA\_M

ClientSampleId :

PB117038BSD

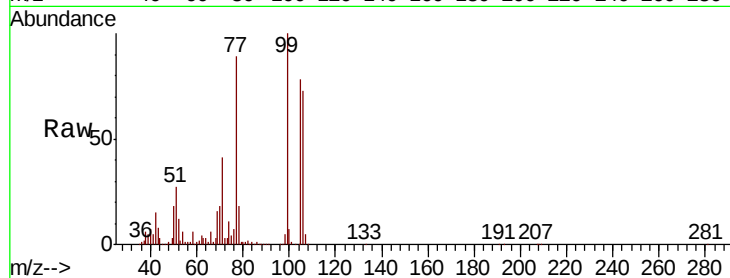
Tgt Ion: 77 Resp: 859466

Ion Ratio Lower Upper

77 100

105 87.5 67.3 107.3

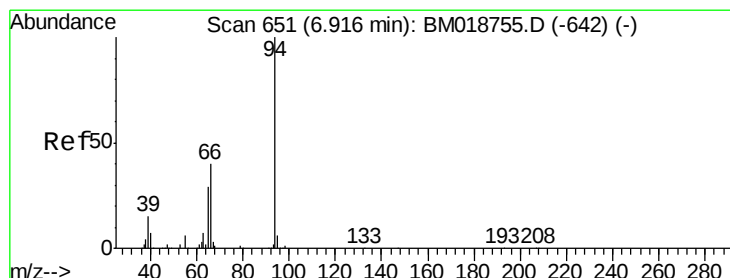
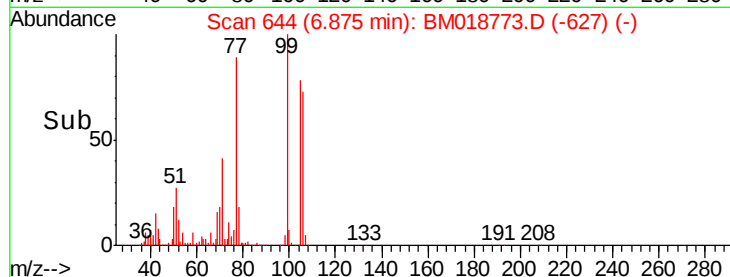
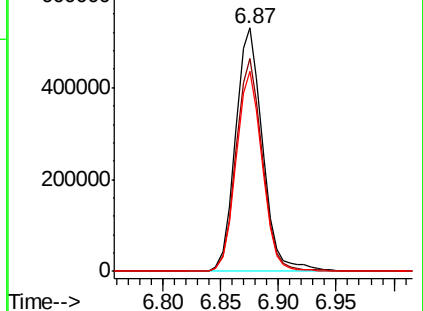
106 82.1 62.9 102.9



Abundance Ion 77.00 (76.70 to 77.70): BM018773.D (-627) (-)

Ion 105.00 (104.70 to 105.70): BM018773.D (-627) (-)

Ion 106.00 (105.70 to 106.70): BM018773.D (-627) (-)



#10

Phenol

Concen: 43.253 ng

RT: 6.92 min Scan# 652

Delta R.T. 0.01 min

Lab File: BM018773.D

Acq: 12 Feb 2019 15:22

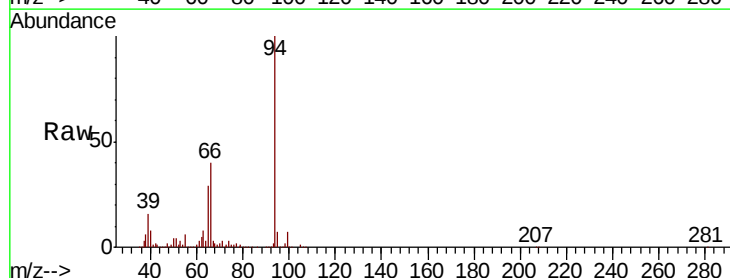
Tgt Ion: 94 Resp: 1311574

Ion Ratio Lower Upper

94 100

65 29.5 9.6 49.6

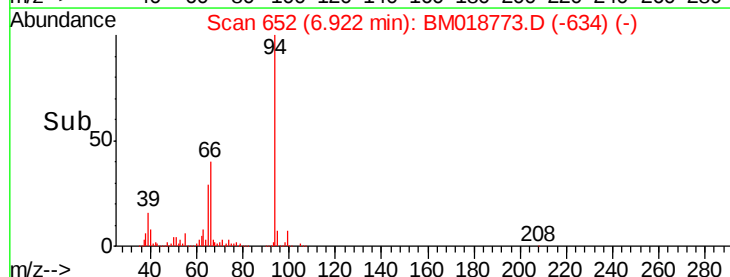
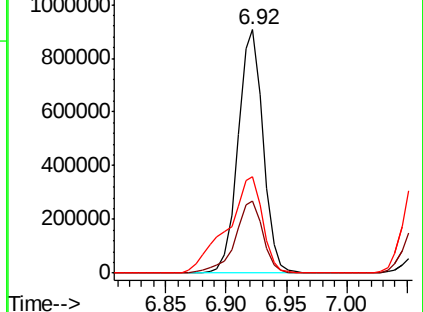
66 39.6 20.4 60.4

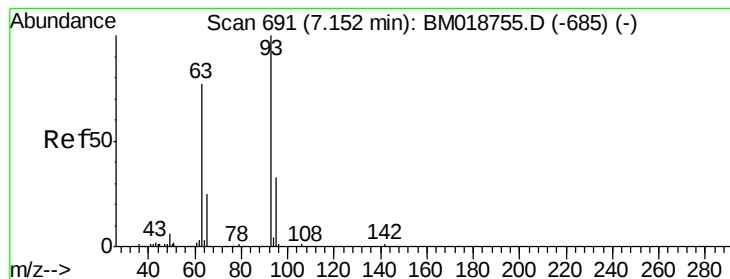


Abundance Ion 94.00 (93.70 to 94.70): BM018773.D (-634) (-)

Ion 65.00 (64.70 to 65.70): BM018773.D (-634) (-)

Ion 66.00 (65.70 to 66.70): BM018773.D (-634) (-)





#11

bis(2-Chloroethyl)ether

Concen: 42.071 ng

RT: 7.16 min Scan# 692

Delta R.T. 0.01 min

Lab File: BM018773.D

Acq: 12 Feb 2019 15:22

Instrument :

BNA\_M

ClientSampleId :

PB117038BSD

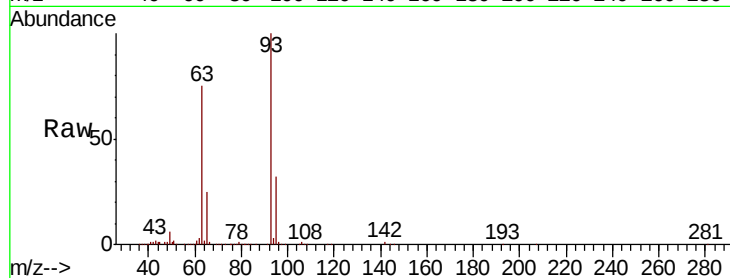
Tgt Ion: 93 Resp: 973150

Ion Ratio Lower Upper

93 100

63 74.6 57.0 97.0

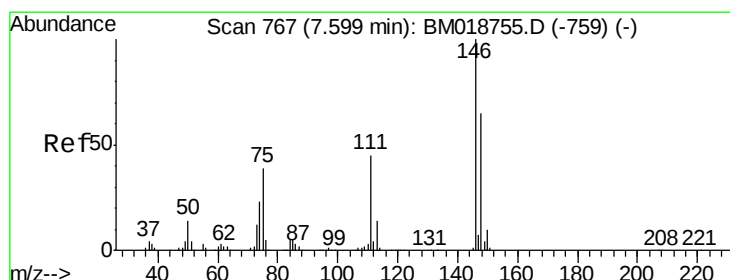
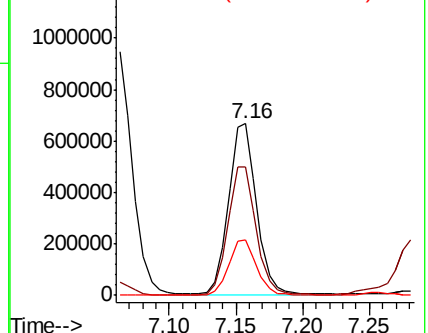
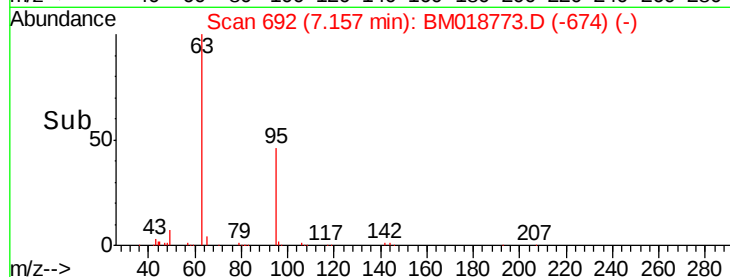
95 32.2 12.4 52.4



Abundance Ion 93.00 (92.70 to 93.70): BM018755.D (-685) (-)

Ion 63.00 (62.70 to 63.70): BM018755.D (-685) (-)

Ion 95.00 (94.70 to 95.70): BM018755.D (-685) (-)



#12

1,3-Dichlorobenzene

Concen: 41.204 ng

RT: 7.60 min Scan# 767

Delta R.T. -0.00 min

Lab File: BM018773.D

Acq: 12 Feb 2019 15:22

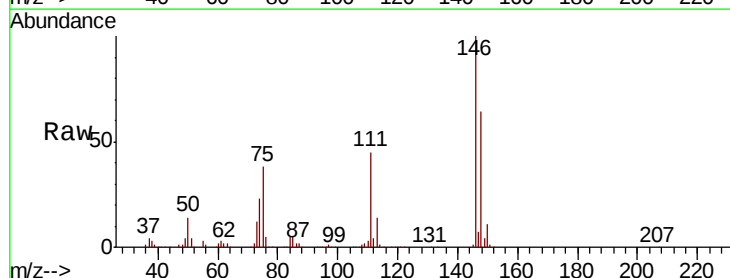
Tgt Ion: 146 Resp: 1040613

Ion Ratio Lower Upper

146 100

148 64.2 51.7 77.5

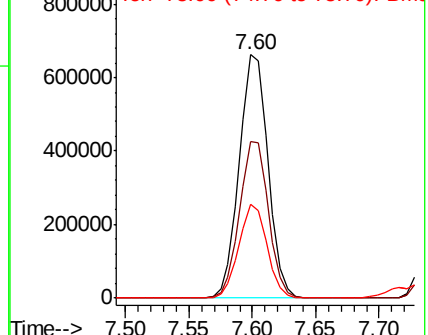
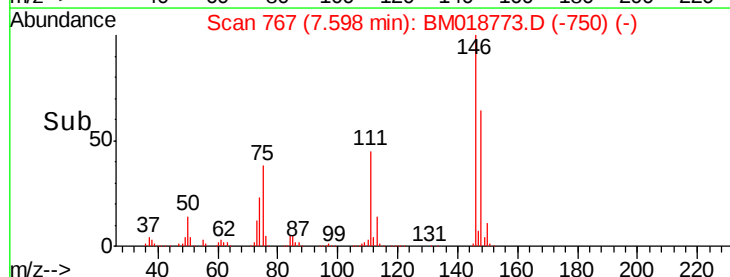
75 38.4 31.3 46.9

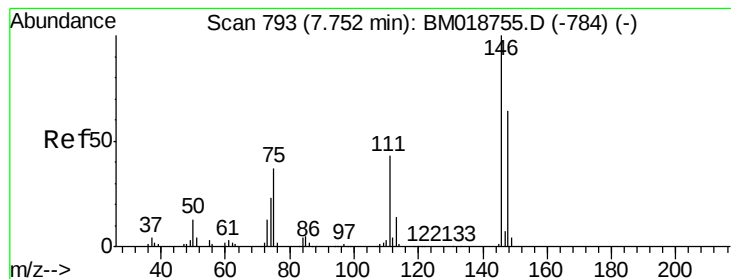


Abundance Ion 146.00 (145.70 to 146.70): BM018755.D (-759) (-)

Ion 148.00 (147.70 to 148.70): BM018755.D (-759) (-)

Ion 75.00 (74.70 to 75.70): BM018755.D (-759) (-)





#13

1,4-Dichlorobenzene

Concen: 41.071 ng

RT: 7.75 min Scan# 793

Delta R.T. -0.00 min

Lab File: BM018773.D

Acq: 12 Feb 2019 15:22

Instrument :

BNA\_M

ClientSampleId :

PB117038BSD

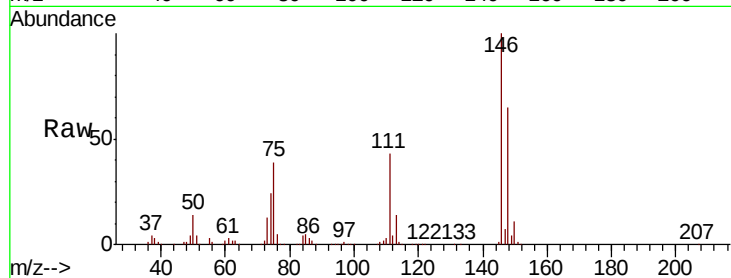
Tgt Ion:146 Resp: 1055993

Ion Ratio Lower Upper

146 100

148 64.9 51.4 77.2

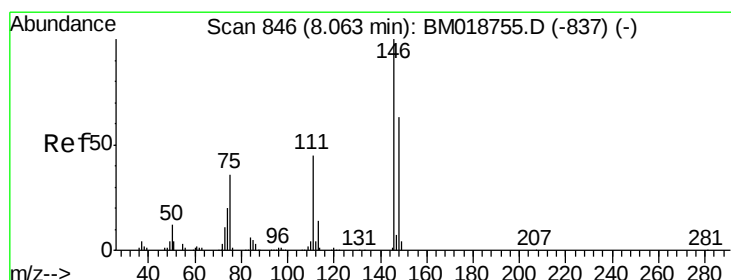
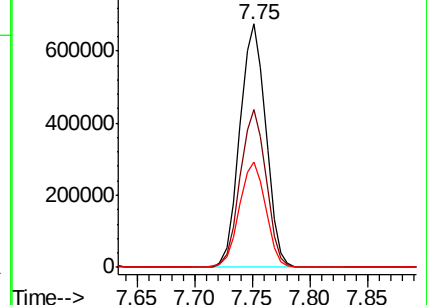
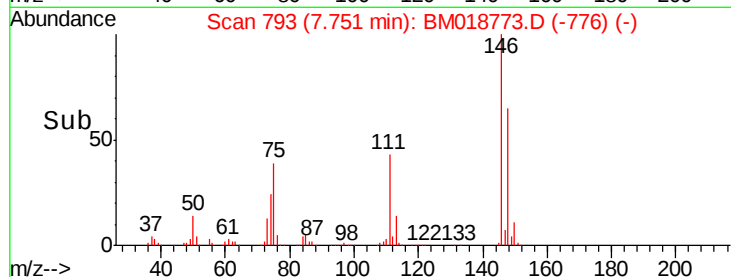
111 43.2 34.6 52.0



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 41.318 ng

RT: 8.06 min Scan# 846

Delta R.T. -0.00 min

Lab File: BM018773.D

Acq: 12 Feb 2019 15:22

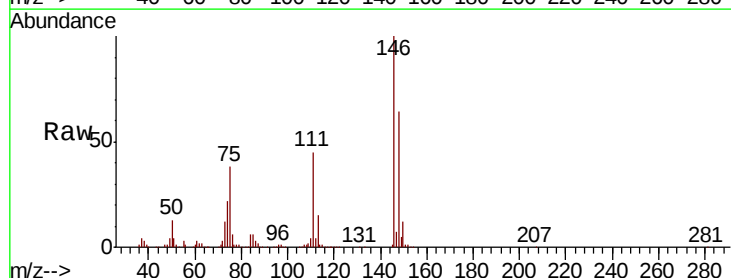
Tgt Ion:146 Resp: 1020427

Ion Ratio Lower Upper

146 100

148 64.1 50.7 76.1

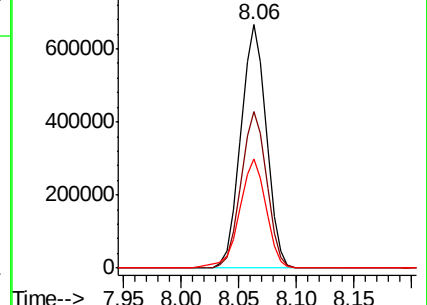
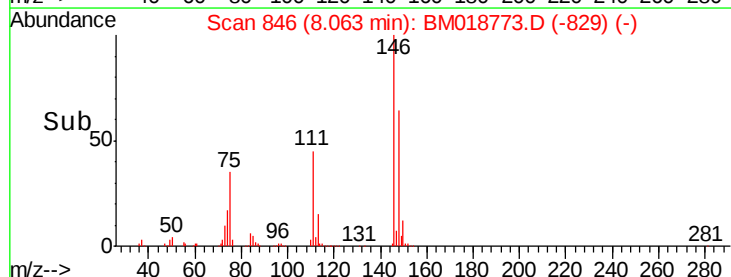
111 44.6 35.9 53.9

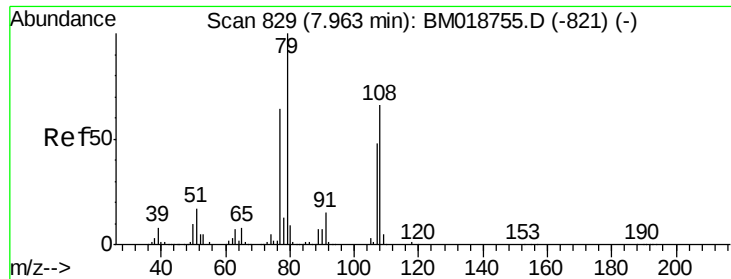


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 43.165 ng

RT: 7.96 min Scan# 829

Delta R.T. -0.00 min

Lab File: BM018773.D

Acq: 12 Feb 2019 15:22

Instrument :

BNA\_M

ClientSampleId :

PB117038BSD

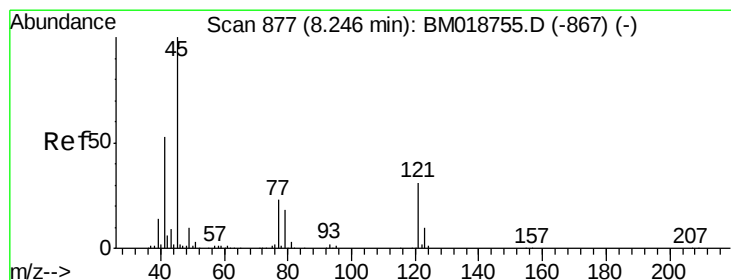
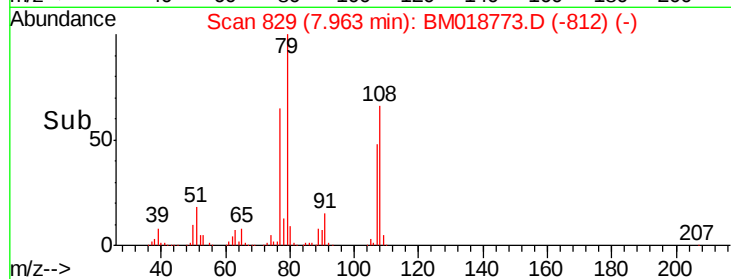
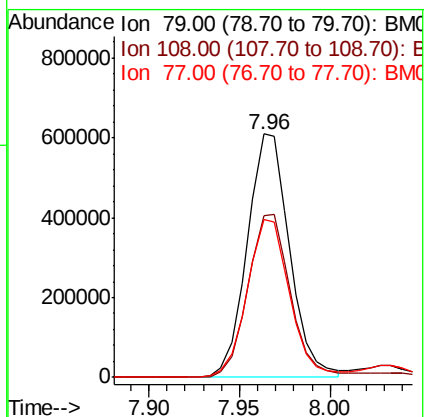
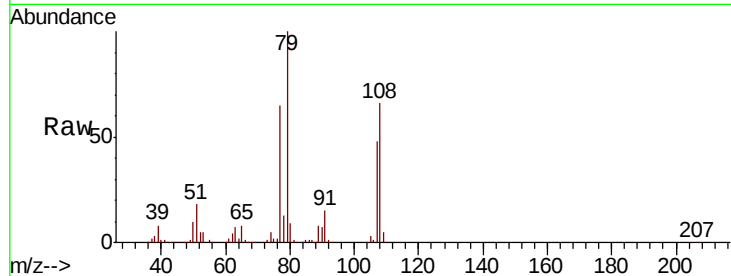
Tgt Ion: 79 Resp: 988456

Ion Ratio Lower Upper

79 100

108 66.4 52.7 79.1

77 65.0 51.0 76.4



#16

2,2'-oxybis(1-chloropropane)

Concen: 40.894 ng

RT: 8.23 min Scan# 875

Delta R.T. -0.01 min

Lab File: BM018773.D

Acq: 12 Feb 2019 15:22

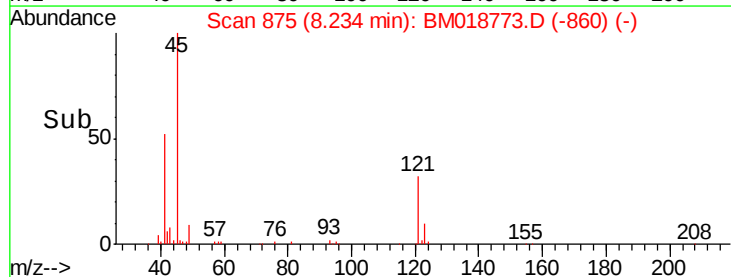
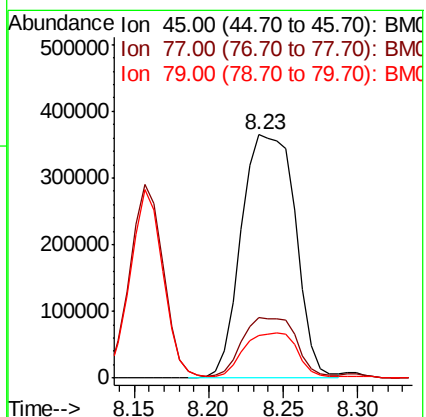
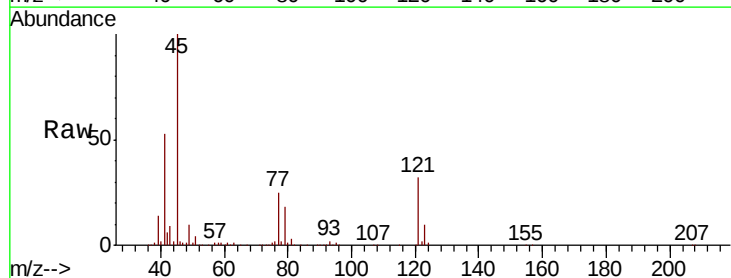
Tgt Ion: 45 Resp: 915538

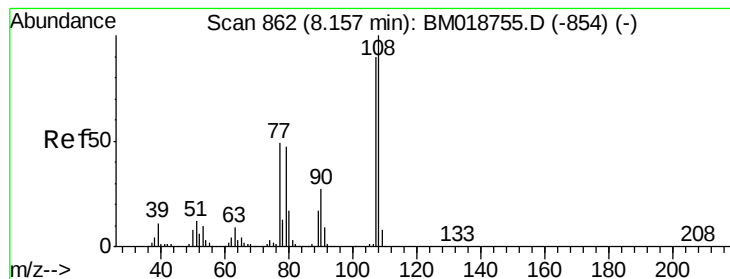
Ion Ratio Lower Upper

45 100

77 24.6 5.0 45.0

79 17.7 0.0 39.3





#17

2-Methylphenol

Concen: 43.104 ng

RT: 8.16 min Scan# 862

Delta R.T. -0.00 min

Lab File: BM018773.D

Acq: 12 Feb 2019 15:22

Instrument :

BNA\_M

ClientSampleId :

PB117038BSD

Tgt Ion:107 Resp: 831904

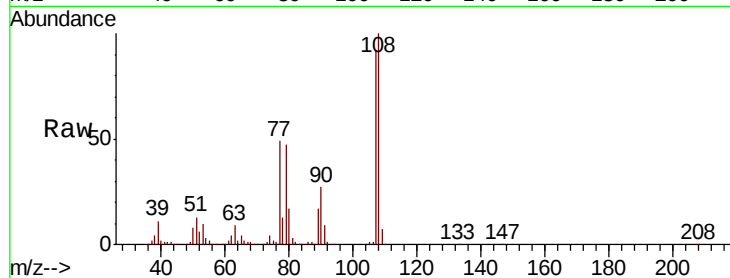
Ion Ratio Lower Upper

107 100

108 108.9 88.8 133.2

77 53.2 44.0 66.0

79 51.5 42.4 63.6



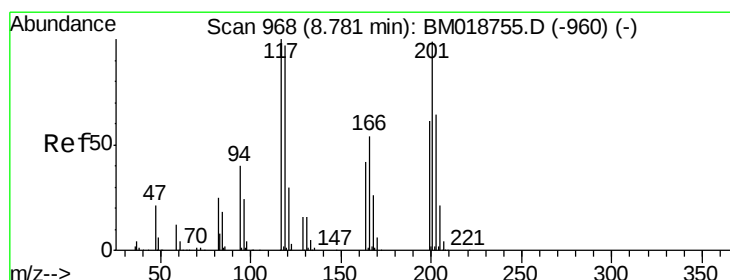
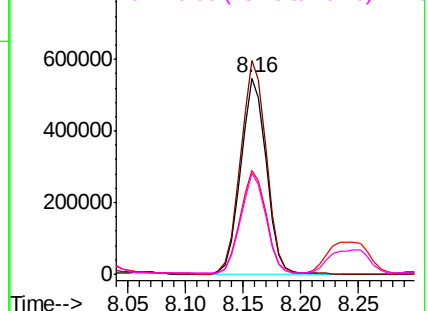
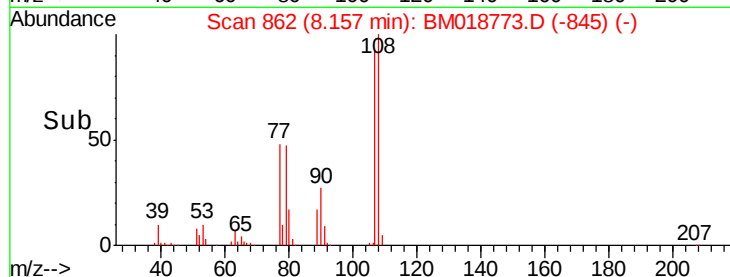
Abundance

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): BM0

Ion 79.00 (78.70 to 79.70): BM0



#18

Hexachloroethane

Concen: 42.138 ng

RT: 8.78 min Scan# 968

Delta R.T. -0.00 min

Lab File: BM018773.D

Acq: 12 Feb 2019 15:22

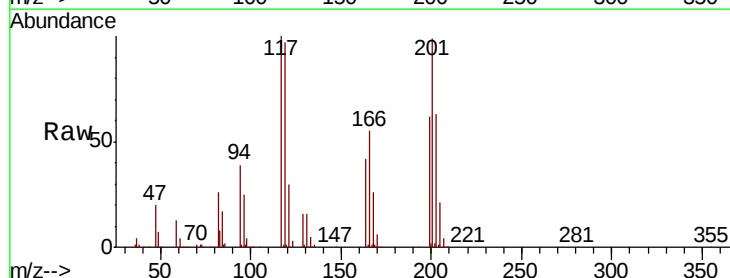
Tgt Ion:117 Resp: 395492

Ion Ratio Lower Upper

117 100

119 96.6 77.9 116.9

201 98.8 79.2 118.8

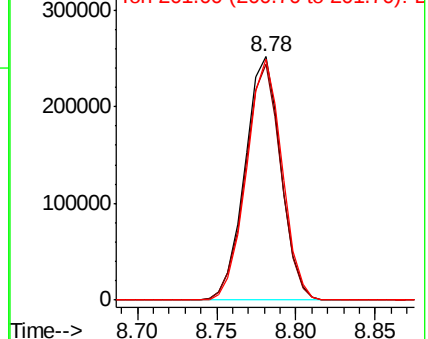
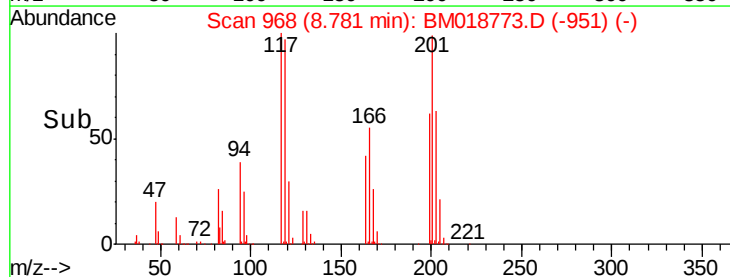


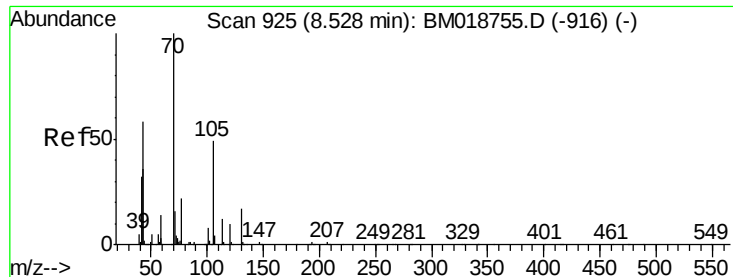
Abundance

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

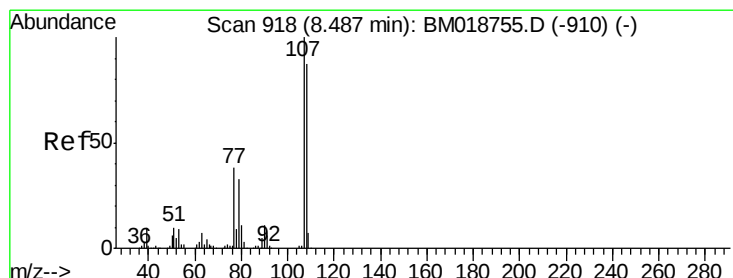
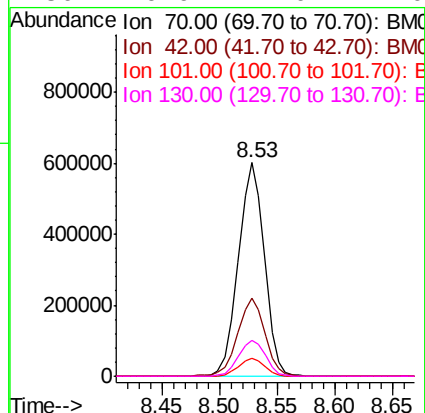
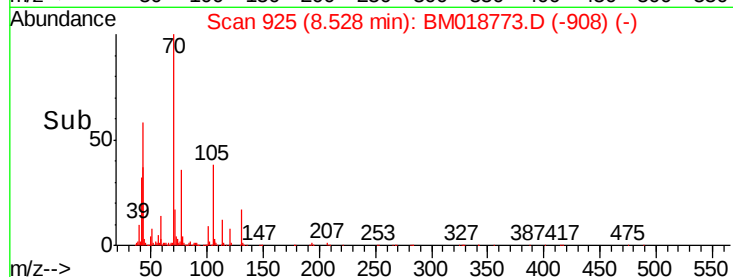
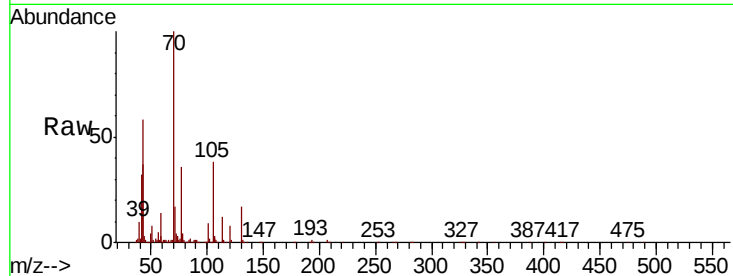




#19  
n-Nitroso-di-n-propylamine  
Concen: 42.019 ng  
RT: 8.53 min Scan# 925  
Delta R.T. -0.00 min  
Lab File: BM018773.D  
Acq: 12 Feb 2019 15:22

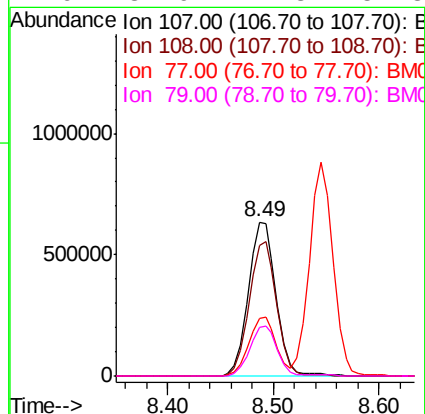
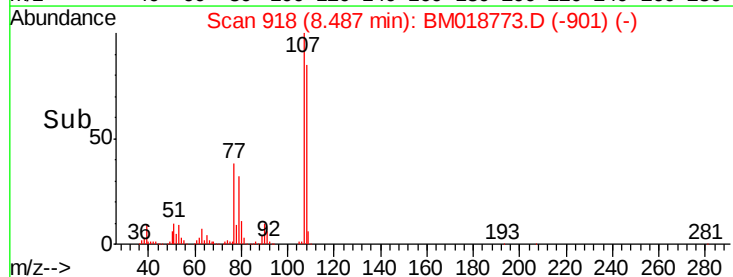
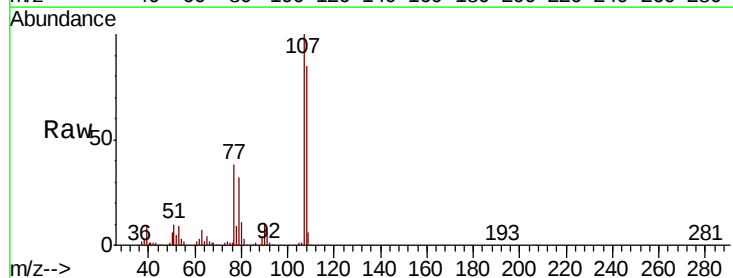
Instrument :  
BNA\_M  
ClientSampleId :  
PB117038BSD

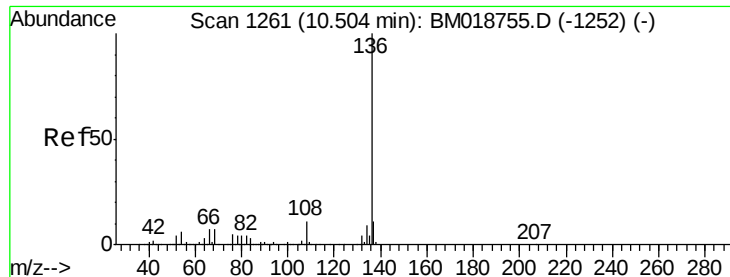
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 70    | Resp: | 937605 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 36.7  | 29.4  | 44.0   |
| 101      | 8.6   | 6.7   | 10.1   |
| 130      | 16.9  | 14.0  | 21.0   |



#20  
3+4-Methylphenols  
Concen: 43.174 ng  
RT: 8.49 min Scan# 918  
Delta R.T. -0.00 min  
Lab File: BM018773.D  
Acq: 12 Feb 2019 15:22

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 107   | Resp: | 1150617 |
| Ion      | Ratio | Lower | Upper   |
| 107      | 100   |       |         |
| 108      | 84.9  | 67.3  | 107.3   |
| 77       | 37.8  | 18.0  | 58.0    |
| 79       | 31.9  | 12.8  | 52.8    |

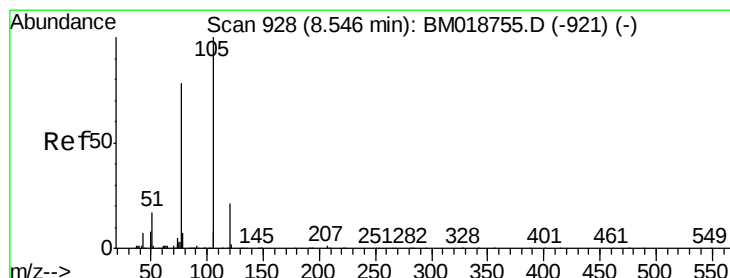
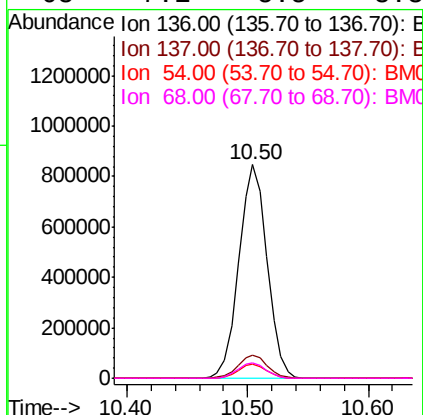
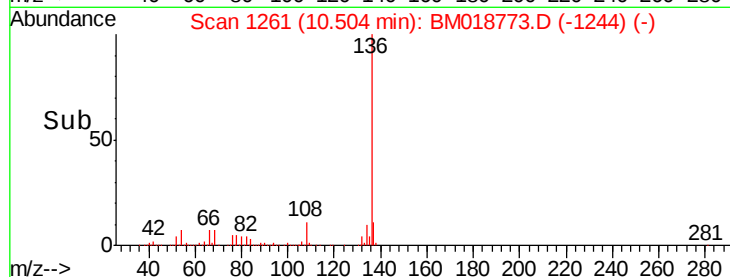
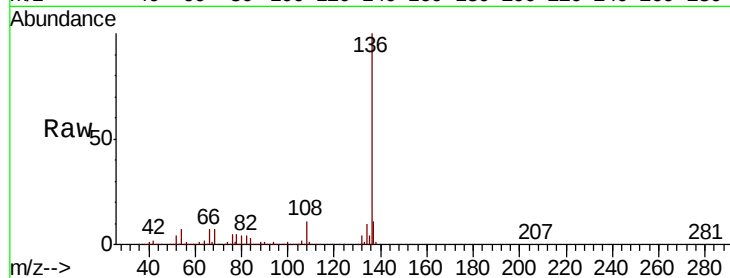




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.50 min Scan# 1261  
Delta R.T. -0.00 min  
Lab File: BM018773.D  
Acq: 12 Feb 2019 15:22

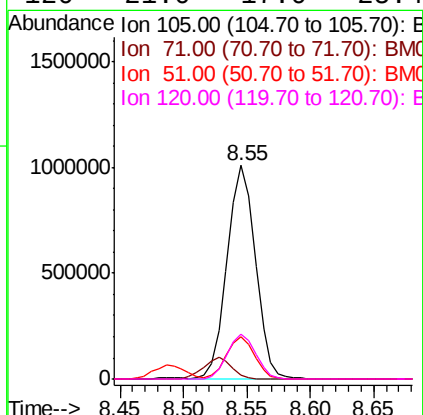
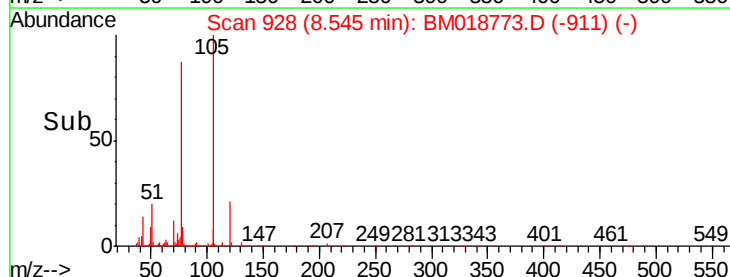
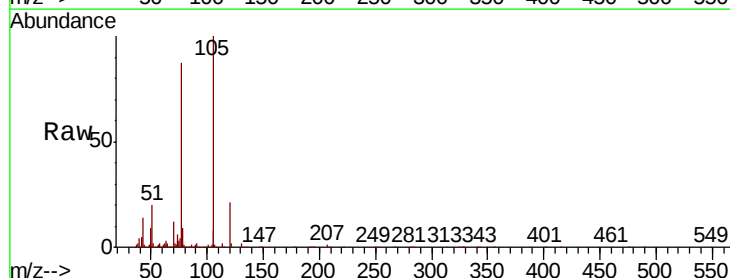
Instrument :  
BNA\_M  
ClientSampleId :  
PB117038BSD

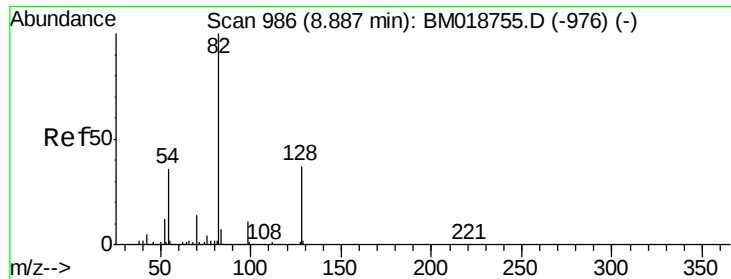
|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 136   | Resp: | 1378617 |
| Ion      | Ratio | Lower | Upper   |
| 136      | 100   |       |         |
| 137      | 11.0  | 8.8   | 13.2    |
| 54       | 6.6   | 5.0   | 7.6     |
| 68       | 7.1   | 5.5   | 8.3     |



#22  
Acetophenone  
Concen: 41.061 ng  
RT: 8.55 min Scan# 928  
Delta R.T. -0.00 min  
Lab File: BM018773.D  
Acq: 12 Feb 2019 15:22

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 105   | Resp: | 1554540 |
| Ion      | Ratio | Lower | Upper   |
| 105      | 100   |       |         |
| 71       | 1.9   | 1.1   | 1.7#    |
| 51       | 19.9  | 15.5  | 23.3    |
| 120      | 21.0  | 17.0  | 25.4    |

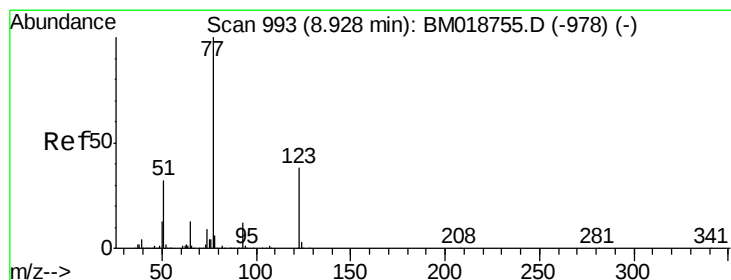
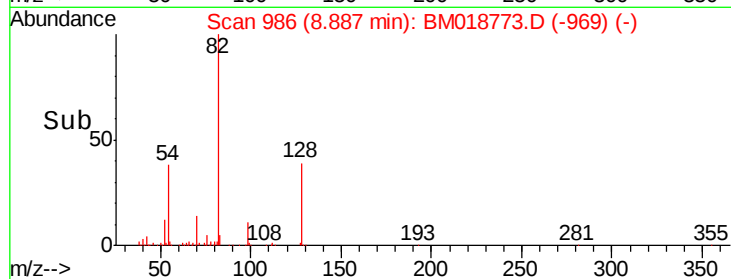
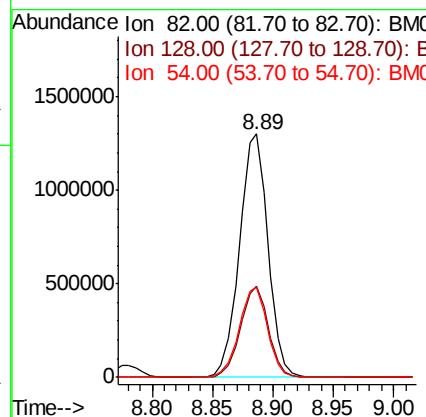
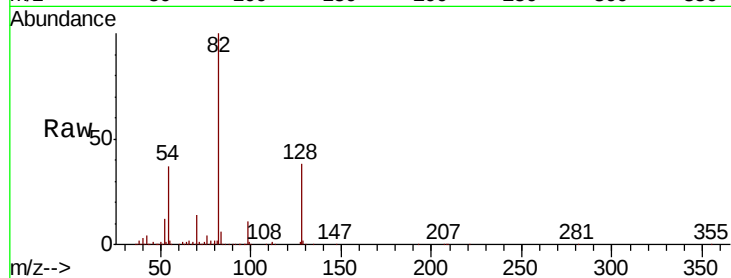




#23  
 Nitrobenzene-d5  
 Concen: 71.860 ng  
 RT: 8.89 min Scan# 986  
 Delta R.T. -0.00 min  
 Lab File: BM018773.D  
 Acq: 12 Feb 2019 15:22

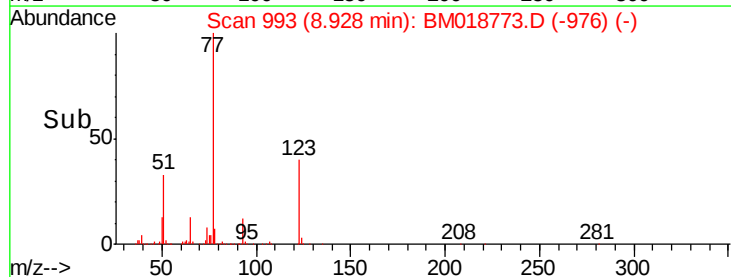
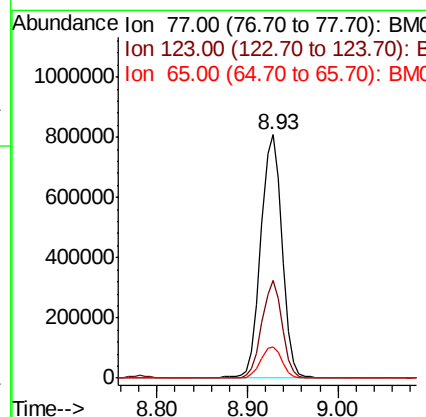
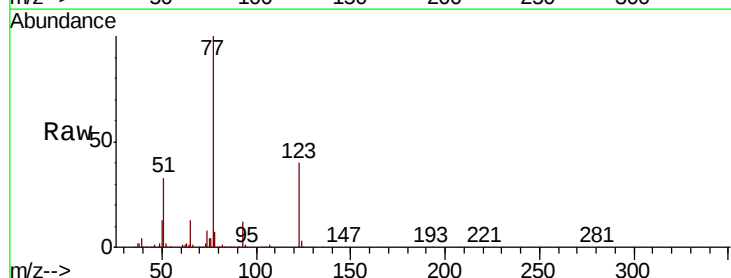
Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB117038BSD

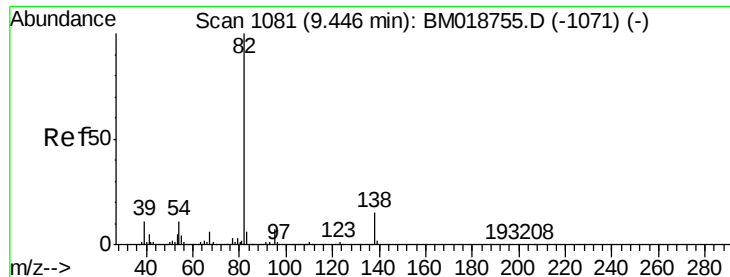
Tgt Ion: 82 Resp: 2142537  
 Ion Ratio Lower Upper  
 82 100  
 128 37.6 29.9 44.9  
 54 36.8 29.1 43.7



#24  
 Nitrobenzene  
 Concen: 42.396 ng  
 RT: 8.93 min Scan# 993  
 Delta R.T. -0.00 min  
 Lab File: BM018773.D  
 Acq: 12 Feb 2019 15:22

Tgt Ion: 77 Resp: 1312097  
 Ion Ratio Lower Upper  
 77 100  
 123 40.1 30.7 46.1  
 65 12.7 10.5 15.7





#25

Isophorone

Concen: 49.622 ng

RT: 9.45 min Scan# 1081

Delta R.T. -0.00 min

Lab File: BM018773.D

Acq: 12 Feb 2019 15:22

Instrument :

BNA\_M

ClientSampleId :

PB117038BSD

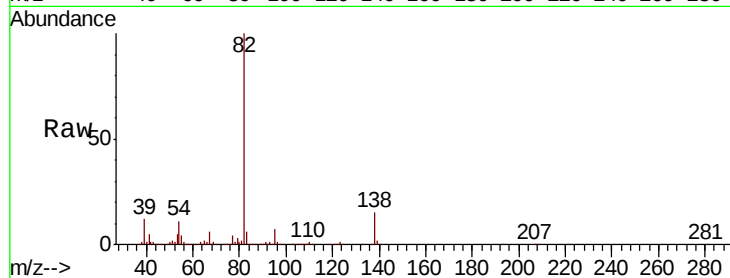
Tgt Ion: 82 Resp: 2360692

Ion Ratio Lower Upper

82 100

95 7.0 5.7 8.5

138 15.2 12.3 18.5

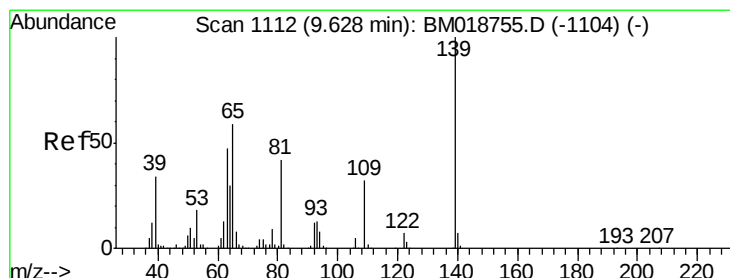
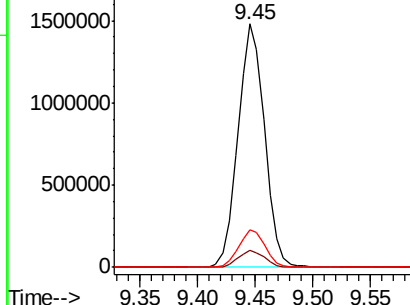
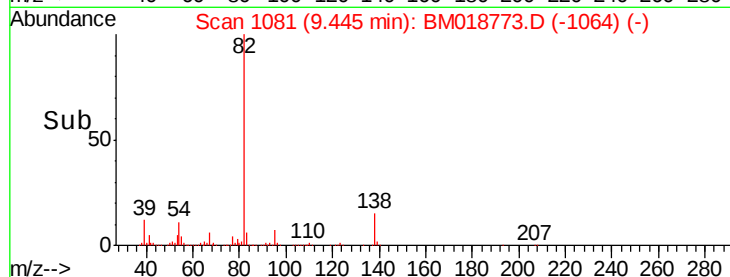


Abundance Ion 82.00 (81.70 to 82.70): BM018773.D (-1064) (-)

2000000

Ion 95.00 (94.70 to 95.70): BM018773.D (-1064) (-)

Ion 138.00 (137.70 to 138.70): BM018773.D (-1064) (-)



#26

2-Nitrophenol

Concen: 43.918 ng

RT: 9.63 min Scan# 1112

Delta R.T. -0.00 min

Lab File: BM018773.D

Acq: 12 Feb 2019 15:22

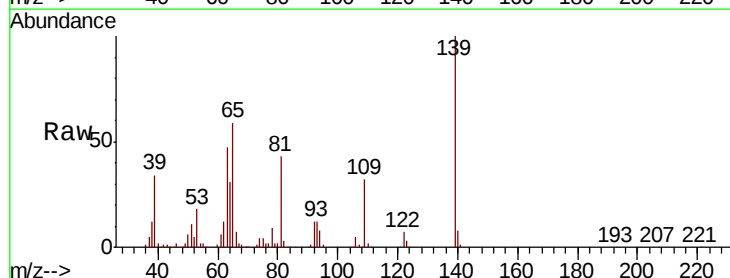
Tgt Ion: 139 Resp: 541284

Ion Ratio Lower Upper

139 100

109 32.4 25.2 37.8

65 58.9 47.0 70.4

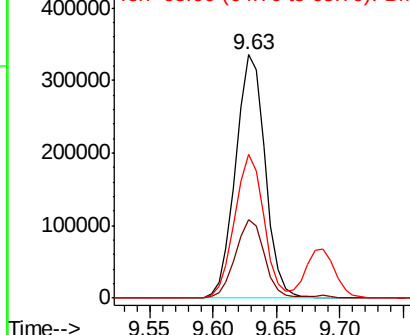
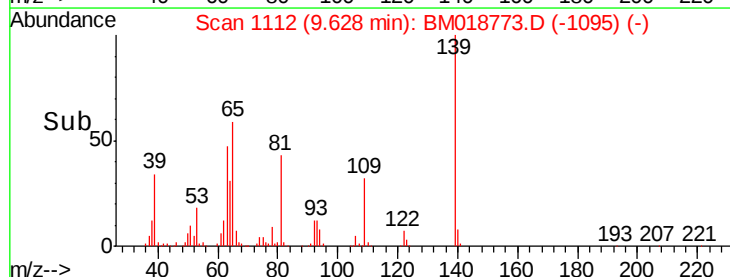


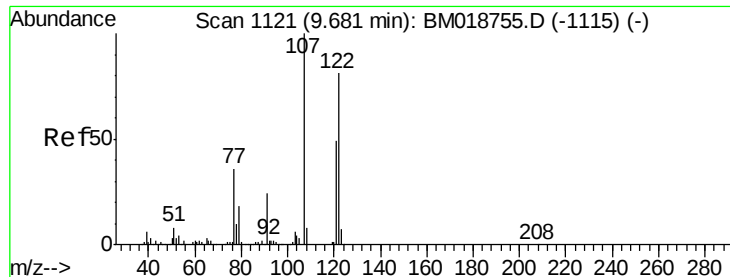
Abundance Ion 139.00 (138.70 to 139.70): BM018773.D (-1095) (-)

400000

Ion 109.00 (108.70 to 109.70): BM018773.D (-1095) (-)

Ion 65.00 (64.70 to 65.70): BM018773.D (-1095) (-)

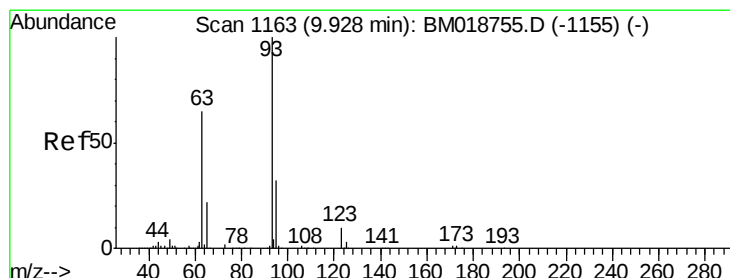
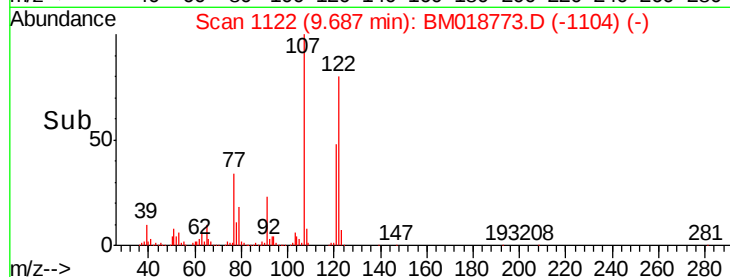
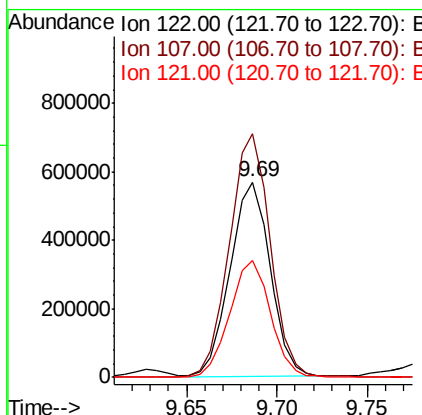
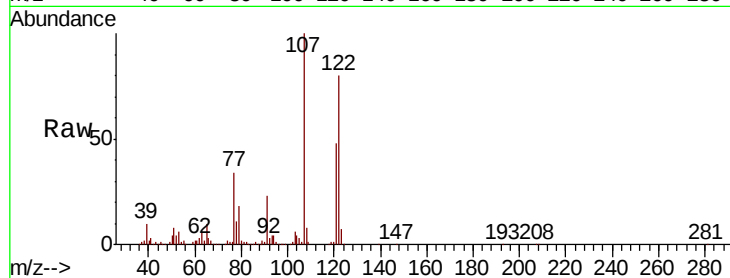




#27  
 2,4-Dimethylphenol  
 Concen: 48.617 ng  
 RT: 9.69 min Scan# 1122  
 Delta R.T. 0.01 min  
 Lab File: BM018773.D  
 Acq: 12 Feb 2019 15:22

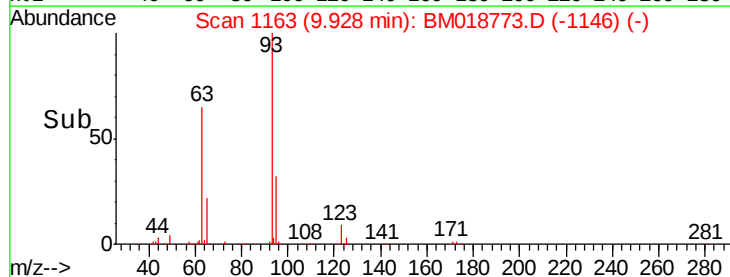
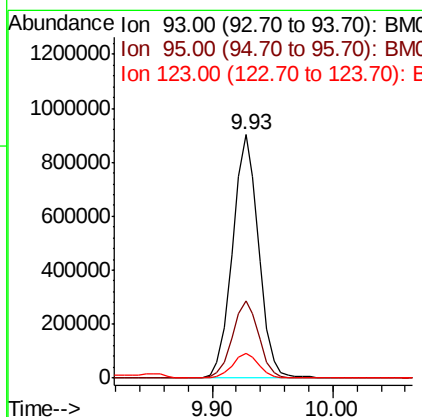
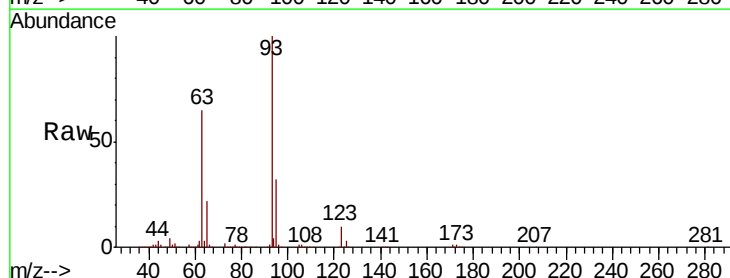
Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB117038BSD

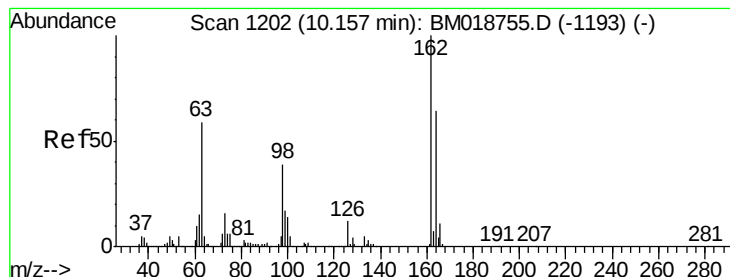
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 124.6 | 97.6  | 146.4 |
| 121     | 60.0  | 47.9  | 71.9  |



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 44.238 ng  
 RT: 9.93 min Scan# 1163  
 Delta R.T. -0.00 min  
 Lab File: BM018773.D  
 Acq: 12 Feb 2019 15:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 31.6  | 25.6  | 38.4  |
| 123     | 10.3  | 8.2   | 12.4  |





#29

2,4-Dichlorophenol

Concen: 43.791 ng

RT: 10.16 min Scan# 1202

Delta R.T. -0.00 min

Lab File: BM018773.D

Acq: 12 Feb 2019 15:22

Instrument :

BNA\_M

ClientSampleId :

PB117038BSD

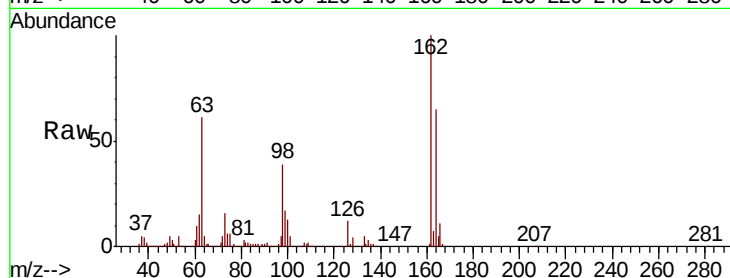
Tgt Ion:162 Resp: 905136

Ion Ratio Lower Upper

162 100

164 64.7 44.1 84.1

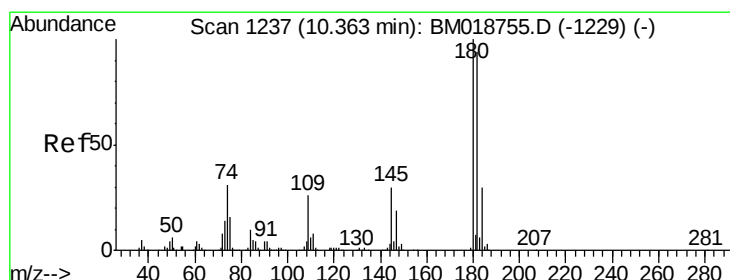
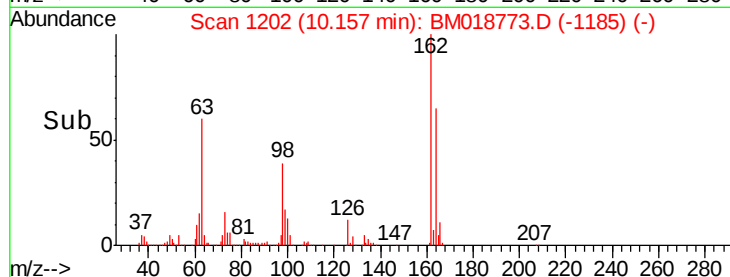
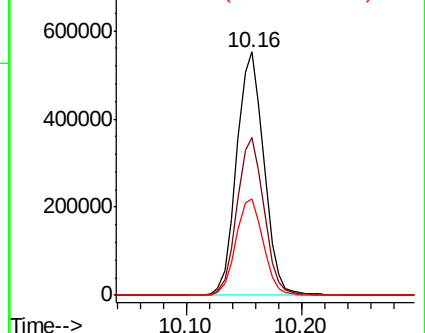
98 39.4 19.4 59.4



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BM



#30

1,2,4-Trichlorobenzene

Concen: 41.551 ng

RT: 10.36 min Scan# 1237

Delta R.T. -0.00 min

Lab File: BM018773.D

Acq: 12 Feb 2019 15:22

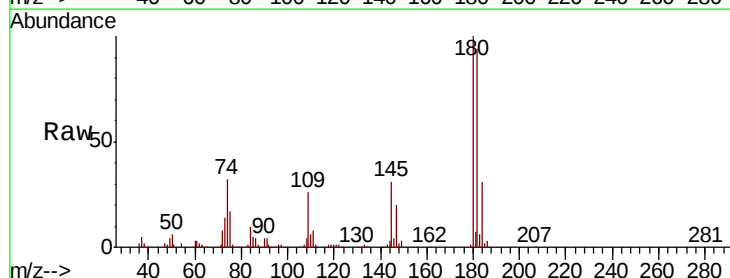
Tgt Ion:180 Resp: 991828

Ion Ratio Lower Upper

180 100

182 94.1 75.0 112.6

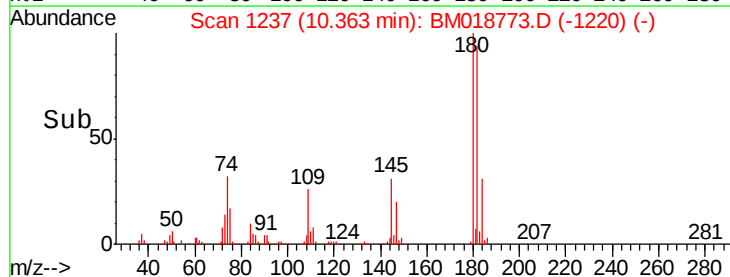
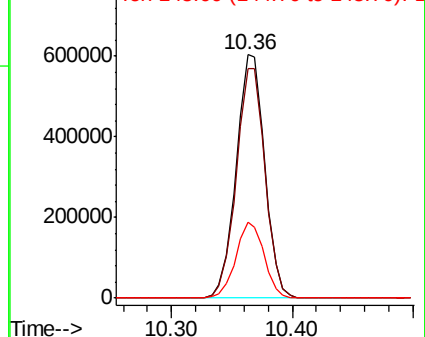
145 31.3 24.1 36.1

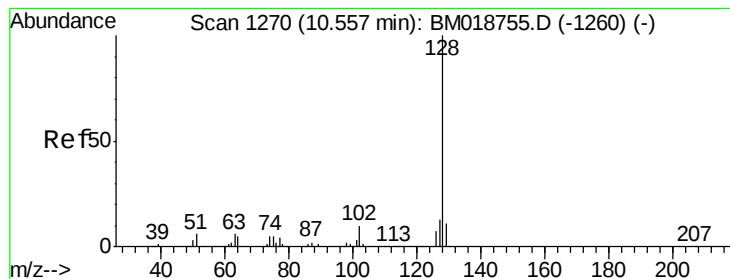


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 44.909 ng

RT: 10.56 min Scan# 1270

Delta R.T. -0.00 min

Lab File: BM018773.D

Acq: 12 Feb 2019 15:22

Instrument :

BNA\_M

ClientSampleId :

PB117038BSD

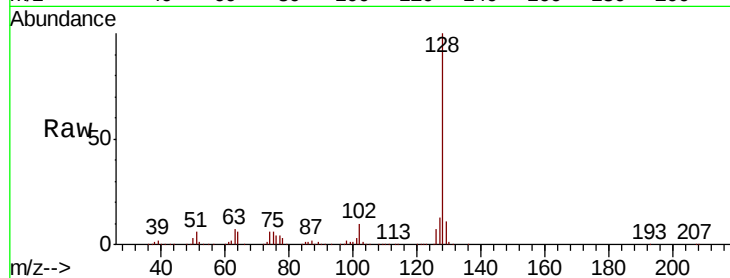
Tgt Ion:128 Resp: 3019495

Ion Ratio Lower Upper

128 100

129 10.7 9.0 13.4

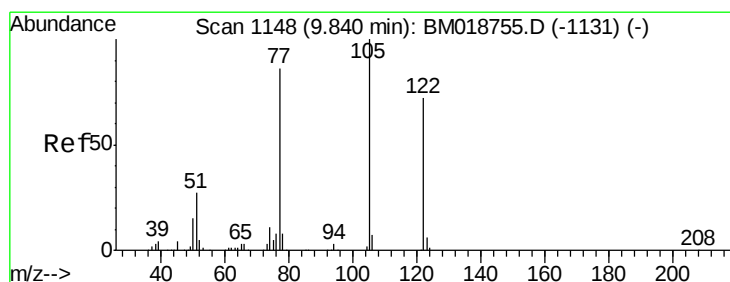
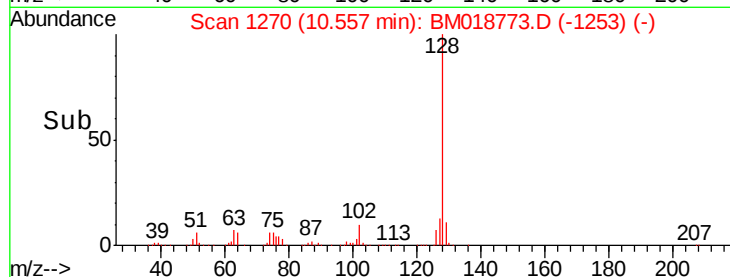
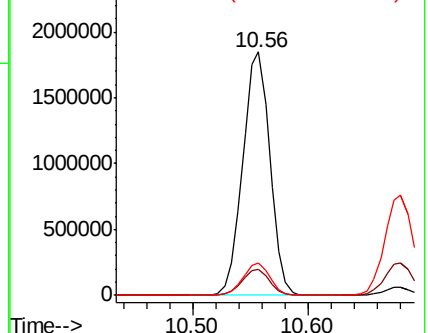
127 13.2 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 39.218 ng

RT: 9.85 min Scan# 1150

Delta R.T. 0.01 min

Lab File: BM018773.D

Acq: 12 Feb 2019 15:22

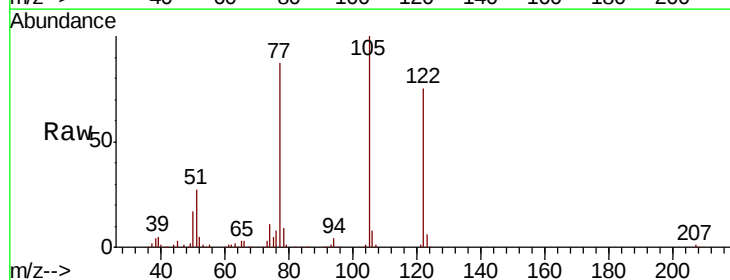
Tgt Ion:122 Resp: 615818

Ion Ratio Lower Upper

122 100

105 134.2 117.5 157.5

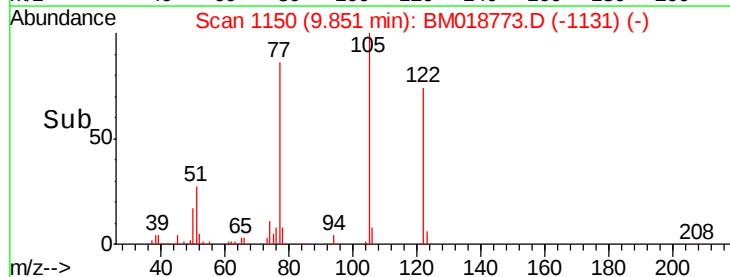
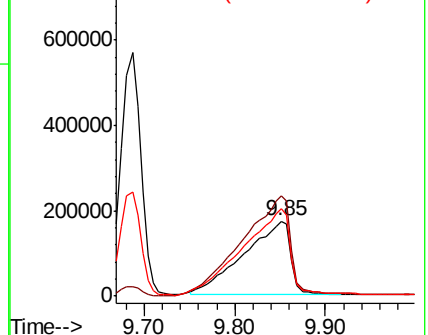
77 116.7 98.5 138.5

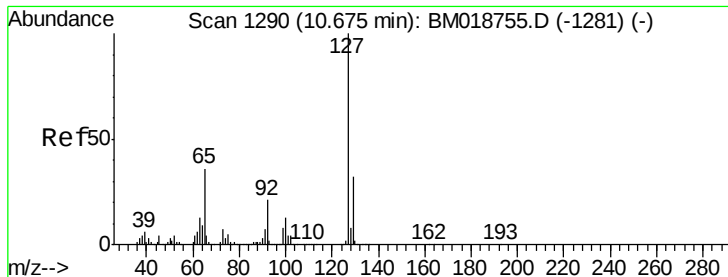


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM

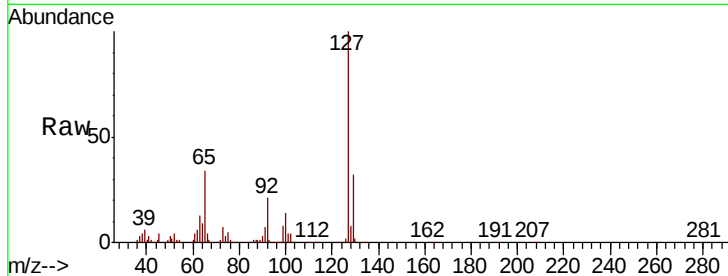




#33  
4-Chloroaniline  
Concen: 43.980 ng  
RT: 10.68 min Scan# 1291  
Delta R.T. 0.01 min  
Lab File: BM018773.D  
Acq: 12 Feb 2019 15:22

Instrument :  
BNA\_M  
ClientSampleId :  
PB117038BSD

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 127   | Resp: | 1321854 |
| Ion      | Ratio | Lower | Upper   |
| 127      | 100   |       |         |
| 129      | 32.1  | 25.7  | 38.5    |
| 65       | 34.4  | 28.7  | 43.1    |
| 92       | 21.0  | 17.0  | 25.4    |



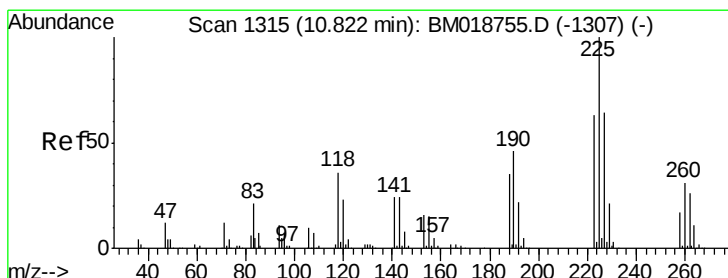
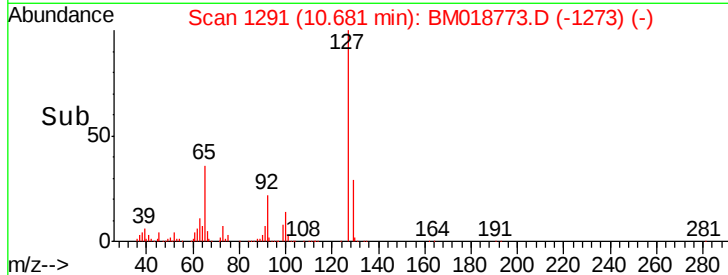
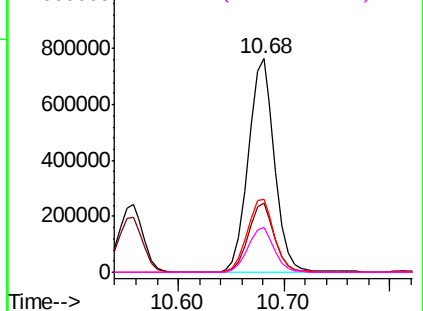
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

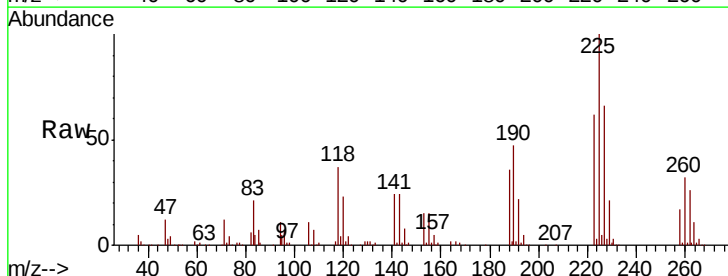
Ion 65.00 (64.70 to 65.70): BM0

Ion 92.00 (91.70 to 92.70): BM0



#34  
Hexachlorobutadiene  
Concen: 39.699 ng  
RT: 10.82 min Scan# 1315  
Delta R.T. -0.00 min  
Lab File: BM018773.D  
Acq: 12 Feb 2019 15:22

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 550037 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 62.2  | 50.1  | 75.1   |
| 227      | 66.1  | 51.4  | 77.0   |

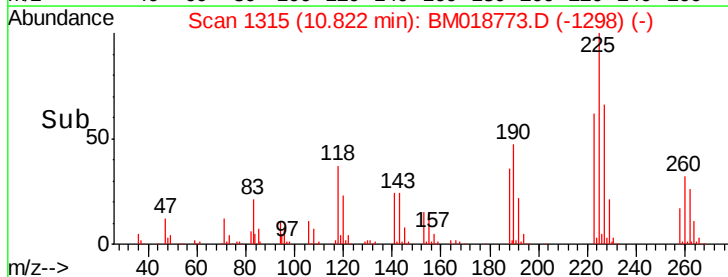
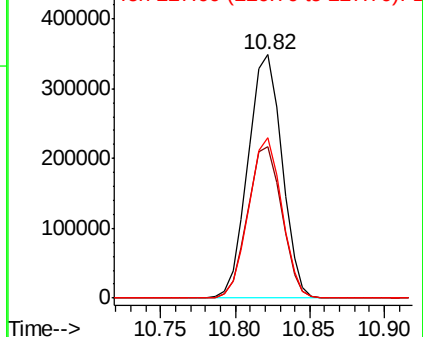


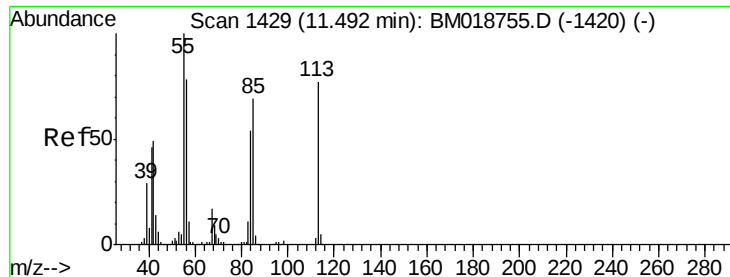
Abundance

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: 27.456 ng

RT: 11.50 min Scan# 1431

Delta R.T. 0.01 min

Lab File: BM018773.D

Acq: 12 Feb 2019 15:22

Instrument :

BNA\_M

ClientSampleId :

PB117038BSD

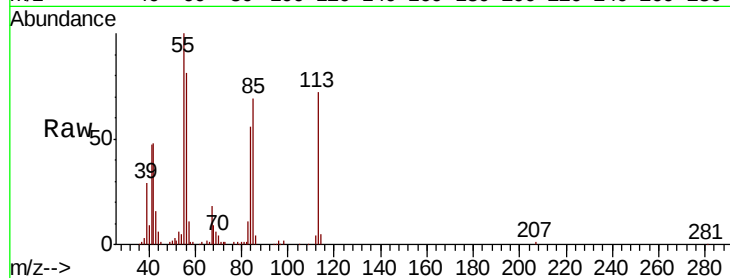
Tgt Ion:113 Resp: 231603

Ion Ratio Lower Upper

113 100

55 139.1 110.7 150.7

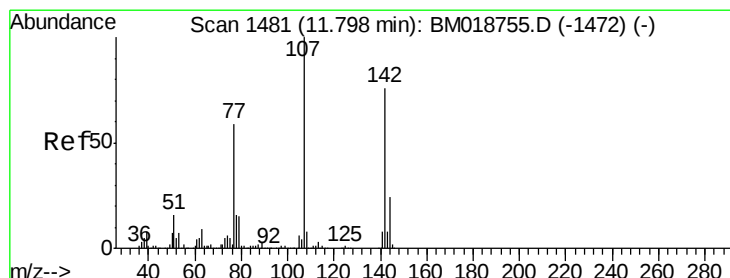
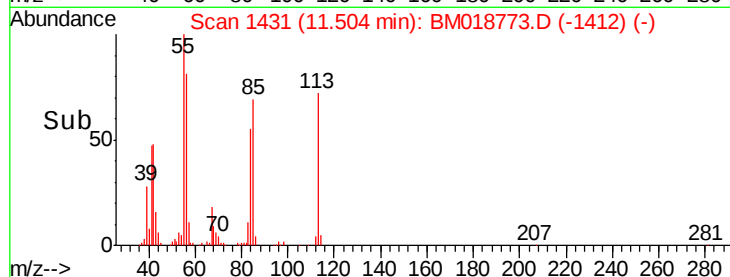
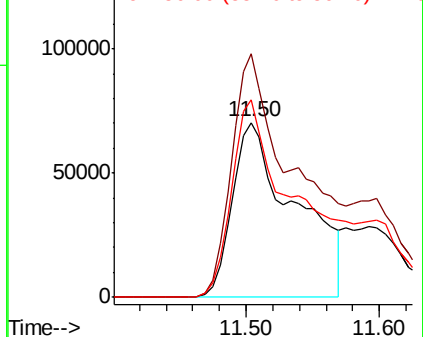
56 112.8 82.4 122.4



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM

Ion 56.00 (55.70 to 56.70): BM



#36

4-Chloro-3-methylphenol

Concen: 43.151 ng

RT: 11.80 min Scan# 1482

Delta R.T. 0.01 min

Lab File: BM018773.D

Acq: 12 Feb 2019 15:22

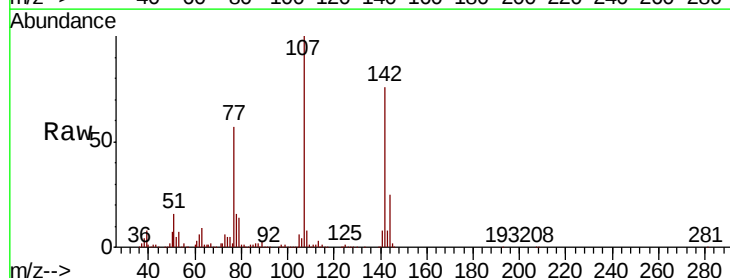
Tgt Ion:107 Resp: 1075341

Ion Ratio Lower Upper

107 100

144 24.8 19.3 28.9

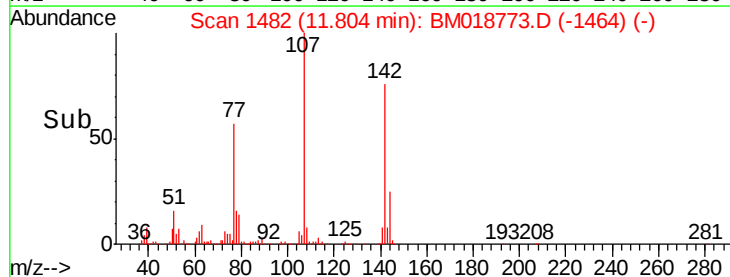
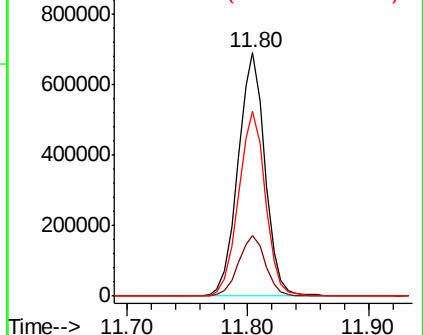
142 76.1 60.5 90.7

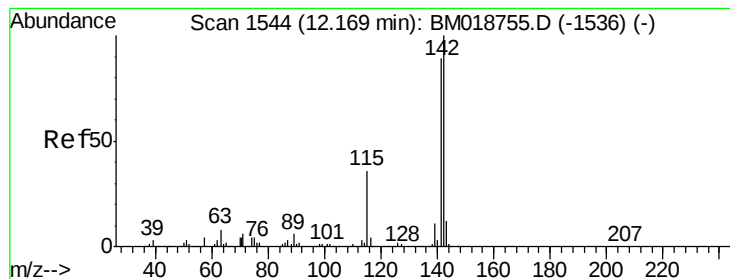


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 46.665 ng

RT: 12.17 min Scan# 1544

Delta R.T. -0.00 min

Lab File: BM018773.D

Acq: 12 Feb 2019 15:22

Instrument :

BNA\_M

ClientSampleId :

PB117038BSD

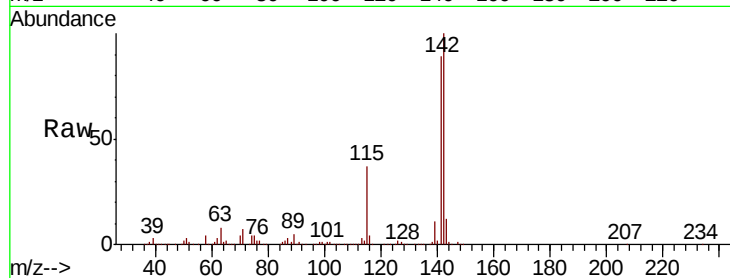
Tgt Ion:142 Resp: 2209039

Ion Ratio Lower Upper

142 100

141 88.9 71.2 106.8

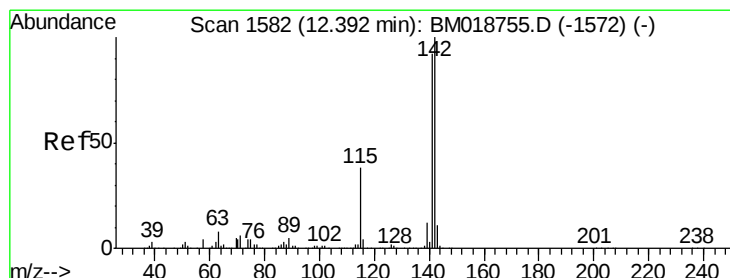
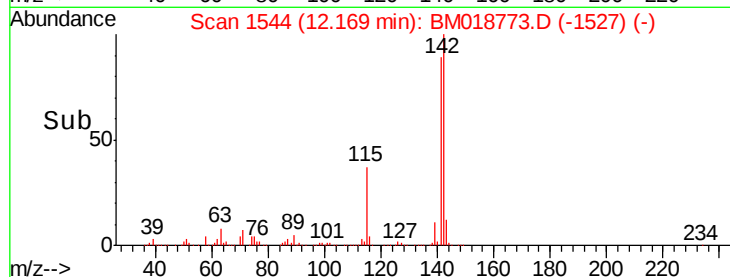
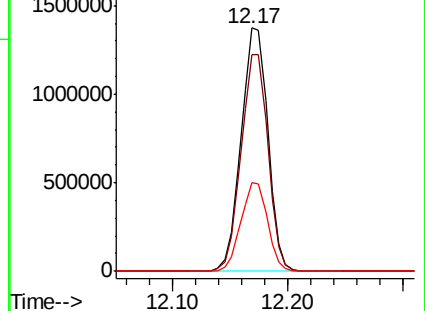
115 36.6 29.1 43.7



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: 45.241 ng

RT: 12.39 min Scan# 1582

Delta R.T. -0.00 min

Lab File: BM018773.D

Acq: 12 Feb 2019 15:22

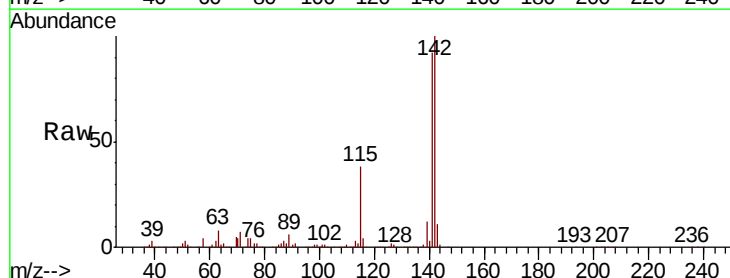
Tgt Ion:142 Resp: 2094276

Ion Ratio Lower Upper

142 100

141 92.0 73.9 110.9

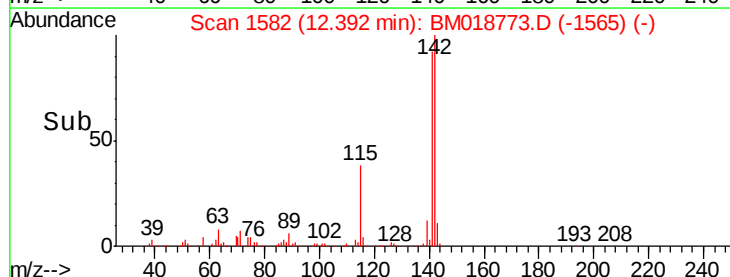
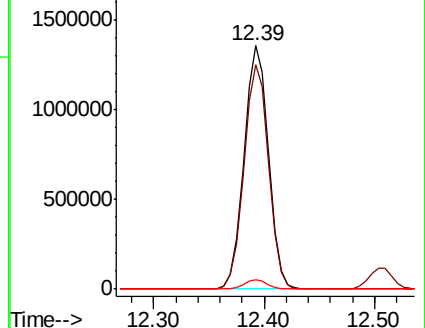
116 4.1 3.0 4.4

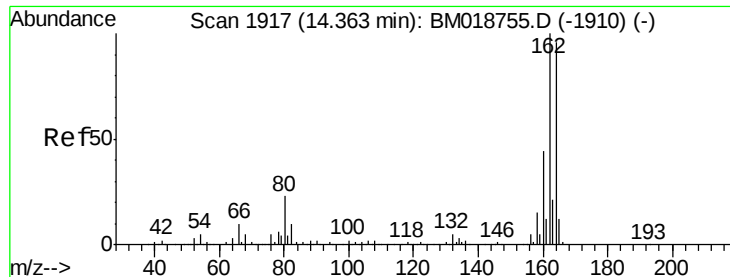


Abundance Ion 142.00 (141.70 to 142.70): E

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: 14.37 min Scan# 1918

Delta R.T. 0.01 min

Lab File: BM018773.D

Acq: 12 Feb 2019 15:22

Instrument :

BNA\_M

ClientSampleId :

PB117038BSD

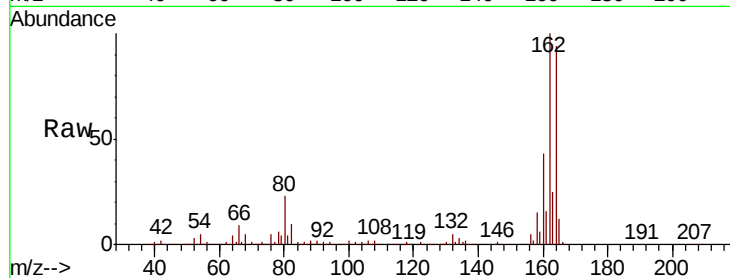
Tgt Ion:164 Resp: 791910

Ion Ratio Lower Upper

164 100

162 105.9 83.4 125.0

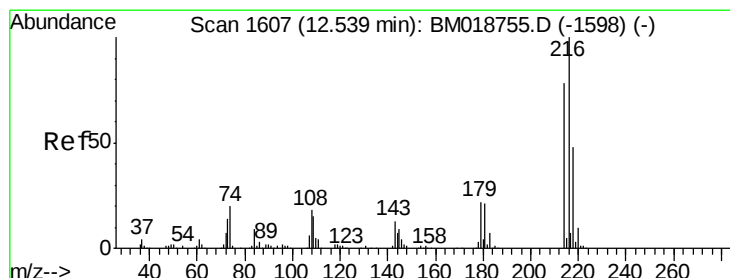
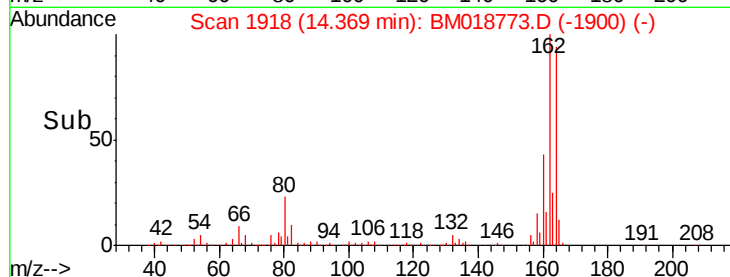
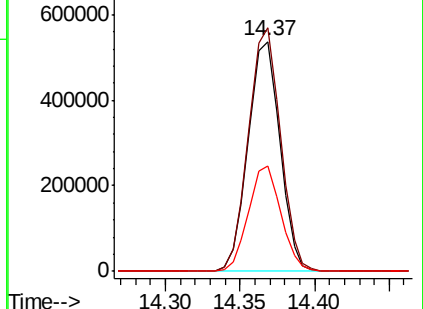
160 46.0 36.6 55.0



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: 41.759 ng

RT: 12.54 min Scan# 1607

Delta R.T. -0.00 min

Lab File: BM018773.D

Acq: 12 Feb 2019 15:22

Tgt Ion:216 Resp: 1057866

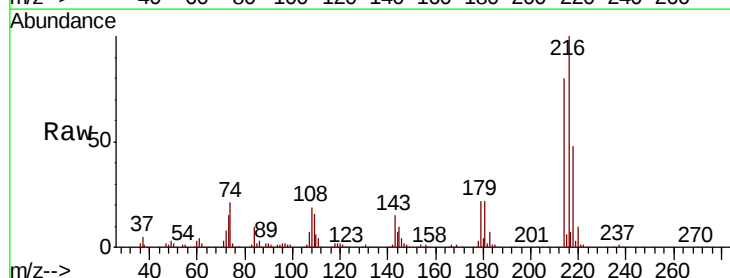
Ion Ratio Lower Upper

216 100

214 79.3 63.2 94.8

179 22.4 17.8 26.8

108 23.3 16.4 24.6

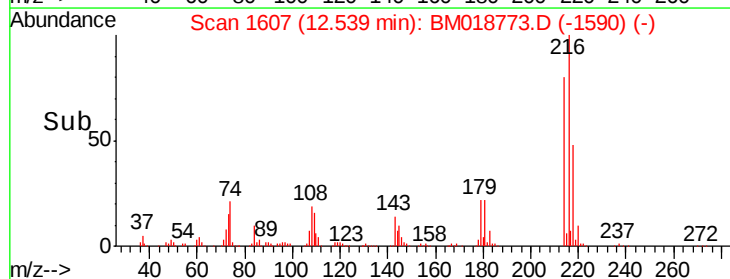
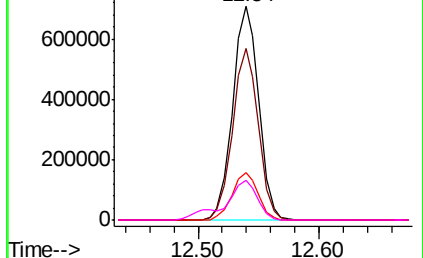


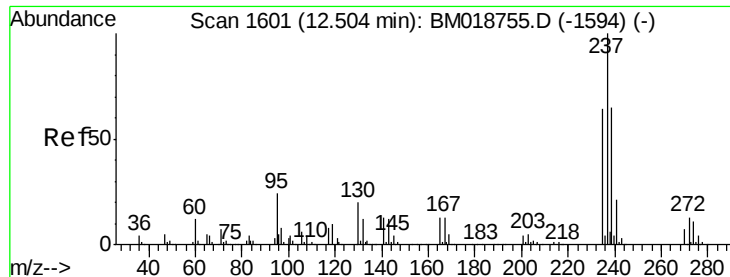
Abundance Ion 216.00 (215.70 to 216.70): E

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: 110.942 ng

RT: 12.51 min Scan# 1602

Delta R.T. 0.01 min

Lab File: BM018773.D

Acq: 12 Feb 2019 15:22

Instrument :

BNA\_M

ClientSampleId :

PB117038BSD

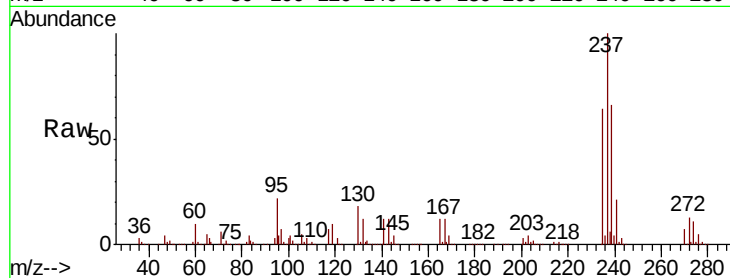
Tgt Ion:237 Resp: 1436899

Ion Ratio Lower Upper

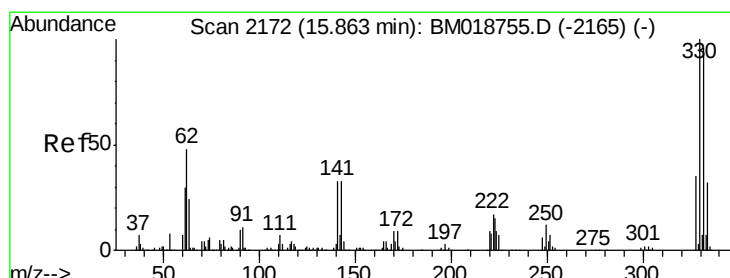
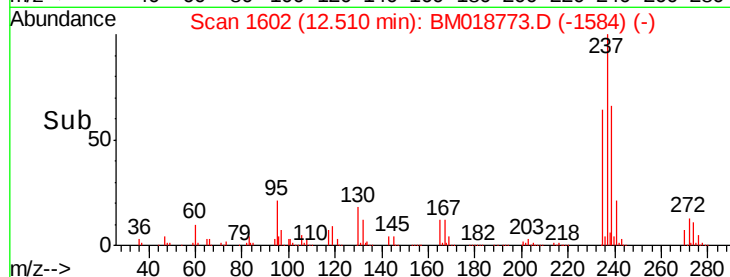
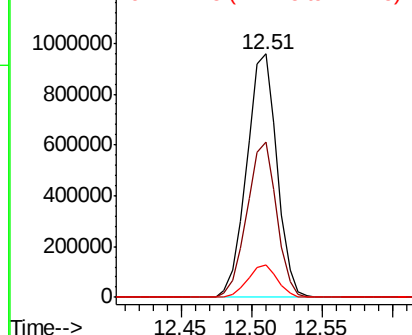
237 100

235 63.5 43.7 83.7

272 13.5 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: 156.707 ng

RT: 15.87 min Scan# 2173

Delta R.T. 0.01 min

Lab File: BM018773.D

Acq: 12 Feb 2019 15:22

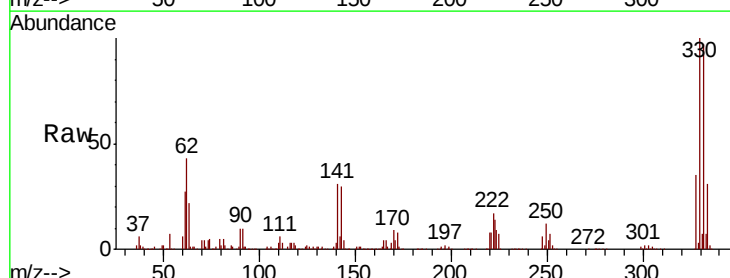
Tgt Ion:330 Resp: 1788832

Ion Ratio Lower Upper

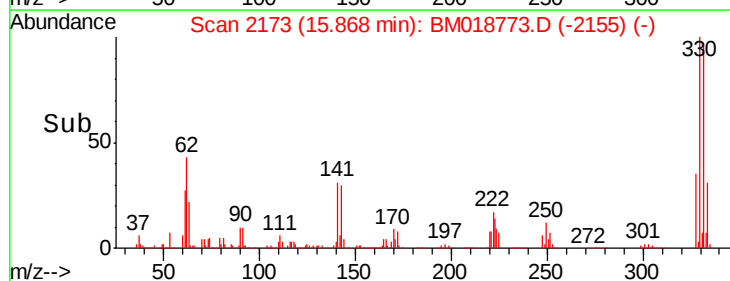
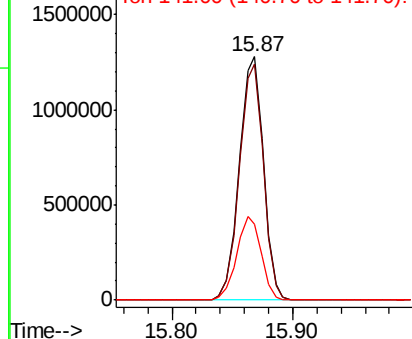
330 100

332 96.6 76.9 115.3

141 34.7 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

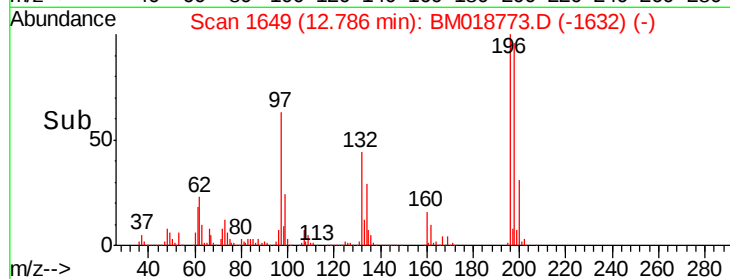
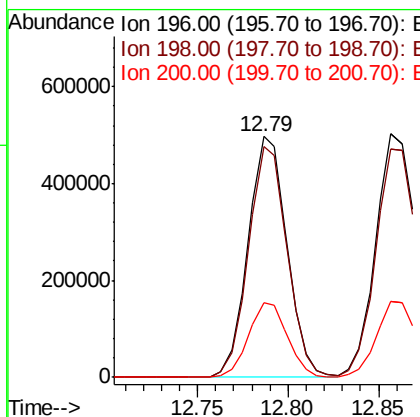
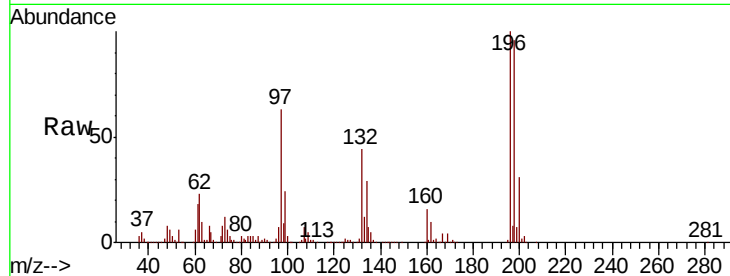




#43  
 2,4,6-Trichlorophenol  
 Concen: 44.223 ng  
 RT: 12.79 min Scan# 1649  
 Delta R.T. -0.00 min  
 Lab File: BM018773.D  
 Acq: 12 Feb 2019 15:22

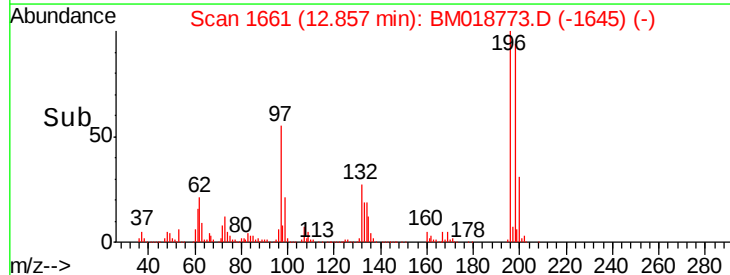
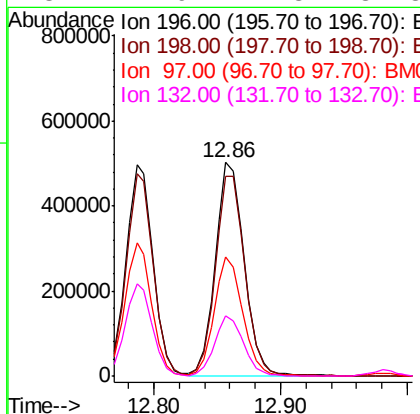
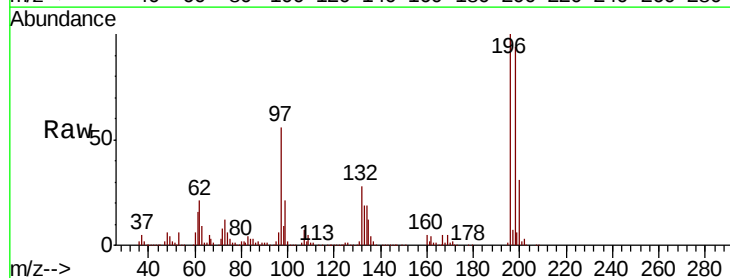
Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB117038BSD

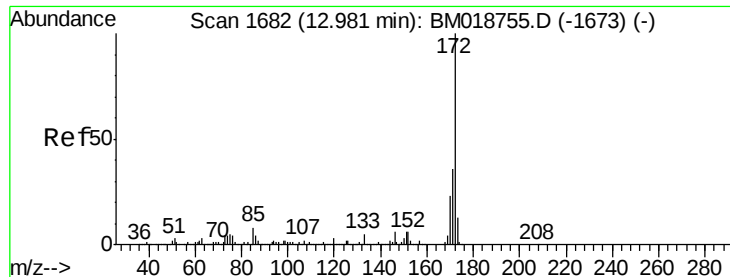
Tgt Ion:196 Resp: 741624  
 Ion Ratio Lower Upper  
 196 100  
 198 95.7 76.2 114.2  
 200 30.7 24.2 36.2



#44  
 2,4,5-Trichlorophenol  
 Concen: 45.059 ng  
 RT: 12.86 min Scan# 1661  
 Delta R.T. -0.01 min  
 Lab File: BM018773.D  
 Acq: 12 Feb 2019 15:22

Tgt Ion:196 Resp: 792013  
 Ion Ratio Lower Upper  
 196 100  
 198 93.6 77.6 116.4  
 97 55.9 42.8 64.2  
 132 27.9 21.8 32.8

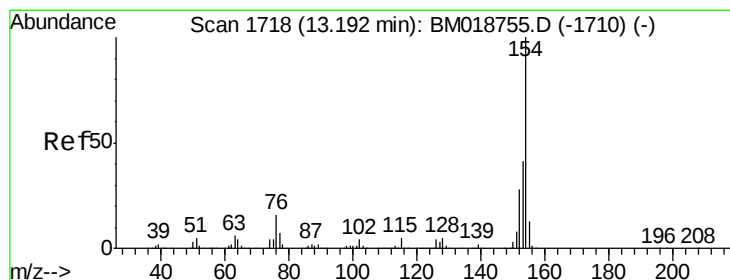
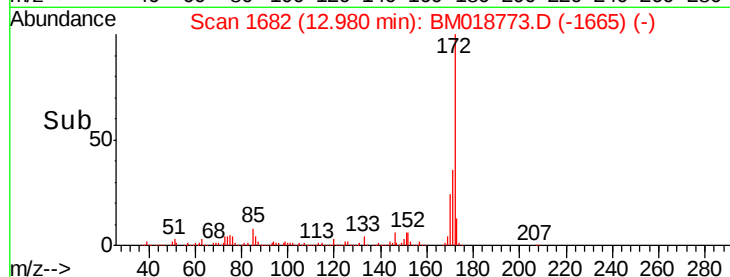
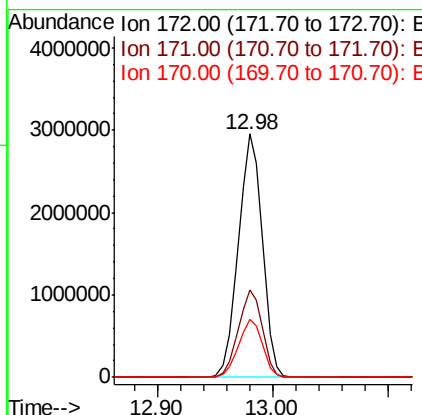
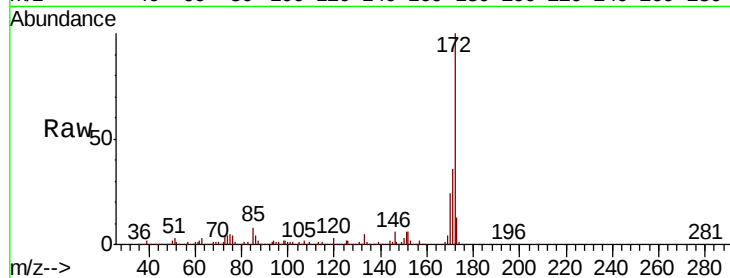




#45  
 2-Fluorobiphenyl  
 Concen: 70.947 ng  
 RT: 12.98 min Scan# 1682  
 Delta R.T. -0.00 min  
 Lab File: BM018773.D  
 Acq: 12 Feb 2019 15:22

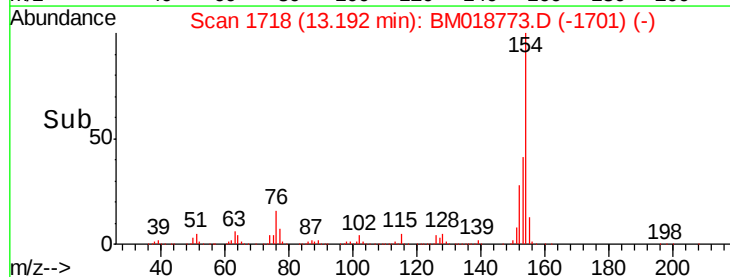
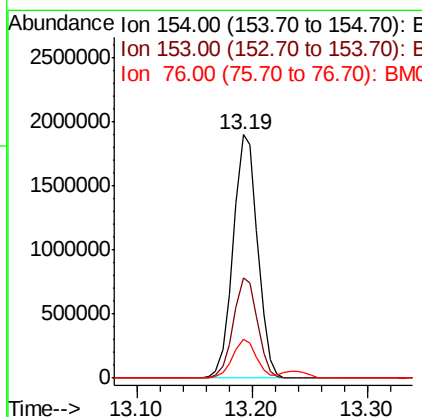
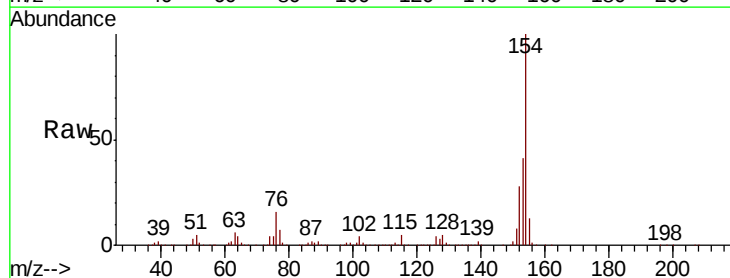
Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB117038BSD

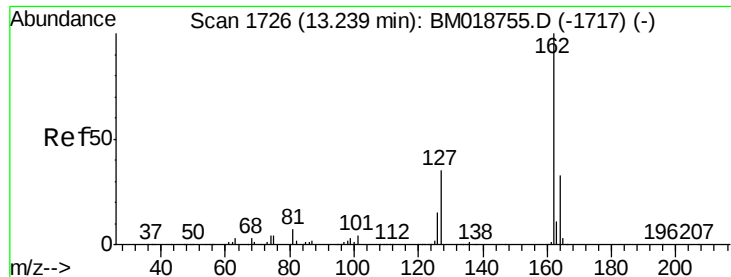
Tgt Ion:172 Resp: 4232378  
 Ion Ratio Lower Upper  
 172 100  
 171 36.1 29.0 43.6  
 170 23.9 18.6 28.0



#46  
 1,1'-Biphenyl  
 Concen: 40.631 ng  
 RT: 13.19 min Scan# 1718  
 Delta R.T. -0.00 min  
 Lab File: BM018773.D  
 Acq: 12 Feb 2019 15:22

Tgt Ion:154 Resp: 2769621  
 Ion Ratio Lower Upper  
 154 100  
 153 41.0 21.1 61.1  
 76 15.9 0.0 35.7





#47

2-Chloronaphthalene

Concen: 41.221 ng

RT: 13.24 min Scan# 1726

Delta R.T. -0.00 min

Lab File: BM018773.D

Acq: 12 Feb 2019 15:22

Instrument :

BNA\_M

ClientSampleId :

PB117038BSD

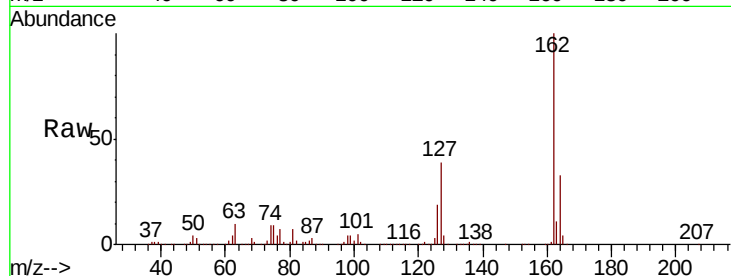
Tgt Ion: 162 Resp: 2170314

Ion Ratio Lower Upper

162 100

127 38.8 31.1 46.7

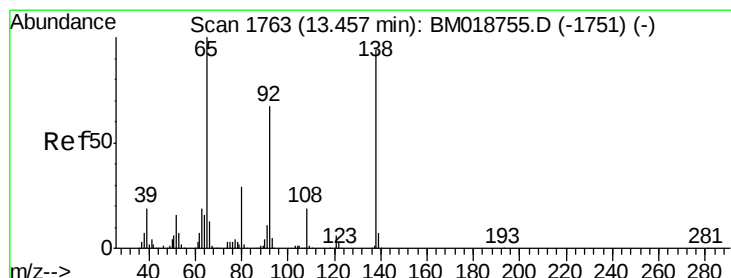
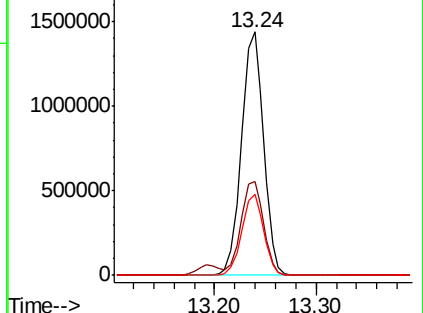
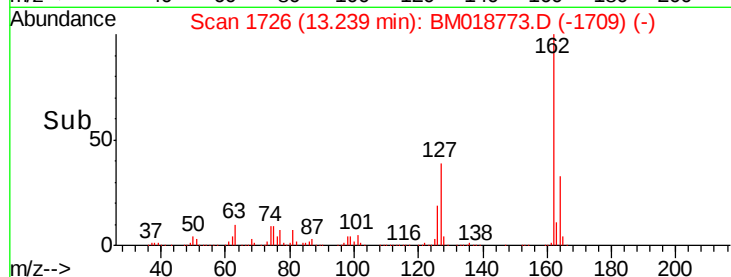
164 33.3 26.4 39.6



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: 44.826 ng

RT: 13.46 min Scan# 1764

Delta R.T. 0.01 min

Lab File: BM018773.D

Acq: 12 Feb 2019 15:22

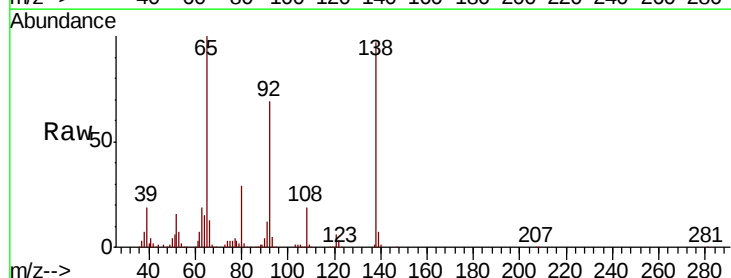
Tgt Ion: 65 Resp: 783844

Ion Ratio Lower Upper

65 100

92 69.0 54.0 81.0

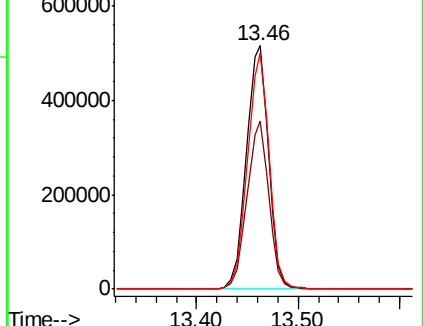
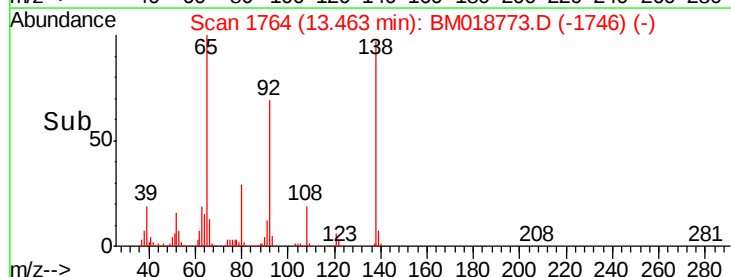
138 96.7 74.9 112.3

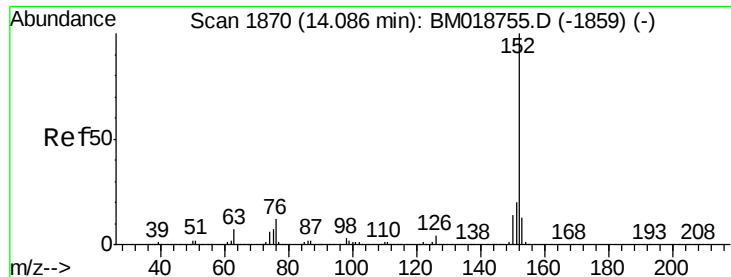


Abundance Ion 65.00 (64.70 to 65.70): BM0

Ion 92.00 (91.70 to 92.70): BM0

Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 45.497 ng

RT: 14.09 min Scan# 1870

Delta R.T. -0.00 min

Lab File: BM018773.D

Acq: 12 Feb 2019 15:22

Instrument :

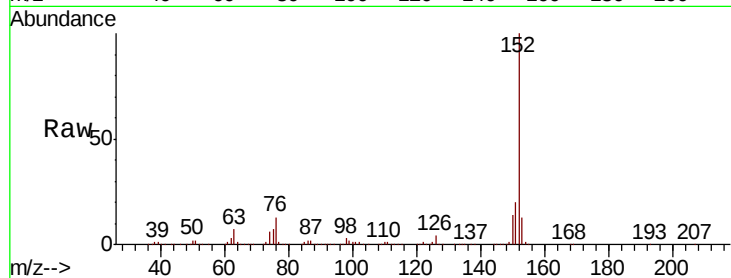
BNA\_M

ClientSampleId :

PB117038BSD

Tgt Ion:152 Resp: 3566859

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 151 | 19.9  | 15.8  | 23.8  |
| 153 | 13.2  | 10.5  | 15.7  |

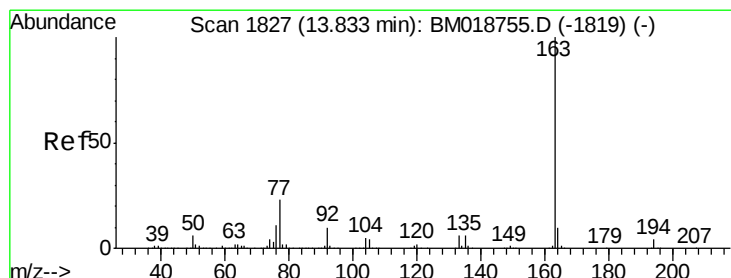
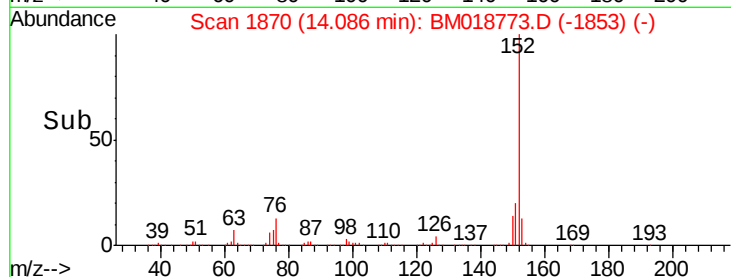
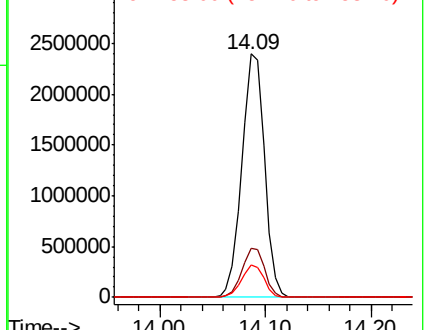


Abundance

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: 43.119 ng

RT: 13.83 min Scan# 1827

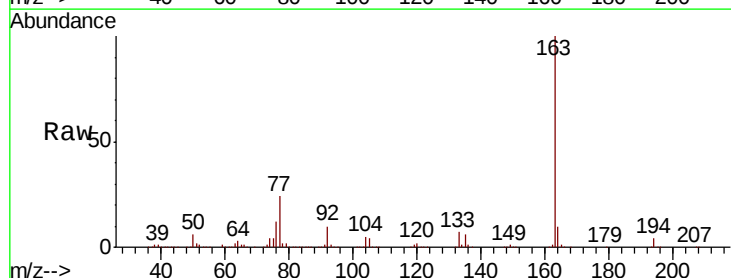
Delta R.T. -0.00 min

Lab File: BM018773.D

Acq: 12 Feb 2019 15:22

Tgt Ion:163 Resp: 2845745

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 163 | 100   |       |       |
| 194 | 4.0   | 3.2   | 4.8   |
| 164 | 10.0  | 7.8   | 11.8  |

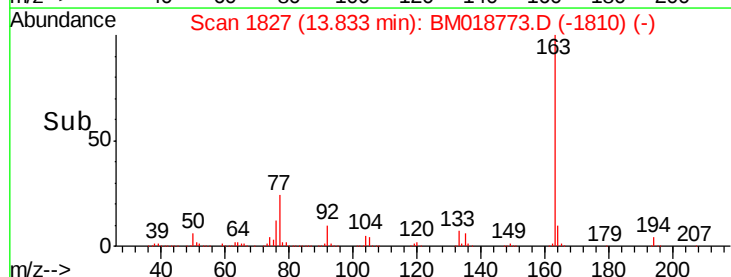
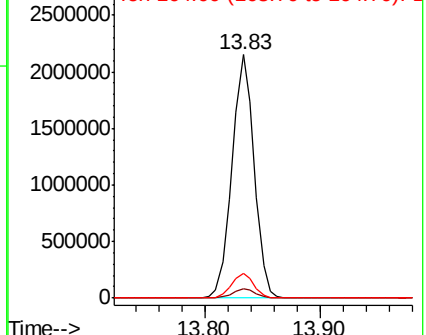


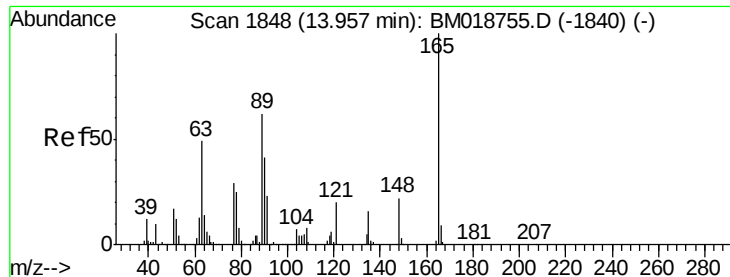
Abundance

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

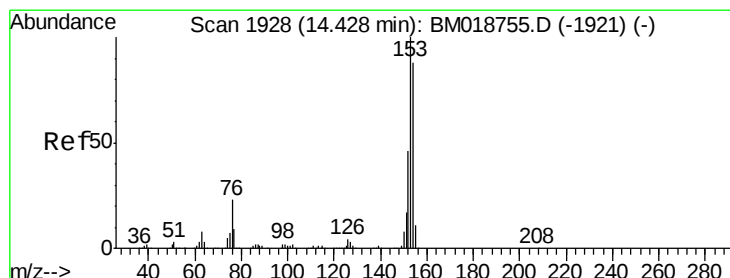
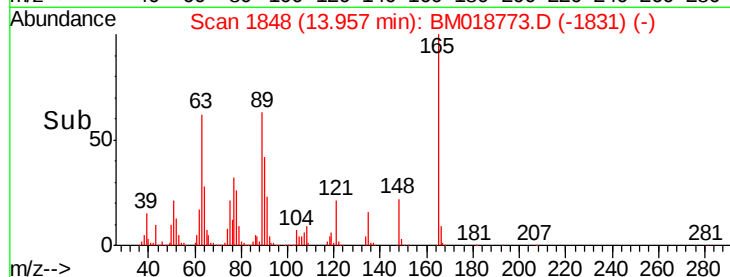
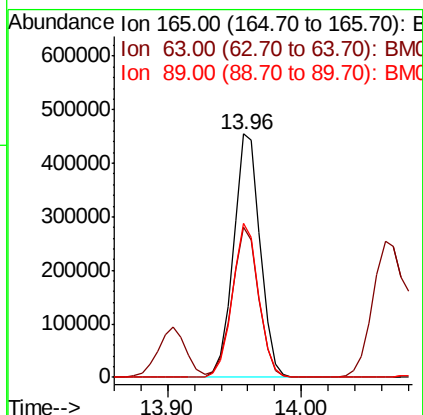
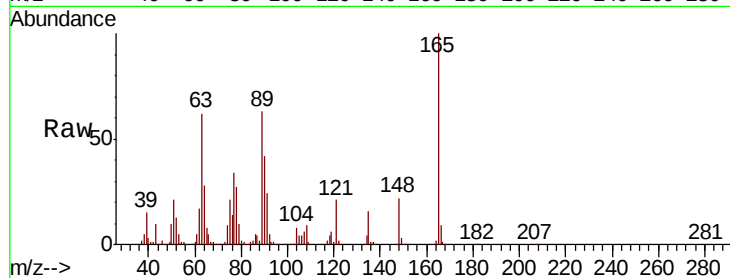




#51  
2,6-Dinitrotoluene  
Concen: 44.062 ng  
RT: 13.96 min Scan# 1848  
Delta R.T. -0.00 min  
Lab File: BM018773.D  
Acq: 12 Feb 2019 15:22

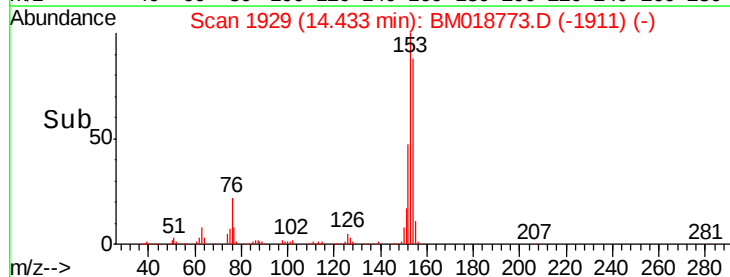
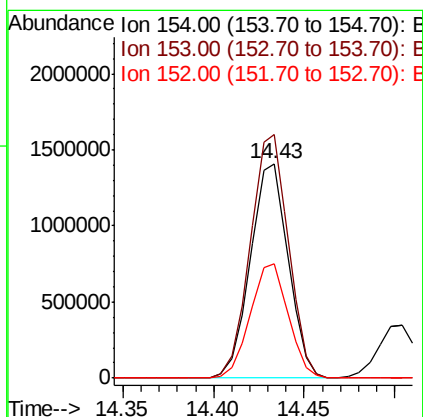
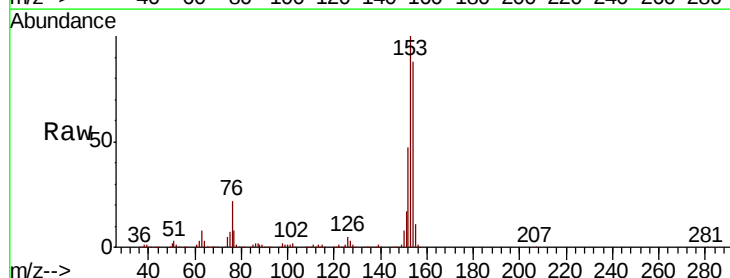
Instrument :  
BNA\_M  
ClientSampleId :  
PB117038BSD

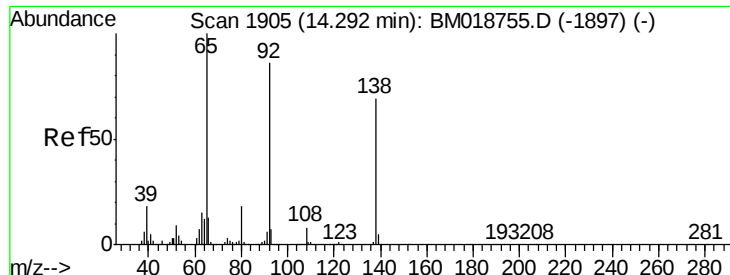
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 61.8  | 48.9  | 73.3  |
| 89      | 63.2  | 49.4  | 74.0  |



#52  
Acenaphthene  
Concen: 42.503 ng  
RT: 14.43 min Scan# 1929  
Delta R.T. 0.01 min  
Lab File: BM018773.D  
Acq: 12 Feb 2019 15:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 113.4 | 91.3  | 136.9 |
| 152     | 53.2  | 42.2  | 63.4  |

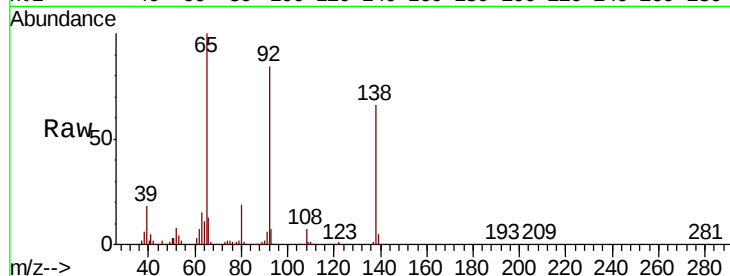




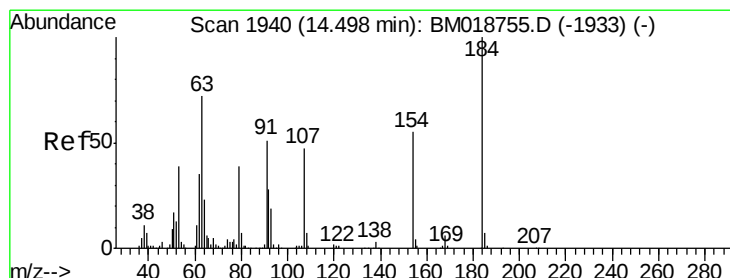
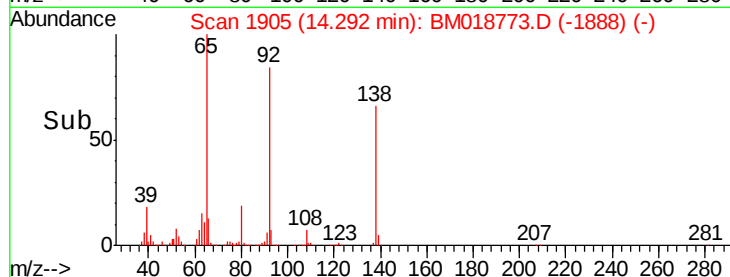
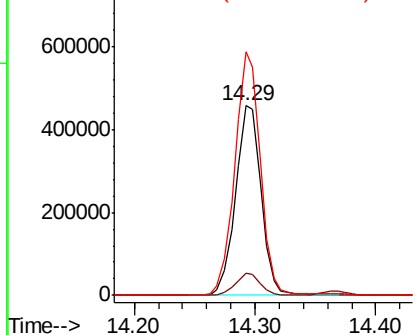
#53  
3-Nitroaniline  
Concen: 41.894 ng  
RT: 14.29 min Scan# 1905  
Delta R.T. -0.00 min  
Lab File: BM018773.D  
Acq: 12 Feb 2019 15:22

Instrument :  
BNA\_M  
ClientSampleId :  
PB117038BSD

Tgt Ion:138 Resp: 676740  
Ion Ratio Lower Upper  
138 100  
108 11.4 9.1 13.7  
92 128.3 99.7 149.5

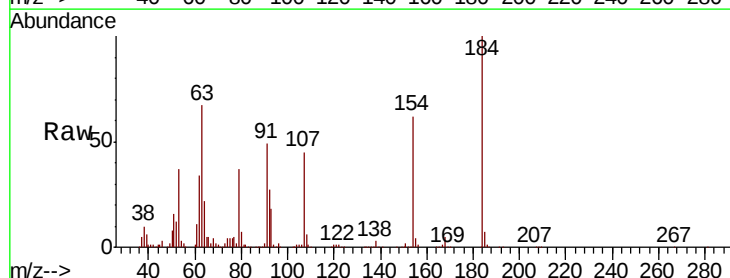


Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 92.00 (91.70 to 92.70): BM

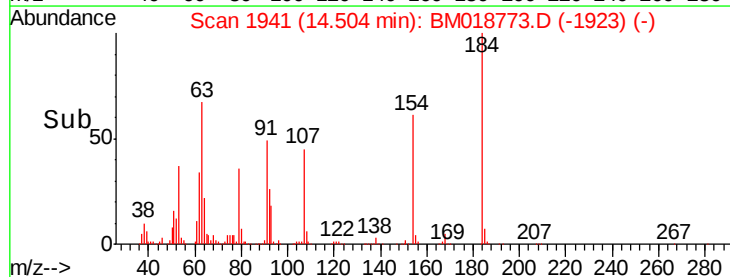
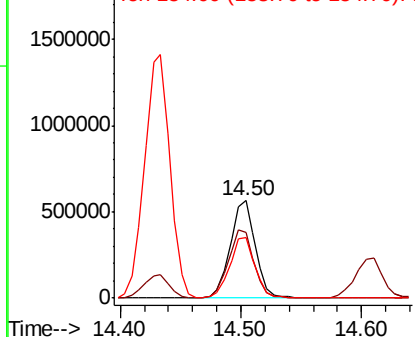


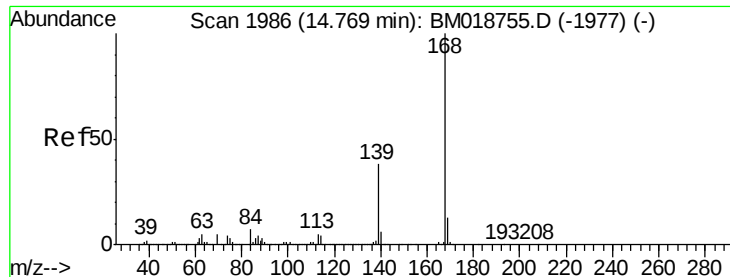
#54  
2,4-Dinitrophenol  
Concen: 89.251 ng  
RT: 14.50 min Scan# 1941  
Delta R.T. 0.01 min  
Lab File: BM018773.D  
Acq: 12 Feb 2019 15:22

Tgt Ion:184 Resp: 816161  
Ion Ratio Lower Upper  
184 100  
63 67.4 58.0 87.0  
154 62.0 50.3 75.5



Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 63.00 (62.70 to 63.70): BM  
Ion 154.00 (153.70 to 154.70): E





#55

Dibenzofuran

Concen: 42.271 ng

RT: 14.77 min Scan# 1986

Delta R.T. -0.00 min

Lab File: BM018773.D

Acq: 12 Feb 2019 15:22

Instrument :

BNA\_M

ClientSampleId :

PB117038BSD

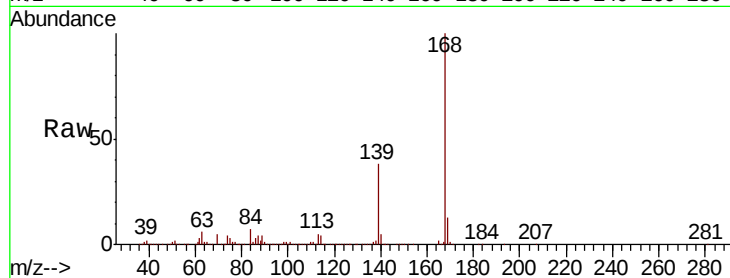
Tgt Ion:168 Resp: 3339968

Ion Ratio Lower Upper

168 100

139 38.0 30.7 46.1

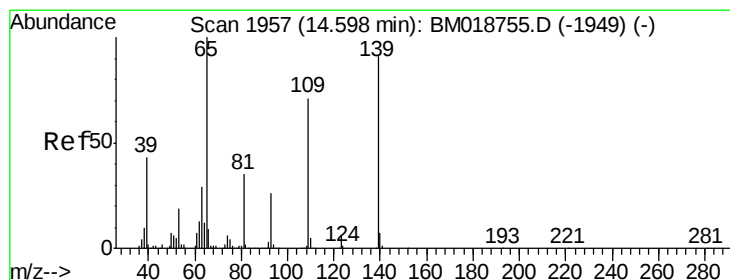
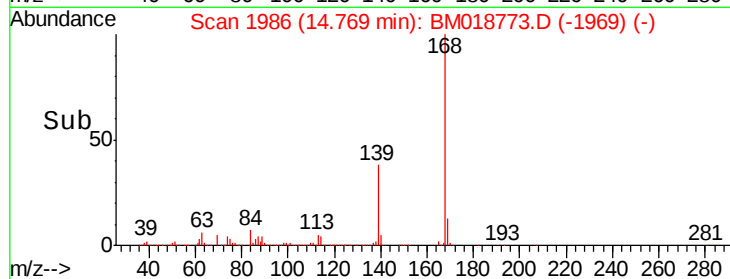
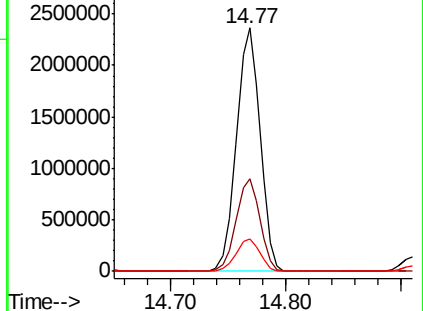
169 13.2 10.3 15.5



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: 88.710 ng

RT: 14.61 min Scan# 1959

Delta R.T. 0.01 min

Lab File: BM018773.D

Acq: 12 Feb 2019 15:22

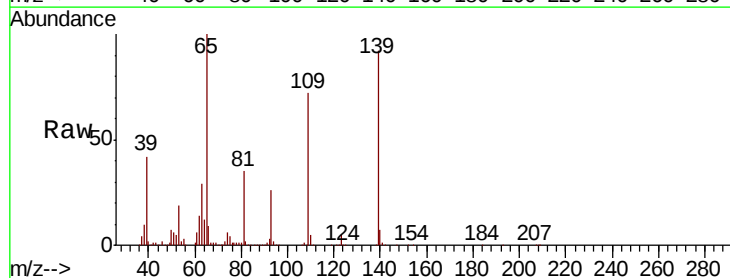
Tgt Ion:139 Resp: 1143916

Ion Ratio Lower Upper

139 100

109 78.1 58.4 98.4

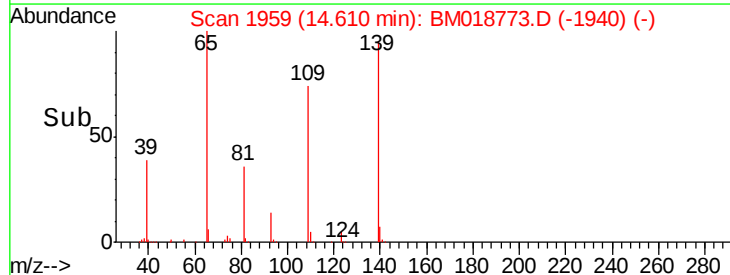
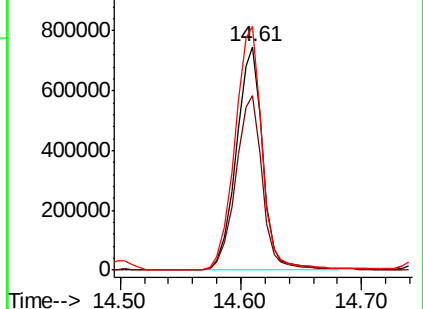
65 109.0 89.8 129.8

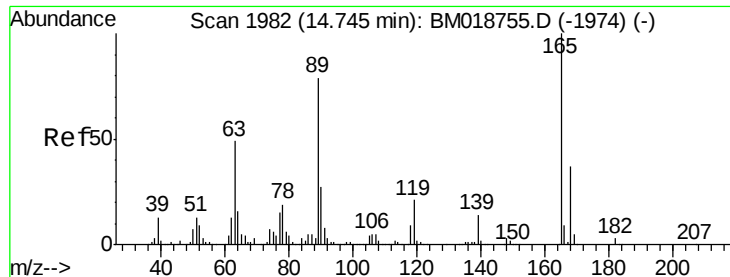


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): E

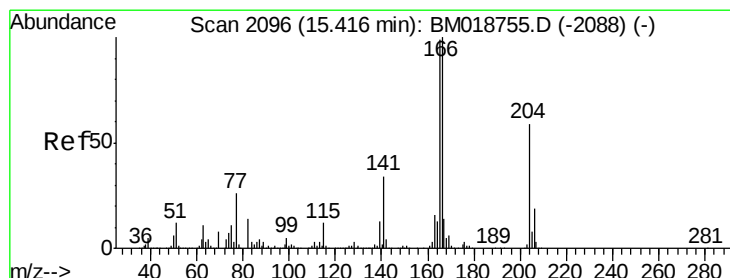
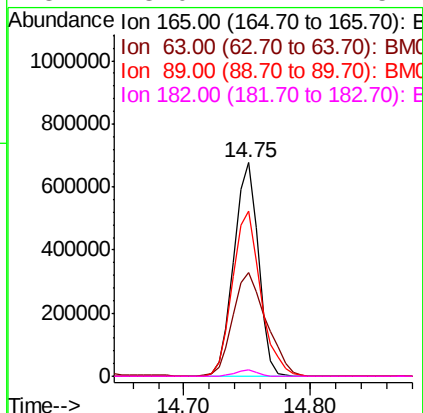
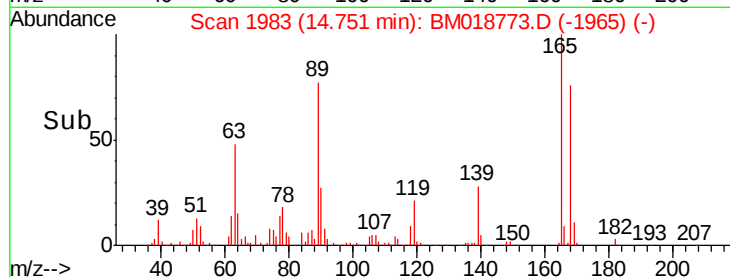
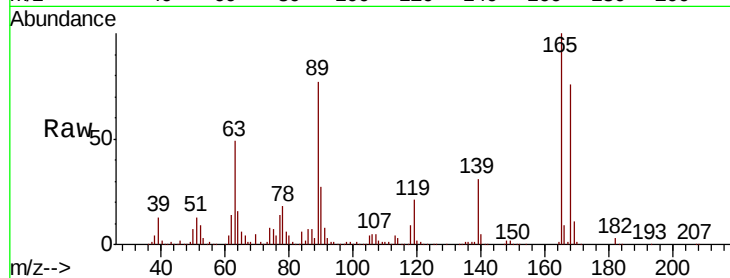




#57  
2,4-Dinitrotoluene  
Concen: 45.800 ng  
RT: 14.75 min Scan# 1983  
Delta R.T. 0.01 min  
Lab File: BM018773.D  
Acq: 12 Feb 2019 15:22

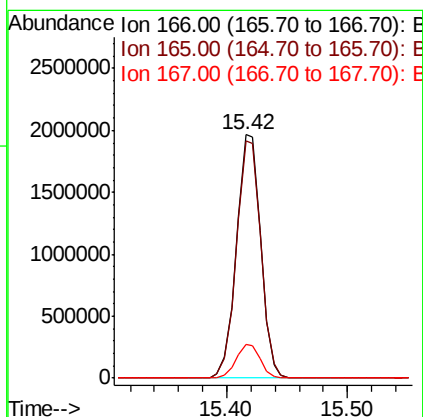
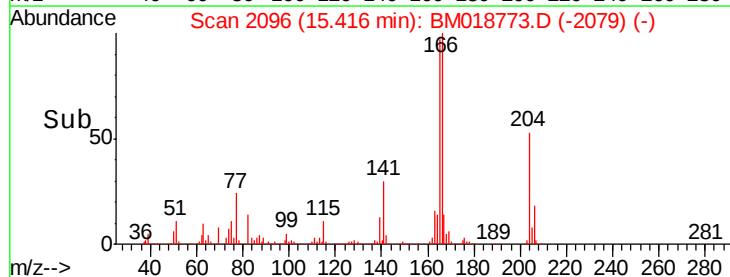
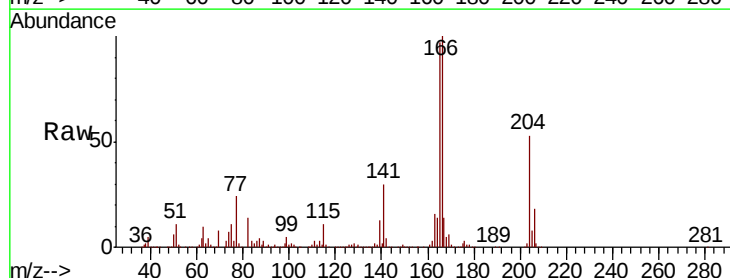
Instrument :  
BNA\_M  
ClientSampleId :  
PB117038BSD

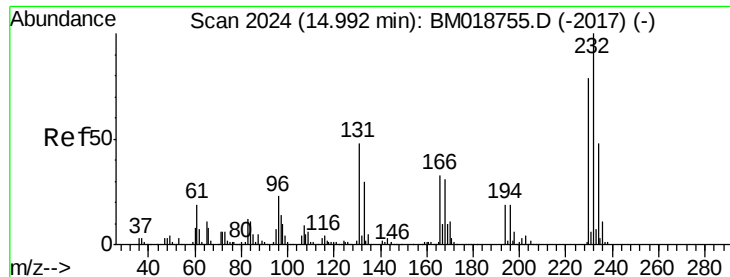
Tgt Ion:165 Resp: 902164  
Ion Ratio Lower Upper  
165 100  
63 48.8 39.6 59.4  
89 77.3 63.5 95.3  
182 3.0 2.2 3.4



#58  
Fluorene  
Concen: 45.487 ng  
RT: 15.42 min Scan# 2096  
Delta R.T. -0.00 min  
Lab File: BM018773.D  
Acq: 12 Feb 2019 15:22

Tgt Ion:166 Resp: 2749574  
Ion Ratio Lower Upper  
166 100  
165 97.4 79.1 118.7  
167 13.9 11.0 16.4

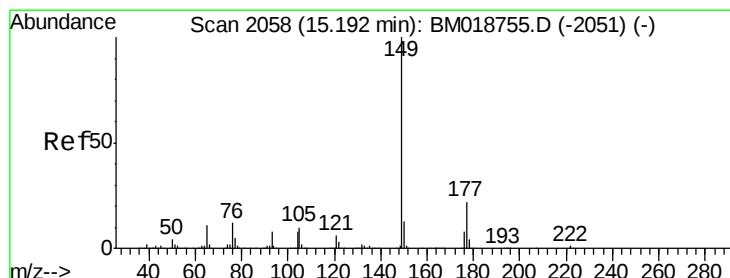
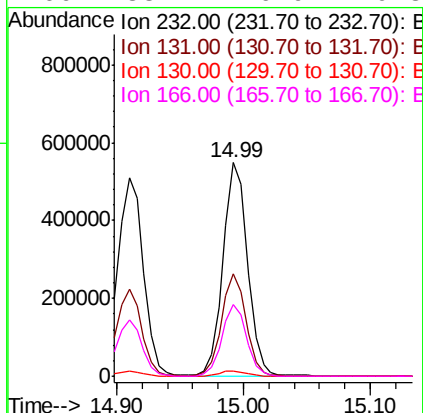
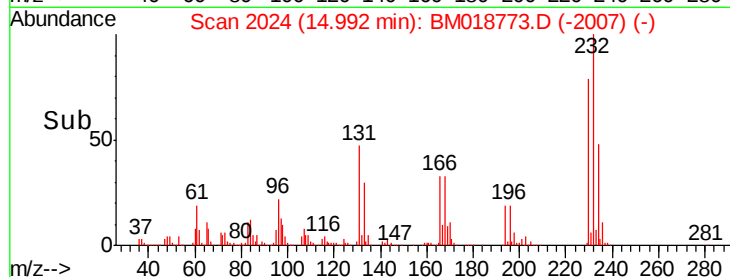
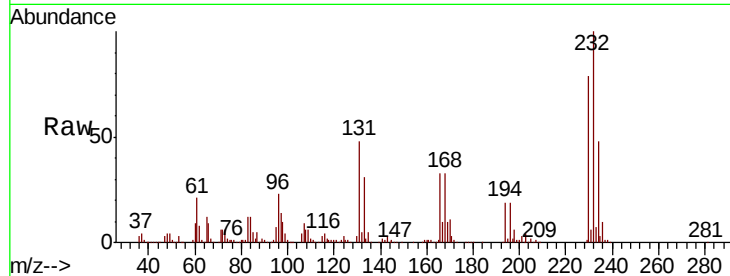




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 47.185 ng  
RT: 14.99 min Scan# 2024  
Delta R.T. -0.00 min  
Lab File: BM018773.D  
Acq: 12 Feb 2019 15:22

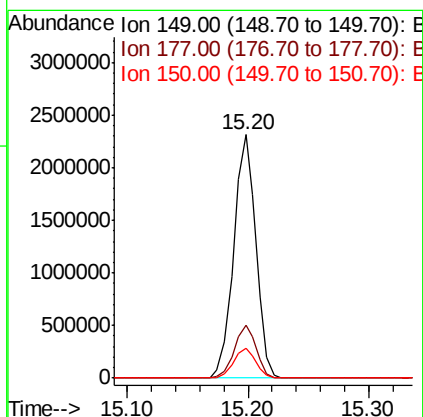
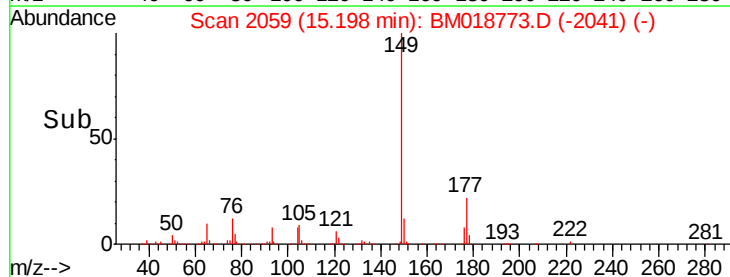
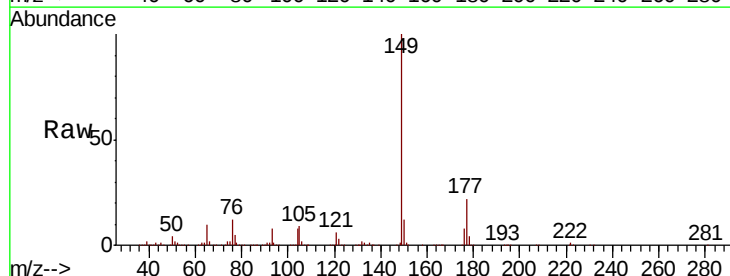
Instrument :  
BNA\_M  
ClientSampleId :  
PB117038BSD

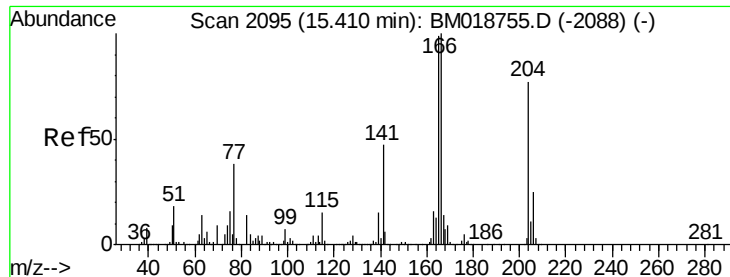
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 232   | Resp: | 733098 |
| Ion      | Ratio | Lower | Upper  |
| 232      | 100   |       |        |
| 131      | 47.8  | 38.6  | 57.8   |
| 130      | 2.6   | 2.0   | 3.0    |
| 166      | 33.7  | 26.9  | 40.3   |



#60  
Diethylphthalate  
Concen: 43.374 ng  
RT: 15.20 min Scan# 2059  
Delta R.T. 0.01 min  
Lab File: BM018773.D  
Acq: 12 Feb 2019 15:22

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 149   | Resp: | 2952860 |
| Ion      | Ratio | Lower | Upper   |
| 149      | 100   |       |         |
| 177      | 22.0  | 17.2  | 25.8    |
| 150      | 12.5  | 10.2  | 15.2    |

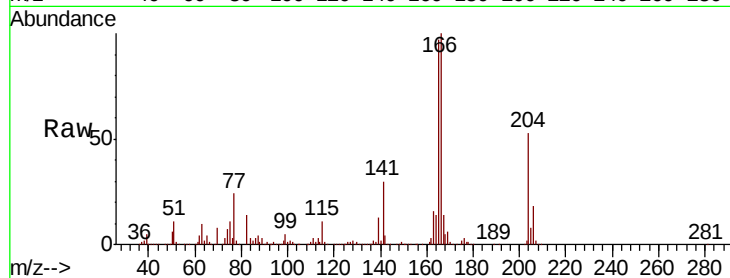




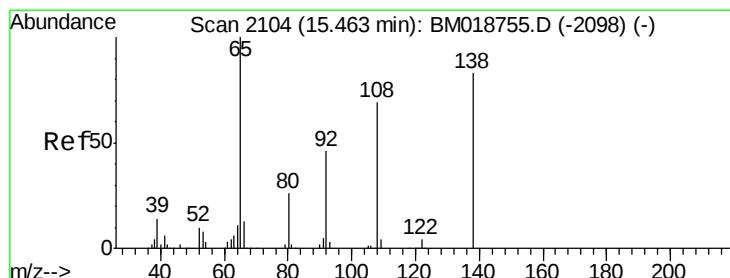
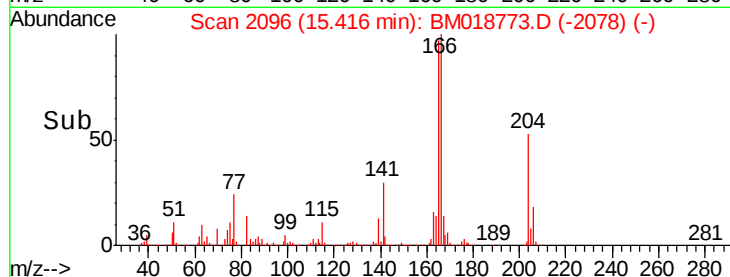
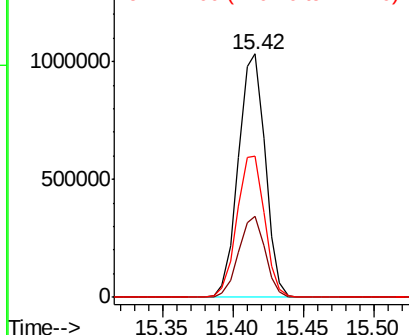
#61  
 4-Chlorophenyl-phenylether  
 Concen: 40.559 ng  
 RT: 15.42 min Scan# 2096  
 Delta R.T. 0.01 min  
 Lab File: BM018773.D  
 Acq: 12 Feb 2019 15:22

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB117038BSD

Tgt Ion:204 Resp: 1374609  
 Ion Ratio Lower Upper  
 204 100  
 206 33.3 26.2 39.2  
 141 57.9 49.2 73.8

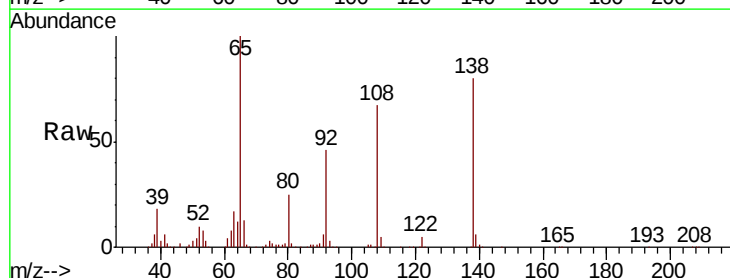


Abundance Ion 204.00 (203.70 to 204.70): E  
 Ion 206.00 (205.70 to 206.70): E  
 Ion 141.00 (140.70 to 141.70): E

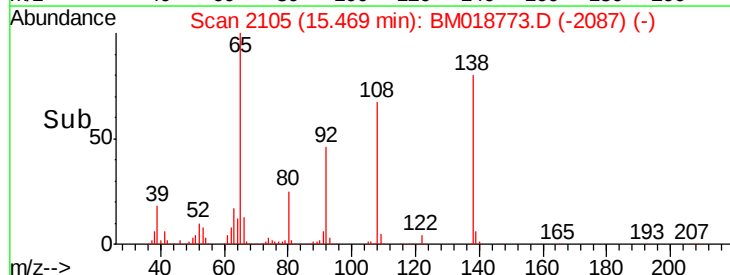
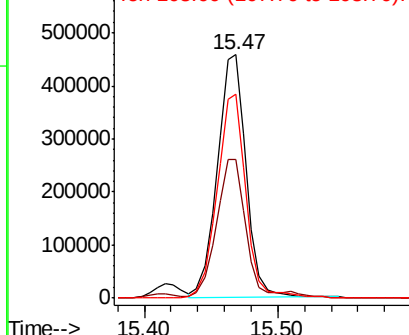


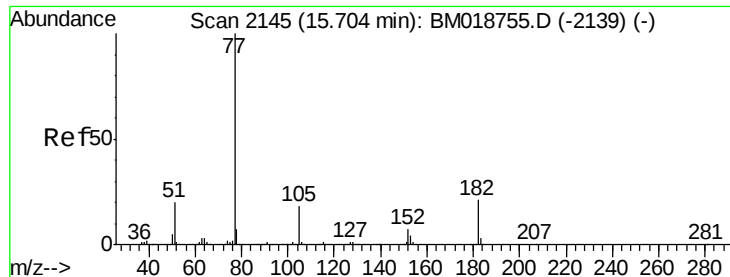
#62  
 4-Nitroaniline  
 Concen: 43.762 ng  
 RT: 15.47 min Scan# 2105  
 Delta R.T. 0.01 min  
 Lab File: BM018773.D  
 Acq: 12 Feb 2019 15:22

Tgt Ion:138 Resp: 693029  
 Ion Ratio Lower Upper  
 138 100  
 92 57.1 35.5 75.5  
 108 83.6 62.4 102.4



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





#63

Azobenzene

Concen: 42.864 ng

RT: 15.71 min Scan# 2146

Delta R.T. 0.01 min

Lab File: BM018773.D

Acq: 12 Feb 2019 15:22

Instrument :

BNA\_M

ClientSampleId :

PB117038BSD

Tgt Ion: 77 Resp: 3128839

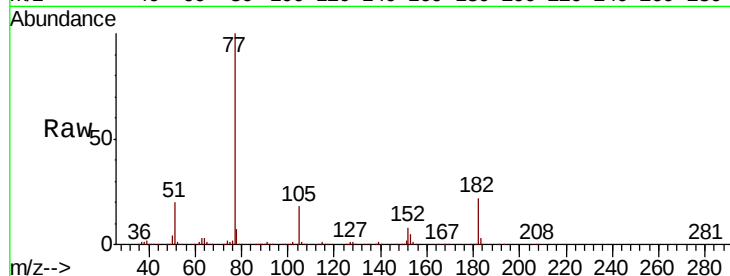
Ion Ratio Lower Upper

77 100

182 22.1 1.0 41.0

105 18.4 0.0 37.7

51 20.2 0.3 40.3

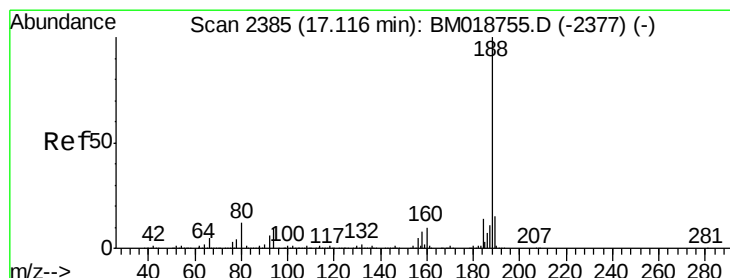
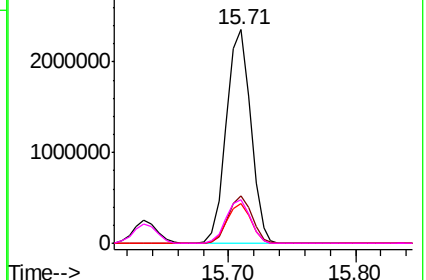
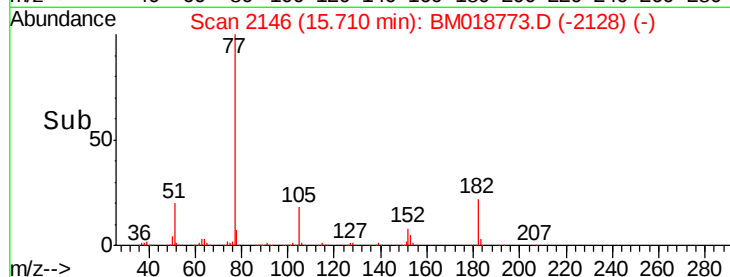


Abundance Ion 77.00 (76.70 to 77.70): BM018773.D (-2146) (-)

Ion 182.00 (181.70 to 182.70): BM018773.D (-2146) (-)

Ion 105.00 (104.70 to 105.70): BM018773.D (-2146) (-)

Ion 51.00 (50.70 to 51.70): BM018773.D (-2146) (-)



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.12 min Scan# 2385

Delta R.T. -0.00 min

Lab File: BM018773.D

Acq: 12 Feb 2019 15:22

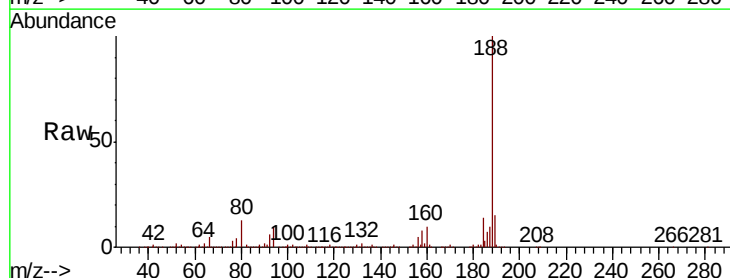
Tgt Ion: 188 Resp: 1837829

Ion Ratio Lower Upper

188 100

94 10.2 8.2 12.2

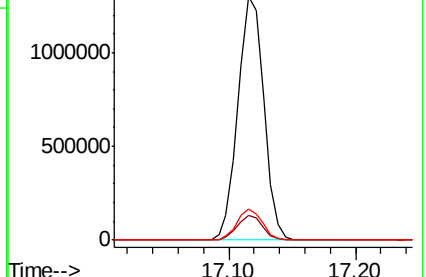
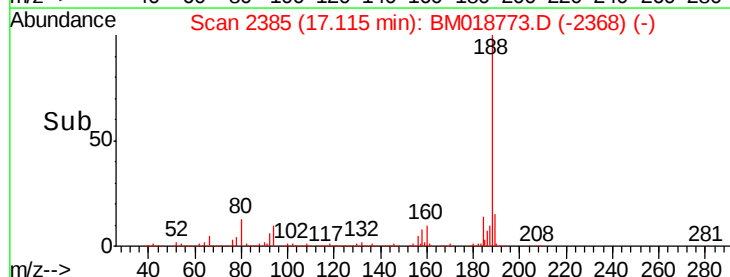
80 13.0 9.7 14.5

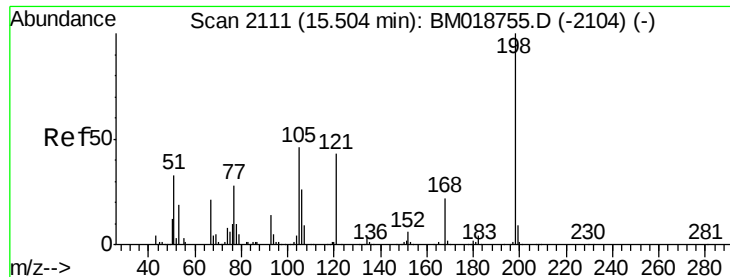


Abundance Ion 188.00 (187.70 to 188.70): BM018773.D (-2385) (-)

Ion 94.00 (93.70 to 94.70): BM018773.D (-2385) (-)

Ion 80.00 (79.70 to 80.70): BM018773.D (-2385) (-)

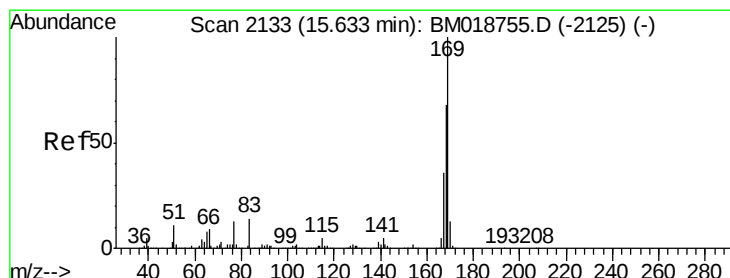
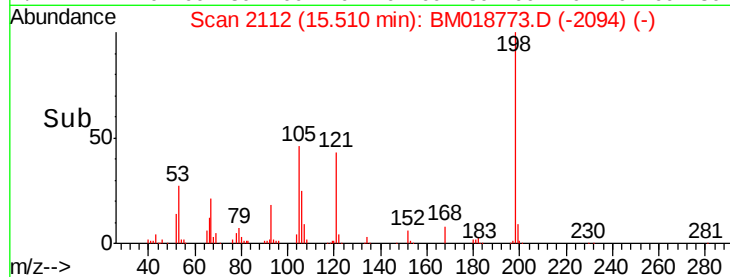
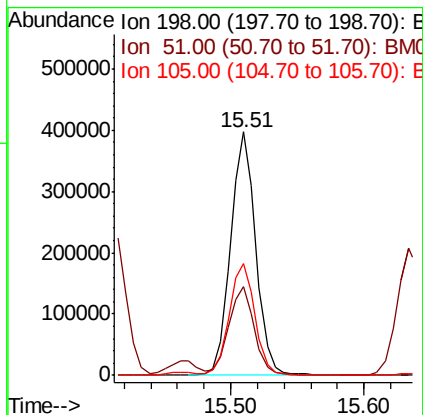
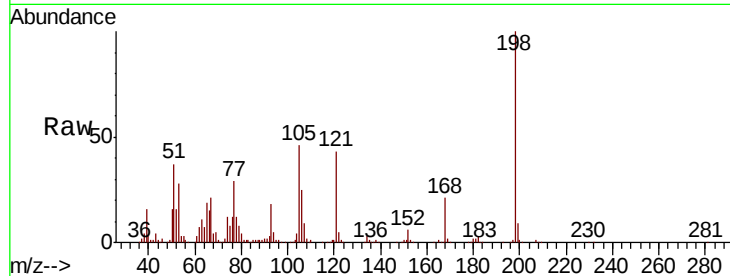




#65  
4,6-Dinitro-2-methylphenol  
Concen: 40.500 ng  
RT: 15.51 min Scan# 2112  
Delta R.T. 0.01 min  
Lab File: BM018773.D  
Acq: 12 Feb 2019 15:22

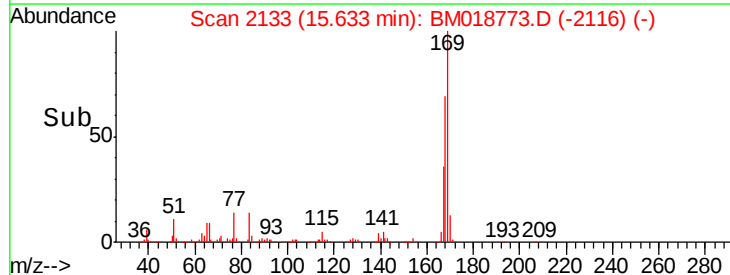
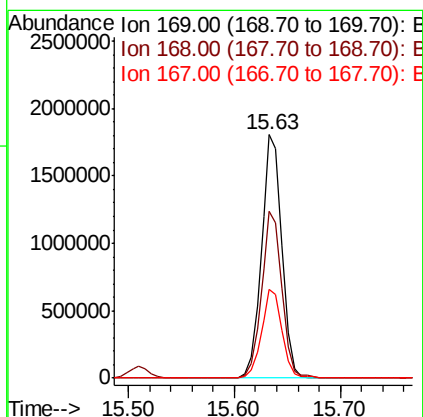
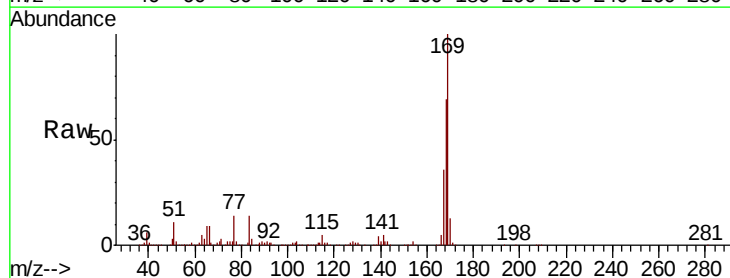
Instrument :  
BNA\_M  
ClientSampleId :  
PB117038BSD

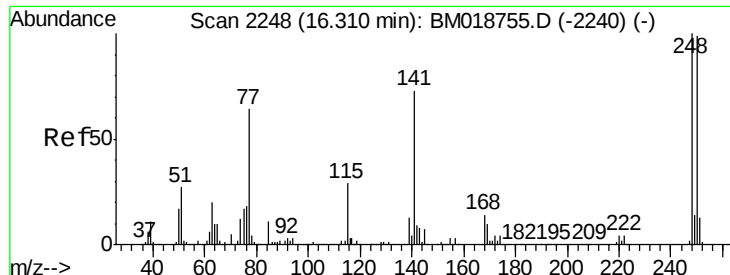
Tgt Ion:198 Resp: 522593  
Ion Ratio Lower Upper  
198 100  
51 36.7 18.4 58.4  
105 45.9 27.2 67.2



#66  
n-Nitrosodiphenylamine  
Concen: 41.675 ng  
RT: 15.63 min Scan# 2133  
Delta R.T. -0.00 min  
Lab File: BM018773.D  
Acq: 12 Feb 2019 15:22

Tgt Ion:169 Resp: 2419825  
Ion Ratio Lower Upper  
169 100  
168 68.7 54.4 81.6  
167 36.4 29.0 43.6

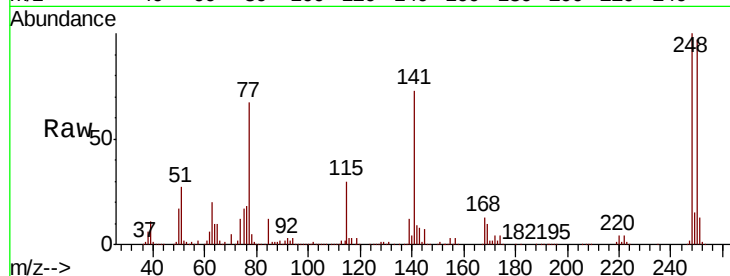




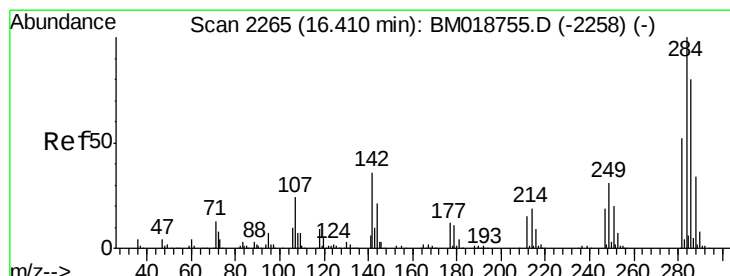
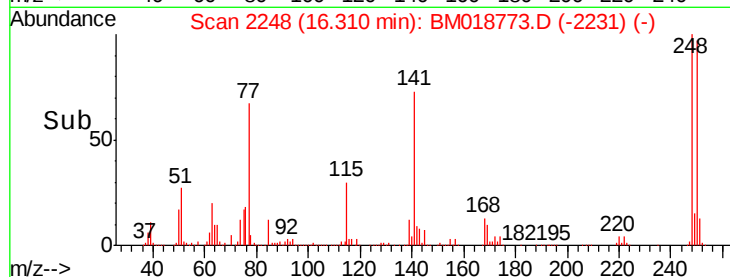
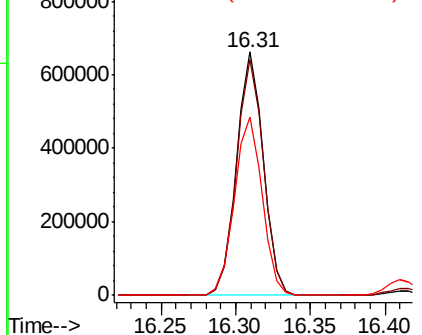
#67  
 4-Bromophenyl-phenylether  
 Concen: 40.404 ng  
 RT: 16.31 min Scan# 2248  
 Delta R.T. -0.00 min  
 Lab File: BM018773.D  
 Acq: 12 Feb 2019 15:22

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB117038BSD

Tgt Ion:248 Resp: 831168  
 Ion Ratio Lower Upper  
 248 100  
 250 97.1 79.0 118.6  
 141 73.4 58.6 88.0

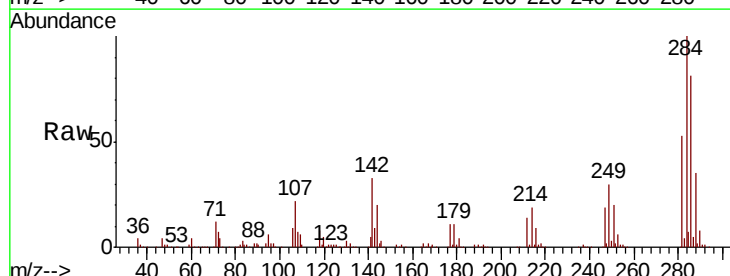


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

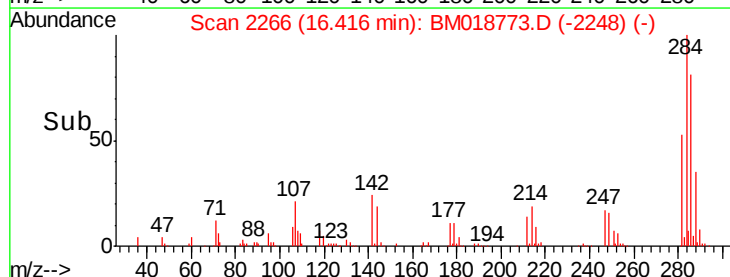
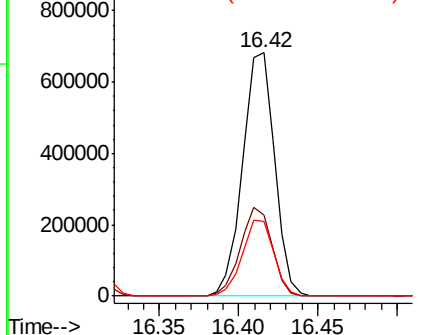


#68  
 Hexachlorobenzene  
 Concen: 39.992 ng  
 RT: 16.42 min Scan# 2266  
 Delta R.T. 0.01 min  
 Lab File: BM018773.D  
 Acq: 12 Feb 2019 15:22

Tgt Ion:284 Resp: 956250  
 Ion Ratio Lower Upper  
 284 100  
 142 33.4 28.9 43.3  
 249 30.4 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: 44.197 ng

RT: 16.59 min Scan# 2296

Delta R.T. 0.01 min

Lab File: BM018773.D

Acq: 12 Feb 2019 15:22

Instrument :

BNA\_M

ClientSampleId :

PB117038BSD

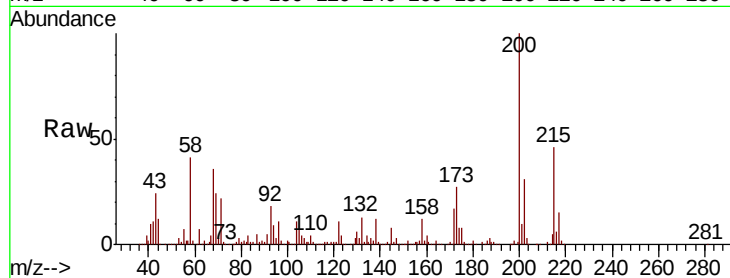
Tgt Ion:200 Resp: 827330

Ion Ratio Lower Upper

200 100

173 26.7 7.6 47.6

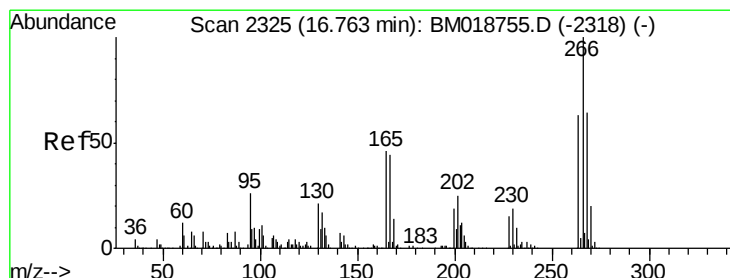
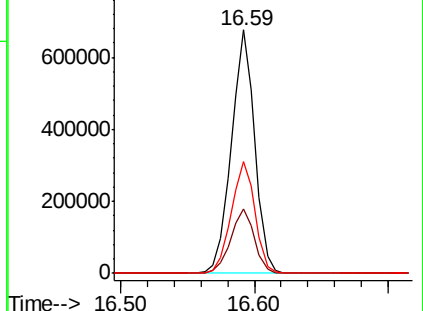
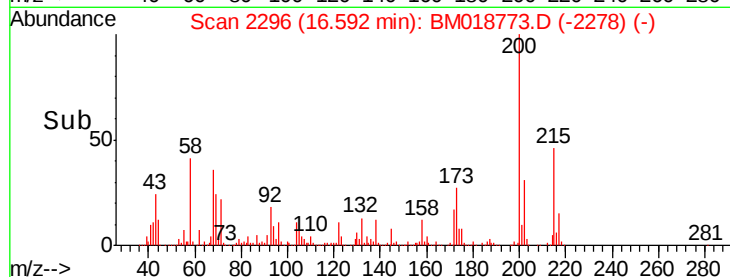
215 46.1 27.6 67.6



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: 82.627 ng

RT: 16.76 min Scan# 2325

Delta R.T. -0.00 min

Lab File: BM018773.D

Acq: 12 Feb 2019 15:22

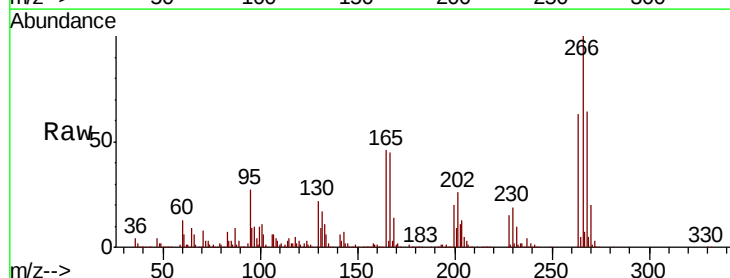
Tgt Ion:266 Resp: 1272104

Ion Ratio Lower Upper

266 100

268 63.9 51.3 76.9

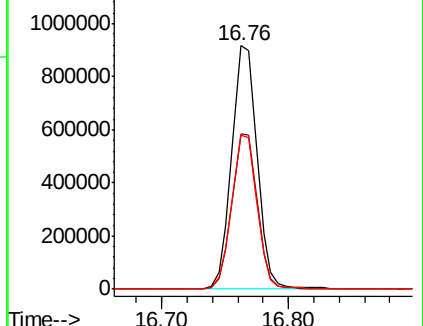
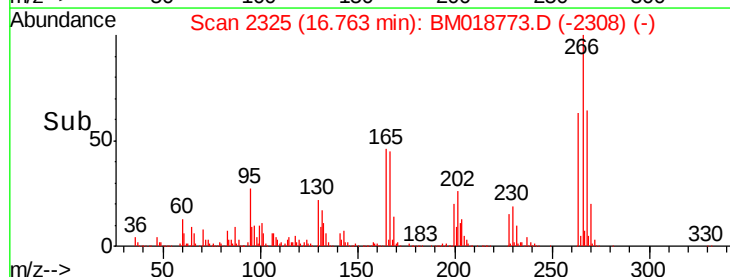
264 63.4 50.6 75.8

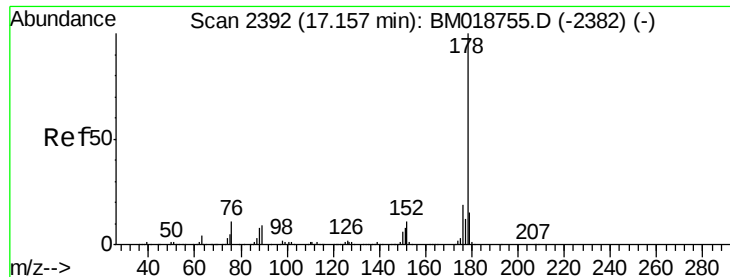


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

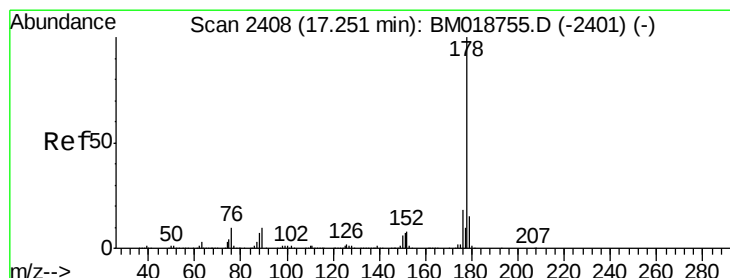
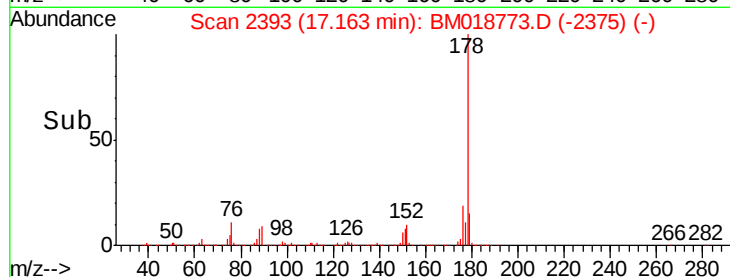
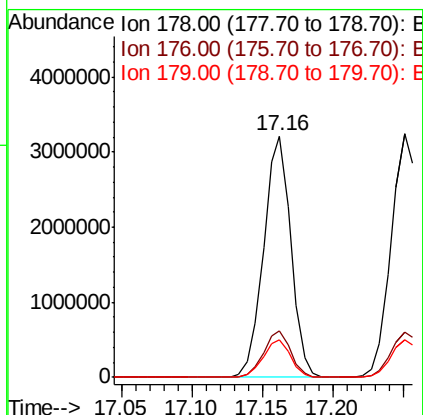
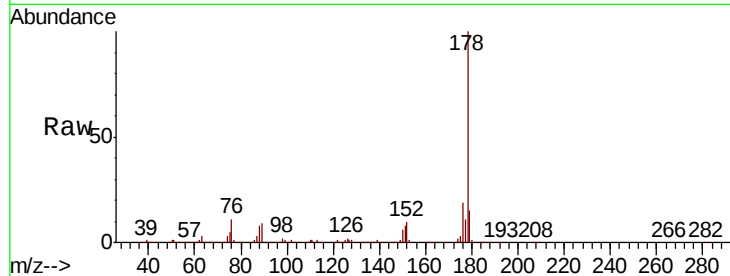




#71  
Phenanthrene  
Concen: 44.173 ng  
RT: 17.16 min Scan# 2393  
Delta R.T. 0.01 min  
Lab File: BM018773.D  
Acq: 12 Feb 2019 15:22

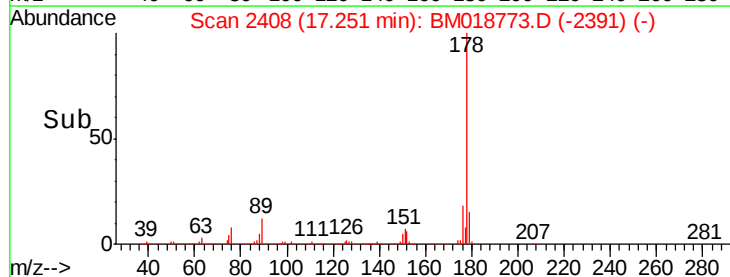
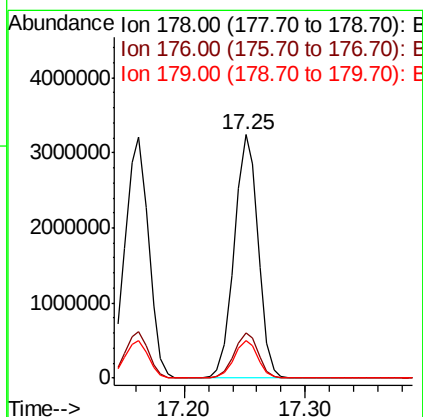
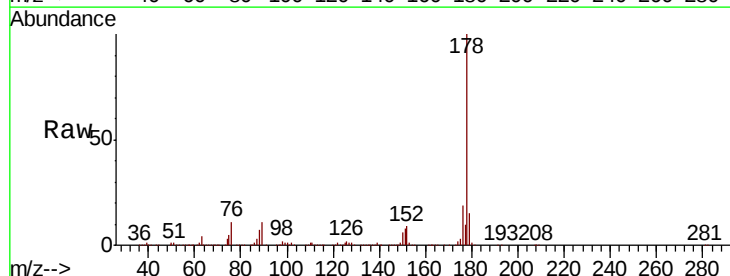
Instrument :  
BNA\_M  
ClientSampleId :  
PB117038BSD

Tgt Ion:178 Resp: 4362819  
Ion Ratio Lower Upper  
178 100  
176 19.1 15.4 23.0  
179 15.4 12.3 18.5



#72  
Anthracene  
Concen: 46.360 ng  
RT: 17.25 min Scan# 2408  
Delta R.T. -0.00 min  
Lab File: BM018773.D  
Acq: 12 Feb 2019 15:22

Tgt Ion:178 Resp: 4456789  
Ion Ratio Lower Upper  
178 100  
176 18.5 14.8 22.2  
179 15.4 12.1 18.1

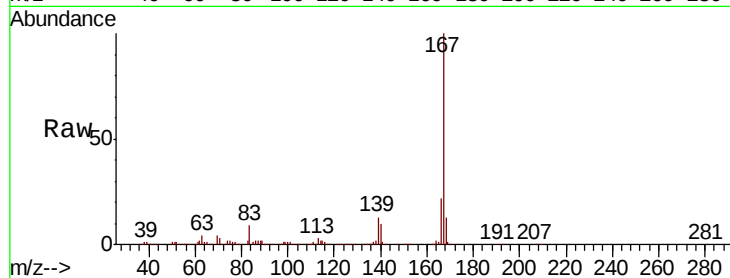




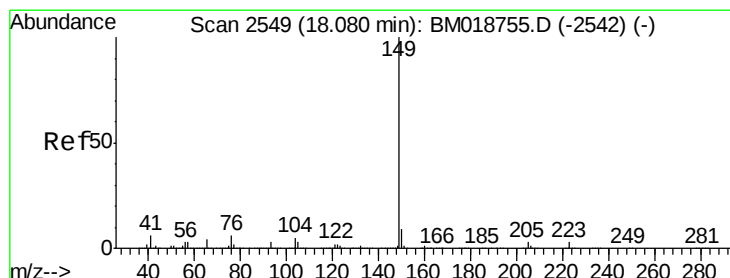
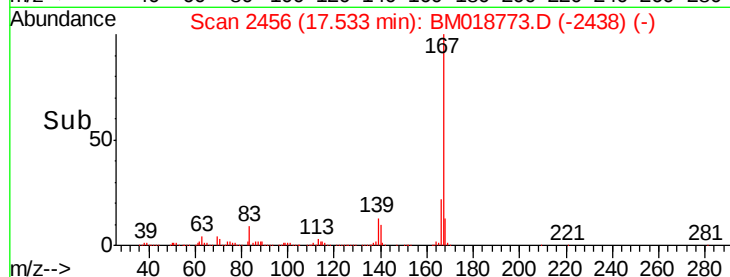
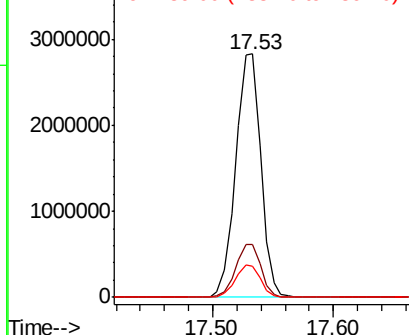
#73  
 Carbazole  
 Concen: 40.995 ng  
 RT: 17.53 min Scan# 2456  
 Delta R.T. 0.01 min  
 Lab File: BM018773.D  
 Acq: 12 Feb 2019 15:22

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB117038BSD

Tgt Ion:167 Resp: 4117380  
 Ion Ratio Lower Upper  
 167 100  
 166 21.8 17.7 26.5  
 139 13.0 10.9 16.3

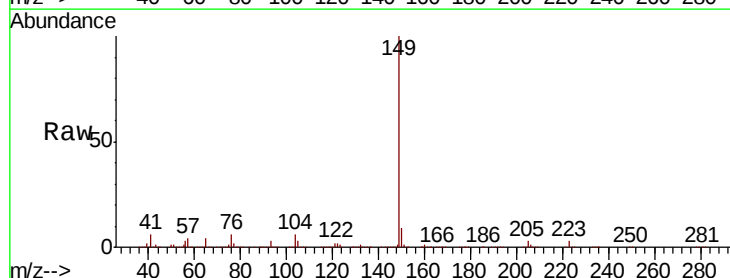


Abundance Ion 167.00 (166.70 to 167.70): E  
 Ion 166.00 (165.70 to 166.70): E  
 Ion 139.00 (138.70 to 139.70): E

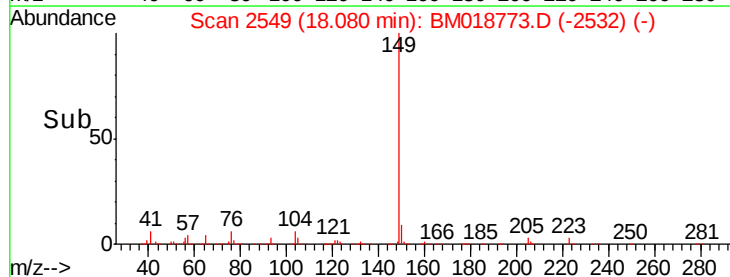
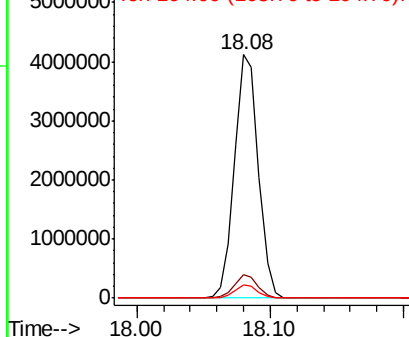


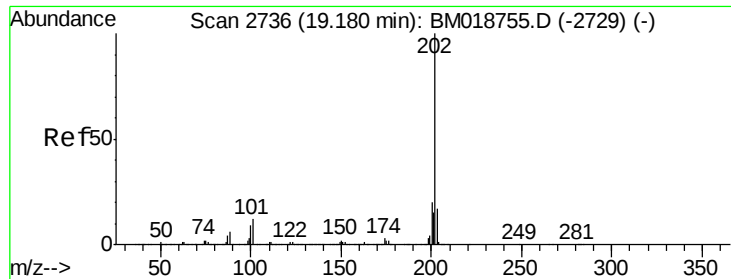
#74  
 Di-n-butylphthalate  
 Concen: 44.335 ng  
 RT: 18.08 min Scan# 2549  
 Delta R.T. -0.00 min  
 Lab File: BM018773.D  
 Acq: 12 Feb 2019 15:22

Tgt Ion:149 Resp: 5121124  
 Ion Ratio Lower Upper  
 149 100  
 150 9.4 7.4 11.0  
 104 5.6 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: 45.711 ng

RT: 19.18 min Scan# 2736

Delta R.T. -0.00 min

Lab File: BM018773.D

Acq: 12 Feb 2019 15:22

Instrument :

BNA\_M

ClientSampleId :

PB117038BSD

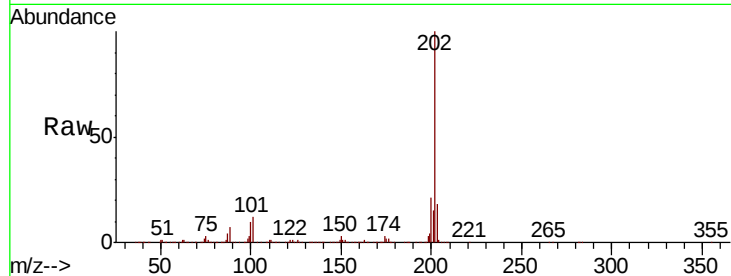
Tgt Ion:202 Resp: 5215078

Ion Ratio Lower Upper

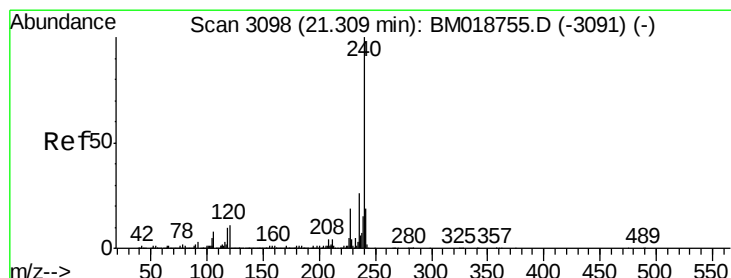
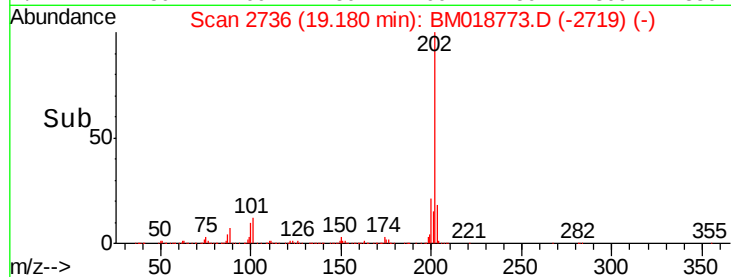
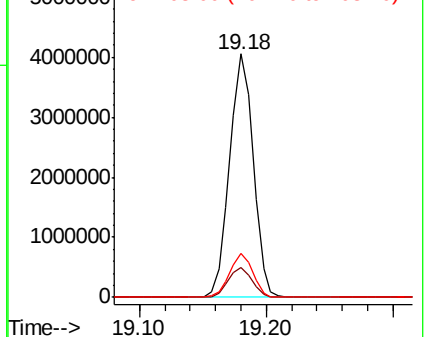
202 100

101 12.4 0.0 31.5

203 17.9 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: 21.31 min Scan# 3098

Delta R.T. -0.00 min

Lab File: BM018773.D

Acq: 12 Feb 2019 15:22

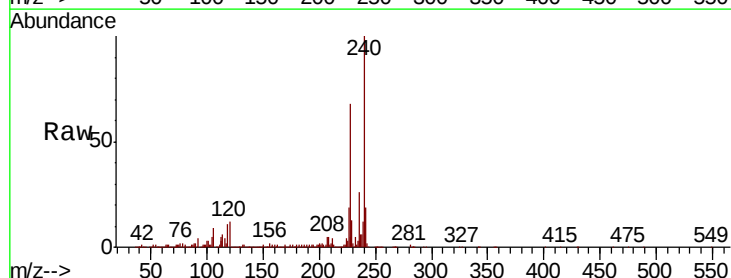
Tgt Ion:240 Resp: 2078547

Ion Ratio Lower Upper

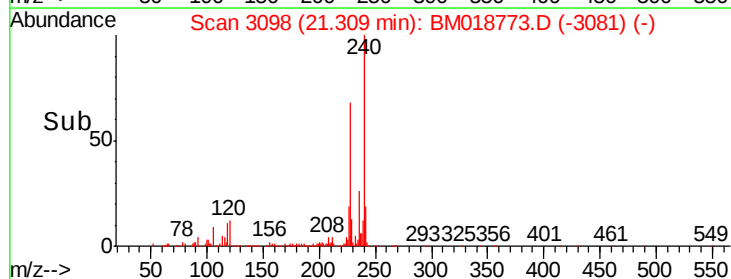
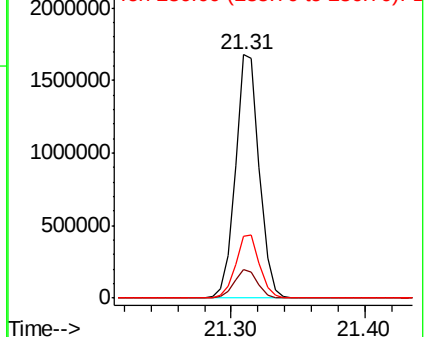
240 100

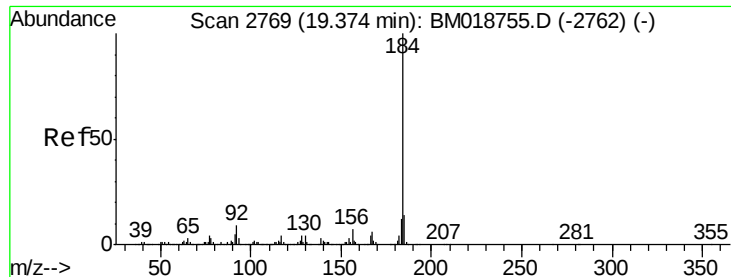
120 11.9 8.9 13.3

236 25.6 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

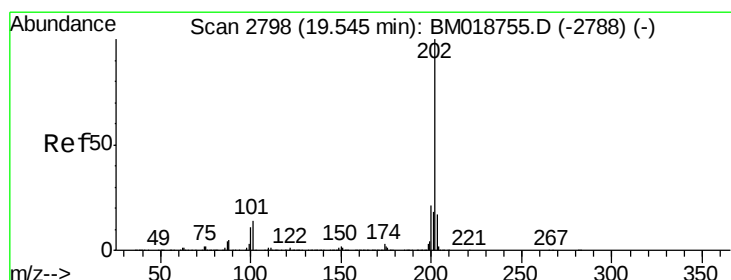
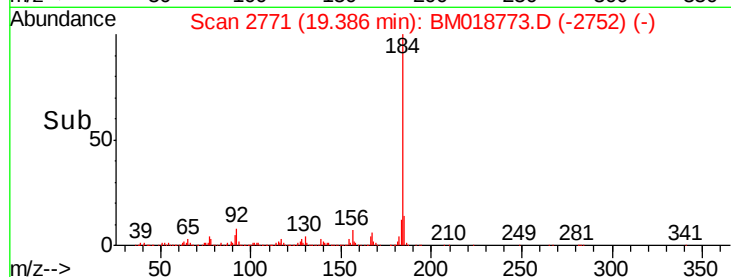
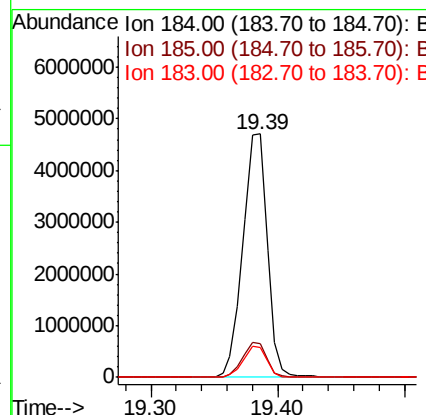
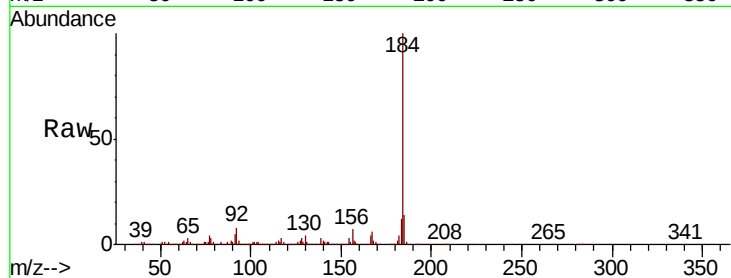




#77  
Benzidine  
Concen: 134.401 ng  
RT: 19.39 min Scan# 2771  
Delta R.T. 0.01 min  
Lab File: BM018773.D  
Acq: 12 Feb 2019 15:22

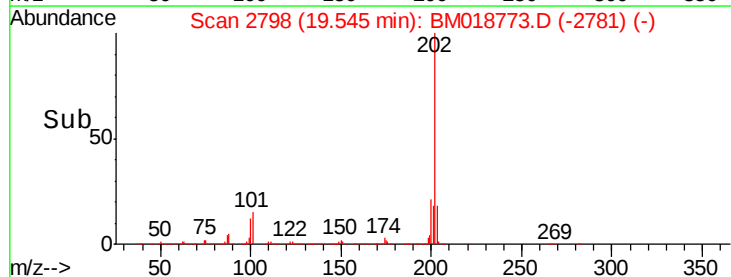
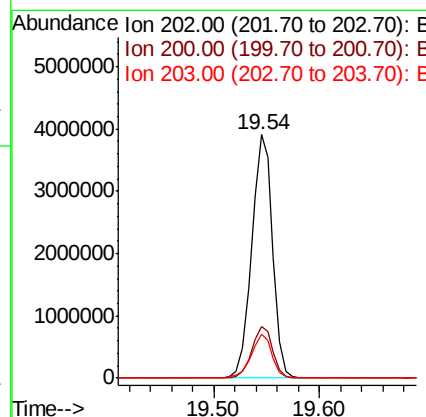
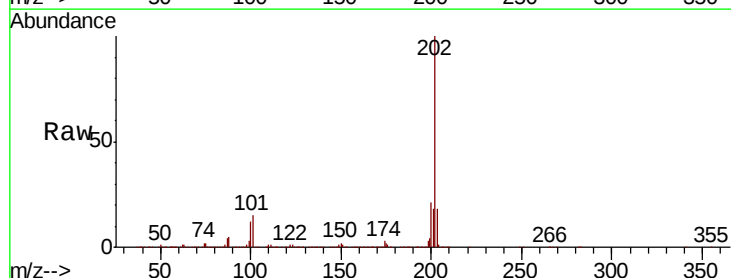
Instrument :  
BNA\_M  
ClientSampleId :  
PB117038BSD

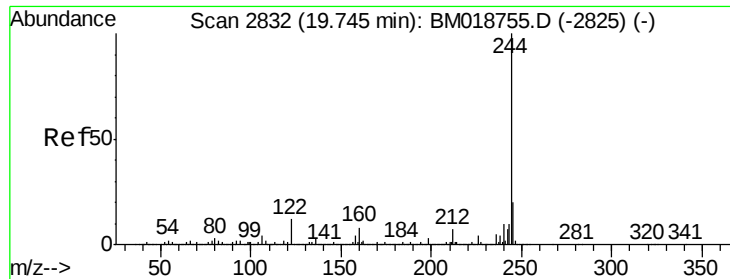
Tgt Ion:184 Resp: 6291564  
Ion Ratio Lower Upper  
184 100  
185 13.9 11.2 16.8  
183 12.4 9.7 14.5



#78  
Pyrene  
Concen: 44.240 ng  
RT: 19.54 min Scan# 2798  
Delta R.T. -0.00 min  
Lab File: BM018773.D  
Acq: 12 Feb 2019 15:22

Tgt Ion:202 Resp: 5340649  
Ion Ratio Lower Upper  
202 100  
200 21.1 16.9 25.3  
203 17.9 13.8 20.8

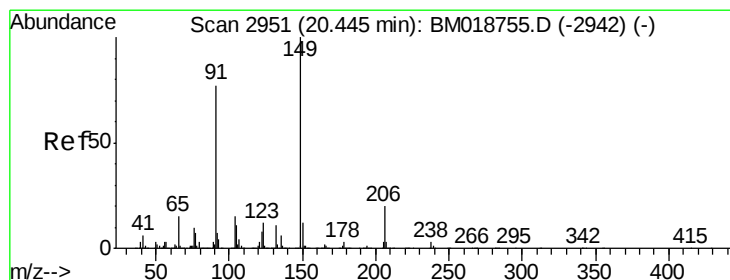
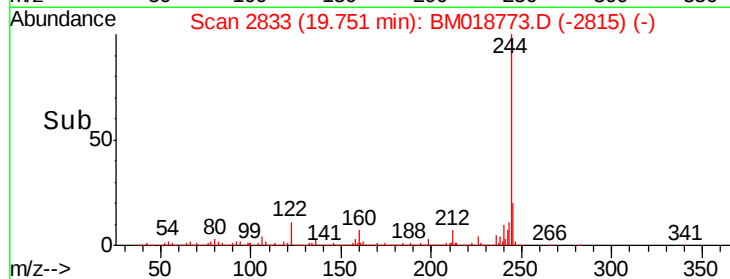
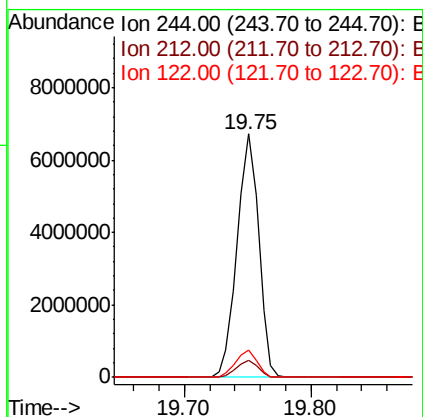
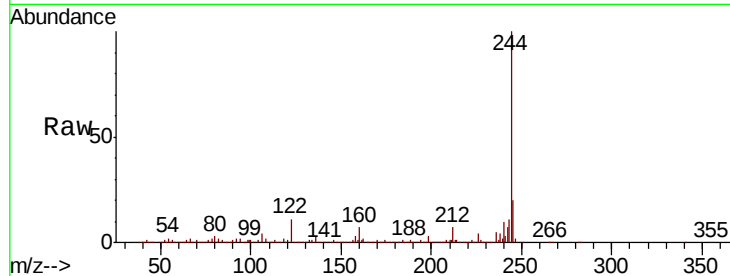




#79  
 Terphenyl-d14  
 Concen: 78.385 ng  
 RT: 19.75 min Scan# 2833  
 Delta R.T. 0.01 min  
 Lab File: BM018773.D  
 Acq: 12 Feb 2019 15:22

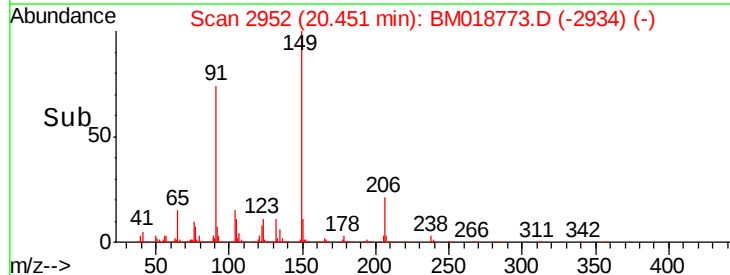
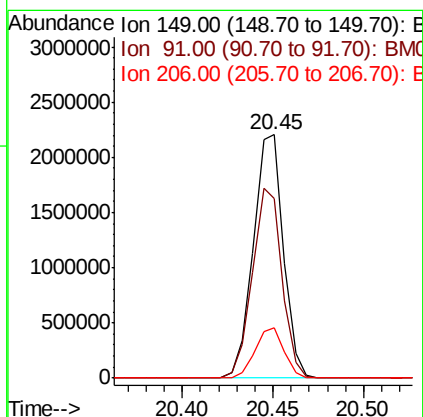
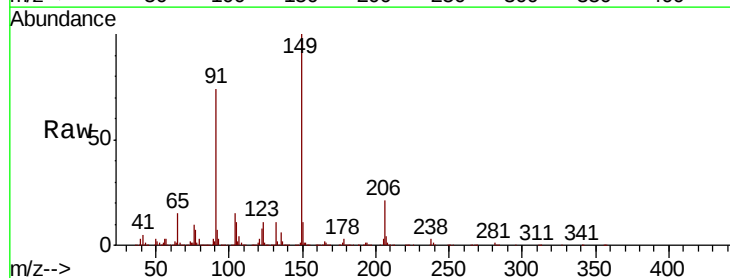
Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB117038BSD

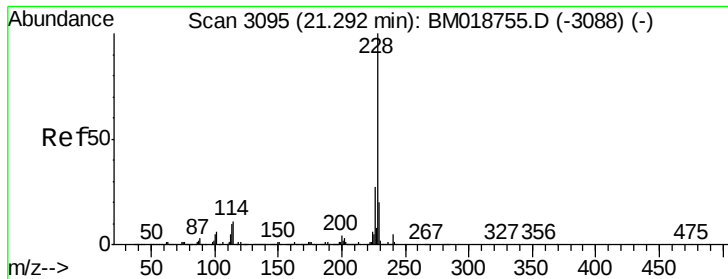
Tgt Ion:244 Resp: 7898010  
 Ion Ratio Lower Upper  
 244 100  
 212 7.0 5.6 8.4  
 122 11.2 9.3 13.9



#80  
 Butylbenzylphthalate  
 Concen: 46.184 ng  
 RT: 20.45 min Scan# 2952  
 Delta R.T. 0.01 min  
 Lab File: BM018773.D  
 Acq: 12 Feb 2019 15:22

Tgt Ion:149 Resp: 2540892  
 Ion Ratio Lower Upper  
 149 100  
 91 73.8 61.4 92.0  
 206 20.9 15.8 23.8





#81

Benzo(a)anthracene

Concen: 45.138 ng

RT: 21.30 min Scan# 3096

Delta R.T. 0.01 min

Lab File: BM018773.D

Acq: 12 Feb 2019 15:22

Instrument :

BNA\_M

ClientSampleId :

PB117038BSD

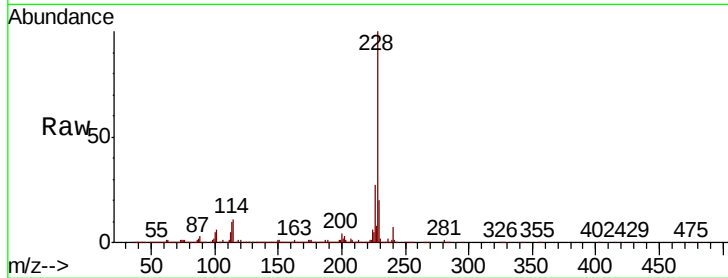
Tgt Ion:228 Resp: 5468983

Ion Ratio Lower Upper

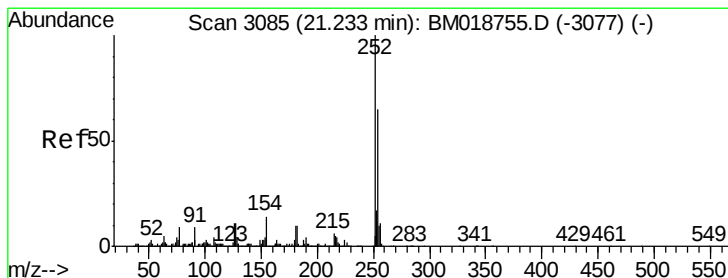
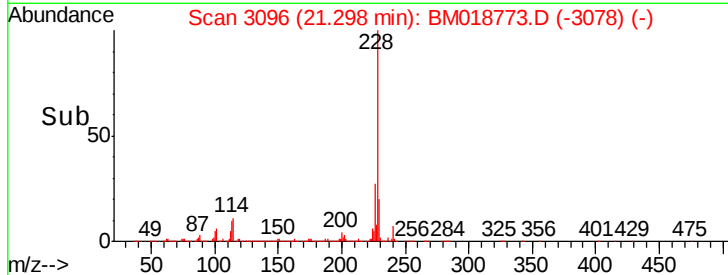
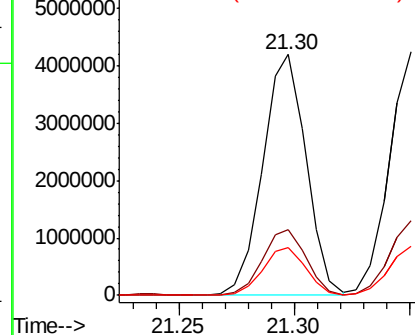
228 100

226 27.2 21.9 32.9

229 19.9 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: 45.317 ng

RT: 21.24 min Scan# 3086

Delta R.T. 0.01 min

Lab File: BM018773.D

Acq: 12 Feb 2019 15:22

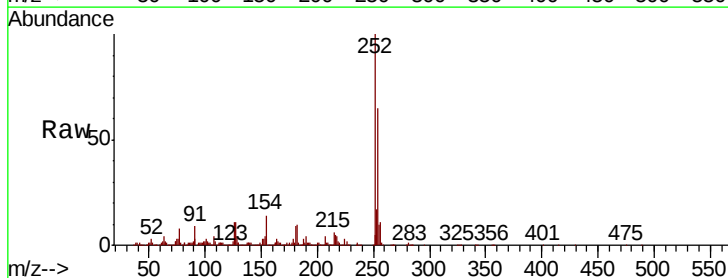
Tgt Ion:252 Resp: 2169999

Ion Ratio Lower Upper

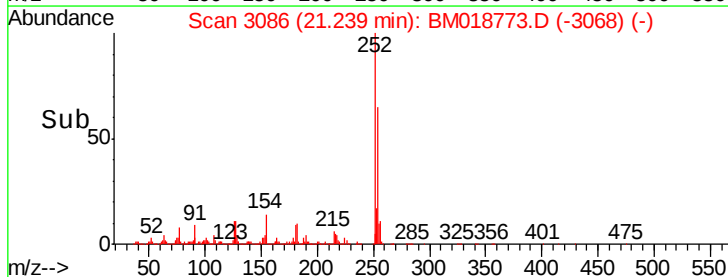
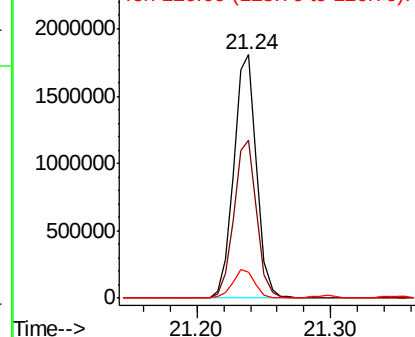
252 100

254 64.9 51.8 77.8

126 10.8 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: 43.621 ng

RT: 21.35 min Scan# 3105

Delta R.T. 0.01 min

Lab File: BM018773.D

Acq: 12 Feb 2019 15:22

Instrument :

BNA\_M

ClientSampleId :

PB117038BSD

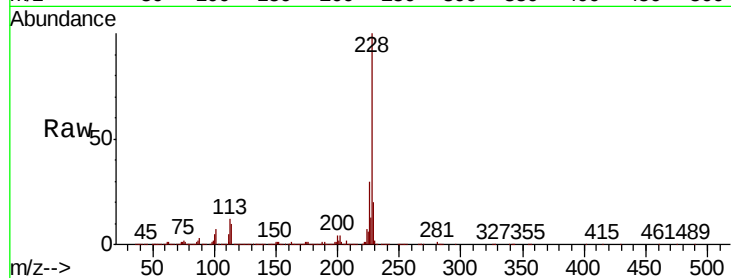
Tgt Ion:228 Resp: 5065855

Ion Ratio Lower Upper

228 100

226 30.5 24.1 36.1

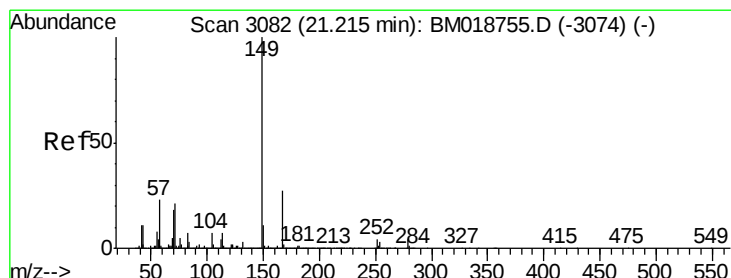
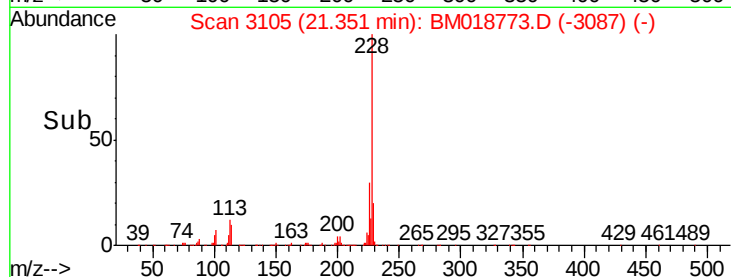
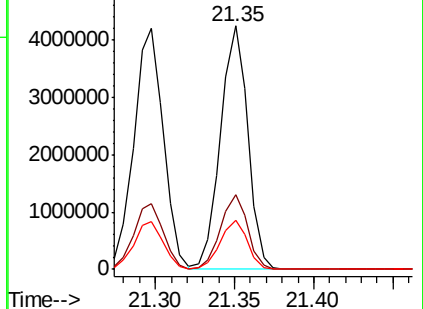
229 20.0 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 45.416 ng

RT: 21.22 min Scan# 3082

Delta R.T. -0.00 min

Lab File: BM018773.D

Acq: 12 Feb 2019 15:22

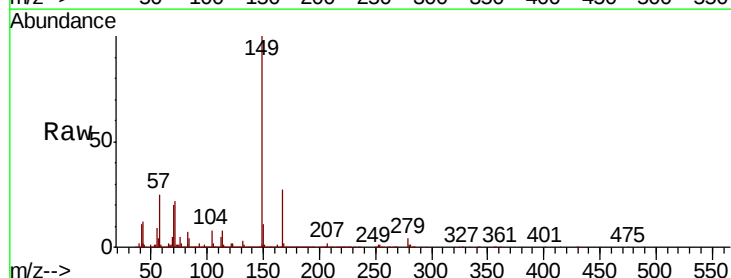
Tgt Ion:149 Resp: 3657016

Ion Ratio Lower Upper

149 100

167 27.1 21.8 32.6

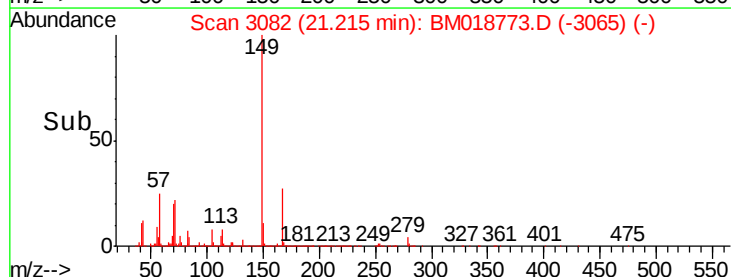
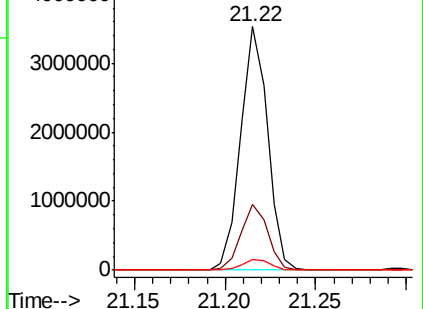
279 4.3 3.6 5.4

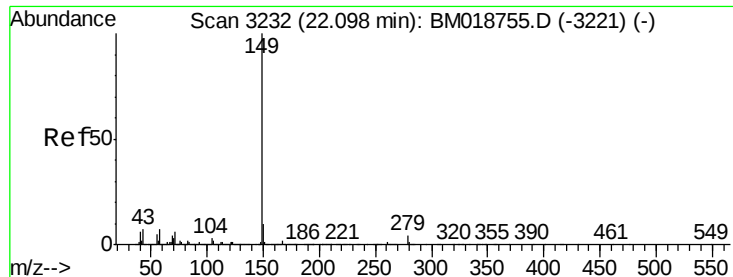


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 47.128 ng

RT: 22.10 min Scan# 3232

Delta R.T. -0.00 min

Lab File: BM018773.D

Acq: 12 Feb 2019 15:22

Instrument :

BNA\_M

ClientSampleId :

PB117038BSD

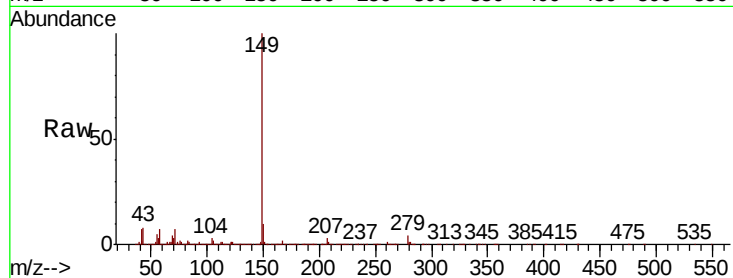
Tgt Ion:149 Resp: 6378069

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

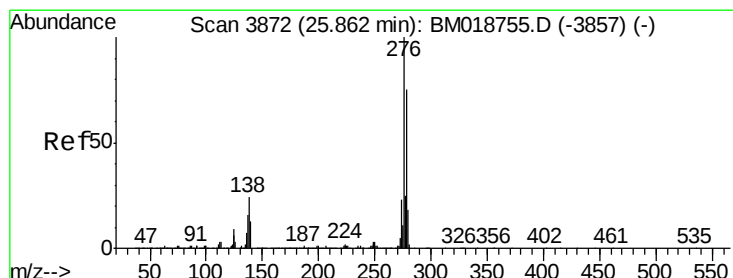
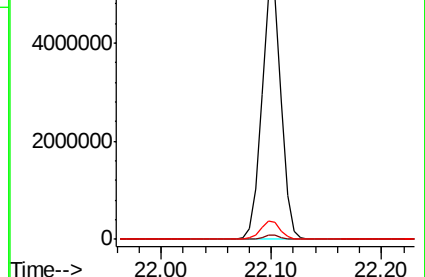
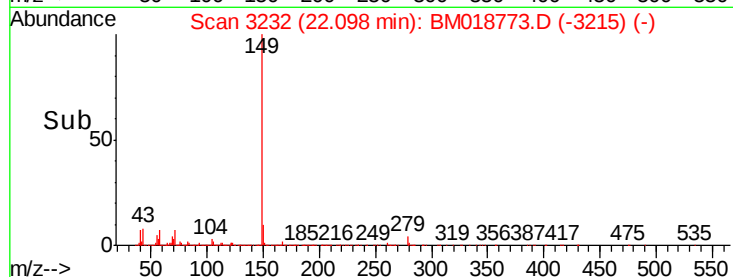
43 7.4 6.0 9.0



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: 42.089 ng

RT: 25.87 min Scan# 3874

Delta R.T. 0.01 min

Lab File: BM018773.D

Acq: 12 Feb 2019 15:22

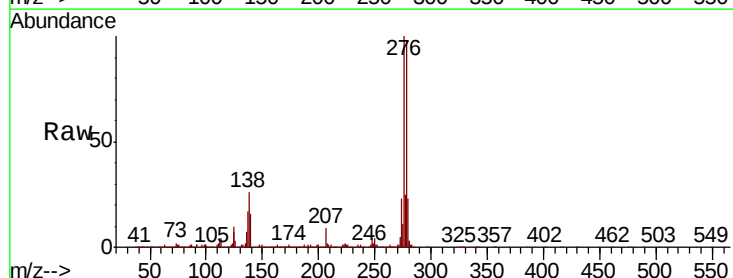
Tgt Ion:276 Resp: 5643283

Ion Ratio Lower Upper

276 100

138 25.1 20.2 30.4

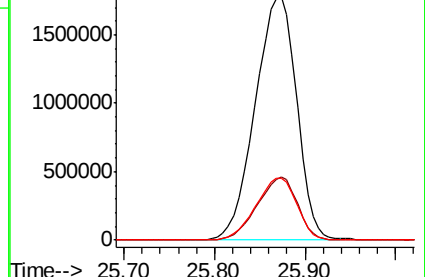
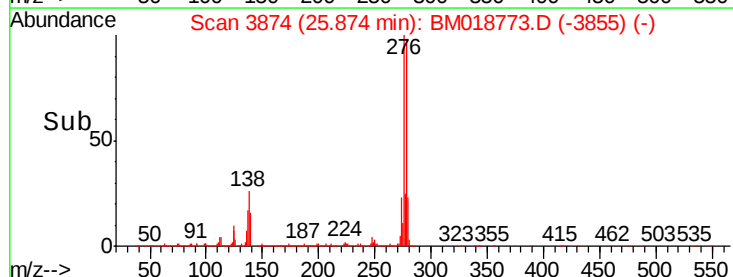
277 25.4 20.3 30.5

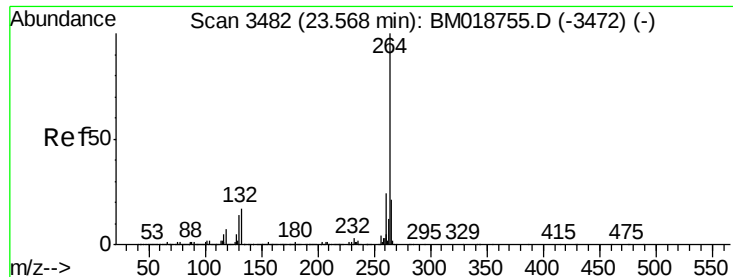


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Perylene-d12

Concen: 20.000 ng

RT: 23.57 min Scan# 3483

Delta R.T. 0.01 min

Lab File: BM018773.D

Acq: 12 Feb 2019 15:22

Instrument :

BNA\_M

ClientSampleId :

PB117038BSD

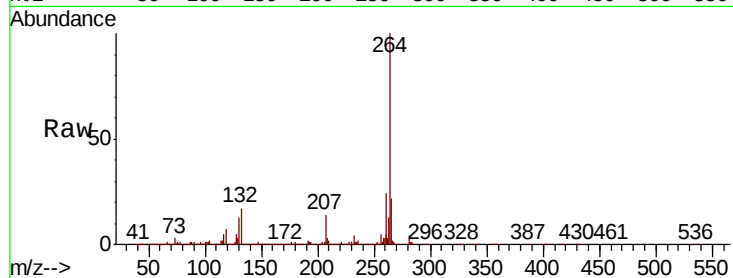
Tgt Ion:264 Resp: 2041833

Ion Ratio Lower Upper

264 100

260 24.0 18.9 28.3

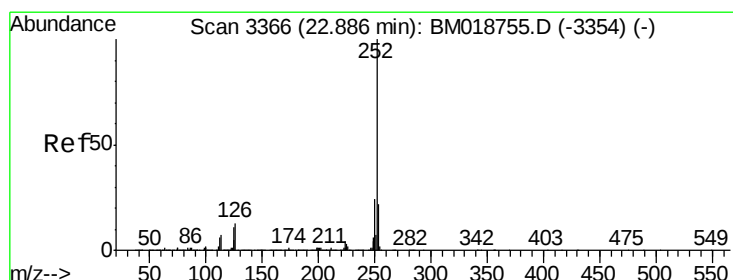
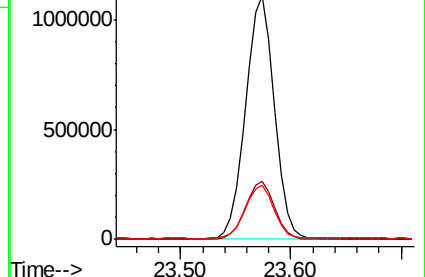
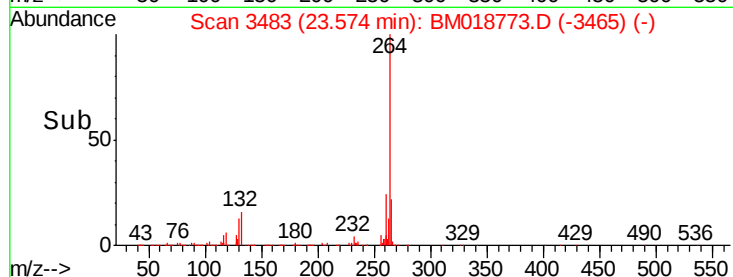
265 22.1 17.3 25.9



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: 47.691 ng

RT: 22.89 min Scan# 3367

Delta R.T. 0.01 min

Lab File: BM018773.D

Acq: 12 Feb 2019 15:22

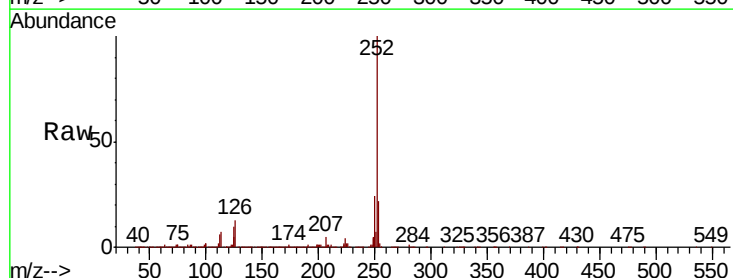
Tgt Ion:252 Resp: 5571333

Ion Ratio Lower Upper

252 100

253 22.0 17.8 26.6

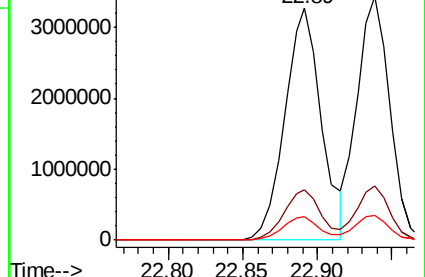
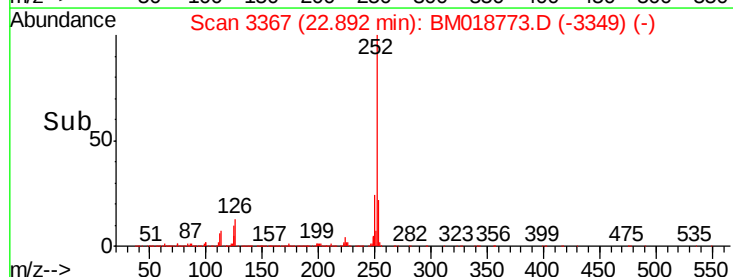
125 10.3 8.6 12.8

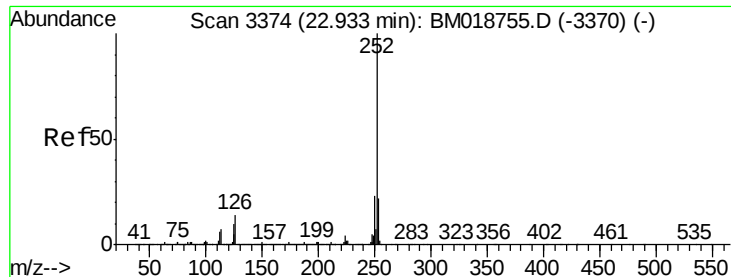


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 44.881 ng

RT: 22.94 min Scan# 3375

Delta R.T. 0.01 min

Lab File: BM018773.D

Acq: 12 Feb 2019 15:22

Instrument :

BNA\_M

ClientSampleId :

PB117038BSD

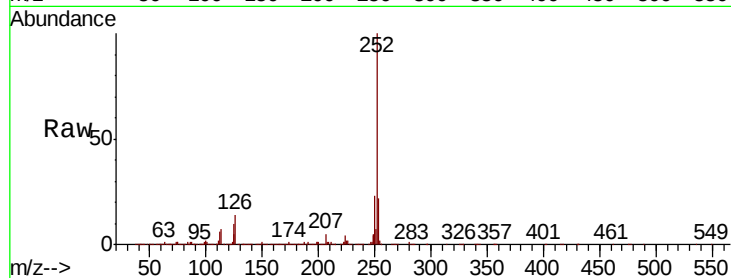
Tgt Ion:252 Resp: 5219753

Ion Ratio Lower Upper

252 100

253 22.1 17.7 26.5

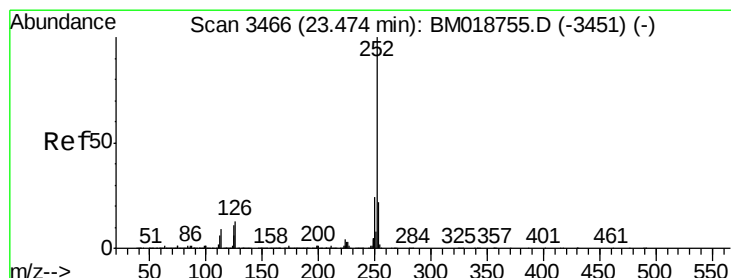
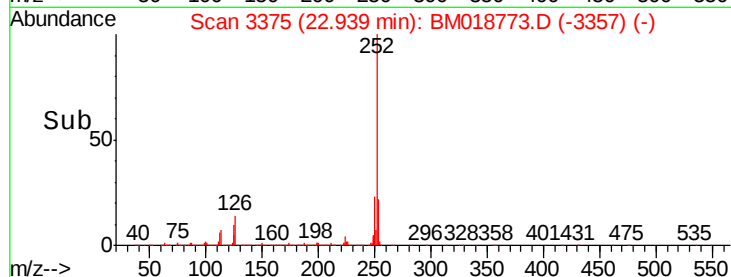
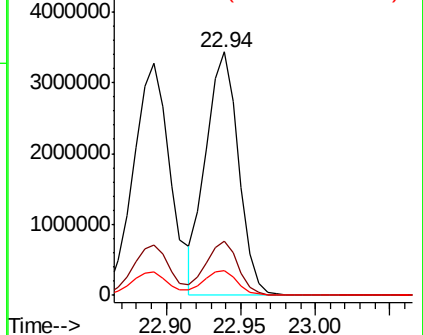
125 10.3 8.2 12.4



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 46.751 ng

RT: 23.47 min Scan# 3466

Delta R.T. -0.00 min

Lab File: BM018773.D

Acq: 12 Feb 2019 15:22

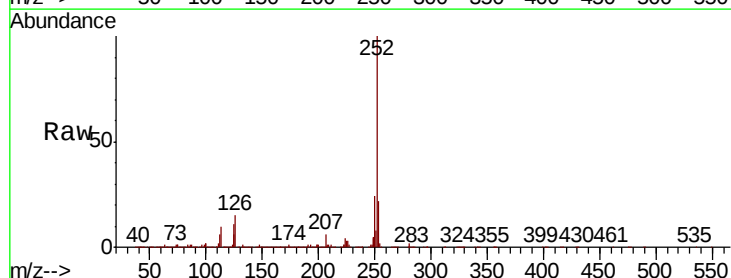
Tgt Ion:252 Resp: 5173765

Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.0

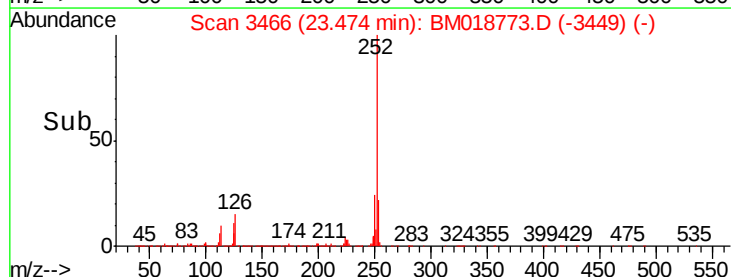
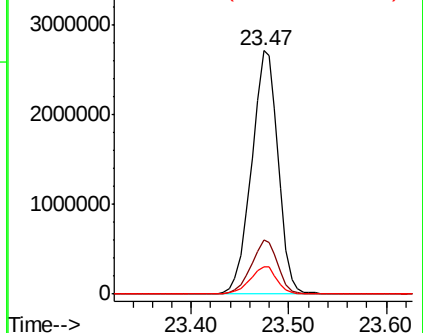
125 11.4 8.6 13.0

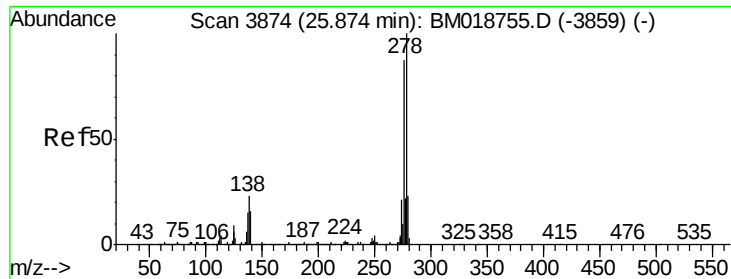


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 43.981 ng

RT: 25.88 min Scan# 3875

Delta R.T. 0.01 min

Lab File: BM018773.D

Acq: 12 Feb 2019 15:22

Instrument :

BNA\_M

ClientSampleId :

PB117038BSD

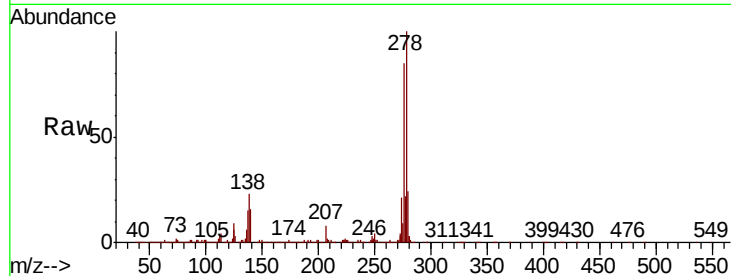
Tgt Ion:278 Resp: 4822202

Ion Ratio Lower Upper

278 100

139 16.3 12.6 18.8

279 24.2 18.6 28.0

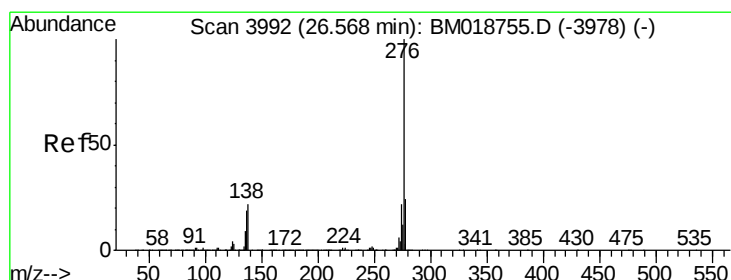
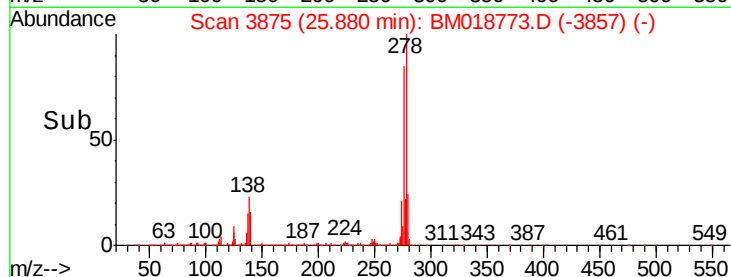
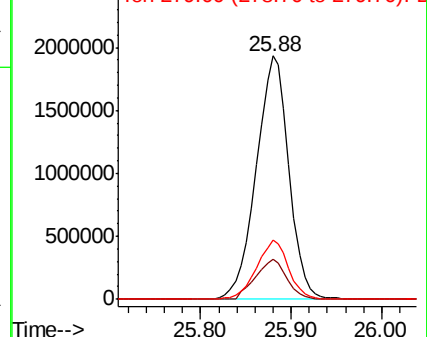


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 43.229 ng

RT: 26.57 min Scan# 3993

Delta R.T. 0.01 min

Lab File: BM018773.D

Acq: 12 Feb 2019 15:22

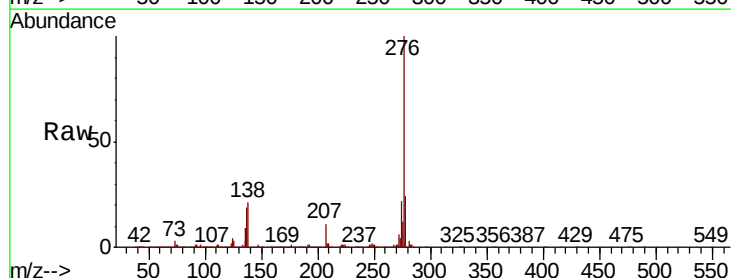
Tgt Ion:276 Resp: 4412614

Ion Ratio Lower Upper

276 100

277 23.7 19.2 28.8

138 21.4 17.3 25.9



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

