

Data Path : Z:\HPCHEM1\BNA M\DATA\BM080717\  
 Data File : BM011167.D  
 Acq On : 08 Aug 2017 00:08  
 Operator : SJ/JU  
 Sample : I4592-02MSD  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 15-50-RT3460-RT4215-RT3451MSD

Quant Time: Aug 08 01:04:36 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM072617.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 26 17:29:06 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.31  | 152  | 161291   | 20.00 | ng    | -0.08    |
| 21) Naphthalene-d8        | 10.07 | 136  | 698134   | 20.00 | ng    | -0.08    |
| 38) Acenaphthene-d10      | 13.98 | 164  | 582330   | 20.00 | ng    | -0.07    |
| 63) Phenanthrene-d10      | 16.74 | 188  | 1786715  | 20.00 | ng    | -0.07    |
| 75) Chrysene-d12          | 20.97 | 240  | 2227368  | 20.00 | ng    | -0.06    |
| 86) Perylene-d12          | 23.05 | 264  | 1994956  | 20.00 | ng    | -0.09    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 4.96  | 112  | 1537626  | 161.15 | ng    | -0.07    |
| 7) Phenol-d6                | 6.52  | 99   | 2194268  | 161.86 | ng    | -0.07    |
| 23) Nitrobenzene-d5         | 8.46  | 82   | 2040331  | 109.69 | ng    | -0.08    |
| 41) 2,4,6-Tribromophenol    | 15.49 | 330  | 1736809  | 186.08 | ng    | -0.06    |
| 44) 2-Fluorobiphenyl        | 12.59 | 172  | 4562458  | 98.26  | ng    | -0.08    |
| 78) Terphenyl-d14           | 19.41 | 244  | 10244020 | 91.10  | ng    | -0.06    |

| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 2.96  | 88   | 172793   | 40.33 | ng    | # 100  |
| 3) Pyridine                    | 3.34  | 79   | 472657   | 40.39 | ng    | # 88   |
| 4) n-Nitrosodimethylamine      | 3.25  | 42   | 319742   | 53.62 | ng    | # 75   |
| 6) Aniline                     | 6.67  | 93   | 510084   | 29.85 | ng    | # 83   |
| 8) 2-Chlorophenol              | 6.89  | 128  | 480007   | 49.55 | ng    | # 75   |
| 9) Benzaldehyde                | 6.48  | 77   | 298761   | 34.06 | ng    | # 76   |
| 10) Phenol                     | 6.55  | 94   | 727959   | 49.44 | ng    | # 89   |
| 11) bis(2-Chloroethyl)ether    | 6.77  | 93   | 592537   | 51.65 | ng    | # 90   |
| 12) 1,3-Dichlorobenzene        | 7.20  | 146  | 497557   | 42.15 | ng    | # 75   |
| 13) 1,4-Dichlorobenzene        | 7.35  | 146  | 512085   | 42.32 | ng    | # 91   |
| 14) 1,2-Dichlorobenzene        | 7.66  | 146  | 510062   | 44.08 | ng    | # 87   |
| 15) Benzyl Alcohol             | 7.56  | 79   | 806472   | 62.01 | ng    | # 79   |
| 16) 2,2'-oxybis(1-Chloropropan | 7.85  | 45   | 569904   | 55.20 | ng    | # 76   |
| 17) 2-Methylphenol             | 7.77  | 107  | 528529   | 56.16 | ng    | # 72   |
| 18) Hexachloroethane           | 8.37  | 117  | 230994   | 43.77 | ng    | # 80   |
| 19) n-Nitroso-di-n-propylamine | 8.13  | 70   | 714325   | 62.01 | ng    | # 90   |
| 20) 3+4-Methylphenols          | 8.10  | 107  | 713454   | 54.54 | ng    | # 79   |
| 22) Acetophenone               | 8.13  | 105  | 1014794  | 48.49 | ng    | # 89   |
| 24) Nitrobenzene               | 8.50  | 77   | 1003069  | 52.04 | ng    | # 83   |
| 25) Isophorone                 | 9.03  | 82   | 1784704  | 57.54 | ng    | # 85   |
| 26) 2-Nitrophenol              | 9.20  | 139  | 296305   | 48.31 | ng    | # 18   |
| 27) 2,4-Dimethylphenol         | 9.28  | 122  | 537471   | 49.78 | ng    | # 65   |
| 28) bis(2-Chloroethoxy)methane | 9.52  | 93   | 893979   | 51.68 | ng    | # 98   |
| 29) 2,4-Dichlorophenol         | 9.73  | 162  | 615790   | 50.76 | ng    | # 89   |
| 30) 1,2,4-Trichlorobenzene     | 9.94  | 180  | 702890   | 46.86 | ng    | # 98   |
| 31) Naphthalene                | 10.12 | 128  | 1697582  | 48.34 | ng    | # 98   |
| 32) Benzoic acid               | 9.45  | 122  | 361271   | 41.63 | ng    | # 46   |
| 33) 4-Chloroaniline            | 10.27 | 127  | 230746   | 16.47 | ng    | # 69   |
| 34) Hexachlorobutadiene        | 10.41 | 225  | 556834   | 47.13 | ng    | # 96   |
| 35) Caprolactam                | 11.05 | 113  | 152151   | 44.22 | ng    | # 87   |
| 36) 4-Chloro-3-methylphenol    | 11.39 | 107  | 907866   | 57.95 | ng    | # 69   |
| 37) 2-Methylnaphthalene        | 11.75 | 142  | 1414017  | 54.81 | ng    | # 87   |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.13 | 216  | 1048617  | 41.91 | ng    | # 100  |
| 40) Hexachlorocyclopentadiene  | 12.11 | 237  | 322255   | 22.11 | ng    | # 99   |

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 ALS Vial : 16 Sample Multiplier: 1

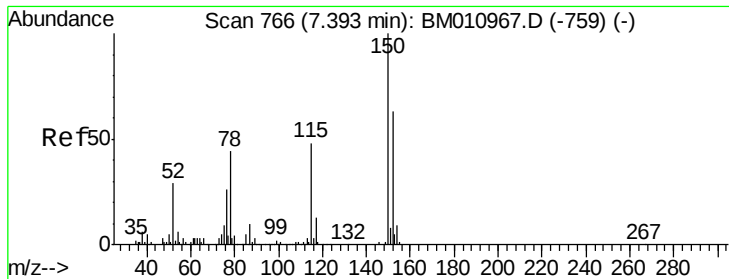
Instrument :  
 BNA\_M  
 ClientSampleId :  
 15-50-RT3460-RT4215-RT3451MSD

Quant Time: Aug 08 01:04:36 2017  
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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 12.39 | 196  | 724273   | 47.83  | nq    | 98       |
| 43) 2,4,5-Trichlorophenol      | 12.46 | 196  | 783395   | 50.23  | nq    | # 85     |
| 45) 1,1'-Biphenyl              | 12.80 | 154  | 2130035  | 42.30  | nq    | 97       |
| 46) 2-Chloronaphthalene        | 12.83 | 162  | 1691028  | 45.58  | nq    | # 94     |
| 47) 2-Nitroaniline             | 13.06 | 65   | 790992   | 60.27  | nq    | # 62     |
| 48) Acenaphthylene             | 13.69 | 152  | 2699260  | 48.75  | nq    | 98       |
| 49) Dimethylphthalate          | 13.46 | 163  | 2557790  | 51.34  | nq    | # 99     |
| 50) 2,6-Dinitrotoluene         | 13.57 | 165  | 550874   | 54.68  | nq    | # 43     |
| 51) Acenaphthene               | 14.05 | 154  | 1693439  | 49.40  | nq    | 100      |
| 52) 3-Nitroaniline             | 13.91 | 138  | 392068   | 44.85  | nq    | # 23     |
| 53) 2,4-Dinitrophenol          | 14.12 | 184  | 768893   | 107.40 | nq    | # 80     |
| 54) Dibenzofuran               | 14.39 | 168  | 3043428  | 54.79  | nq    | # 90     |
| 55) 4-Nitrophenol              | 14.24 | 139  | 656795   | 85.52  | nq    | # 85     |
| 56) 2,4-Dinitrotoluene         | 14.37 | 165  | 830813   | 58.75  | nq    | # 79     |
| 57) Fluorene                   | 15.04 | 166  | 2605338  | 53.87  | nq    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 14.62 | 232  | 878272   | 60.08  | nq    | # 100    |
| 59) Diethylphthalate           | 14.85 | 149  | 2773787  | 54.52  | nq    | 99       |
| 60) 4-Chlorophenyl-phenylether | 15.05 | 204  | 1543287  | 52.85  | nq    | 96       |
| 61) 4-Nitroaniline             | 15.08 | 138  | 351790   | 37.89  | nq    | # 1      |
| 62) Azobenzene                 | 15.34 | 77   | 3642948  | 66.91  | nq    | 86       |
| 64) 4,6-Dinitro-2-methylphenol | 15.14 | 198  | 563408   | 46.58  | nq    | 94       |
| 65) n-Nitrosodiphenylamine     | 15.27 | 169  | 2332114  | 45.61  | nq    | 98       |
| 66) 4-Bromophenyl-phenylether  | 15.94 | 248  | 1071784  | 46.66  | nq    | # 91     |
| 67) Hexachlorobenzene          | 16.04 | 284  | 1136529  | 43.79  | nq    | # 86     |
| 68) Atrazine                   | 16.24 | 200  | 1045112  | 51.00  | nq    | 97       |
| 69) Pentachlorophenol          | 16.40 | 266  | 1568091  | 95.16  | nq    | 98       |
| 70) Phenanthrene               | 16.78 | 178  | 4794534  | 51.25  | nq    | 100      |
| 71) Anthracene                 | 16.87 | 178  | 4782966  | 51.26  | nq    | 99       |
| 72) Carbazole                  | 17.16 | 167  | 3892980  | 47.71  | nq    | 98       |
| 73) Di-n-butylphthalate        | 17.74 | 149  | 5130129  | 51.63  | nq    | # 96     |
| 74) Fluoranthene               | 18.82 | 202  | 6481135  | 55.90  | nq    | 99       |
| 76) Benzidine                  | 19.03 | 184  | 1147999  | 21.54  | nq    | 98       |
| 77) Pyrene                     | 19.18 | 202  | 6716061  | 50.75  | nq    | 100      |
| 79) Butylbenzylphthalate       | 20.13 | 149  | 2480721  | 52.71  | nq    | # 67     |
| 80) Benzo(a)anthracene         | 20.95 | 228  | 6558931  | 51.57  | nq    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 20.90 | 252  | 1659861  | 33.27  | nq    | # 98     |
| 82) Chrysene                   | 21.00 | 228  | 6163684  | 50.49  | nq    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 20.92 | 149  | 3564664  | 51.49  | nq    | # 99     |
| 84) Di-n-octyl phthalate       | 21.76 | 149  | 5918196  | 52.67  | nq    | 97       |
| 85) Indeno(1,2,3-cd)pyrene     | 25.09 | 276  | 5992531  | 47.40  | nq    | # 96     |
| 87) Benzo(b)fluoranthene       | 22.44 | 252  | 6645628  | 51.90  | nq    | # 92     |
| 88) Benzo(k)fluoranthene       | 22.49 | 252  | 6188946  | 50.43  | nq    | # 95     |
| 89) Benzo(a)pyrene             | 22.96 | 252  | 5960440  | 51.45  | nq    | # 96     |
| 90) Dibenzo(a,h)anthracene     | 25.10 | 278  | 4756265  | 44.28  | nq    | # 91     |
| 91) Benzo(g,h,i)perylene       | 25.71 | 276  | 4704031  | 44.60  | nq    | # 85     |

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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.31 min Scan# 769

Delta R.T. -0.08 min

Lab File: BM011167.D

Acq: 08 Aug 2017 00:08

Instrument :

BNA\_M

ClientSampleId :

15-50-RT3460-RT4215-RT3451MSD

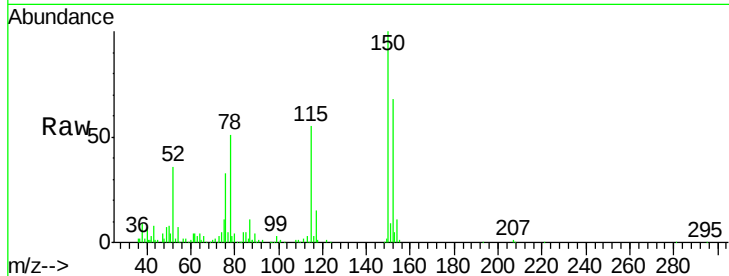
Tot Ion:152 Resp: 161291

Ion Ratio Lower Upper

152 100

150 146.0 119.5 179.3

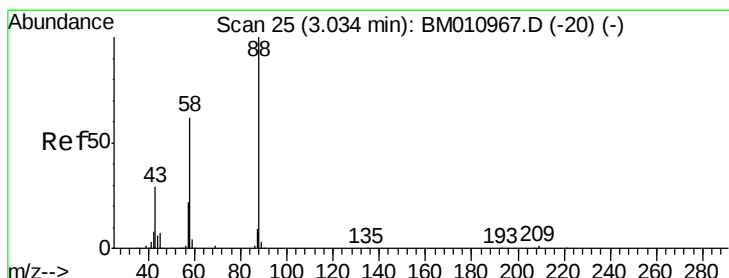
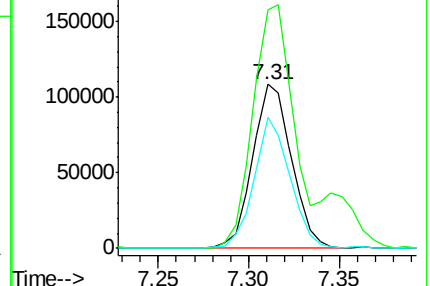
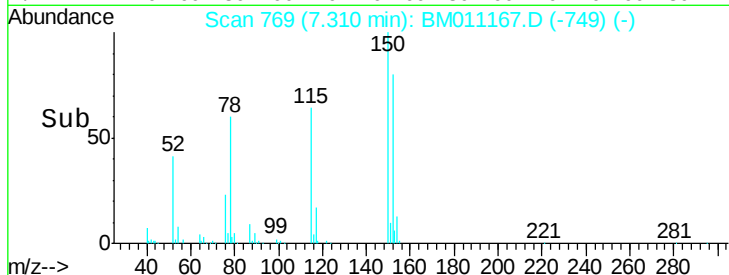
115 80.1 43.0 64.4#



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: 40.33 ng

RT: 2.96 min Scan# 29

Delta R.T. -0.08 min

Lab File: BM011167.D

Acq: 08 Aug 2017 00:08

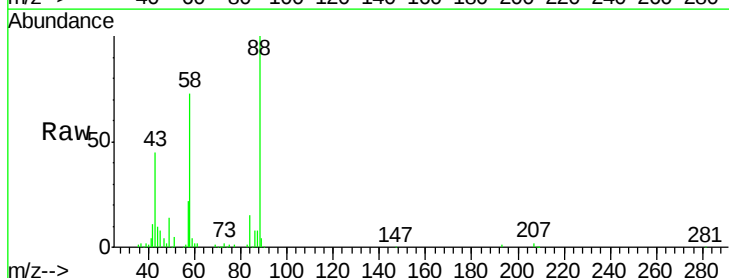
Tgt Ion: 88 Resp: 172793

Ion Ratio Lower Upper

88 100

58 65.1 0.0 0.0#

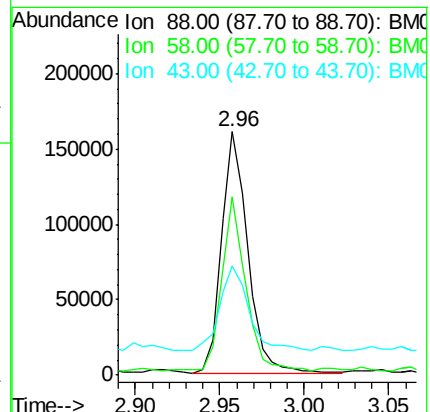
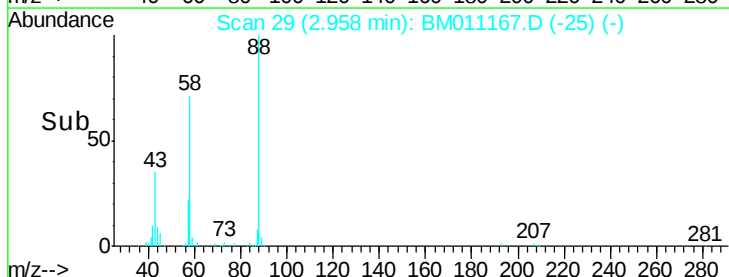
43 38.5 0.0 0.0#

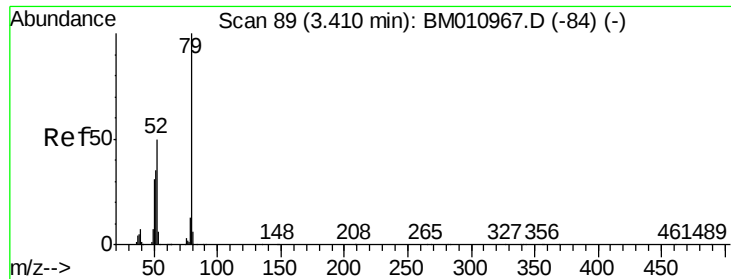


Abundance Ion 88.00 (87.70 to 88.70): BM0

Ion 58.00 (57.70 to 58.70): BM0

Ion 43.00 (42.70 to 43.70): BM0





#3

Pvridine

Concen: 40.39 ng

RT: 3.34 min Scan# 94

Delta R.T. -0.07 min

Lab File: BM011167.D

Acq: 08 Aug 2017 00:08

Instrument :

BNA\_M

ClientSampleId :

15-50-RT3460-RT4215-RT3451MSD

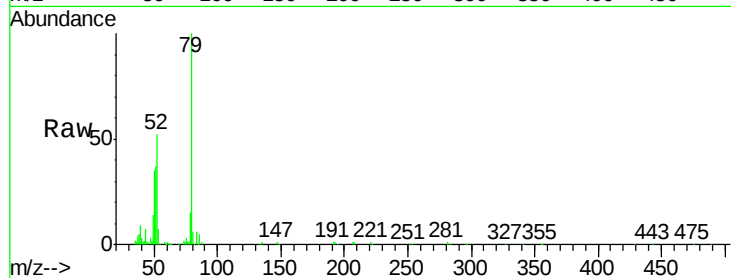
Tot Ion: 79 Resp: 472657

Ion Ratio Lower Upper

79 100

52 52.3 51.1 76.7

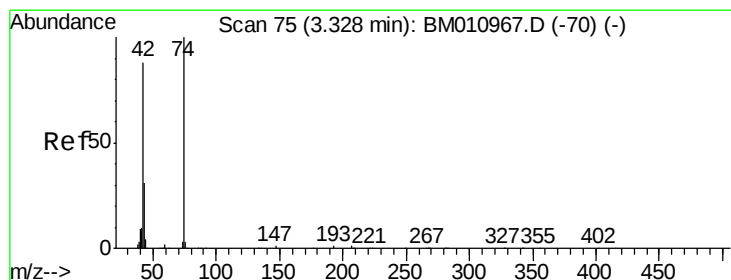
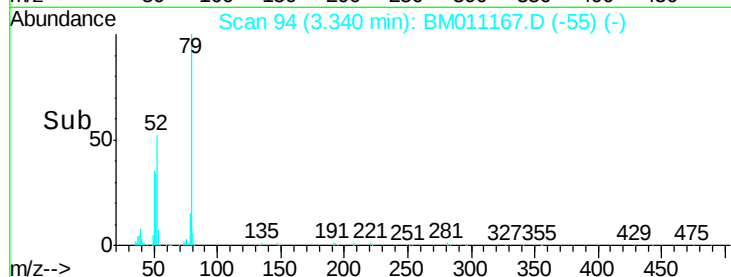
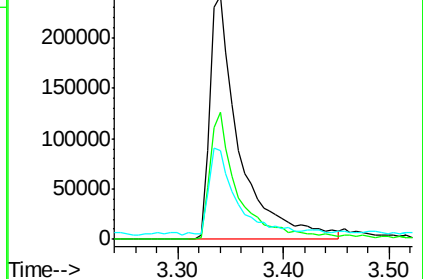
51 36.7 26.1 39.1



Abundance Ion 79.00 (78.70 to 79.70): BM011167.D (-55) (-)

Ion 52.00 (51.70 to 52.70): BM011167.D (-55) (-)

Ion 51.00 (50.70 to 51.70): BM011167.D (-55) (-)



#4

n-Nitrosodimethylamine

Concen: 53.62 ng

RT: 3.25 min Scan# 78

Delta R.T. -0.08 min

Lab File: BM011167.D

Acq: 08 Aug 2017 00:08

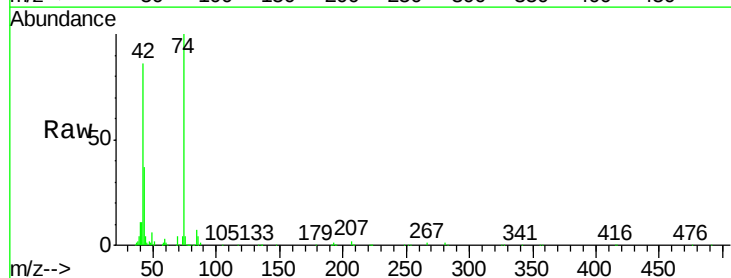
Tgt Ion: 42 Resp: 319742

Ion Ratio Lower Upper

42 100

74 115.9 119.3 178.9#

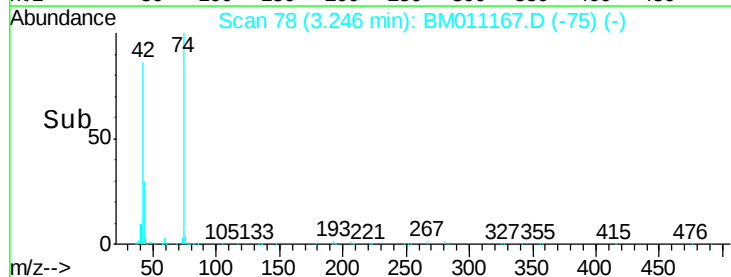
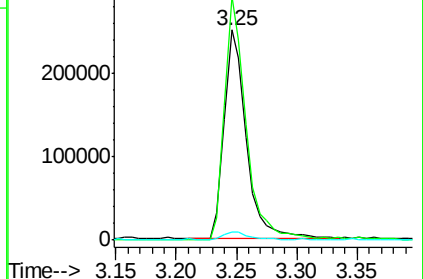
44 4.1 5.4 8.2#

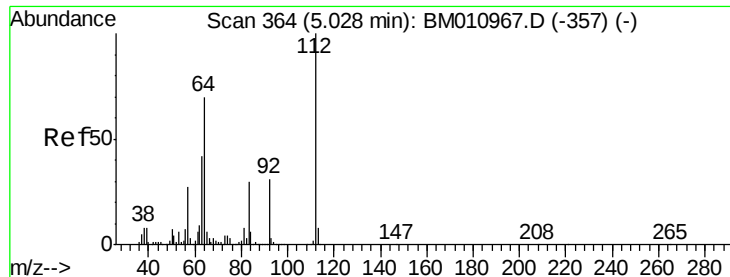


Abundance Ion 42.00 (41.70 to 42.70): BM011167.D (-75) (-)

Ion 74.00 (73.70 to 74.70): BM011167.D (-75) (-)

Ion 44.00 (43.70 to 44.70): BM011167.D (-75) (-)





#5

2-Fluorophenol

Concen: 161.15 ng

RT: 4.96 min Scan# 369

Delta R.T. -0.07 min

Lab File: BM011167.D

Acq: 08 Aug 2017 00:08

Instrument :

BNA\_M

ClientSampleId :

15-50-RT3460-RT4215-RT3451MSD

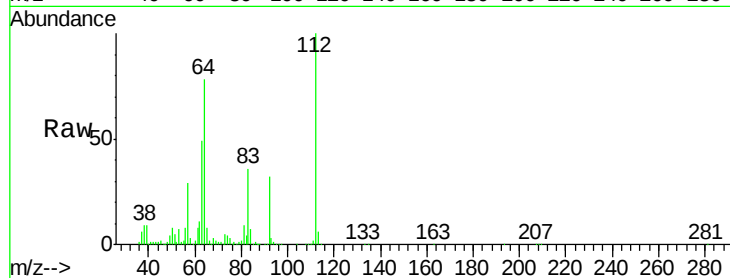
Tot Ion:112 Resp: 1537626

Ion Ratio Lower Upper

112 100

64 77.6 38.6 57.8#

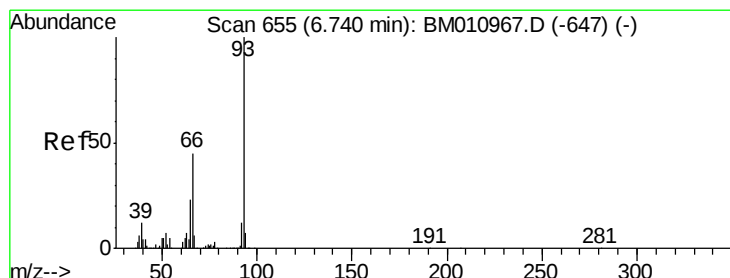
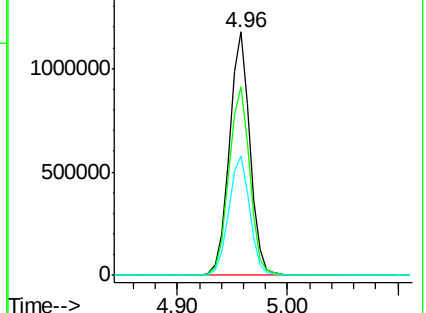
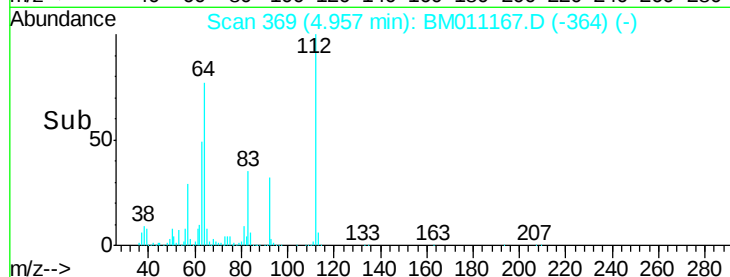
63 49.1 19.3 28.9#



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): B

Ion 63.00 (62.70 to 63.70): B



#6

Aniline

Concen: 29.85 ng

RT: 6.67 min Scan# 660

Delta R.T. -0.07 min

Lab File: BM011167.D

Acq: 08 Aug 2017 00:08

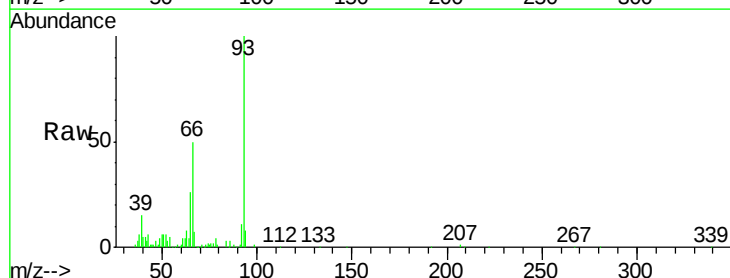
Tgt Ion: 93 Resp: 510084

Ion Ratio Lower Upper

93 100

66 49.8 30.8 46.2#

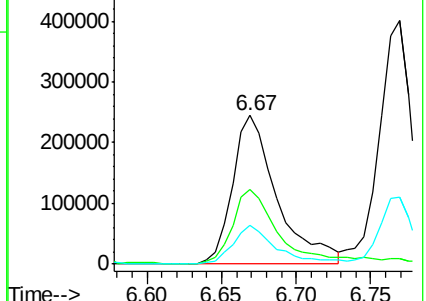
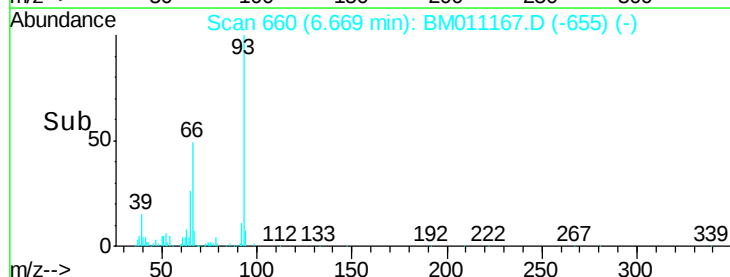
65 25.7 16.0 24.0#

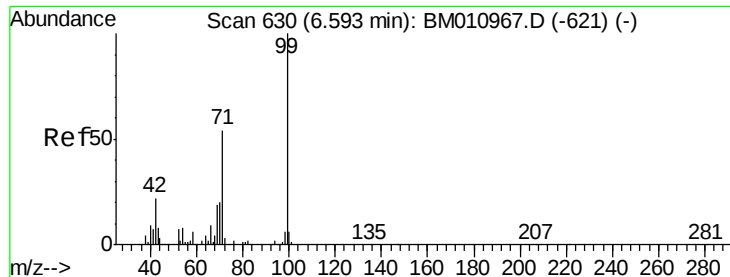


Abundance Ion 93.00 (92.70 to 93.70): B

Ion 66.00 (65.70 to 66.70): B

Ion 65.00 (64.70 to 65.70): B





#7

Phenol-d6

Concen: 161.86 ng

RT: 6.52 min Scan# 635

Delta R.T. -0.07 min

Lab File: BM011167.D

Acq: 08 Aug 2017 00:08

Instrument :

BNA\_M

ClientSampleId :

15-50-RT3460-RT4215-RT3451MSD

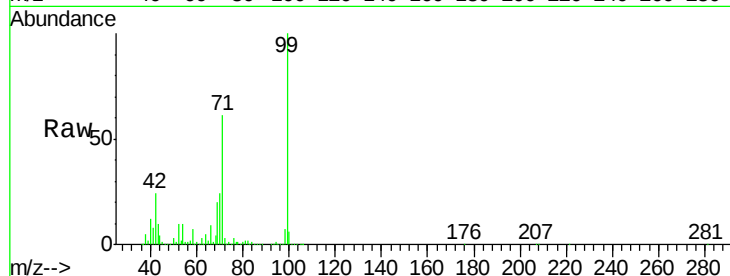
Tot Ion: 99 Resp: 2194268

Ion Ratio Lower Upper

99 100

42 23.7 11.0 16.4#

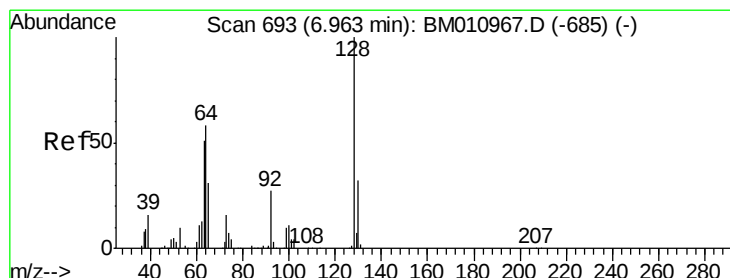
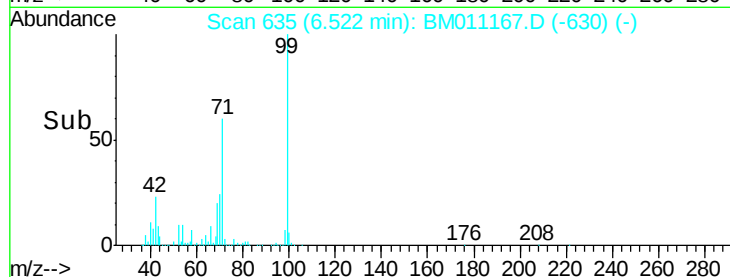
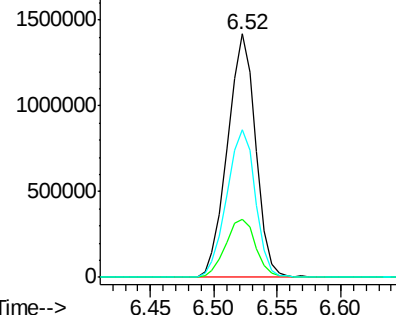
71 60.6 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM011167.D (-630) (-)

Ion 42.00 (41.70 to 42.70): BM011167.D (-630) (-)

Ion 71.00 (70.70 to 71.70): BM011167.D (-630) (-)



#8

2-Chlorophenol

Concen: 49.55 ng

RT: 6.89 min Scan# 697

Delta R.T. -0.08 min

Lab File: BM011167.D

Acq: 08 Aug 2017 00:08

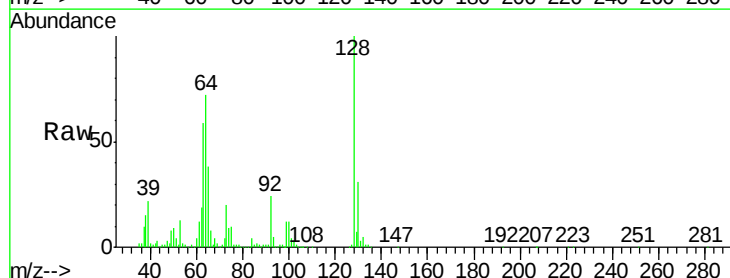
Tgt Ion: 128 Resp: 480007

Ion Ratio Lower Upper

128 100

130 31.3 12.0 52.0

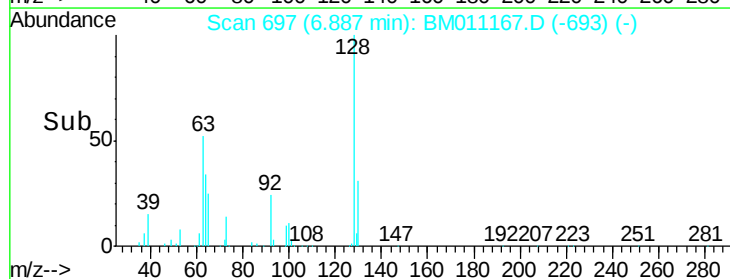
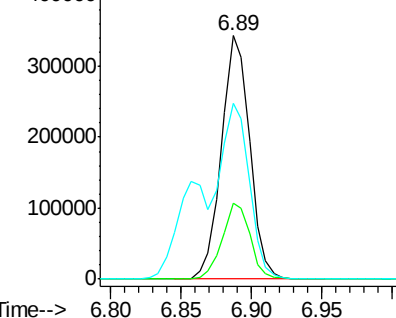
64 72.1 24.9 64.9#

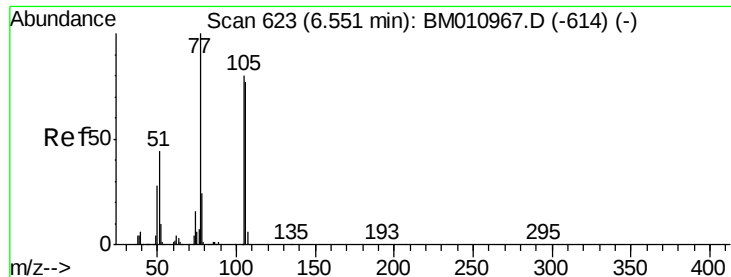


Abundance Ion 128.00 (127.70 to 128.70): BM011167.D (-693) (-)

Ion 130.00 (129.70 to 130.70): BM011167.D (-693) (-)

Ion 64.00 (63.70 to 64.70): BM011167.D (-693) (-)





#9

Benzaldehyde

Concen: 34.06 ng

RT: 6.48 min Scan# 627

Delta R.T. -0.08 min

Lab File: BM011167.D

Acq: 08 Aug 2017 00:08

Instrument :

BNA\_M

ClientSampleId :

15-50-RT3460-RT4215-RT3451MSD

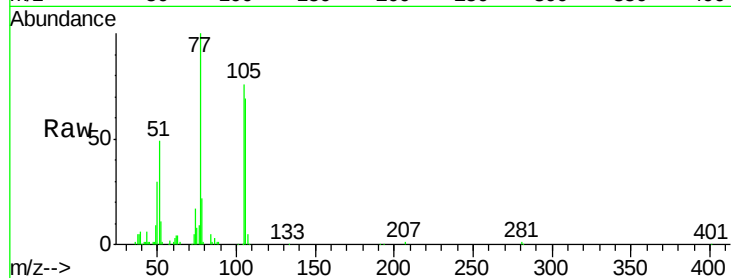
Tot Ion: 77 Resp: 298761

Ion Ratio Lower Upper

77 100

105 75.8 78.8 118.8#

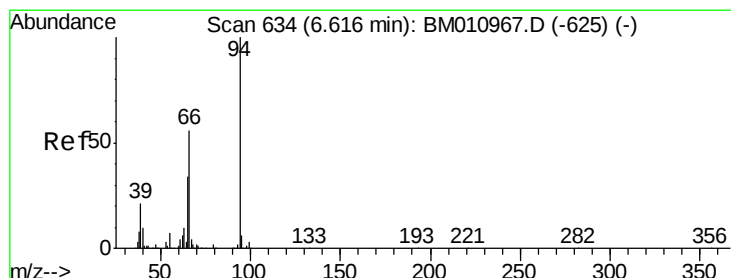
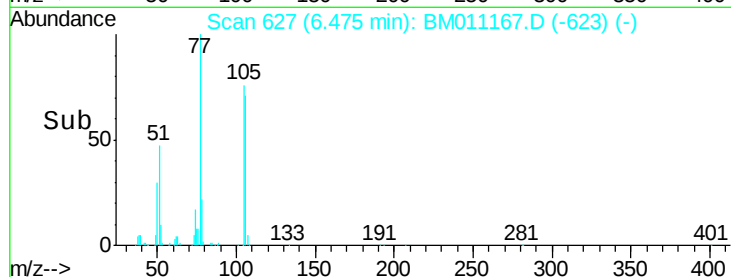
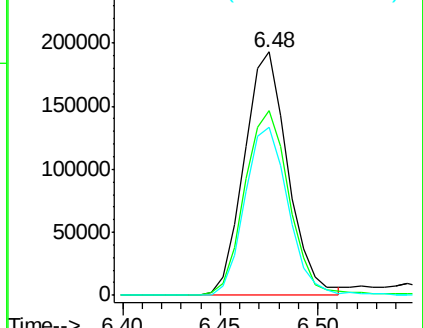
106 69.3 73.7 113.7#



Abundance Ion 77.00 (76.70 to 77.70): BM011167.D (-623) (-)

Ion 105.00 (104.70 to 105.70): BM011167.D (-623) (-)

Ion 106.00 (105.70 to 106.70): BM011167.D (-623) (-)



#10

Phenol

Concen: 49.44 ng

RT: 6.55 min Scan# 639

Delta R.T. -0.07 min

Lab File: BM011167.D

Acq: 08 Aug 2017 00:08

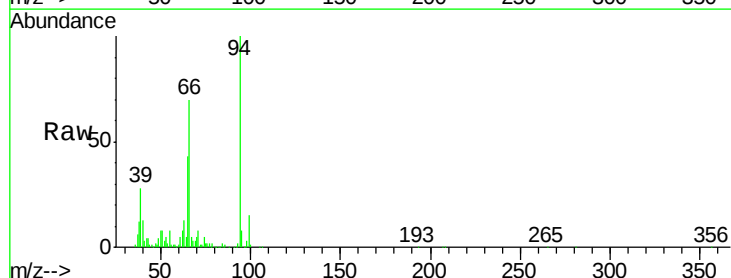
Tgt Ion: 94 Resp: 727959

Ion Ratio Lower Upper

94 100

65 42.9 18.8 58.8

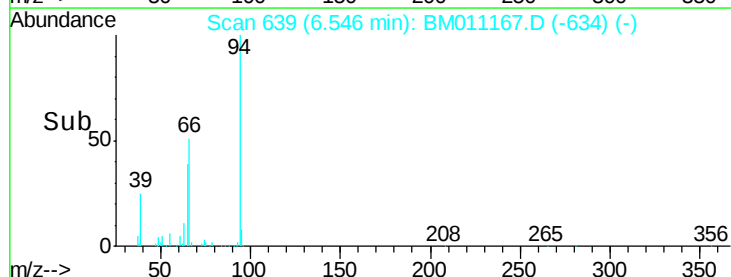
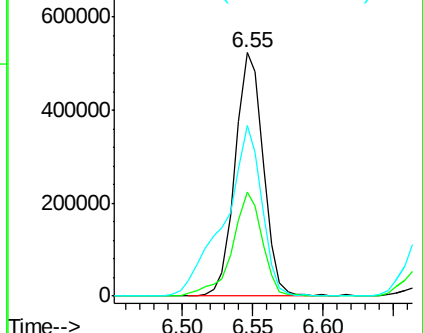
66 70.3 39.9 79.9

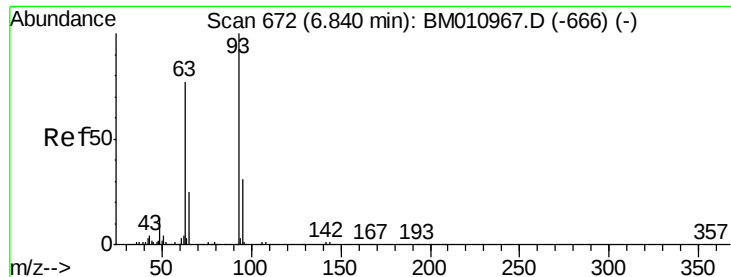


Abundance Ion 94.00 (93.70 to 94.70): BM011167.D (-634) (-)

Ion 65.00 (64.70 to 65.70): BM011167.D (-634) (-)

Ion 66.00 (65.70 to 66.70): BM011167.D (-634) (-)

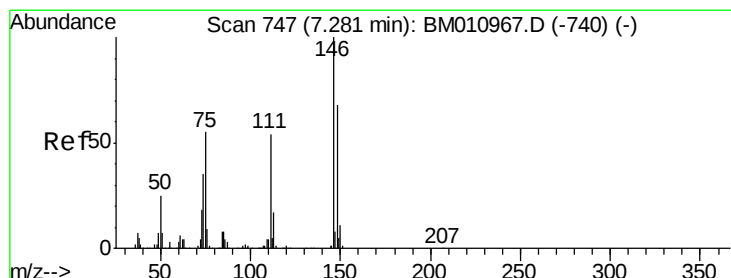
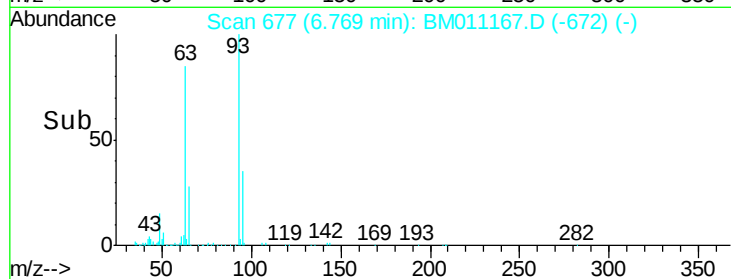
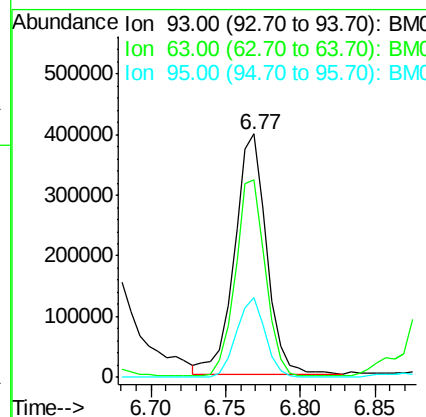
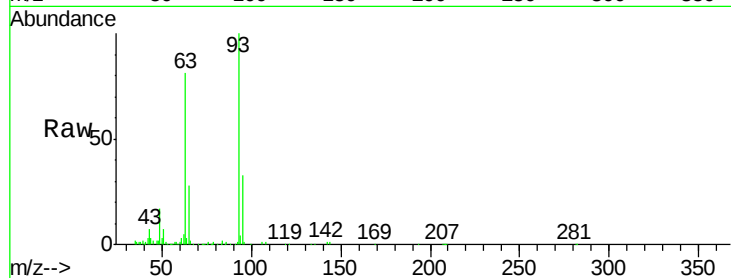




#11  
bis(2-Chloroethyl)ether  
Concen: 51.65 ng  
RT: 6.77 min Scan# 677  
Delta R.T. -0.07 min  
Lab File: BM011167.D  
Acq: 08 Aug 2017 00:08

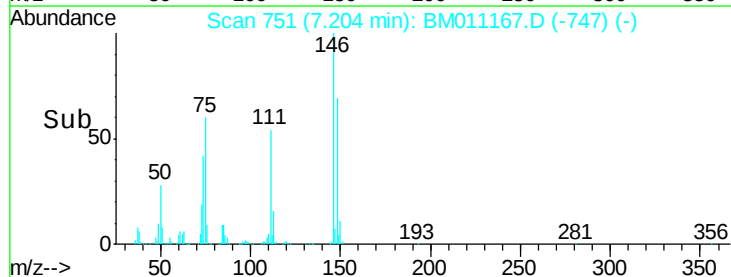
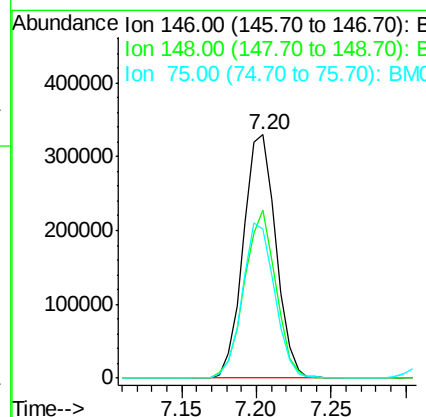
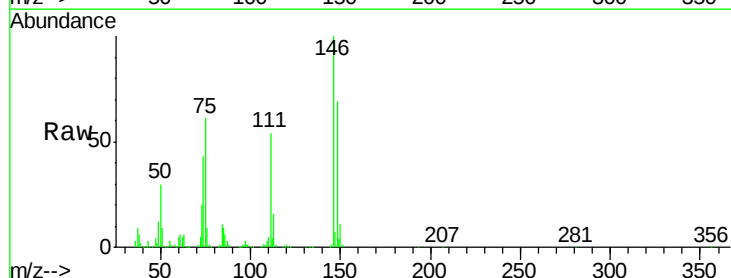
Instrument :  
BNA\_M  
ClientSampleId :  
15-50-RT3460-RT4215-RT3451MSD

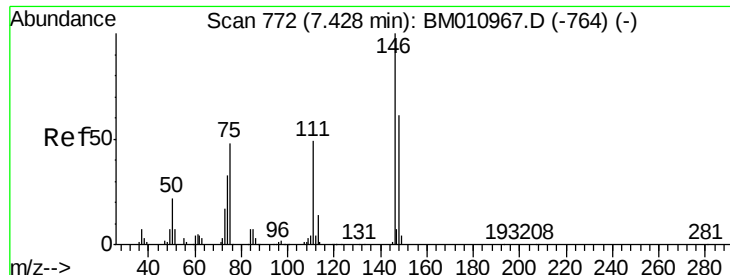
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 63      | 81.0  | 49.5  | 89.5  |
| 95      | 32.7  | 13.5  | 53.5  |



#12  
1,3-Dichlorobenzene  
Concen: 42.15 ng  
RT: 7.20 min Scan# 751  
Delta R.T. -0.08 min  
Lab File: BM011167.D  
Acq: 08 Aug 2017 00:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 69.3  | 50.9  | 76.3  |
| 75      | 61.4  | 21.4  | 32.2  |

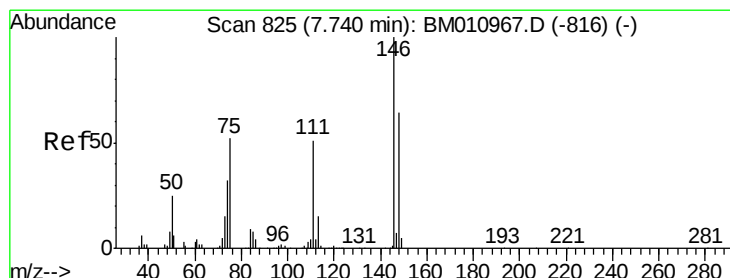
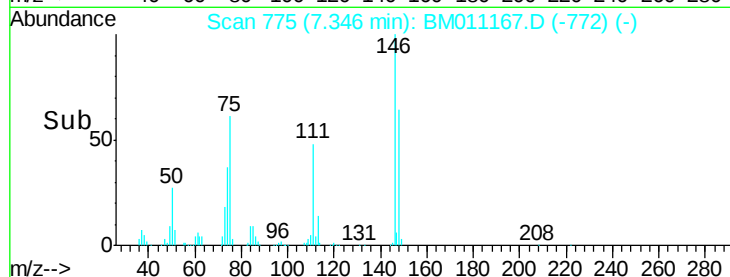
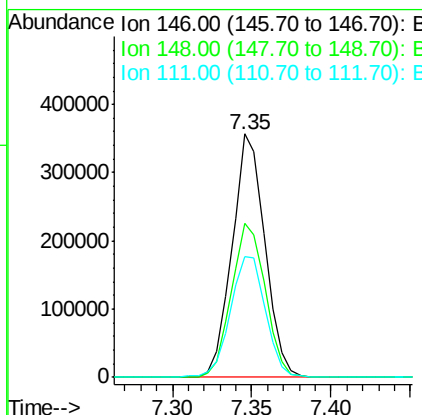
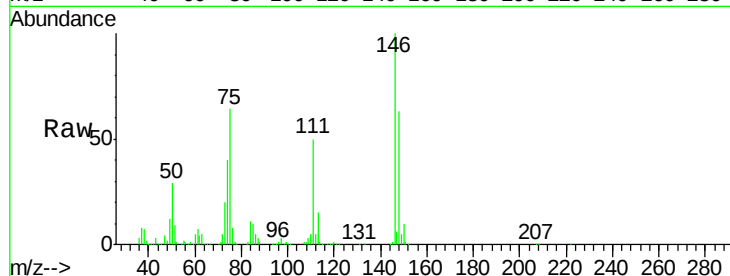




#13  
 1,4-Dichlorobenzene  
 Concen: 42.32 ng  
 RT: 7.35 min Scan# 775  
 Delta R.T. -0.08 min  
 Lab File: BM011167.D  
 Acq: 08 Aug 2017 00:08

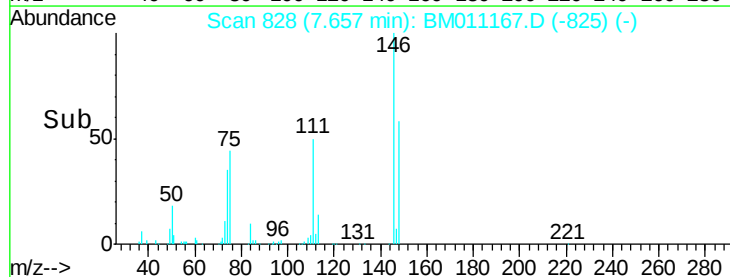
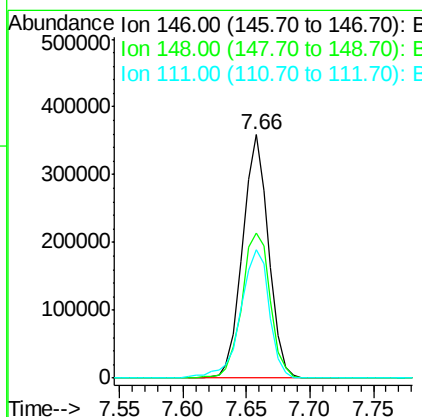
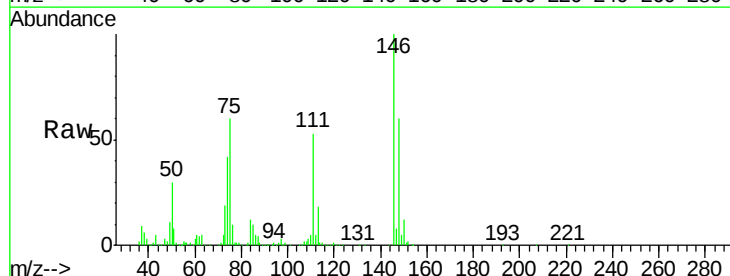
Instrument :  
 BNA\_M  
 ClientSampleId :  
 15-50-RT3460-RT4215-RT3451MSD

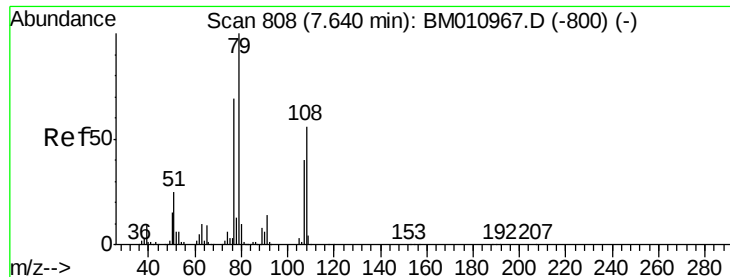
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 63.2  | 51.9  | 77.9  |
| 111     | 49.8  | 29.2  | 43.8  |



#14  
 1,2-Dichlorobenzene  
 Concen: 44.08 ng  
 RT: 7.66 min Scan# 828  
 Delta R.T. -0.08 min  
 Lab File: BM011167.D  
 Acq: 08 Aug 2017 00:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 59.7  | 52.3  | 78.5  |
| 111     | 52.6  | 30.6  | 45.8  |





#15

Benzyl Alcohol

Concen: 62.01 ng

RT: 7.56 min Scan# 812

Delta R.T. -0.08 min

Lab File: BM011167.D

Acq: 08 Aug 2017 00:08

Instrument :

BNA\_M

ClientSampleId :

15-50-RT3460-RT4215-RT3451MSD

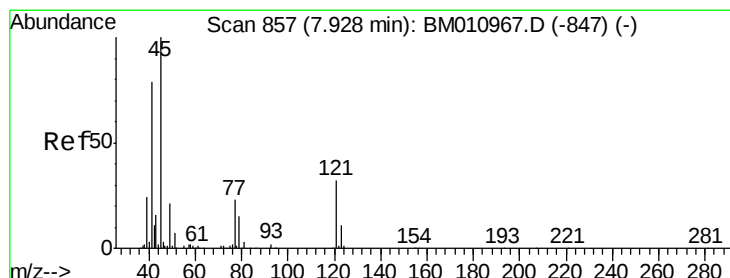
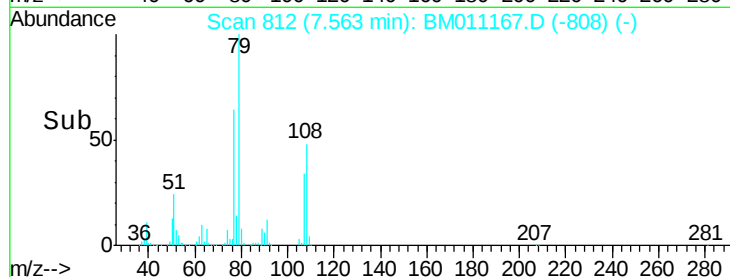
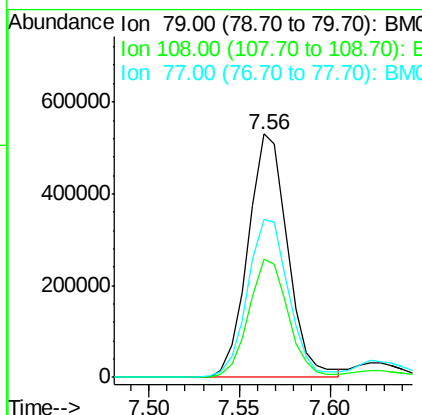
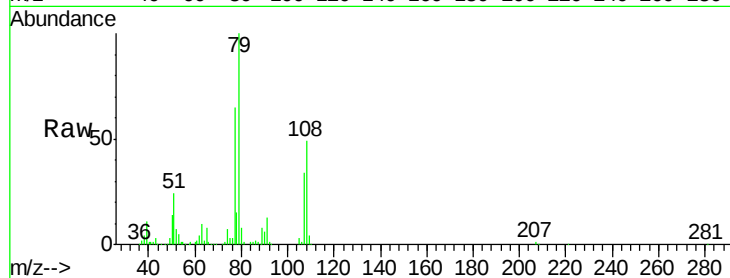
Tot Ion: 79 Resp: 806472

Ion Ratio Lower Upper

79 100

108 48.5 65.0 97.4#

77 64.8 53.0 79.6



#16

2,2'-oxybis(1-chloropropane)

Concen: 55.20 ng

RT: 7.85 min Scan# 861

Delta R.T. -0.08 min

Lab File: BM011167.D

Acq: 08 Aug 2017 00:08

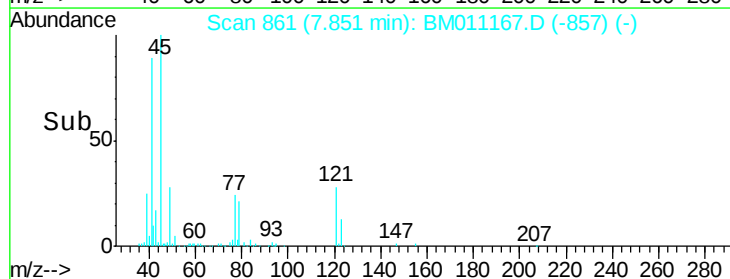
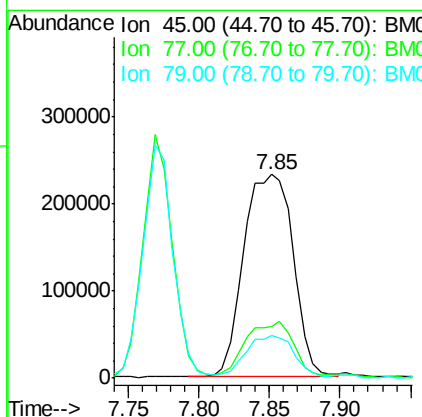
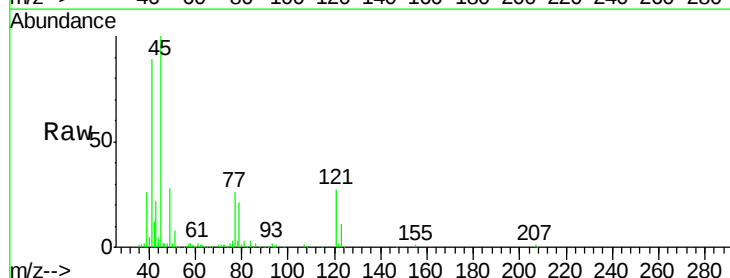
Tgt Ion: 45 Resp: 569904

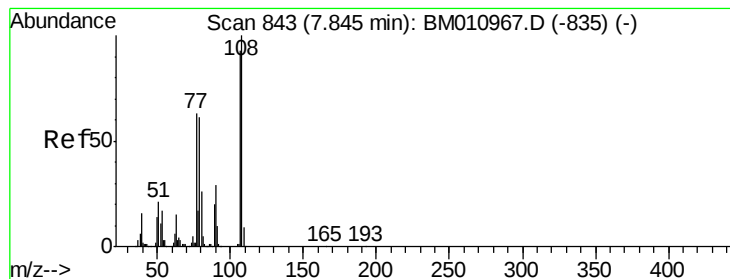
Ion Ratio Lower Upper

45 100

77 25.6 0.0 35.2

79 20.8 0.0 32.0

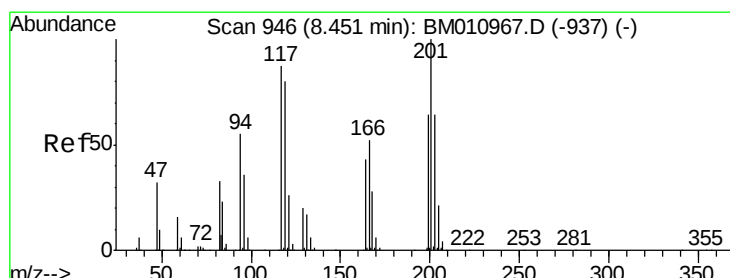
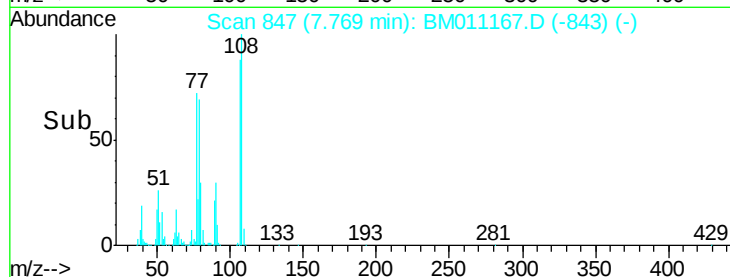
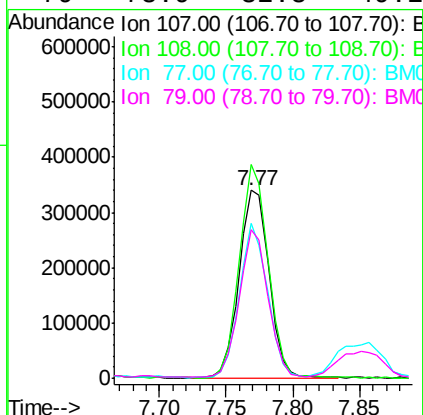
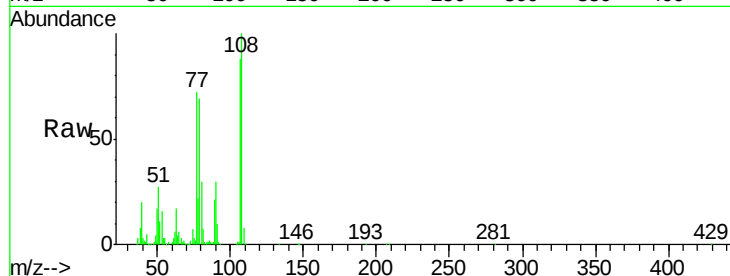




#17  
2-Methylphenol  
Concen: 56.16 ng  
RT: 7.77 min Scan# 847  
Delta R.T. -0.08 min  
Lab File: BM011167.D  
Acq: 08 Aug 2017 00:08

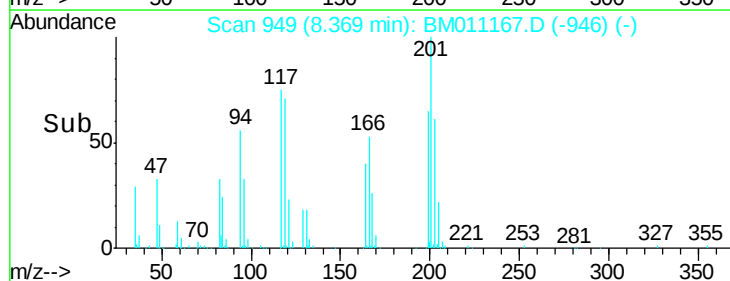
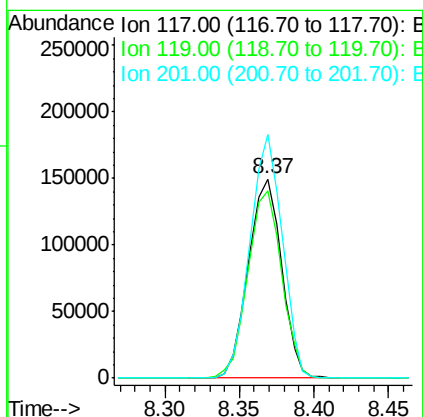
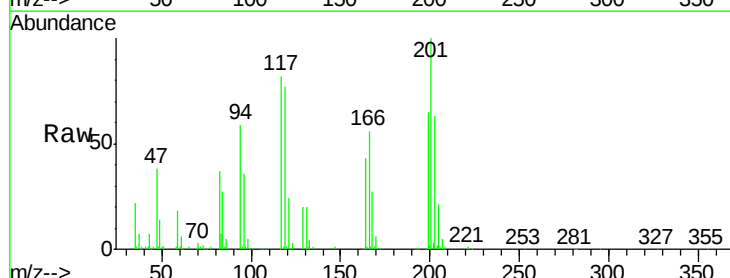
Instrument :  
BNA\_M  
ClientSampleId :  
15-50-RT3460-RT4215-RT3451MSD

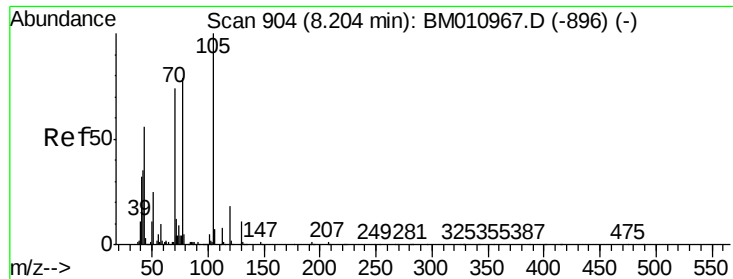
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 113.7 | 89.8  | 134.8 |
| 77      | 82.2  | 32.6  | 48.8# |
| 79      | 78.9  | 32.8  | 49.2# |



#18  
Hexachloroethane  
Concen: 43.77 ng  
RT: 8.37 min Scan# 949  
Delta R.T. -0.08 min  
Lab File: BM011167.D  
Acq: 08 Aug 2017 00:08

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 117     | 100   |       |        |
| 119     | 94.1  | 79.2  | 118.8  |
| 201     | 122.2 | 69.8  | 104.6# |

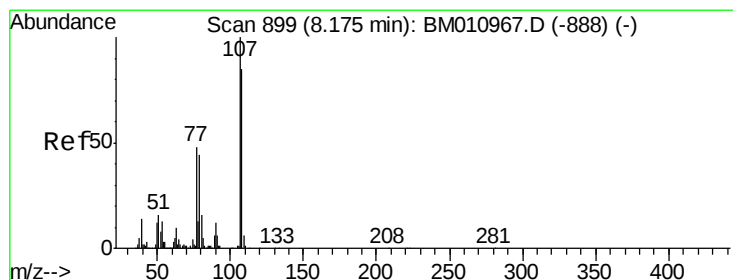
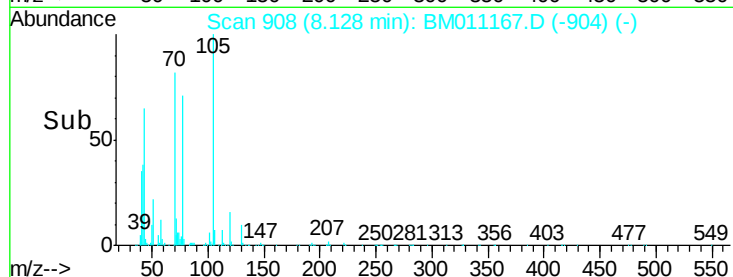
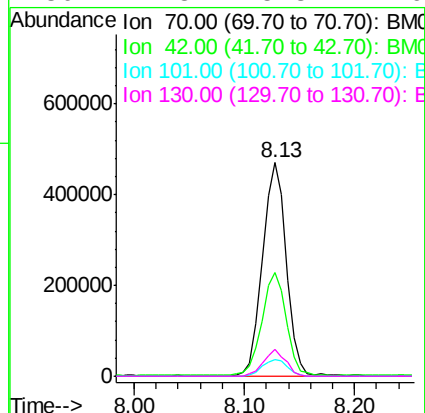
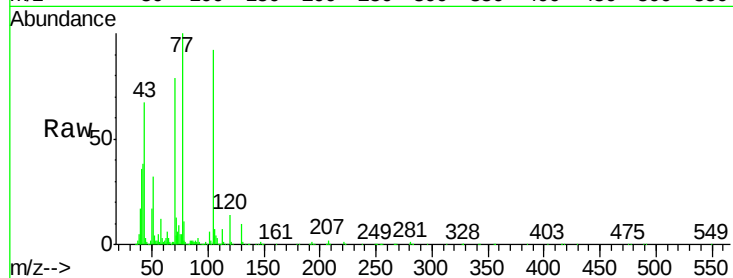




#19  
n-Nitroso-di-n-propylamine  
Concen: 62.01 ng  
RT: 8.13 min Scan# 908  
Delta R.T. -0.08 min  
Lab File: BM011167.D  
Acq: 08 Aug 2017 00:08

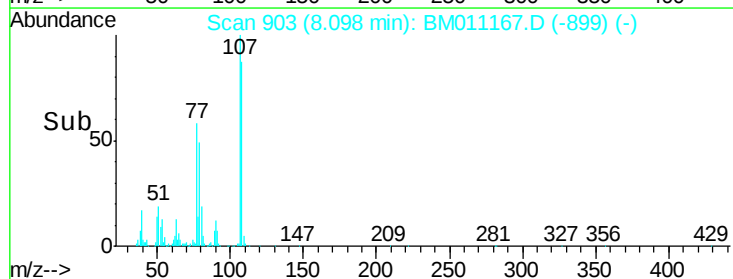
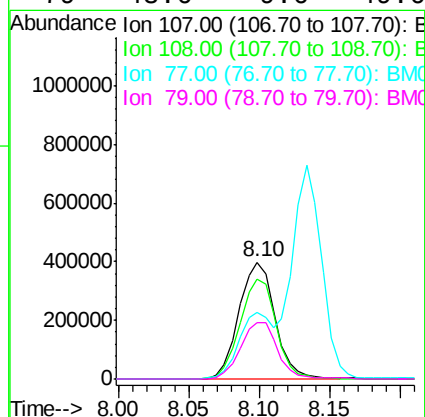
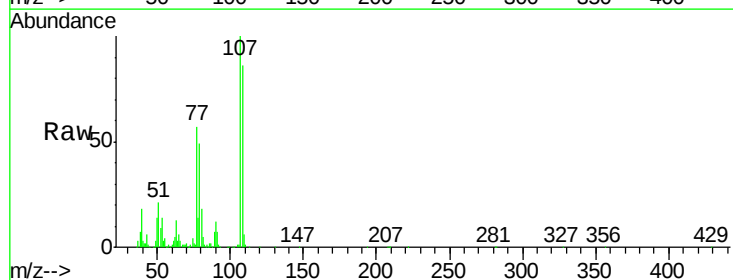
Instrument :  
BNA\_M  
ClientSampleId :  
15-50-RT3460-RT4215-RT3451MSD

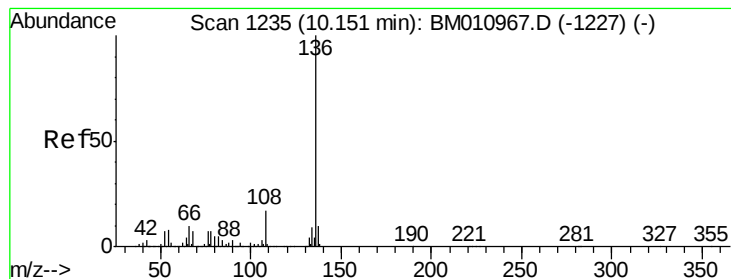
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 70    | Resp: | 714325 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 48.3  | 44.5  | 66.7   |
| 101      | 7.6   | 7.4   | 11.2   |
| 130      | 12.8  | 15.3  | 22.9#  |



#20  
3+4-Methylphenols  
Concen: 54.54 ng  
RT: 8.10 min Scan# 903  
Delta R.T. -0.08 min  
Lab File: BM011167.D  
Acq: 08 Aug 2017 00:08

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 713454 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 85.9  | 73.2  | 113.2  |
| 77       | 57.2  | 10.7  | 50.7#  |
| 79       | 48.6  | 9.6   | 49.6   |





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.07 min Scan# 1238

Delta R.T. -0.08 min

Lab File: BM011167.D

Acq: 08 Aug 2017 00:08

Instrument :

BNA\_M

ClientSampleId :

15-50-RT3460-RT4215-RT3451MSD

Tot Ion:136 Resp: 698134

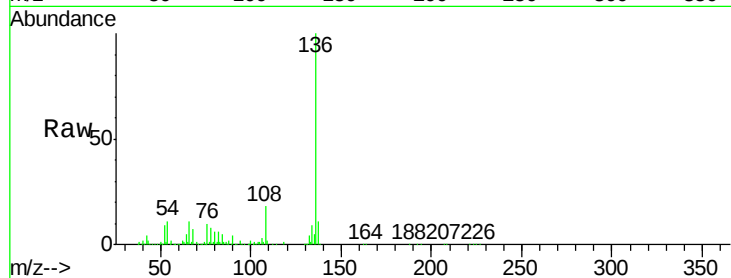
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 10.5 4.6 6.8#

68 7.0 3.7 5.5#

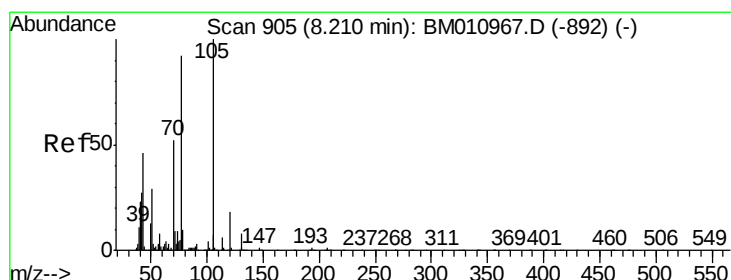
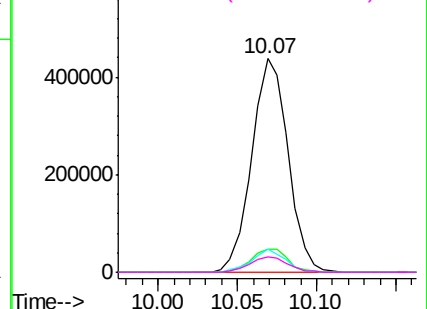
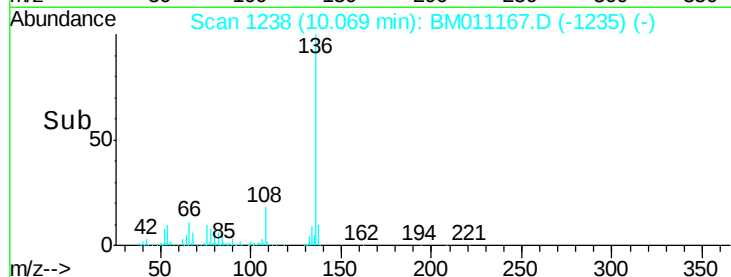


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM

Ion 68.00 (67.70 to 68.70): BM



#22

Acetophenone

Concen: 48.49 ng

RT: 8.13 min Scan# 909

Delta R.T. -0.08 min

Lab File: BM011167.D

Acq: 08 Aug 2017 00:08

Tgt Ion:105 Resp: 1014794

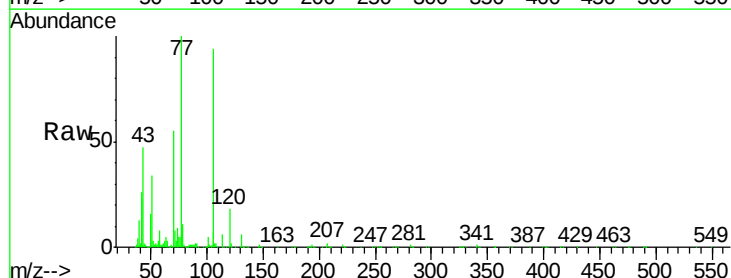
Ion Ratio Lower Upper

105 100

71 8.9 0.6 1.0#

51 35.6 21.6 32.4#

120 19.1 16.1 24.1

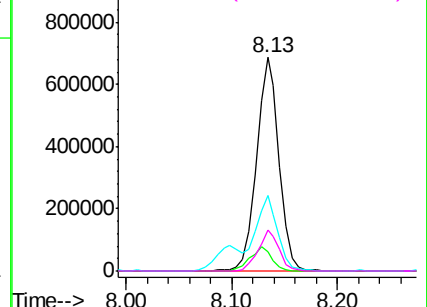
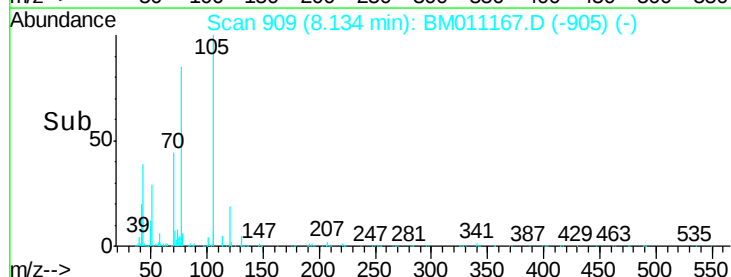


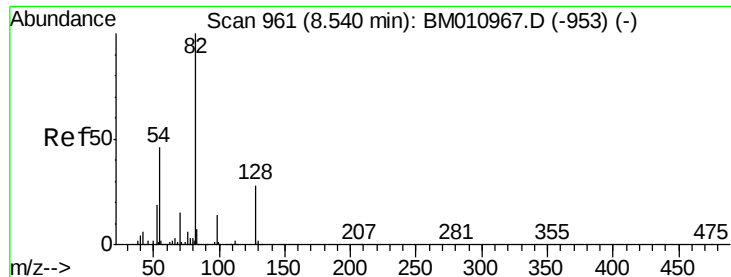
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BM

Ion 51.00 (50.70 to 51.70): BM

Ion 120.00 (119.70 to 120.70): E

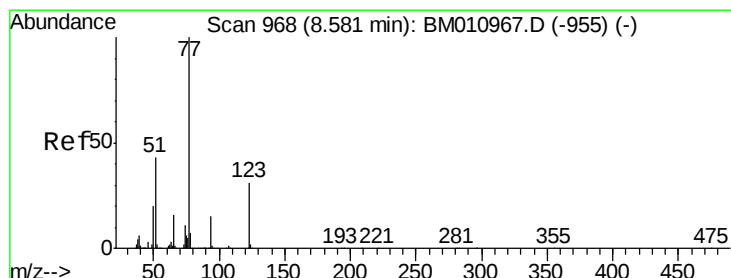
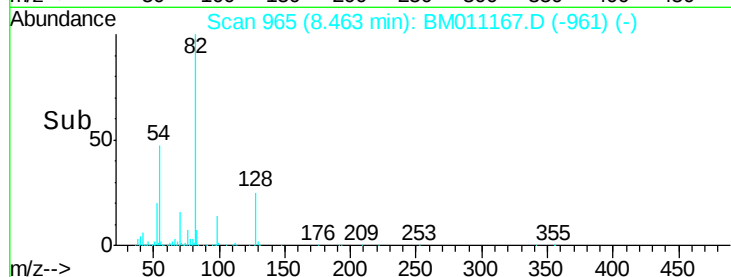
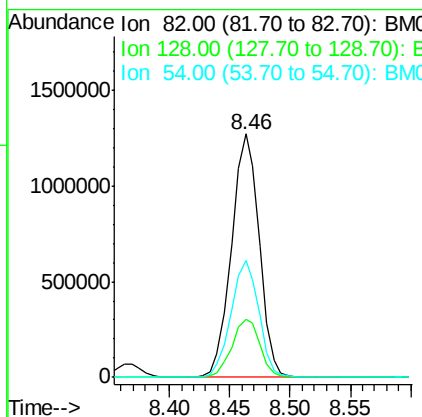
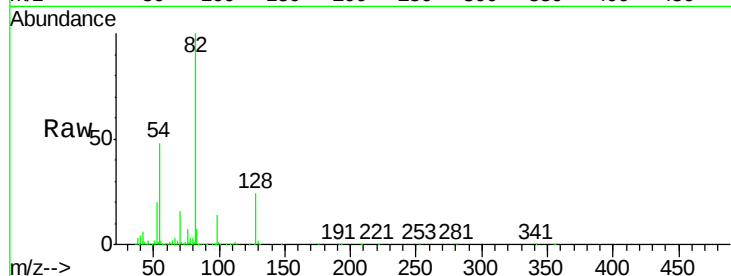




#23  
 Nitrobenzene-d5  
 Concen: 109.69 ng  
 RT: 8.46 min Scan# 965  
 Delta R.T. -0.08 min  
 Lab File: BM011167.D  
 Acq: 08 Aug 2017 00:08

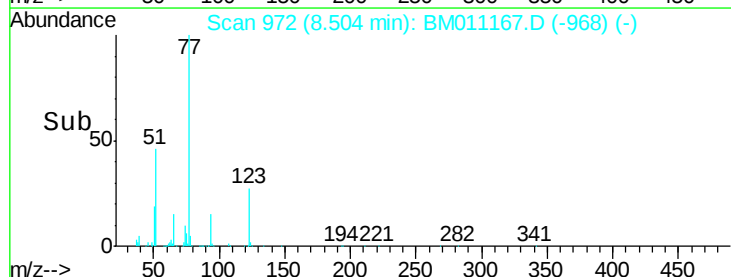
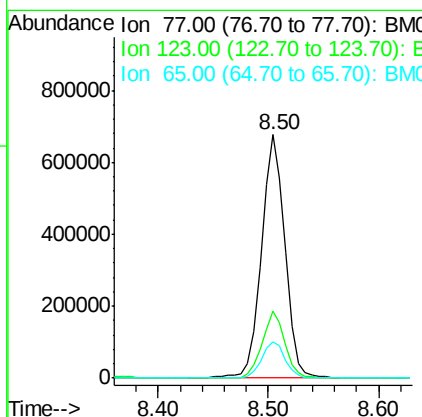
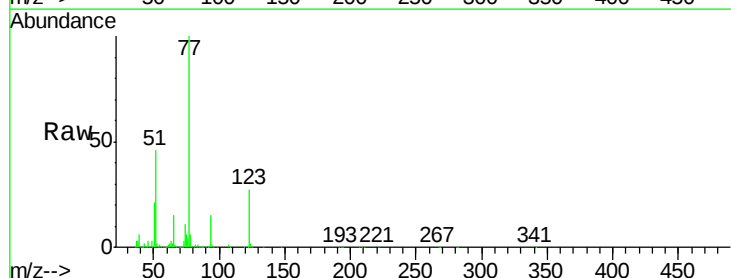
Instrument :  
 BNA\_M  
 ClientSampleId :  
 15-50-RT3460-RT4215-RT3451MSD

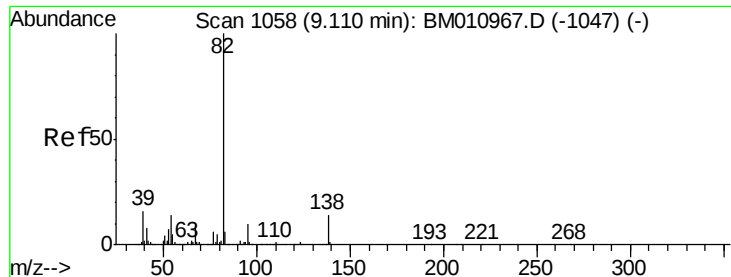
Tot Ion: 82 Resp: 2040331  
 Ion Ratio Lower Upper  
 82 100  
 128 23.9 32.8 49.2#  
 54 47.8 40.6 60.8



#24  
 Nitrobenzene  
 Concen: 52.04 ng  
 RT: 8.50 min Scan# 972  
 Delta R.T. -0.08 min  
 Lab File: BM011167.D  
 Acq: 08 Aug 2017 00:08

Tgt Ion: 77 Resp: 1003069  
 Ion Ratio Lower Upper  
 77 100  
 123 27.4 32.6 49.0#  
 65 15.0 10.9 16.3





#25

Isophorone

Concen: 57.54 ng

RT: 9.03 min Scan# 1061

Delta R.T. -0.08 min

Lab File: BM011167.D

Acq: 08 Aug 2017 00:08

Instrument :

BNA\_M

ClientSampleId :

15-50-RT3460-RT4215-RT3451MSD

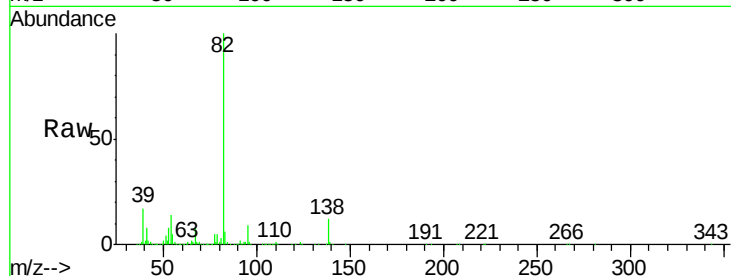
Tot Ion: 82 Resp: 1784704

Ion Ratio Lower Upper

82 100

95 9.5 5.8 8.6#

138 12.1 16.3 24.5#

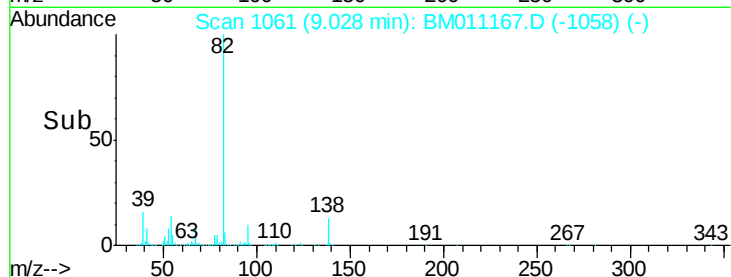


Abundance Ion 82.00 (81.70 to 82.70): BM011167.D (-1058) (-)

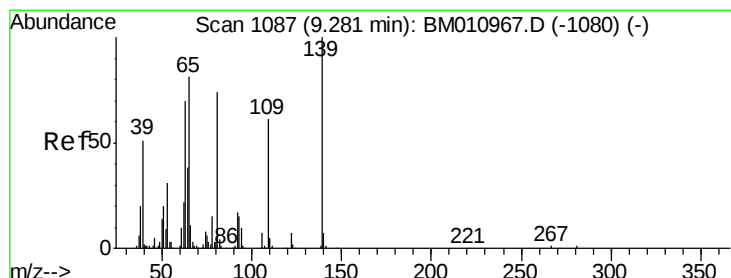
Ion 95.00 (94.70 to 95.70): BM011167.D (-1058) (-)

Ion 138.00 (137.70 to 138.70): BM011167.D (-1058) (-)

Time--> 8.90 9.00 9.10



Time--> 8.90 9.00 9.10



#26

2-Nitrophenol

Concen: 48.31 ng

RT: 9.20 min Scan# 1091

Delta R.T. -0.08 min

Lab File: BM011167.D

Acq: 08 Aug 2017 00:08

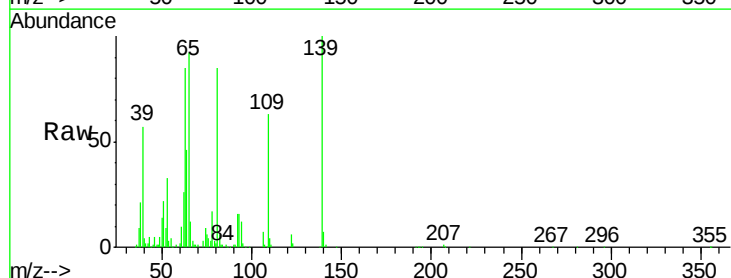
Tgt Ion: 139 Resp: 296305

Ion Ratio Lower Upper

139 100

109 62.9 20.1 30.1#

65 92.3 31.5 47.3#

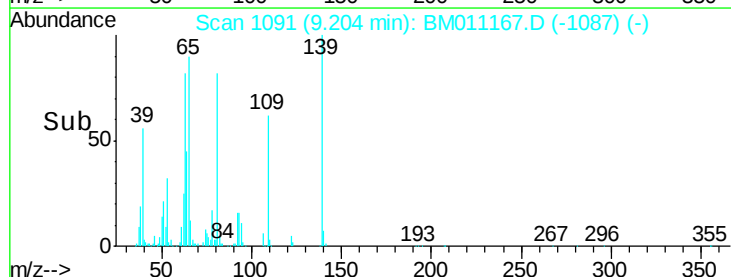


Abundance Ion 139.00 (138.70 to 139.70): BM011167.D (-1087) (-)

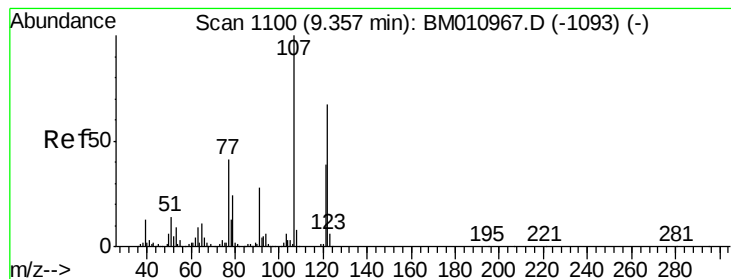
Ion 109.00 (108.70 to 109.70): BM011167.D (-1087) (-)

Ion 65.00 (64.70 to 65.70): BM011167.D (-1087) (-)

Time--> 9.15 9.20 9.25



Time--> 9.15 9.20 9.25



#27

2,4-Dimethylphenol

Concen: 49.78 ng

RT: 9.28 min Scan# 1104

Delta R.T. -0.08 min

Lab File: BM011167.D

Acq: 08 Aug 2017 00:08

Instrument :

BNA\_M

ClientSampleId :

15-50-RT3460-RT4215-RT3451MSD

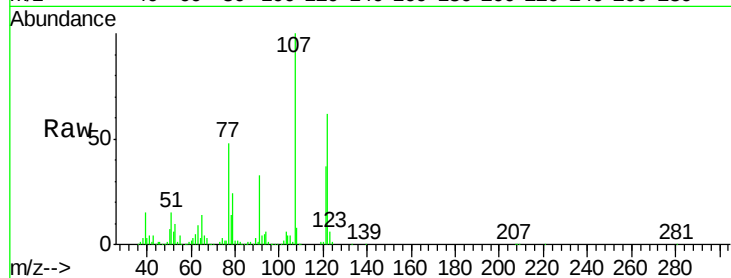
Tot Ion:122 Resp: 537471

Ion Ratio Lower Upper

122 100

107 161.1 84.7 127.1#

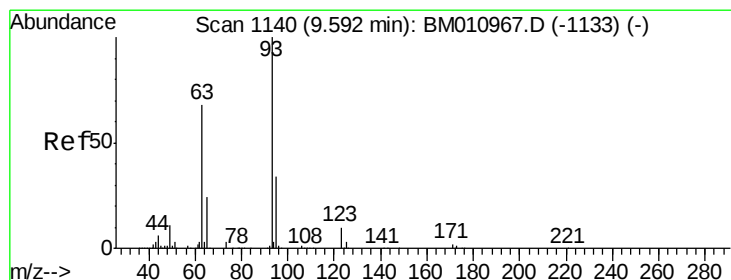
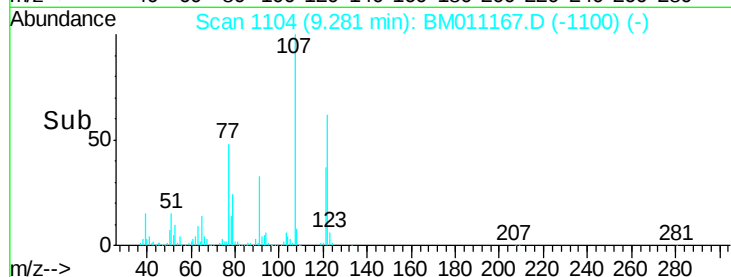
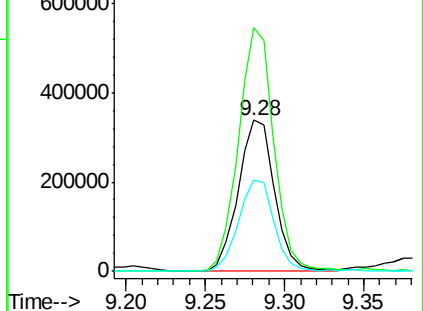
121 60.2 46.6 69.8



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 51.68 ng

RT: 9.52 min Scan# 1144

Delta R.T. -0.08 min

Lab File: BM011167.D

Acq: 08 Aug 2017 00:08

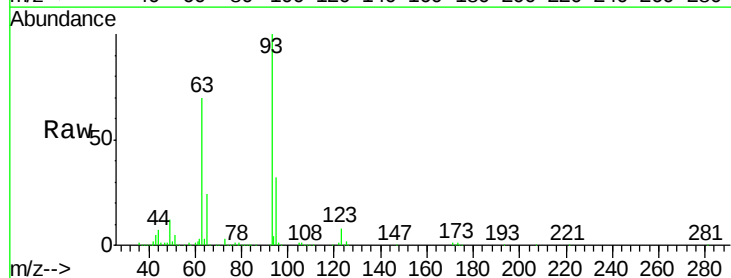
Tgt Ion: 93 Resp: 893979

Ion Ratio Lower Upper

93 100

95 31.9 25.5 38.3

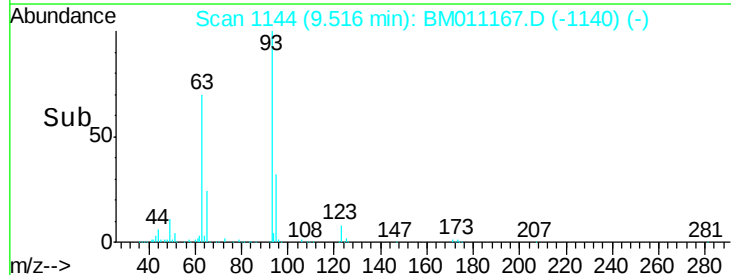
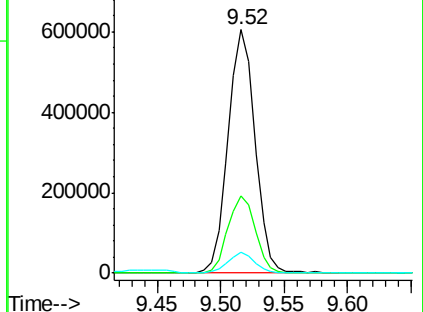
123 8.4 8.6 13.0#

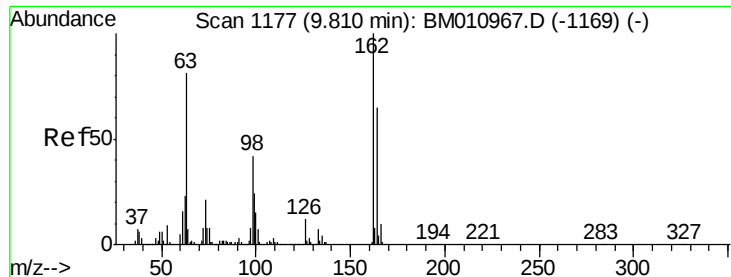


Abundance Ion 93.00 (92.70 to 93.70): BM0

Ion 95.00 (94.70 to 95.70): BM0

Ion 123.00 (122.70 to 123.70): E

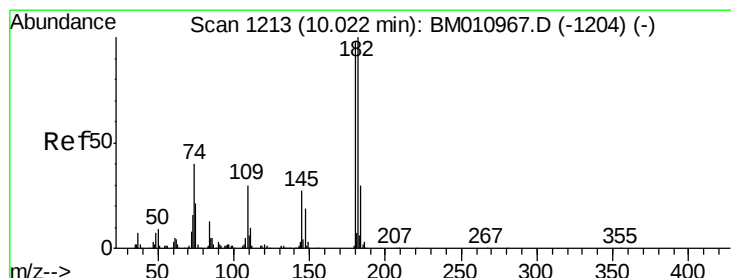
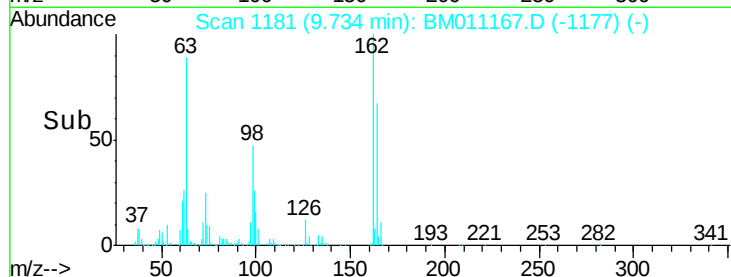
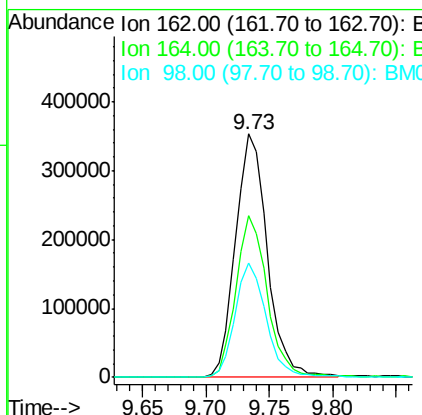
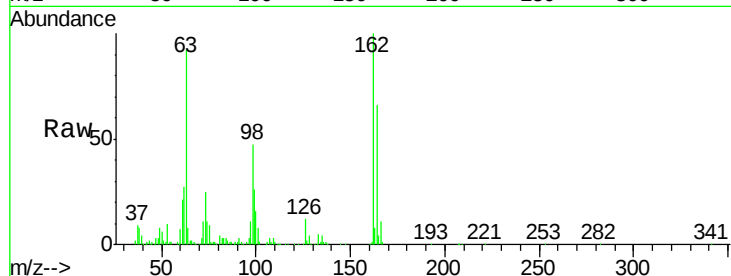




#29  
 2,4-Dichlorophenol  
 Concen: 50.76 ng  
 RT: 9.73 min Scan# 1181  
 Delta R.T. -0.08 min  
 Lab File: BM011167.D  
 Acq: 08 Aug 2017 00:08

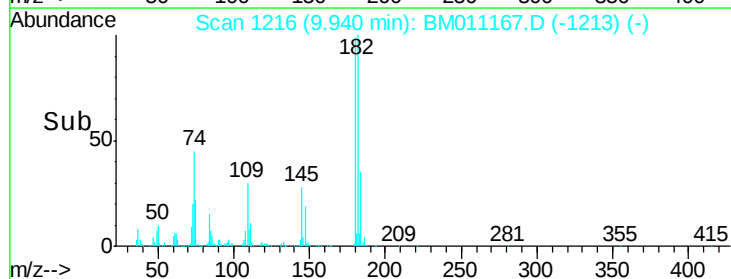
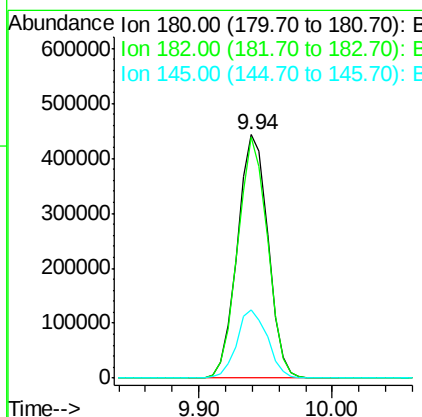
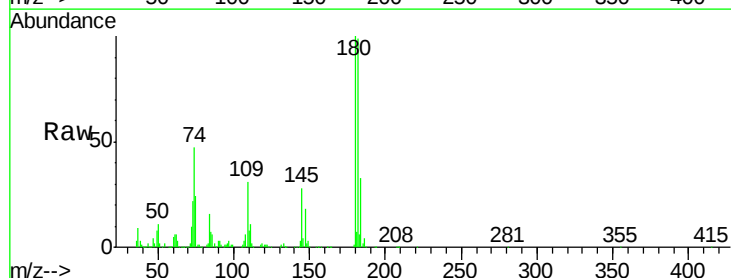
Instrument :  
 BNA\_M  
 ClientSampleId :  
 15-50-RT3460-RT4215-RT3451MSD

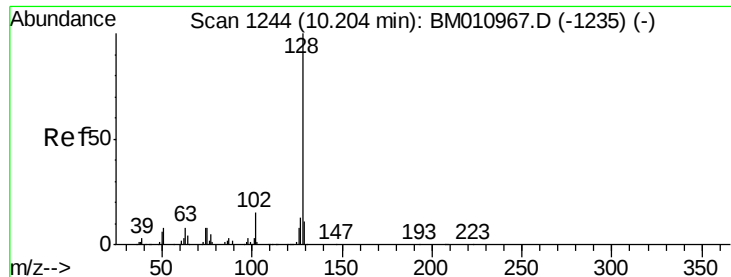
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 66.2  | 42.8  | 82.8  |
| 98      | 46.9  | 14.5  | 54.5  |



#30  
 1,2,4-Trichlorobenzene  
 Concen: 46.86 ng  
 RT: 9.94 min Scan# 1216  
 Delta R.T. -0.08 min  
 Lab File: BM011167.D  
 Acq: 08 Aug 2017 00:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 99.2  | 77.6  | 116.4 |
| 145     | 28.0  | 23.4  | 35.2  |

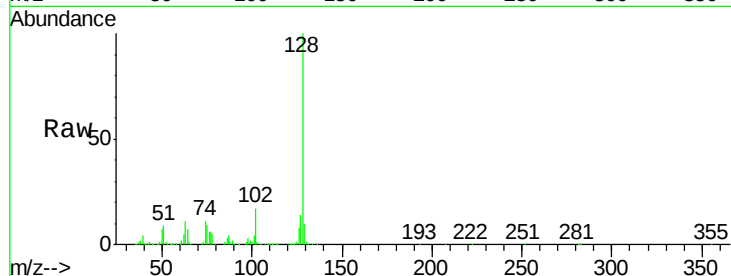




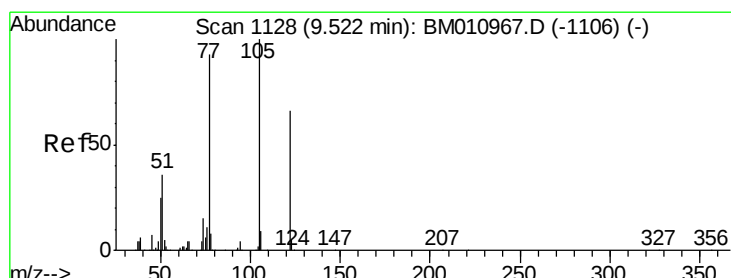
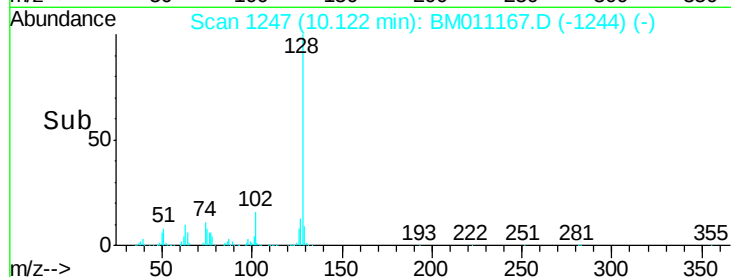
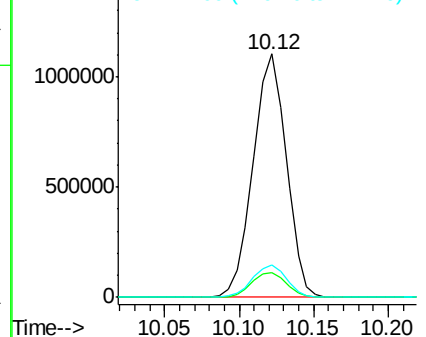
#31  
Naphthalene  
Concen: 48.34 ng  
RT: 10.12 min Scan# 1247  
Delta R.T. -0.08 min  
Lab File: BM011167.D  
Acq: 08 Aug 2017 00:08

Instrument :  
BNA\_M  
ClientSampleId :  
15-50-RT3460-RT4215-RT3451MSD

Tot Ion:128 Resp: 1697582  
Ion Ratio Lower Upper  
128 100  
129 10.0 8.9 13.3  
127 13.6 10.4 15.6

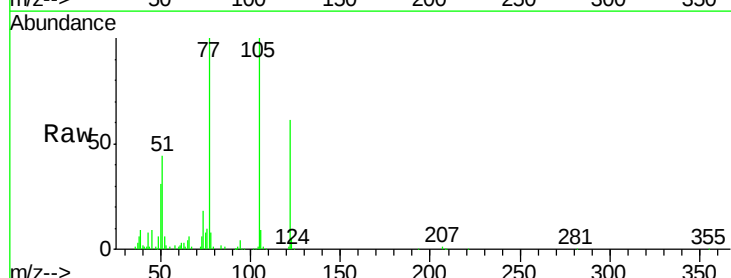


Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E

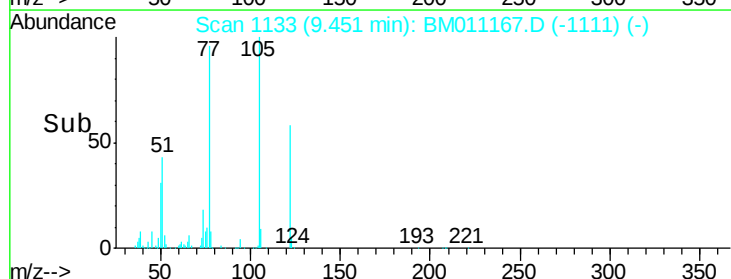
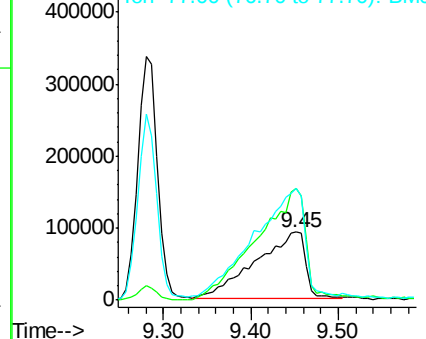


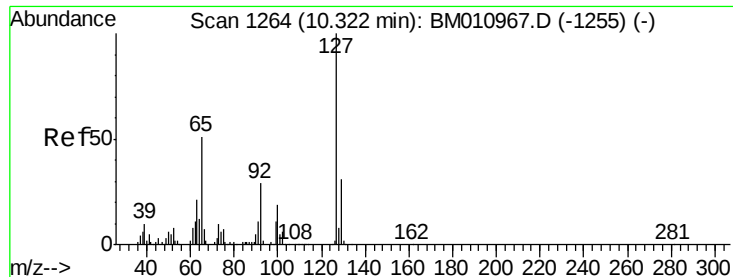
#32  
Benzoic acid  
Concen: 41.63 ng  
RT: 9.45 min Scan# 1133  
Delta R.T. -0.07 min  
Lab File: BM011167.D  
Acq: 08 Aug 2017 00:08

Tgt Ion:122 Resp: 361271  
Ion Ratio Lower Upper  
122 100  
105 163.9 99.9 139.9#  
77 163.7 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

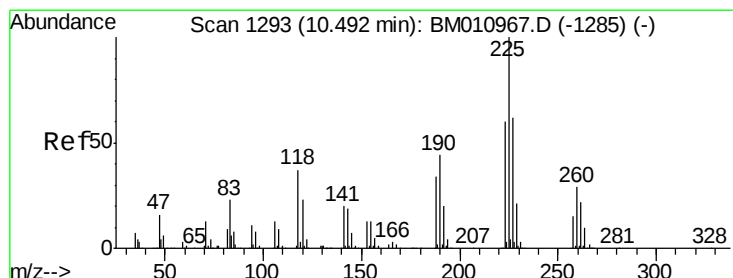
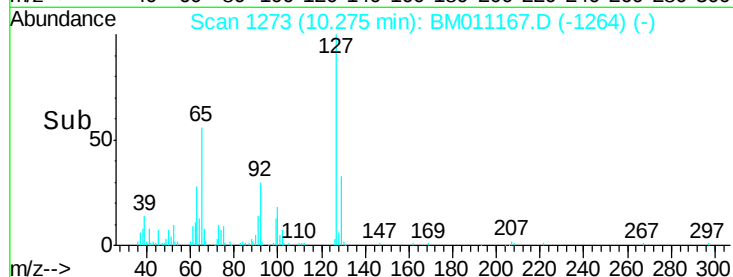
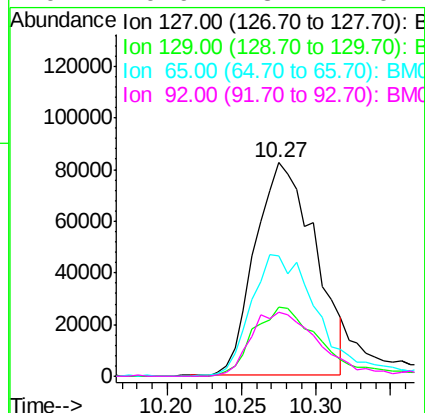
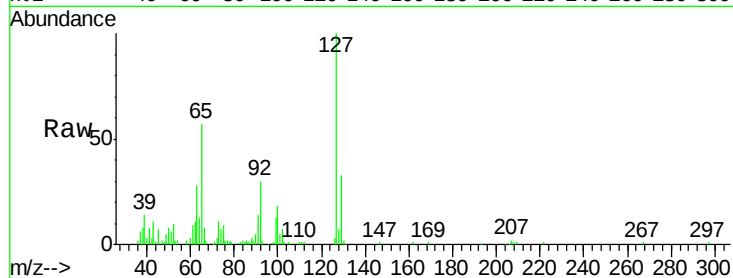




#33  
4-Chloroaniline  
Concen: 16.47 ng  
RT: 10.27 min Scan# 1273  
Delta R.T. -0.05 min  
Lab File: BM011167.D  
Acq: 08 Aug 2017 00:08

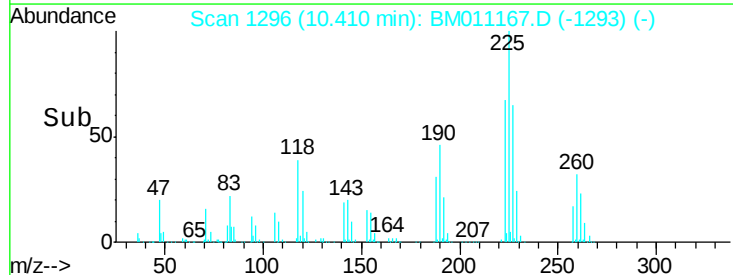
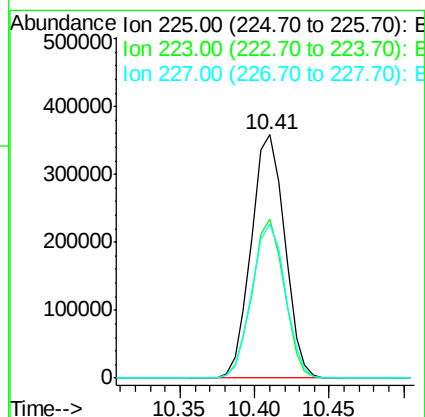
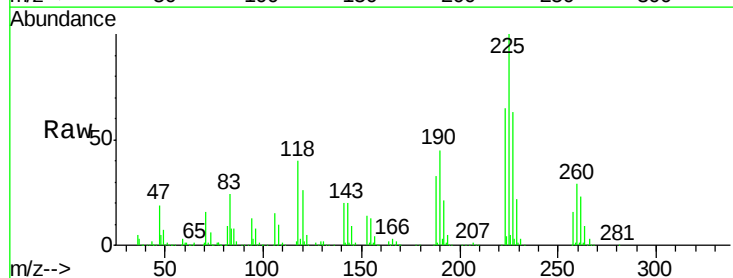
Instrument :  
BNA\_M  
ClientSampleId :  
15-50-RT3460-RT4215-RT3451MSD

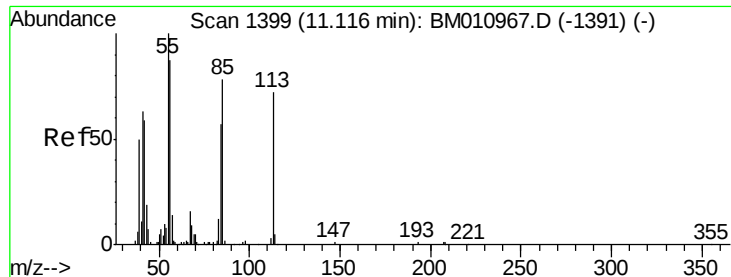
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 127   | Resp: | 230746 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 32.6  | 25.3  | 37.9   |
| 65       | 56.6  | 17.6  | 26.4#  |
| 92       | 29.9  | 13.1  | 19.7#  |



#34  
Hexachlorobutadiene  
Concen: 47.13 ng  
RT: 10.41 min Scan# 1296  
Delta R.T. -0.08 min  
Lab File: BM011167.D  
Acq: 08 Aug 2017 00:08

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 556834 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 65.3  | 47.9  | 71.9   |
| 227      | 63.3  | 50.1  | 75.1   |





#35

Caprolactam

Concen: 44.22 ng

RT: 11.05 min Scan# 1405

Delta R.T. -0.06 min

Lab File: BM011167.D

Acq: 08 Aug 2017 00:08

Instrument :

BNA\_M

ClientSampleId :

15-50-RT3460-RT4215-RT3451MSD

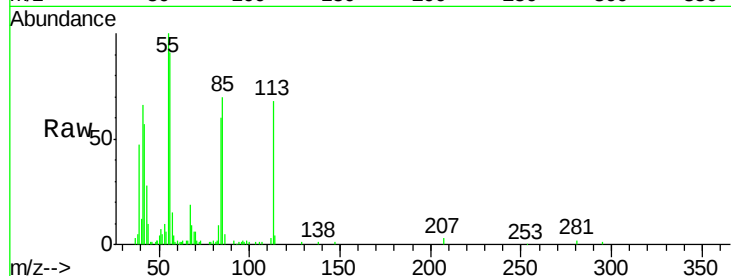
Tot Ion:113 Resp: 152151

Ion Ratio Lower Upper

113 100

55 146.8 145.9 185.9

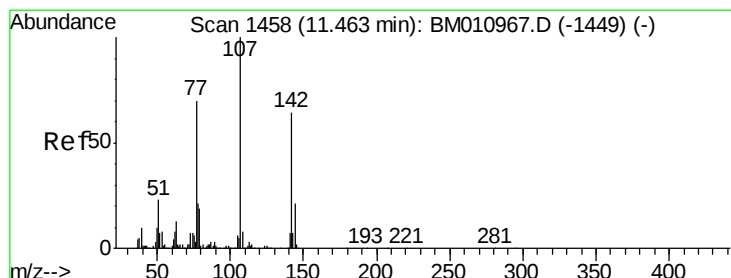
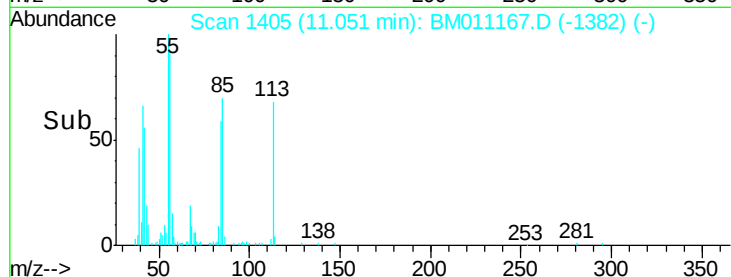
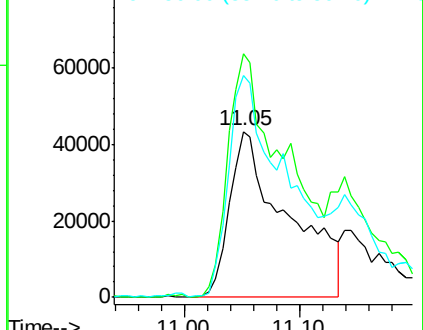
56 133.5 101.0 141.0



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: 57.95 ng

RT: 11.39 min Scan# 1462

Delta R.T. -0.08 min

Lab File: BM011167.D

Acq: 08 Aug 2017 00:08

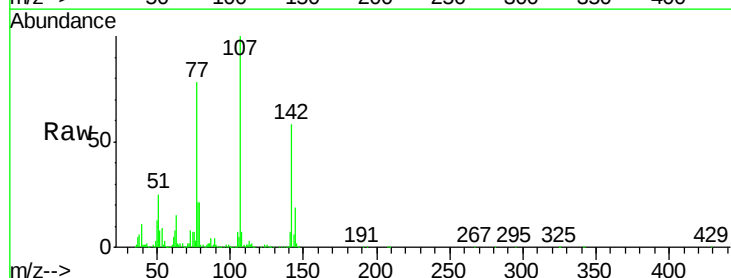
Tgt Ion:107 Resp: 907866

Ion Ratio Lower Upper

107 100

144 19.2 23.3 34.9#

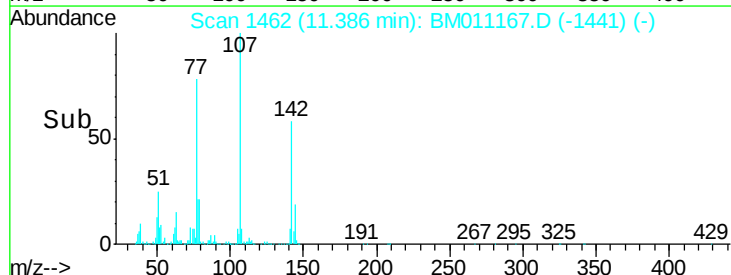
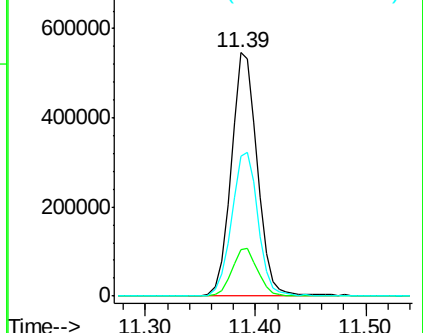
142 57.7 72.6 109.0#

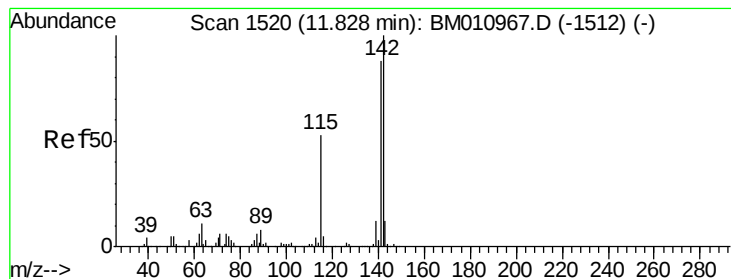


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 54.81 ng

RT: 11.75 min Scan# 1523

Delta R.T. -0.08 min

Lab File: BM011167.D

Acq: 08 Aug 2017 00:08

Instrument :

BNA\_M

ClientSampleId :

15-50-RT3460-RT4215-RT3451MSD

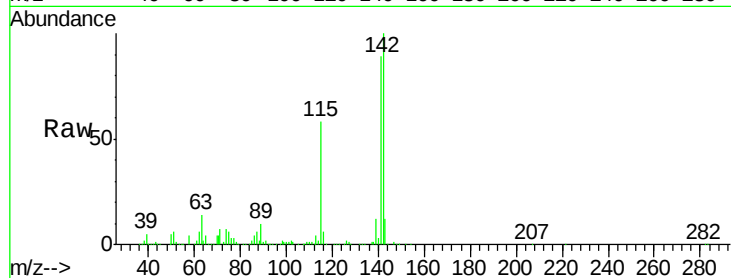
Tot Ion:142 Resp: 1414017

Ion Ratio Lower Upper

142 100

141 88.9 71.9 107.9

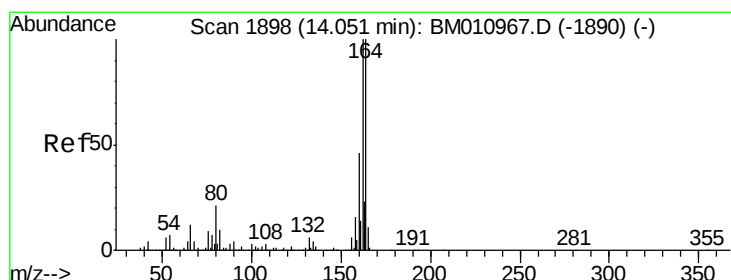
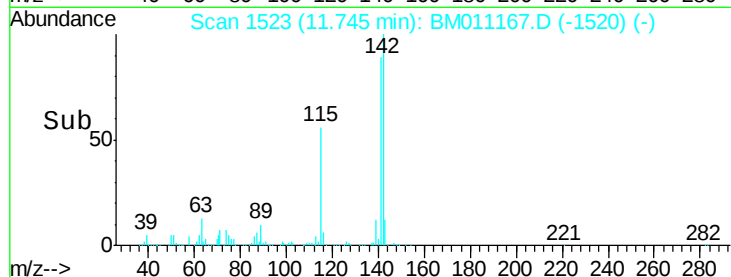
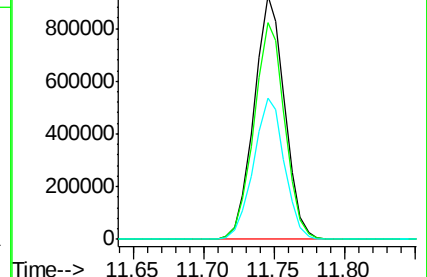
115 58.0 25.4 38.0#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 13.98 min Scan# 1903

Delta R.T. -0.07 min

Lab File: BM011167.D

Acq: 08 Aug 2017 00:08

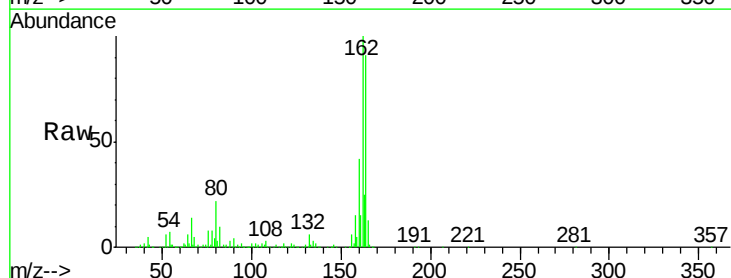
Tgt Ion:164 Resp: 582330

Ion Ratio Lower Upper

164 100

162 110.3 82.4 123.6

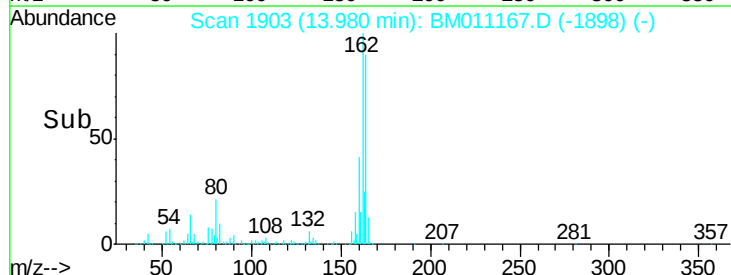
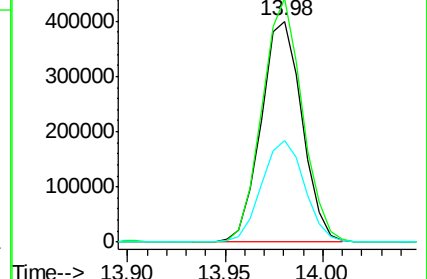
160 46.0 35.8 53.6

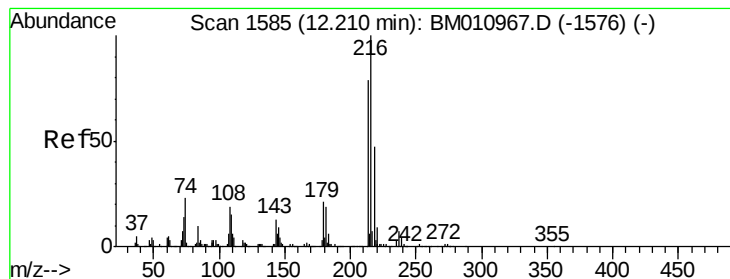


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

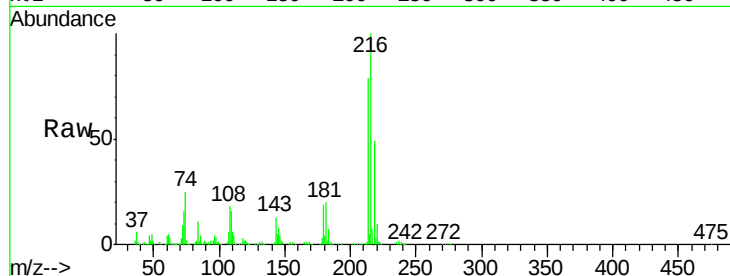




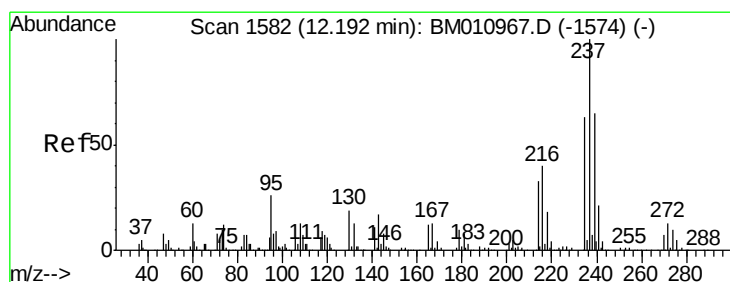
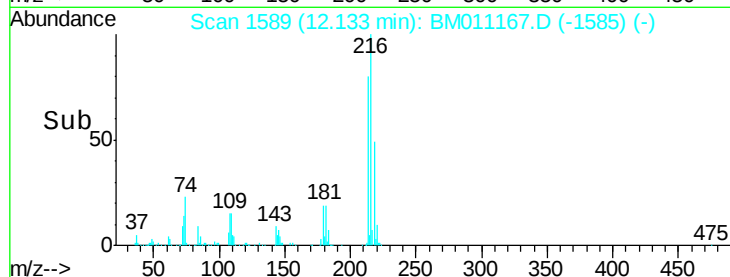
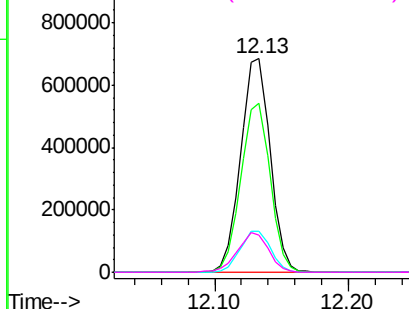
#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 41.91 ng  
 RT: 12.13 min Scan# 1589  
 Delta R.T. -0.08 min  
 Lab File: BM011167.D  
 Acq: 08 Aug 2017 00:08

Instrument :  
 BNA\_M  
 ClientSampleId :  
 15-50-RT3460-RT4215-RT3451MSD

|             |               |
|-------------|---------------|
| Tot Ion:216 | Resp: 1048617 |
| Ion Ratio   | Lower Upper   |
| 216 100     |               |
| 214 78.5    | 0.0 0.0#      |
| 179 19.8    | 0.0 0.0#      |
| 108 19.7    | 0.0 0.0#      |

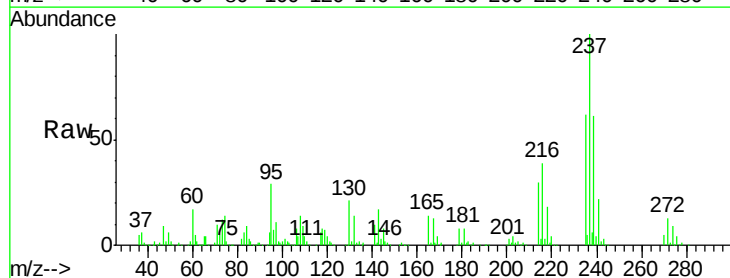


Abundance Ion 216.00 (215.70 to 216.70): E  
 Ion 214.00 (213.70 to 214.70): E  
 Ion 179.00 (178.70 to 179.70): E  
 Ion 108.00 (107.70 to 108.70): E

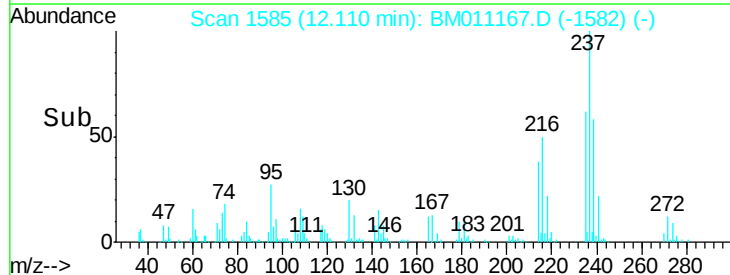
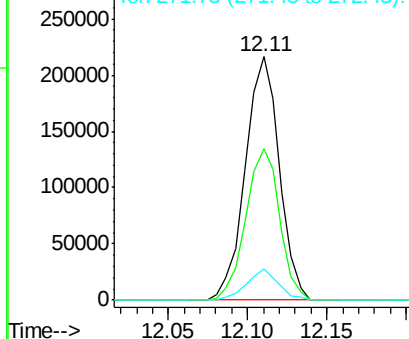


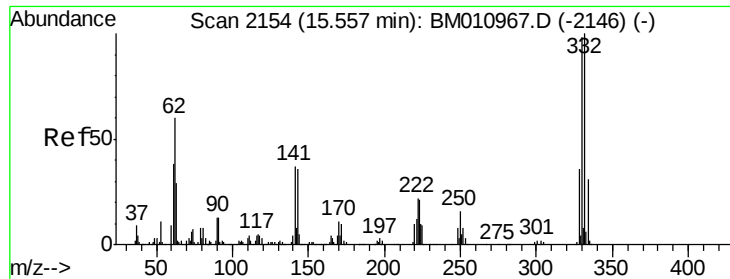
#40  
 Hexachlorocyclopentadiene  
 Concen: 22.11 ng  
 RT: 12.11 min Scan# 1585  
 Delta R.T. -0.08 min  
 Lab File: BM011167.D  
 Acq: 08 Aug 2017 00:08

|         |       |              |       |
|---------|-------|--------------|-------|
| Tgt Ion | 237   | Resp: 322255 |       |
| Ion     | Ratio | Lower        | Upper |
| 237     | 100   |              |       |
| 235     | 62.2  | 42.0         | 82.0  |
| 272     | 12.6  | 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

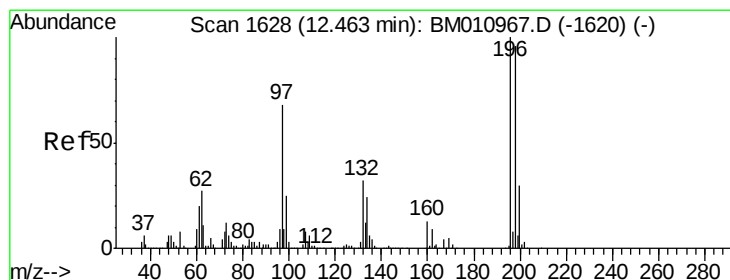
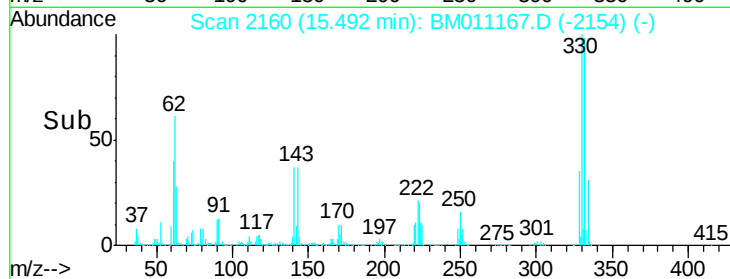
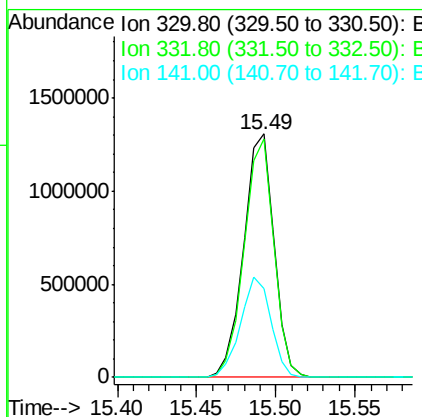
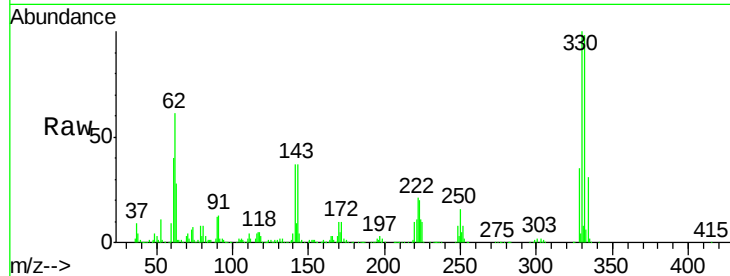




#41  
 2,4,6-Tribromophenol  
 Concen: 186.08 ng  
 RT: 15.49 min Scan# 2160  
 Delta R.T. -0.06 min  
 Lab File: BM011167.D  
 Acq: 08 Aug 2017 00:08

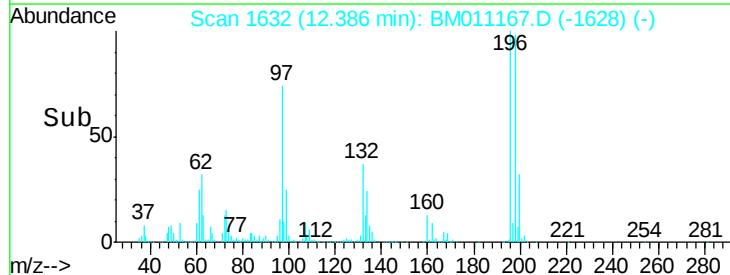
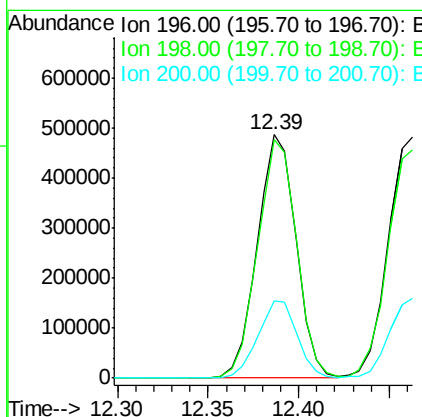
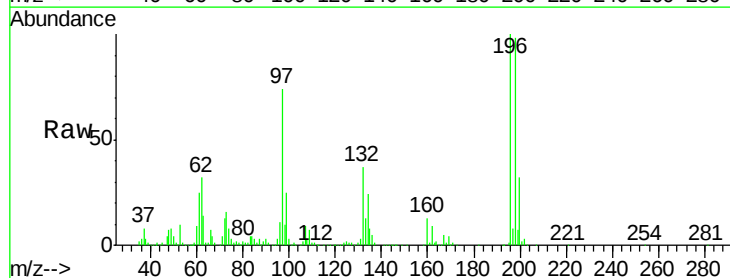
Instrument :  
 BNA\_M  
 ClientSampleId :  
 15-50-RT3460-RT4215-RT3451MSD

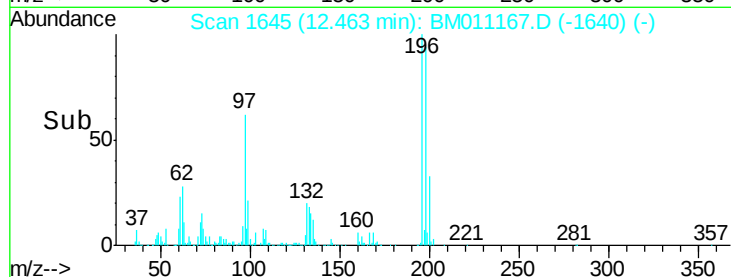
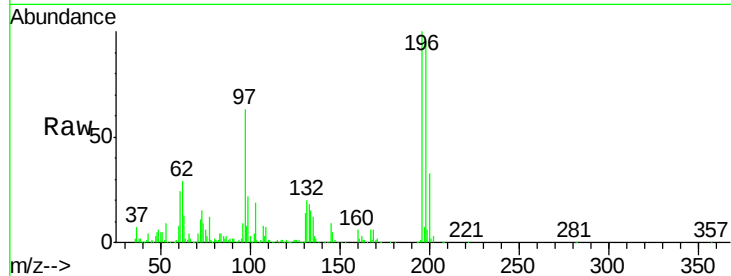
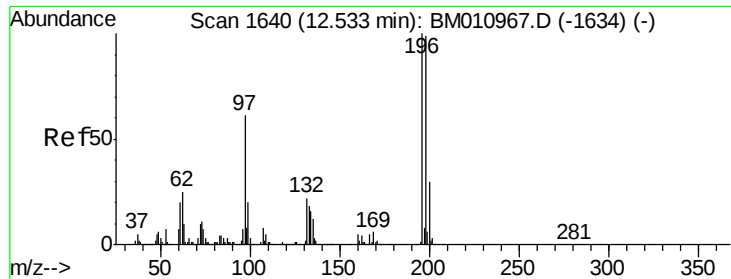
Tot Ion:330 Resp: 1736809  
 Ion Ratio Lower Upper  
 330 100  
 332 96.2 0.0 0.0#  
 141 41.7 0.0 0.0#



#42  
 2,4,6-Trichlorophenol  
 Concen: 47.83 ng  
 RT: 12.39 min Scan# 1632  
 Delta R.T. -0.08 min  
 Lab File: BM011167.D  
 Acq: 08 Aug 2017 00:08

Tgt Ion:196 Resp: 724273  
 Ion Ratio Lower Upper  
 196 100  
 198 97.9 76.3 114.5  
 200 31.5 25.6 38.4

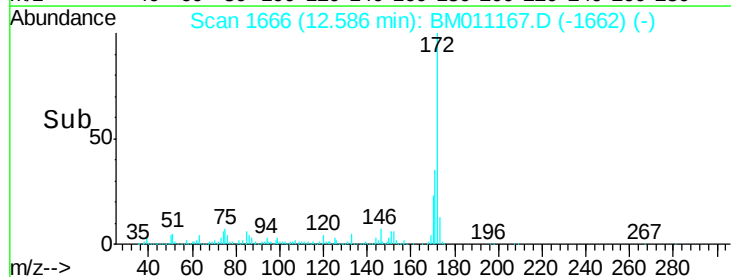
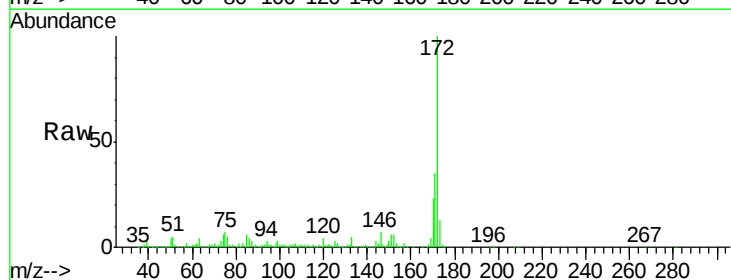
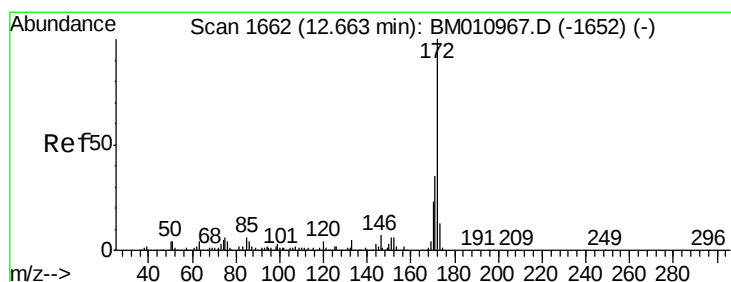
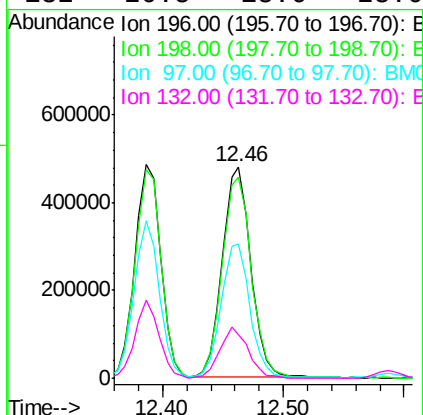




#43  
2,4,5-Trichlorophenol  
Concen: 50.23 ng  
RT: 12.46 min Scan# 1645  
Delta R.T. -0.07 min  
Lab File: BM011167.D  
Acq: 08 Aug 2017 00:08

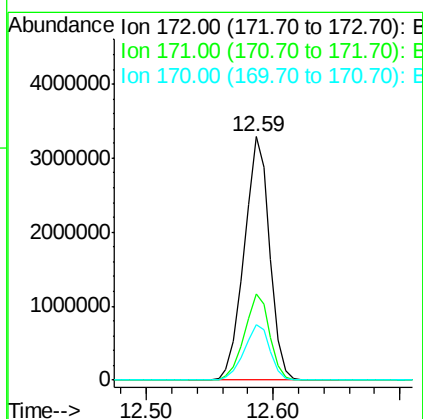
Instrument :  
BNA\_M  
ClientSampleId :  
15-50-RT3460-RT4215-RT3451MSD

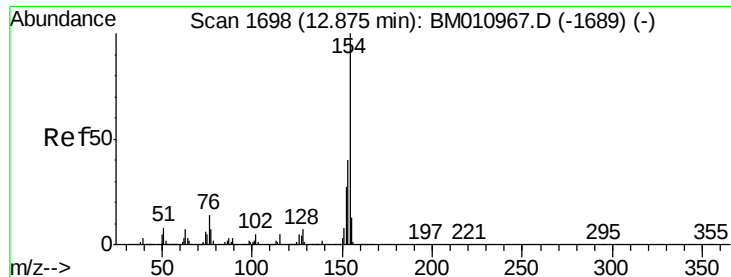
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 94.7  | 79.4  | 119.0 |
| 97      | 63.3  | 26.8  | 40.2  |
| 132     | 20.5  | 18.6  | 28.0  |



#44  
2-Fluorobiphenyl  
Concen: 98.26 ng  
RT: 12.59 min Scan# 1666  
Delta R.T. -0.08 min  
Lab File: BM011167.D  
Acq: 08 Aug 2017 00:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.2  | 28.5  | 42.7  |
| 170     | 23.0  | 18.8  | 28.2  |





#45

1,1'-Biphenyl

Concen: 42.30 ng

RT: 12.80 min Scan# 1702

Delta R.T. -0.08 min

Lab File: BM011167.D

Acq: 08 Aug 2017 00:08

Instrument :

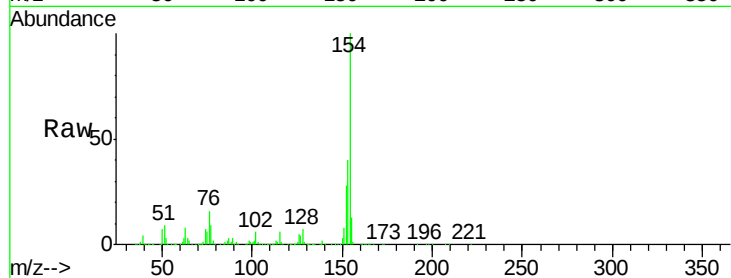
BNA\_M

ClientSampleId :

15-50-RT3460-RT4215-RT3451MSD

Tot Ion:154 Resp: 2130035

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 154 | 100   |       |       |
| 153 | 40.2  | 20.7  | 60.7  |
| 76  | 15.7  | 0.0   | 30.9  |

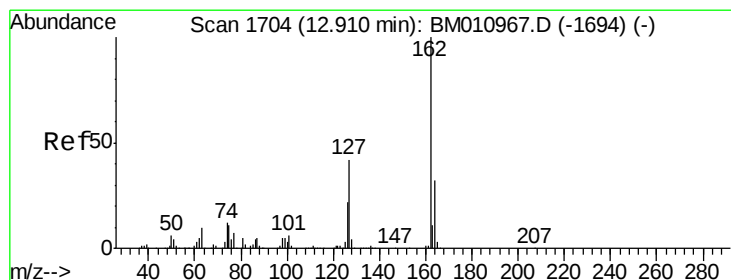
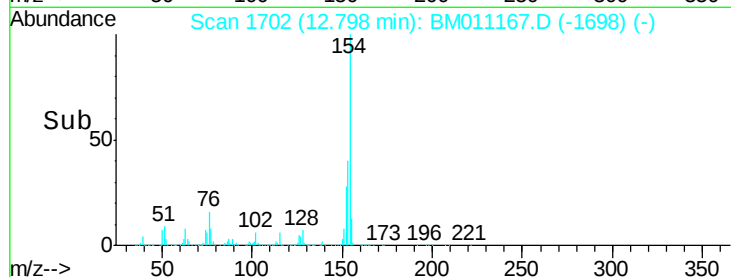
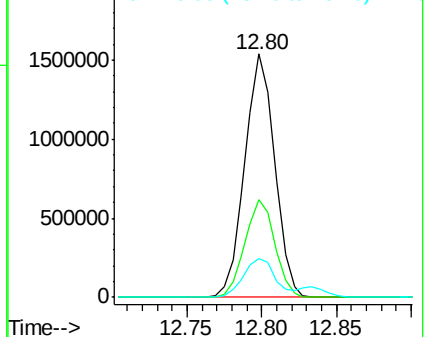


Abundance

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: 45.58 ng

RT: 12.83 min Scan# 1708

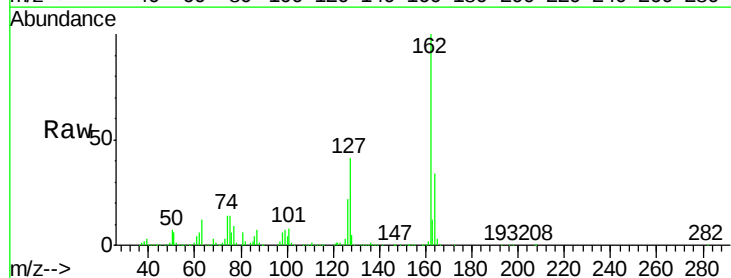
Delta R.T. -0.08 min

Lab File: BM011167.D

Acq: 08 Aug 2017 00:08

Tgt Ion:162 Resp: 1691028

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 162 | 100   |       |       |
| 127 | 40.8  | 26.9  | 40.3# |
| 164 | 33.6  | 26.8  | 40.2  |

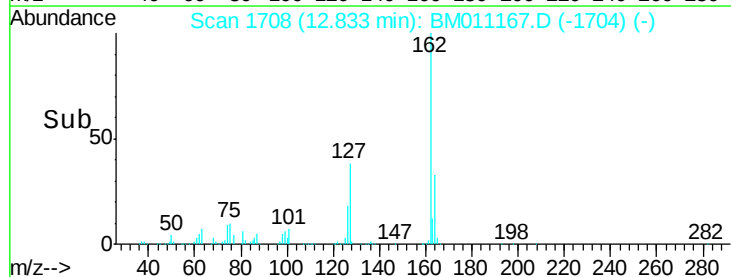
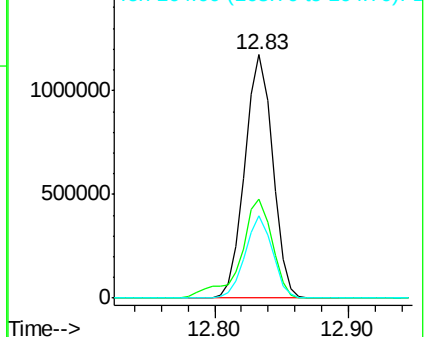


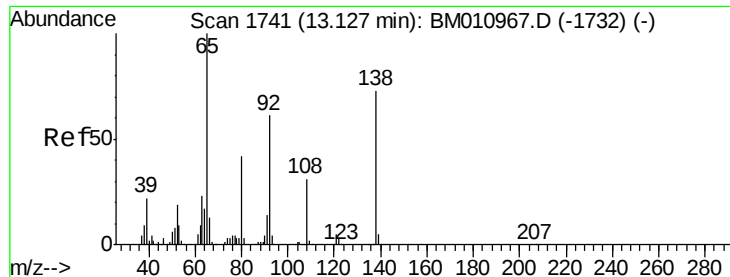
Abundance

Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 60.27 ng

RT: 13.06 min Scan# 1746

Delta R.T. -0.07 min

Lab File: BM011167.D

Acq: 08 Aug 2017 00:08

Instrument :

BNA\_M

ClientSampleId :

15-50-RT3460-RT4215-RT3451MSD

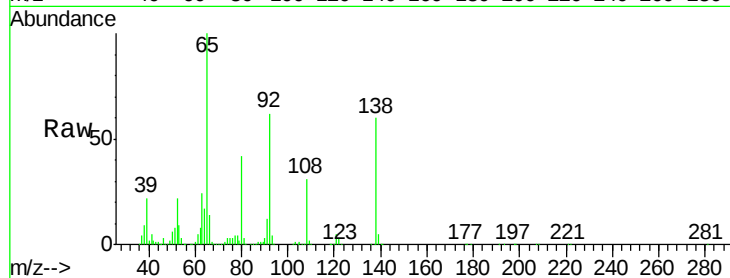
Tot Ion: 65 Resp: 790992

Ion Ratio Lower Upper

65 100

92 61.7 59.1 88.7

138 60.0 93.9 140.9#



Abundance Ion 65.00 (64.70 to 65.70): BM011167.D (-1741) (-)

Ion 92.00 (91.70 to 92.70): BM011167.D (-1741) (-)

Ion 138.00 (137.70 to 138.70): BM011167.D (-1741) (-)

13.06

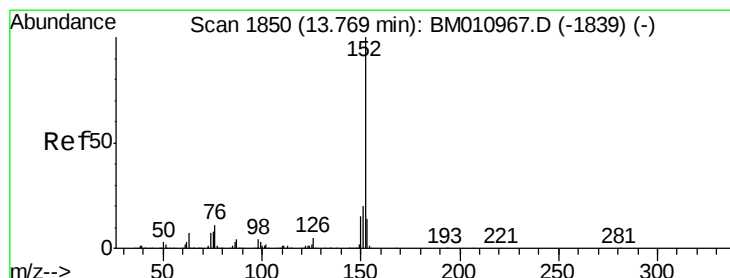
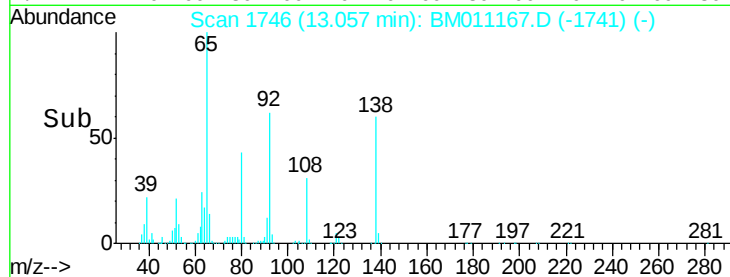
400000

200000

0

13.00 13.10

Time-->



#48

Acenaphthylene

Concen: 48.75 ng

RT: 13.69 min Scan# 1854

Delta R.T. -0.08 min

Lab File: BM011167.D

Acq: 08 Aug 2017 00:08

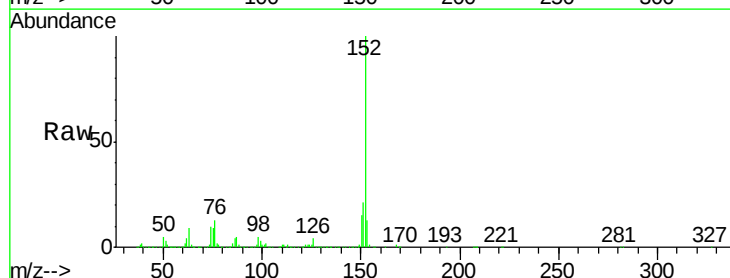
Tgt Ion: 152 Resp: 2699260

Ion Ratio Lower Upper

152 100

151 21.1 15.9 23.9

153 13.5 10.6 16.0



Abundance Ion 152.00 (151.70 to 152.70): BM011167.D (-1850) (-)

Ion 151.00 (150.70 to 151.70): BM011167.D (-1850) (-)

Ion 153.00 (152.70 to 153.70): BM011167.D (-1850) (-)

13.69

2500000

2000000

1500000

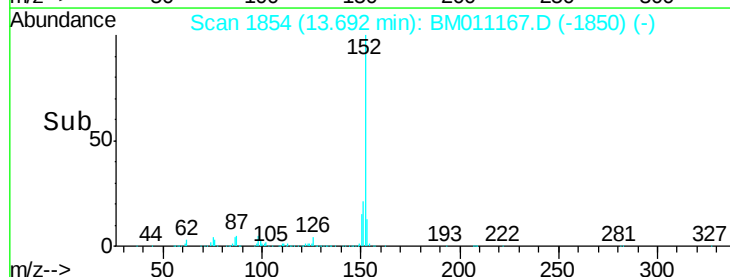
1000000

500000

0

13.60 13.70

Time-->

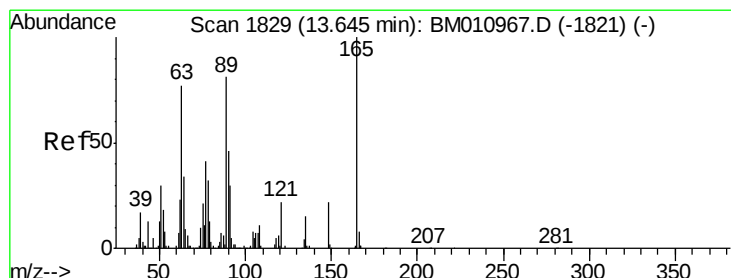
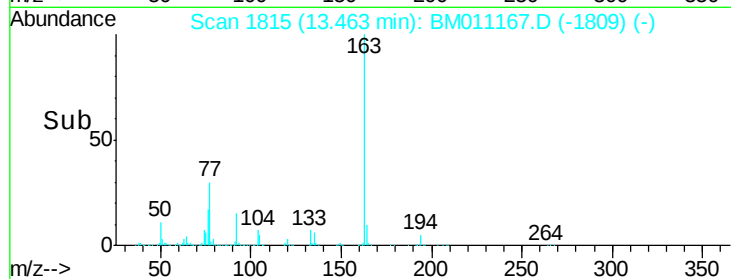
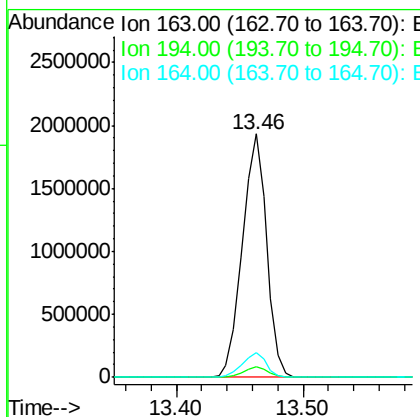
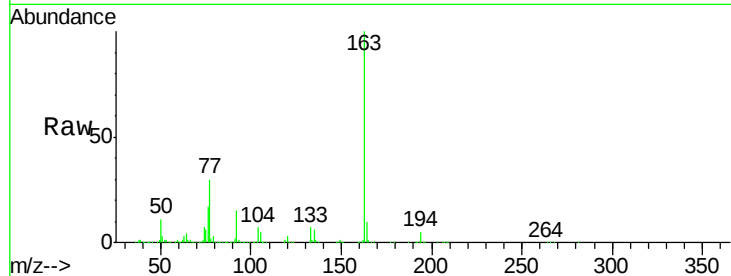




#49  
Dimethylphthalate  
Concen: 51.34 ng  
RT: 13.46 min Scan# 1815  
Delta R.T. -0.06 min  
Lab File: BM011167.D  
Acq: 08 Aug 2017 00:08

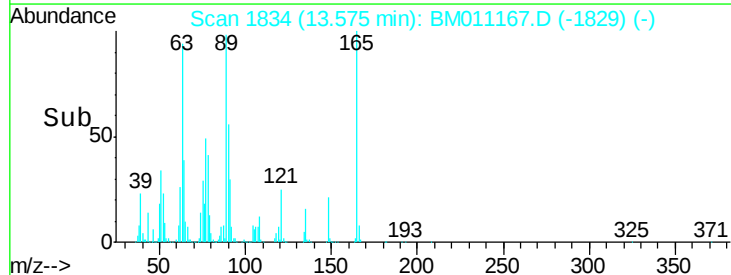
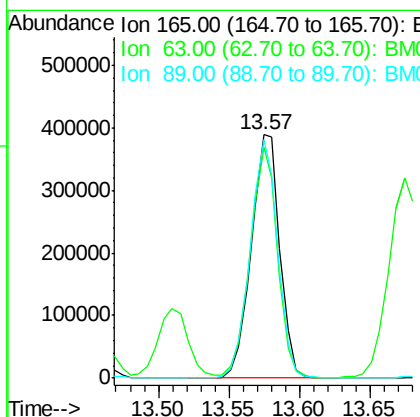
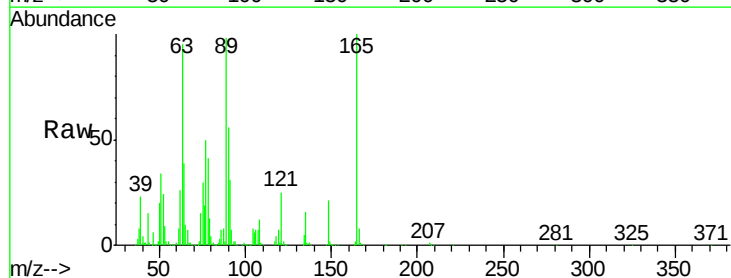
Instrument :  
BNA\_M  
ClientSampleId :  
15-50-RT3460-RT4215-RT3451MSD

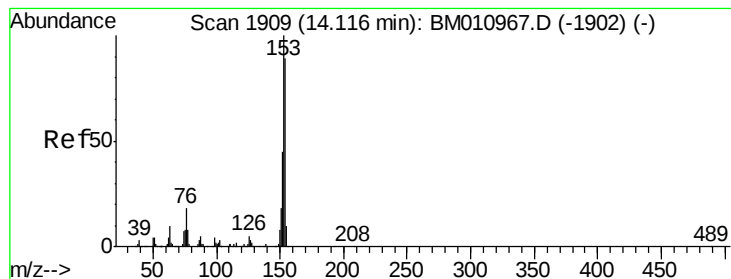
Tot Ion:163 Resp: 2557790  
Ion Ratio Lower Upper  
163 100  
194 4.5 2.7 4.1#  
164 10.0 8.2 12.2



#50  
2,6-Dinitrotoluene  
Concen: 54.68 ng  
RT: 13.57 min Scan# 1834  
Delta R.T. -0.07 min  
Lab File: BM011167.D  
Acq: 08 Aug 2017 00:08

Tgt Ion:165 Resp: 550874  
Ion Ratio Lower Upper  
165 100  
63 94.9 44.1 66.1#  
89 98.0 44.3 66.5#





#51

Acenaphthene

Concen: 49.40 ng

RT: 14.05 min Scan# 1914

Delta R.T. -0.07 min

Lab File: BM011167.D

Acq: 08 Aug 2017 00:08

Instrument :

BNA\_M

ClientSampleId :

15-50-RT3460-RT4215-RT3451MSD

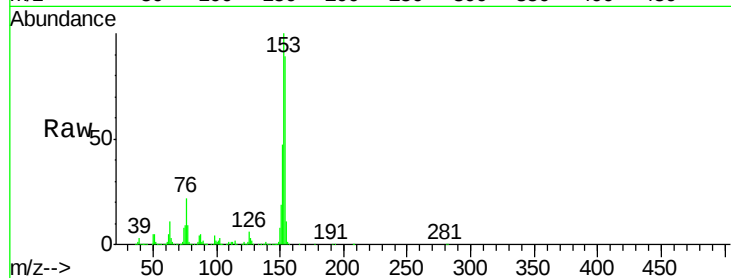
Tot Ion:154 Resp: 1693439

Ion Ratio Lower Upper

154 100

153 112.6 90.0 135.0

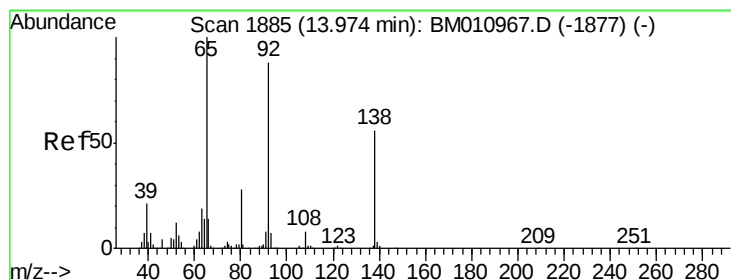
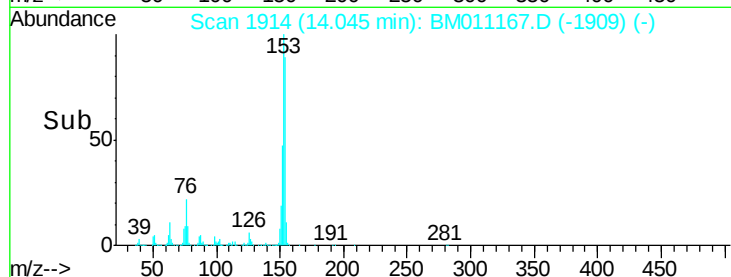
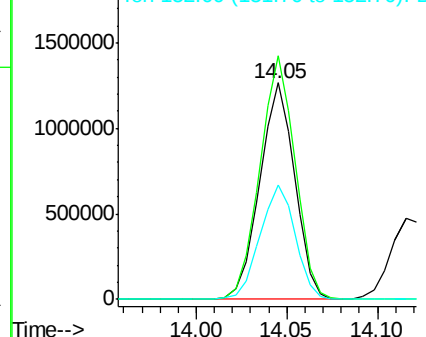
152 52.6 42.6 63.8



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: 44.85 ng

RT: 13.91 min Scan# 1891

Delta R.T. -0.06 min

Lab File: BM011167.D

Acq: 08 Aug 2017 00:08

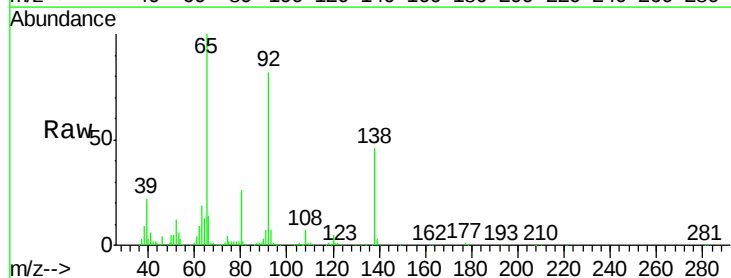
Tgt Ion:138 Resp: 392068

Ion Ratio Lower Upper

138 100

108 15.6 7.3 10.9#

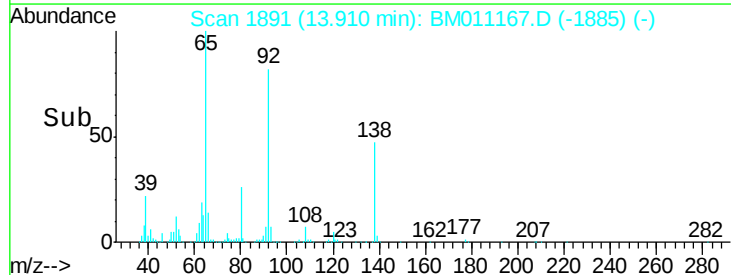
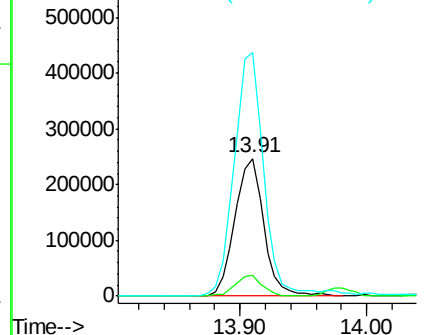
92 176.7 76.6 114.8#

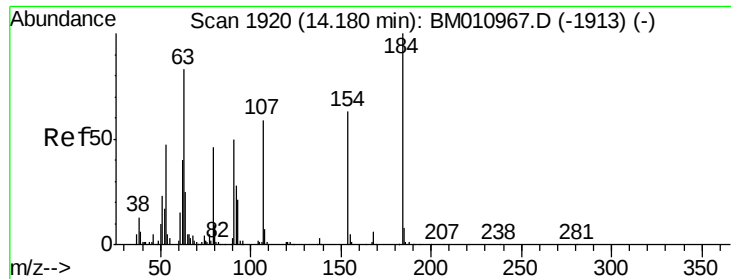


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BM

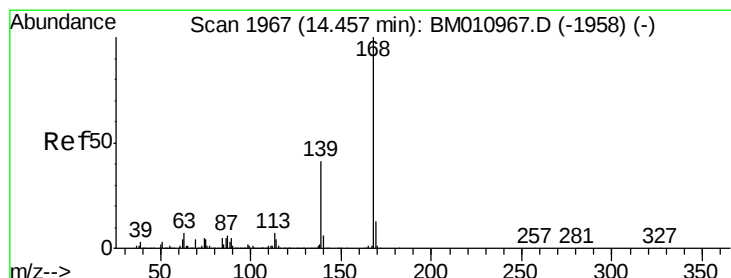
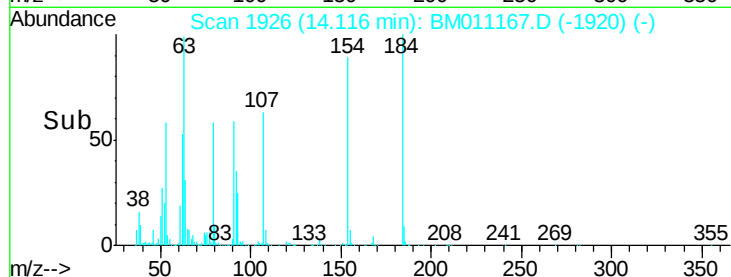
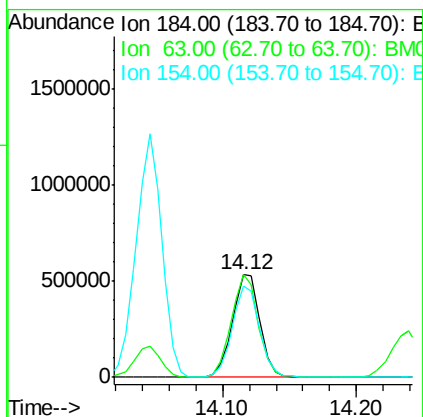
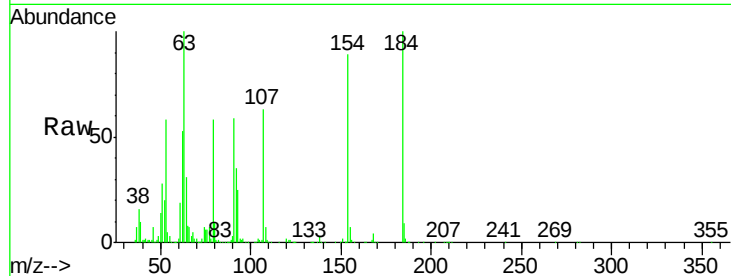




#53  
2,4-Dinitrophenol  
Concen: 107.40 ng  
RT: 14.12 min Scan# 1926  
Delta R.T. -0.06 min  
Lab File: BM011167.D  
Acq: 08 Aug 2017 00:08

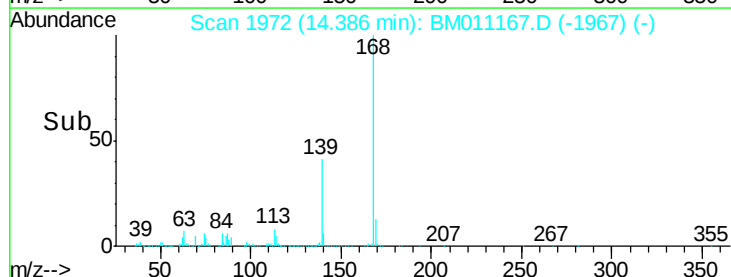
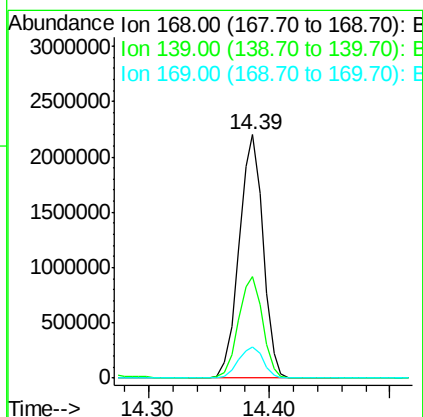
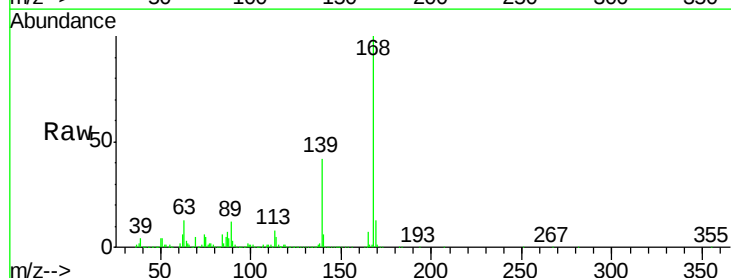
Instrument :  
BNA\_M  
ClientSampleId :  
15-50-RT3460-RT4215-RT3451MSD

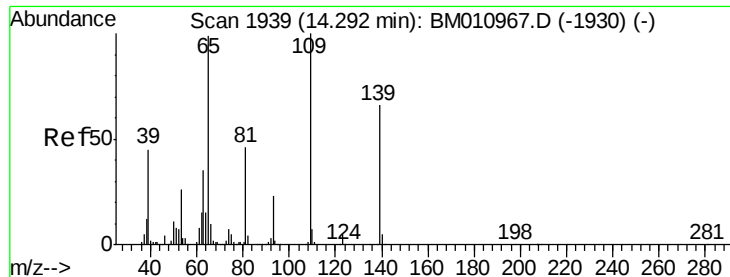
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 63      | 99.6  | 69.2  | 103.8 |
| 154     | 89.4  | 53.3  | 79.9  |



#54  
Dibenzofuran  
Concen: 54.79 ng  
RT: 14.39 min Scan# 1972  
Delta R.T. -0.07 min  
Lab File: BM011167.D  
Acq: 08 Aug 2017 00:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 41.7  | 27.3  | 40.9  |
| 169     | 12.7  | 10.6  | 16.0  |

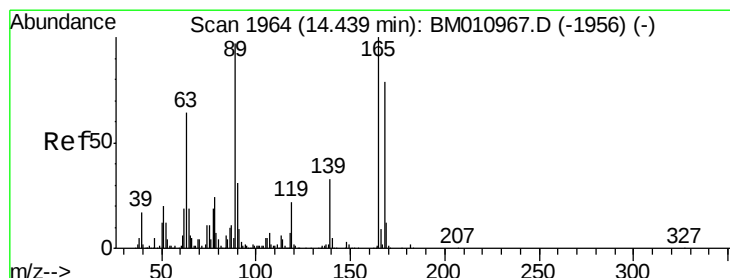
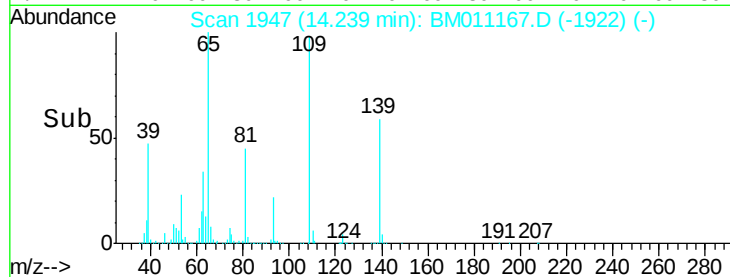
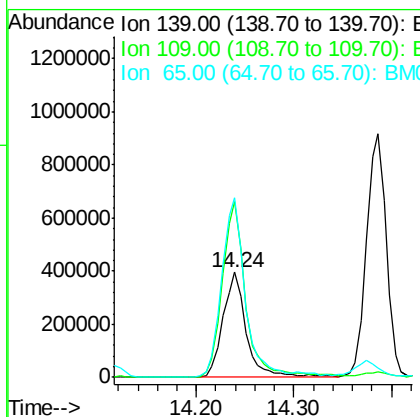
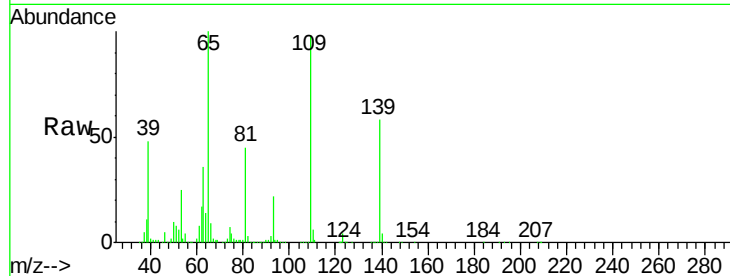




#55  
4-Nitrophenol  
Concen: 85.52 ng  
RT: 14.24 min Scan# 1947  
Delta R.T. -0.05 min  
Lab File: BM011167.D  
Acq: 08 Aug 2017 00:08

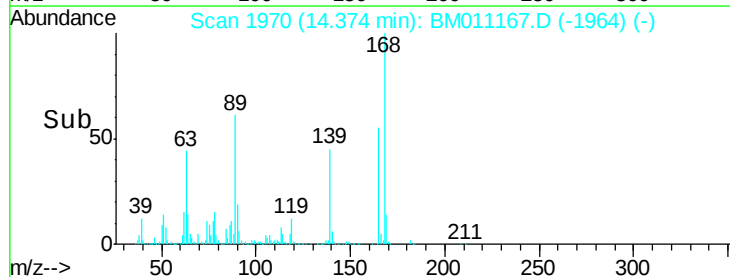
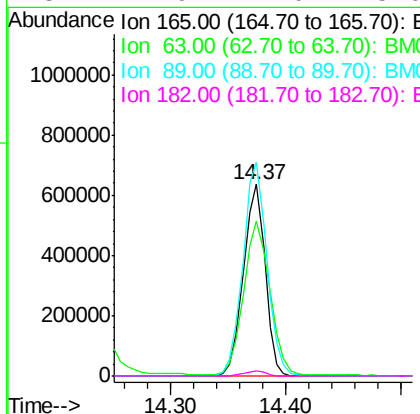
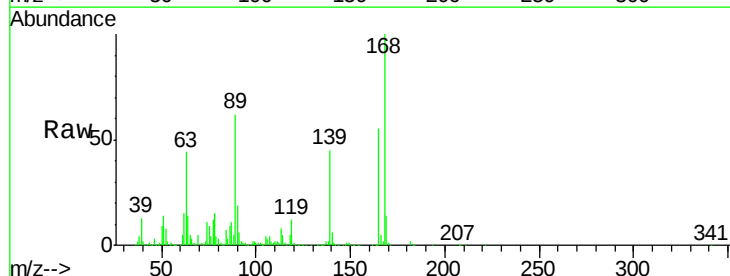
Instrument :  
BNA\_M  
ClientSampleId :  
15-50-RT3460-RT4215-RT3451MSD

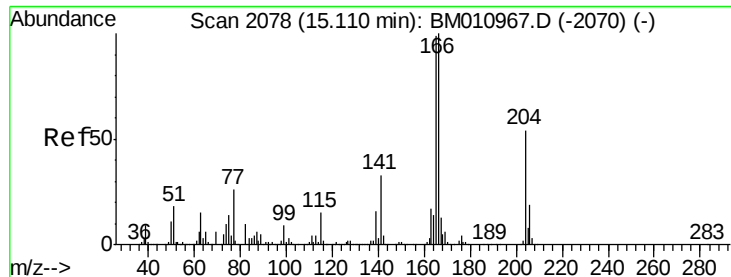
Tot Ion:139 Resp: 656795  
Ion Ratio Lower Upper  
139 100  
109 167.2 130.0 170.0  
65 170.9 130.0 170.0#



#56  
2,4-Dinitrotoluene  
Concen: 58.75 ng  
RT: 14.37 min Scan# 1970  
Delta R.T. -0.06 min  
Lab File: BM011167.D  
Acq: 08 Aug 2017 00:08

Tgt Ion:165 Resp: 830813  
Ion Ratio Lower Upper  
165 100  
63 80.5 52.4 78.6#  
89 111.5 72.4 108.6#  
182 2.9 2.0 3.0

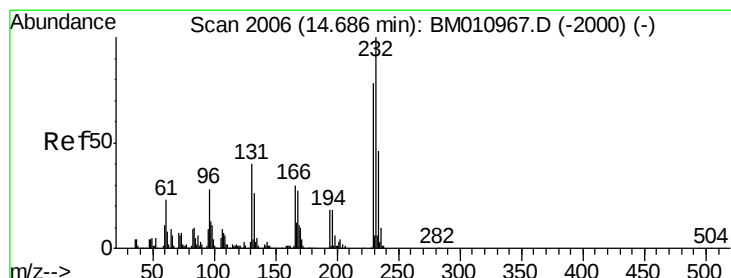
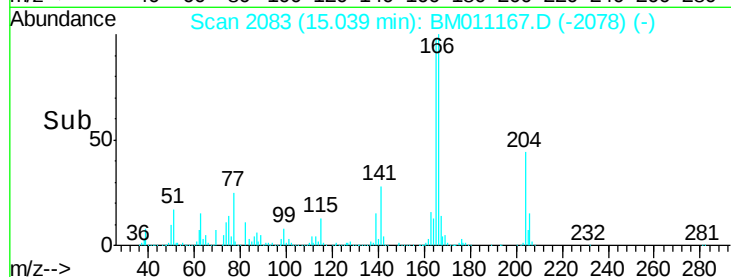
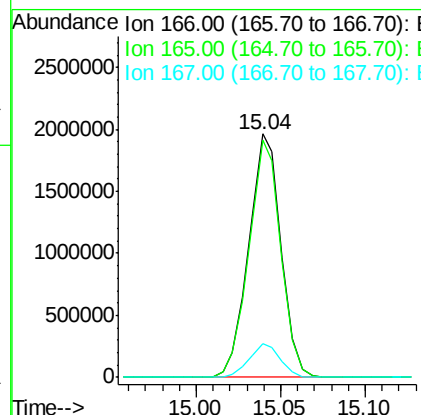
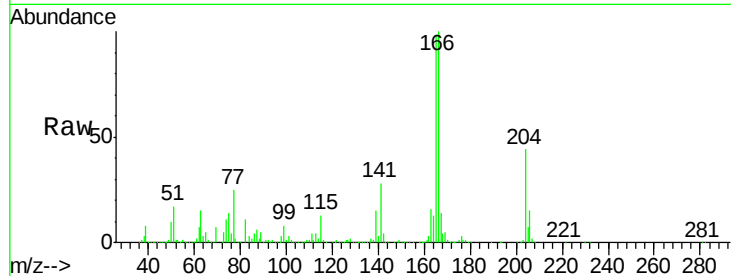




#57  
 Fluorene  
 Concen: 53.87 ng  
 RT: 15.04 min Scan# 2083  
 Delta R.T. -0.07 min  
 Lab File: BM011167.D  
 Acq: 08 Aug 2017 00:08

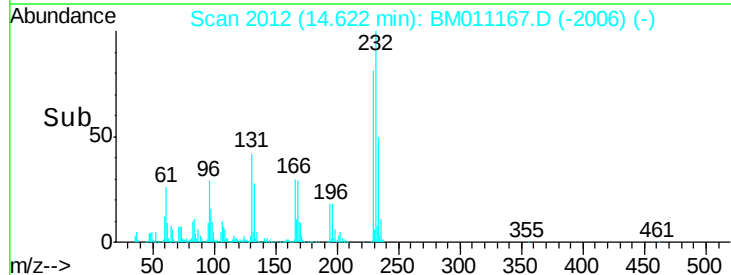
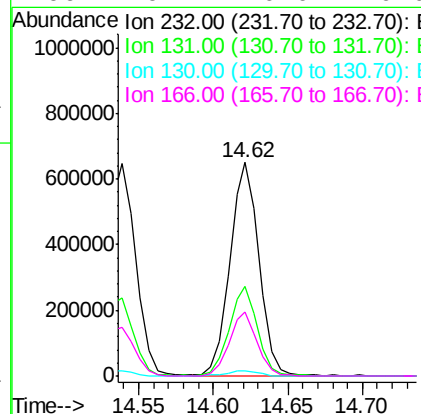
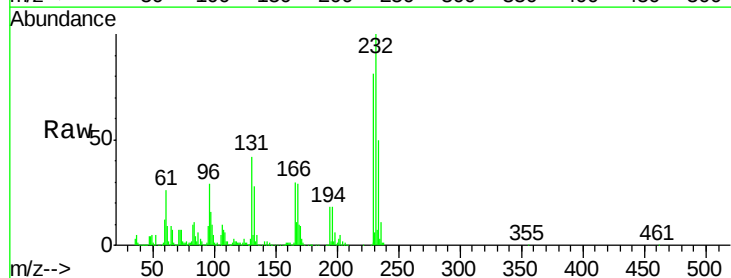
Instrument :  
 BNA\_M  
 ClientSampleId :  
 15-50-RT3460-RT4215-RT3451MSD

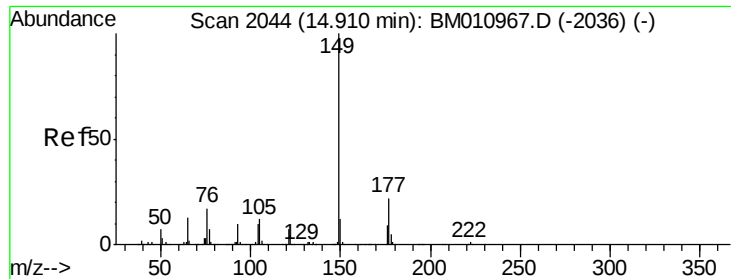
Tot Ion:166 Resp: 2605338  
 Ion Ratio Lower Upper  
 166 100  
 165 97.5 79.0 118.4  
 167 13.6 10.3 15.5



#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 60.08 ng  
 RT: 14.62 min Scan# 2012  
 Delta R.T. -0.06 min  
 Lab File: BM011167.D  
 Acq: 08 Aug 2017 00:08

Tgt Ion:232 Resp: 878272  
 Ion Ratio Lower Upper  
 232 100  
 131 40.7 0.0 0.0#  
 130 2.7 0.0 0.0#  
 166 29.1 0.0 0.0#

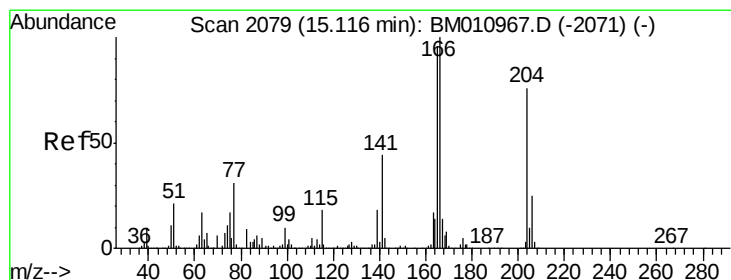
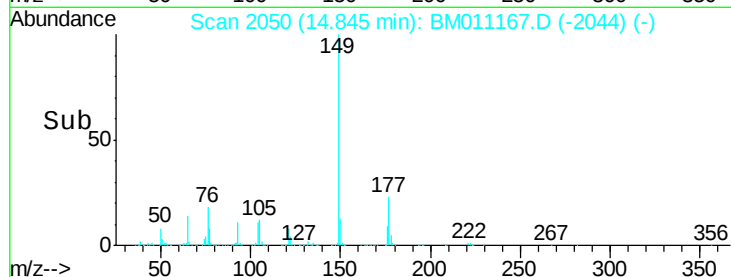
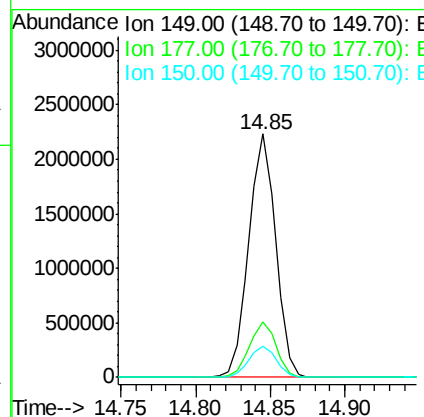
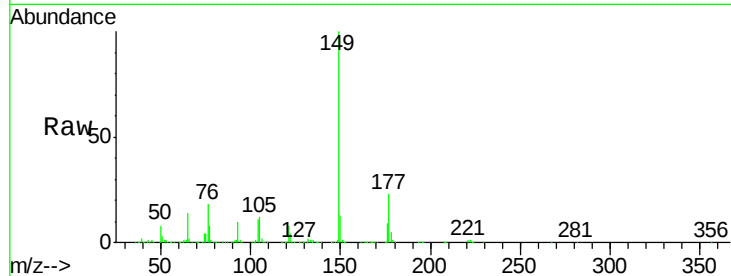




#59  
Diethylphthalate  
Concen: 54.52 ng  
RT: 14.85 min Scan# 2050  
Delta R.T. -0.06 min  
Lab File: BM011167.D  
Acq: 08 Aug 2017 00:08

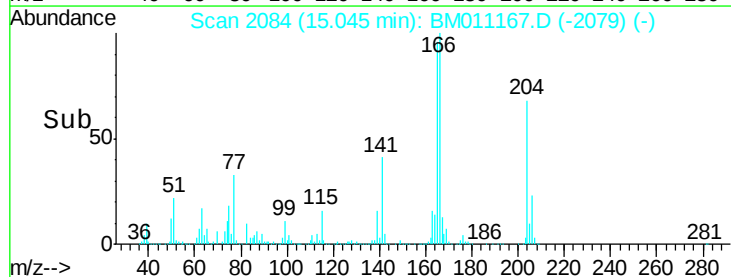
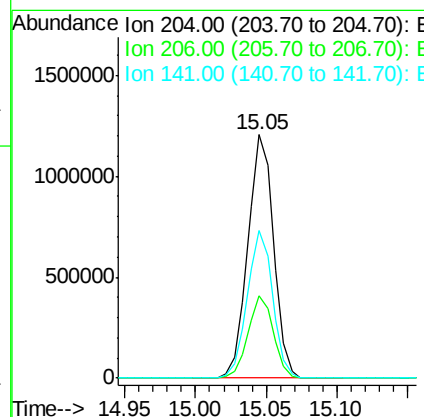
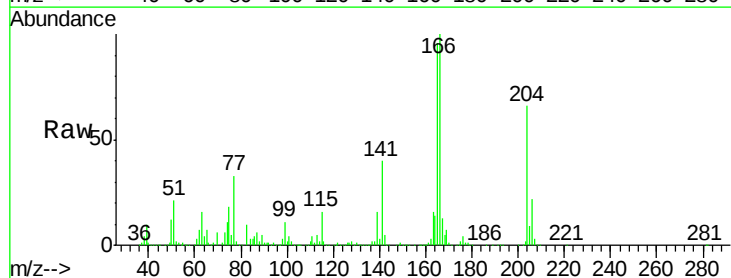
Instrument :  
BNA\_M  
ClientSampleId :  
15-50-RT3460-RT4215-RT3451MSD

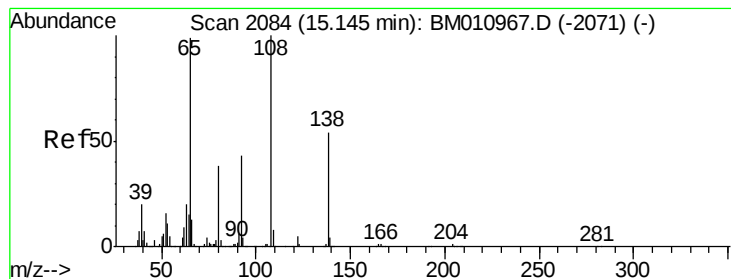
Tot Ion:149 Resp: 2773787  
Ion Ratio Lower Upper  
149 100  
177 22.7 18.3 27.5  
150 12.7 9.8 14.8



#60  
4-Chlorophenyl-phenylether  
Concen: 52.85 ng  
RT: 15.05 min Scan# 2084  
Delta R.T. -0.07 min  
Lab File: BM011167.D  
Acq: 08 Aug 2017 00:08

Tgt Ion:204 Resp: 1543287  
Ion Ratio Lower Upper  
204 100  
206 33.7 26.6 39.8  
141 60.6 45.2 67.8





#61

4-Nitroaniline

Concen: 37.89 ng

RT: 15.08 min Scan# 2090

Delta R.T. -0.06 min

Lab File: BM011167.D

Acq: 08 Aug 2017 00:08

Instrument :

BNA\_M

ClientSampleId :

15-50-RT3460-RT4215-RT3451MSD

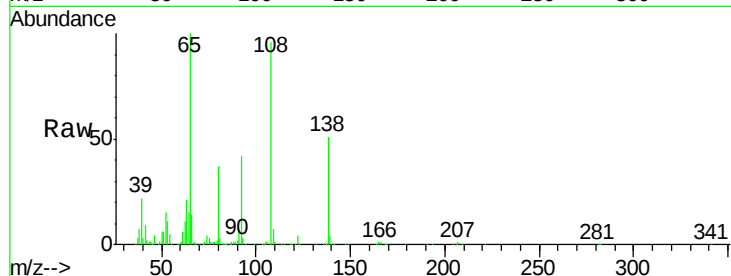
Tot Ion:138 Resp: 351790

Ion Ratio Lower Upper

138 100

92 83.7 16.7 56.7#

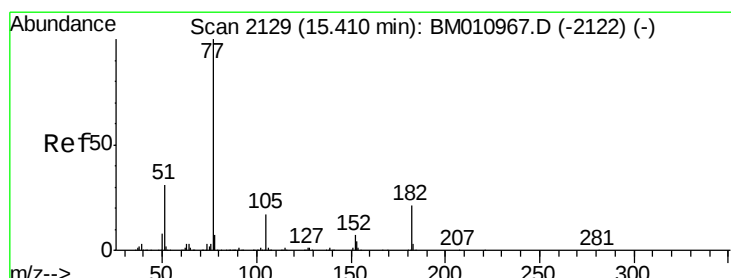
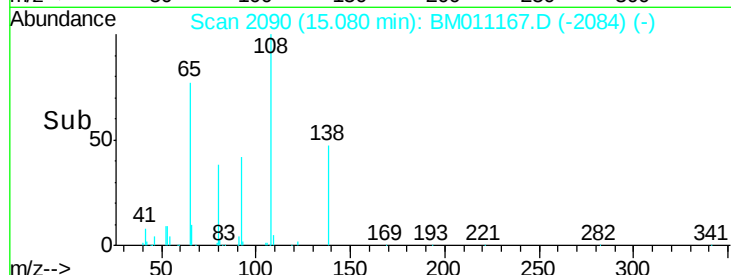
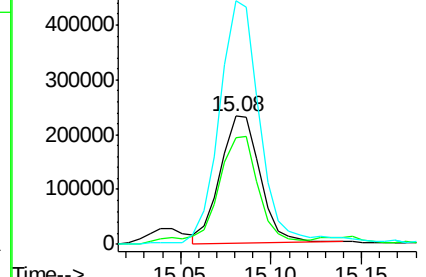
108 190.0 37.6 77.6#



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: 66.91 ng

RT: 15.34 min Scan# 2134

Delta R.T. -0.07 min

Lab File: BM011167.D

Acq: 08 Aug 2017 00:08

Tgt Ion: 77 Resp: 3642948

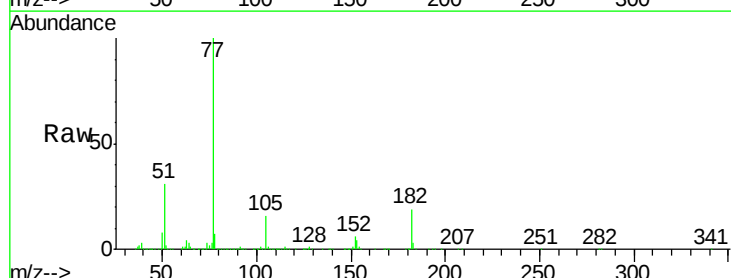
Ion Ratio Lower Upper

77 100

182 19.4 6.5 46.5

105 15.6 3.8 43.8

51 30.7 5.5 45.5

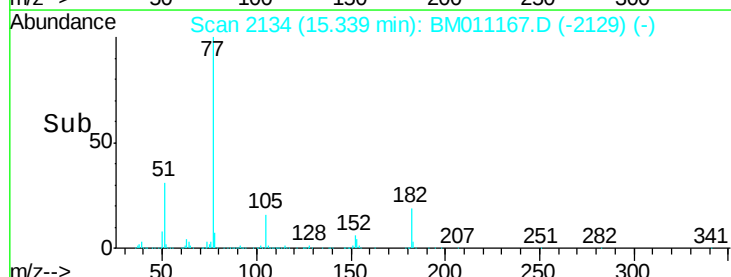
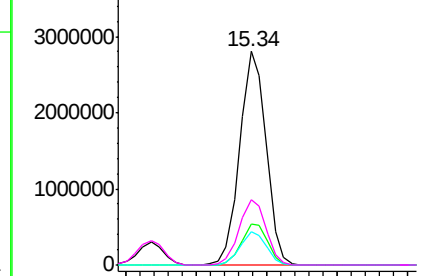


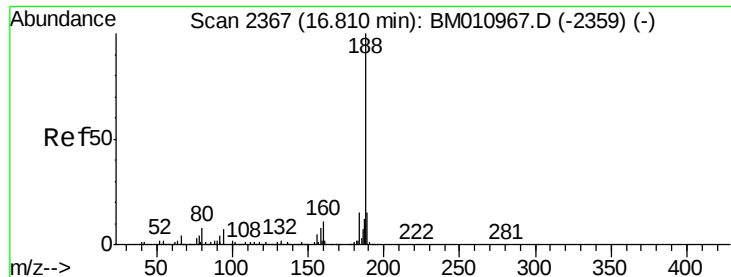
Abundance Ion 77.00 (76.70 to 77.70): BM0

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

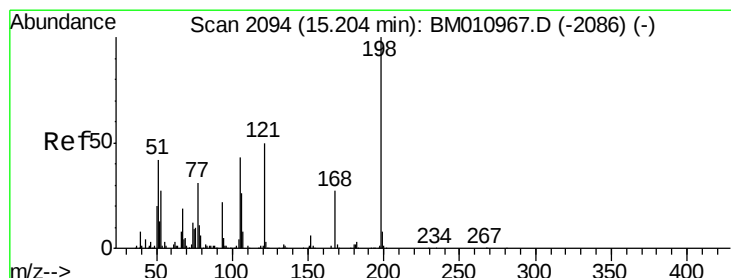
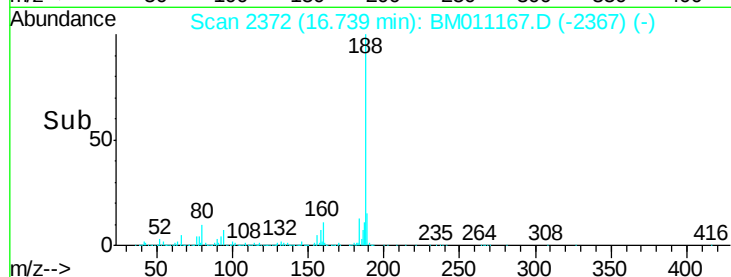
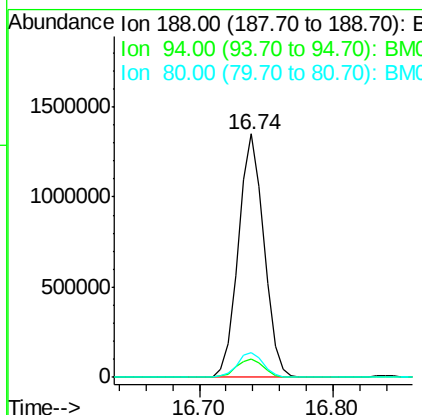
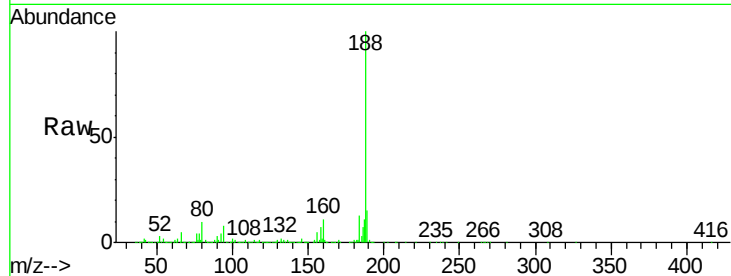




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 16.74 min Scan# 2372  
Delta R.T. -0.07 min  
Lab File: BM011167.D  
Acq: 08 Aug 2017 00:08

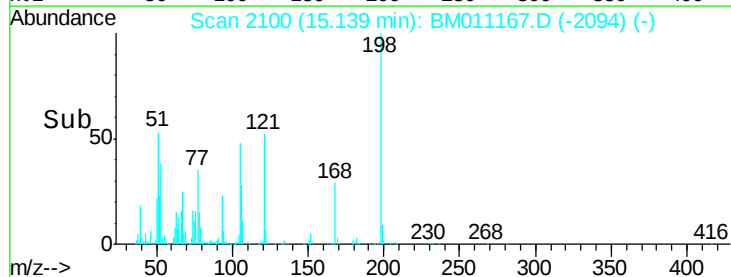
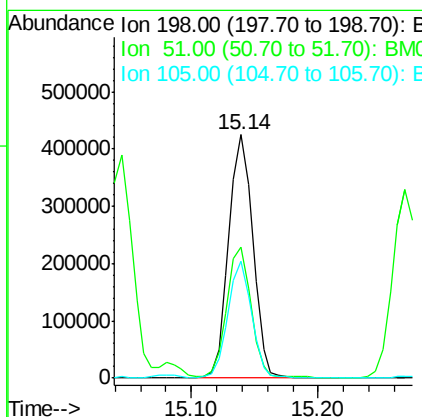
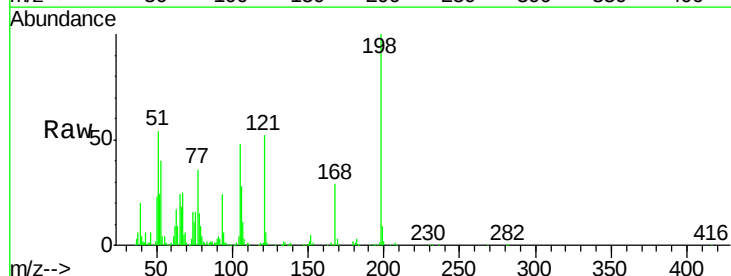
Instrument :  
BNA\_M  
ClientSampleId :  
15-50-RT3460-RT4215-RT3451MSD

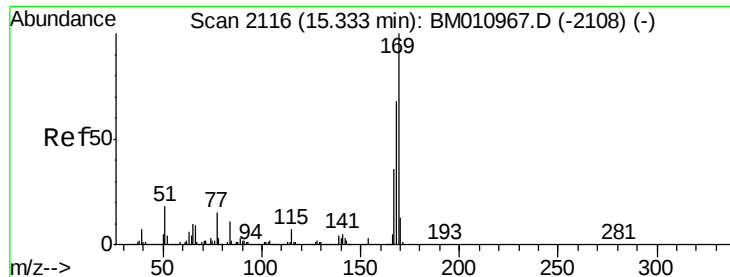
Tot Ion:188 Resp: 1786715  
Ion Ratio Lower Upper  
188 100  
94 7.6 8.7 13.1#  
80 10.1 9.3 13.9



#64  
4,6-Dinitro-2-methylphenol  
Concen: 46.58 ng  
RT: 15.14 min Scan# 2100  
Delta R.T. -0.06 min  
Lab File: BM011167.D  
Acq: 08 Aug 2017 00:08

Tgt Ion:198 Resp: 563408  
Ion Ratio Lower Upper  
198 100  
51 53.9 28.8 68.8  
105 47.8 30.5 70.5

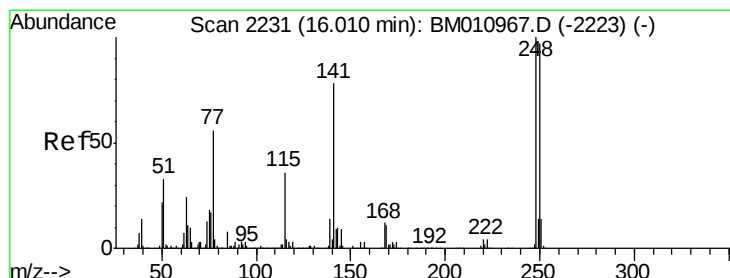
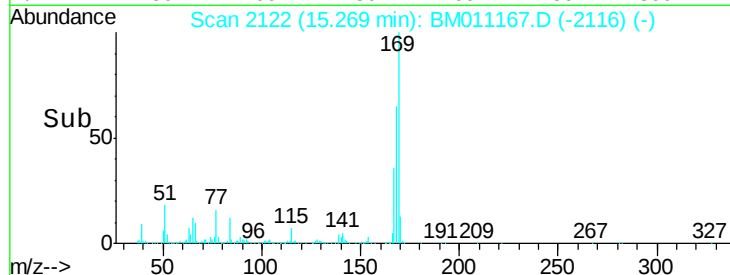
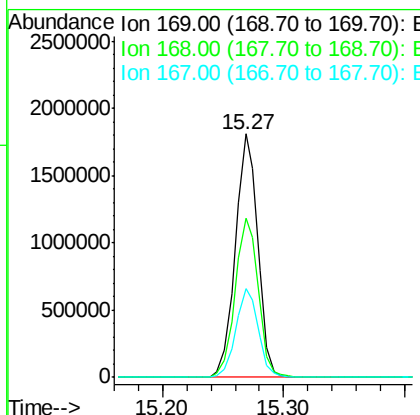
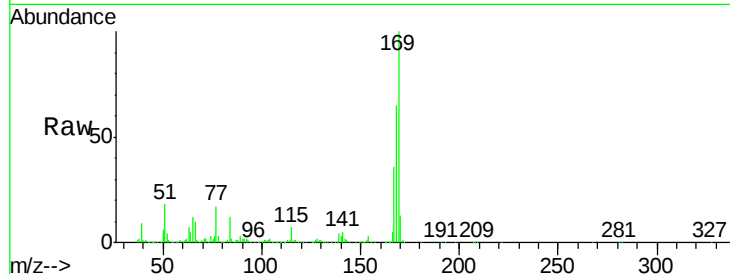




#65  
 n-Nitrosodiphenylamine  
 Concen: 45.61 ng  
 RT: 15.27 min Scan# 2122  
 Delta R.T. -0.06 min  
 Lab File: BM011167.D  
 Acq: 08 Aug 2017 00:08

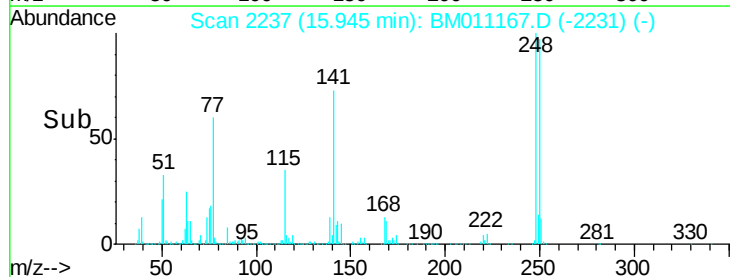
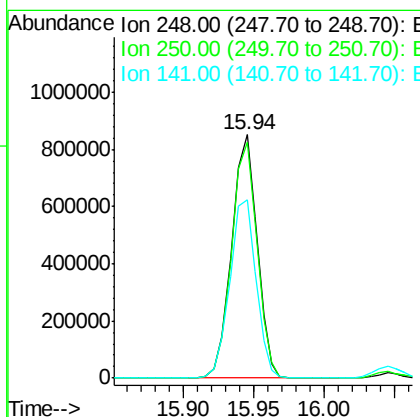
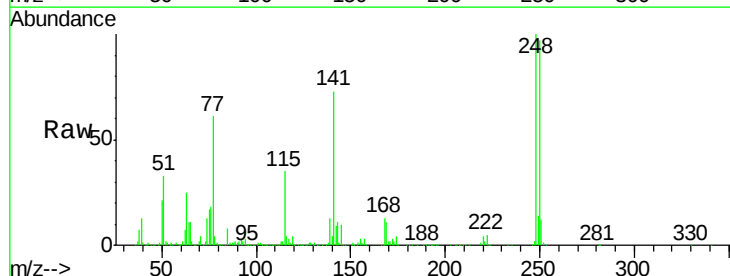
Instrument :  
 BNA\_M  
 ClientSampleId :  
 15-50-RT3460-RT4215-RT3451MSD

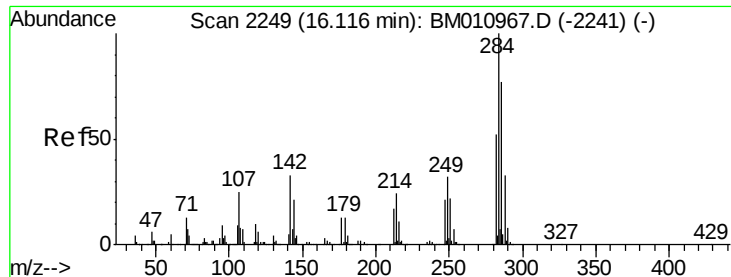
Tot Ion:169 Resp: 2332114  
 Ion Ratio Lower Upper  
 169 100  
 168 65.4 53.9 80.9  
 167 36.3 28.9 43.3



#66  
 4-Bromophenyl-phenylether  
 Concen: 46.66 ng  
 RT: 15.94 min Scan# 2237  
 Delta R.T. -0.06 min  
 Lab File: BM011167.D  
 Acq: 08 Aug 2017 00:08

Tgt Ion:248 Resp: 1071784  
 Ion Ratio Lower Upper  
 248 100  
 250 96.8 77.4 116.0  
 141 73.4 45.2 67.8#





#67

Hexachlorobenzene

Concen: 43.79 ng

RT: 16.04 min Scan# 2254

Delta R.T. -0.07 min

Lab File: BM011167.D

Acq: 08 Aug 2017 00:08

Instrument :

BNA\_M

ClientSampleId :

15-50-RT3460-RT4215-RT3451MSD

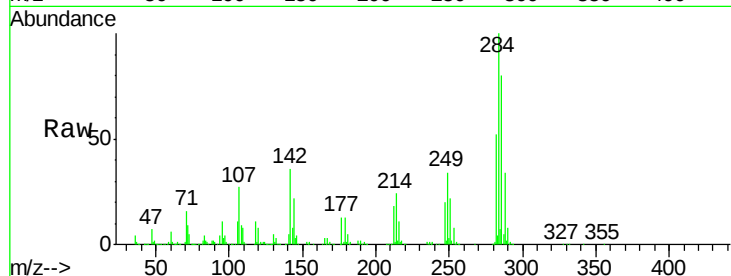
Tot Ion:284 Resp: 1136529

Ion Ratio Lower Upper

284 100

142 35.9 20.4 30.6#

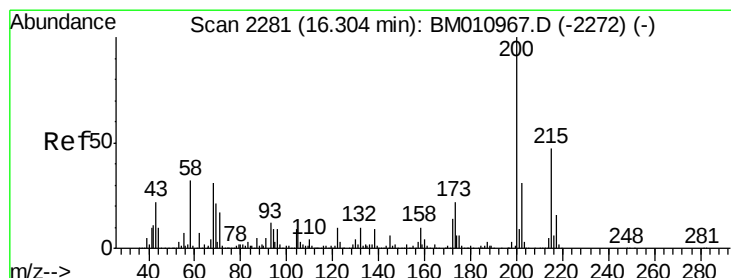
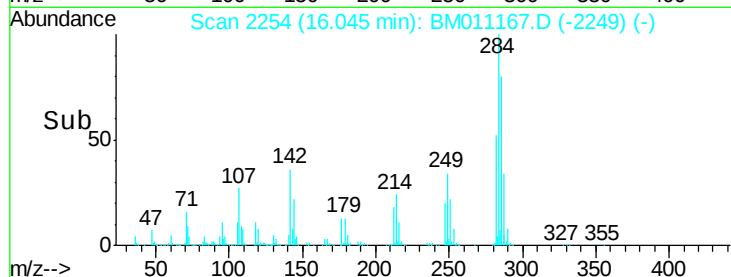
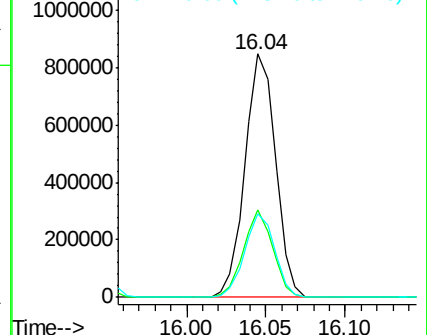
249 34.2 23.8 35.6



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: 51.00 ng

RT: 16.24 min Scan# 2287

Delta R.T. -0.06 min

Lab File: BM011167.D

Acq: 08 Aug 2017 00:08

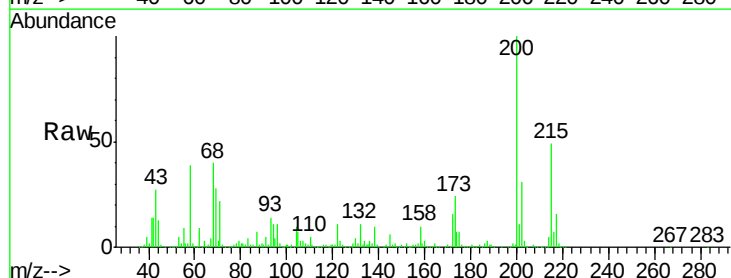
Tgt Ion:200 Resp: 1045112

Ion Ratio Lower Upper

200 100

173 23.7 4.8 44.8

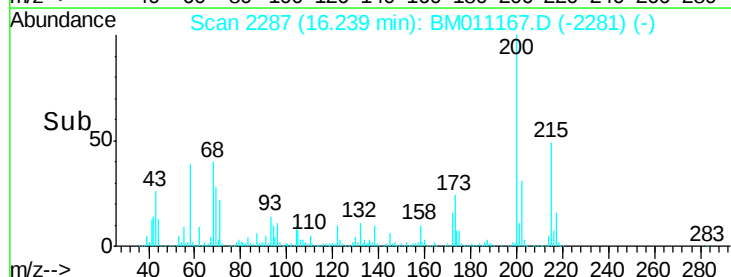
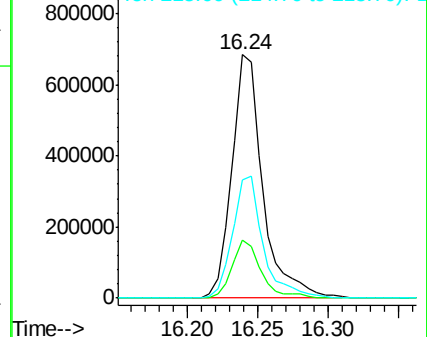
215 48.7 26.9 66.9

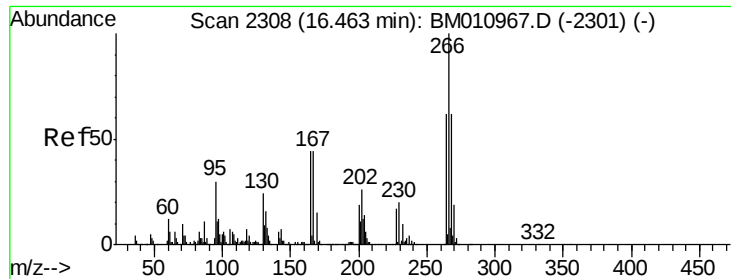


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

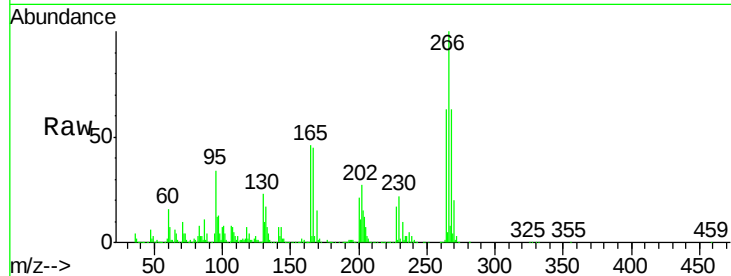




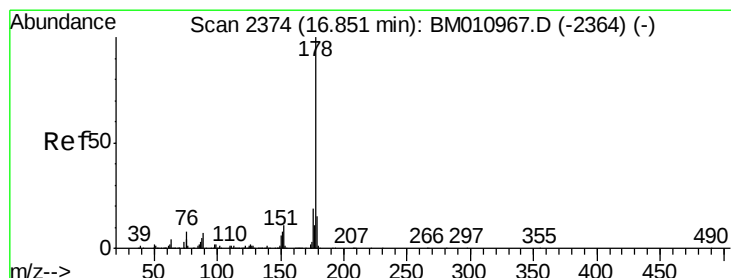
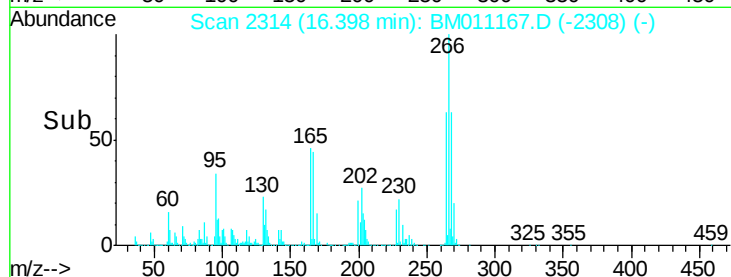
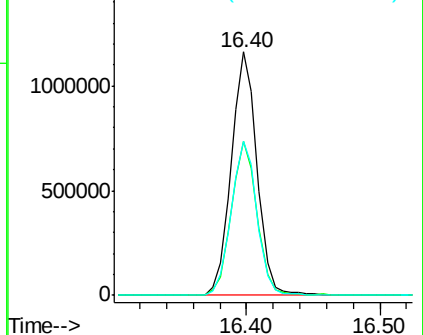
#69  
 Pentachlorophenol  
 Concen: 95.16 ng  
 RT: 16.40 min Scan# 2314  
 Delta R.T. -0.06 min  
 Lab File: BM011167.D  
 Acq: 08 Aug 2017 00:08

Instrument :  
 BNA\_M  
 ClientSampleId :  
 15-50-RT3460-RT4215-RT3451MSD

Tot Ion:266 Resp: 1568091  
 Ion Ratio Lower Upper  
 266 100  
 268 63.4 52.0 78.0  
 264 63.2 49.0 73.4

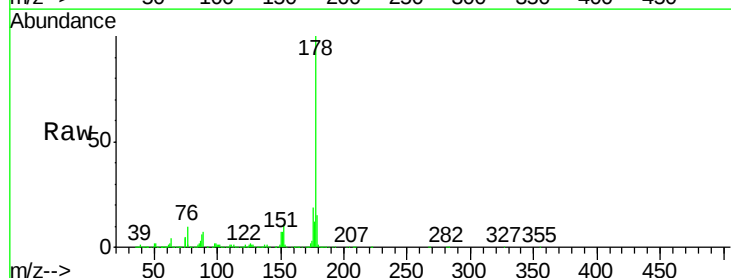


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

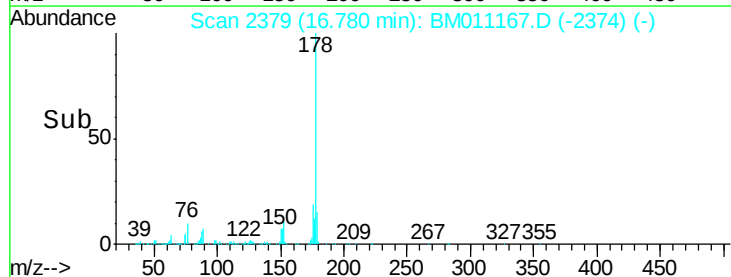
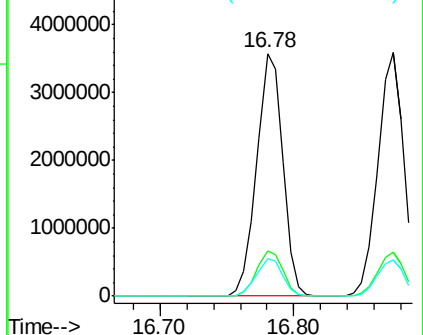


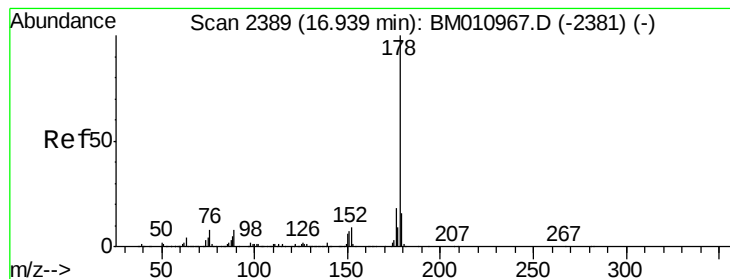
#70  
 Phenanthrene  
 Concen: 51.25 ng  
 RT: 16.78 min Scan# 2379  
 Delta R.T. -0.07 min  
 Lab File: BM011167.D  
 Acq: 08 Aug 2017 00:08

Tgt Ion:178 Resp: 4794534  
 Ion Ratio Lower Upper  
 178 100  
 176 18.9 15.2 22.8  
 179 15.3 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: 51.26 ng

RT: 16.87 min Scan# 2395

Delta R.T. -0.06 min

Lab File: BM011167.D

Acq: 08 Aug 2017 00:08

Instrument :

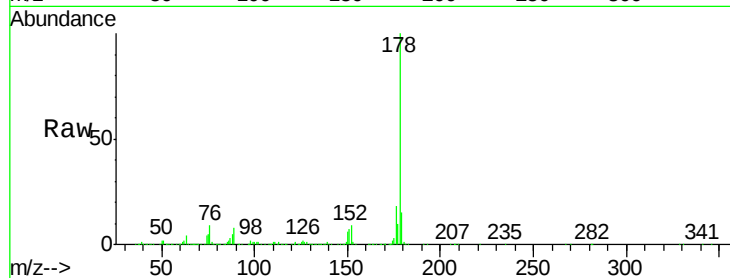
BNA\_M

ClientSampleId :

15-50-RT3460-RT4215-RT3451MSD

Tot Ion:178 Resp: 4782966

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 176 | 18.0  | 14.6  | 22.0  |
| 179 | 15.0  | 12.6  | 19.0  |

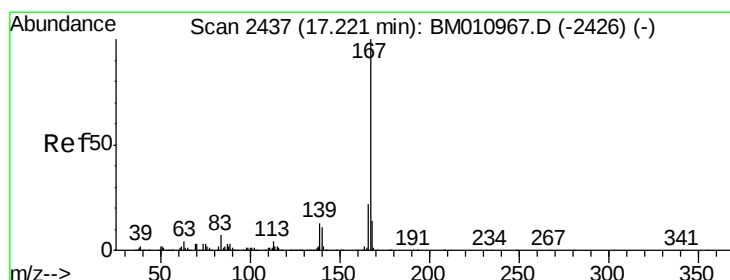
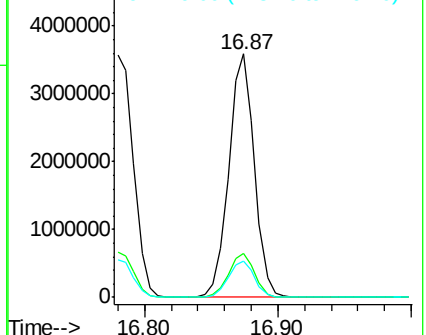
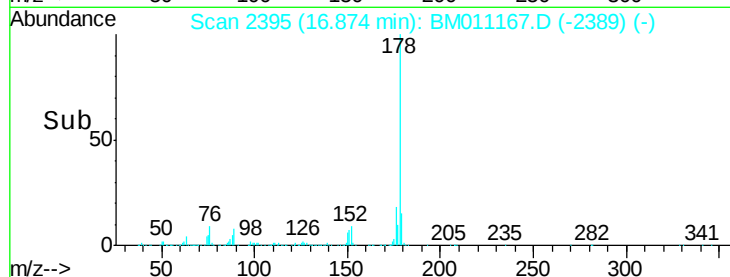


Abundance

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: 47.71 ng

RT: 17.16 min Scan# 2443

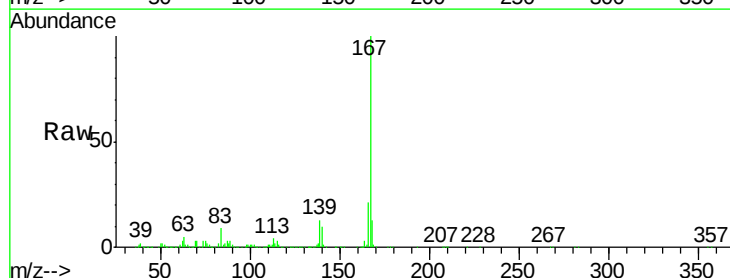
Delta R.T. -0.06 min

Lab File: BM011167.D

Acq: 08 Aug 2017 00:08

Tgt Ion:167 Resp: 3892980

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 167 | 100   |       |       |
| 166 | 20.8  | 17.2  | 25.8  |
| 139 | 12.7  | 10.8  | 16.2  |

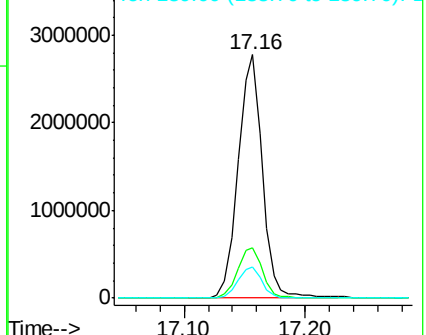
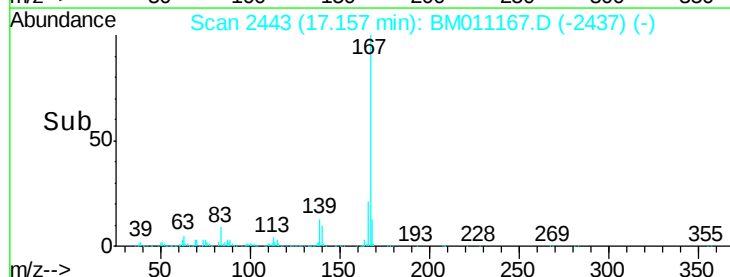


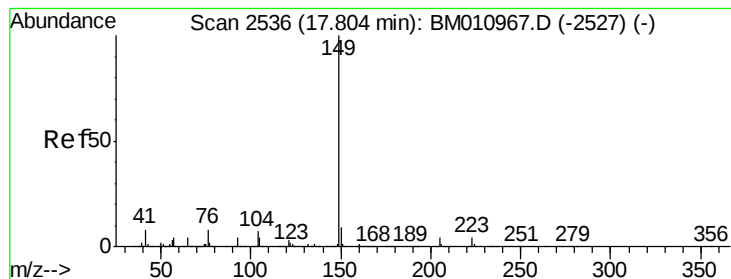
Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 51.63 ng

RT: 17.74 min Scan# 2542

Delta R.T. -0.06 min

Lab File: BM011167.D

Acq: 08 Aug 2017 00:08

Instrument :

BNA\_M

ClientSampleId :

15-50-RT3460-RT4215-RT3451MSD

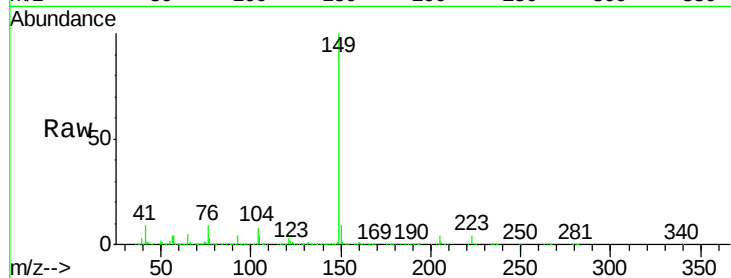
Tot Ion:149 Resp: 5130129

Ion Ratio Lower Upper

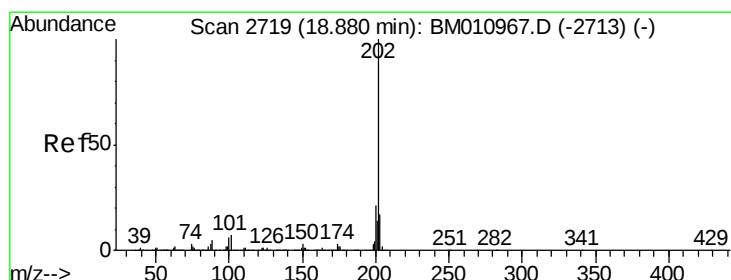
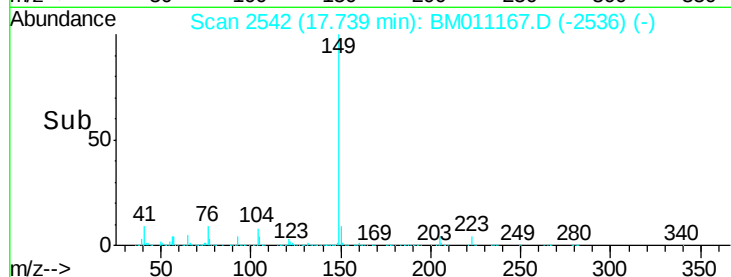
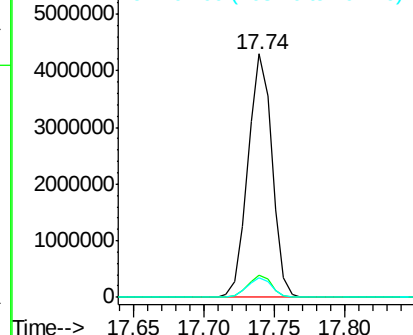
149 100

150 9.2 7.5 11.3

104 8.2 3.7 5.5#



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



#74

Fluoranthene

Concen: 55.90 ng

RT: 18.82 min Scan# 2725

Delta R.T. -0.06 min

Lab File: BM011167.D

Acq: 08 Aug 2017 00:08

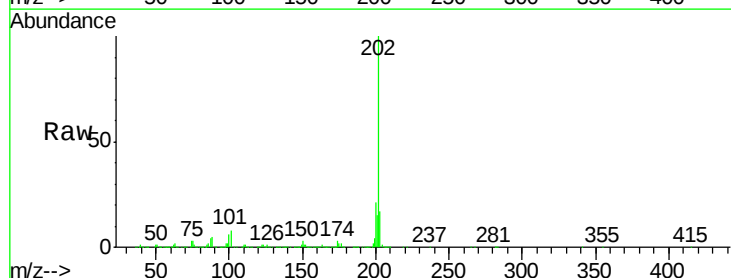
Tgt Ion:202 Resp: 6481135

Ion Ratio Lower Upper

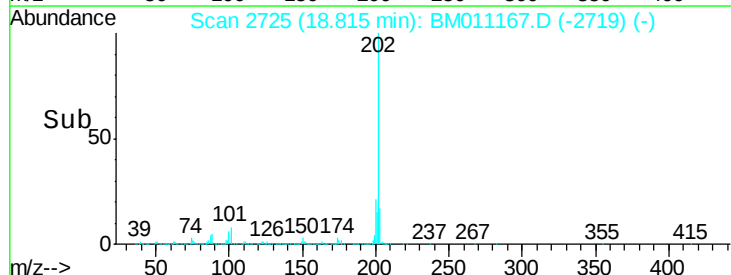
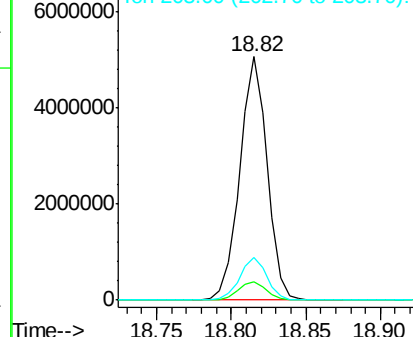
202 100

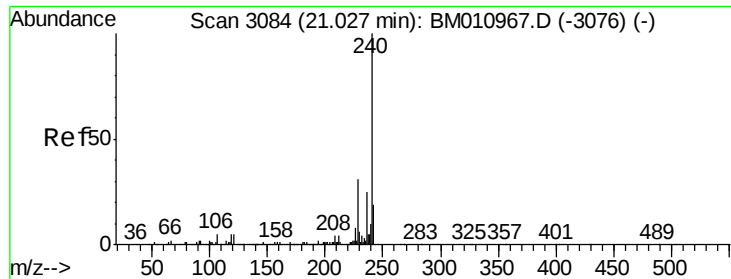
101 7.8 0.0 28.7

203 17.5 0.0 37.2



Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 101.00 (100.70 to 101.70): E  
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 20.97 min Scan# 3091

Delta R.T. -0.06 min

Lab File: BM011167.D

Acq: 08 Aug 2017 00:08

Instrument :

BNA\_M

ClientSampleId :

15-50-RT3460-RT4215-RT3451MSD

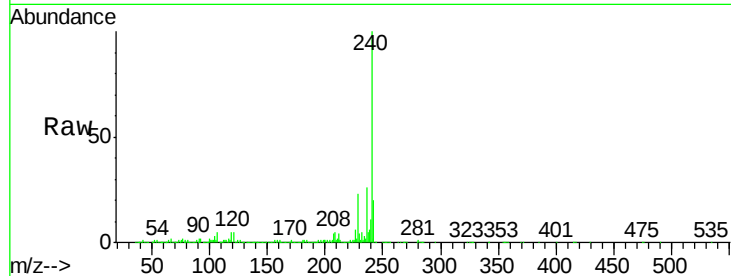
Tot Ion:240 Resp: 2227368

Ion Ratio Lower Upper

240 100

120 5.5 8.2 12.2#

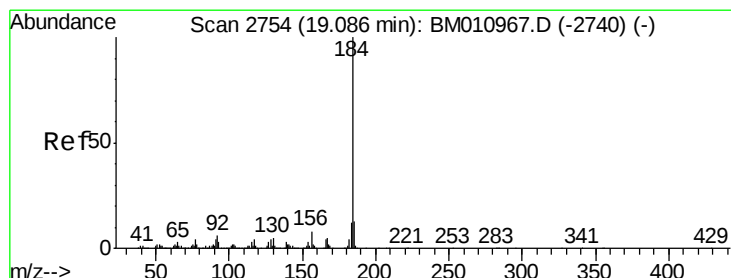
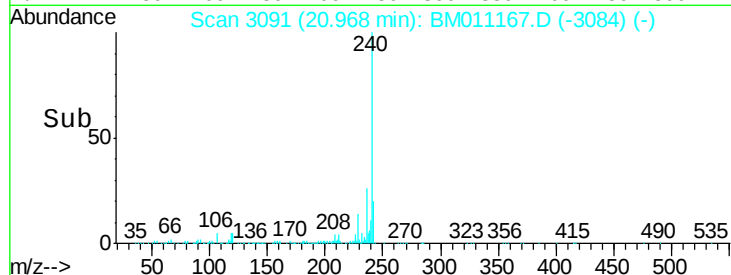
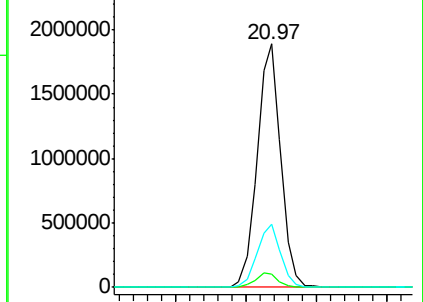
236 25.9 20.0 30.0



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 21.54 ng

RT: 19.03 min Scan# 2762

Delta R.T. -0.05 min

Lab File: BM011167.D

Acq: 08 Aug 2017 00:08

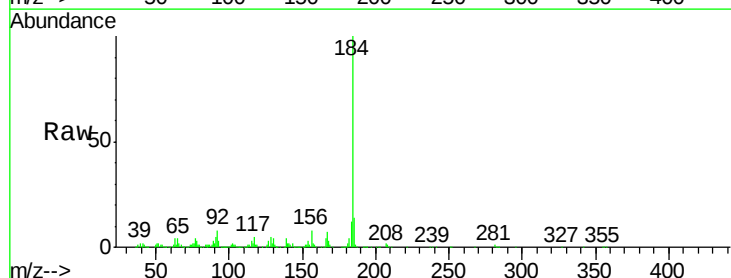
Tgt Ion:184 Resp: 1147999

Ion Ratio Lower Upper

184 100

185 14.3 11.3 16.9

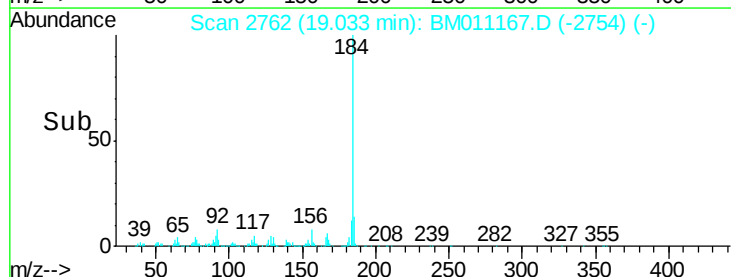
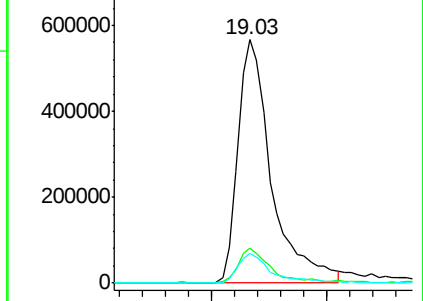
183 12.4 8.9 13.3

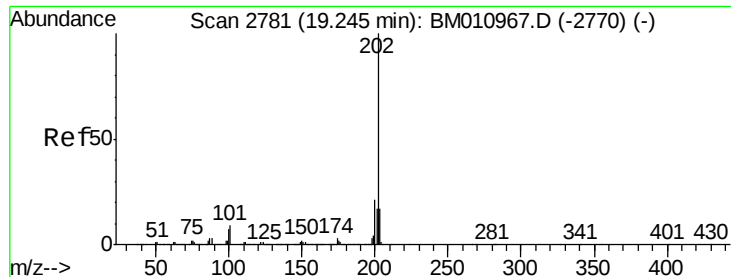


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 50.75 ng

RT: 19.18 min Scan# 2787

Delta R.T. -0.06 min

Lab File: BM011167.D

Acq: 08 Aug 2017 00:08

Instrument :

BNA\_M

ClientSampleId :

15-50-RT3460-RT4215-RT3451MSD

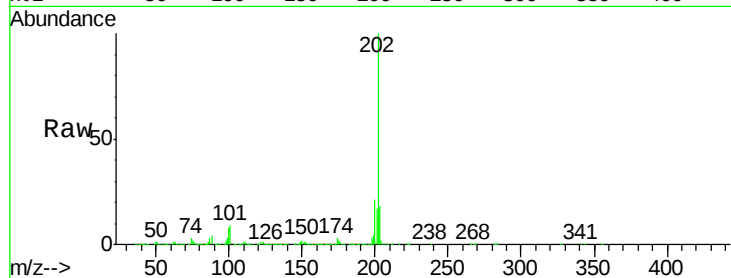
Tot Ion:202 Resp: 6716061

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 200 | 20.8  | 16.9  | 25.3  |
| 203 | 17.7  | 14.1  | 21.1  |

202 100

200 20.8 16.9 25.3

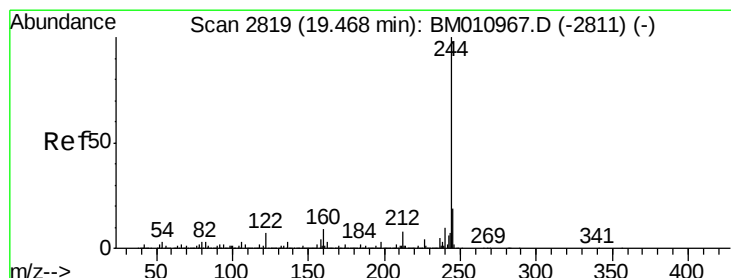
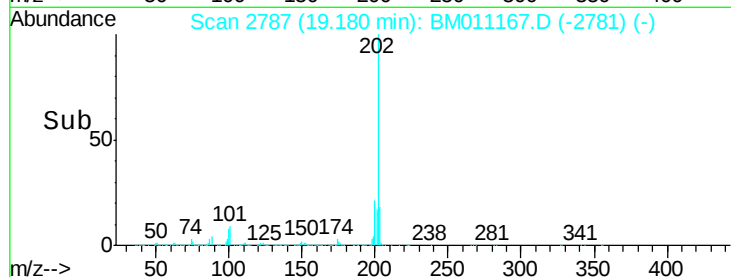
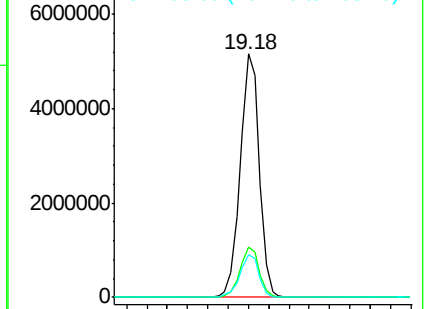
203 17.7 14.1 21.1



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: 91.10 ng

RT: 19.41 min Scan# 2826

Delta R.T. -0.06 min

Lab File: BM011167.D

Acq: 08 Aug 2017 00:08

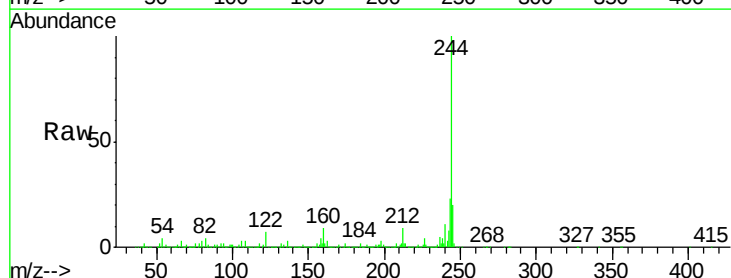
Tgt Ion:244 Resp:10244020

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 8.5   | 4.9   | 7.3#  |
| 122 | 7.1   | 6.2   | 9.4   |

244 100

212 8.5 4.9 7.3#

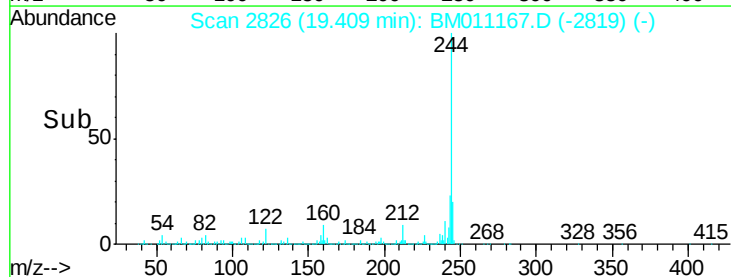
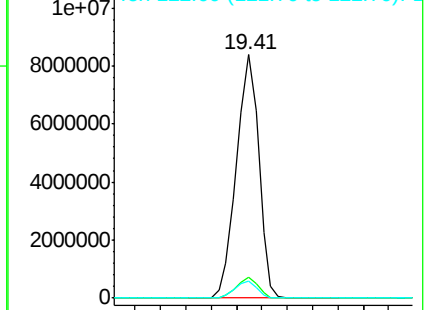
122 7.1 6.2 9.4

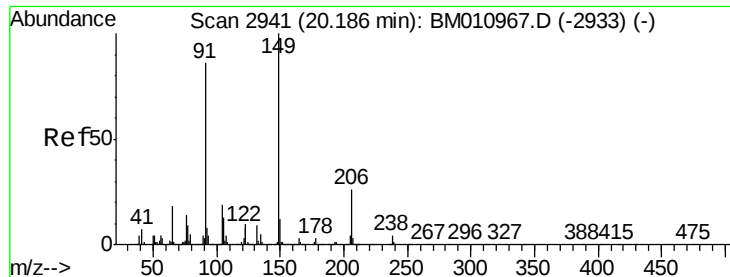


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

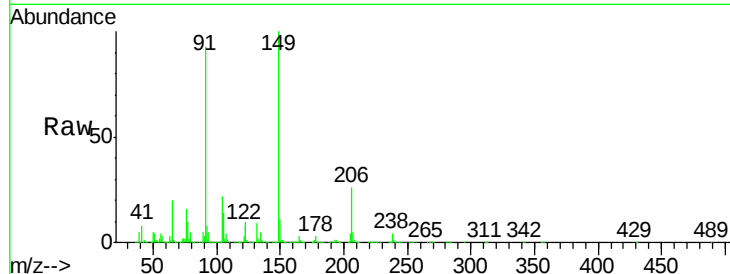




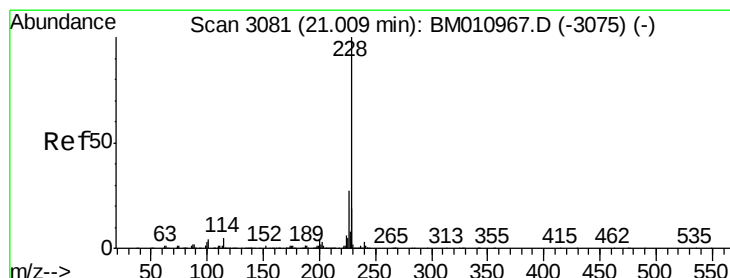
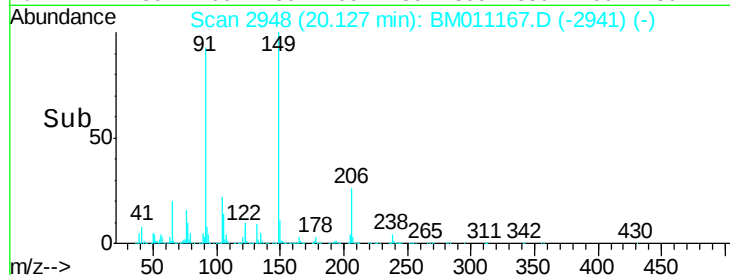
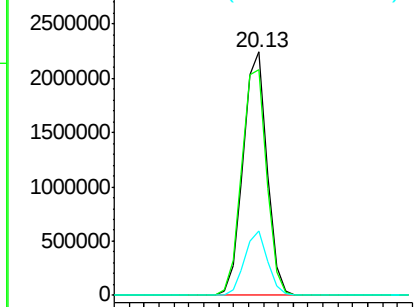
#79  
Butylbenzylphthalate  
Concen: 52.71 ng  
RT: 20.13 min Scan# 2948  
Delta R.T. -0.06 min  
Lab File: BM011167.D  
Acq: 08 Aug 2017 00:08

Instrument :  
BNA\_M  
ClientSampleId :  
15-50-RT3460-RT4215-RT3451MSD

Tot Ion:149 Resp: 2480721  
Ion Ratio Lower Upper  
149 100  
91 92.9 50.1 75.1#  
206 26.4 16.2 24.2#

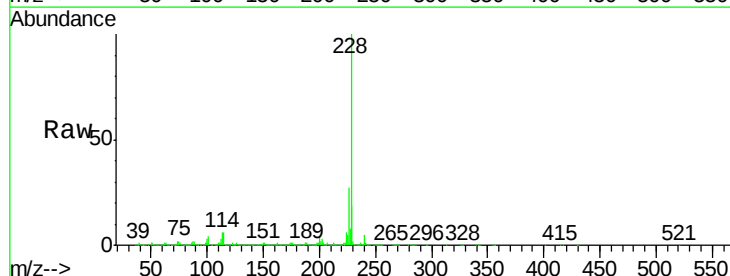


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 91.00 (90.70 to 91.70): BM0  
Ion 206.00 (205.70 to 206.70): E

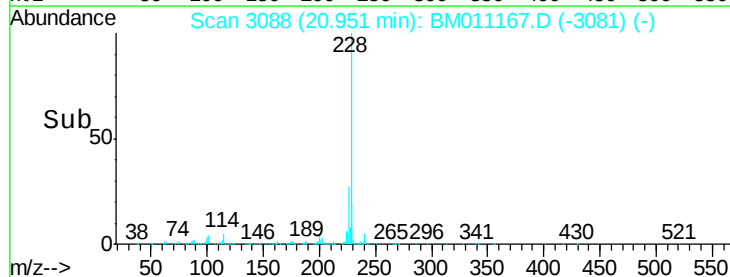
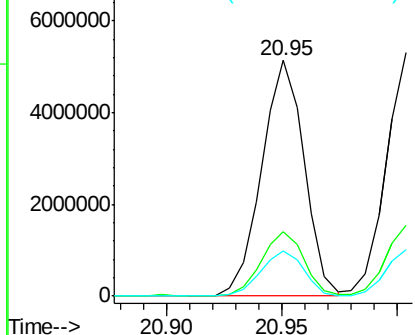


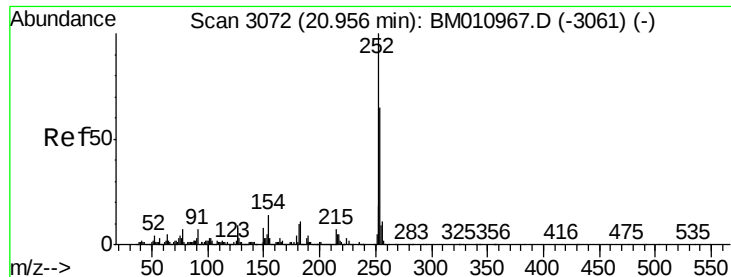
#80  
Benzo(a)anthracene  
Concen: 51.57 ng  
RT: 20.95 min Scan# 3088  
Delta R.T. -0.06 min  
Lab File: BM011167.D  
Acq: 08 Aug 2017 00:08

Tgt Ion:228 Resp: 6558931  
Ion Ratio Lower Upper  
228 100  
226 27.1 21.7 32.5  
229 19.4 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E  
Ion 226.00 (225.70 to 226.70): E  
Ion 229.00 (228.70 to 229.70): E

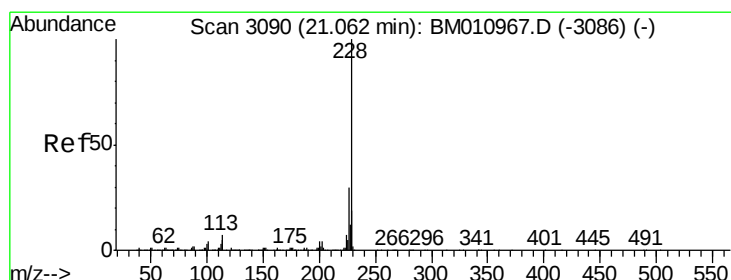
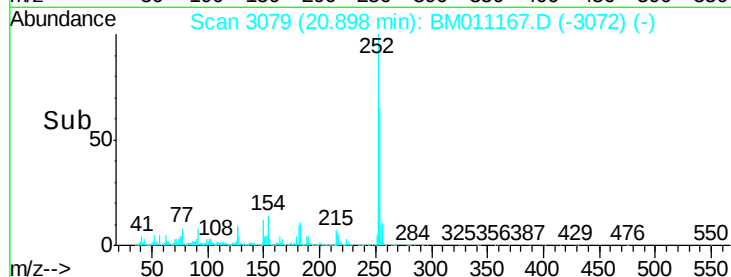
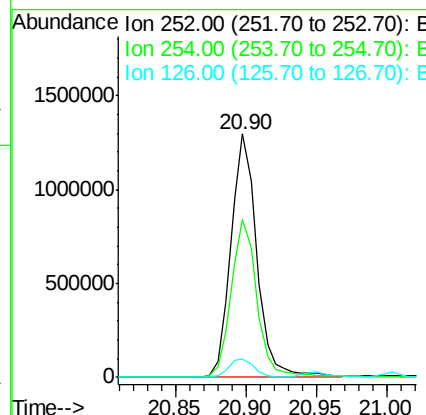
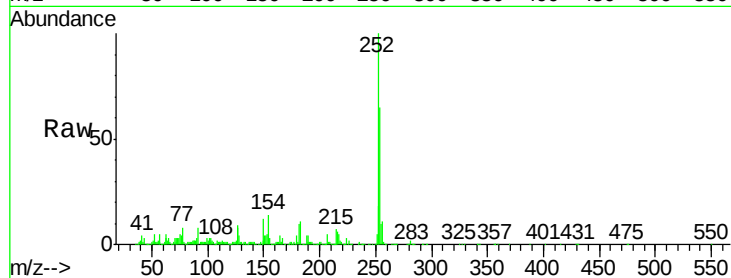




#81  
 3,3'-Dichlorobenzidine  
 Concen: 33.27 ng  
 RT: 20.90 min Scan# 3079  
 Delta R.T. -0.06 min  
 Lab File: BM011167.D  
 Acq: 08 Aug 2017 00:08

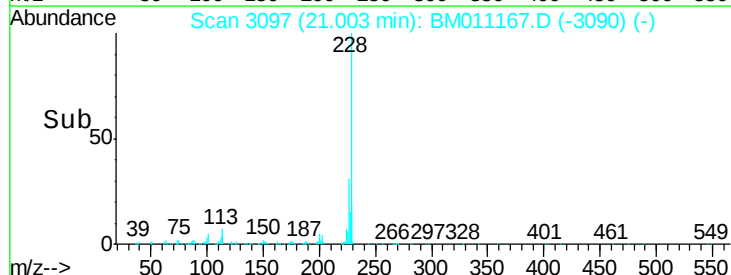
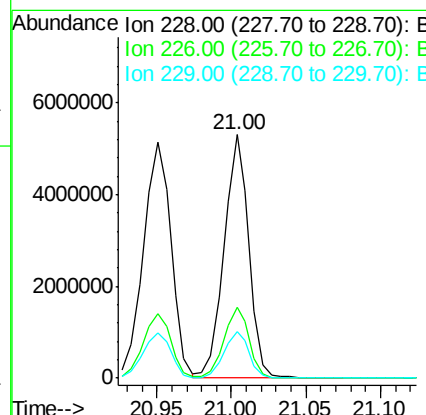
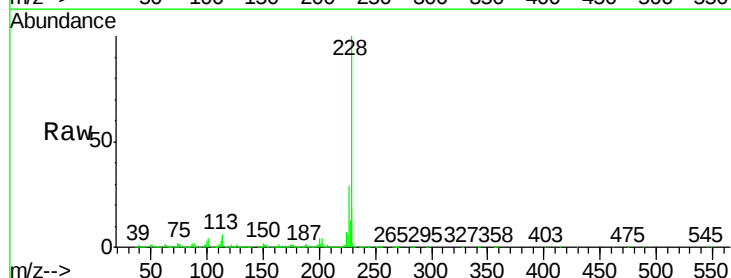
Instrument :  
 BNA\_M  
 ClientSampleId :  
 15-50-RT3460-RT4215-RT3451MSD

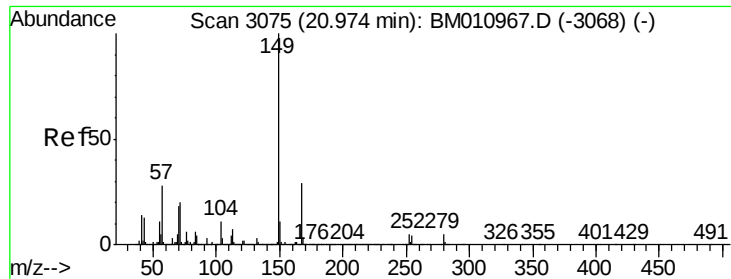
Tot Ion:252 Resp: 1659861  
 Ion Ratio Lower Upper  
 252 100  
 254 64.8 51.9 77.9  
 126 7.8 9.8 14.8#



#82  
 Chrysene  
 Concen: 50.49 ng  
 RT: 21.00 min Scan# 3097  
 Delta R.T. -0.06 min  
 Lab File: BM011167.D  
 Acq: 08 Aug 2017 00:08

Tgt Ion:228 Resp: 6163684  
 Ion Ratio Lower Upper  
 228 100  
 226 29.2 24.1 36.1  
 229 19.3 15.5 23.3

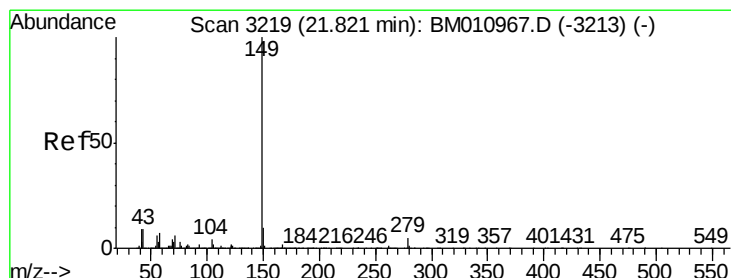
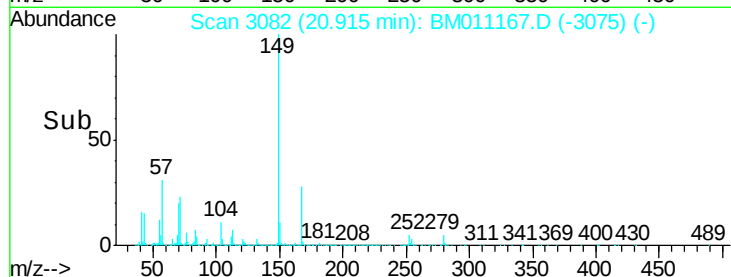
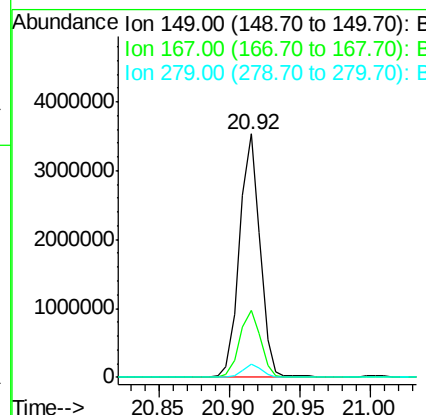
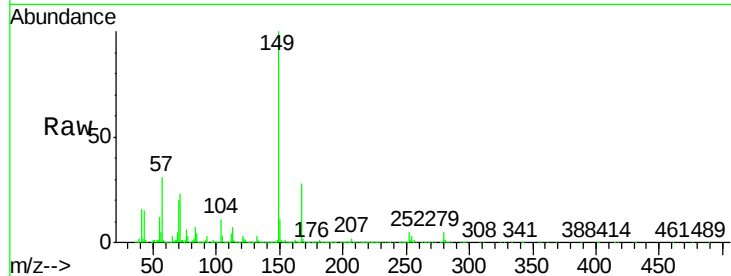




#83  
Bis(2-ethylhexyl)phthalate  
Concen: 51.49 ng  
RT: 20.92 min Scan# 3082  
Delta R.T. -0.06 min  
Lab File: BM011167.D  
Acq: 08 Aug 2017 00:08

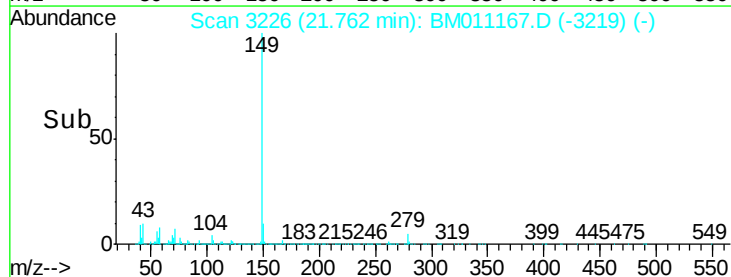
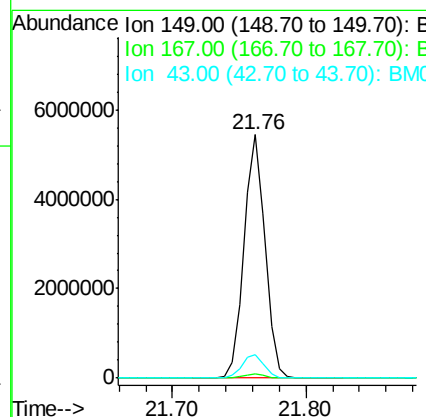
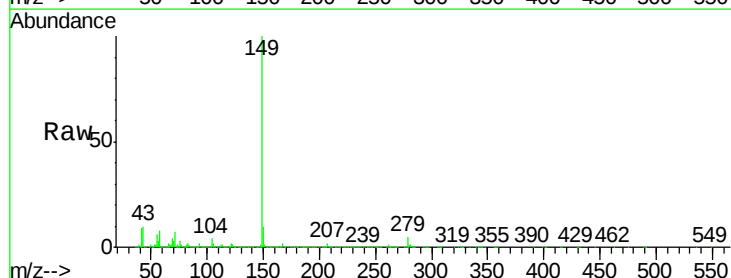
Instrument :  
BNA\_M  
ClientSampleId :  
15-50-RT3460-RT4215-RT3451MSD

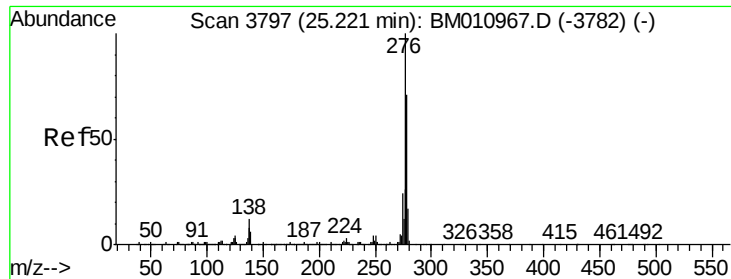
Tot Ion:149 Resp: 3564664  
Ion Ratio Lower Upper  
149 100  
167 27.6 22.4 33.6  
279 5.3 3.4 5.0#



#84  
Di-n-octyl phthalate  
Concen: 52.67 ng  
RT: 21.76 min Scan# 3226  
Delta R.T. -0.06 min  
Lab File: BM011167.D  
Acq: 08 Aug 2017 00:08

Tgt Ion:149 Resp: 5918196  
Ion Ratio Lower Upper  
149 100  
167 1.7 1.2 1.8  
43 10.2 7.3 10.9

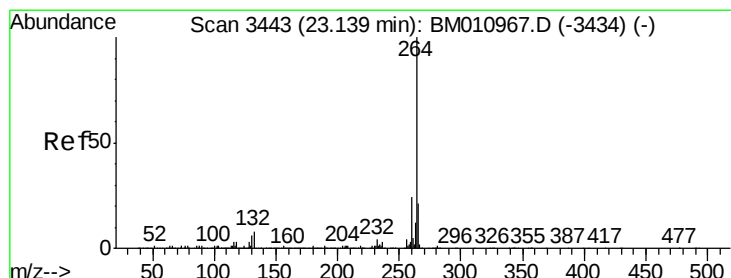
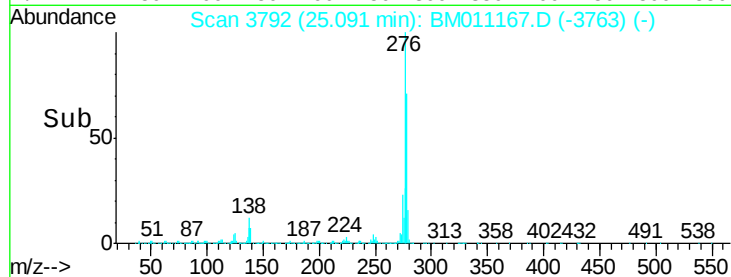
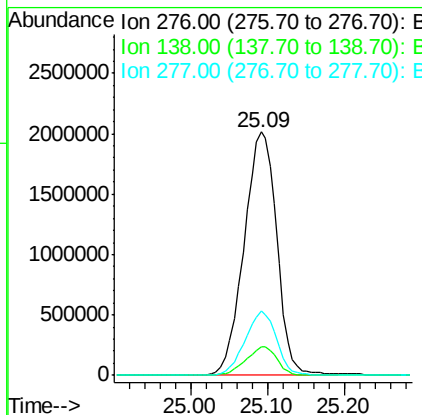
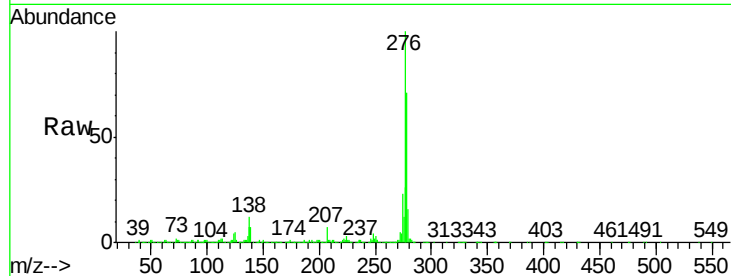




#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 47.40 ng  
 RT: 25.09 min Scan# 3792  
 Delta R.T. -0.13 min  
 Lab File: BM011167.D  
 Acq: 08 Aug 2017 00:08

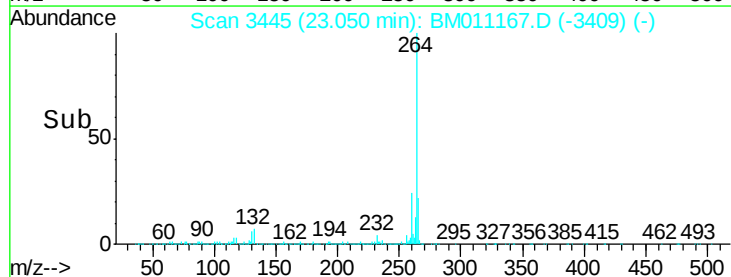
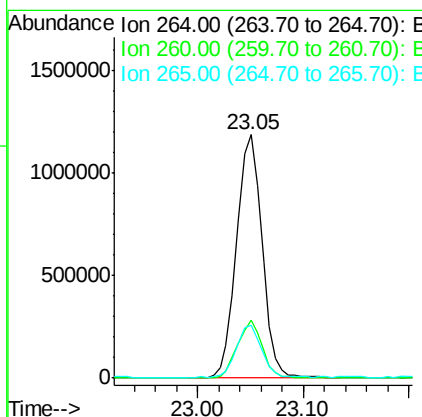
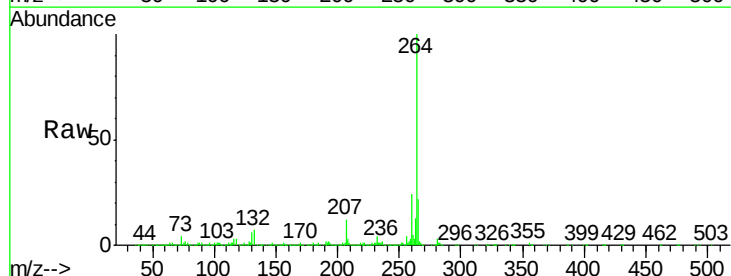
Instrument :  
 BNA\_M  
 ClientSampleId :  
 15-50-RT3460-RT4215-RT3451MSD

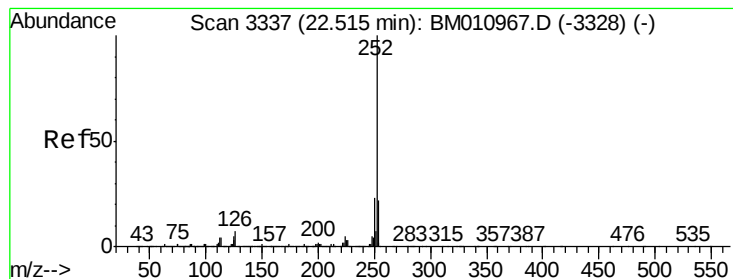
Tot Ion:276 Resp: 5992531  
 Ion Ratio Lower Upper  
 276 100  
 138 11.3 12.0 18.0#  
 277 25.6 20.0 30.0



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 23.05 min Scan# 3445  
 Delta R.T. -0.09 min  
 Lab File: BM011167.D  
 Acq: 08 Aug 2017 00:08

Tgt Ion:264 Resp: 1994956  
 Ion Ratio Lower Upper  
 264 100  
 260 24.0 18.6 27.8  
 265 21.9 17.3 25.9





#87

Benzo(b)fluoranthene

Concen: 51.90 ng

RT: 22.44 min Scan# 3341

Delta R.T. -0.08 min

Lab File: BM011167.D

Acq: 08 Aug 2017 00:08

Instrument :

BNA\_M

ClientSampleId :

15-50-RT3460-RT4215-RT3451MSD

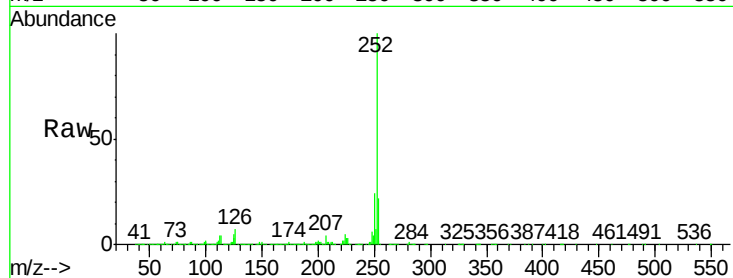
Tot Ion:252 Resp: 6645628

Ion Ratio Lower Upper

252 100

253 21.6 18.0 27.0

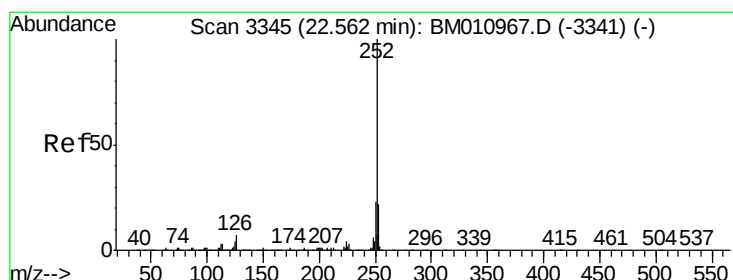
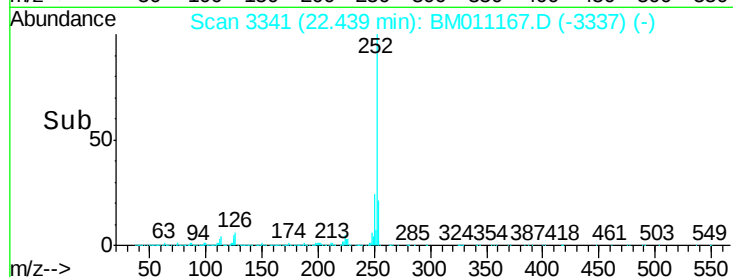
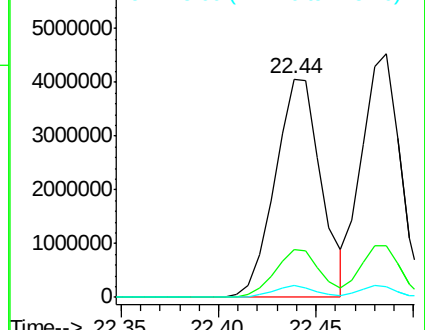
125 5.2 9.9 14.9#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 50.43 ng

RT: 22.49 min Scan# 3349

Delta R.T. -0.08 min

Lab File: BM011167.D

Acq: 08 Aug 2017 00:08

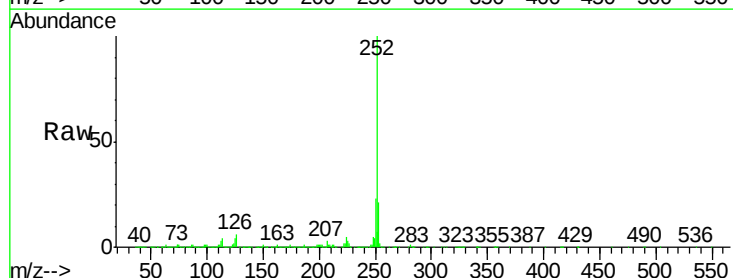
Tgt Ion:252 Resp: 6188946

Ion Ratio Lower Upper

252 100

253 21.4 17.2 25.8

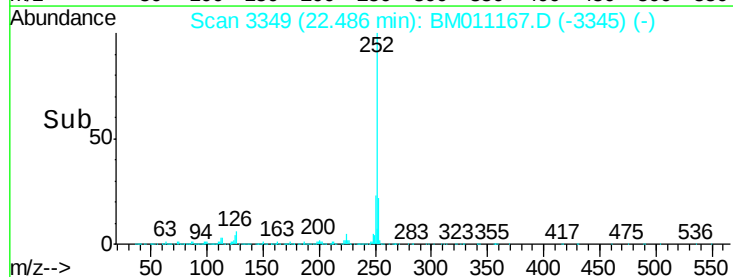
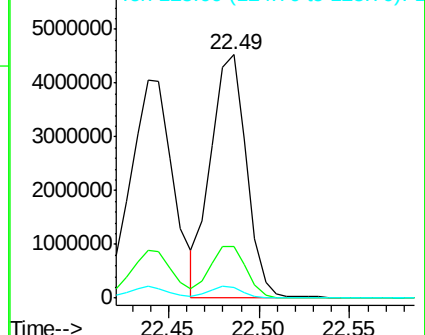
125 4.2 8.1 12.1#

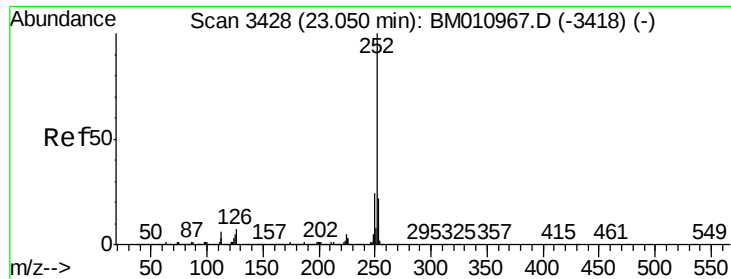


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

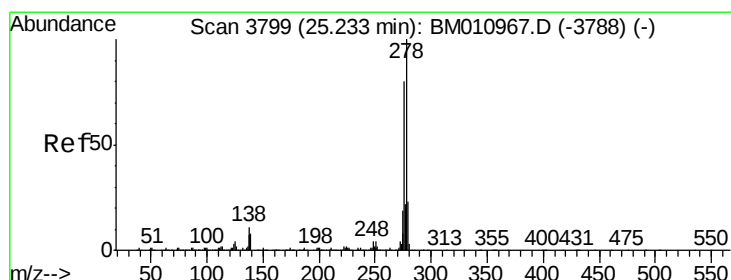
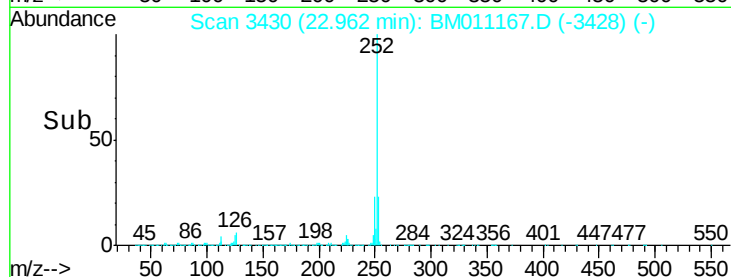
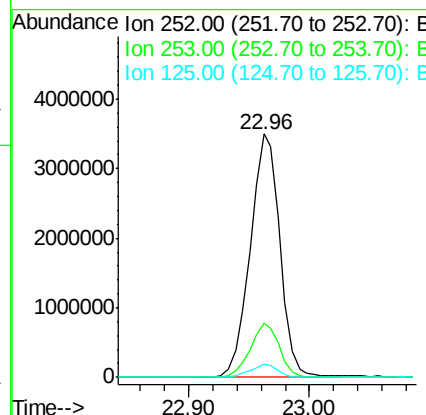
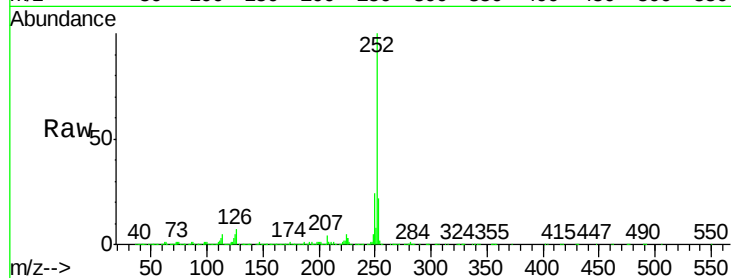




#89  
Benzo(a)pyrene  
Concen: 51.45 ng  
RT: 22.96 min Scan# 3430  
Delta R.T. -0.09 min  
Lab File: BM011167.D  
Acq: 08 Aug 2017 00:08

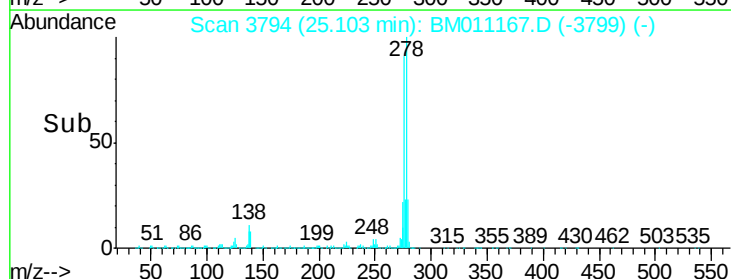
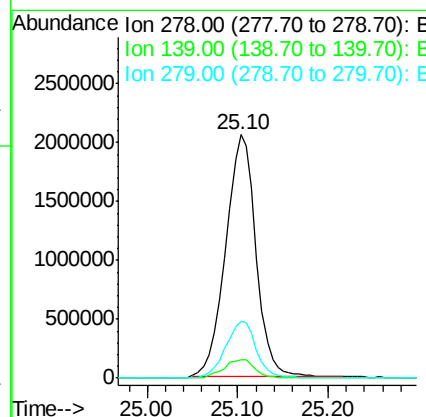
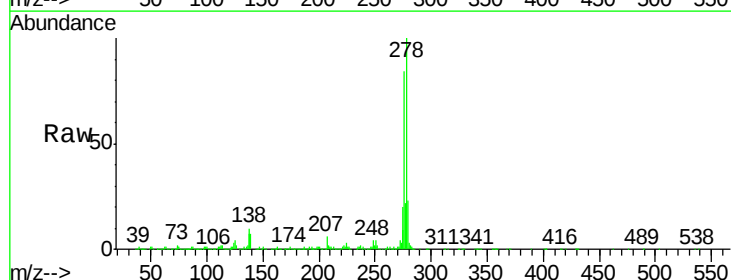
Instrument :  
BNA\_M  
ClientSampleId :  
15-50-RT3460-RT4215-RT3451MSD

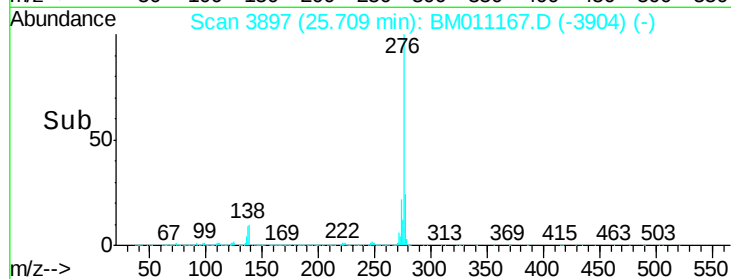
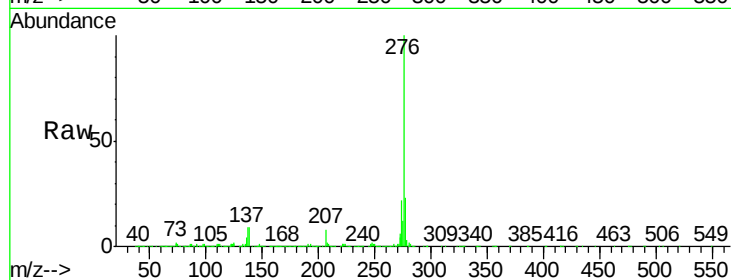
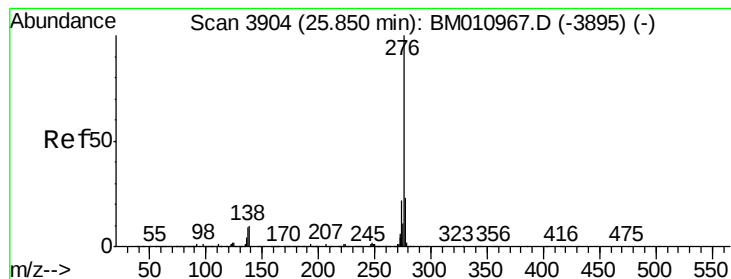
Tot Ion:252 Resp: 5960440  
Ion Ratio Lower Upper  
252 100  
253 22.4 17.6 26.4  
125 5.2 7.4 11.2#



#90  
Dibenzo(a,h)anthracene  
Concen: 44.28 ng  
RT: 25.10 min Scan# 3794  
Delta R.T. -0.13 min  
Lab File: BM011167.D  
Acq: 08 Aug 2017 00:08

Tgt Ion:278 Resp: 4756265  
Ion Ratio Lower Upper  
278 100  
139 7.5 13.4 20.0#  
279 23.3 19.0 28.4





#91

Benzo(a,h,i)perylene

Concen: 44.60 ng

RT: 25.71 min Scan# 3897

Delta R.T. -0.14 min

Lab File: BM011167.D

Acq: 08 Aug 2017 00:08

Instrument :

BNA\_M

ClientSampleId :

15-50-RT3460-RT4215-RT3451MSD

Tot Ion:276 Resp: 4704031

Ion Ratio Lower Upper

276 100

277 23.4 18.5 27.7

138 9.5 19.0 28.6#

