

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA M\DATA\BM052218\  
 Data File : BM015252.D  
 Acq On : 22 May 2018 22:26  
 Operator : SJ/JU  
 Sample : J2133-07  
 Misc : LOD 1 PPM  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: May 23 04:09:46 2018  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM052218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 22 15:47:28 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.40  | 152  | 198652   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 11.25 | 136  | 788740   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 15.02 | 164  | 404521   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 17.73 | 188  | 843656   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 21.83 | 240  | 829879   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 24.27 | 264  | 838037   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.89  | 112 | 1652052 | 136.06 | ng | 0.00 |
| 7) Phenol-d6             | 7.55  | 99  | 2091775 | 132.30 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 9.59  | 82  | 1201690 | 83.46  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.49 | 330 | 715727  | 141.10 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 13.65 | 172 | 2667103 | 81.96  | ng | 0.00 |
| 78) Terphenyl-d14        | 20.29 | 244 | 3481618 | 92.64  | ng | 0.00 |

## Target Compounds

|                                |       |     |       |       |    | Qvalue |
|--------------------------------|-------|-----|-------|-------|----|--------|
| 2) 1,4-Dioxane                 | 3.63  | 88  | 5564  | 1.109 | ng | # 100  |
| 4) n-Nitrosodimethylamine      | 4.01  | 42  | 3778  | 0.543 | ng | # 58   |
| 6) Aniline                     | 7.73  | 93  | 16116 | 0.827 | ng | 95     |
| 8) 2-Chlorophenol              | 7.96  | 128 | 13219 | 0.965 | ng | 88     |
| 9) Benzaldehyde                | 7.55  | 77  | 10014 | 1.001 | ng | # 52   |
| 10) Phenol                     | 7.57  | 94  | 15496 | 0.965 | ng | # 67   |
| 11) bis(2-Chloroethyl)ether    | 7.82  | 93  | 12006 | 0.943 | ng | 94     |
| 12) 1,3-Dichlorobenzene        | 8.30  | 146 | 15312 | 0.980 | ng | 96     |
| 13) 1,4-Dichlorobenzene        | 8.45  | 146 | 15724 | 0.995 | ng | # 95   |
| 14) 1,2-Dichlorobenzene        | 8.76  | 146 | 15379 | 1.026 | ng | # 93   |
| 15) Benzyl Alcohol             | 8.66  | 79  | 8572  | 0.750 | ng | 94     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.94  | 45  | 20158 | 1.003 | ng | 99     |
| 17) 2-Methylphenol             | 8.86  | 107 | 9073  | 0.850 | ng | # 93   |
| 18) Hexachloroethane           | 9.50  | 117 | 4981  | 0.888 | ng | 90     |
| 19) n-Nitroso-di-n-propylamine | 9.22  | 70  | 7762  | 0.770 | ng | # 90   |
| 20) 3+4-Methylphenols          | 9.19  | 107 | 11630 | 0.821 | ng | 94     |
| 22) Acetophenone               | 9.26  | 105 | 17842 | 0.943 | ng | # 95   |
| 24) Nitrobenzene               | 9.63  | 77  | 15571 | 1.039 | ng | 97     |
| 25) Isophorone                 | 10.16 | 82  | 18976 | 0.767 | ng | 96     |
| 26) 2-Nitrophenol              | 10.36 | 139 | 3805  | 0.566 | ng | # 70   |
| 27) 2,4-Dimethylphenol         | 10.40 | 122 | 7506  | 0.615 | ng | 97     |
| 28) bis(2-Chloroethoxy)methane | 10.63 | 93  | 13086 | 0.808 | ng | # 87   |
| 29) 2,4-Dichlorophenol         | 10.89 | 162 | 7584  | 0.656 | ng | 88     |
| 30) 1,2,4-Trichlorobenzene     | 11.10 | 180 | 13598 | 0.999 | ng | 90     |
| 31) Naphthalene                | 11.29 | 128 | 40905 | 0.998 | ng | 98     |
| 32) Benzoic acid               | 10.46 | 122 | 3913  | 0.554 | ng | 85     |
| 33) 4-Chloroaniline            | 11.41 | 127 | 12146 | 0.742 | ng | # 88   |
| 34) Hexachlorobutadiene        | 11.56 | 225 | 8462  | 1.046 | ng | 96     |
| 35) Caprolactam                | 12.16 | 113 | 1357  | 0.415 | ng | # 89   |
| 36) 4-Chloro-3-methylphenol    | 12.50 | 107 | 7409  | 0.628 | ng | # 96   |
| 37) 2-Methylnaphthalene        | 12.87 | 142 | 24868 | 0.875 | ng | 98     |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.23 | 216 | 14010 | 0.983 | ng | # 100  |
| 40) Hexachlorocyclopentadiene  | 13.21 | 237 | 2271  | 5.499 | ng | # 71   |
| 42) 2,4,6-Trichlorophenol      | 13.47 | 196 | 5448  | 0.636 | ng | 95     |

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA M\DATA\BM052218\  
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 Acq On : 22 May 2018 22:26  
 Operator : SJ/JU  
 Sample : J2133-07  
 Misc : LOD 1 PPM  
 ALS Vial : 11 Sample Multiplier: 1

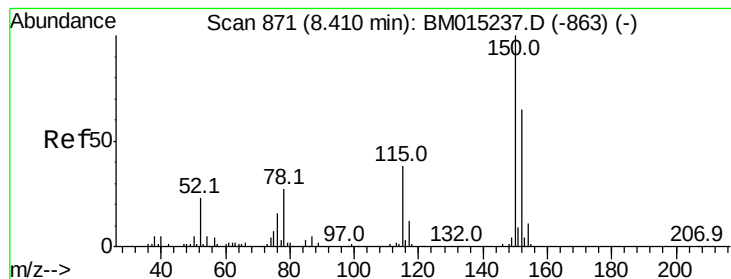
Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: May 23 04:09:46 2018  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM052218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 22 15:47:28 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 43) 2,4,5-Trichlorophenol      | 13.55 | 196  | 6391     | 0.691 | ng    | # 86     |
| 45) 1,1'-Biphenyl              | 13.86 | 154  | 40301    | 1.139 | ng    | 97       |
| 46) 2-Chloronaphthalene        | 13.91 | 162  | 26614    | 0.977 | ng    | 94       |
| 47) 2-Nitroaniline             | 14.12 | 65   | 4667     | 0.601 | ng    | # 74     |
| 48) Acenaphthylene             | 14.75 | 152  | 32908    | 0.813 | ng    | 98       |
| 49) Dimethylphthalate          | 14.46 | 163  | 29840    | 0.924 | ng    | # 95     |
| 50) 2,6-Dinitrotoluene         | 14.59 | 165  | 4147     | 0.616 | ng    | 93       |
| 51) Acenaphthene               | 15.08 | 154  | 25586    | 1.015 | ng    | 92       |
| 52) 3-Nitroaniline             | 14.93 | 138  | 3197     | 0.451 | ng    | # 70     |
| 53) 2,4-Dinitrophenol          | 15.15 | 184  | 491      | 6.657 | ng    | # 39     |
| 54) Dibenzofuran               | 15.41 | 168  | 39088    | 0.984 | ng    | 98       |
| 55) 4-Nitrophenol              | 15.24 | 139  | 1298     | 0.226 | ng    | # 60     |
| 56) 2,4-Dinitrotoluene         | 15.38 | 165  | 4410     | 0.478 | ng    | # 83     |
| 57) Fluorene                   | 16.05 | 166  | 28211    | 0.898 | ng    | 96       |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.63 | 232  | 4397     | 0.555 | ng    | # 100    |
| 59) Diethylphthalate           | 15.80 | 149  | 27226    | 0.856 | ng    | 98       |
| 60) 4-Chlorophenyl-phenylether | 16.03 | 204  | 14188    | 0.887 | ng    | 96       |
| 61) 4-Nitroaniline             | 16.08 | 138  | 2415     | 0.326 | ng    | # 57     |
| 62) Azobenzene                 | 16.33 | 77   | 20760    | 0.687 | ng    | 90       |
| 64) 4,6-Dinitro-2-methylphenol | 16.13 | 198  | 1484     | 0.319 | ng    | # 68     |
| 65) n-Nitrosodiphenylamine     | 16.25 | 169  | 22254    | 0.821 | ng    | 98       |
| 66) 4-Bromophenyl-phenylether  | 16.92 | 248  | 7830     | 0.831 | ng    | # 79     |
| 67) Hexachlorobenzene          | 17.04 | 284  | 10476    | 0.965 | ng    | # 88     |
| 68) Atrazine                   | 17.17 | 200  | 4499     | 0.523 | ng    | 91       |
| 69) Pentachlorophenol          | 17.39 | 266  | 2934     | 0.486 | ng    | 98       |
| 70) Phenanthrene               | 17.78 | 178  | 47233    | 0.983 | ng    | 99       |
| 71) Anthracene                 | 17.87 | 178  | 39285    | 0.820 | ng    | 98       |
| 72) Carbazole                  | 18.13 | 167  | 33366    | 0.787 | ng    | 98       |
| 73) Di-n-butylphthalate        | 18.65 | 149  | 34673    | 0.694 | ng    | # 97     |
| 74) Fluoranthene               | 19.75 | 202  | 45454    | 0.862 | ng    | 95       |
| 76) Benzidine                  | 19.93 | 184  | 10705    | 0.412 | ng    | 98       |
| 77) Pyrene                     | 20.11 | 202  | 47557    | 0.908 | ng    | 98       |
| 79) Butylbenzylphthalate       | 20.95 | 149  | 14580    | 0.682 | ng    | 92       |
| 80) Benzo(a)anthracene         | 21.82 | 228  | 48559    | 0.929 | ng    | 97       |
| 81) 3,3'-Dichlorobenzidine     | 21.74 | 252  | 14803    | 0.764 | ng    | 88       |
| 82) Chrysene                   | 21.87 | 228  | 49254    | 1.000 | ng    | 97       |
| 83) Bis(2-ethylhexyl)phthalate | 21.70 | 149  | 20191    | 0.649 | ng    | 96       |
| 84) Di-n-octyl phthalate       | 22.63 | 149  | 32540    | 0.598 | ng    | # 92     |
| 85) Indeno(1,2,3-cd)pyrene     | 26.79 | 276  | 51555    | 0.865 | ng    | # 91     |
| 87) Benzo(b)fluoranthene       | 23.52 | 252  | 48471    | 0.914 | ng    | 96       |
| 88) Benzo(k)fluoranthene       | 23.57 | 252  | 44972    | 0.897 | ng    | # 87     |
| 89) Benzo(a)pyrene             | 24.16 | 252  | 41142    | 0.832 | ng    | # 91     |
| 90) Dibenzo(a,h)anthracene     | 26.79 | 278  | 44752    | 0.887 | ng    | 98       |
| 91) Benzo(g,h,i)perylene       | 27.57 | 276  | 43774    | 0.891 | ng    | 96       |

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





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.40 min Scan# 870

Delta R.T. -0.01 min

Lab File: BM015252.D

Acq: 22 May 2018 22:26

Instrument :

BNA\_M

ClientSampled :

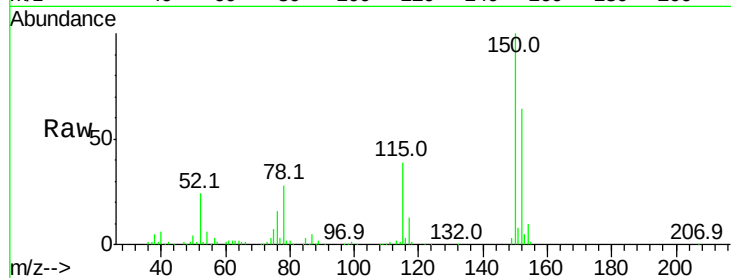
Tot Ion:152 Resp: 198652

Ion Ratio Lower Upper

152 100

150 156.5 119.5 179.3

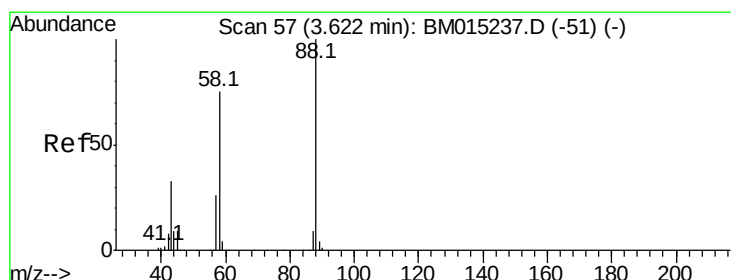
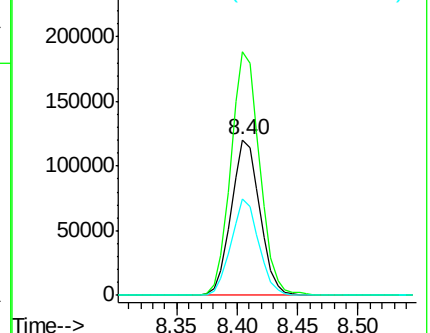
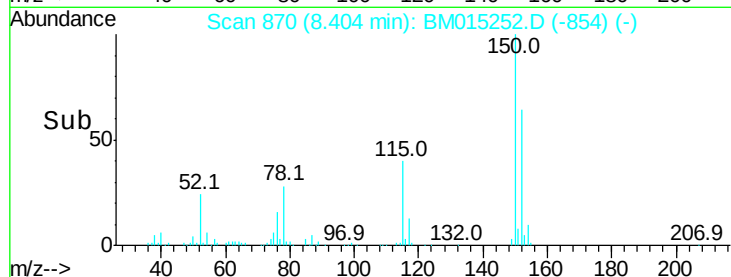
115 61.8 43.0 64.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 1.109 ng

RT: 3.63 min Scan# 58

Delta R.T. 0.01 min

Lab File: BM015252.D

Acq: 22 May 2018 22:26

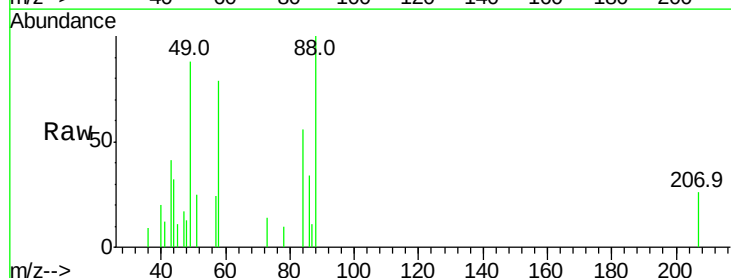
Tgt Ion: 88 Resp: 5564

Ion Ratio Lower Upper

88 100

58 62.3 0.0 0.0#

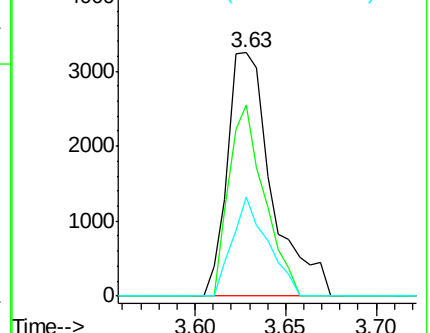
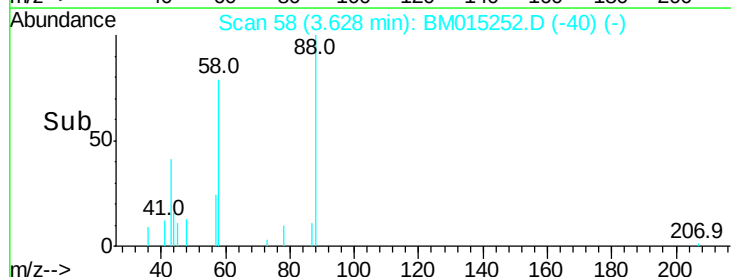
43 32.3 0.0 0.0#

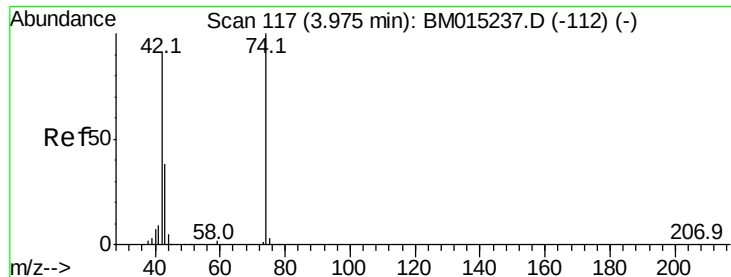


Abundance Ion 88.00 (87.70 to 88.70): BM0

Ion 58.00 (57.70 to 58.70): BM0

Ion 43.00 (42.70 to 43.70): BM0



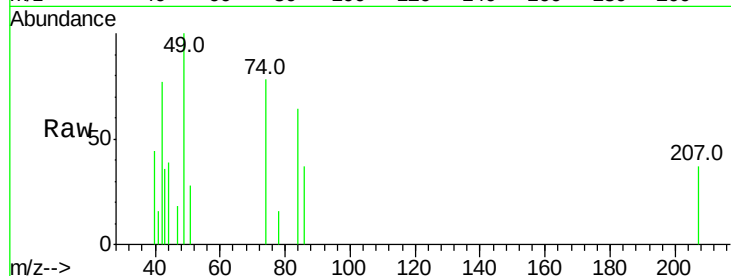


#4

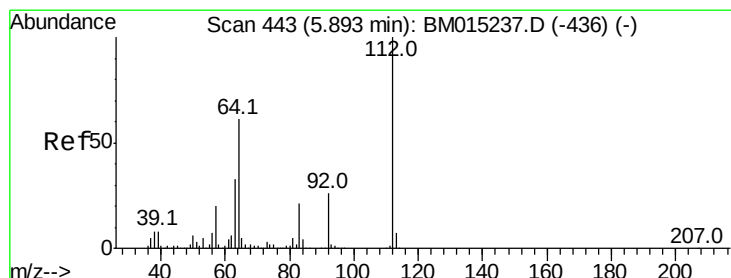
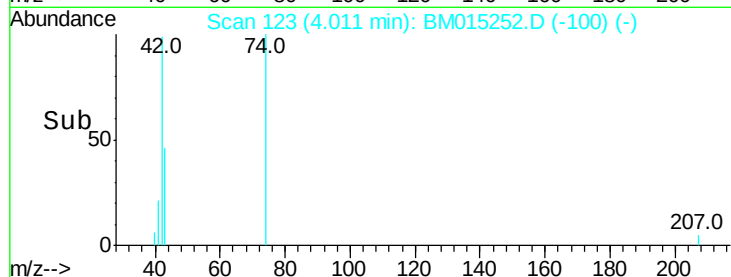
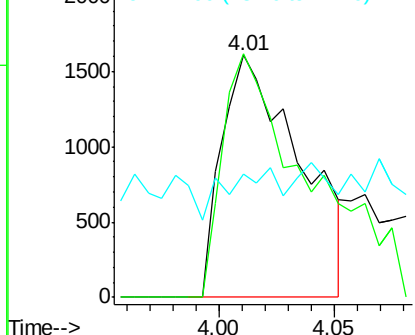
n-Nitrosodimethylamine  
 Concen: 0.543 ng  
 RT: 4.01 min Scan# 123  
 Delta R.T. 0.04 min  
 Lab File: BM015252.D  
 Acq: 22 May 2018 22:26

Instrument :  
 BNA\_M  
 ClientSampled :

Tot Ion: 42 Resp: 3778  
 Ion Ratio Lower Upper  
 42 100  
 74 100.6 119.3 178.9#  
 44 50.9 5.4 8.2#



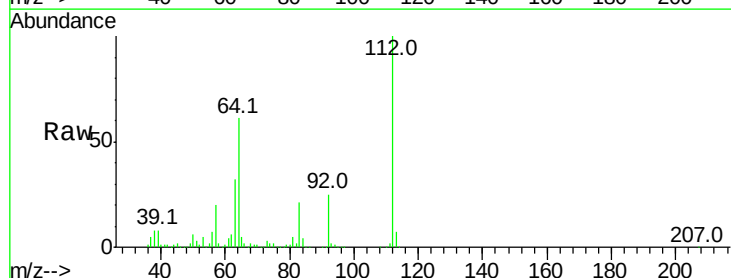
Abundance Ion 42.00 (41.70 to 42.70): BM0  
 Ion 74.00 (73.70 to 74.70): BM0  
 Ion 44.00 (43.70 to 44.70): BM0



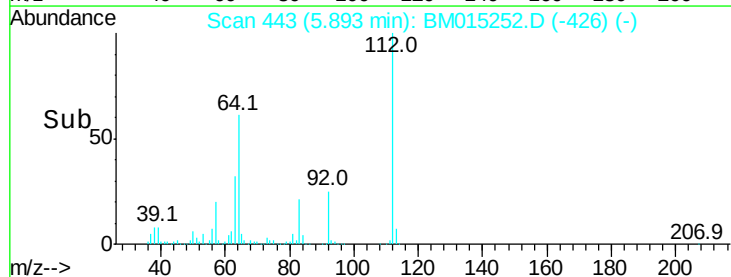
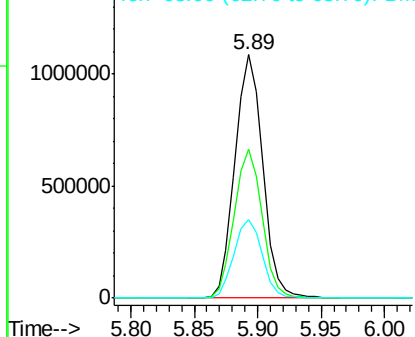
#5

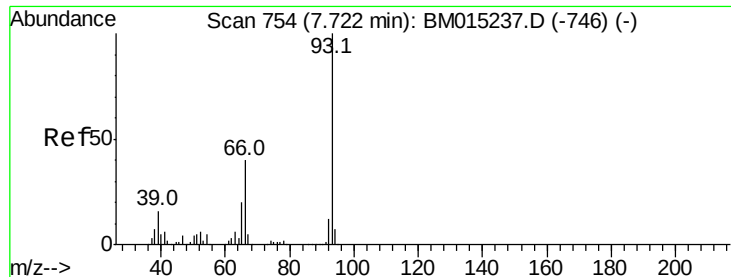
2-Fluorophenol  
 Concen: 136.061 ng  
 RT: 5.89 min Scan# 443  
 Delta R.T. 0.00 min  
 Lab File: BM015252.D  
 Acq: 22 May 2018 22:26

Tgt Ion: 112 Resp: 1652052  
 Ion Ratio Lower Upper  
 112 100  
 64 61.0 38.6 57.8#  
 63 32.4 19.3 28.9#



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: 0.827 ng

RT: 7.73 min Scan# 755

Delta R.T. 0.01 min

Lab File: BM015252.D

Acq: 22 May 2018 22:26

Instrument :

BNA\_M

ClientSampleId :

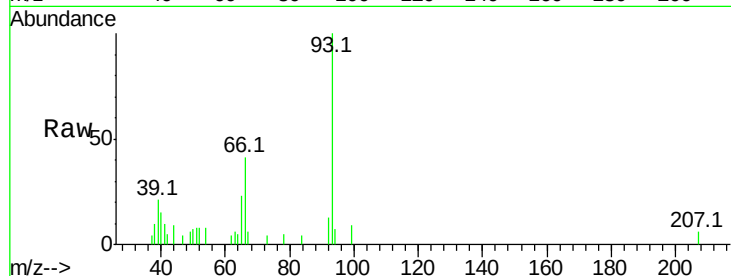
Tot Ion: 93 Resp: 16116

Ion Ratio Lower Upper

93 100

66 40.5 30.8 46.2

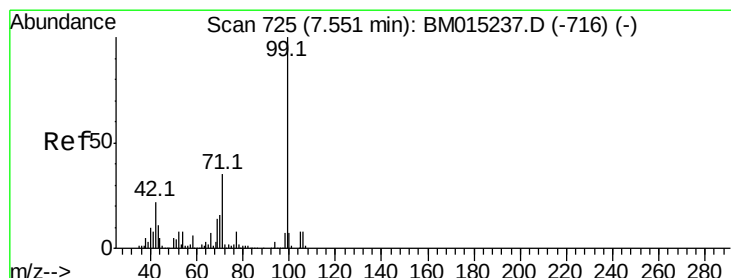
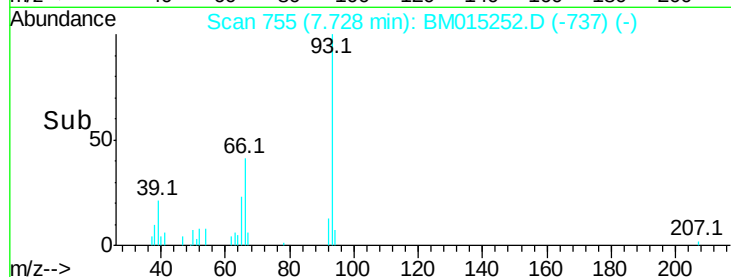
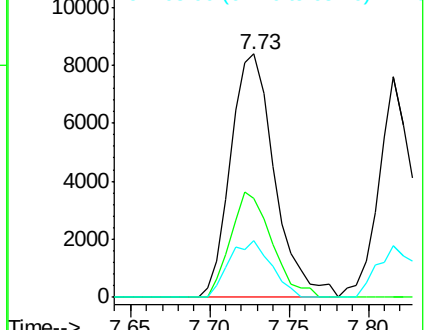
65 23.1 16.0 24.0



Abundance Ion 93.00 (92.70 to 93.70): BM015237.D (-746) (-)

Ion 66.00 (65.70 to 66.70): BM015237.D (-746) (-)

Ion 65.00 (64.70 to 65.70): BM015237.D (-746) (-)



#7

Phenol-d6

Concen: 132.297 ng

RT: 7.55 min Scan# 724

Delta R.T. 0.00 min

Lab File: BM015252.D

Acq: 22 May 2018 22:26

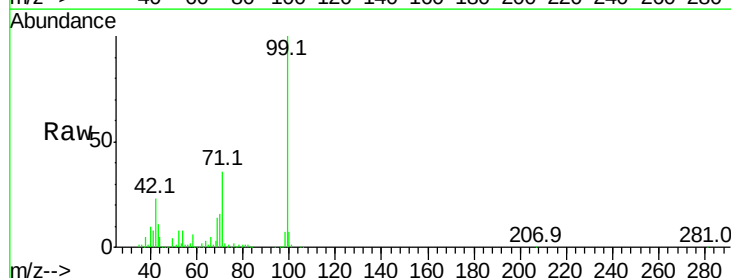
Tgt Ion: 99 Resp: 2091775

Ion Ratio Lower Upper

99 100

42 22.6 11.0 16.4#

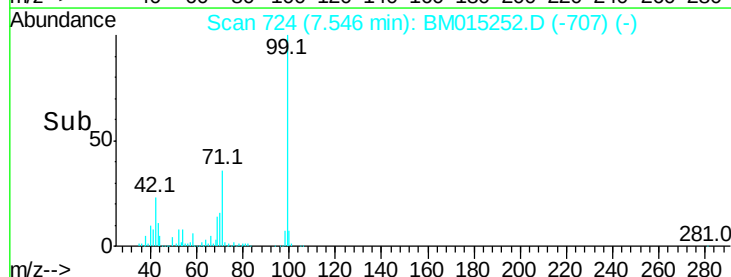
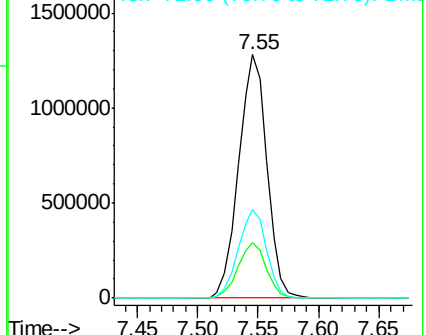
71 36.3 23.4 35.2#

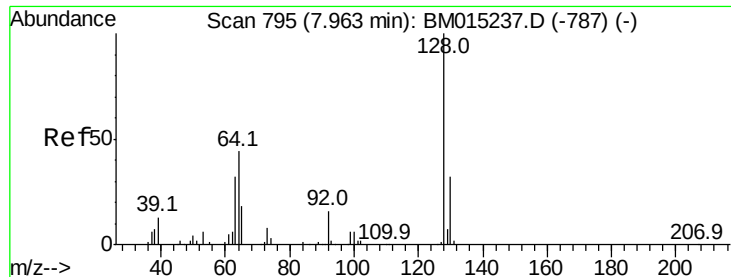


Abundance Ion 99.00 (98.70 to 99.70): BM015237.D (-716) (-)

Ion 42.00 (41.70 to 42.70): BM015237.D (-716) (-)

Ion 71.00 (70.70 to 71.70): BM015237.D (-716) (-)





#8

2-Chlorophenol

Concen: 0.965 ng

RT: 7.96 min Scan# 795

Delta R.T. 0.00 min

Lab File: BM015252.D

Acq: 22 May 2018 22:26

Instrument :

BNA\_M

ClientSampled :

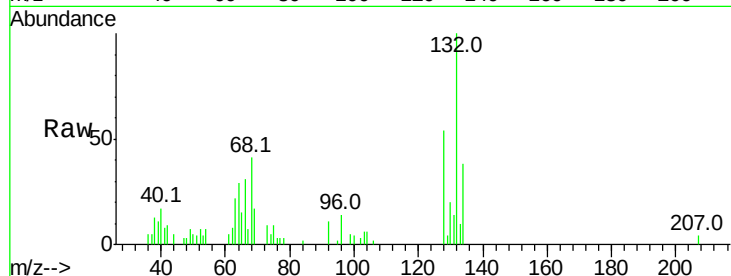
Tot Ion:128 Resp: 13219

Ion Ratio Lower Upper

128 100

130 36.3 12.0 52.0

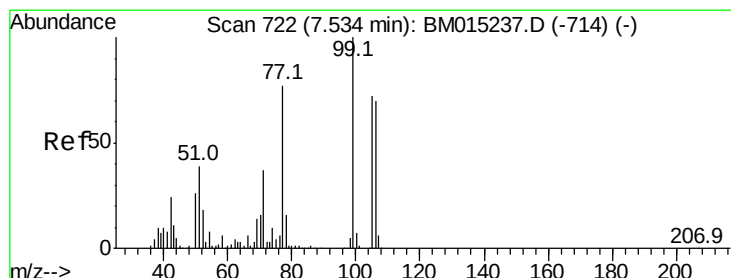
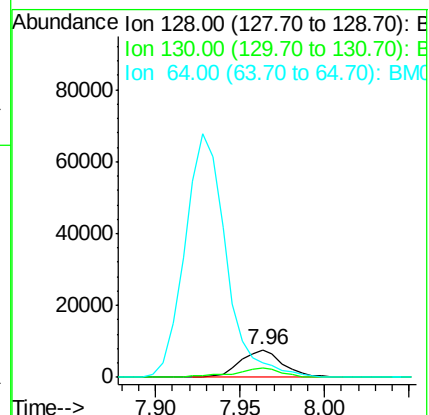
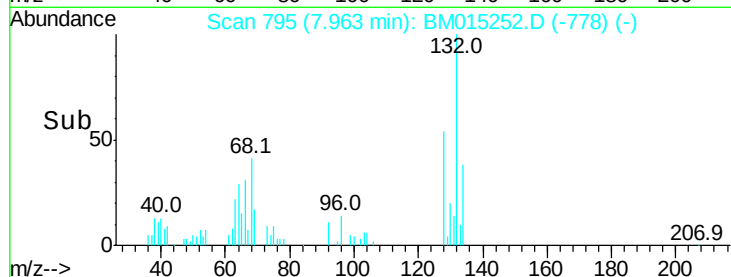
64 54.3 24.9 64.9



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BM



#9

Benzaldehyde

Concen: 1.001 ng

RT: 7.55 min Scan# 725

Delta R.T. 0.02 min

Lab File: BM015252.D

Acq: 22 May 2018 22:26

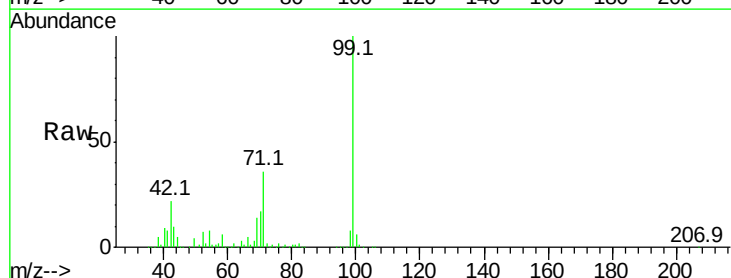
Tgt Ion: 77 Resp: 10014

Ion Ratio Lower Upper

77 100

105 54.8 78.8 118.8#

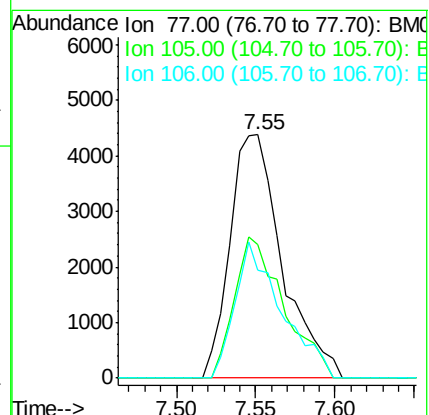
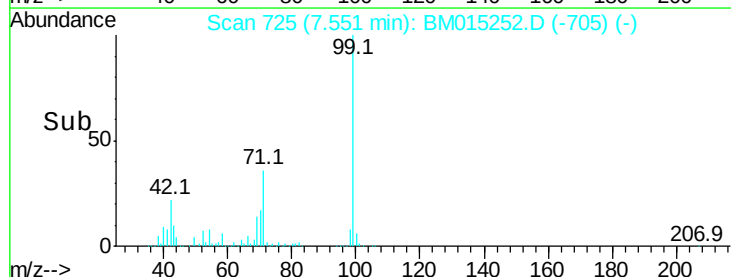
106 44.2 73.7 113.7#

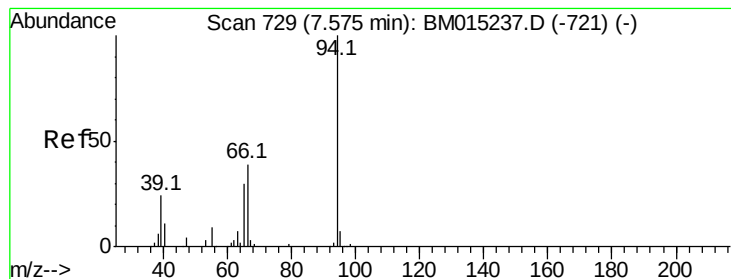


Abundance Ion 77.00 (76.70 to 77.70): BM

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 0.965 ng

RT: 7.57 min Scan# 728

Delta R.T. -0.01 min

Lab File: BM015252.D

Acq: 22 May 2018 22:26

Instrument :

BNA\_M

ClientSampled :

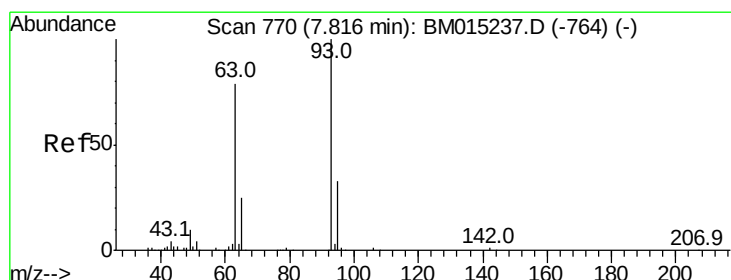
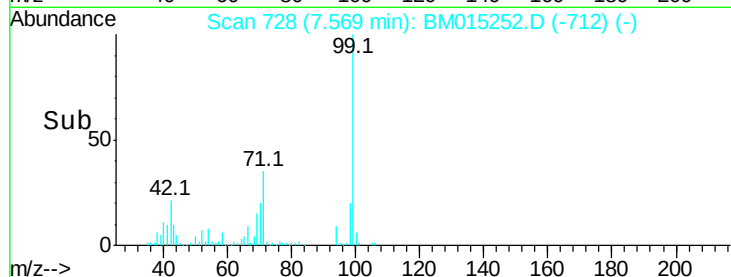
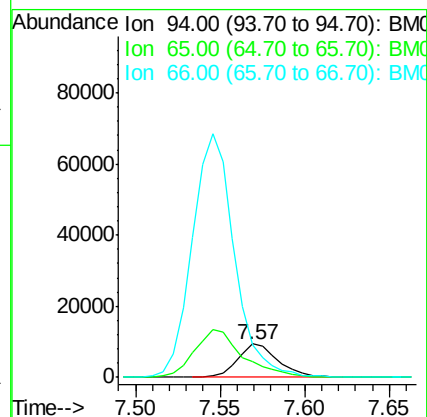
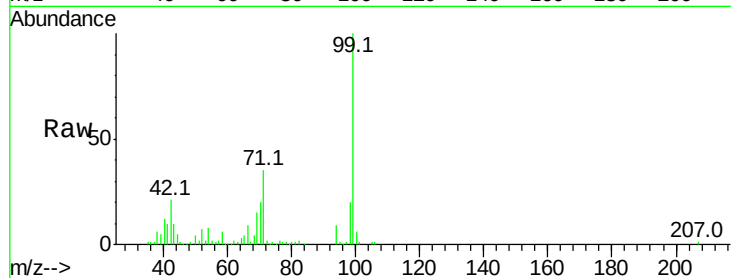
Tot Ion: 94 Resp: 15496

Ion Ratio Lower Upper

94 100

65 45.7 18.8 58.8

66 95.7 39.9 79.9#



#11

bis(2-Chloroethyl)ether

Concen: 0.943 ng

RT: 7.82 min Scan# 770

Delta R.T. 0.01 min

Lab File: BM015252.D

Acq: 22 May 2018 22:26

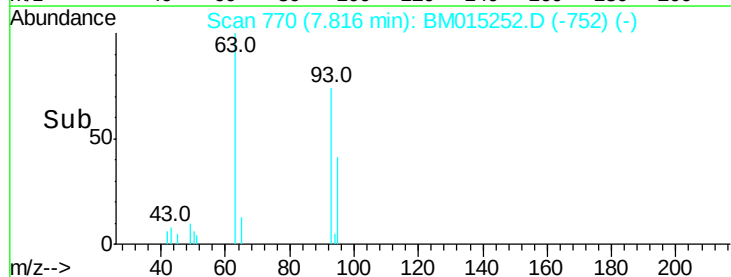
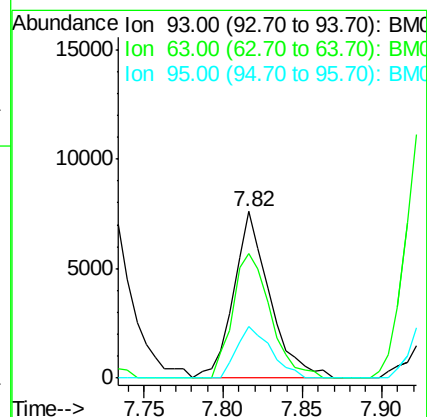
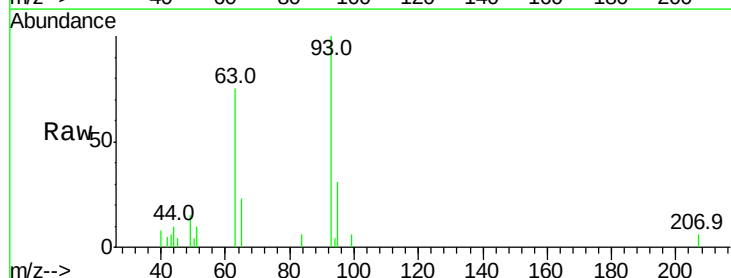
Tgt Ion: 93 Resp: 12006

Ion Ratio Lower Upper

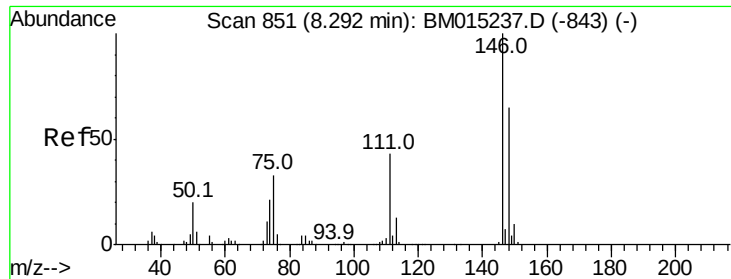
93 100

63 74.8 49.5 89.5

95 30.7 13.5 53.5



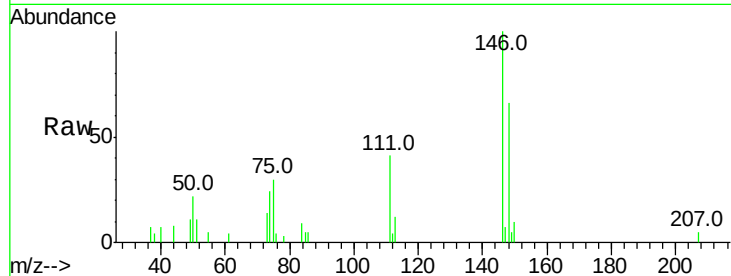




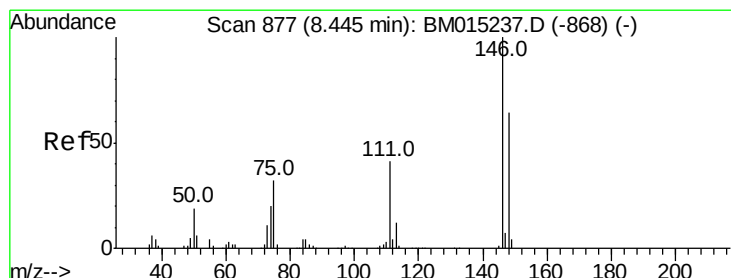
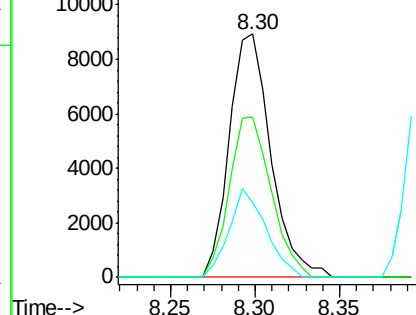
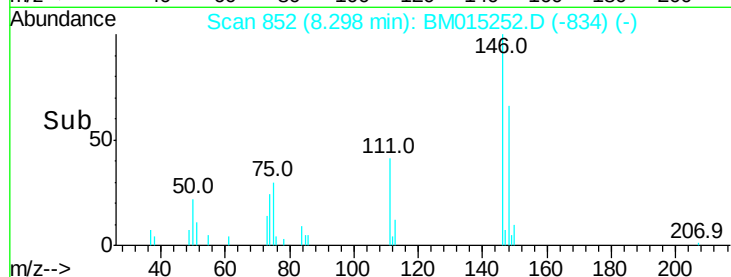
#12  
 1,3-Dichlorobenzene  
 Concen: 0.980 ng  
 RT: 8.30 min Scan# 852  
 Delta R.T. 0.01 min  
 Lab File: BM015252.D  
 Acq: 22 May 2018 22:26

Instrument :  
 BNA\_M  
 ClientSampleId :

Tot Ion:146 Resp: 15312  
 Ion Ratio Lower Upper  
 146 100  
 148 65.6 50.9 76.3  
 75 30.5 21.4 32.2

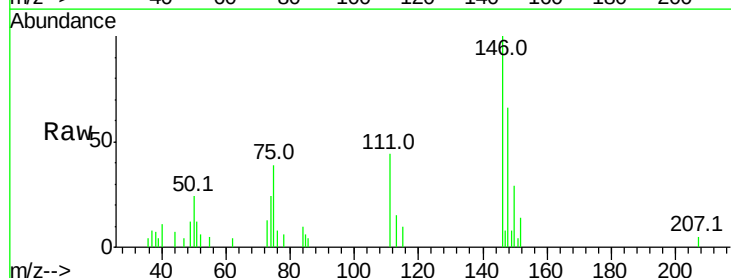


Abundance Ion 146.00 (145.70 to 146.70): E  
 Ion 148.00 (147.70 to 148.70): E  
 Ion 75.00 (74.70 to 75.70): BM0

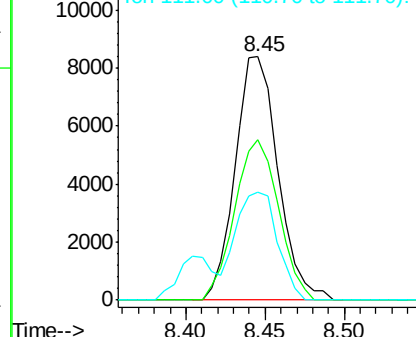
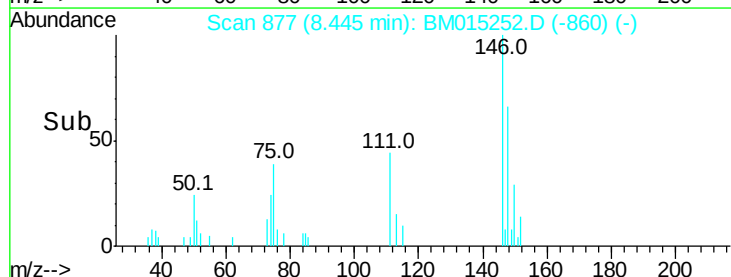


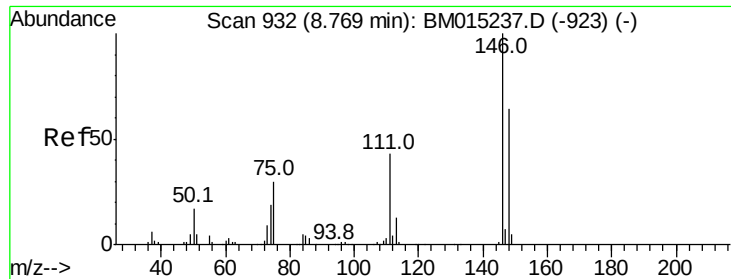
#13  
 1,4-Dichlorobenzene  
 Concen: 0.995 ng  
 RT: 8.45 min Scan# 877  
 Delta R.T. 0.00 min  
 Lab File: BM015252.D  
 Acq: 22 May 2018 22:26

Tgt Ion:146 Resp: 15724  
 Ion Ratio Lower Upper  
 146 100  
 148 65.7 51.9 77.9  
 111 44.1 29.2 43.8#



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

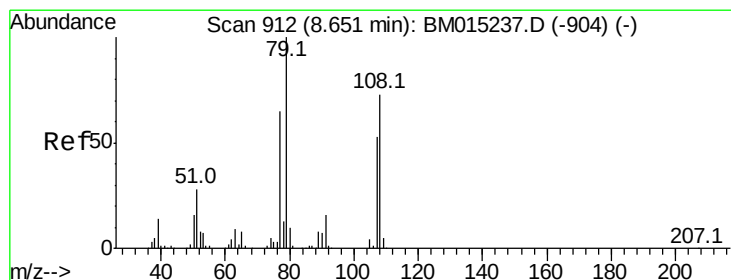
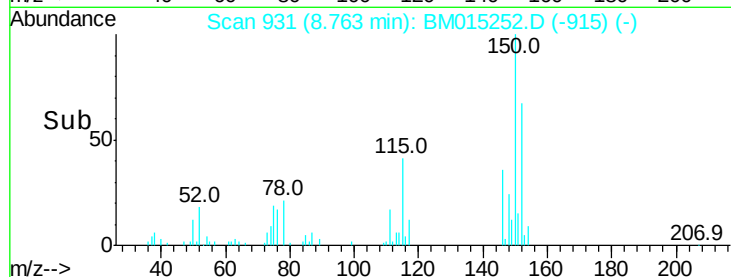
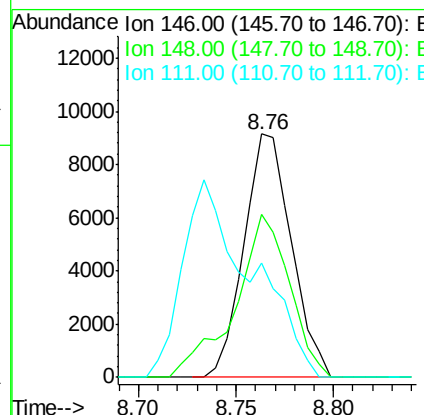
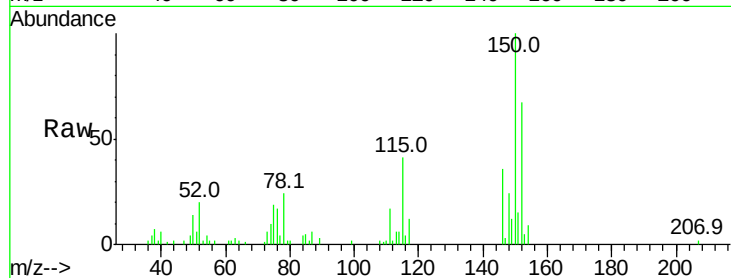




#14  
 1,2-Dichlorobenzene  
 Concen: 1.026 ng  
 RT: 8.76 min Scan# 931  
 Delta R.T. -0.01 min  
 Lab File: BM015252.D  
 Acq: 22 May 2018 22:26

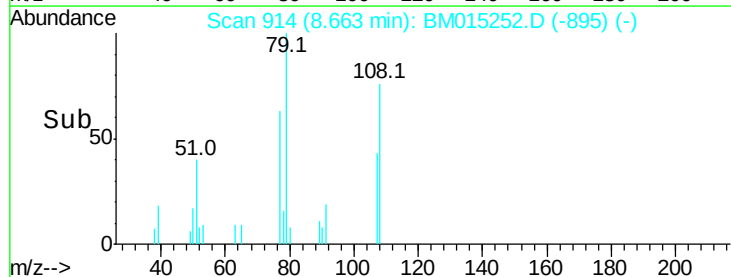
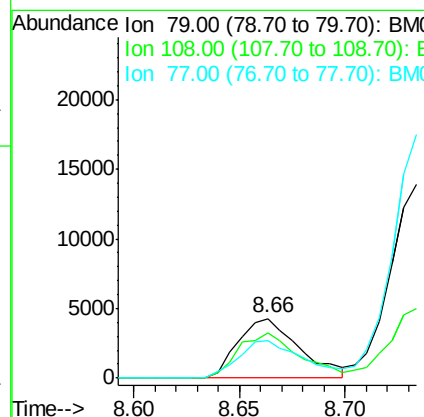
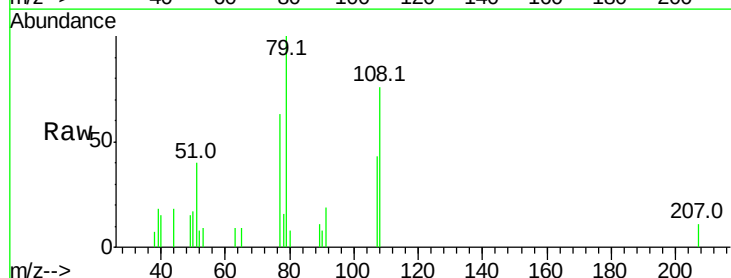
Instrument :  
 BNA\_M  
 ClientSampleId :

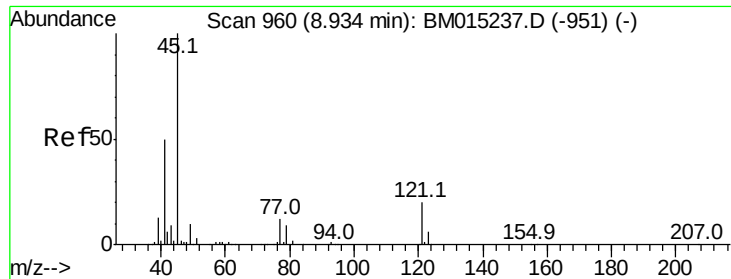
Tot Ion:146 Resp: 15379  
 Ion Ratio Lower Upper  
 146 100  
 148 66.8 52.3 78.5  
 111 47.0 30.6 45.8#



#15  
 Benzyl Alcohol  
 Concen: 0.750 ng  
 RT: 8.66 min Scan# 914  
 Delta R.T. 0.01 min  
 Lab File: BM015252.D  
 Acq: 22 May 2018 22:26

Tgt Ion: 79 Resp: 8572  
 Ion Ratio Lower Upper  
 79 100  
 108 75.6 65.0 97.4  
 77 62.6 53.0 79.6

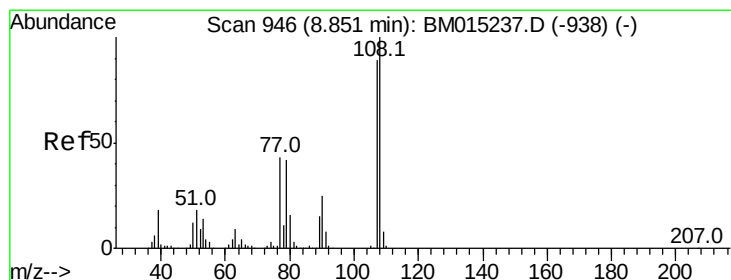
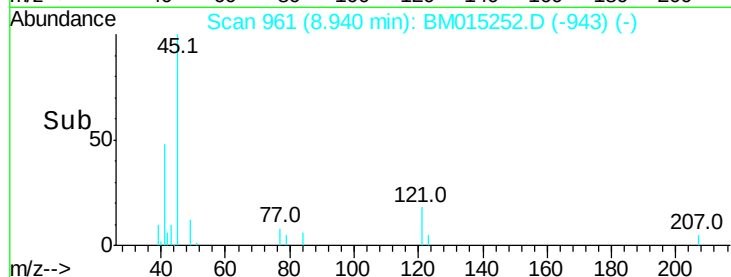
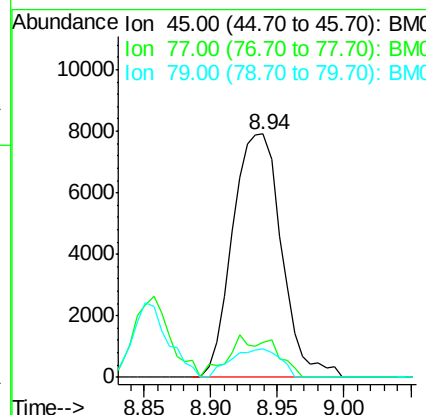
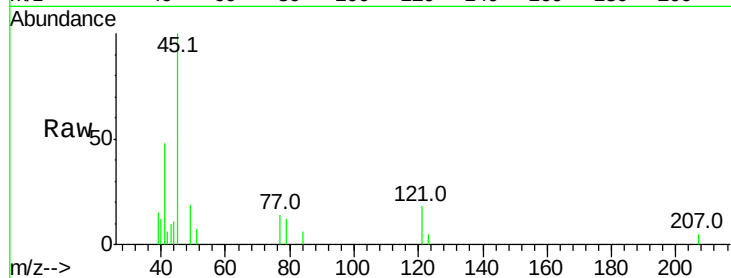




#16  
2,2'-oxvbis(1-Chloropropane)  
Concen: 1.003 ng  
RT: 8.94 min Scan# 961  
Delta R.T. 0.01 min  
Lab File: BM015252.D  
Acq: 22 May 2018 22:26

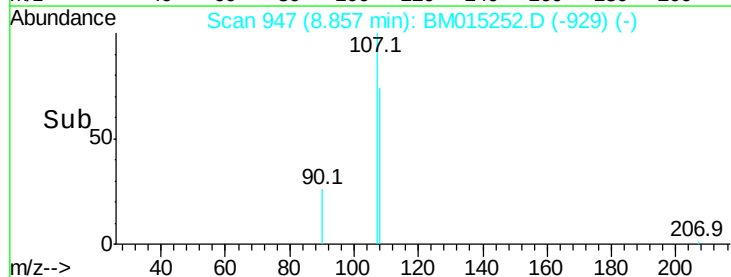
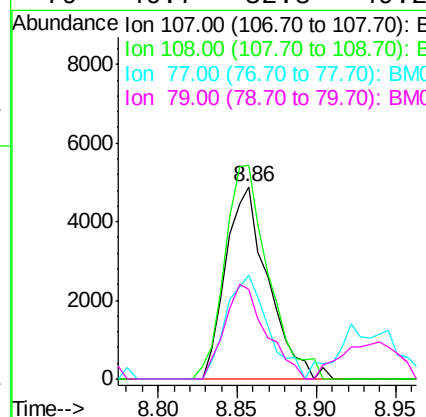
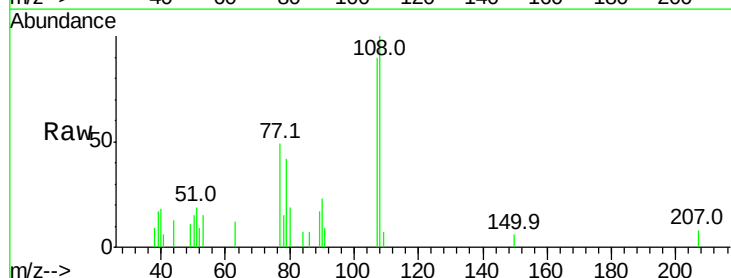
Instrument :  
BNA\_M  
ClientSampled :

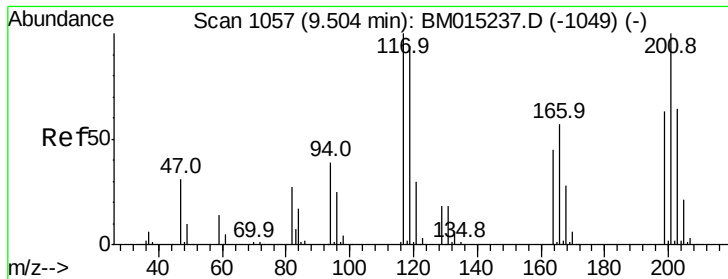
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 77      | 14.3  | 0.0   | 35.2  |
| 79      | 11.8  | 0.0   | 32.0  |



#17  
2-Methylphenol  
Concen: 0.850 ng  
RT: 8.86 min Scan# 947  
Delta R.T. 0.01 min  
Lab File: BM015252.D  
Acq: 22 May 2018 22:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 110.9 | 89.8  | 134.8 |
| 77      | 54.0  | 32.6  | 48.8# |
| 79      | 46.7  | 32.8  | 49.2  |

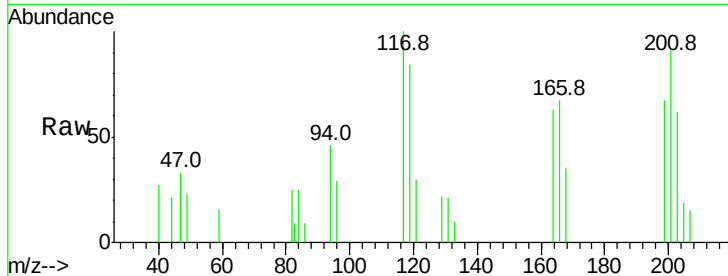




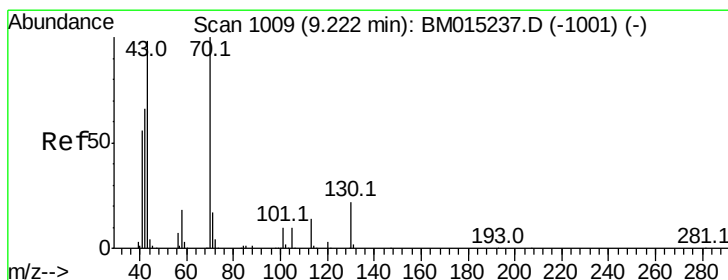
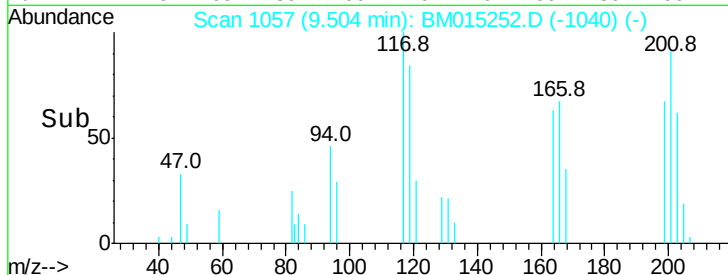
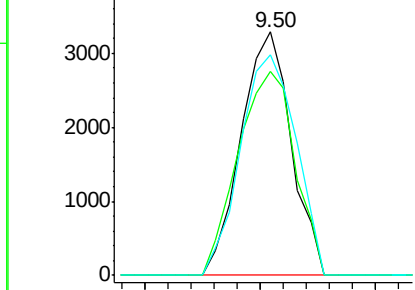
#18  
Hexachloroethane  
Concen: 0.888 ng  
RT: 9.50 min Scan# 1057  
Delta R.T. 0.00 min  
Lab File: BM015252.D  
Acq: 22 May 2018 22:26

Instrument :  
BNA\_M  
ClientSampleId :

Tot Ion:117 Resp: 4981  
Ion Ratio Lower Upper  
117 100  
119 83.7 79.2 118.8  
201 90.7 69.8 104.6

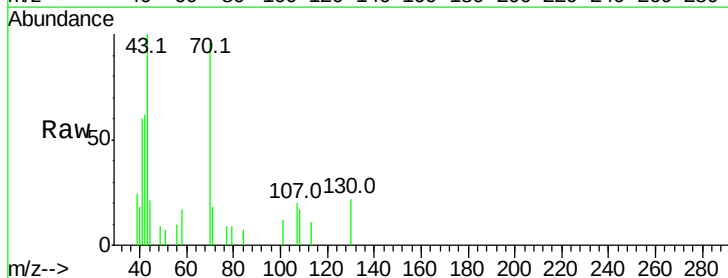


Abundance Ion 117.00 (116.70 to 117.70): E  
Ion 119.00 (118.70 to 119.70): E  
Ion 201.00 (200.70 to 201.70): E

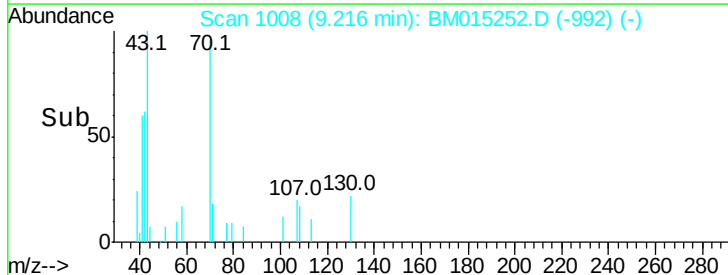
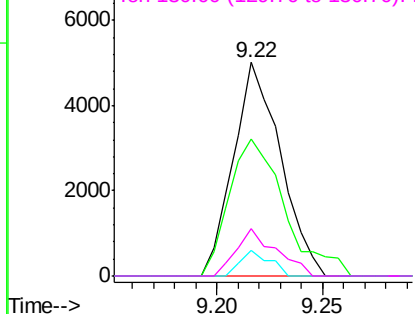


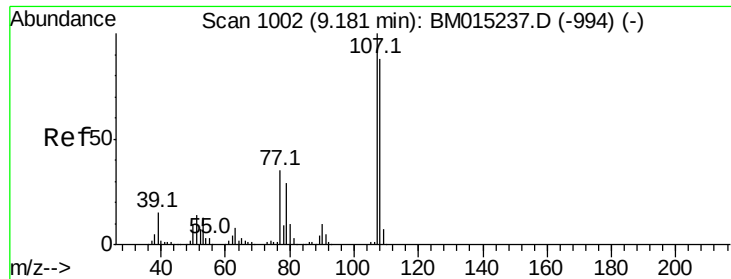
#19  
n-Nitroso-di-n-propylamine  
Concen: 0.770 ng  
RT: 9.22 min Scan# 1008  
Delta R.T. -0.01 min  
Lab File: BM015252.D  
Acq: 22 May 2018 22:26

Tgt Ion: 70 Resp: 7762  
Ion Ratio Lower Upper  
70 100  
42 64.3 44.5 66.7  
101 12.0 7.4 11.2#  
130 22.4 15.3 22.9



Abundance Ion 70.00 (69.70 to 70.70): BM0  
Ion 42.00 (41.70 to 42.70): BM0  
Ion 101.00 (100.70 to 101.70): E  
Ion 130.00 (129.70 to 130.70): E





#20

3+4-Methylphenols

Concen: 0.821 ng

RT: 9.19 min Scan# 1003

Delta R.T. 0.01 min

Lab File: BM015252.D

Acq: 22 May 2018 22:26

Instrument :

BNA\_M

ClientSampleId :

Tot Ion:107 Resp: 11630

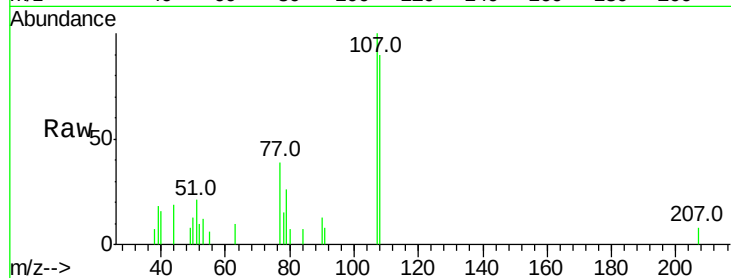
Ion Ratio Lower Upper

107 100

108 89.8 73.2 113.2

77 38.5 10.7 50.7

79 25.8 9.6 49.6

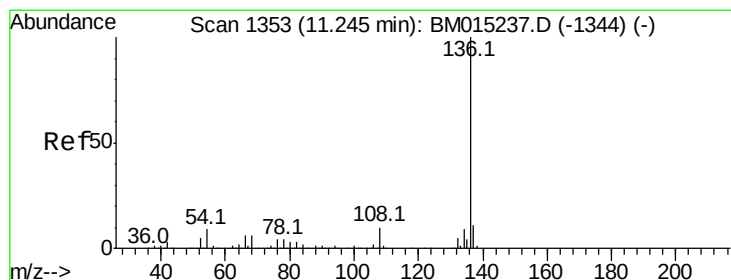
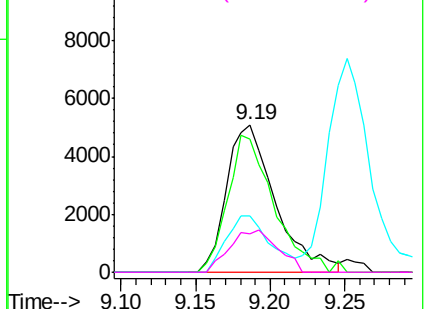
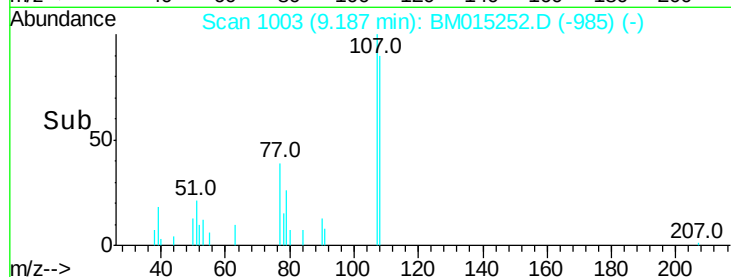


Abundance Ion 107.00 (106.70 to 107.70): E

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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.25 min Scan# 1353

Delta R.T. 0.00 min

Lab File: BM015252.D

Acq: 22 May 2018 22:26

Tgt Ion:136 Resp: 788740

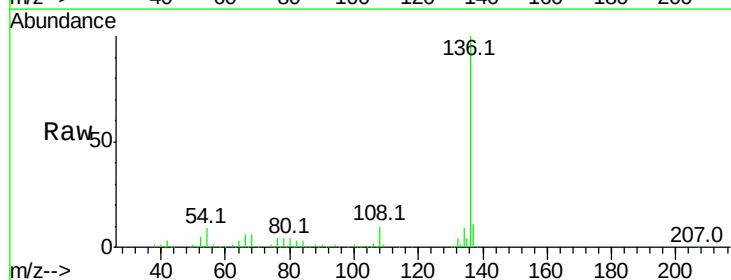
Ion Ratio Lower Upper

136 100

137 11.1 8.7 13.1

54 8.7 4.6 6.8#

68 5.9 3.7 5.5#

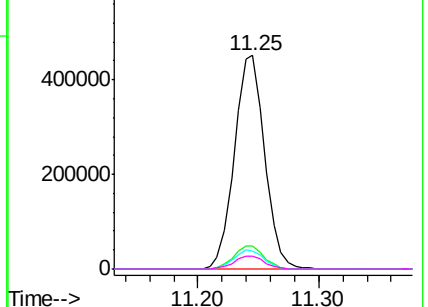
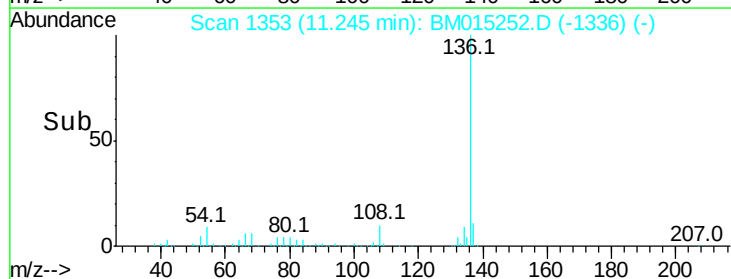


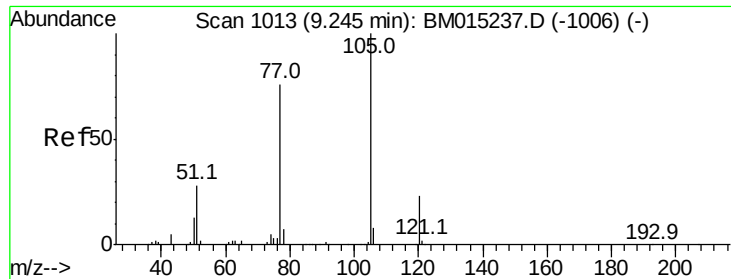
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM0

Ion 68.00 (67.70 to 68.70): BM0

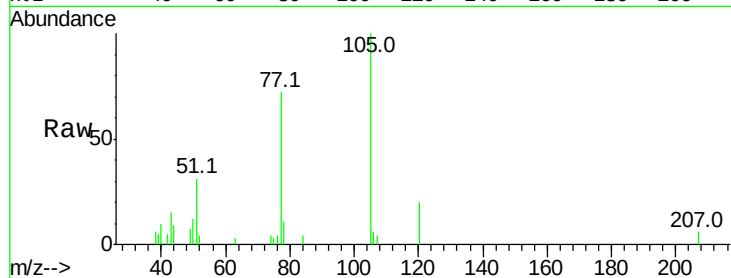




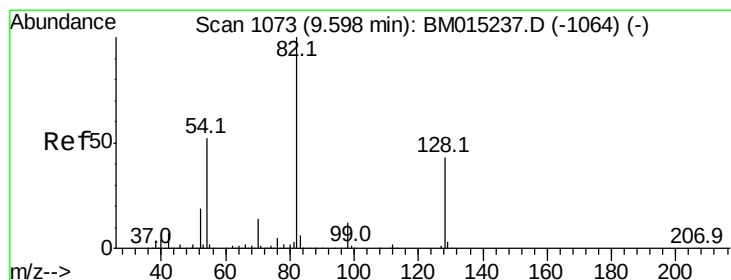
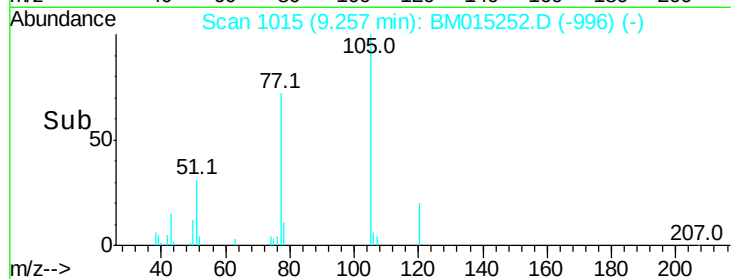
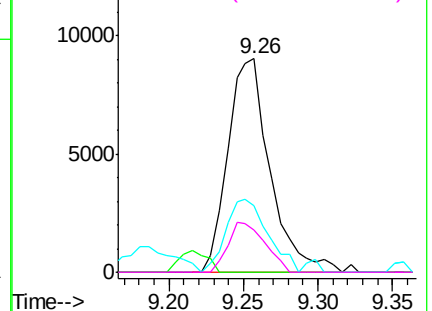
#22  
Acetophenone  
Concen: 0.943 ng  
RT: 9.26 min Scan# 1015  
Delta R.T. 0.01 min  
Lab File: BM015252.D  
Acq: 22 May 2018 22:26

Instrument :  
BNA\_M  
ClientSampled :

Tot Ion:105 Resp: 17842  
Ion Ratio Lower Upper  
105 100  
71 0.0 0.6 1.0#  
51 31.3 21.6 32.4  
120 20.1 16.1 24.1

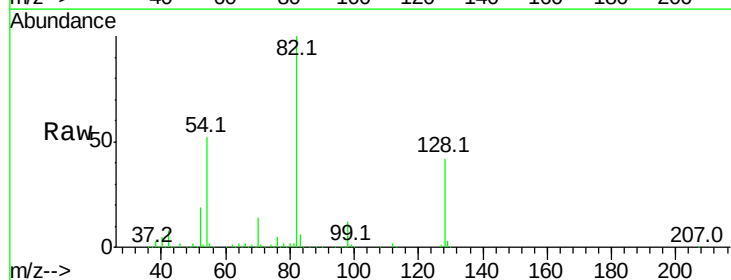


Abundance Ion 105.00 (104.70 to 105.70): E  
Ion 71.00 (70.70 to 71.70): BM0  
Ion 51.00 (50.70 to 51.70): BM0  
Ion 120.00 (119.70 to 120.70): E

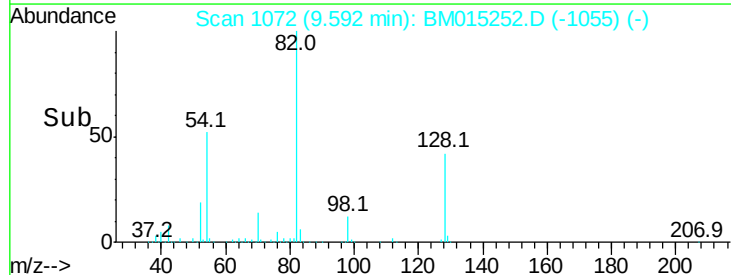
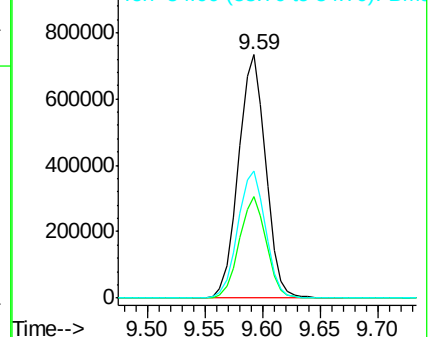


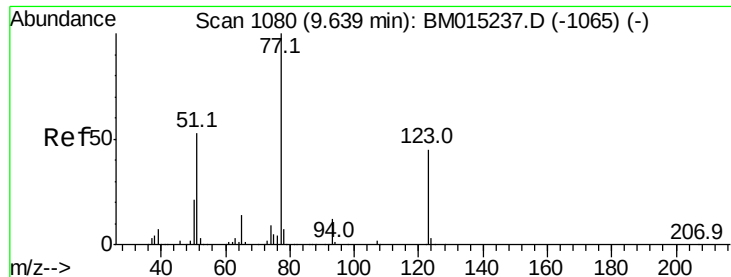
#23  
Nitrobenzene-d5  
Concen: 83.461 ng  
RT: 9.59 min Scan# 1072  
Delta R.T. 0.00 min  
Lab File: BM015252.D  
Acq: 22 May 2018 22:26

Tgt Ion: 82 Resp: 1201690  
Ion Ratio Lower Upper  
82 100  
128 41.6 32.8 49.2  
54 52.4 40.6 60.8



Abundance Ion 82.00 (81.70 to 82.70): BM0  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BM0

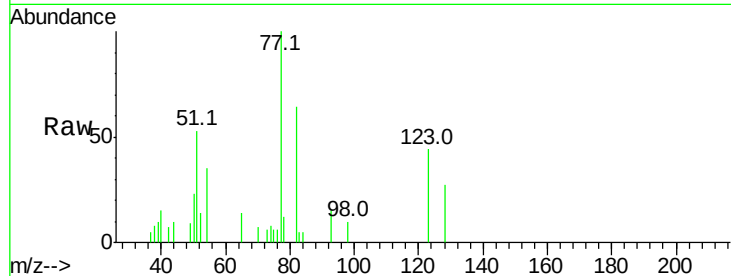




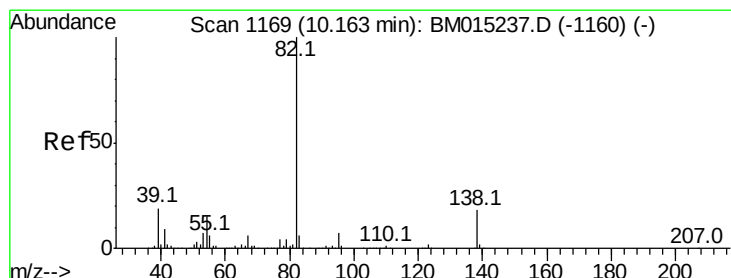
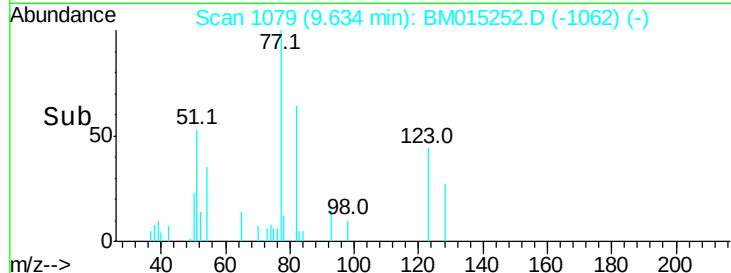
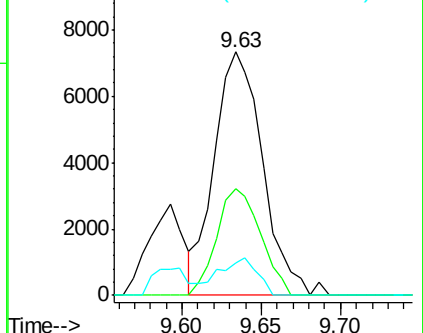
#24  
Nitrobenzene  
Concen: 1.039 ng  
RT: 9.63 min Scan# 1079  
Delta R.T. 0.00 min  
Lab File: BM015252.D  
Acq: 22 May 2018 22:26

Instrument :  
BNA\_M  
ClientSampled :

Tot Ion: 77 Resp: 15571  
Ion Ratio Lower Upper  
77 100  
123 43.6 32.6 49.0  
65 13.5 10.9 16.3

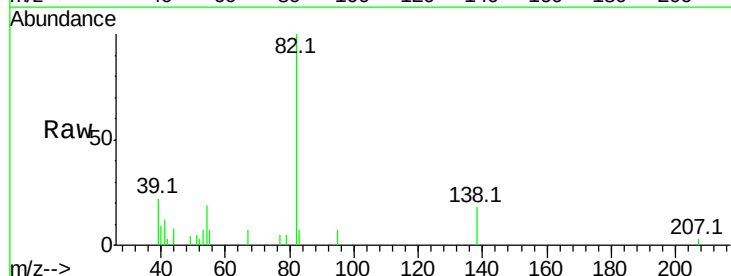


Abundance Ion 77.00 (76.70 to 77.70): BM015237.D (-1065) (-)  
Ion 123.00 (122.70 to 123.70): BM015237.D (-1065) (-)  
Ion 65.00 (64.70 to 65.70): BM015237.D (-1065) (-)

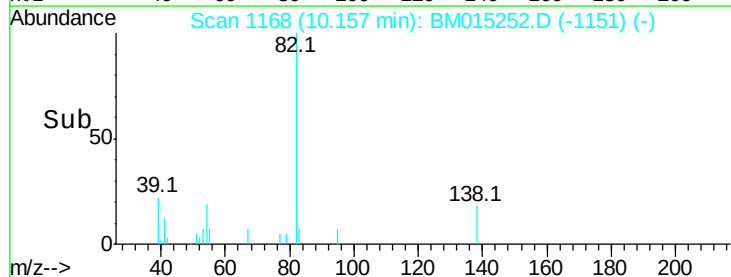
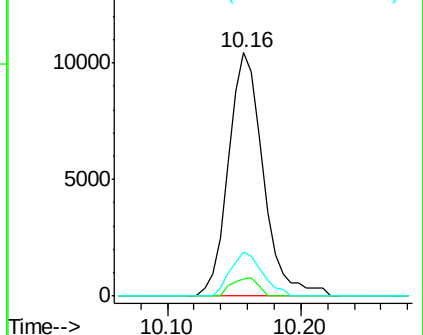


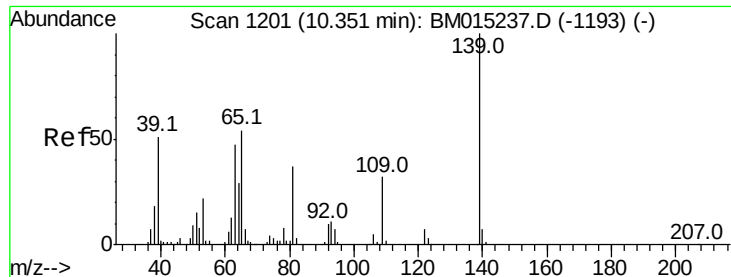
#25  
Isophorone  
Concen: 0.767 ng  
RT: 10.16 min Scan# 1168  
Delta R.T. 0.00 min  
Lab File: BM015252.D  
Acq: 22 May 2018 22:26

Tgt Ion: 82 Resp: 18976  
Ion Ratio Lower Upper  
82 100  
95 7.0 5.8 8.6  
138 18.0 16.3 24.5



Abundance Ion 82.00 (81.70 to 82.70): BM015237.D (-1160) (-)  
Ion 95.00 (94.70 to 95.70): BM015237.D (-1160) (-)  
Ion 138.00 (137.70 to 138.70): BM015237.D (-1160) (-)

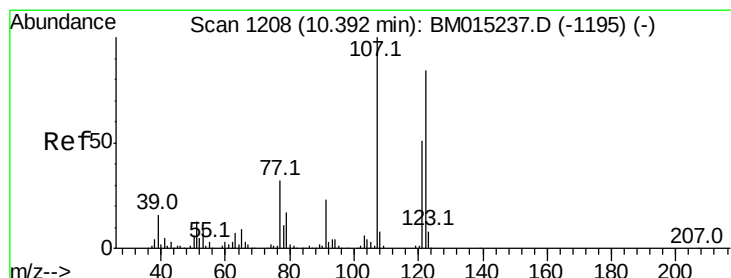
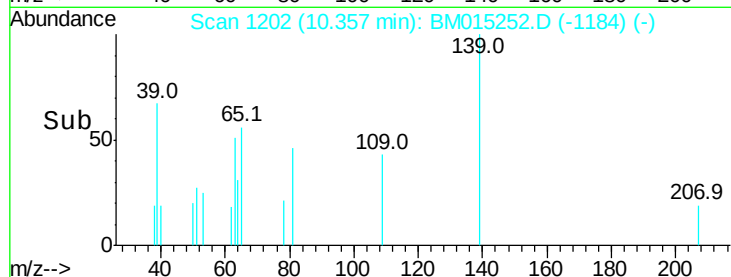
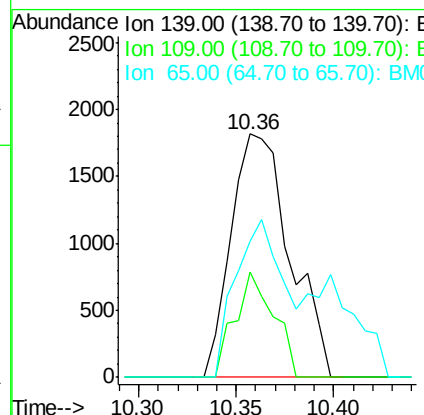
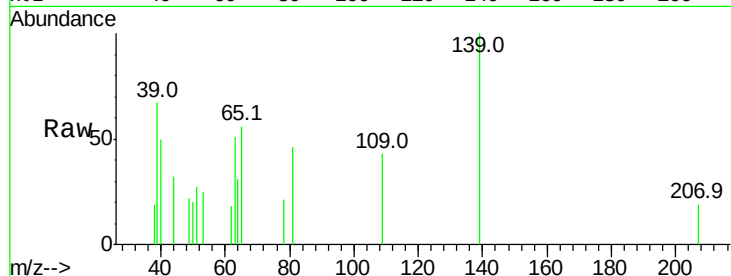




#26  
2-Nitrophenol  
Concen: 0.566 ng  
RT: 10.36 min Scan# 1202  
Delta R.T. 0.01 min  
Lab File: BM015252.D  
Acq: 22 May 2018 22:26

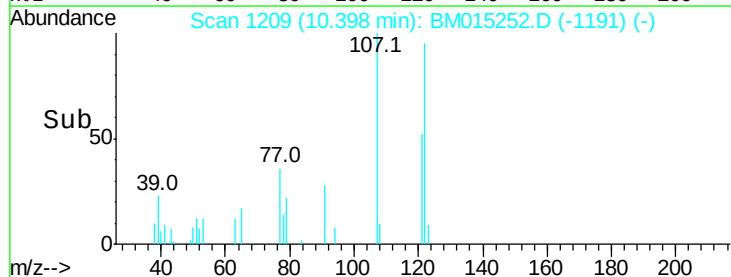
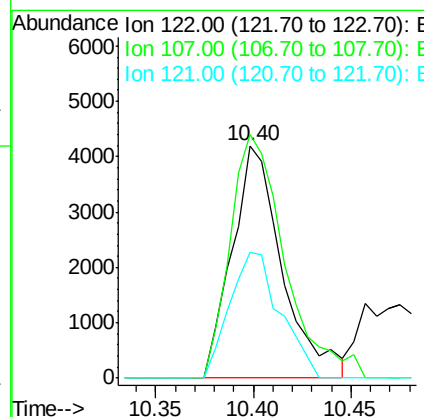
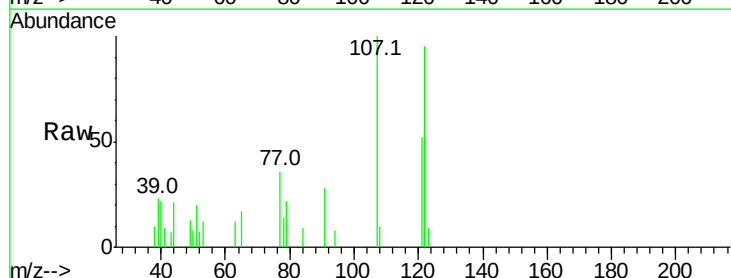
Instrument :  
BNA\_M  
ClientSampled :

Tot Ion:139 Resp: 3805  
Ion Ratio Lower Upper  
139 100  
109 43.4 20.1 30.1#  
65 55.8 31.5 47.3#

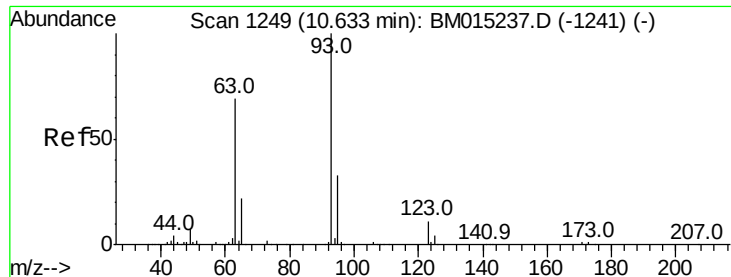


#27  
2,4-Dimethylphenol  
Concen: 0.615 ng  
RT: 10.40 min Scan# 1209  
Delta R.T. 0.01 min  
Lab File: BM015252.D  
Acq: 22 May 2018 22:26

Tgt Ion:122 Resp: 7506  
Ion Ratio Lower Upper  
122 100  
107 104.7 84.7 127.1  
121 54.1 46.6 69.8



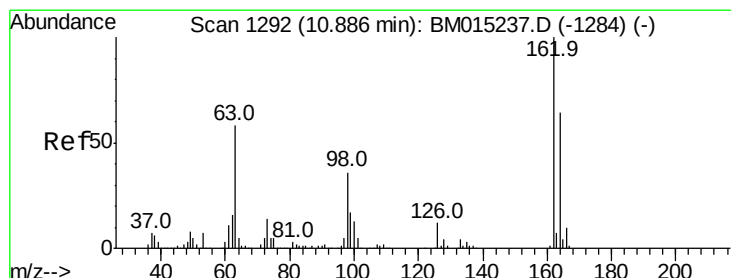
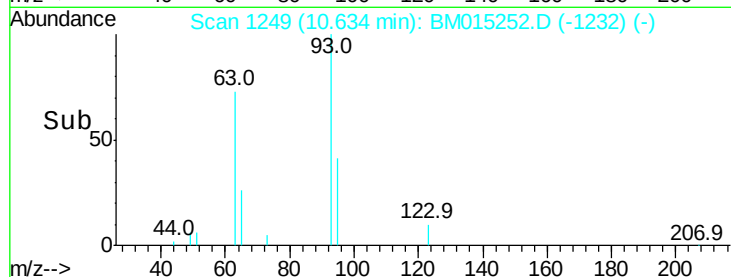
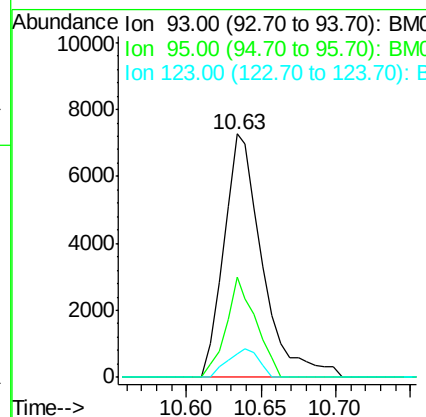
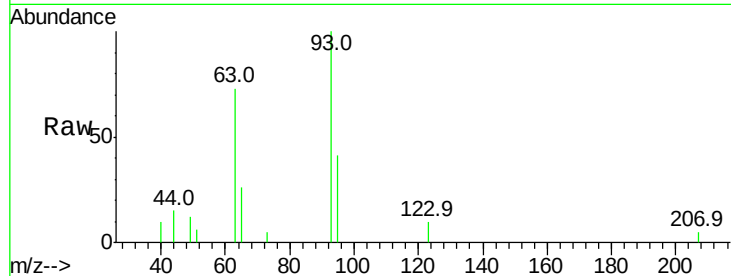




#28  
 bis(2-Chloroethoxy)methane  
 Concen: 0.808 ng  
 RT: 10.63 min Scan# 1249  
 Delta R.T. 0.00 min  
 Lab File: BM015252.D  
 Acq: 22 May 2018 22:26

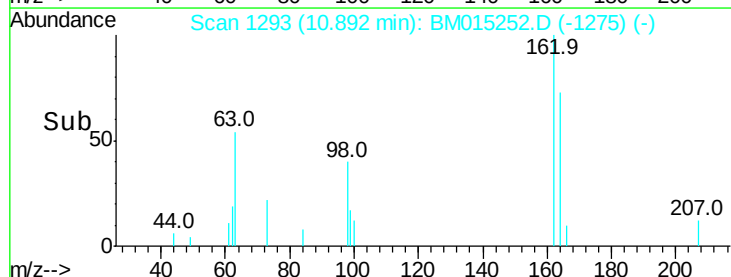
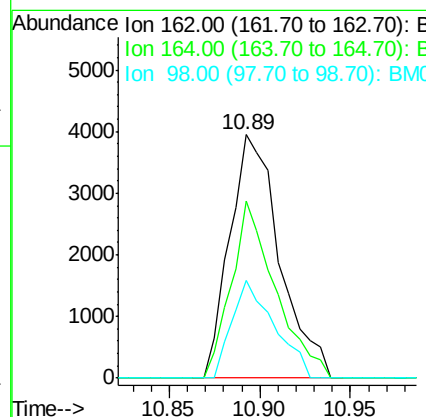
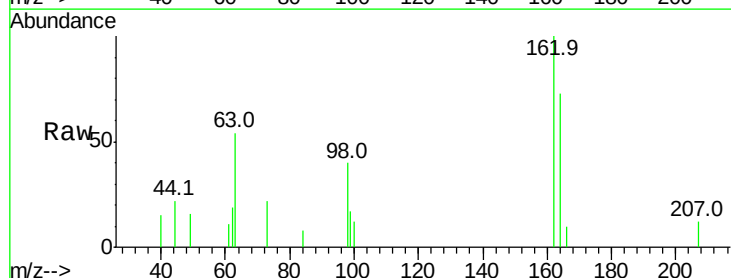
Instrument :  
 BNA\_M  
 ClientSampleId :

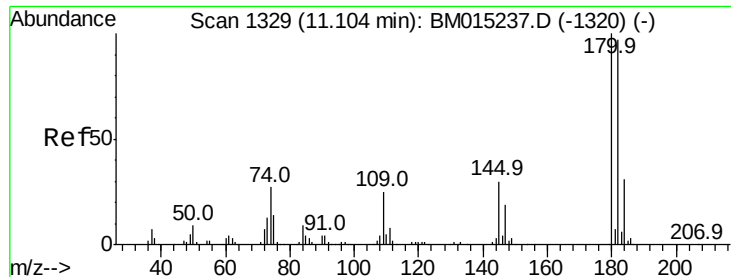
Tot Ion: 93 Resp: 13086  
 Ion Ratio Lower Upper  
 93 100  
 95 41.1 25.5 38.3#  
 123 9.6 8.6 13.0



#29  
 2,4-Dichlorophenol  
 Concen: 0.656 ng  
 RT: 10.89 min Scan# 1293  
 Delta R.T. 0.01 min  
 Lab File: BM015252.D  
 Acq: 22 May 2018 22:26

Tgt Ion: 162 Resp: 7584  
 Ion Ratio Lower Upper  
 162 100  
 164 72.6 42.8 82.8  
 98 40.1 14.5 54.5

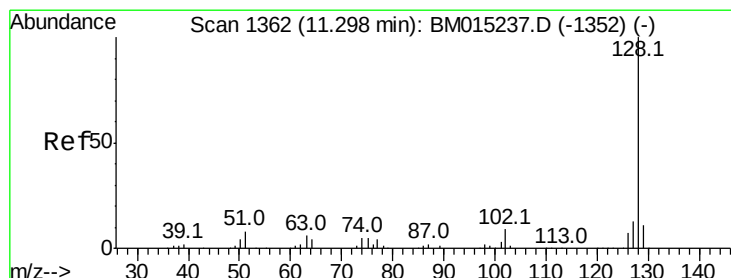
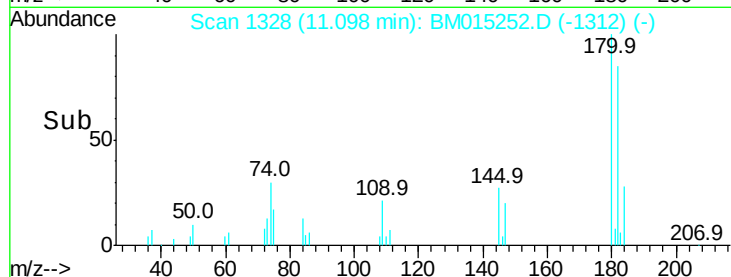
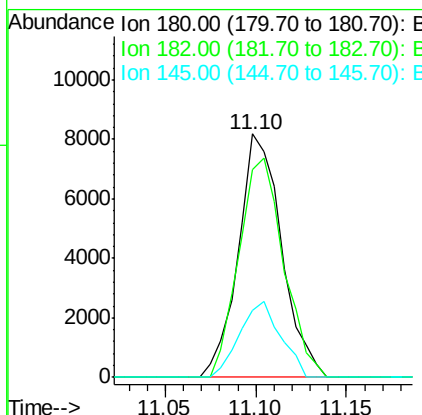
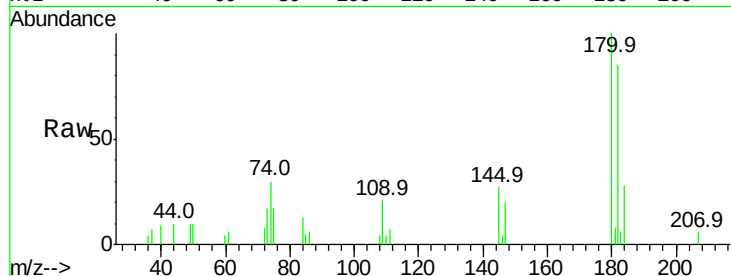




#30  
 1,2,4-Trichlorobenzene  
 Concen: 0.999 ng  
 RT: 11.10 min Scan# 1328  
 Delta R.T. -0.01 min  
 Lab File: BM015252.D  
 Acq: 22 May 2018 22:26

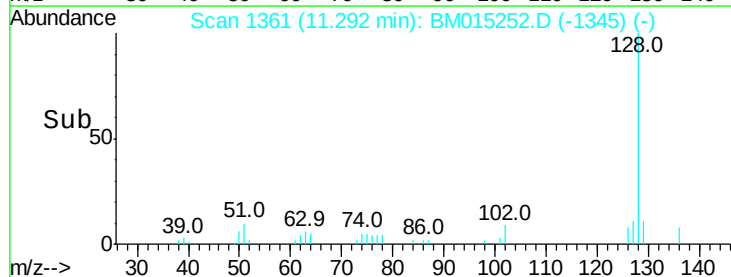
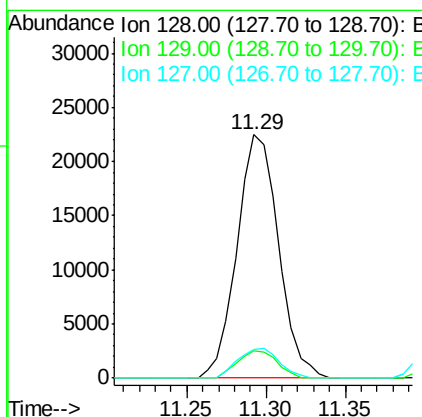
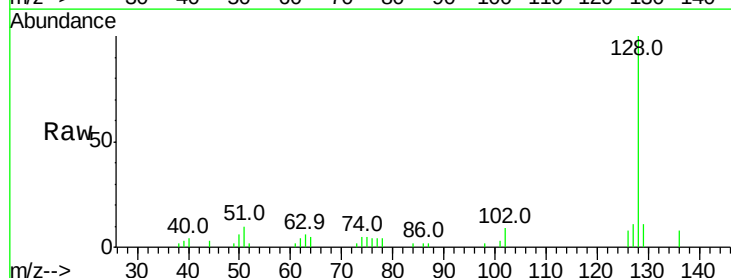
Instrument :  
 BNA\_M  
 ClientSampleId :

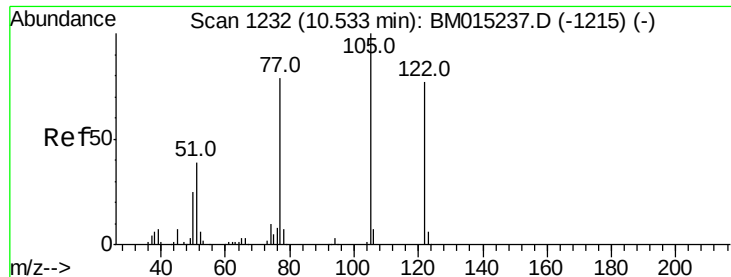
Tot Ion:180 Resp: 13598  
 Ion Ratio Lower Upper  
 180 100  
 182 85.2 77.6 116.4  
 145 27.3 23.4 35.2



#31  
 Naphthalene  
 Concen: 0.998 ng  
 RT: 11.29 min Scan# 1361  
 Delta R.T. -0.01 min  
 Lab File: BM015252.D  
 Acq: 22 May 2018 22:26

Tgt Ion:128 Resp: 40905  
 Ion Ratio Lower Upper  
 128 100  
 129 11.2 8.9 13.3  
 127 11.5 10.4 15.6

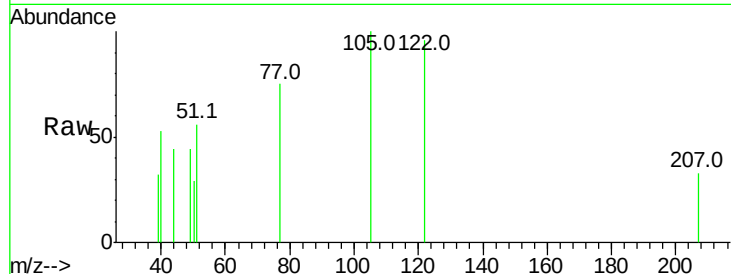




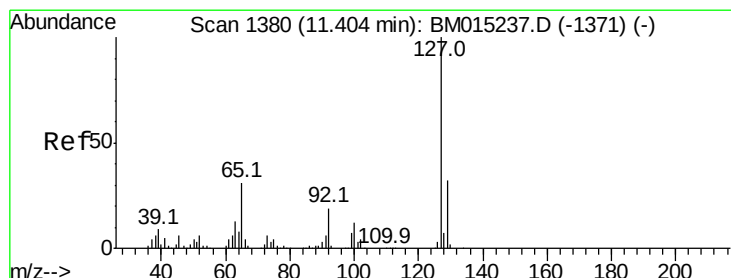
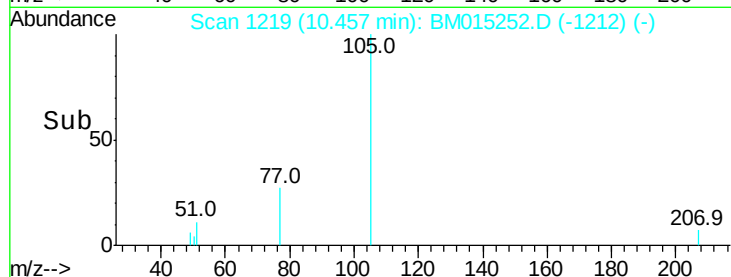
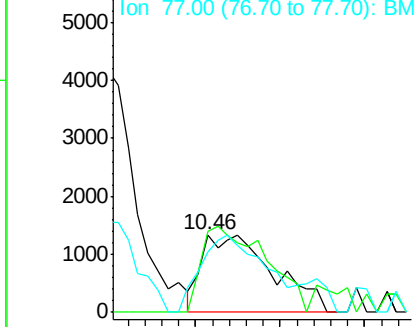
#32  
Benzoic acid  
Concen: 0.554 ng  
RT: 10.46 min Scan# 1219  
Delta R.T. -0.06 min  
Lab File: BM015252.D  
Acq: 22 May 2018 22:26

Instrument :  
BNA\_M  
ClientSampled :

Tot Ion:122 Resp: 3913  
Ion Ratio Lower Upper  
122 100  
105 103.9 99.9 139.9  
77 77.7 73.7 113.7

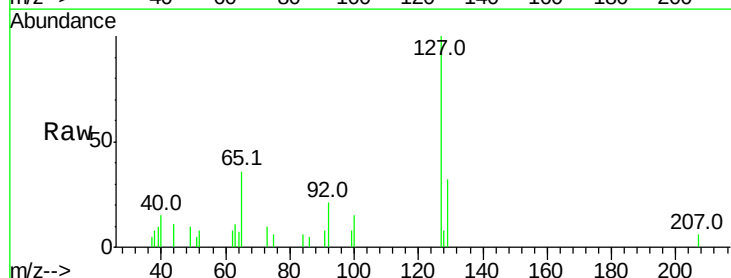


Abundance Ion 122.00 (121.70 to 122.70): E  
Ion 105.00 (104.70 to 105.70): E  
Ion 77.00 (76.70 to 77.70): BM

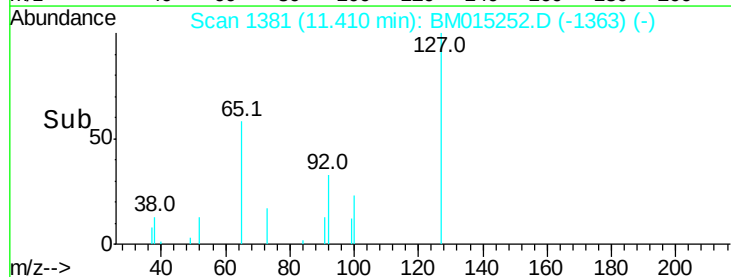
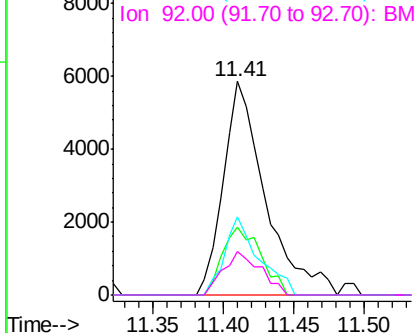


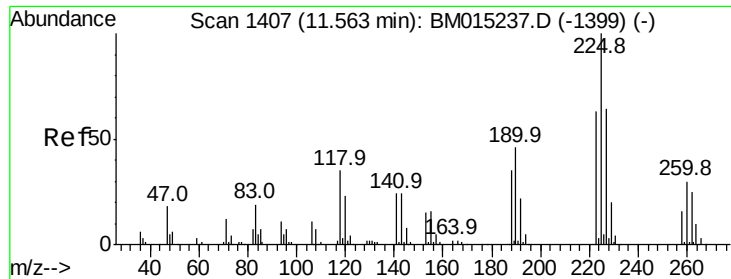
#33  
4-Chloroaniline  
Concen: 0.742 ng  
RT: 11.41 min Scan# 1381  
Delta R.T. 0.01 min  
Lab File: BM015252.D  
Acq: 22 May 2018 22:26

Tgt Ion:127 Resp: 12146  
Ion Ratio Lower Upper  
127 100  
129 31.9 25.3 37.9  
65 36.4 17.6 26.4#  
92 20.6 13.1 19.7#



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





#34

Hexachlorobutadiene

Concen: 1.046 ng

RT: 11.56 min Scan# 1406

Delta R.T. -0.01 min

Lab File: BM015252.D

Acq: 22 May 2018 22:26

Instrument :

BNA\_M

ClientSampleId :

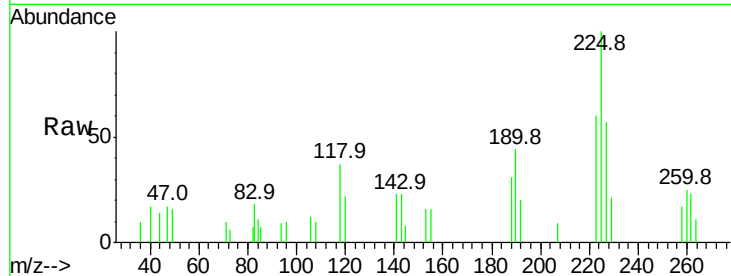
Tot Ion:225 Resp: 8462

Ion Ratio Lower Upper

225 100

223 59.5 47.9 71.9

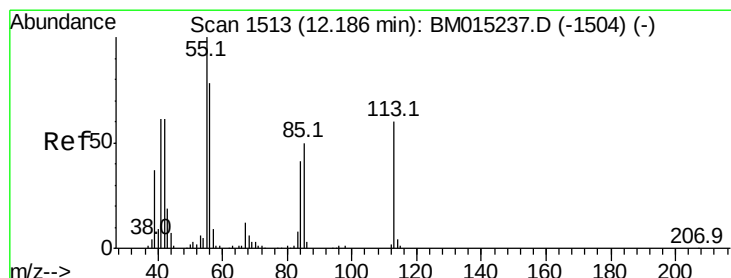
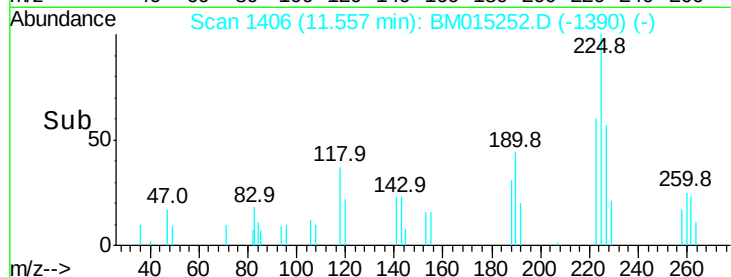
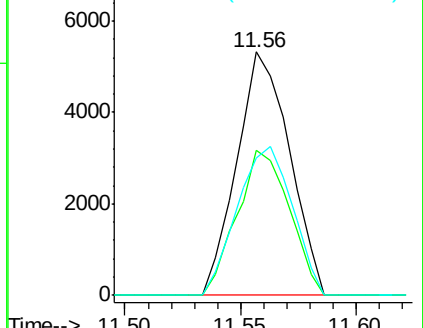
227 56.6 50.1 75.1



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: 0.415 ng

RT: 12.16 min Scan# 1509

Delta R.T. -0.01 min

Lab File: BM015252.D

Acq: 22 May 2018 22:26

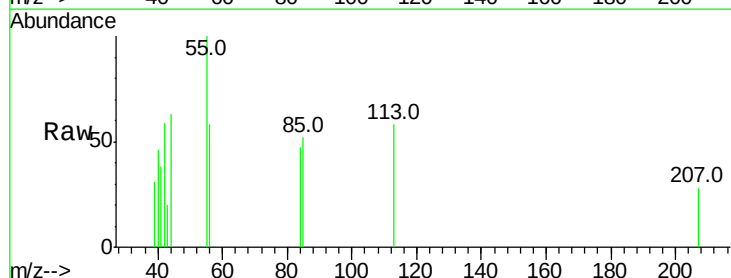
Tgt Ion:113 Resp: 1357

Ion Ratio Lower Upper

113 100

55 173.4 145.9 185.9

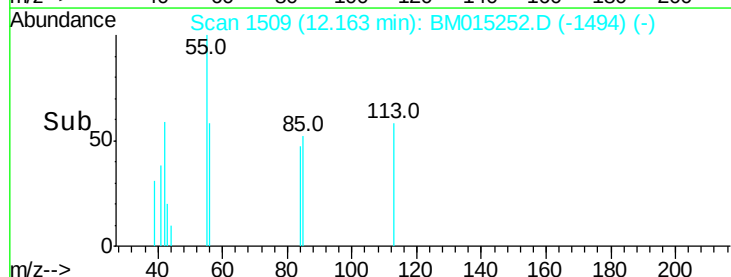
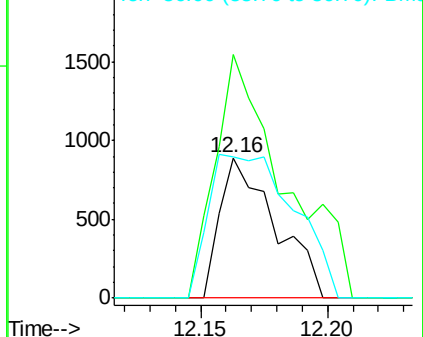
56 100.8 101.0 141.0#

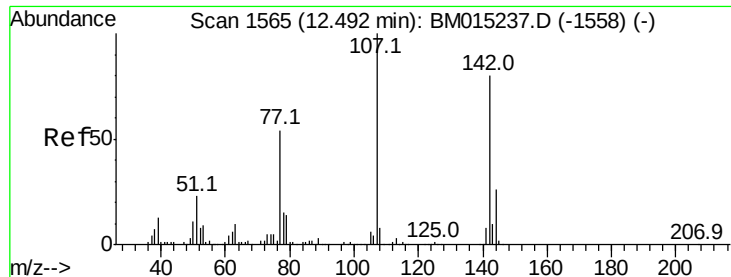


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM0

Ion 56.00 (55.70 to 56.70): BM0

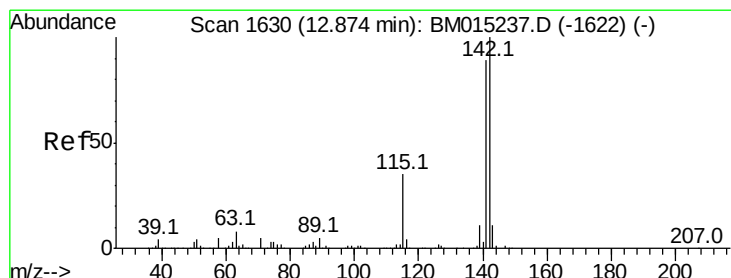
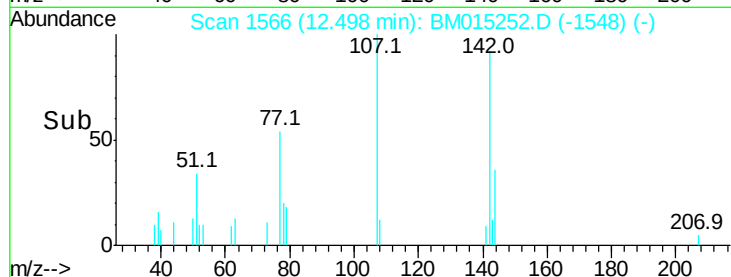
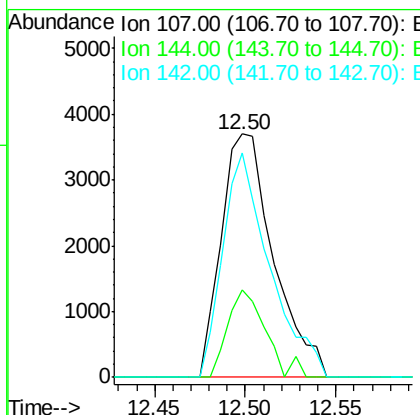
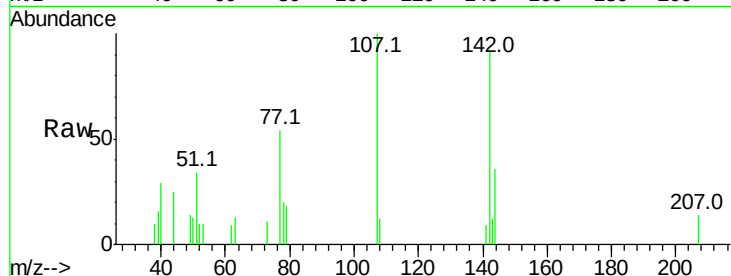




#36  
 4-Chloro-3-methylphenol  
 Concen: 0.628 ng  
 RT: 12.50 min Scan# 1566  
 Delta R.T. 0.01 min  
 Lab File: BM015252.D  
 Acq: 22 May 2018 22:26

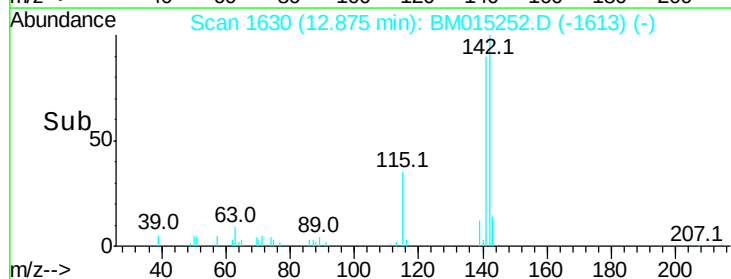
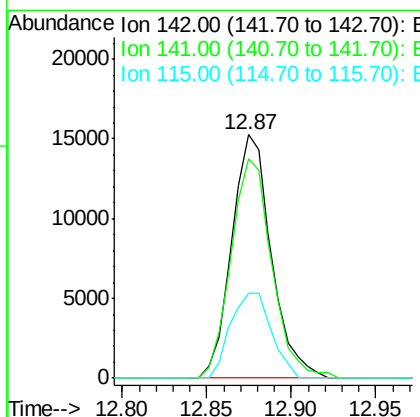
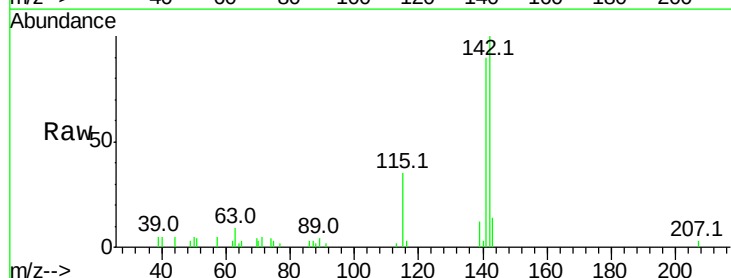
Instrument :  
 BNA\_M  
 ClientSampleId :

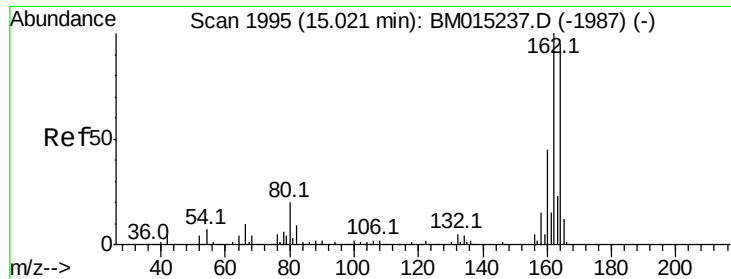
Tot Ion:107 Resp: 7409  
 Ion Ratio Lower Upper  
 107 100  
 144 35.9 23.3 34.9#  
 142 92.3 72.6 109.0



#37  
 2-Methylnaphthalene  
 Concen: 0.875 ng  
 RT: 12.87 min Scan# 1630  
 Delta R.T. 0.00 min  
 Lab File: BM015252.D  
 Acq: 22 May 2018 22:26

Tgt Ion:142 Resp: 24868  
 Ion Ratio Lower Upper  
 142 100  
 141 90.2 71.9 107.9  
 115 34.9 25.4 38.0

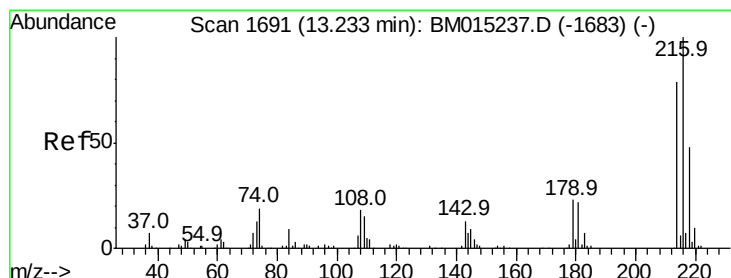
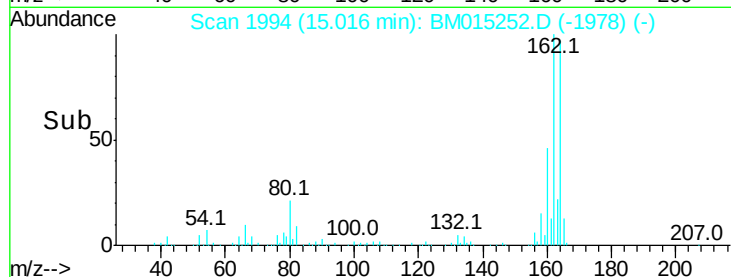
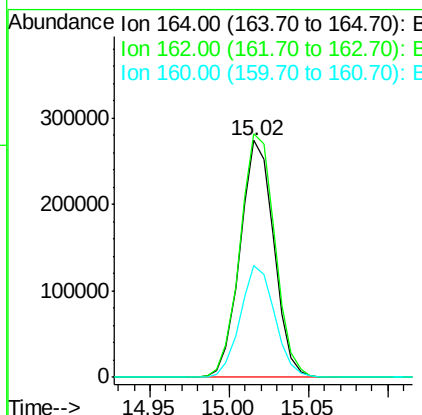
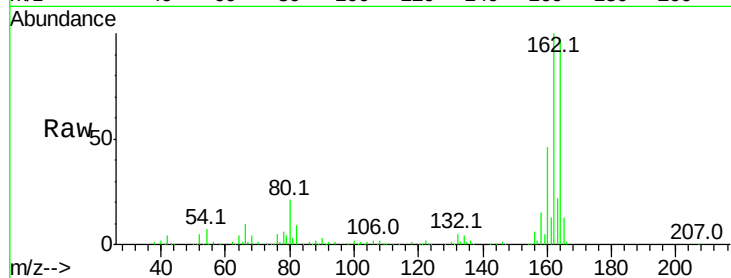




#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 15.02 min Scan# 1994  
 Delta R.T. -0.01 min  
 Lab File: BM015252.D  
 Acq: 22 May 2018 22:26

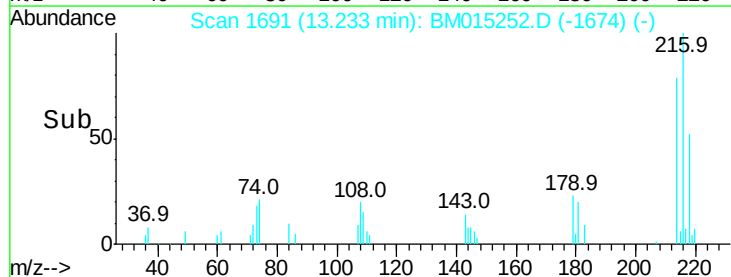
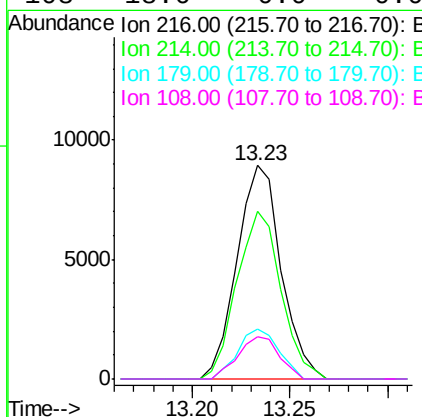
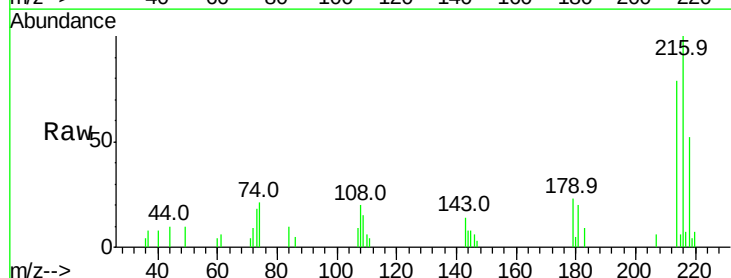
Instrument :  
 BNA\_M  
 ClientSampleId :

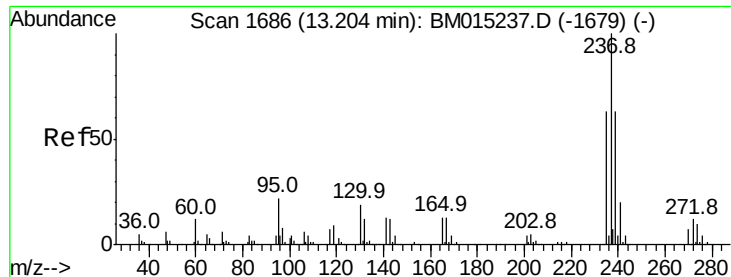
Tot Ion:164 Resp: 404521  
 Ion Ratio Lower Upper  
 164 100  
 162 102.9 82.4 123.6  
 160 47.0 35.8 53.6



#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 0.983 ng  
 RT: 13.23 min Scan# 1691  
 Delta R.T. 0.00 min  
 Lab File: BM015252.D  
 Acq: 22 May 2018 22:26

Tgt Ion:216 Resp: 14010  
 Ion Ratio Lower Upper  
 216 100  
 214 78.5 0.0 0.0#  
 179 21.8 0.0 0.0#  
 108 18.6 0.0 0.0#





#40

Hexachlorocyclopentadiene

Concen: 5.499 ng

RT: 13.21 min Scan# 1687

Delta R.T. 0.01 min

Lab File: BM015252.D

Acq: 22 May 2018 22:26

Instrument :

BNA\_M

ClientSampleId :

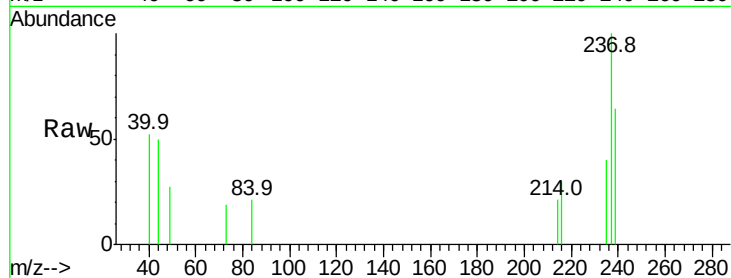
Tot Ion:237 Resp: 2271

Ion Ratio Lower Upper

237 100

235 40.1 42.0 82.0#

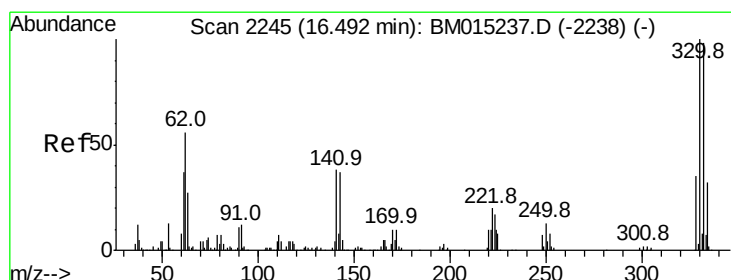
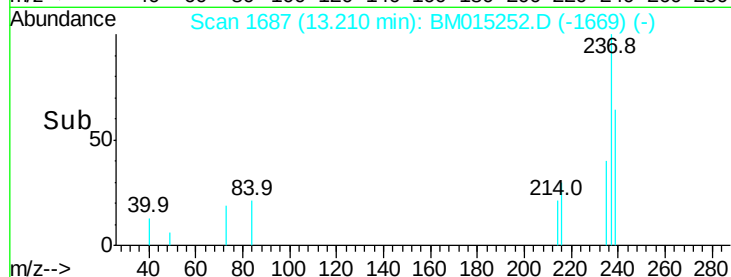
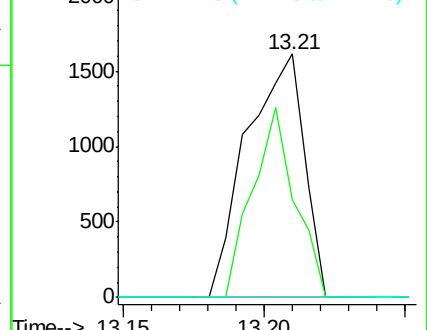
272 0.0 0.0 33.4



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



#41

2,4,6-Tribromophenol

Concen: 141.098 ng

RT: 16.49 min Scan# 2245

Delta R.T. 0.00 min

Lab File: BM015252.D

Acq: 22 May 2018 22:26

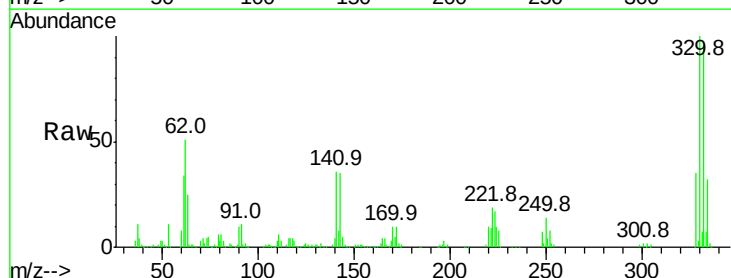
Tgt Ion:330 Resp: 715727

Ion Ratio Lower Upper

330 100

332 96.6 0.0 0.0#

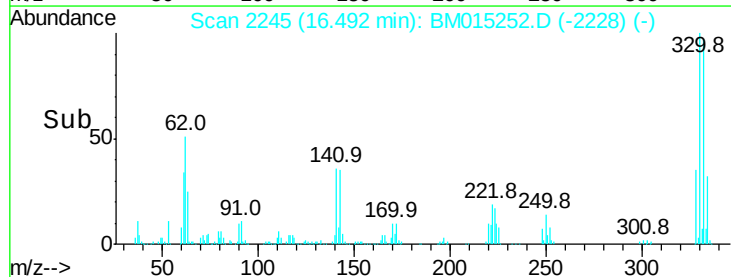
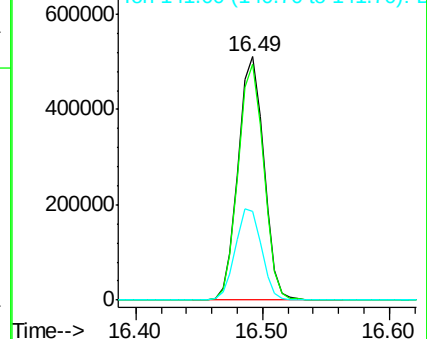
141 38.3 0.0 0.0#

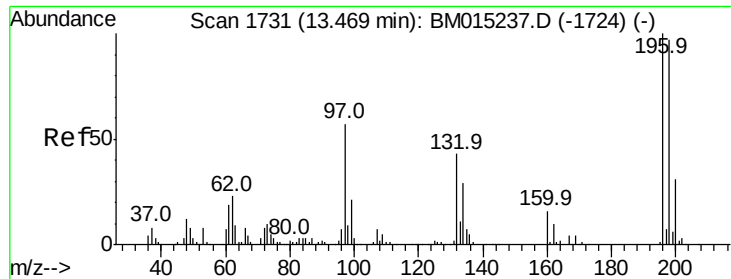


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

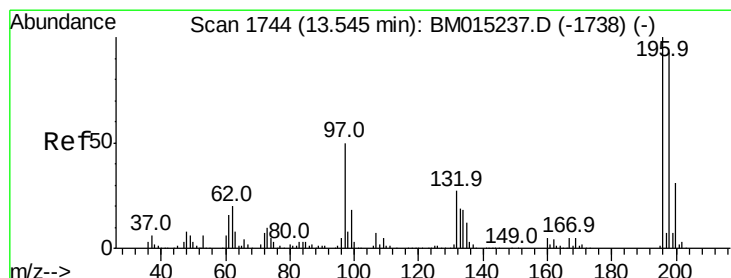
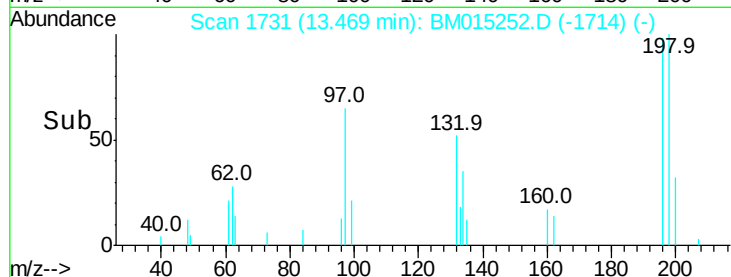
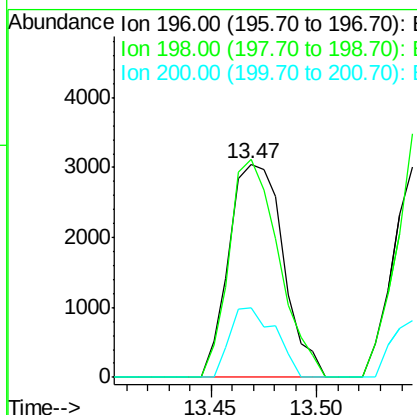
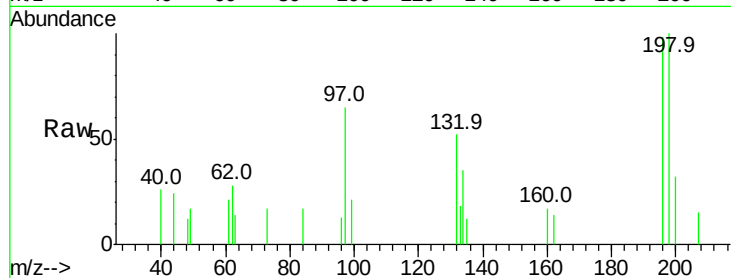




#42  
 2,4,6-Trichlorophenol  
 Concen: 0.636 ng  
 RT: 13.47 min Scan# 1731  
 Delta R.T. 0.00 min  
 Lab File: BM015252.D  
 Acq: 22 May 2018 22:26

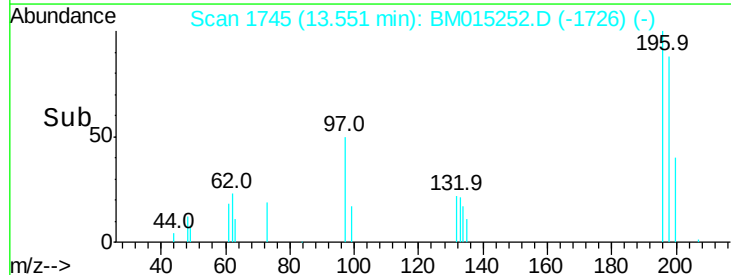
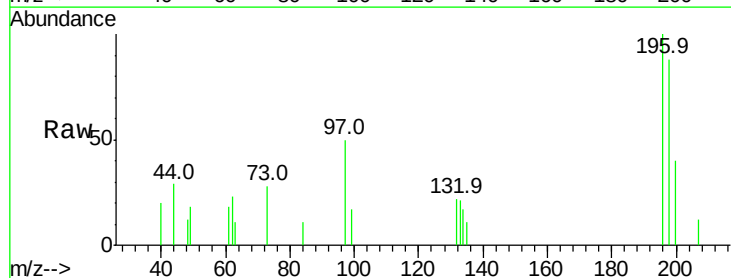
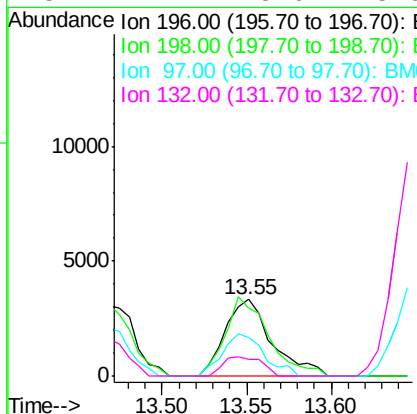
Instrument :  
 BNA\_M  
 ClientSampleId :

Tot Ion:196 Resp: 5448  
 Ion Ratio Lower Upper  
 196 100  
 198 101.9 76.3 114.5  
 200 32.5 25.6 38.4

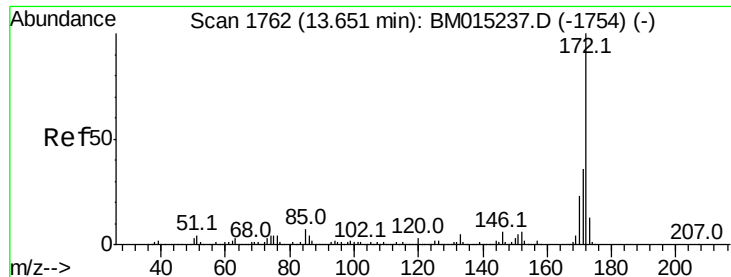


#43  
 2,4,5-Trichlorophenol  
 Concen: 0.691 ng  
 RT: 13.55 min Scan# 1745  
 Delta R.T. 0.01 min  
 Lab File: BM015252.D  
 Acq: 22 May 2018 22:26

Tgt Ion:196 Resp: 6391  
 Ion Ratio Lower Upper  
 196 100  
 198 88.2 79.4 119.0  
 97 50.4 26.8 40.2#  
 132 22.4 18.6 28.0



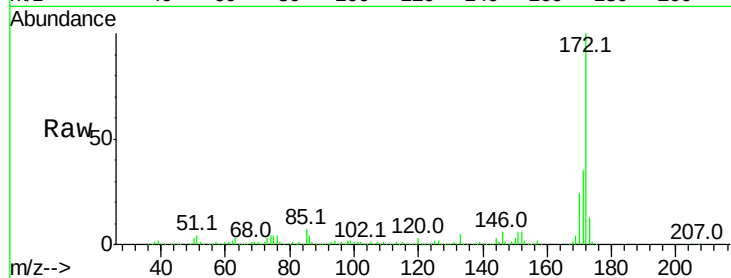




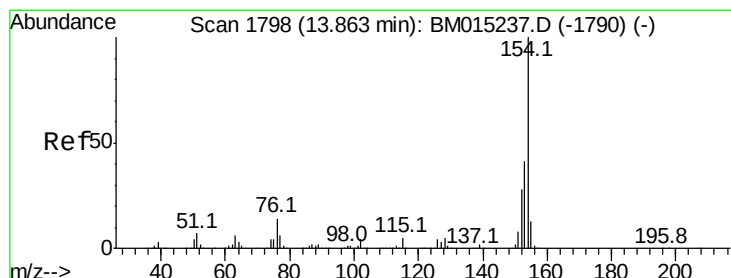
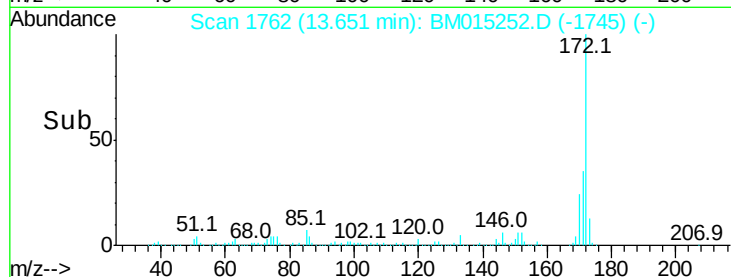
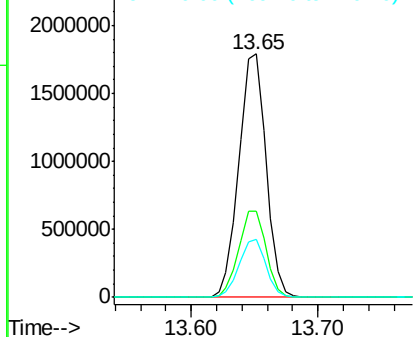
#44  
2-Fluorobiphenyl  
Concen: 81.962 ng  
RT: 13.65 min Scan# 1762  
Delta R.T. 0.00 min  
Lab File: BM015252.D  
Acq: 22 May 2018 22:26

Instrument :  
BNA\_M  
ClientSampleId :

Tot Ion:172 Resp: 2667103  
Ion Ratio Lower Upper  
172 100  
171 35.4 28.5 42.7  
170 24.0 18.8 28.2

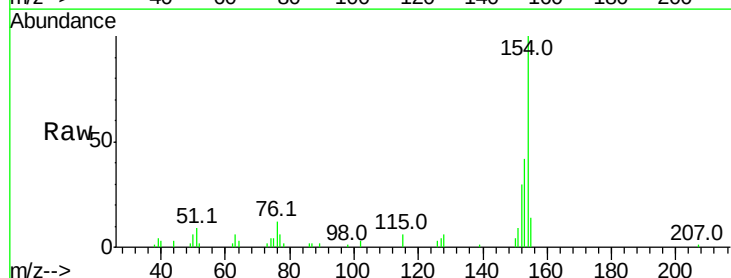


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

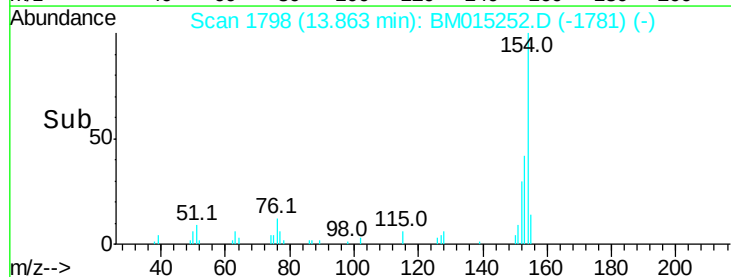
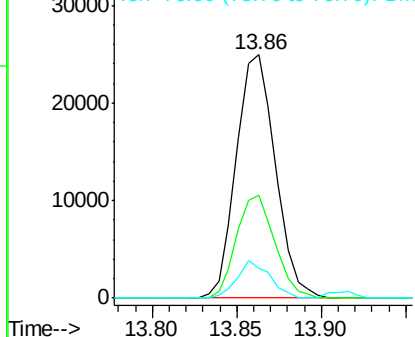


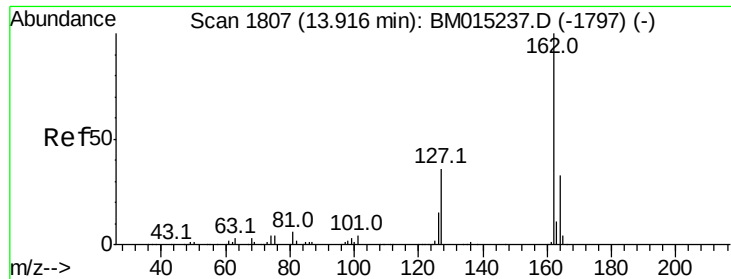
#45  
1,1'-Biphenyl  
Concen: 1.139 ng  
RT: 13.86 min Scan# 1798  
Delta R.T. 0.00 min  
Lab File: BM015252.D  
Acq: 22 May 2018 22:26

Tgt Ion:154 Resp: 40301  
Ion Ratio Lower Upper  
154 100  
153 42.3 20.7 60.7  
76 12.4 0.0 30.9



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

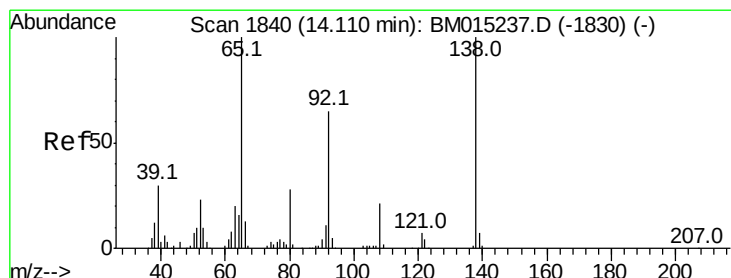
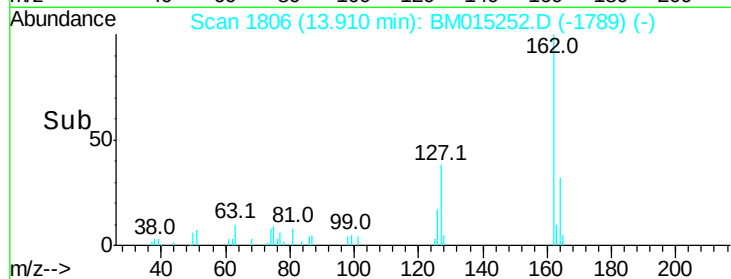
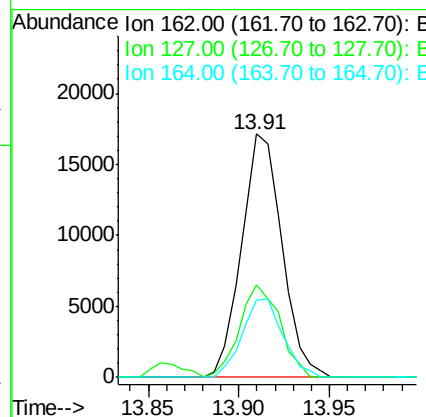
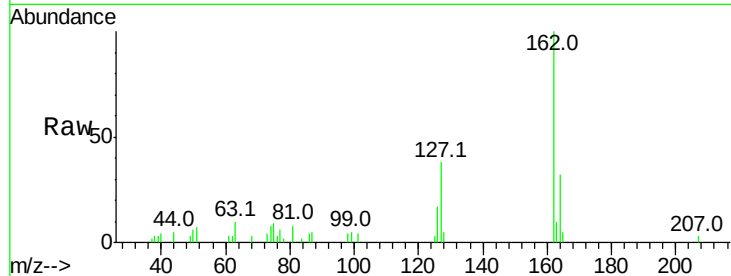




#46  
 2-Chloronaphthalene  
 Concen: 0.977 ng  
 RT: 13.91 min Scan# 1806  
 Delta R.T. 0.00 min  
 Lab File: BM015252.D  
 Acq: 22 May 2018 22:26

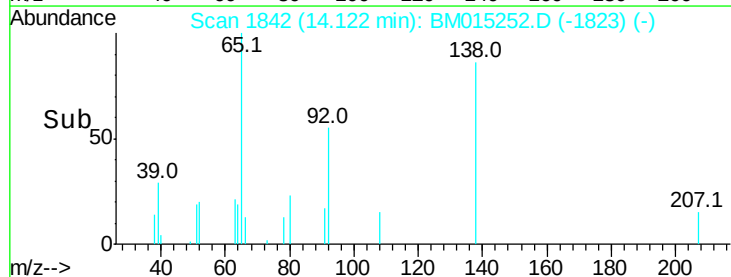
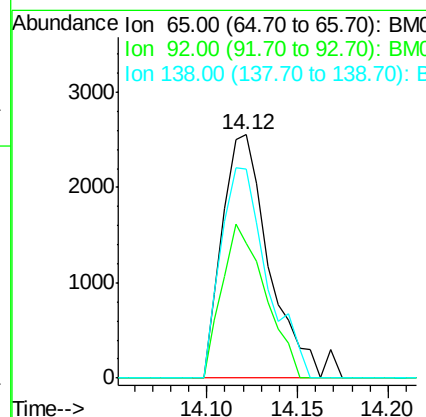
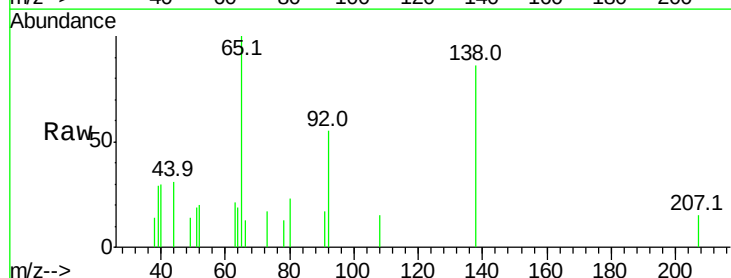
Instrument :  
 BNA\_M  
 ClientSampleId :

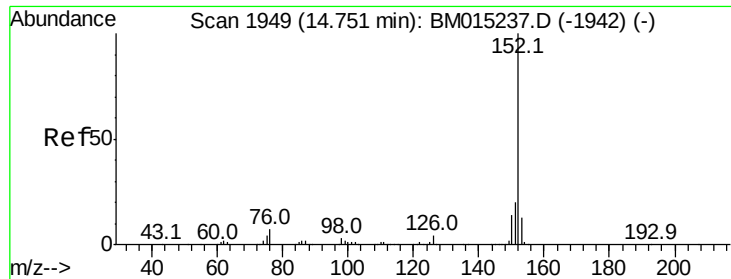
Tot Ion:162 Resp: 26614  
 Ion Ratio Lower Upper  
 162 100  
 127 38.2 26.9 40.3  
 164 31.6 26.8 40.2



#47  
 2-Nitroaniline  
 Concen: 0.601 ng  
 RT: 14.12 min Scan# 1842  
 Delta R.T. 0.01 min  
 Lab File: BM015252.D  
 Acq: 22 May 2018 22:26

Tgt Ion: 65 Resp: 4667  
 Ion Ratio Lower Upper  
 65 100  
 92 55.3 59.1 88.7#  
 138 85.7 93.9 140.9#





#48

Acenaphthylene

Concen: 0.813 ng

RT: 14.75 min Scan# 1948

Delta R.T. -0.01 min

Lab File: BM015252.D

Acq: 22 May 2018 22:26

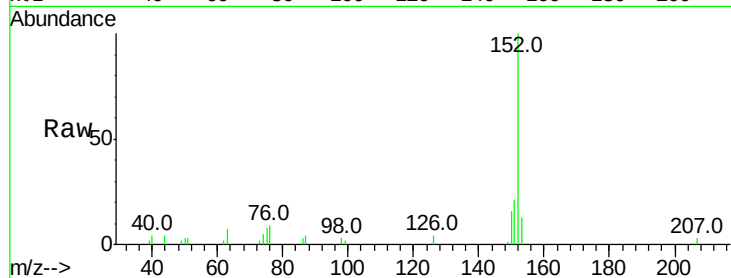
Instrument :

BNA\_M

ClientSampleId :

Tot Ion:152 Resp: 32908

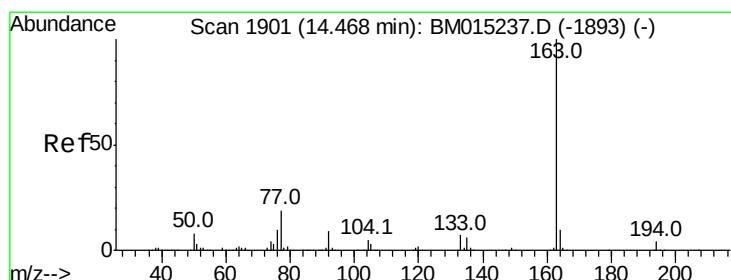
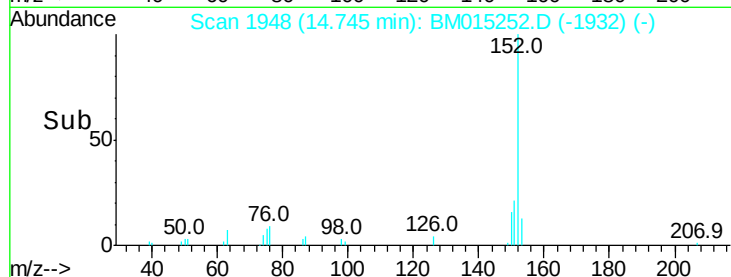
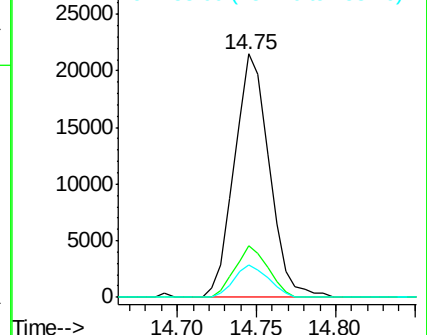
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 151 | 21.4  | 15.9  | 23.9  |
| 153 | 13.3  | 10.6  | 16.0  |



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



#49

Dimethylphthalate

Concen: 0.924 ng

RT: 14.46 min Scan# 1899

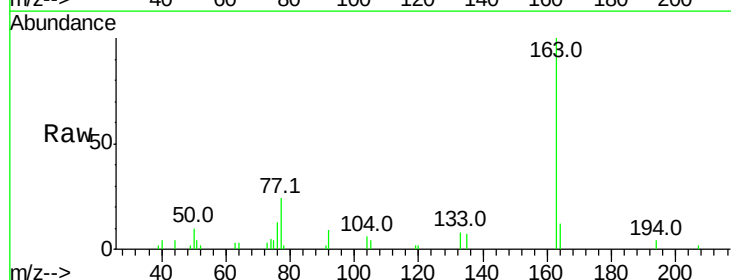
Delta R.T. -0.01 min

Lab File: BM015252.D

Acq: 22 May 2018 22:26

Tgt Ion:163 Resp: 29840

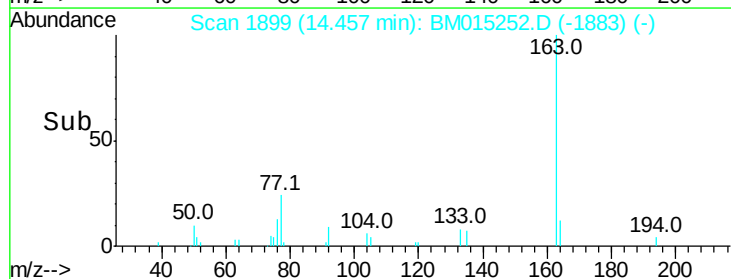
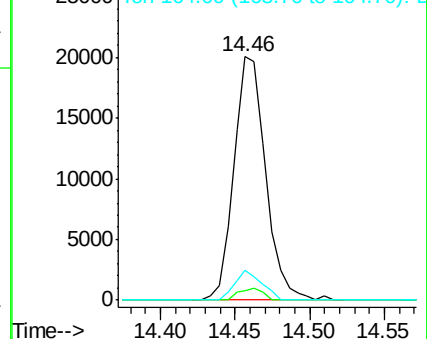
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 163 | 100   |       |       |
| 194 | 3.9   | 2.7   | 4.1   |
| 164 | 12.4  | 8.2   | 12.2# |

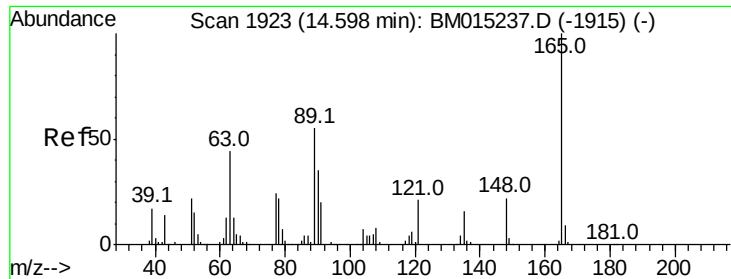


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

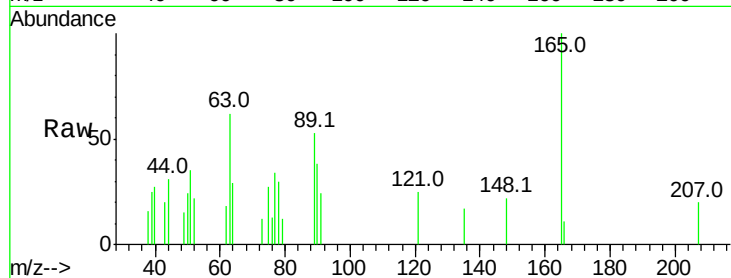




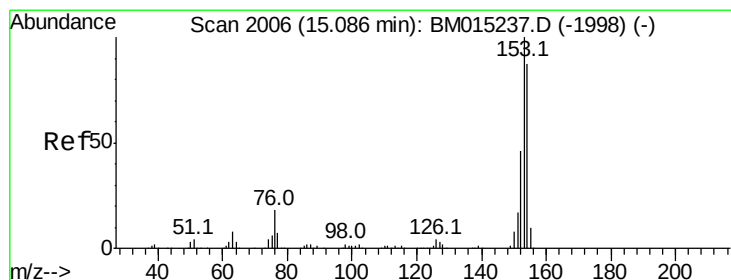
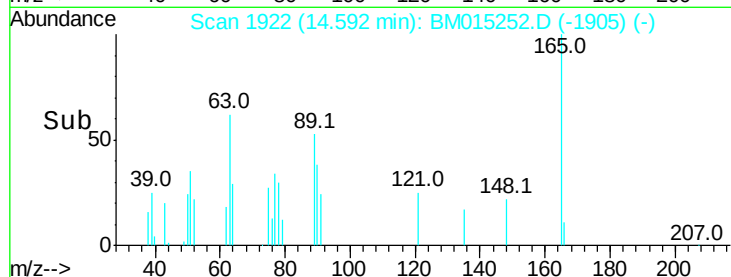
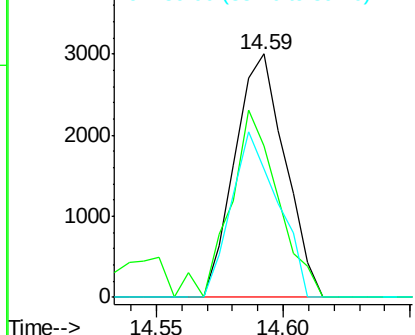
#50  
2,6-Dinitrotoluene  
Concen: 0.616 ng  
RT: 14.59 min Scan# 1922  
Delta R.T. 0.00 min  
Lab File: BM015252.D  
Acq: 22 May 2018 22:26

Instrument :  
BNA\_M  
ClientSampleId :

Tot Ion:165 Resp: 4147  
Ion Ratio Lower Upper  
165 100  
63 62.3 44.1 66.1  
89 53.0 44.3 66.5

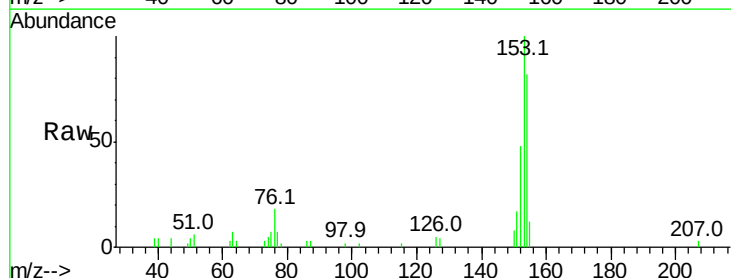


Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BM0  
Ion 89.00 (88.70 to 89.70): BM0

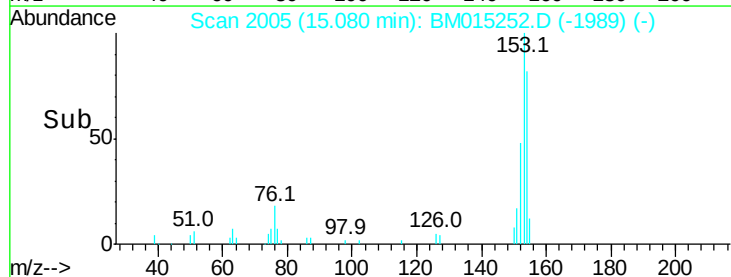
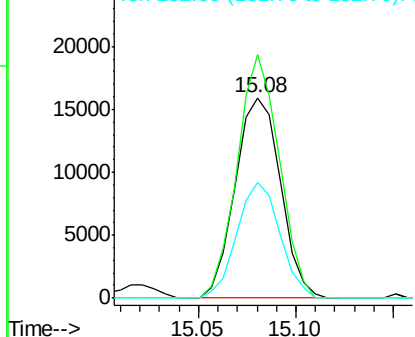


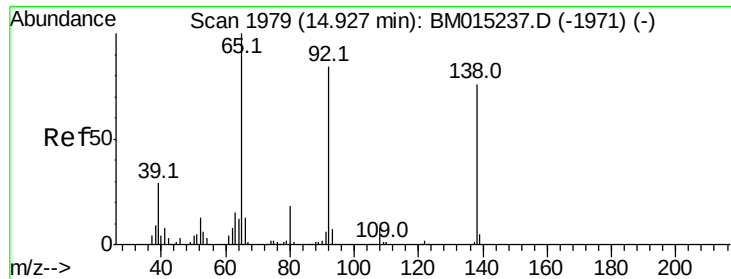
#51  
Acenaphthene  
Concen: 1.015 ng  
RT: 15.08 min Scan# 2005  
Delta R.T. -0.01 min  
Lab File: BM015252.D  
Acq: 22 May 2018 22:26

Tgt Ion:154 Resp: 25586  
Ion Ratio Lower Upper  
154 100  
153 121.7 90.0 135.0  
152 57.9 42.6 63.8



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





#52

3-Nitroaniline

Concen: 0.451 ng

RT: 14.93 min Scan# 1980

Delta R.T. 0.01 min

Lab File: BM015252.D

Acq: 22 May 2018 22:26

Instrument :

BNA\_M

ClientSampleId :

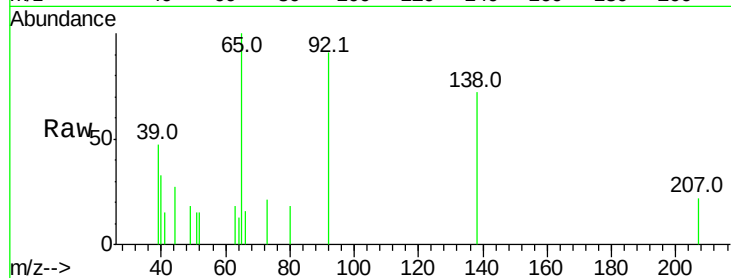
Tot Ion:138 Resp: 3197

Ion Ratio Lower Upper

138 100

108 0.0 7.3 10.9#

92 125.8 76.6 114.8#

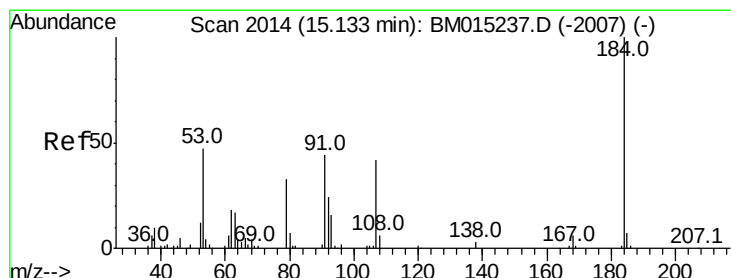
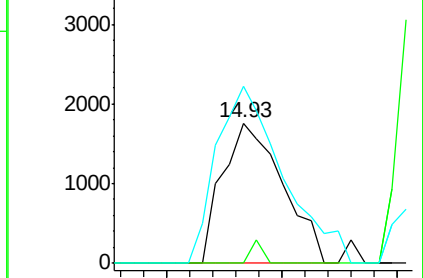
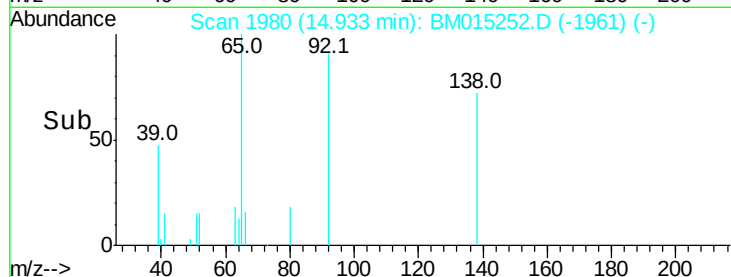


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): E

Time-->



#53

2,4-Dinitrophenol

Concen: 6.657 ng

RT: 15.15 min Scan# 2017

Delta R.T. 0.02 min

Lab File: BM015252.D

Acq: 22 May 2018 22:26

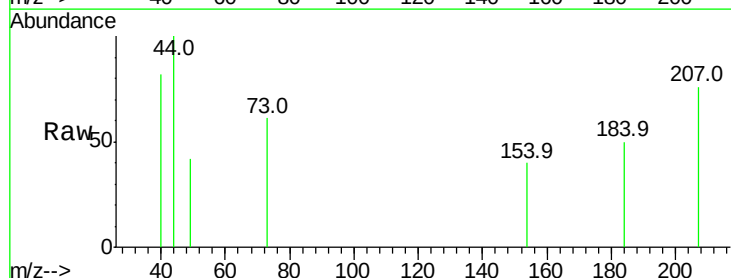
Tgt Ion:184 Resp: 491

Ion Ratio Lower Upper

184 100

63 0.0 69.2 103.8#

154 81.0 53.3 79.9#

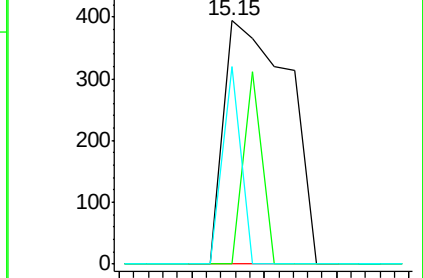
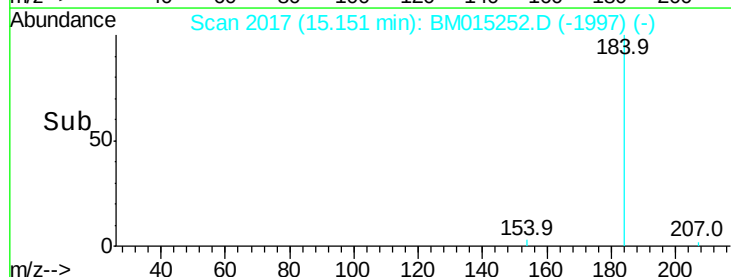


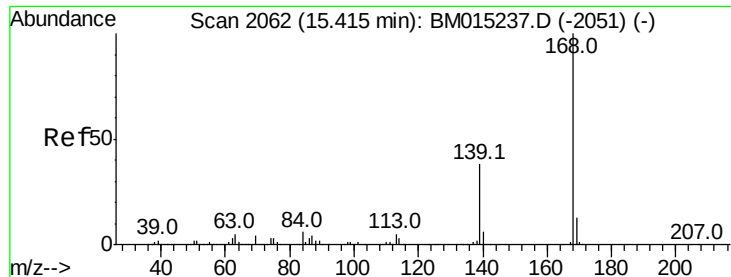
Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): E

Ion 154.00 (153.70 to 154.70): E

Time-->

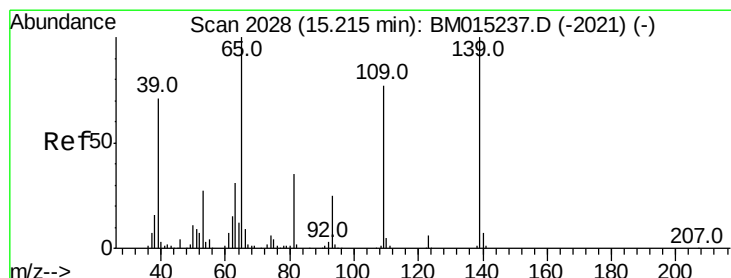
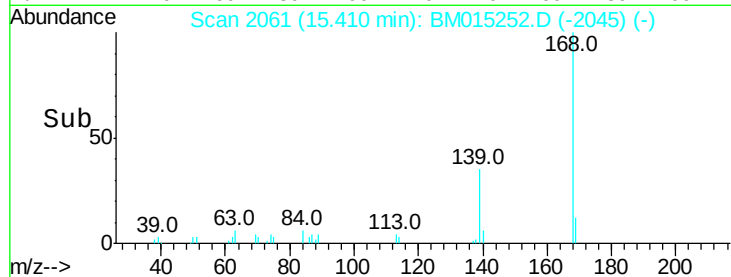
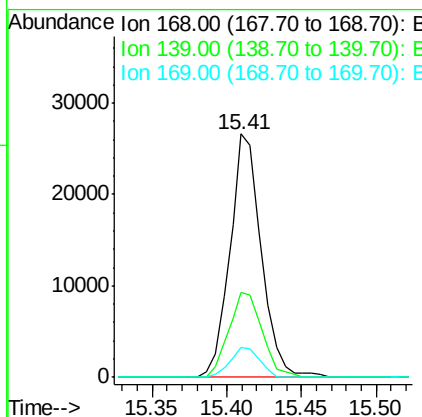
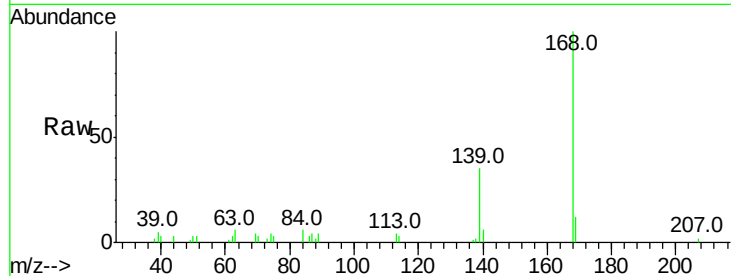




#54  
Dibenzofuran  
Concen: 0.984 ng  
RT: 15.41 min Scan# 2061  
Delta R.T. -0.01 min  
Lab File: BM015252.D  
Acq: 22 May 2018 22:26

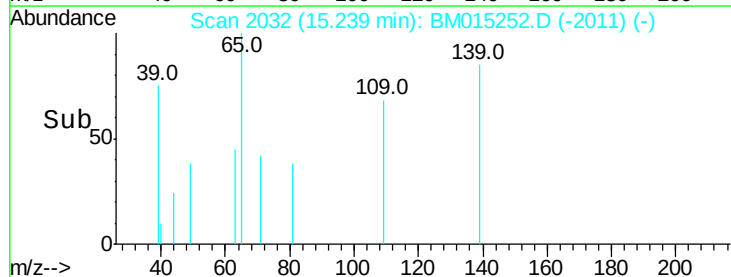
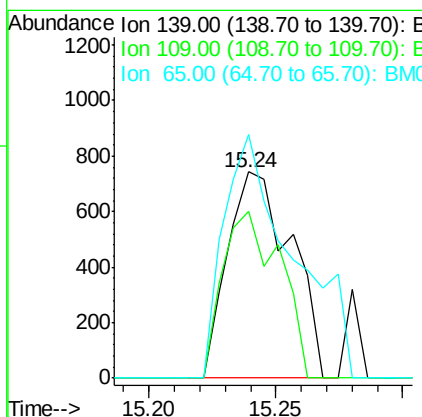
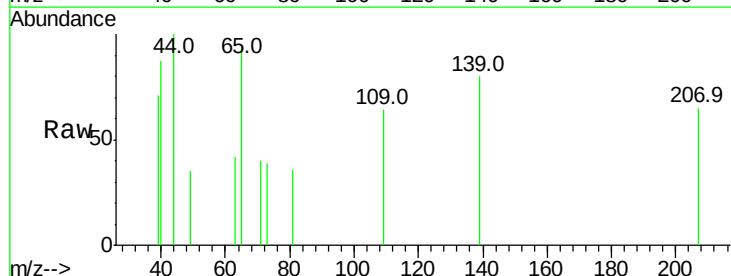
Instrument :  
BNA\_M  
ClientSampleId :

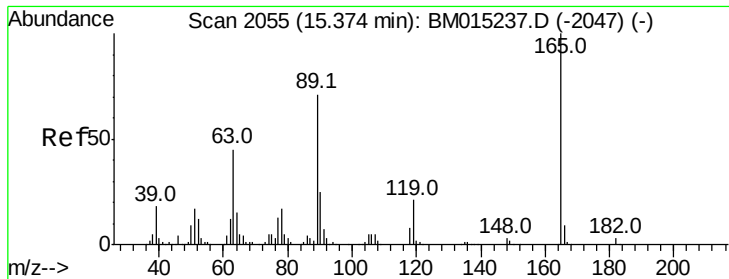
Tot Ion:168 Resp: 39088  
Ion Ratio Lower Upper  
168 100  
139 35.0 27.3 40.9  
169 12.0 10.6 16.0



#55  
4-Nitrophenol  
Concen: 0.226 ng  
RT: 15.24 min Scan# 2032  
Delta R.T. 0.02 min  
Lab File: BM015252.D  
Acq: 22 May 2018 22:26

Tgt Ion:139 Resp: 1298  
Ion Ratio Lower Upper  
139 100  
109 80.7 130.0 170.0#  
65 118.2 130.0 170.0#

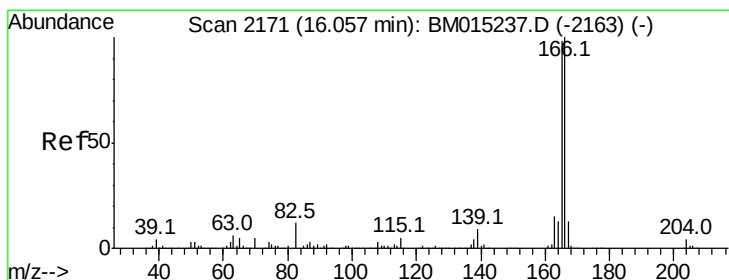
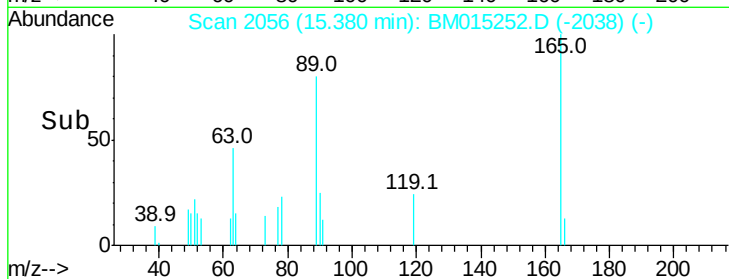
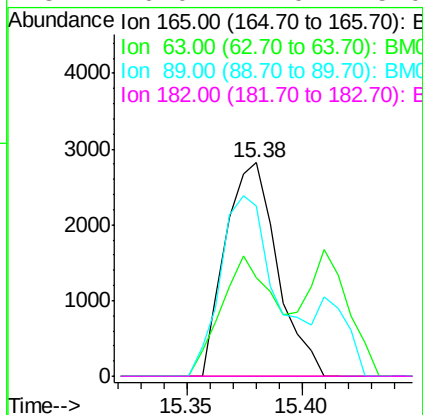
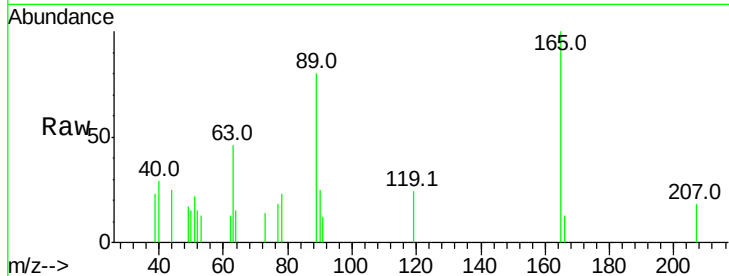




#56  
 2,4-Dinitrotoluene  
 Concen: 0.478 ng  
 RT: 15.38 min Scan# 2056  
 Delta R.T. 0.01 min  
 Lab File: BM015252.D  
 Acq: 22 May 2018 22:26

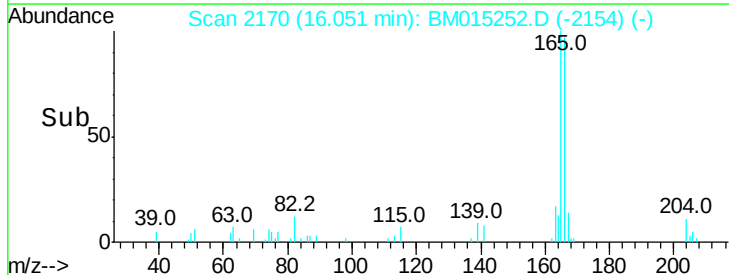
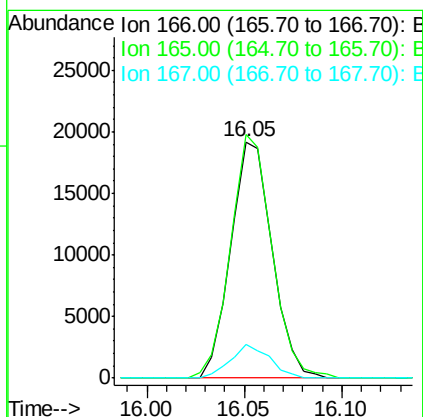
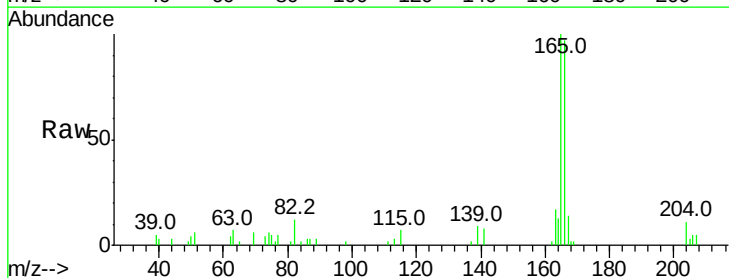
Instrument :  
 BNA\_M  
 ClientSampleId :

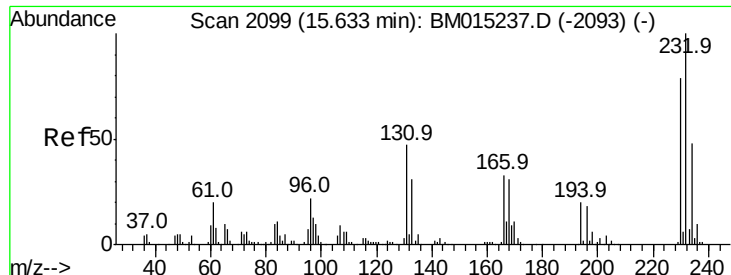
Tot Ion:165 Resp: 4410  
 Ion Ratio Lower Upper  
 165 100  
 63 46.2 52.4 78.6#  
 89 79.6 72.4 108.6  
 182 0.0 2.0 3.0#



#57  
 Fluorene  
 Concen: 0.898 ng  
 RT: 16.05 min Scan# 2170  
 Delta R.T. -0.01 min  
 Lab File: BM015252.D  
 Acq: 22 May 2018 22:26

Tgt Ion:166 Resp: 28211  
 Ion Ratio Lower Upper  
 166 100  
 165 103.0 79.0 118.4  
 167 14.4 10.3 15.5

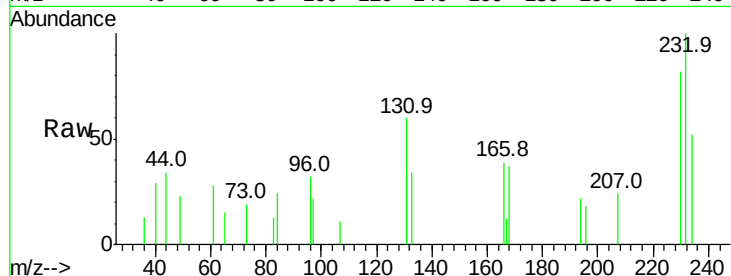




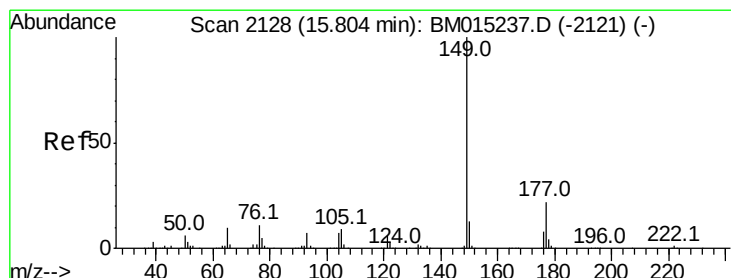
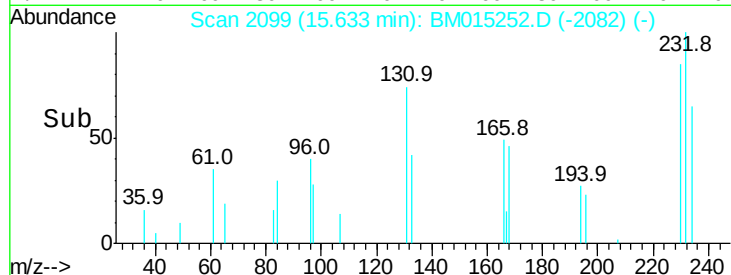
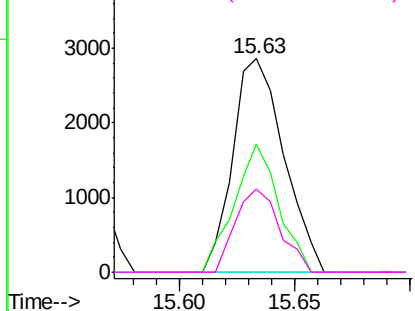
#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 0.555 ng  
 RT: 15.63 min Scan# 2099  
 Delta R.T. 0.00 min  
 Lab File: BM015252.D  
 Acq: 22 May 2018 22:26

Instrument :  
 BNA\_M  
 ClientSampled :

Tot Ion:232 Resp: 4397  
 Ion Ratio Lower Upper  
 232 100  
 131 52.1 0.0 0.0#  
 130 0.0 0.0 0.0  
 166 33.9 0.0 0.0#

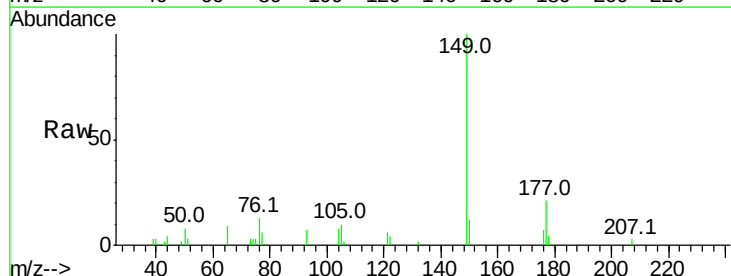


Abundance Ion 232.00 (231.70 to 232.70): E  
 Ion 131.00 (130.70 to 131.70): E  
 Ion 130.00 (129.70 to 130.70): E  
 Ion 166.00 (165.70 to 166.70): E

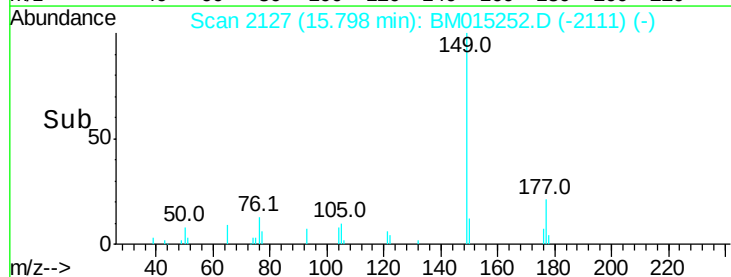
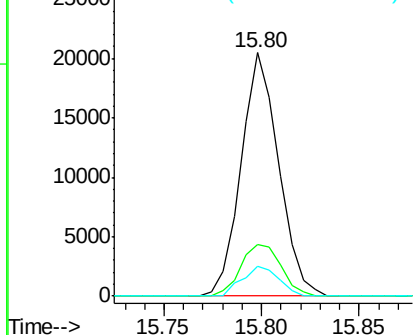


#59  
 Diethylphthalate  
 Concen: 0.856 ng  
 RT: 15.80 min Scan# 2127  
 Delta R.T. -0.01 min  
 Lab File: BM015252.D  
 Acq: 22 May 2018 22:26

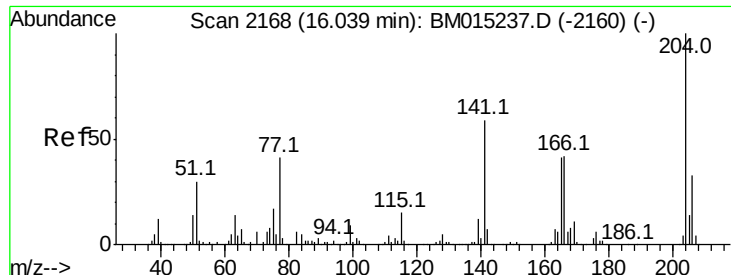
Tgt Ion:149 Resp: 27226  
 Ion Ratio Lower Upper  
 149 100  
 177 21.2 18.3 27.5  
 150 12.3 9.8 14.8



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



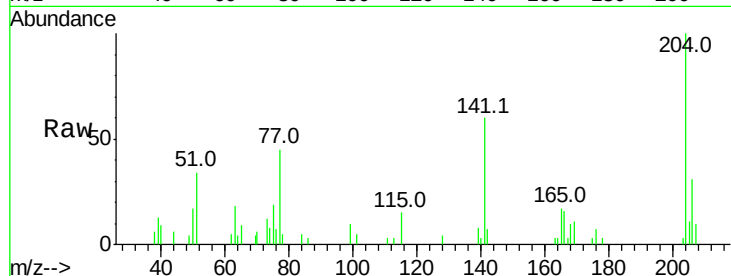




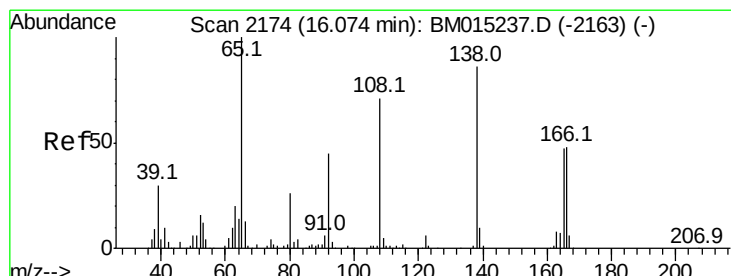
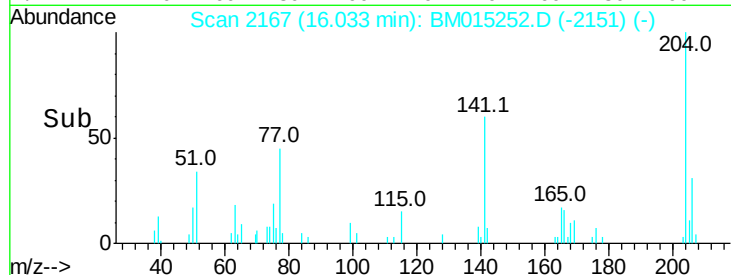
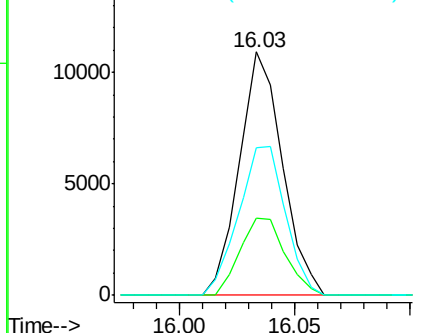
#60  
 4-Chlorophenyl-phenylether  
 Concen: 0.887 ng  
 RT: 16.03 min Scan# 2167  
 Delta R.T. -0.01 min  
 Lab File: BM015252.D  
 Acq: 22 May 2018 22:26

Instrument :  
 BNA\_M  
 ClientSampleId :

Tot Ion:204 Resp: 14188  
 Ion Ratio Lower Upper  
 204 100  
 206 31.5 26.6 39.8  
 141 60.4 45.2 67.8

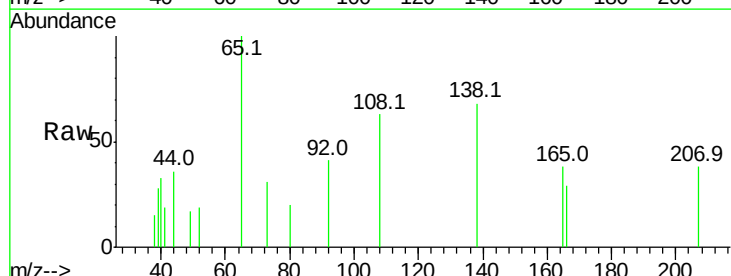


Abundance Ion 204.00 (203.70 to 204.70): E  
 Ion 206.00 (205.70 to 206.70): E  
 Ion 141.00 (140.70 to 141.70): E

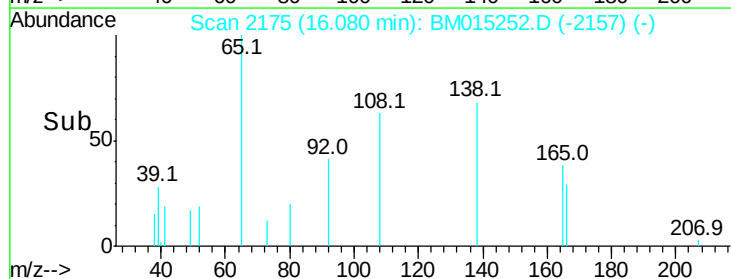
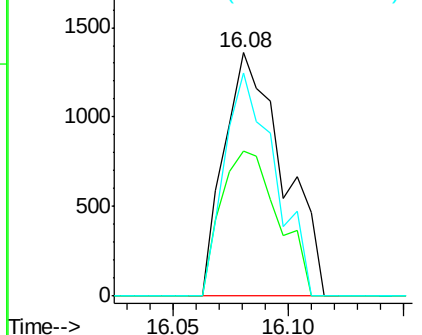


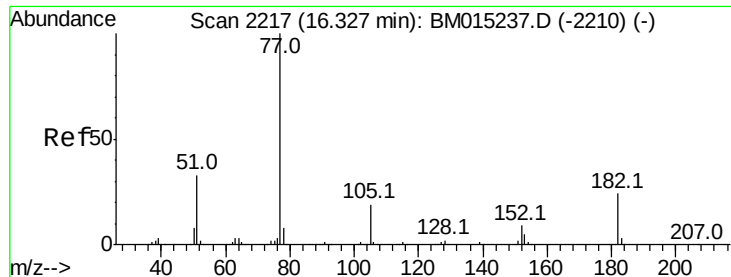
#61  
 4-Nitroaniline  
 Concen: 0.326 ng  
 RT: 16.08 min Scan# 2175  
 Delta R.T. 0.01 min  
 Lab File: BM015252.D  
 Acq: 22 May 2018 22:26

Tgt Ion:138 Resp: 2415  
 Ion Ratio Lower Upper  
 138 100  
 92 59.8 16.7 56.7#  
 108 91.7 37.6 77.6#



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





#62

Azobenzene

Concen: 0.687 ng

RT: 16.33 min Scan# 2217

Delta R.T. 0.00 min

Lab File: BM015252.D

Acq: 22 May 2018 22:26

Instrument :

BNA\_M

ClientSampleId :

Tot Ion: 77 Resp: 20760

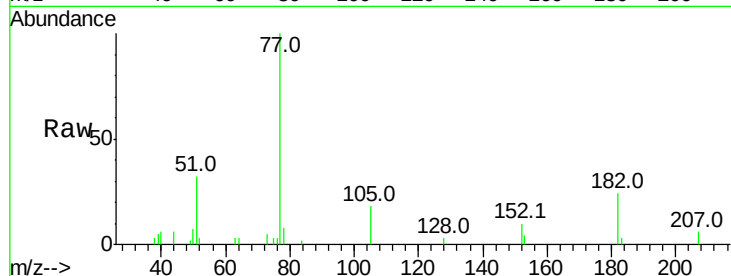
Ion Ratio Lower Upper

77 100

182 24.0 6.5 46.5

105 18.0 3.8 43.8

51 32.1 5.5 45.5

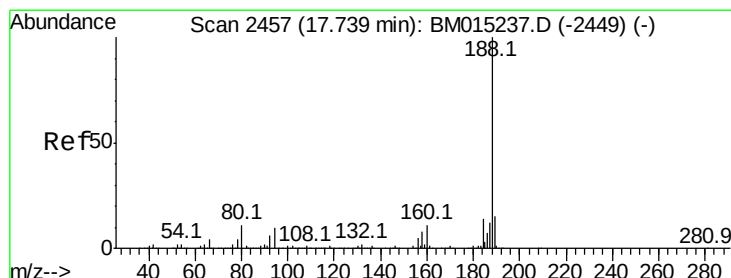
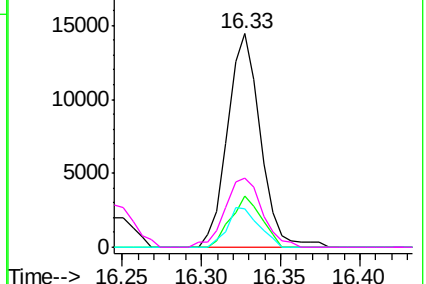
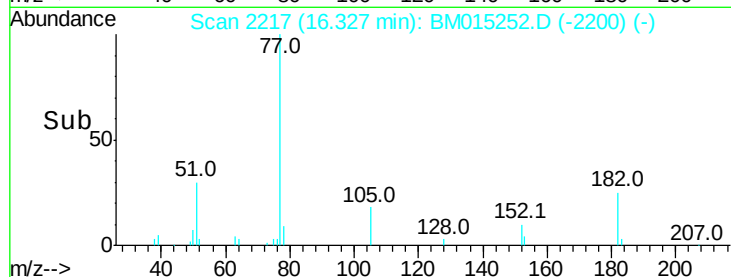


Abundance Ion 77.00 (76.70 to 77.70): BM0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BM0



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.73 min Scan# 2456

Delta R.T. -0.01 min

Lab File: BM015252.D

Acq: 22 May 2018 22:26

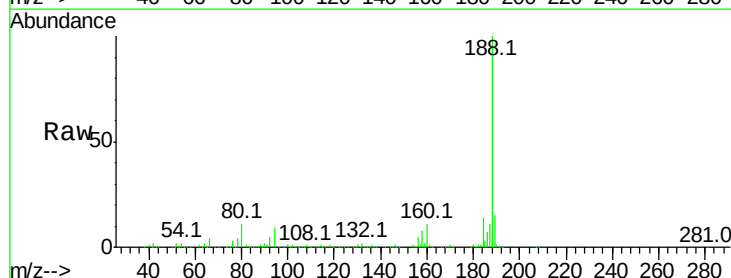
Tgt Ion: 188 Resp: 843656

Ion Ratio Lower Upper

188 100

94 9.4 8.7 13.1

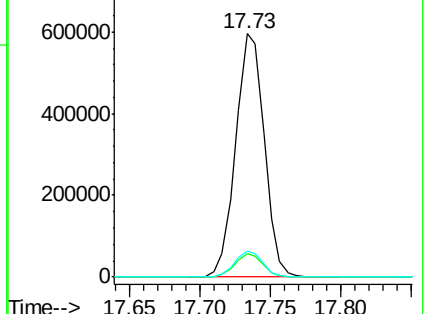
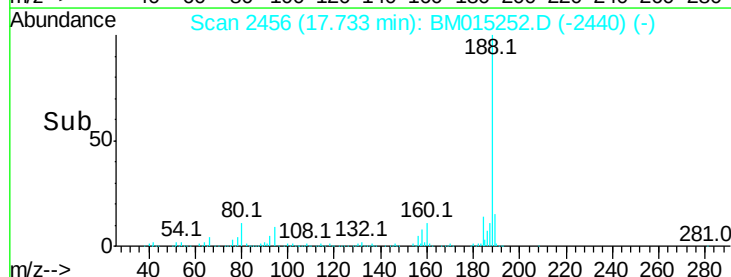
80 10.8 9.3 13.9

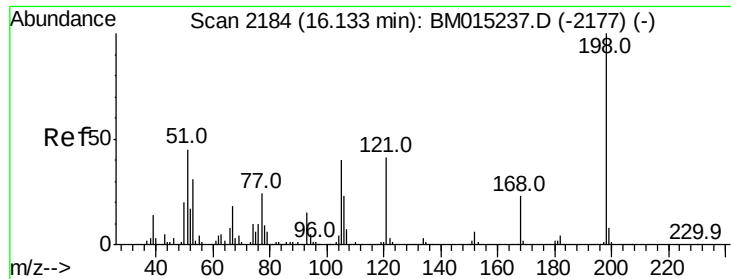


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0





#64

4,6-Dinitro-2-methylphenol

Concen: 0.319 ng

RT: 16.13 min Scan# 2183

Delta R.T. 0.00 min

Lab File: BM015252.D

Acq: 22 May 2018 22:26

Instrument :

BNA\_M

ClientSampleId :

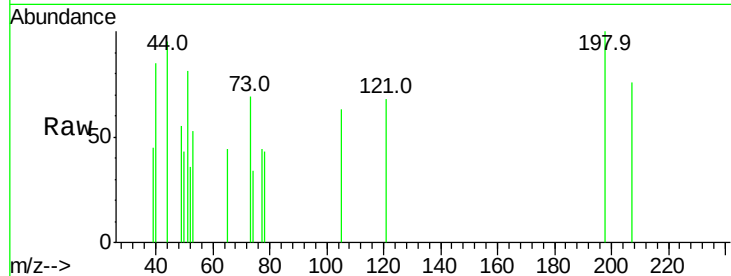
Tot Ion:198 Resp: 1484

Ion Ratio Lower Upper

198 100

51 80.5 28.8 68.8#

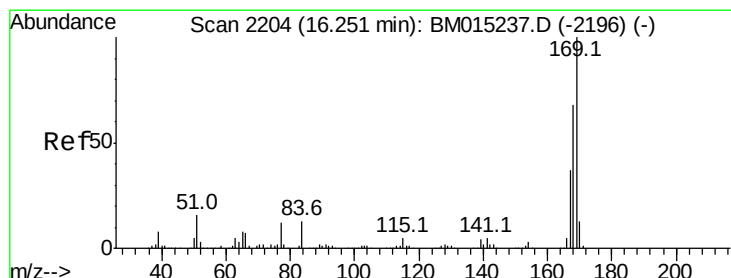
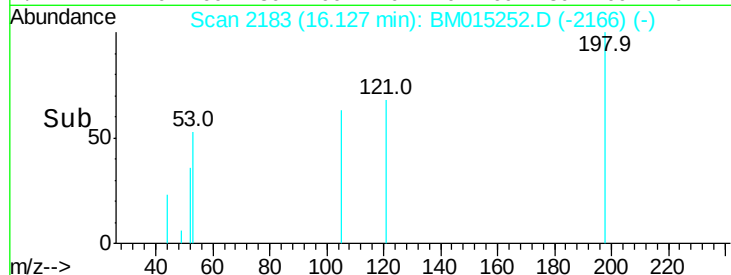
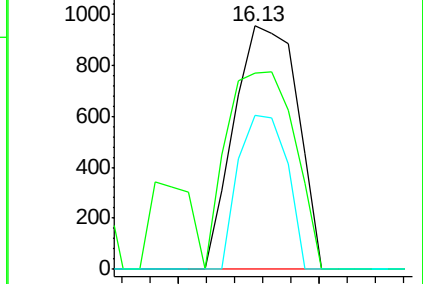
105 63.3 30.5 70.5



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BM015237.D (-2177) (-)

Ion 105.00 (104.70 to 105.70): E



#65

n-Nitrosodiphenylamine

Concen: 0.821 ng

RT: 16.25 min Scan# 2204

Delta R.T. 0.00 min

Lab File: BM015252.D

Acq: 22 May 2018 22:26

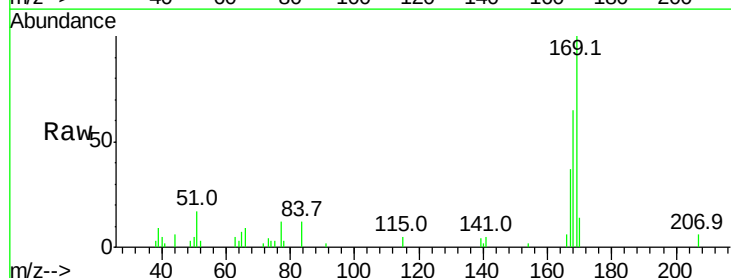
Tgt Ion:169 Resp: 22254

Ion Ratio Lower Upper

169 100

168 65.5 53.9 80.9

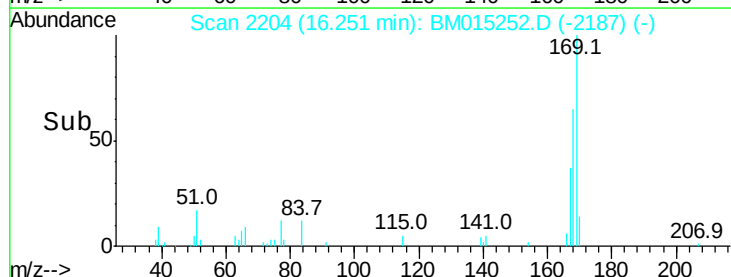
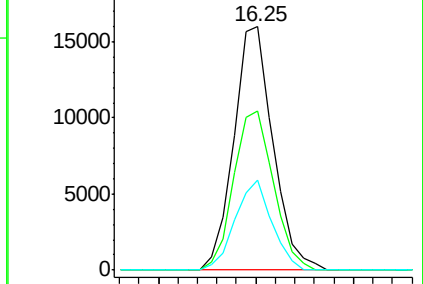
167 36.9 28.9 43.3

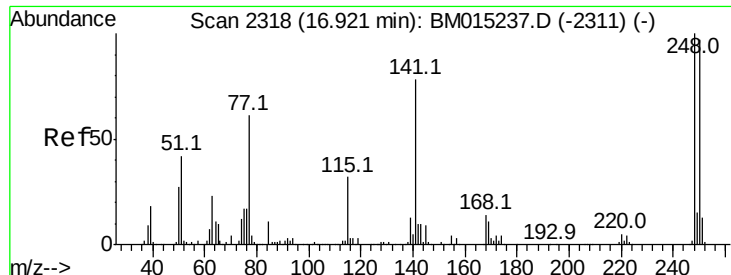


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

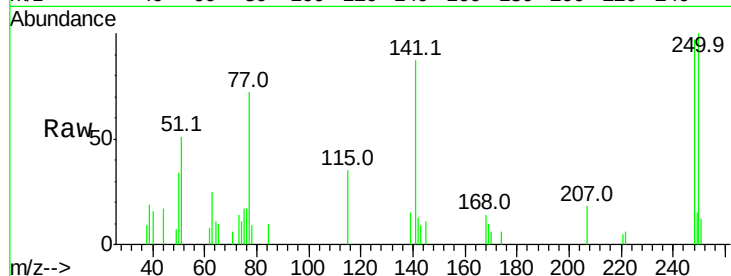




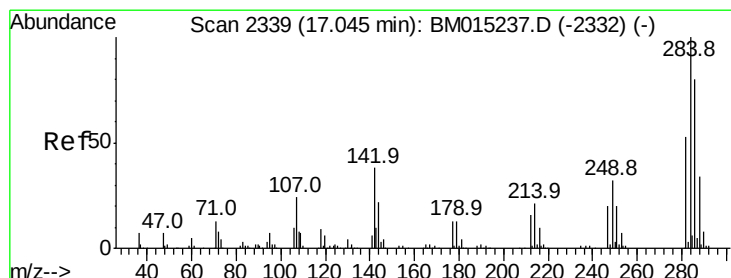
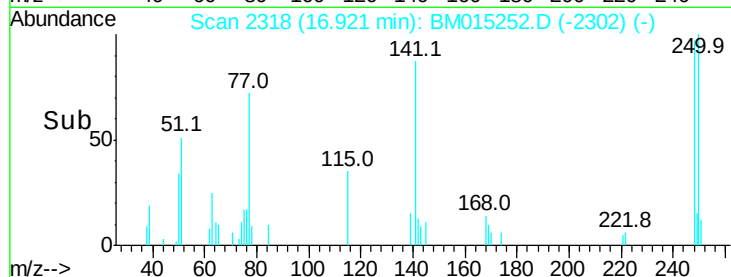
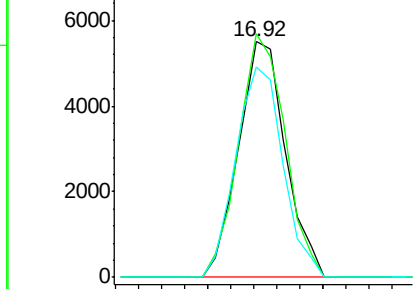
#66  
4-Bromophenyl-phenylether  
Concen: 0.831 ng  
RT: 16.92 min Scan# 2318  
Delta R.T. -0.01 min  
Lab File: BM015252.D  
Acq: 22 May 2018 22:26

Instrument :  
BNA\_M  
ClientSampleId :

Tot Ion:248 Resp: 7830  
Ion Ratio Lower Upper  
248 100  
250 103.3 77.4 116.0  
141 89.4 45.2 67.8#

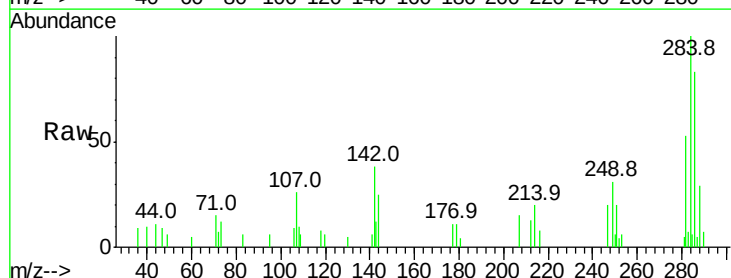


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

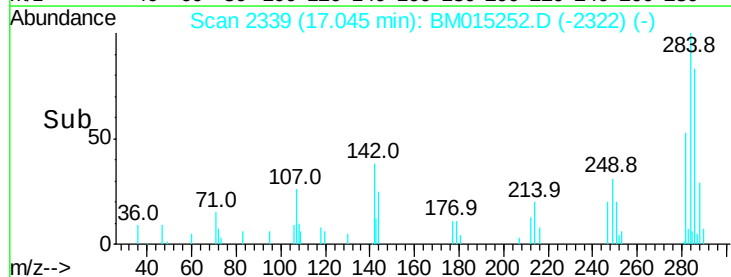
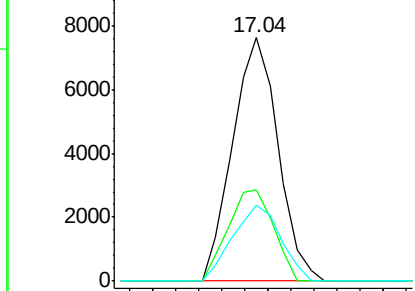


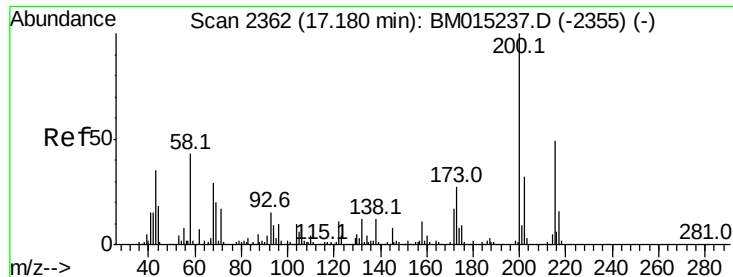
#67  
Hexachlorobenzene  
Concen: 0.965 ng  
RT: 17.04 min Scan# 2339  
Delta R.T. 0.00 min  
Lab File: BM015252.D  
Acq: 22 May 2018 22:26

Tgt Ion:284 Resp: 10476  
Ion Ratio Lower Upper  
284 100  
142 37.5 20.4 30.6#  
249 31.1 23.8 35.6



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

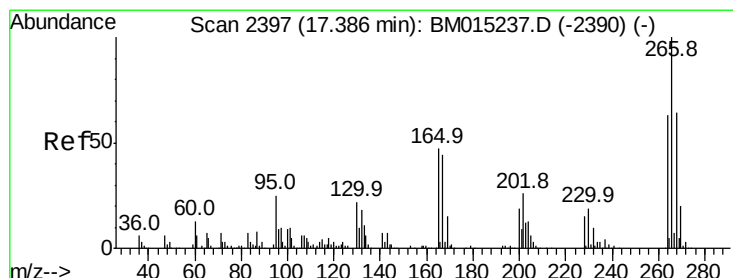
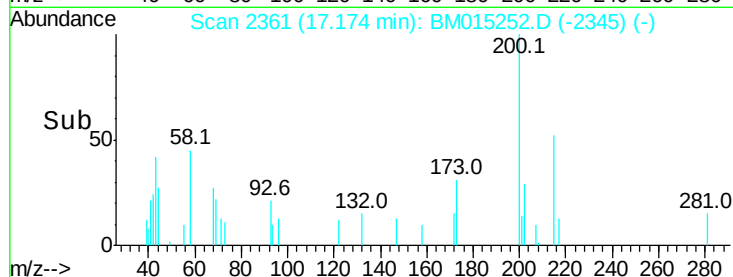
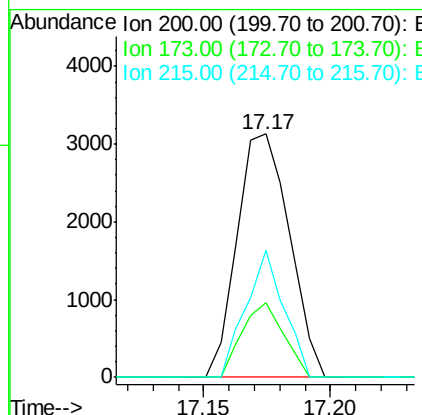
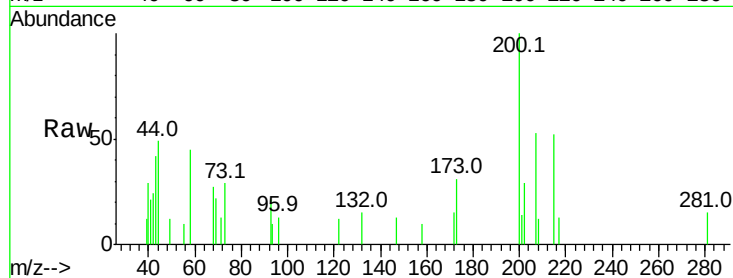




#68  
Atrazine  
Concen: 0.523 ng  
RT: 17.17 min Scan# 2361  
Delta R.T. -0.01 min  
Lab File: BM015252.D  
Acq: 22 May 2018 22:26

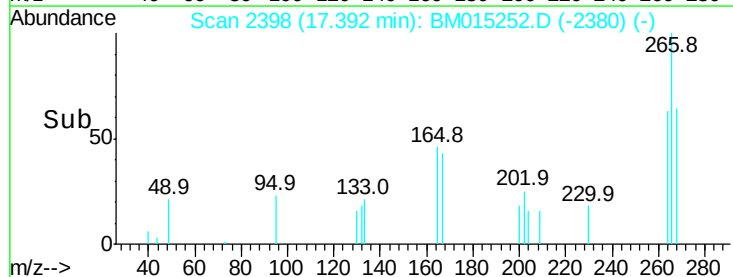
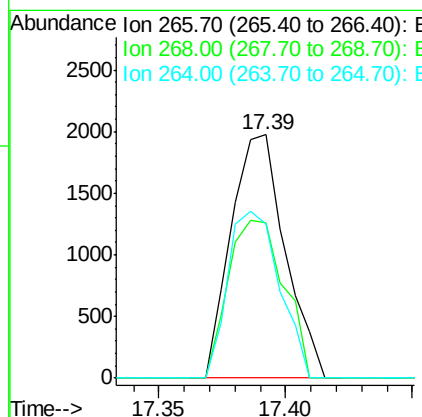
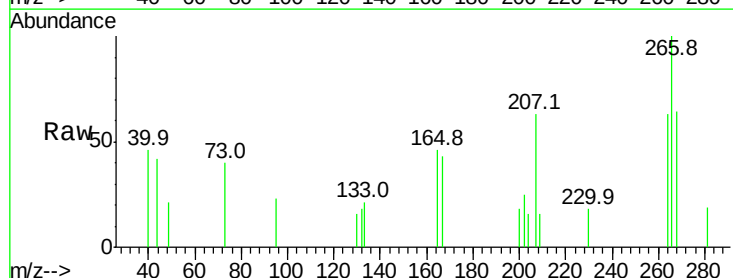
Instrument :  
BNA\_M  
ClientSampleId :

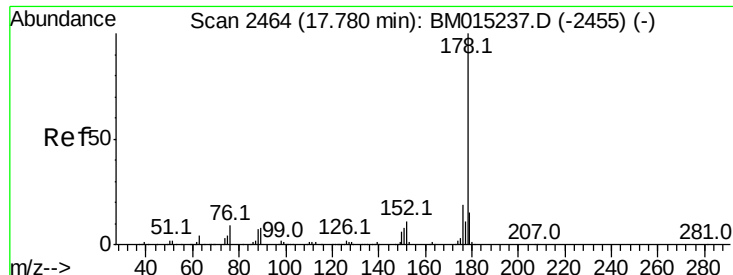
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 30.8  | 4.8   | 44.8  |
| 215     | 52.1  | 26.9  | 66.9  |



#69  
Pentachlorophenol  
Concen: 0.486 ng  
RT: 17.39 min Scan# 2398  
Delta R.T. 0.01 min  
Lab File: BM015252.D  
Acq: 22 May 2018 22:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 63.6  | 52.0  | 78.0  |
| 264     | 63.0  | 49.0  | 73.4  |





#70

Phenanthrene

Concen: 0.983 ng

RT: 17.78 min Scan# 2464

Delta R.T. 0.00 min

Lab File: BM015252.D

Acq: 22 May 2018 22:26

Instrument :

BNA\_M

ClientSampleId :

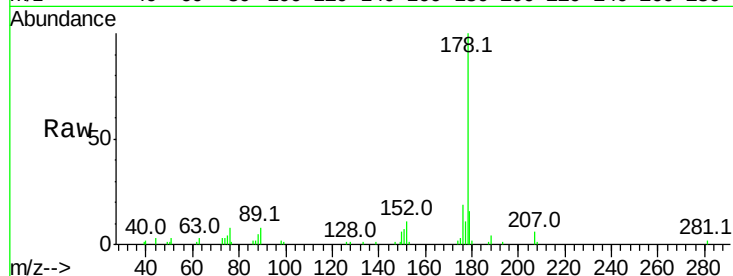
Tot Ion:178 Resp: 47233

Ion Ratio Lower Upper

178 100

176 18.7 15.2 22.8

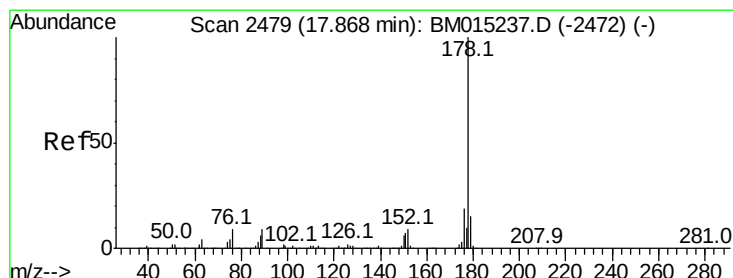
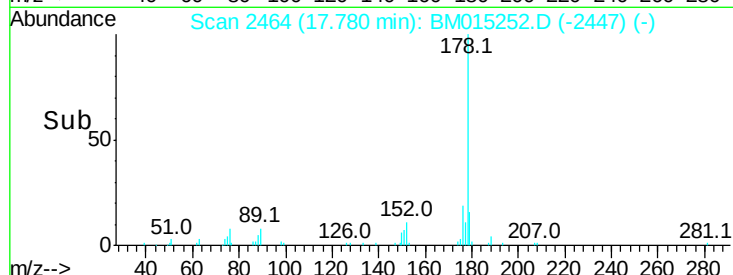
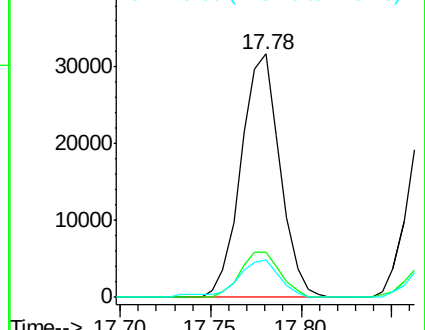
179 15.6 12.1 18.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 0.820 ng

RT: 17.87 min Scan# 2479

Delta R.T. 0.00 min

Lab File: BM015252.D

Acq: 22 May 2018 22:26

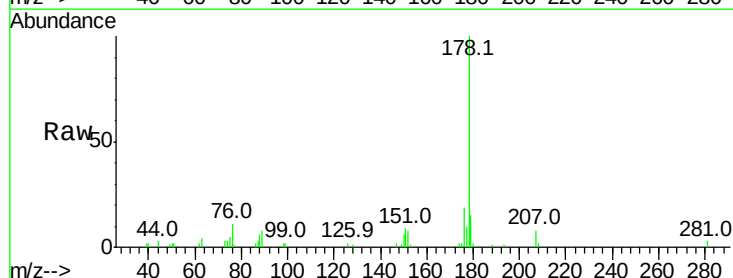
Tgt Ion:178 Resp: 39285

Ion Ratio Lower Upper

178 100

176 19.2 14.6 22.0

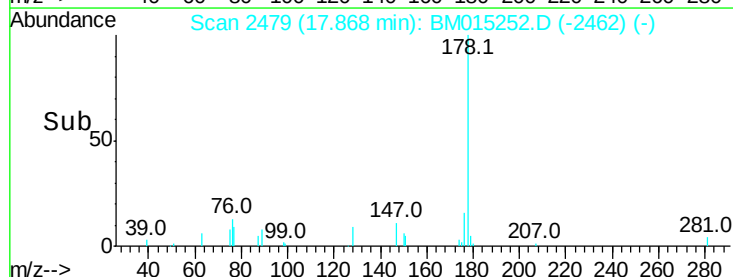
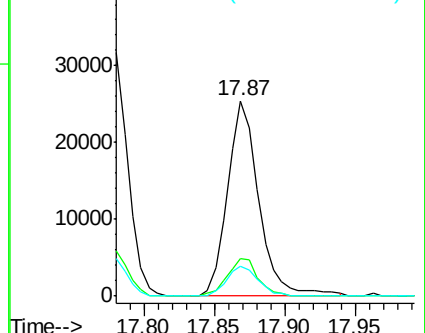
179 15.1 12.6 19.0

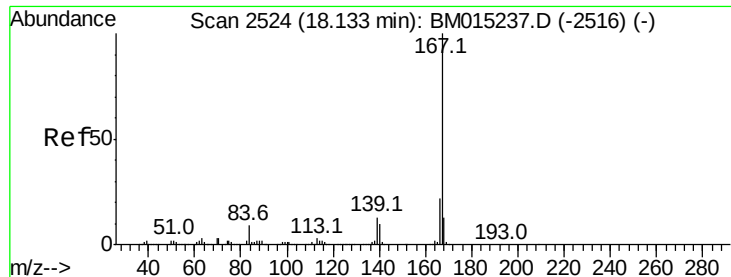


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

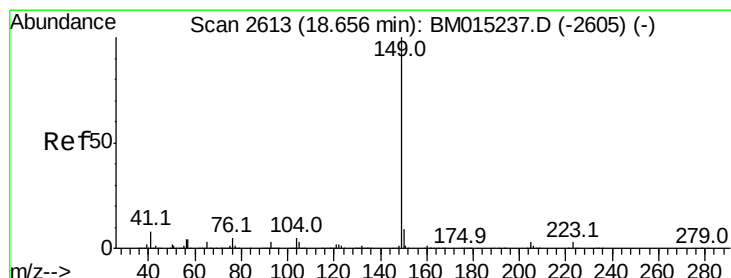
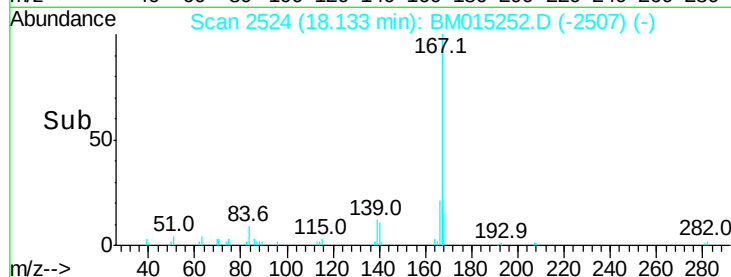
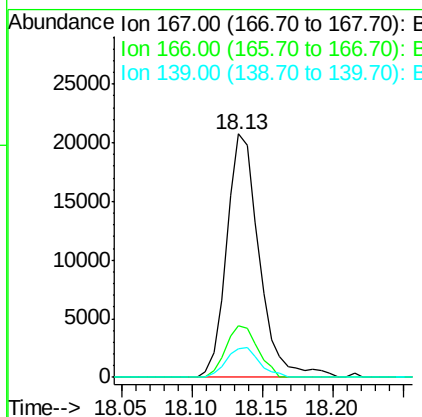
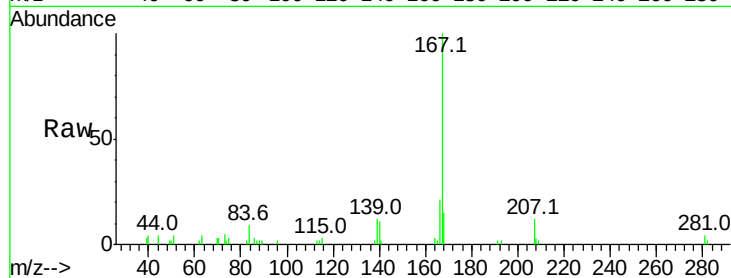




#72  
 Carbazole  
 Concen: 0.787 ng  
 RT: 18.13 min Scan# 2524  
 Delta R.T. 0.00 min  
 Lab File: BM015252.D  
 Acq: 22 May 2018 22:26

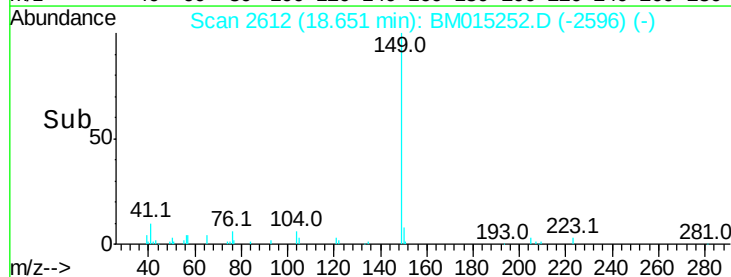
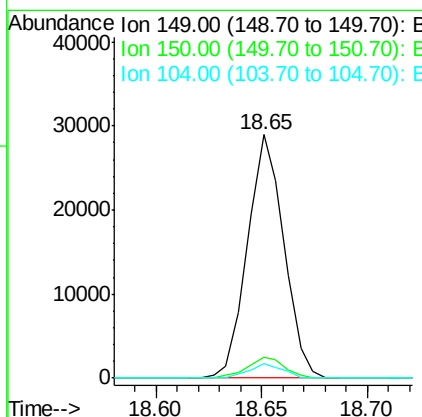
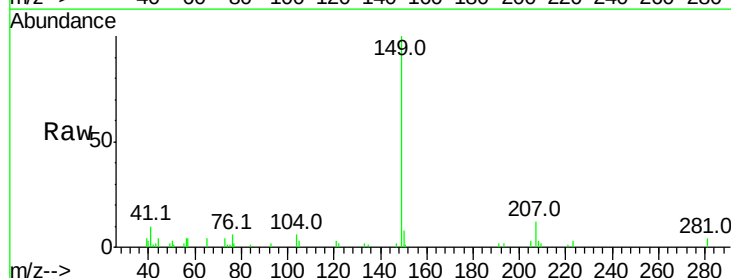
Instrument :  
 BNA\_M  
 ClientSampled :

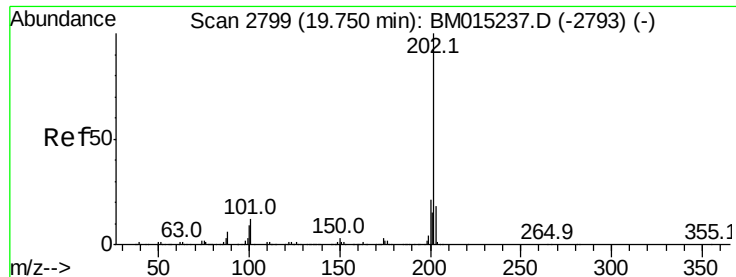
Tot Ion:167 Resp: 33366  
 Ion Ratio Lower Upper  
 167 100  
 166 21.1 17.2 25.8  
 139 11.6 10.8 16.2



#73  
 Di-n-butylphthalate  
 Concen: 0.694 ng  
 RT: 18.65 min Scan# 2612  
 Delta R.T. -0.01 min  
 Lab File: BM015252.D  
 Acq: 22 May 2018 22:26

Tgt Ion:149 Resp: 34673  
 Ion Ratio Lower Upper  
 149 100  
 150 8.4 7.5 11.3  
 104 5.8 3.7 5.5#





#74

Fluoranthene

Concen: 0.862 ng

RT: 19.75 min Scan# 2799

Delta R.T. 0.00 min

Lab File: BM015252.D

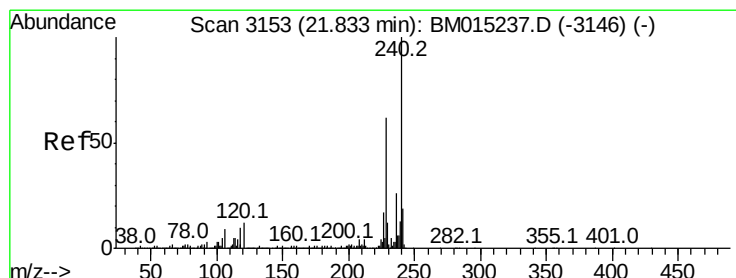
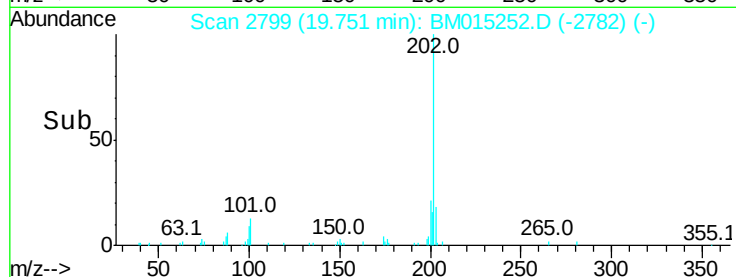
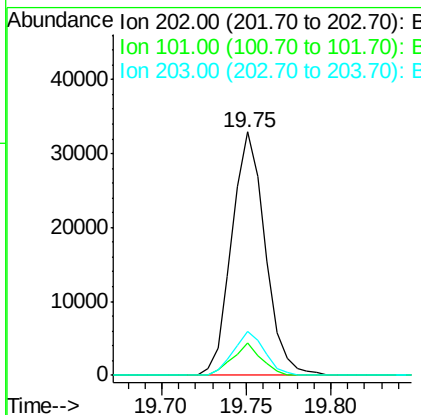
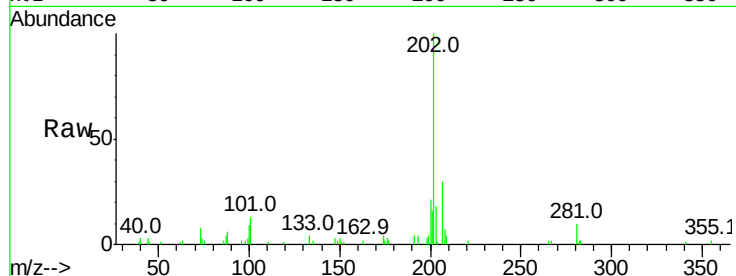
Acq: 22 May 2018 22:26

Instrument :

BNA\_M

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 202   | Resp: | 45454 |
| Ion      | Ratio | Lower | Upper |
| 202      | 100   |       |       |
| 101      | 13.3  | 0.0   | 28.7  |
| 203      | 17.8  | 0.0   | 37.2  |



#75

Chrysene-d12

Concen: 20.000 ng

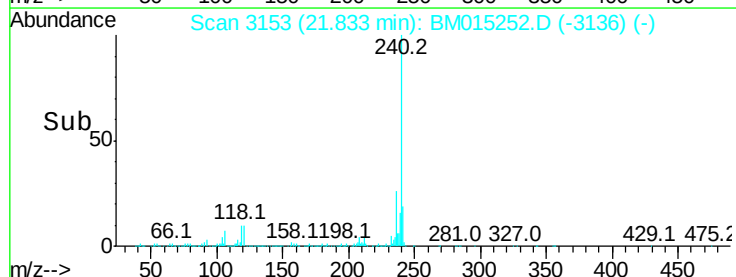
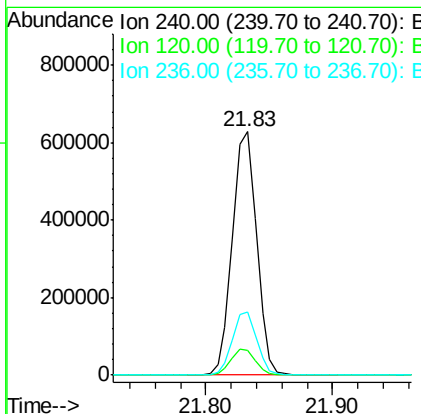
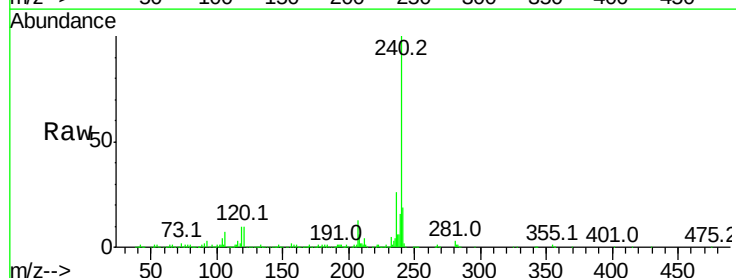
RT: 21.83 min Scan# 3153

Delta R.T. 0.00 min

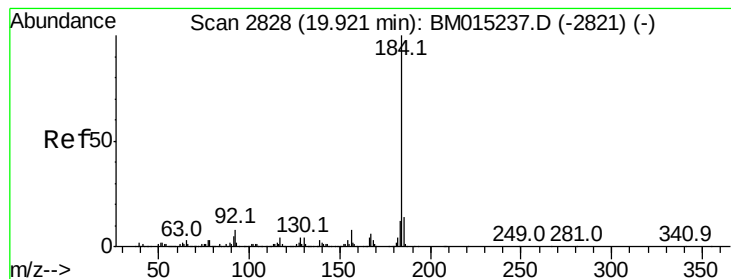
Lab File: BM015252.D

Acq: 22 May 2018 22:26

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 240   | Resp: | 829879 |
| Ion      | Ratio | Lower | Upper  |
| 240      | 100   |       |        |
| 120      | 10.2  | 8.2   | 12.2   |
| 236      | 25.9  | 20.0  | 30.0   |







#76

Benzidine

Concen: 0.412 ng

RT: 19.93 min Scan# 2829

Delta R.T. 0.01 min

Lab File: BM015252.D

Acq: 22 May 2018 22:26

Instrument :

BNA\_M

ClientSampleId :

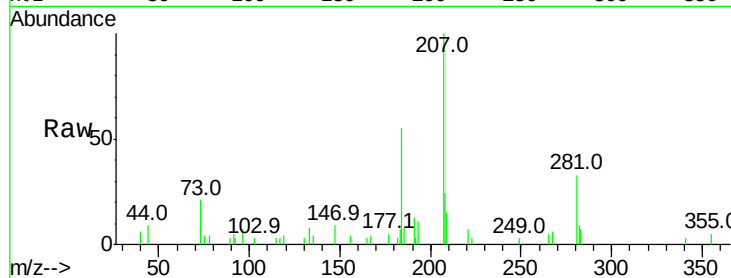
Tot Ion:184 Resp: 10705

Ion Ratio Lower Upper

184 100

185 14.7 11.3 16.9

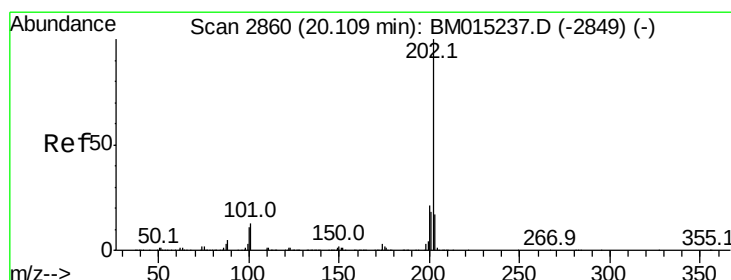
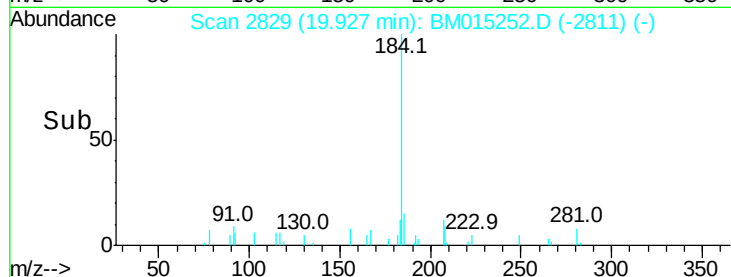
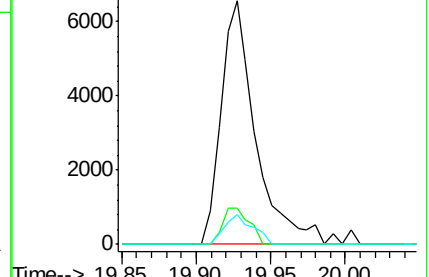
183 12.3 8.9 13.3



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#77

Pyrene

Concen: 0.908 ng

RT: 20.11 min Scan# 2860

Delta R.T. 0.00 min

Lab File: BM015252.D

Acq: 22 May 2018 22:26

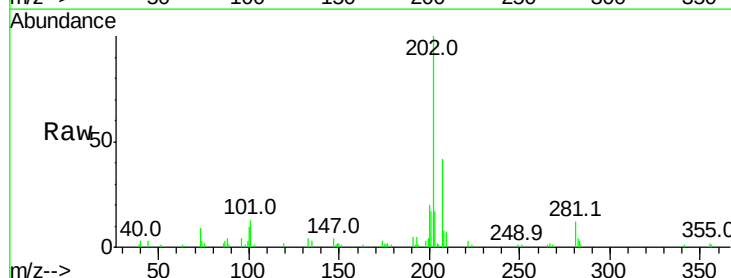
Tgt Ion:202 Resp: 47557

Ion Ratio Lower Upper

202 100

200 19.7 16.9 25.3

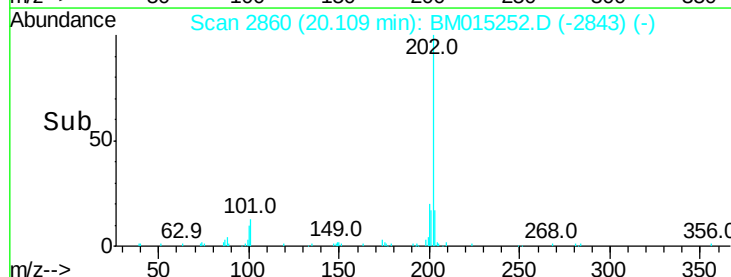
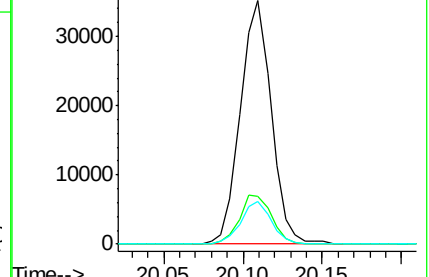
203 17.3 14.1 21.1

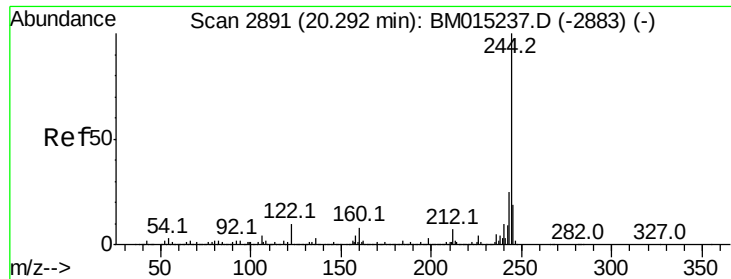


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

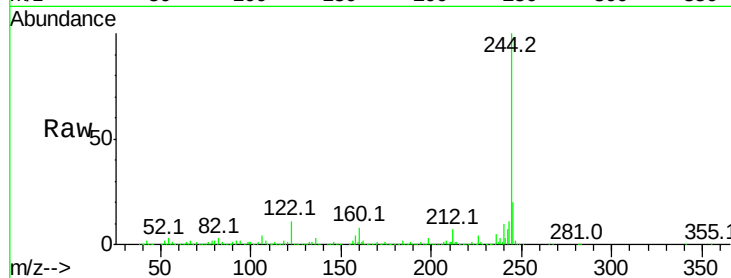




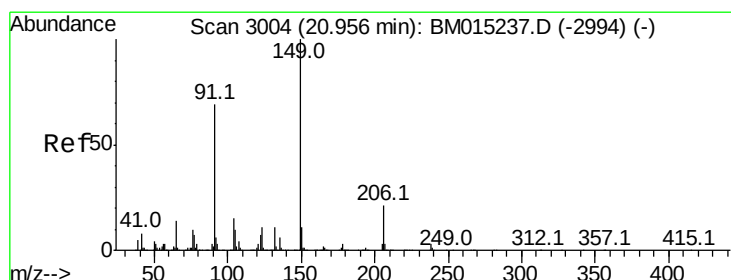
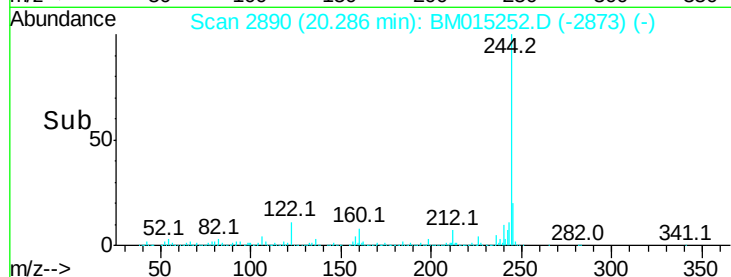
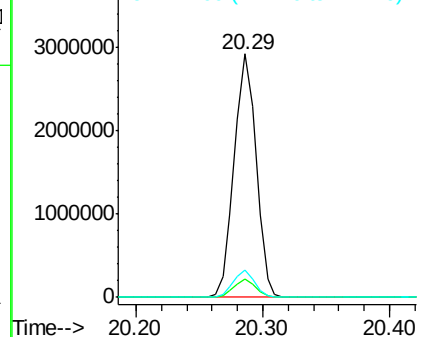
#78  
 Terphenyl-d14  
 Concen: 92.642 ng  
 RT: 20.29 min Scan# 2890  
 Delta R.T. 0.00 min  
 Lab File: BM015252.D  
 Acq: 22 May 2018 22:26

Instrument :  
 BNA\_M  
 ClientSampleId :

Tot Ion:244 Resp: 3481618  
 Ion Ratio Lower Upper  
 244 100  
 212 7.4 4.9 7.3#  
 122 11.1 6.2 9.4#

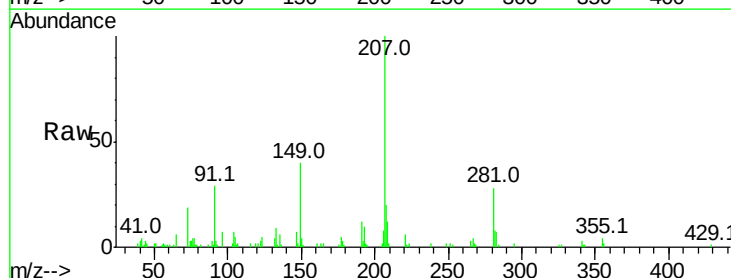


Abundance Ion 244.00 (243.70 to 244.70): E  
 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E

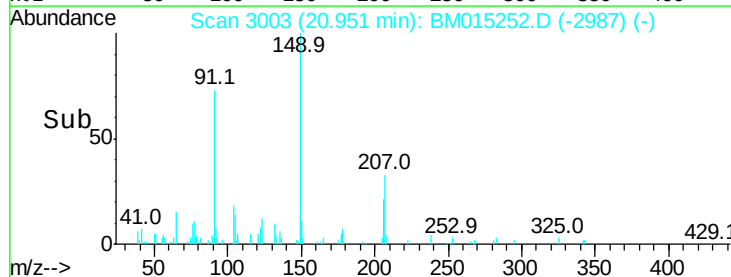
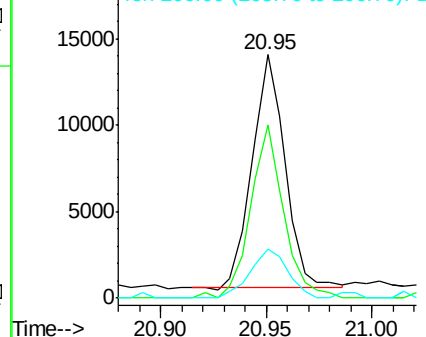


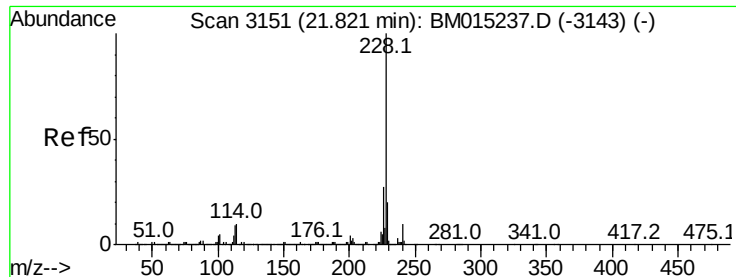
#79  
 Butylbenzylphthalate  
 Concen: 0.682 ng  
 RT: 20.95 min Scan# 3003  
 Delta R.T. -0.01 min  
 Lab File: BM015252.D  
 Acq: 22 May 2018 22:26

Tgt Ion:149 Resp: 14580  
 Ion Ratio Lower Upper  
 149 100  
 91 70.9 50.1 75.1  
 206 20.1 16.2 24.2



Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 91.00 (90.70 to 91.70): BM0  
 Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 0.929 ng

RT: 21.82 min Scan# 3150

Delta R.T. -0.01 min

Lab File: BM015252.D

Acq: 22 May 2018 22:26

Instrument :

BNA\_M

ClientSampled :

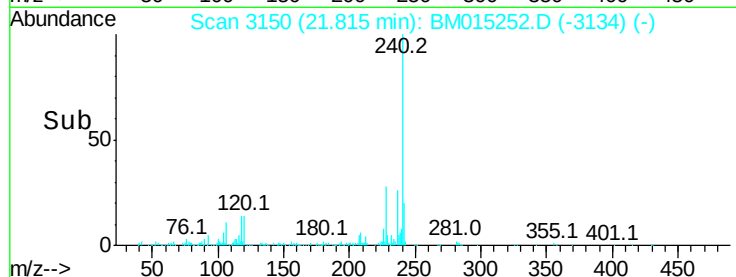
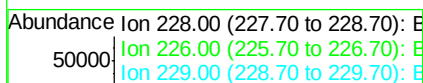
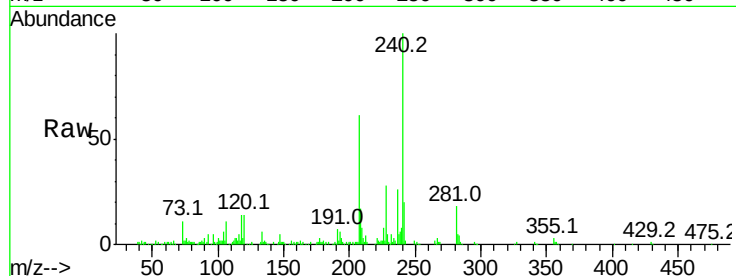
Tot Ion:228 Resp: 48559

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 28.5  | 21.7  | 32.5  |
| 229 | 18.6  | 16.0  | 24.0  |

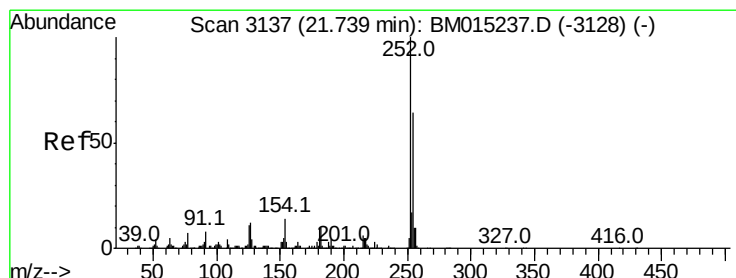
228 100

226 28.5 21.7 32.5

229 18.6 16.0 24.0



Time-->



#81

3,3'-Dichlorobenzidine

Concen: 0.764 ng

RT: 21.74 min Scan# 3137

Delta R.T. 0.00 min

Lab File: BM015252.D

Acq: 22 May 2018 22:26

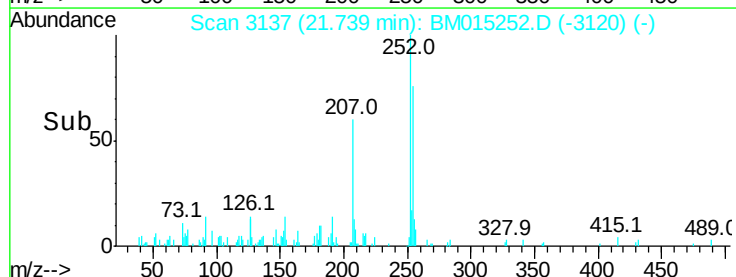
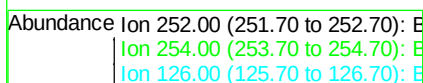
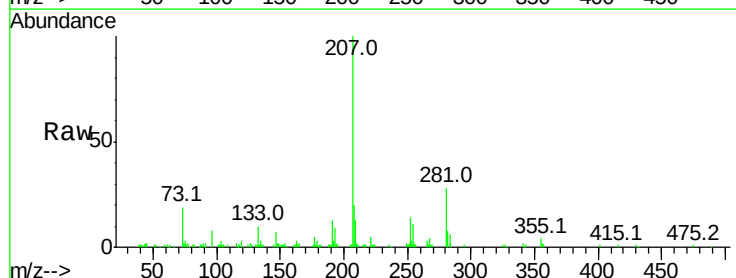
Tgt Ion:252 Resp: 14803

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 254 | 75.7  | 51.9  | 77.9  |
| 126 | 13.6  | 9.8   | 14.8  |

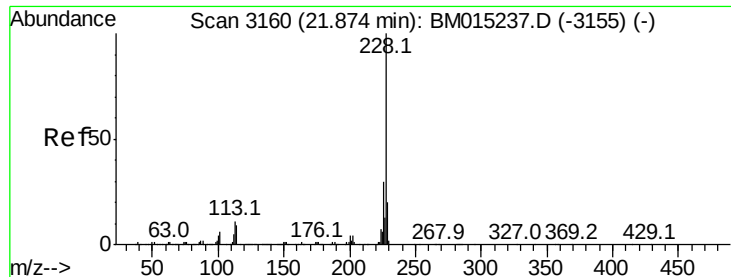
252 100

254 75.7 51.9 77.9

126 13.6 9.8 14.8



Time-->



#82

Chrysene

Concen: 1.000 ng

RT: 21.87 min Scan# 3159

Delta R.T. -0.01 min

Lab File: BM015252.D

Acq: 22 May 2018 22:26

Instrument :

BNA\_M

ClientSampleId :

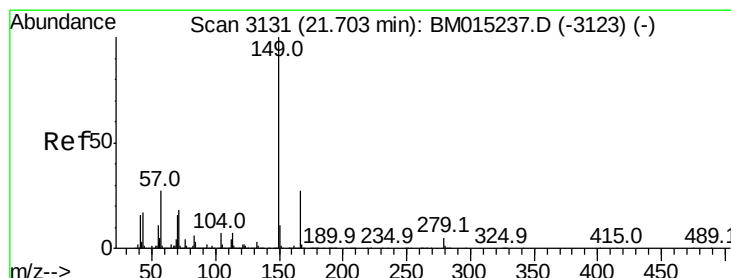
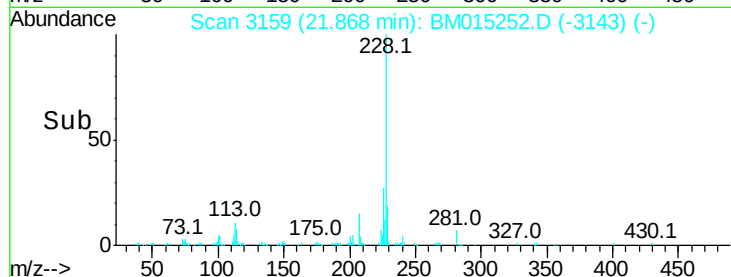
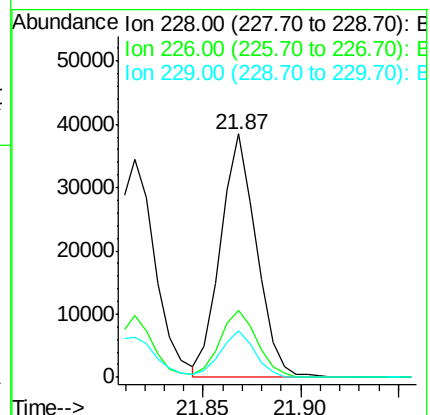
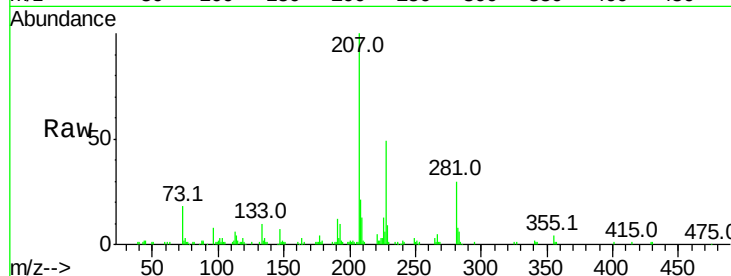
Tot Ion:228 Resp: 49254

Ion Ratio Lower Upper

228 100

226 27.3 24.1 36.1

229 19.1 15.5 23.3



#83

Bis(2-ethylhexyl)phthalate

Concen: 0.649 ng

RT: 21.70 min Scan# 3130

Delta R.T. -0.01 min

Lab File: BM015252.D

Acq: 22 May 2018 22:26

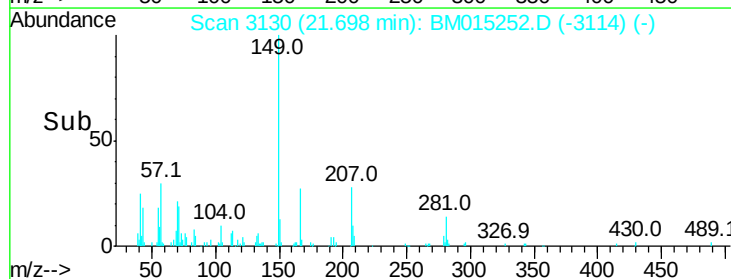
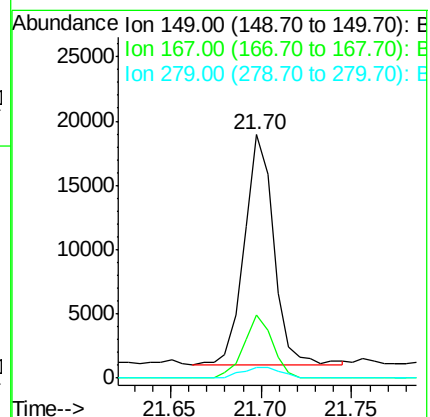
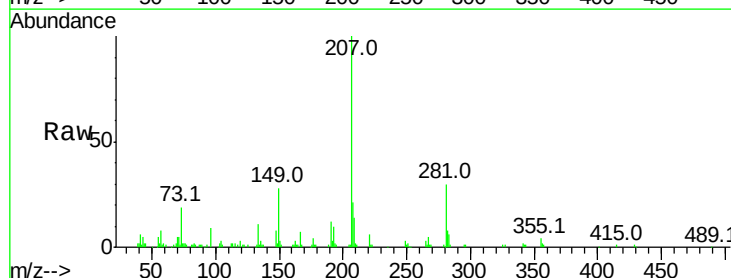
Tgt Ion:149 Resp: 20191

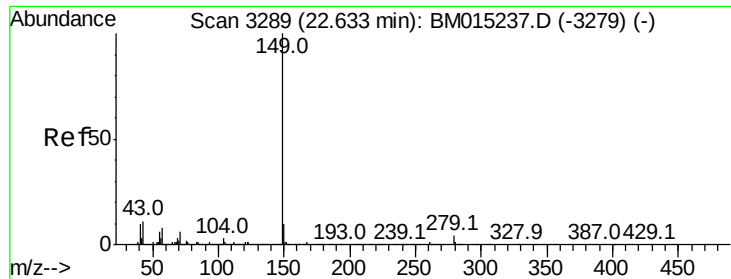
Ion Ratio Lower Upper

149 100

167 25.8 22.4 33.6

279 4.5 3.4 5.0





#84

Di-n-octyl phthalate

Concen: 0.598 ng

RT: 22.63 min Scan# 3289

Delta R.T. 0.00 min

Lab File: BM015252.D

Acq: 22 May 2018 22:26

Instrument :

BNA\_M

ClientSampleId :

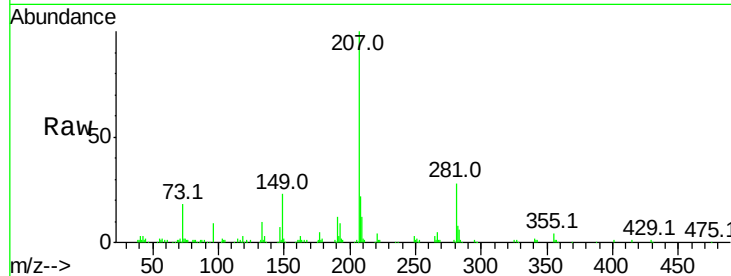
Tot Ion:149 Resp: 32540

Ion Ratio Lower Upper

149 100

167 2.3 1.2 1.8#

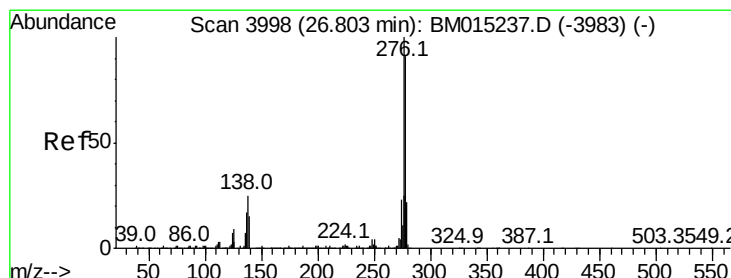
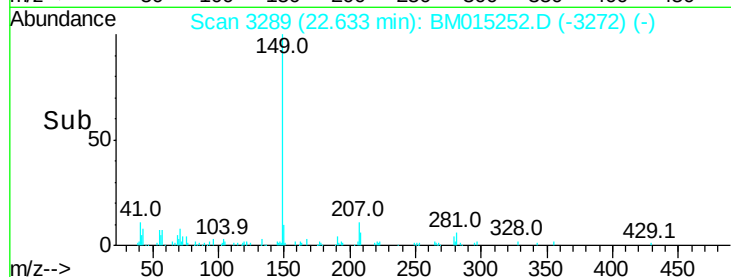
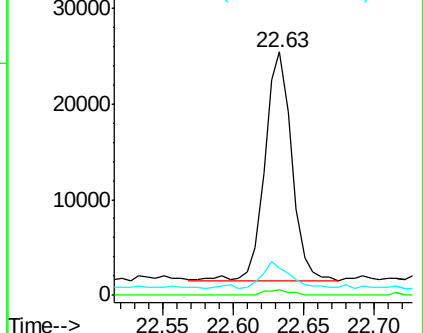
43 12.2 7.3 10.9#



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 0.865 ng

RT: 26.79 min Scan# 3996

Delta R.T. -0.01 min

Lab File: BM015252.D

Acq: 22 May 2018 22:26

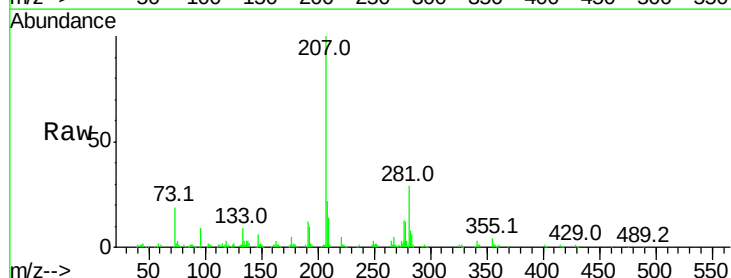
Tgt Ion:276 Resp: 51555

Ion Ratio Lower Upper

276 100

138 25.1 12.0 18.0#

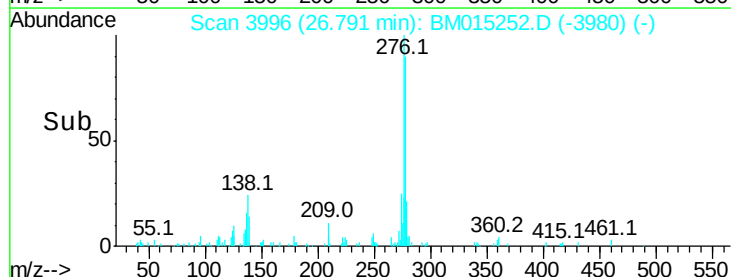
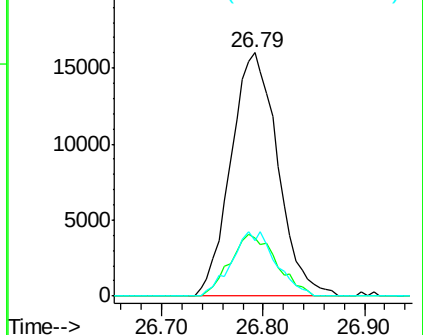
277 25.0 20.0 30.0

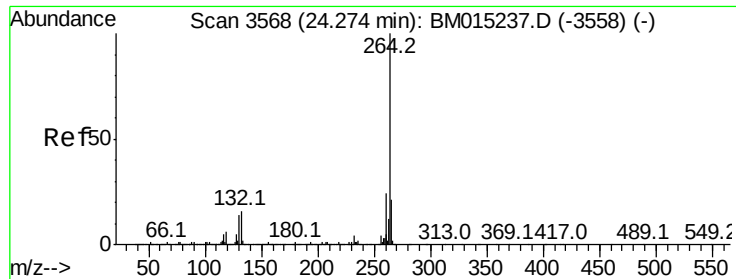


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

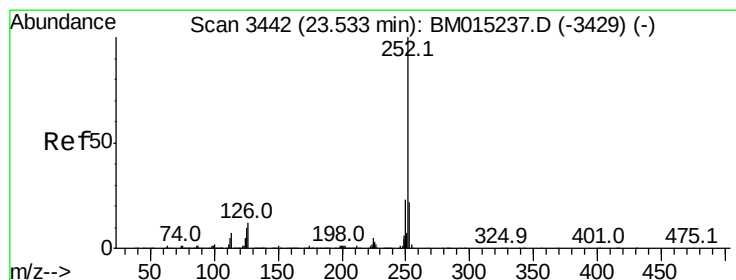
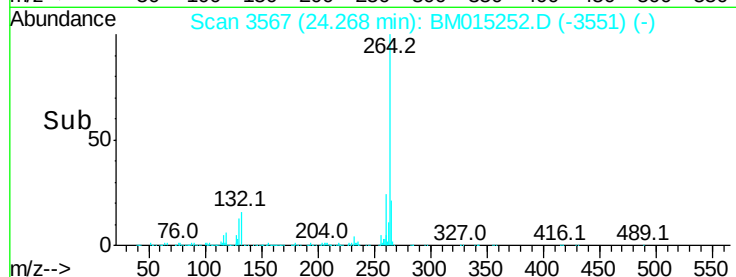
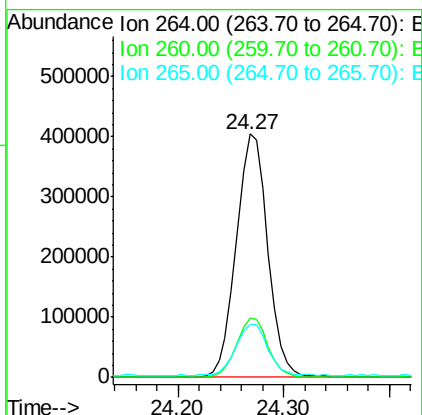
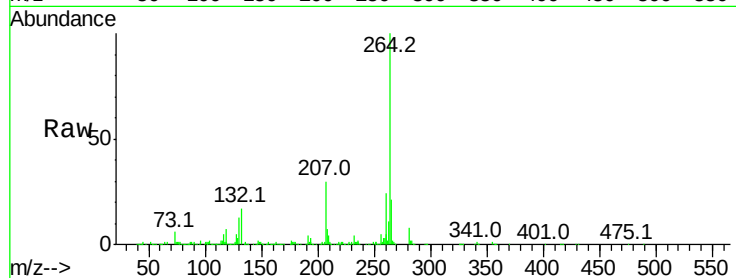




#86  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 24.27 min Scan# 3567  
 Delta R.T. -0.01 min  
 Lab File: BM015252.D  
 Acq: 22 May 2018 22:26

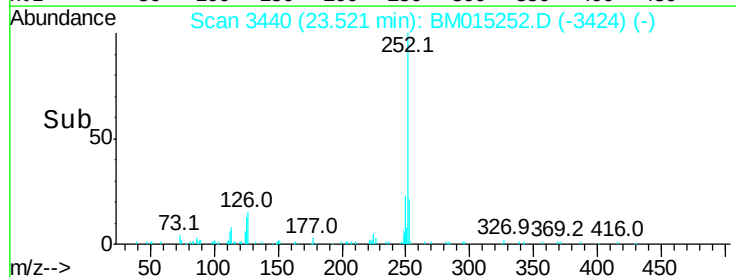
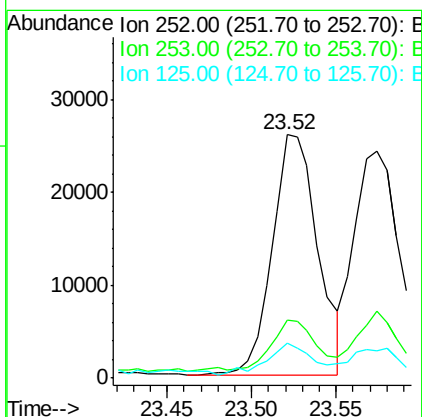
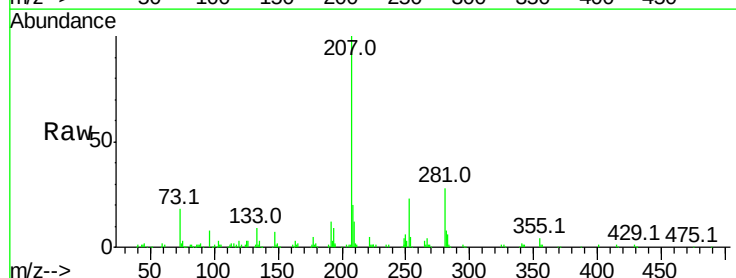
Instrument :  
 BNA\_M  
 ClientSampleId :

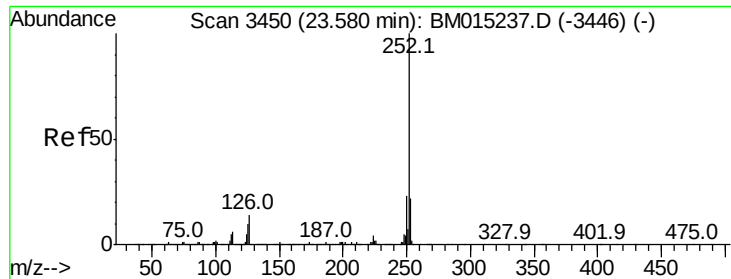
Tot Ion:264 Resp: 838037  
 Ion Ratio Lower Upper  
 264 100  
 260 24.2 18.6 27.8  
 265 21.5 17.3 25.9



#87  
 Benzo(b)fluoranthene  
 Concen: 0.914 ng  
 RT: 23.52 min Scan# 3440  
 Delta R.T. -0.01 min  
 Lab File: BM015252.D  
 Acq: 22 May 2018 22:26

Tgt Ion:252 Resp: 48471  
 Ion Ratio Lower Upper  
 252 100  
 253 24.1 18.0 27.0  
 125 14.2 9.9 14.9

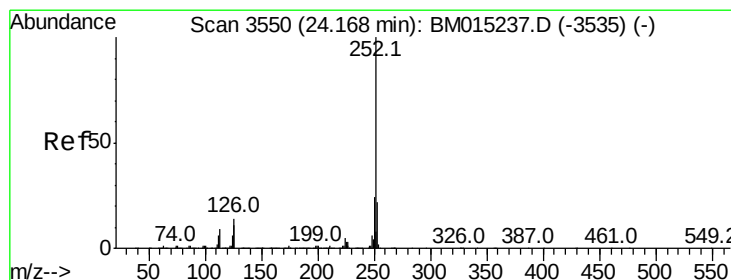
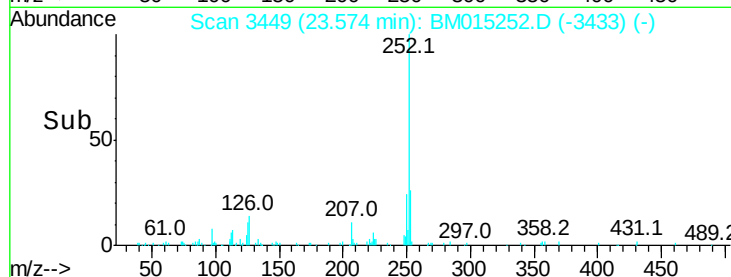
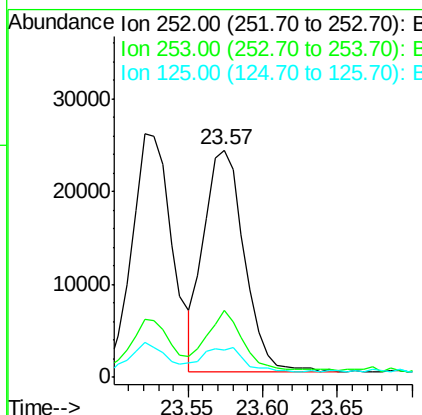
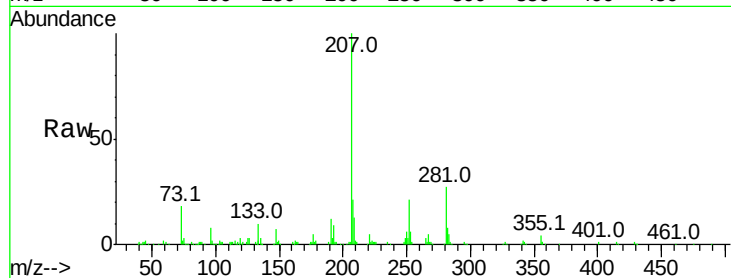




#88  
Benzo(k)fluoranthene  
Concen: 0.897 ng  
RT: 23.57 min Scan# 3449  
Delta R.T. -0.01 min  
Lab File: BM015252.D  
Acq: 22 May 2018 22:26

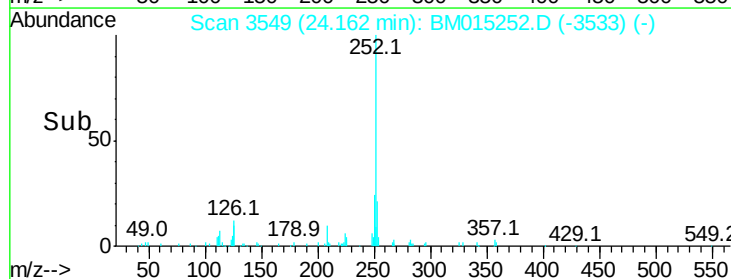
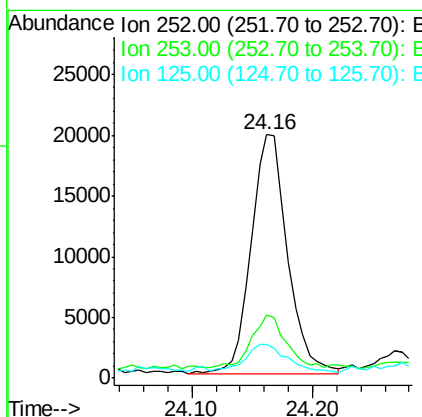
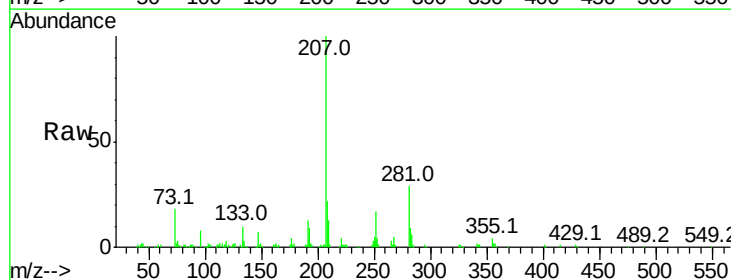
Instrument :  
BNA\_M  
ClientSampleId :

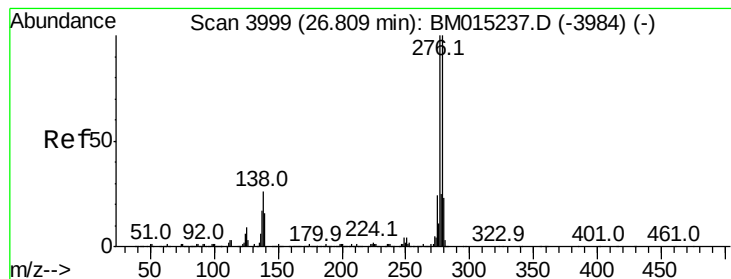
Tot Ion:252 Resp: 44972  
Ion Ratio Lower Upper  
252 100  
253 29.6 17.2 25.8#  
125 12.1 8.1 12.1#



#89  
Benzo(a)pyrene  
Concen: 0.832 ng  
RT: 24.16 min Scan# 3549  
Delta R.T. -0.01 min  
Lab File: BM015252.D  
Acq: 22 May 2018 22:26

Tgt Ion:252 Resp: 41142  
Ion Ratio Lower Upper  
252 100  
253 26.0 17.6 26.4  
125 13.7 7.4 11.2#





#90

Dibenzo(a,h)anthracene

Concen: 0.887 ng

RT: 26.79 min Scan# 3996

Delta R.T. -0.01 min

Lab File: BM015252.D

Acq: 22 May 2018 22:26

Instrument :

BNA\_M

ClientSampleId :

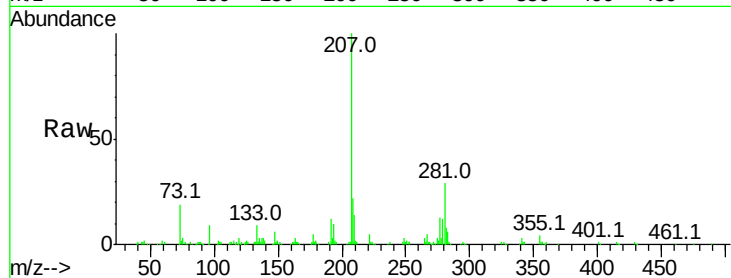
Tot Ion:278 Resp: 44752

Ion Ratio Lower Upper

278 100

139 15.1 13.4 20.0

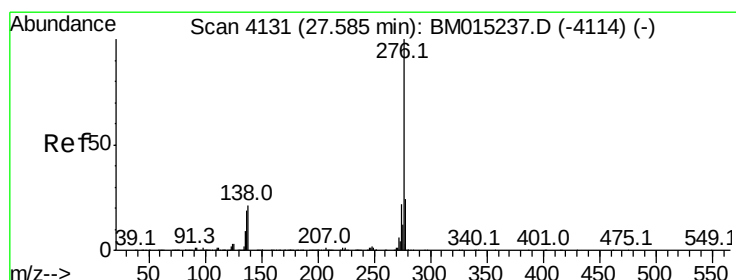
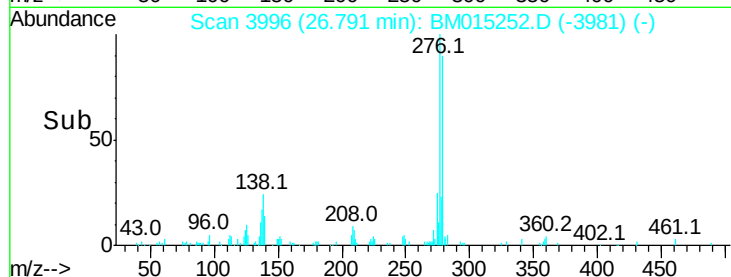
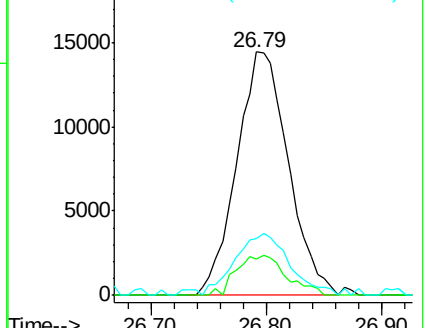
279 23.4 19.0 28.4



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



#91

Benzo(g,h,i)perylene

Concen: 0.891 ng

RT: 27.57 min Scan# 4129

Delta R.T. 0.00 min

Lab File: BM015252.D

Acq: 22 May 2018 22:26

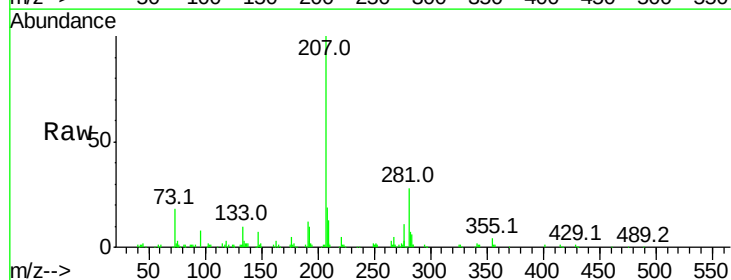
Tgt Ion:276 Resp: 43774

Ion Ratio Lower Upper

276 100

277 23.8 18.5 27.7

138 20.7 19.0 28.6



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

