

Data Path : Z:\HPCHEM1\BNA M\DATA\BM071717\  
 Data File : BM010850.D  
 Acq On : 18 Jul 2017 00:33  
 Operator : SJ/JU  
 Sample : I4203-10  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 NB-SB01B

Quant Time: Jul 18 05:42:55 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM071217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 12 14:21:16 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.44  | 152  | 197666   | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8        | 10.20 | 136  | 752115   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 14.09 | 164  | 505725   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 16.84 | 188  | 1268075  | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 21.06 | 240  | 1475386  | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 23.19 | 264  | 1287919  | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.08  | 112 | 1324632 | 111.01 | ng | 0.00 |
| 7) Phenol-d6             | 6.63  | 99  | 1788982 | 108.75 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 8.59  | 82  | 1438392 | 73.51  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 15.59 | 330 | 867500  | 112.25 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 12.70 | 172 | 2913258 | 71.66  | ng | 0.00 |
| 78) Terphenyl-d14        | 19.51 | 244 | 4885861 | 64.05  | ng | 0.00 |

## Target Compounds

|                                |       |     |        |       |    | Qvalue |
|--------------------------------|-------|-----|--------|-------|----|--------|
| 2) 1,4-Dioxane                 | 3.08  | 88  | 291    | 0.055 | ng | # 100  |
| 3) Pyridine                    | 3.61  | 79  | 116    | 0.008 | ng | # 1    |
| 4) n-Nitrosodimethylamine      | 3.37  | 42  | 837    | 0.114 | ng | # 1    |
| 8) 2-Chlorophenol              | 6.98  | 128 | 158    | 0.013 | ng | # 1    |
| 9) Benzaldehyde                | 6.63  | 77  | 5745   | 0.503 | ng | # 2    |
| 10) Phenol                     | 6.66  | 94  | 69707  | 4.008 | ng | # 82   |
| 14) 1,2-Dichlorobenzene        | 7.75  | 146 | 516    | 0.036 | ng | # 1    |
| 15) Benzyl Alcohol             | 7.69  | 79  | 1548   | 0.099 | ng | # 81   |
| 16) 2,2'-oxybis(1-Chloropropan | 7.97  | 45  | 321    | 0.028 | ng | # 66   |
| 19) n-Nitroso-di-n-propylamine | 8.25  | 70  | 114    | 0.009 | ng | # 37   |
| 20) 3+4-Methylphenols          | 8.22  | 107 | 149    | 0.010 | ng | # 19   |
| 24) Nitrobenzene               | 8.59  | 77  | 6771   | 0.338 | ng | # 45   |
| 31) Naphthalene                | 10.27 | 128 | 113    | 0.003 | ng | # 69   |
| 36) 4-Chloro-3-methylphenol    | 11.49 | 107 | 167    | 0.010 | ng | # 14   |
| 37) 2-Methylnaphthalene        | 11.89 | 142 | 111    | 0.004 | ng | # 15   |
| 45) 1,1'-Biphenyl              | 12.92 | 154 | 3952   | 0.090 | ng | # 94   |
| 49) Dimethylphthalate          | 13.56 | 163 | 273981 | 6.368 | ng | # 98   |
| 51) Acenaphthene               | 14.09 | 154 | 2247   | 0.077 | ng | # 5    |
| 58) 2,3,4,6-Tetrachlorophenol  | 14.73 | 232 | 221    | 0.018 | ng | # 100  |
| 59) Diethylphthalate           | 14.94 | 149 | 1190   | 0.028 | ng | # 58   |
| 62) Azobenzene                 | 15.43 | 77  | 147    | 0.003 | ng | # 18   |
| 65) n-Nitrosodiphenylamine     | 15.40 | 169 | 133    | 0.004 | ng | # 24   |
| 69) Pentachlorophenol          | 16.49 | 266 | 345    | 0.029 | ng | # 19   |
| 70) Phenanthrene               | 16.88 | 178 | 143    | 0.002 | ng | # 60   |
| 71) Anthracene                 | 16.90 | 178 | 331    | 0.005 | ng | # 61   |
| 72) Carbazole                  | 17.17 | 167 | 115    | 0.002 | ng | # 59   |
| 73) Di-n-butylphthalate        | 17.84 | 149 | 1233   | 0.018 | ng | # 78   |
| 74) Fluoranthene               | 18.92 | 202 | 169    | 0.002 | ng | # 66   |
| 76) Benzidine                  | 19.13 | 184 | 1353   | 0.034 | ng | # 68   |
| 77) Pyrene                     | 19.27 | 202 | 259    | 0.003 | ng | # 57   |
| 79) Butylbenzylphthalate       | 20.20 | 149 | 1334   | 0.045 | ng | # 89   |
| 80) Benzo(a)anthracene         | 21.06 | 228 | 4420   | 0.052 | ng | # 60   |
| 81) 3,3'-Dichlorobenzidine     | 20.99 | 252 | 1196   | 0.036 | ng | # 26   |
| 82) Chrysene                   | 21.06 | 228 | 4420   | 0.054 | ng | # 56   |

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jul 12 14:21:16 2017  
Response via : Initial Calibration

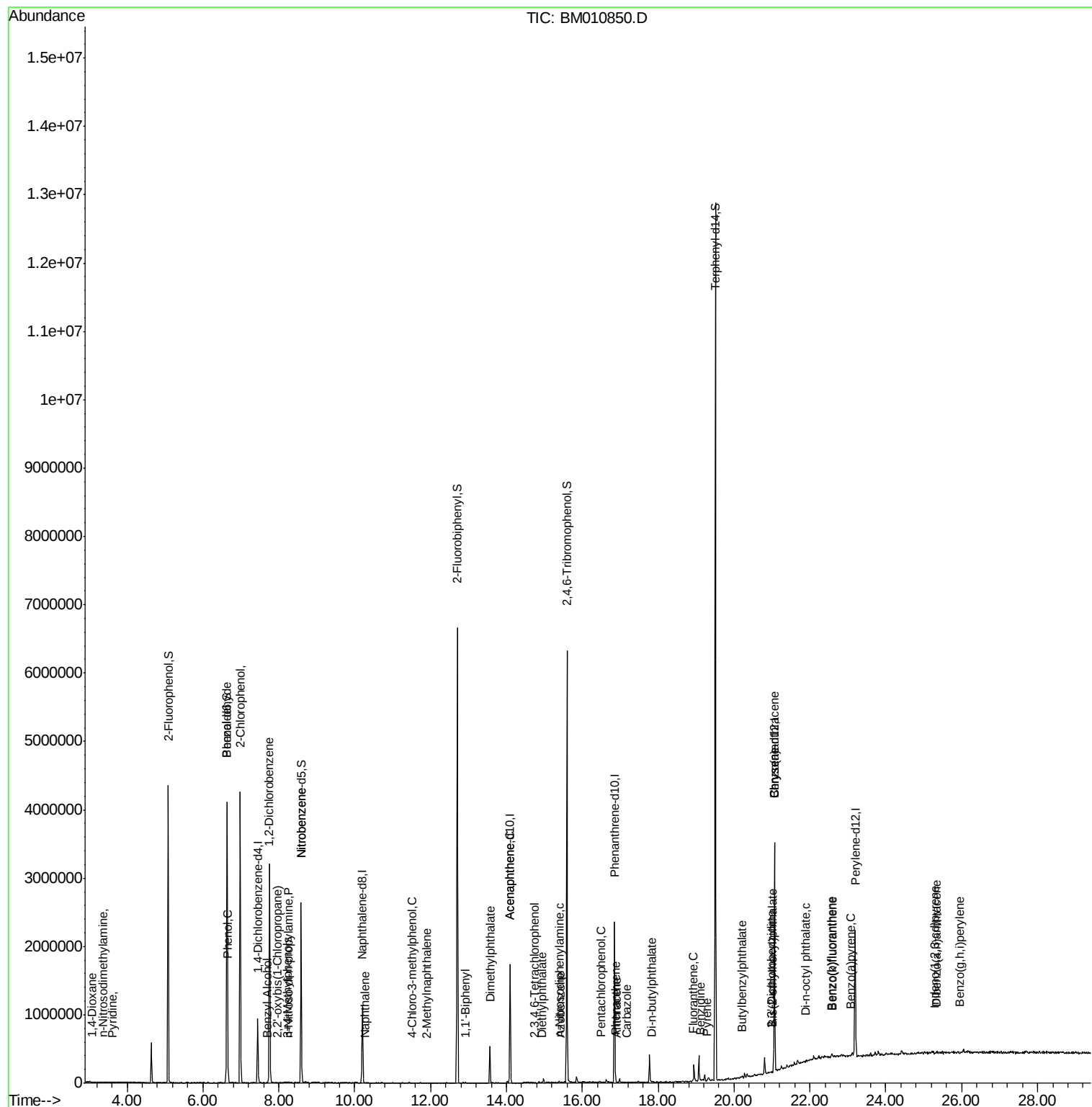
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 83) Bis(2-ethylhexyl)phthalate | 21.00 | 149  | 5009     | 0.115 | nq    | # 70     |
| 84) Di-n-octyl phthalate       | 21.89 | 149  | 3013     | 0.042 | nq    | # 65     |
| 85) Indeno(1,2,3-cd)pyrene     | 25.29 | 276  | 567      | 0.006 | nq    | # 100    |
| 87) Benzo(b)fluoranthene       | 22.57 | 252  | 1015     | 0.012 | nq    | # 19     |
| 88) Benzo(k)fluoranthene       | 22.60 | 252  | 1262     | 0.016 | nq    | # 39     |
| 89) Benzo(a)pyrene             | 23.09 | 252  | 1813     | 0.024 | nq    | # 21     |
| 90) Dibenzo(a,h)anthracene     | 25.34 | 278  | 147      | 0.002 | nq    | # 1      |
| 91) Benzo(a,h,i)perylene       | 25.94 | 276  | 365      | 0.005 | nq    | # 37     |

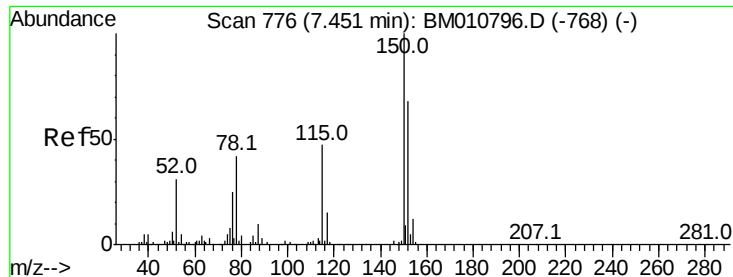
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.44 min Scan# 774

Delta R.T. -0.01 min

Lab File: BM010850.D

Acq: 18 Jul 2017 00:33

Instrument :

BNA\_M

ClientSampleId :

NB-SB01B

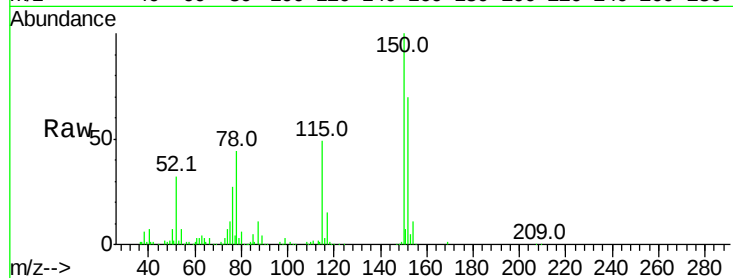
Tot Ion:152 Resp: 197666

Ion Ratio Lower Upper

152 100

150 143.9 119.5 179.3

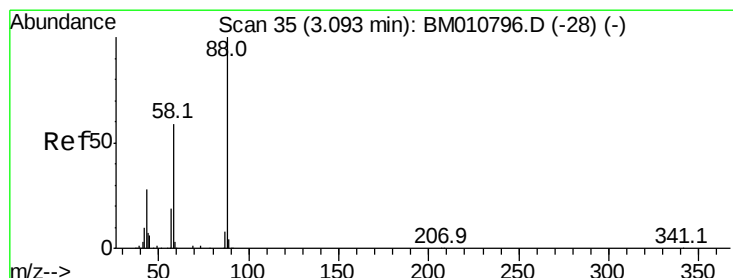
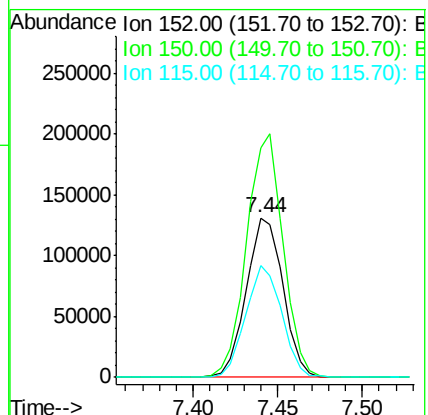
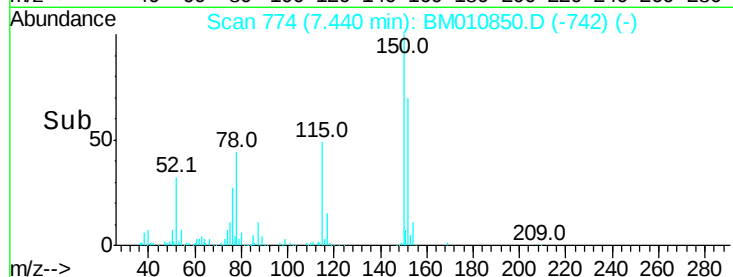
115 70.1 43.0 64.4#



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: 0.055 ng

RT: 3.08 min Scan# 33

Delta R.T. -0.01 min

Lab File: BM010850.D

Acq: 18 Jul 2017 00:33

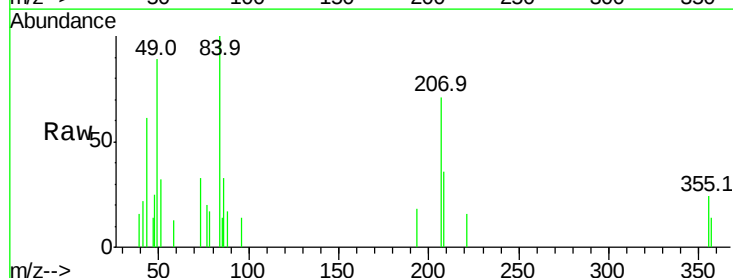
Tgt Ion: 88 Resp: 291

Ion Ratio Lower Upper

88 100

58 319.2 0.0 0.0#

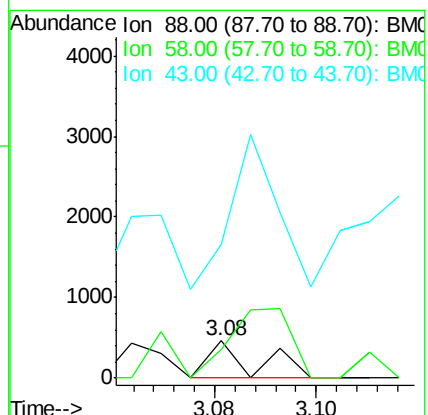
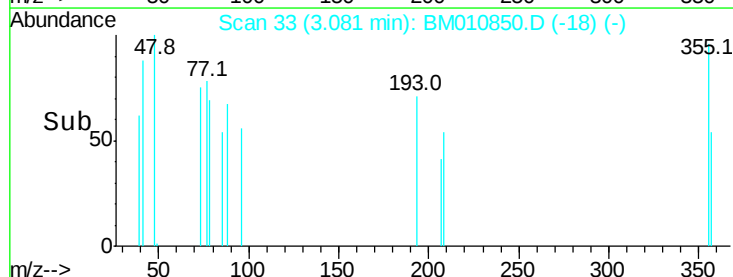
43 438.5 0.0 0.0#

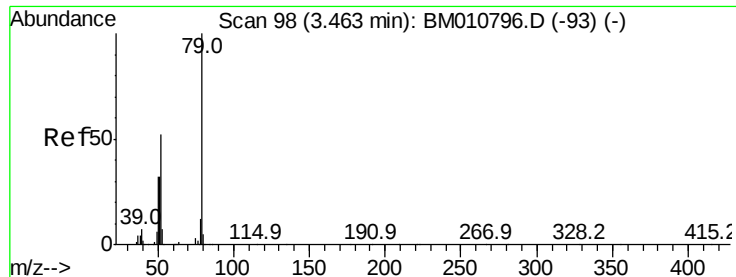


Abundance Ion 88.00 (87.70 to 88.70): BM0

Ion 58.00 (57.70 to 58.70): BM0

Ion 43.00 (42.70 to 43.70): BM0





#3

Pvridine

Concen: 0.008 ng

RT: 3.61 min Scan# 123

Delta R.T. 0.15 min

Lab File: BM010850.D

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Instrument :

BNA\_M

ClientSampleId :

NB-SB01B

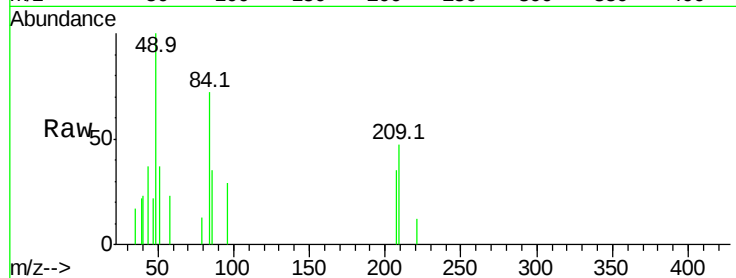
Tot Ion: 79 Resp: 116

Ion Ratio Lower Upper

79 100

52 0.0 51.1 76.7#

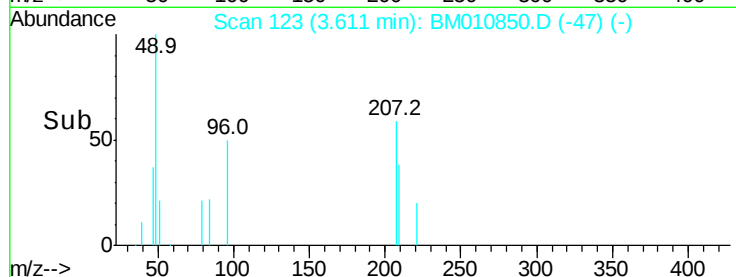
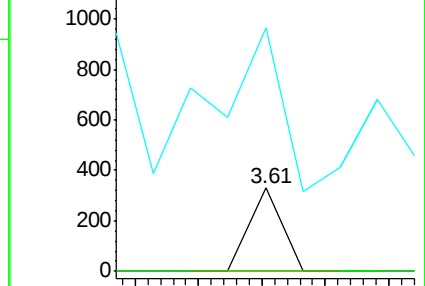
51 292.4 26.1 39.1#



Abundance Ion 79.00 (78.70 to 79.70): BM010796.D (-93) (-)

Ion 52.00 (51.70 to 52.70): BM010796.D (-93) (-)

Ion 51.00 (50.70 to 51.70): BM010796.D (-93) (-)



#4

n-Nitrosodimethylamine

Concen: 0.114 ng

RT: 3.37 min Scan# 82

Delta R.T. -0.02 min

Lab File: BM010850.D

Acq: 18 Jul 2017 00:33

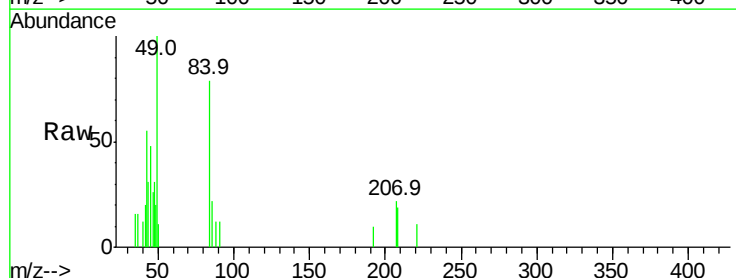
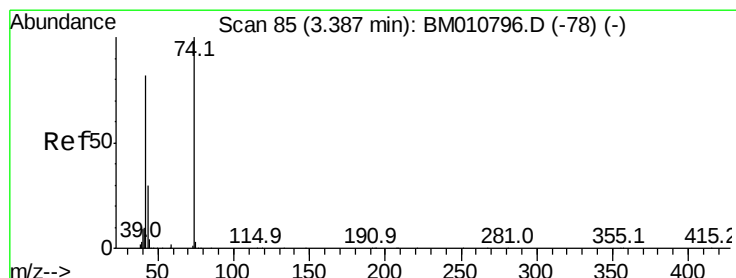
Tgt Ion: 42 Resp: 837

Ion Ratio Lower Upper

42 100

74 0.0 119.3 178.9#

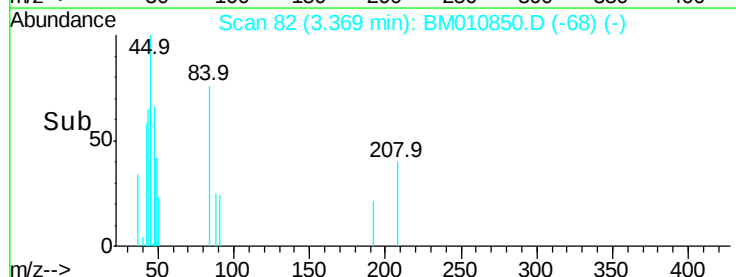
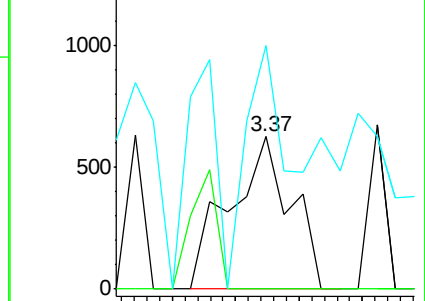
44 159.9 5.4 8.2#

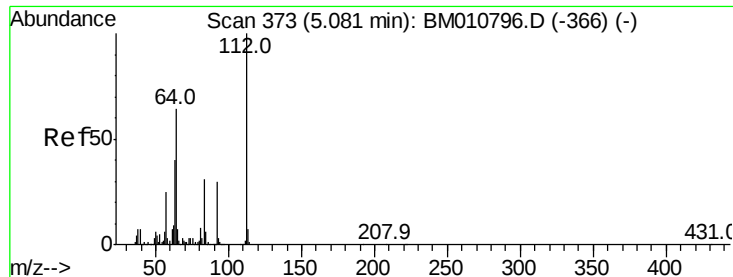


Abundance Ion 42.00 (41.70 to 42.70): BM010796.D (-78) (-)

Ion 74.00 (73.70 to 74.70): BM010796.D (-78) (-)

Ion 44.00 (43.70 to 44.70): BM010796.D (-78) (-)





#5

2-Fluorophenol

Concen: 111.007 ng

RT: 5.08 min Scan# 373

Delta R.T. 0.00 min

Lab File: BM010850.D

Acq: 18 Jul 2017 00:33

Instrument :

BNA\_M

ClientSampleId :

NB-SB01B

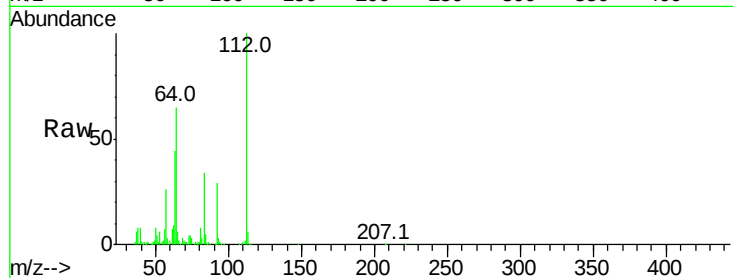
Tot Ion:112 Resp: 1324632

Ion Ratio Lower Upper

112 100

64 65.3 38.6 57.8#

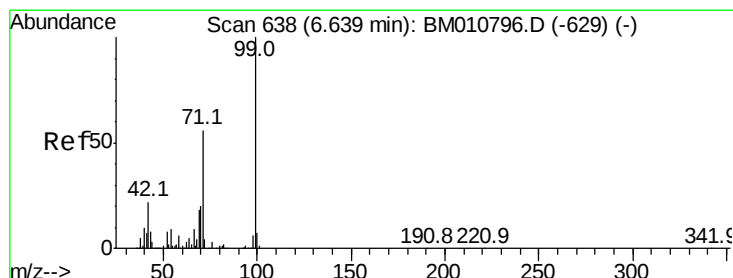
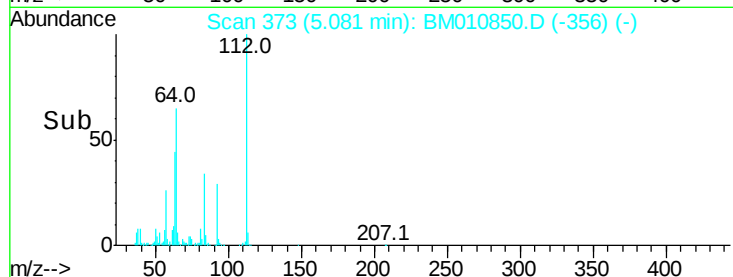
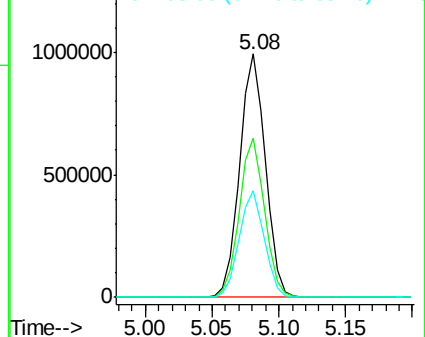
63 43.9 19.3 28.9#



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



#7

Phenol-d6

Concen: 108.750 ng

RT: 6.63 min Scan# 637

Delta R.T. -0.01 min

Lab File: BM010850.D

Acq: 18 Jul 2017 00:33

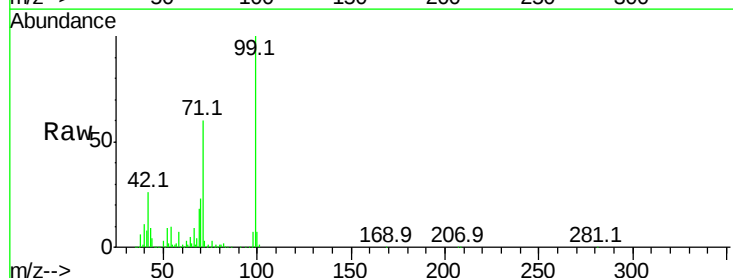
Tgt Ion: 99 Resp: 1788982

Ion Ratio Lower Upper

99 100

42 25.5 11.0 16.4#

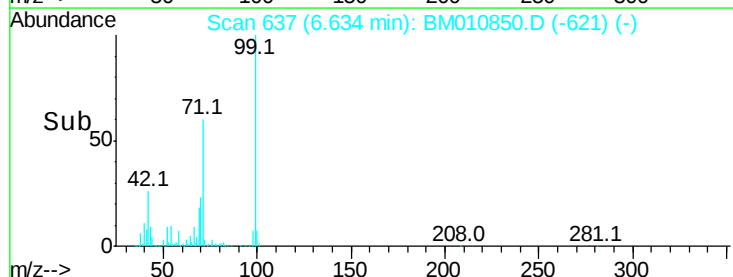
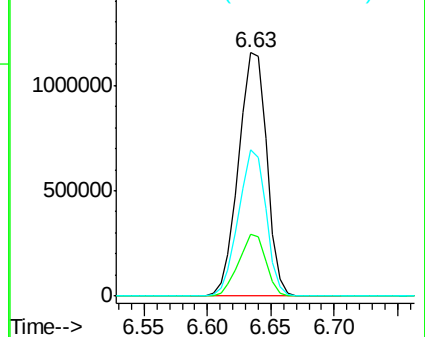
71 60.2 23.4 35.2#

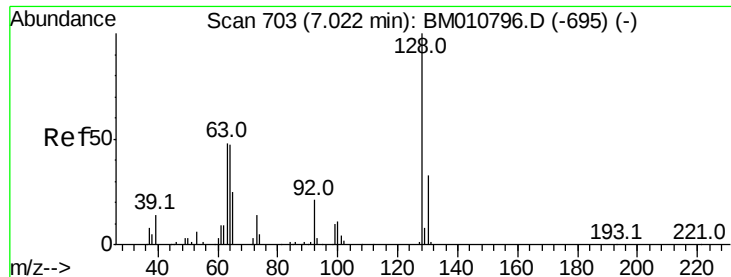


Abundance Ion 99.00 (98.70 to 99.70): B

Ion 42.00 (41.70 to 42.70): B

Ion 71.00 (70.70 to 71.70): B





#8

2-Chlorophenol

Concen: 0.013 ng

RT: 6.98 min Scan# 695

Delta R.T. -0.05 min

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NB-SB01B

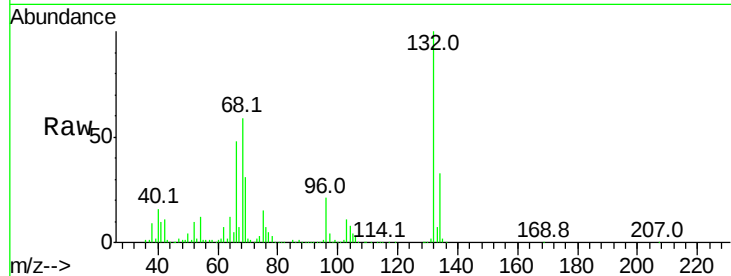
Tot Ion:128 Resp: 158

Ion Ratio Lower Upper

128 100

130 89.3 12.0 52.0#

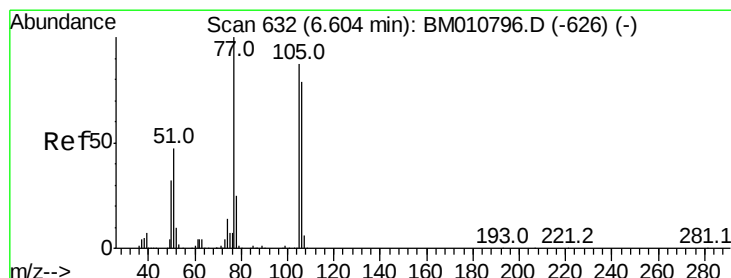
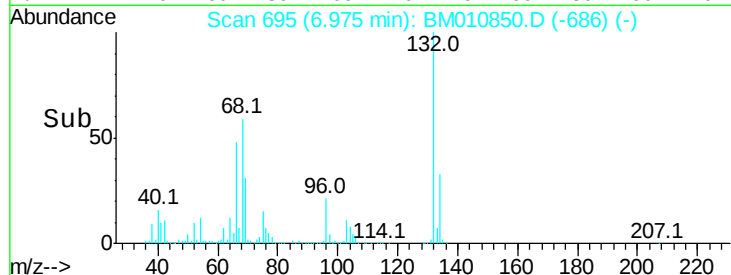
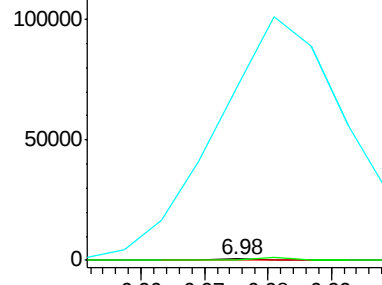
64 15994.7 24.9 64.9#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BM



#9

Benzaldehyde

Concen: 0.503 ng

RT: 6.63 min Scan# 636

Delta R.T. 0.02 min

Lab File: BM010850.D

Acq: 18 Jul 2017 00:33

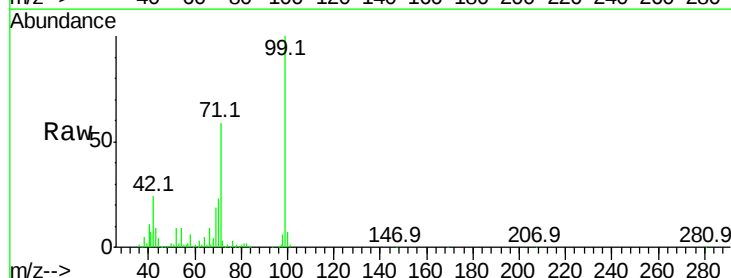
Tgt Ion: 77 Resp: 5745

Ion Ratio Lower Upper

77 100

105 0.0 78.8 118.8#

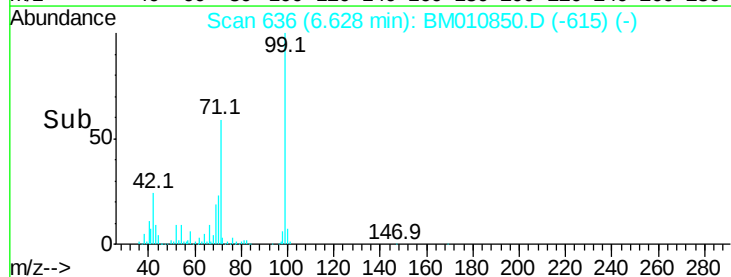
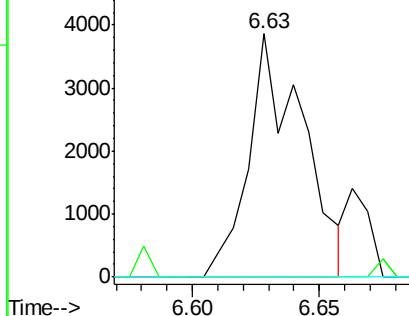
106 0.0 73.7 113.7#

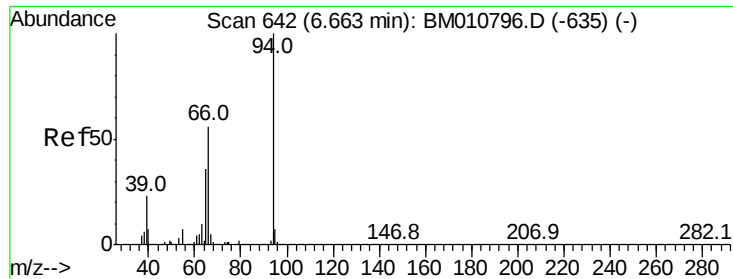


Abundance Ion 77.00 (76.70 to 77.70): BM

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 4.008 ng

RT: 6.66 min Scan# 641

Delta R.T. -0.01 min

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ClientSampleId :

NB-SB01B

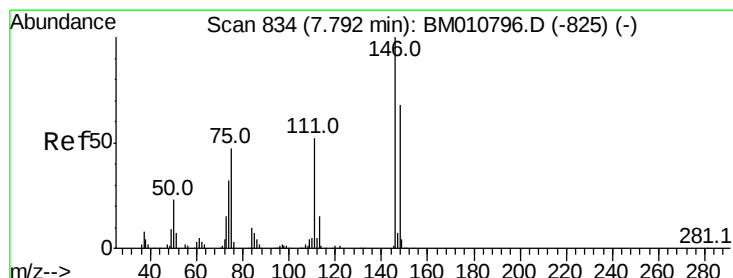
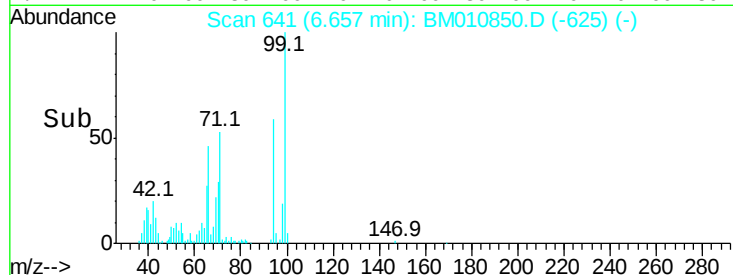
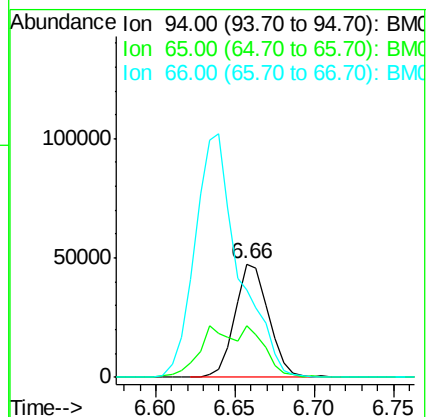
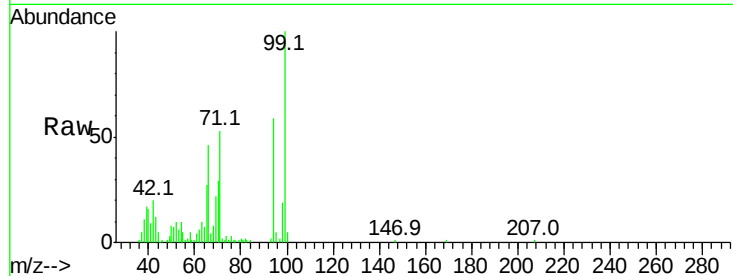
Tot Ion: 94 Resp: 69707

Ion Ratio Lower Upper

94 100

65 45.1 18.8 58.8

66 77.6 39.9 79.9



#14

1,2-Dichlorobenzene

Concen: 0.036 ng

RT: 7.75 min Scan# 826

Delta R.T. -0.05 min

Lab File: BM010850.D

Acq: 18 Jul 2017 00:33

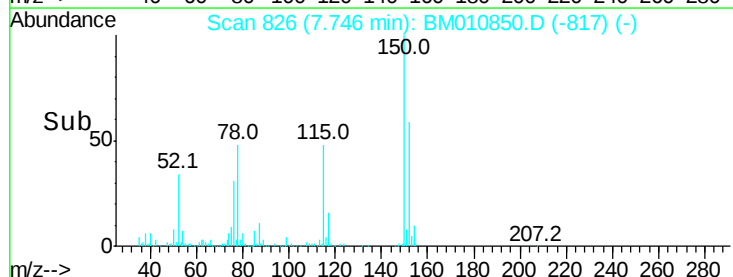
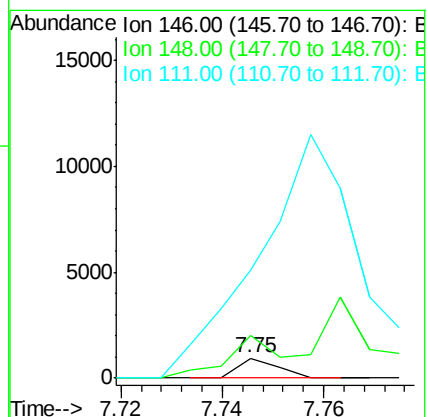
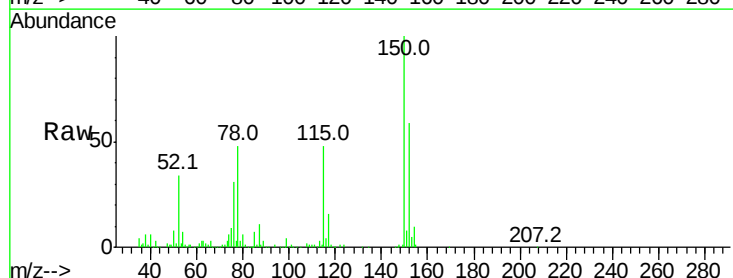
Tgt Ion: 146 Resp: 516

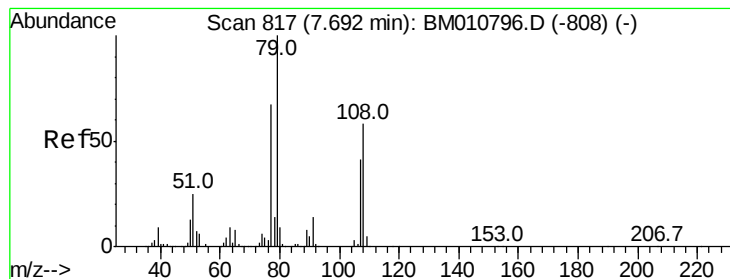
Ion Ratio Lower Upper

146 100

148 208.5 52.3 78.5#

111 530.4 30.6 45.8#





#15

Benzyl Alcohol

Concen: 0.099 ng

RT: 7.69 min Scan# 817

Delta R.T. 0.00 min

Lab File: BM010850.D

Acq: 18 Jul 2017 00:33

Instrument :

BNA\_M

ClientSampleId :

NB-SB01B

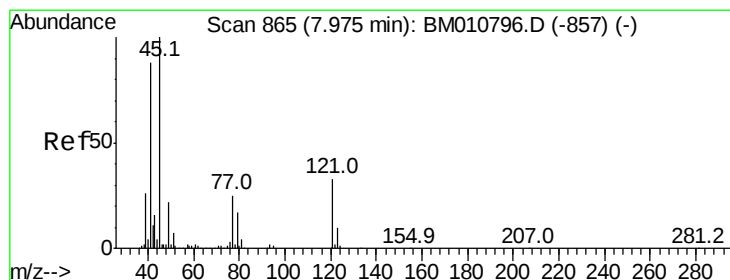
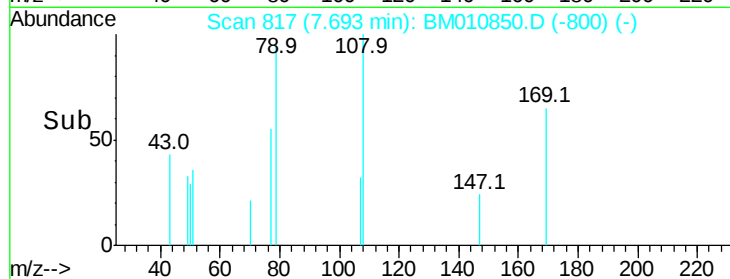
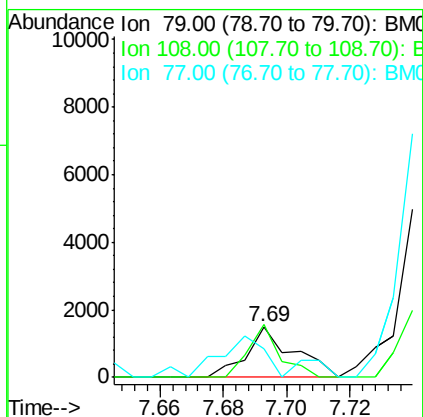
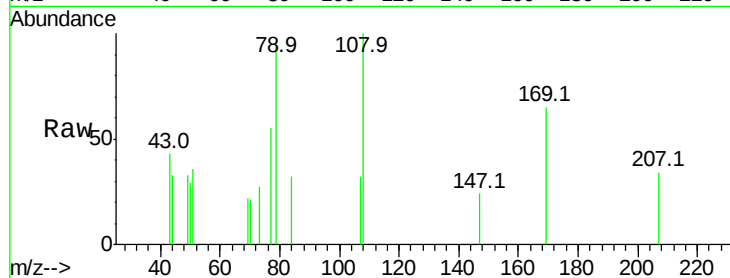
Tot Ion: 79 Resp: 1548

Ion Ratio Lower Upper

79 100

108 103.7 65.0 97.4#

77 57.1 53.0 79.6



#16

2,2'-oxybis(1-chloropropane)

Concen: 0.028 ng

RT: 7.97 min Scan# 864

Delta R.T. -0.01 min

Lab File: BM010850.D

Acq: 18 Jul 2017 00:33

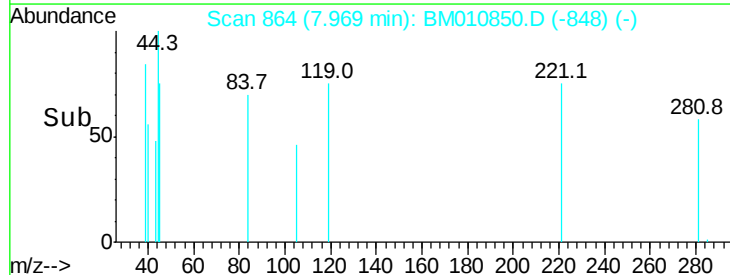
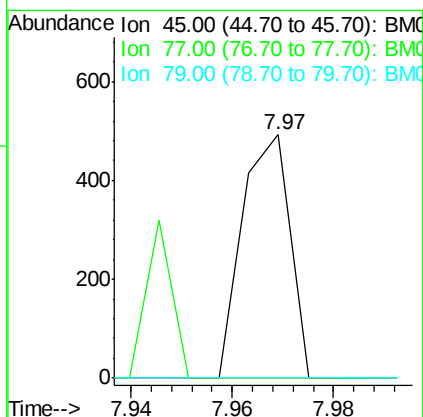
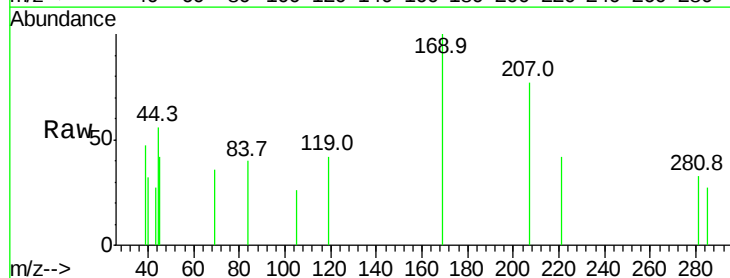
Tgt Ion: 45 Resp: 321

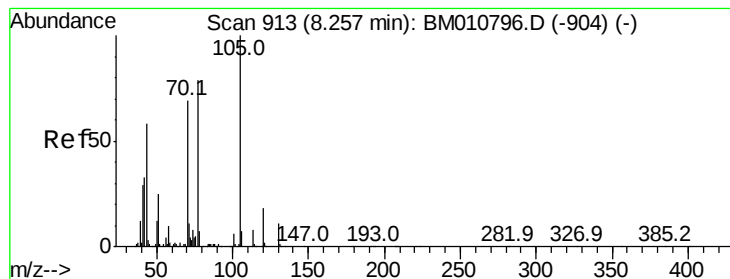
Ion Ratio Lower Upper

45 100

77 0.0 0.0 35.2

79 0.0 0.0 32.0





#19

n-Nitroso-di-n-propylamine

Concen: 0.009 ng

RT: 8.25 min Scan# 912

Delta R.T. -0.01 min

Lab File: BM010850.D

Acq: 18 Jul 2017 00:33

Instrument :

BNA\_M

ClientSampleId :

NB-SB01B

Tot Ion: 70 Resp: 114

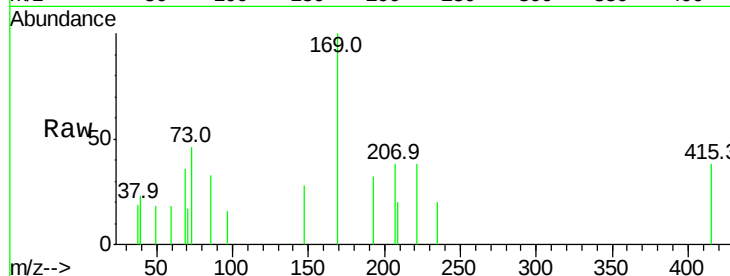
Ion Ratio Lower Upper

70 100

42 0.0 44.5 66.7#

101 0.0 7.4 11.2#

130 0.0 15.3 22.9#

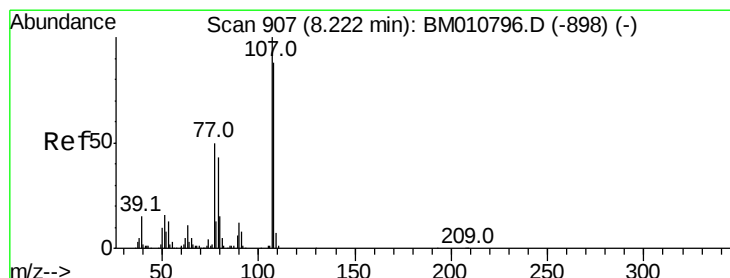
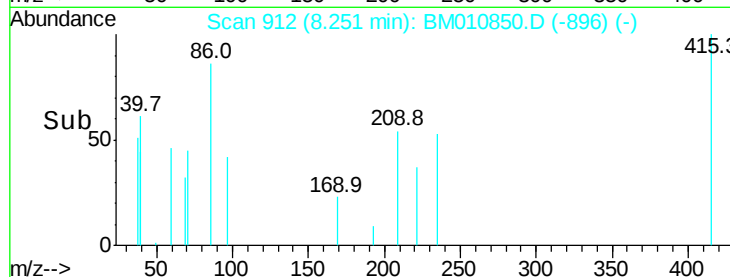
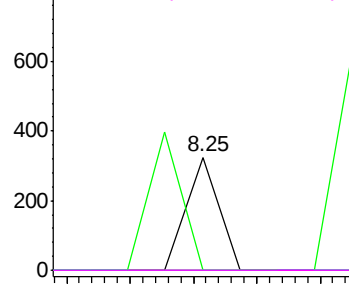


Abundance Ion 70.00 (69.70 to 70.70): BM0

Ion 42.00 (41.70 to 42.70): BM0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#20

3+4-Methylphenols

Concen: 0.010 ng

RT: 8.22 min Scan# 907

Delta R.T. 0.00 min

Lab File: BM010850.D

Acq: 18 Jul 2017 00:33

Tgt Ion:107 Resp: 149

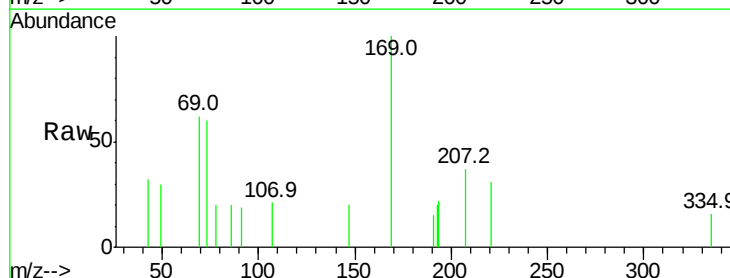
Ion Ratio Lower Upper

107 100

108 0.0 73.2 113.2#

77 0.0 10.7 50.7#

79 0.0 9.6 49.6#

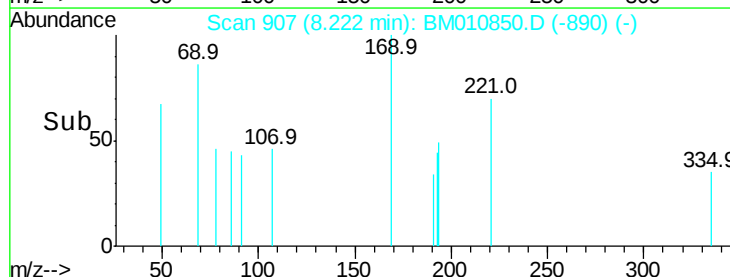
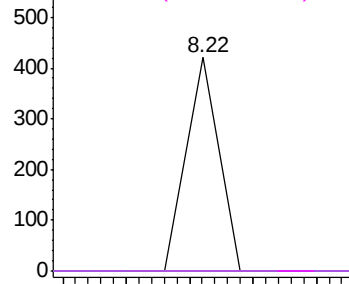


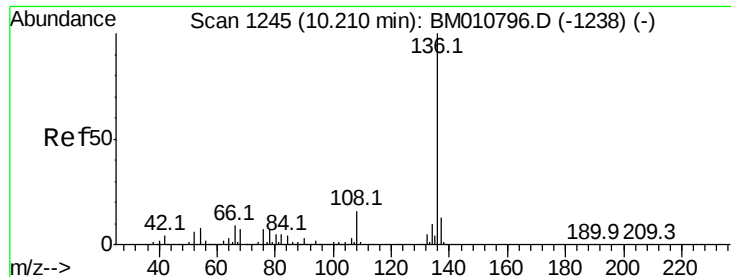
Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BM0

Ion 79.00 (78.70 to 79.70): BM0

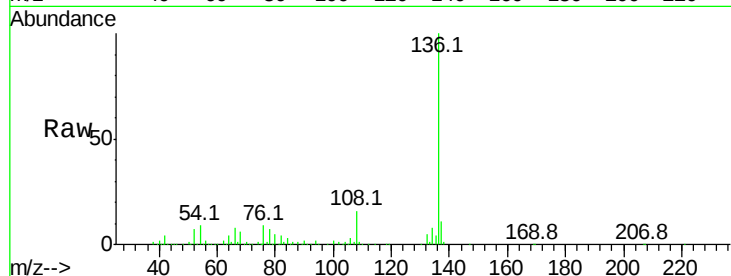




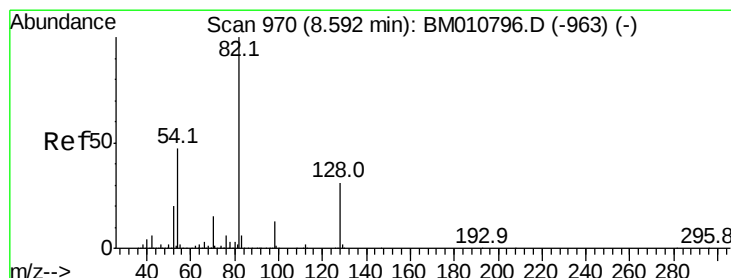
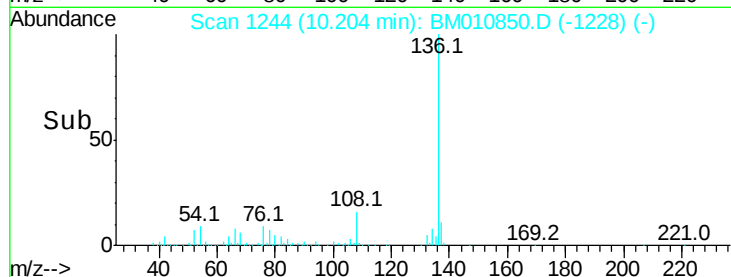
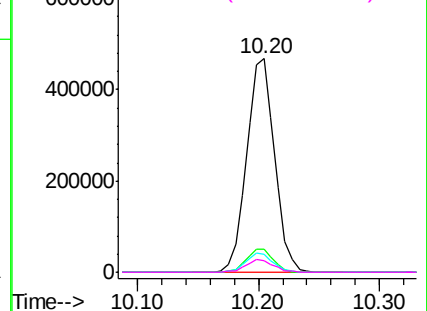
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.20 min Scan# 1244  
Delta R.T. -0.01 min  
Lab File: BM010850.D  
Acq: 18 Jul 2017 00:33

Instrument :  
BNA\_M  
ClientSampleId :  
NB-SB01B

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 136   | Resp: | 752115 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.0  | 8.7   | 13.1   |
| 54       | 8.7   | 4.6   | 6.8#   |
| 68       | 5.6   | 3.7   | 5.5#   |

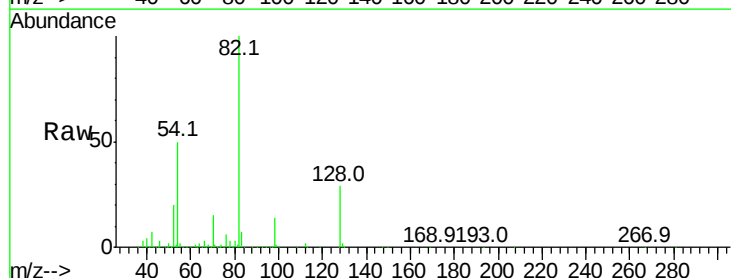


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BM  
Ion 68.00 (67.70 to 68.70): BM

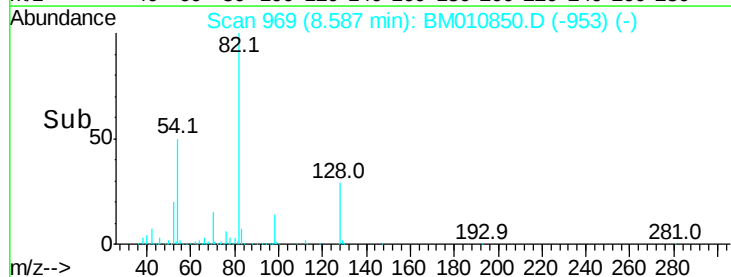
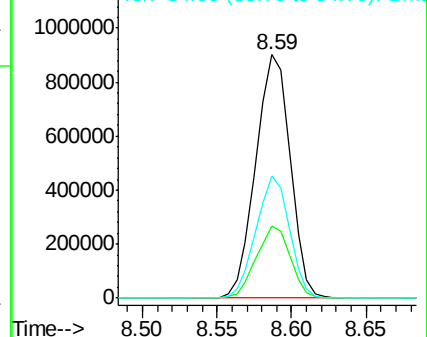


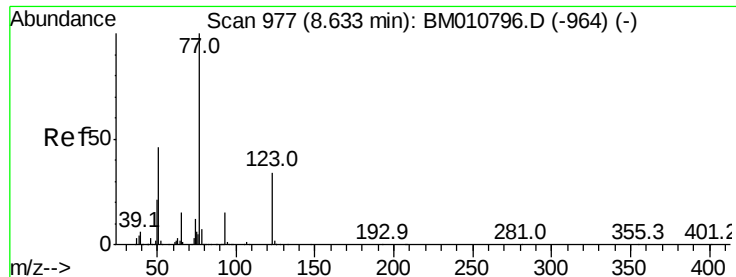
#23  
Nitrobenzene-d5  
Concen: 73.510 ng  
RT: 8.59 min Scan# 969  
Delta R.T. -0.01 min  
Lab File: BM010850.D  
Acq: 18 Jul 2017 00:33

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 82    | Resp: | 1438392 |
| Ion      | Ratio | Lower | Upper   |
| 82       | 100   |       |         |
| 128      | 29.4  | 32.8  | 49.2#   |
| 54       | 50.1  | 40.6  | 60.8    |



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





#24

Nitrobenzene

Concen: 0.338 ng

RT: 8.59 min Scan# 970

Delta R.T. -0.04 min

Lab File: BM010850.D

Acq: 18 Jul 2017 00:33

Instrument :

BNA\_M

ClientSampleId :

NB-SB01B

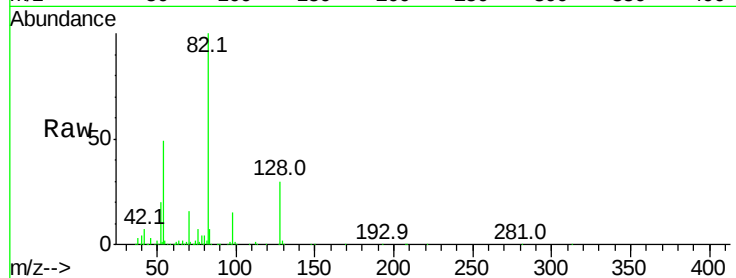
Tot Ion: 77 Resp: 6771

Ion Ratio Lower Upper

77 100

123 0.0 32.6 49.0#

65 23.3 10.9 16.3#

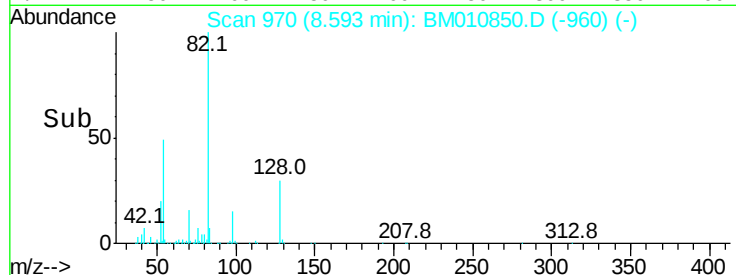


Abundance Ion 77.00 (76.70 to 77.70): BM010796.D (-964) (-)

Ion 123.00 (122.70 to 123.70): BM010796.D (-964) (-)

Ion 65.00 (64.70 to 65.70): BM010796.D (-964) (-)

Time-->

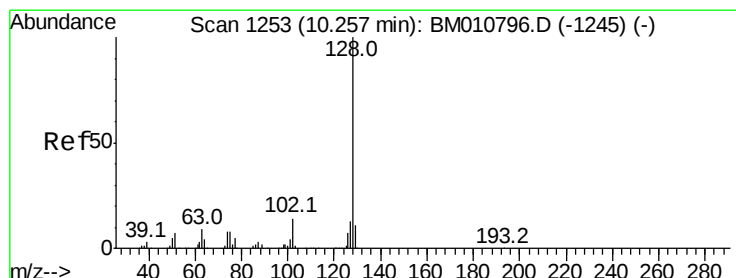


Abundance Ion 77.00 (76.70 to 77.70): BM010850.D (-960) (-)

Ion 123.00 (122.70 to 123.70): BM010850.D (-960) (-)

Ion 65.00 (64.70 to 65.70): BM010850.D (-960) (-)

Time-->



#31

Naphthalene

Concen: 0.003 ng

RT: 10.27 min Scan# 1255

Delta R.T. 0.01 min

Lab File: BM010850.D

Acq: 18 Jul 2017 00:33

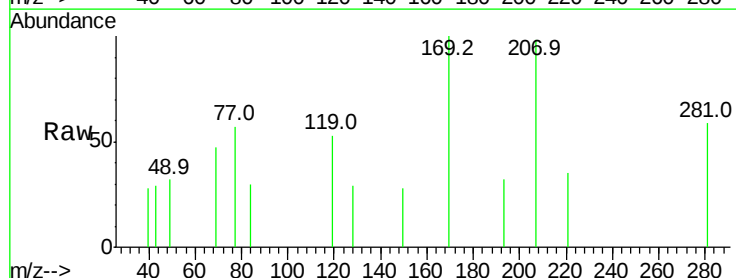
Tgt Ion: 128 Resp: 113

Ion Ratio Lower Upper

128 100

129 0.0 8.9 13.3#

127 0.0 10.4 15.6#

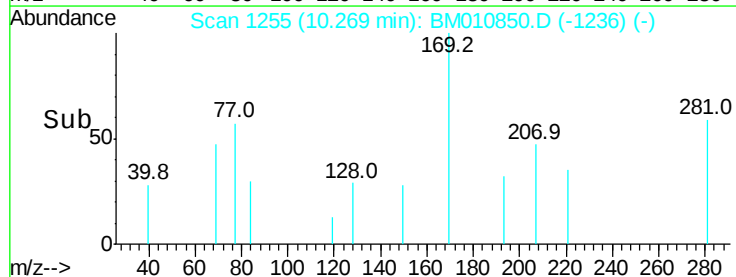


Abundance Ion 128.00 (127.70 to 128.70): BM010796.D (-1245) (-)

Ion 129.00 (128.70 to 129.70): BM010796.D (-1245) (-)

Ion 127.00 (126.70 to 127.70): BM010796.D (-1245) (-)

Time-->

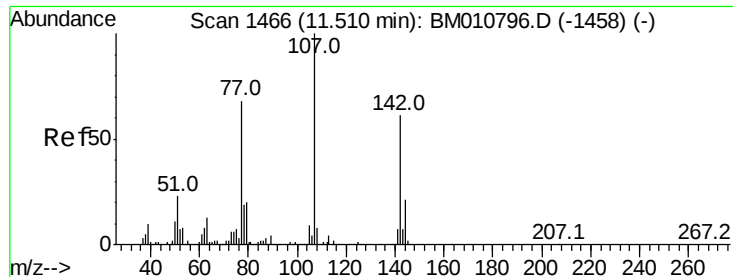


Abundance Ion 128.00 (127.70 to 128.70): BM010850.D (-1236) (-)

Ion 129.00 (128.70 to 129.70): BM010850.D (-1236) (-)

Ion 127.00 (126.70 to 127.70): BM010850.D (-1236) (-)

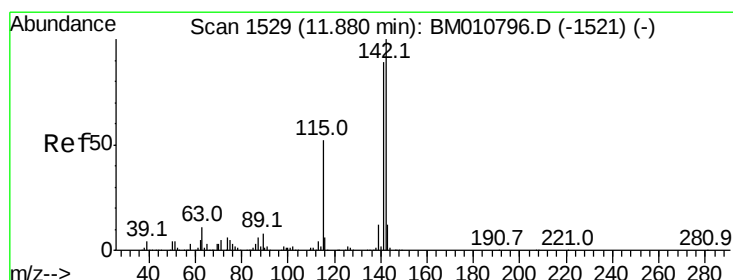
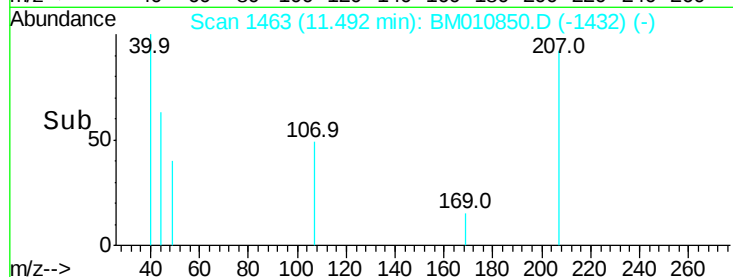
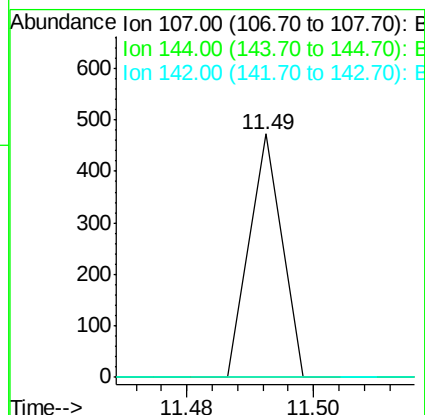
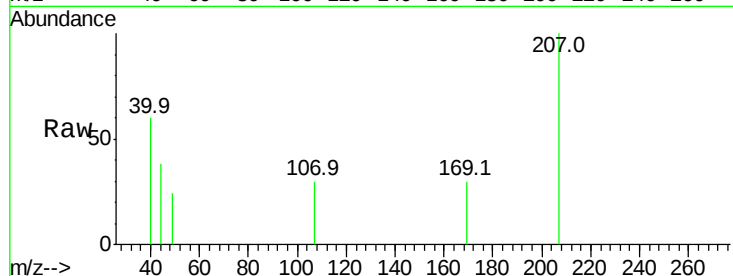
Time-->



#36  
4-Chloro-3-methylphenol  
Concen: 0.010 ng  
RT: 11.49 min Scan# 1463  
Delta R.T. -0.02 min  
Lab File: BM010850.D  
Acq: 18 Jul 2017 00:33

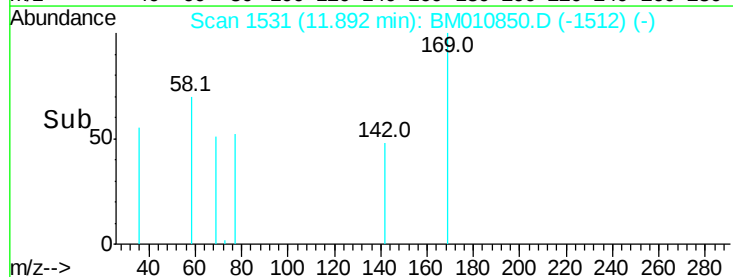
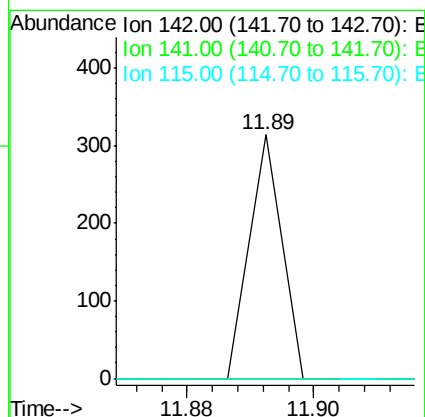
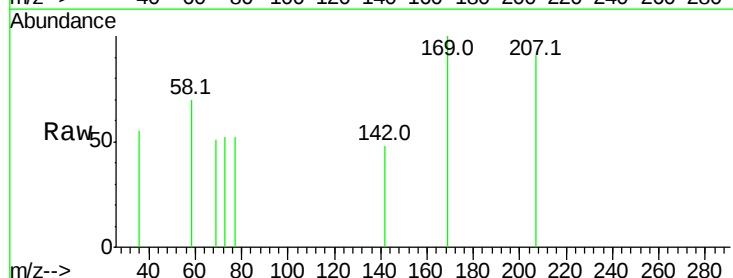
Instrument :  
BNA\_M  
ClientSampleId :  
NB-SB01B

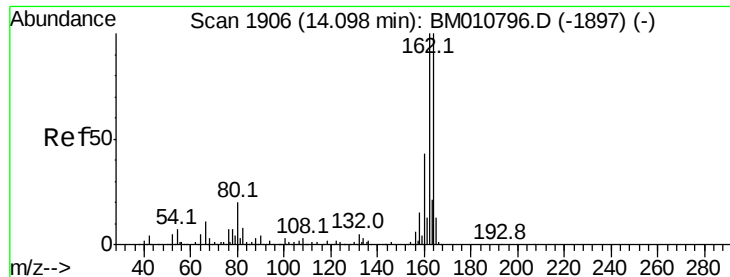
Tot Ion:107 Resp: 167  
Ion Ratio Lower Upper  
107 100  
144 0.0 23.3 34.9#  
142 0.0 72.6 109.0#



#37  
2-Methylnaphthalene  
Concen: 0.004 ng  
RT: 11.89 min Scan# 1531  
Delta R.T. 0.01 min  
Lab File: BM010850.D  
Acq: 18 Jul 2017 00:33

Tgt Ion:142 Resp: 111  
Ion Ratio Lower Upper  
142 100  
141 0.0 71.9 107.9#  
115 0.0 25.4 38.0#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.09 min Scan# 1905

Delta R.T. -0.01 min

Lab File: BM010850.D

Acq: 18 Jul 2017 00:33

Instrument :

BNA\_M

ClientSampleId :

NB-SB01B

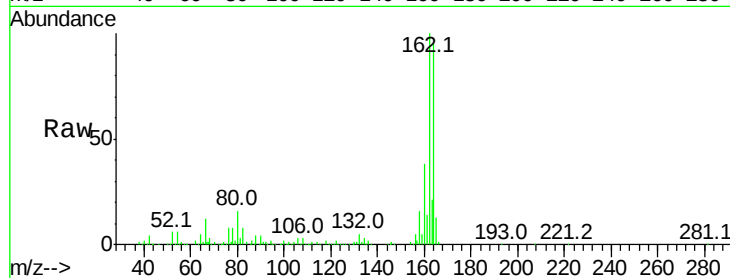
Tot Ion:164 Resp: 505725

Ion Ratio Lower Upper

164 100

162 105.7 82.4 123.6

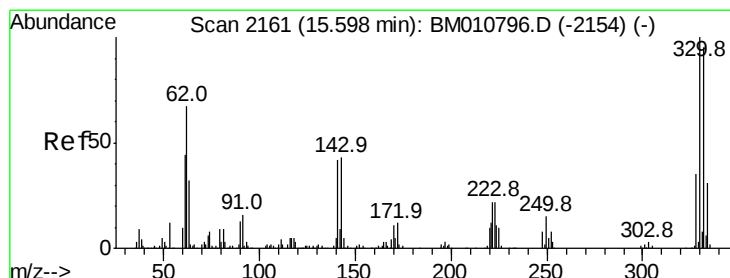
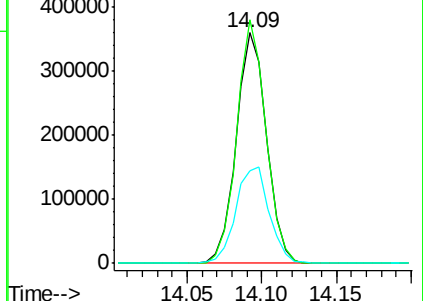
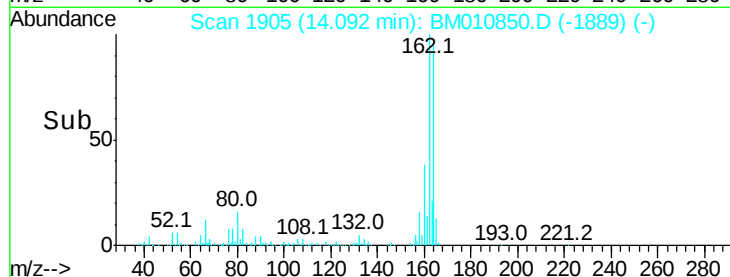
160 40.2 35.8 53.6



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



#41

2,4,6-Tribromophenol

Concen: 112.248 ng

RT: 15.59 min Scan# 2160

Delta R.T. -0.01 min

Lab File: BM010850.D

Acq: 18 Jul 2017 00:33

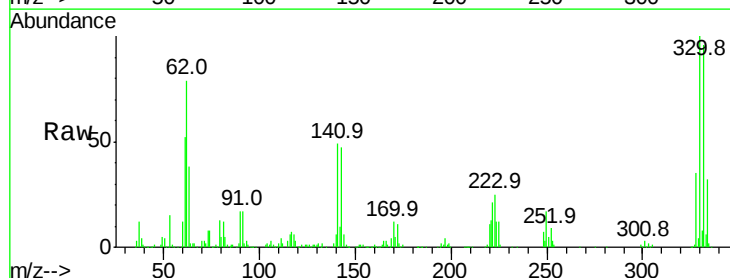
Tgt Ion:330 Resp: 867500

Ion Ratio Lower Upper

330 100

332 95.3 0.0 0.0#

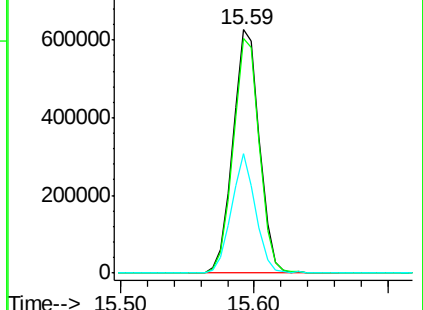
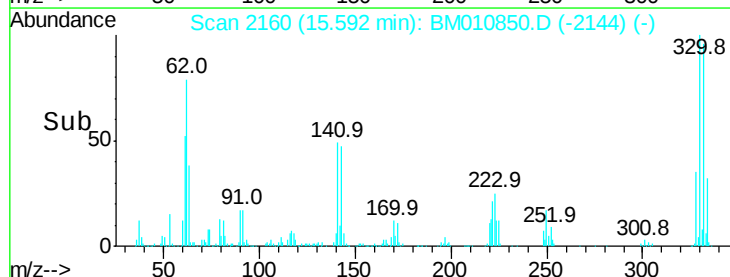
141 44.8 0.0 0.0#

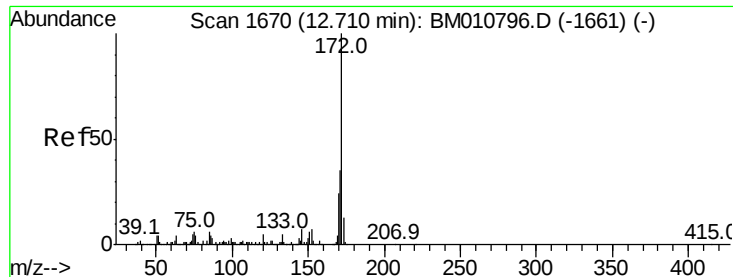


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

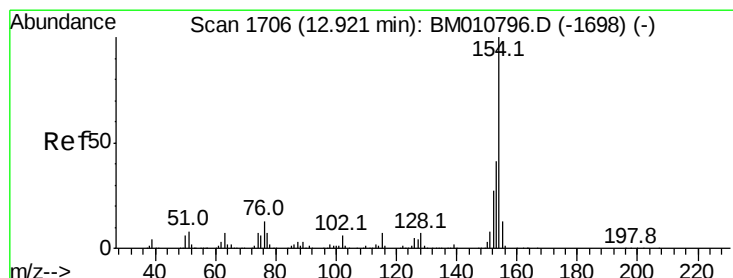
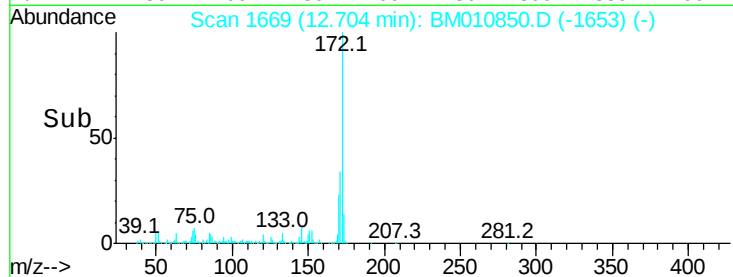
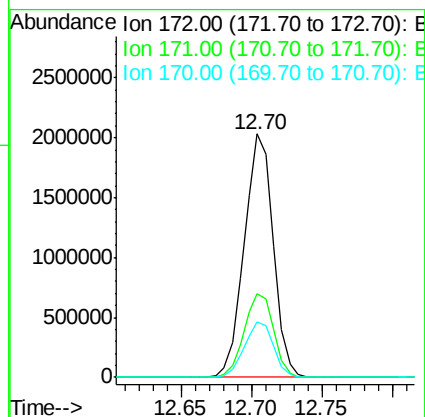
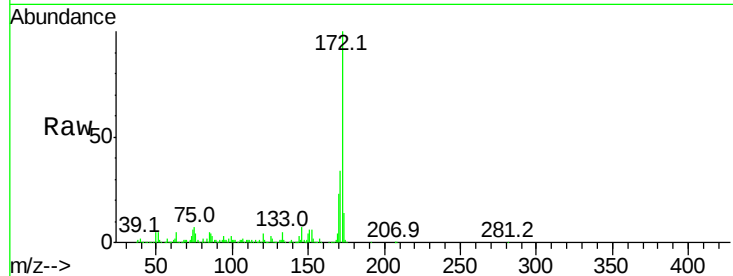




#44  
 2-Fluorobiphenyl  
 Concen: 71.663 ng  
 RT: 12.70 min Scan# 1669  
 Delta R.T. -0.01 min  
 Lab File: BM010850.D  
 Acq: 18 Jul 2017 00:33

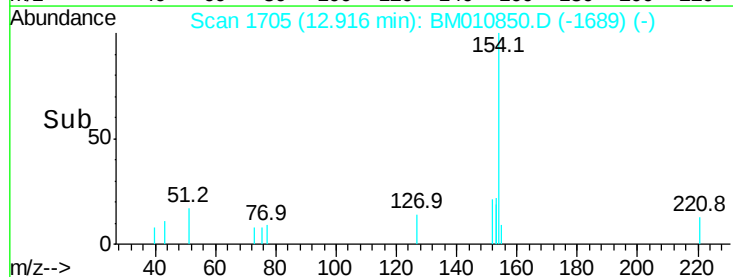
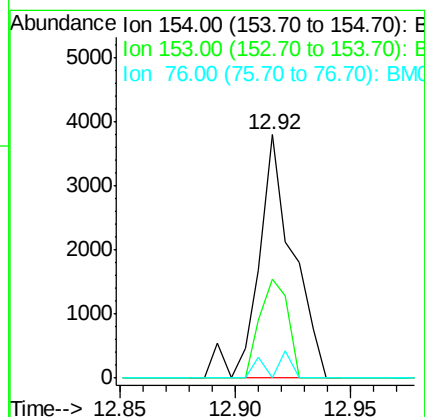
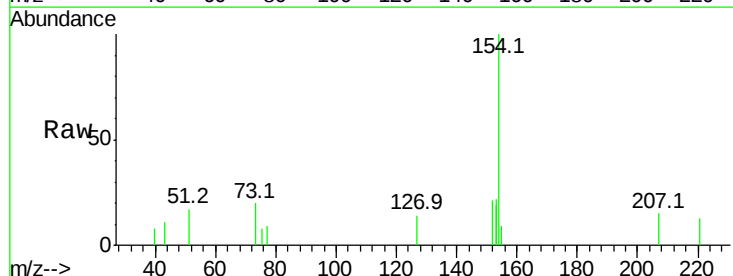
Instrument :  
 BNA\_M  
 ClientSampleId :  
 NB-SB01B

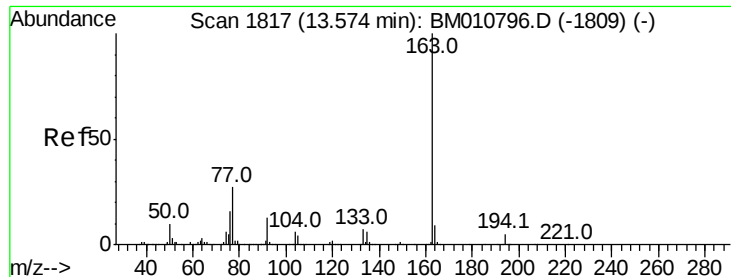
Tot Ion:172 Resp: 2913258  
 Ion Ratio Lower Upper  
 172 100  
 171 34.3 28.5 42.7  
 170 22.7 18.8 28.2



#45  
 1,1'-Biphenyl  
 Concen: 0.090 ng  
 RT: 12.92 min Scan# 1705  
 Delta R.T. -0.01 min  
 Lab File: BM010850.D  
 Acq: 18 Jul 2017 00:33

Tgt Ion:154 Resp: 3952  
 Ion Ratio Lower Upper  
 154 100  
 153 40.5 20.7 60.7  
 76 0.0 0.0 30.9





#49

Dimethylphthalate

Concen: 6.368 ng

RT: 13.56 min Scan# 1815

Delta R.T. -0.01 min

Lab File: BM010850.D

Acq: 18 Jul 2017 00:33

Instrument :

BNA\_M

ClientSampleId :

NB-SB01B

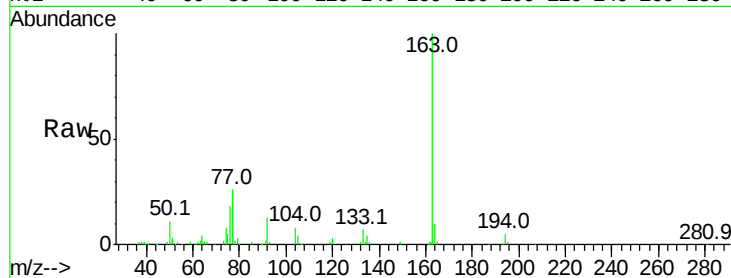
Tot Ion:163 Resp: 273981

Ion Ratio Lower Upper

163 100

194 4.6 2.7 4.1#

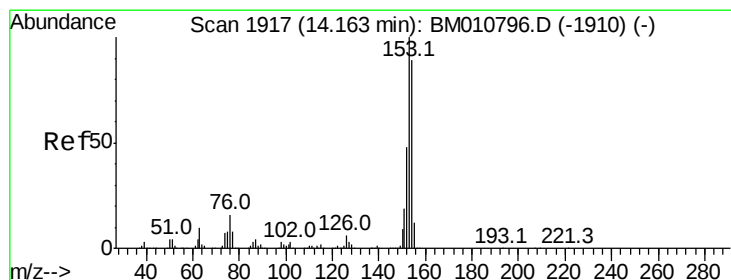
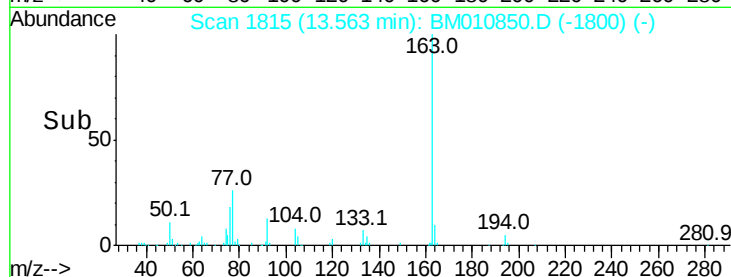
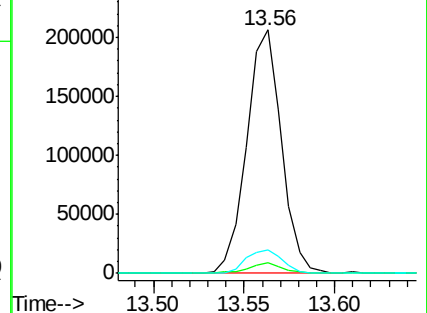
164 9.8 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

Acenaphthene

Concen: 0.077 ng

RT: 14.09 min Scan# 1905

Delta R.T. -0.07 min

Lab File: BM010850.D

Acq: 18 Jul 2017 00:33

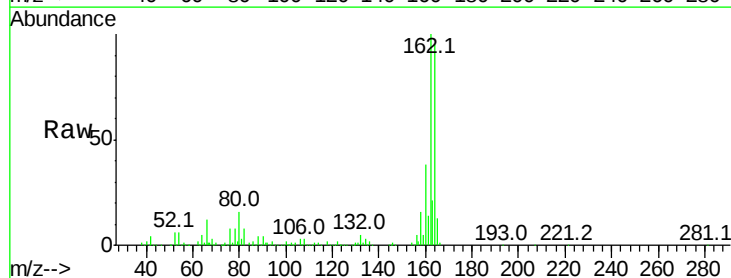
Tgt Ion:154 Resp: 2247

Ion Ratio Lower Upper

154 100

153 0.0 90.0 135.0#

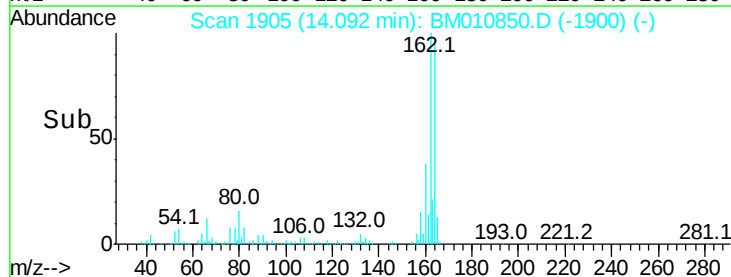
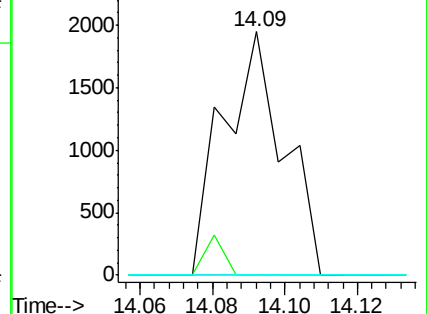
152 0.0 42.6 63.8#

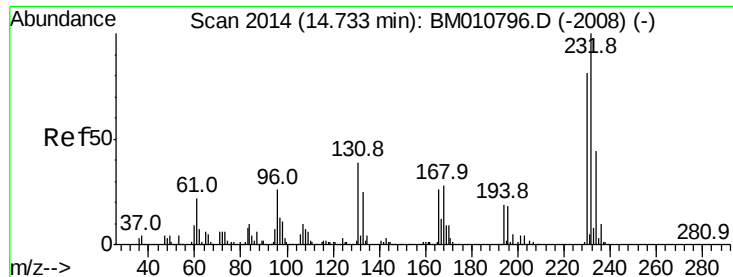


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

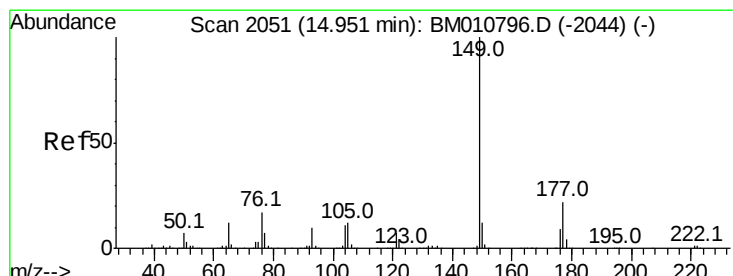
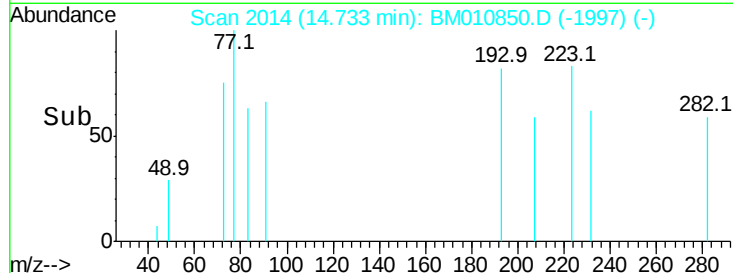
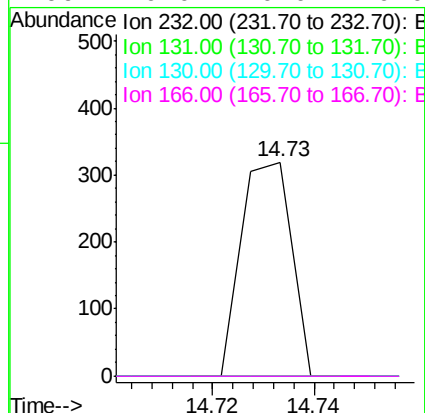
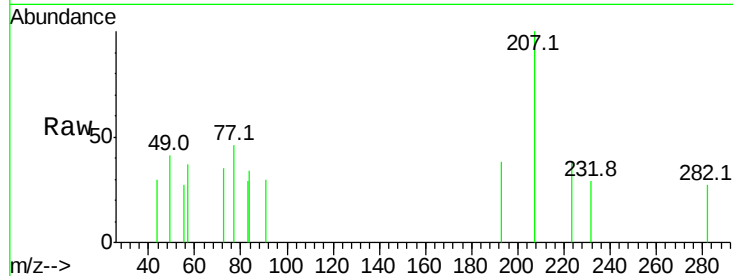




#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 0.018 ng  
 RT: 14.73 min Scan# 2014  
 Delta R.T. 0.00 min  
 Lab File: BM010850.D  
 Acq: 18 Jul 2017 00:33

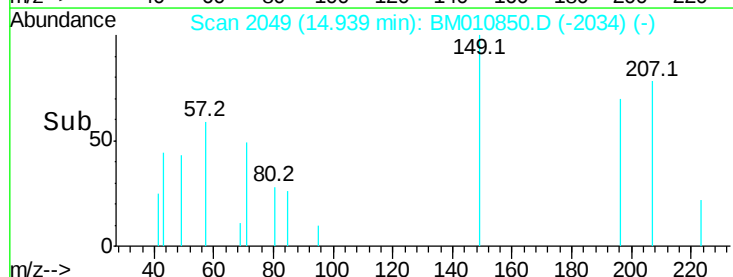
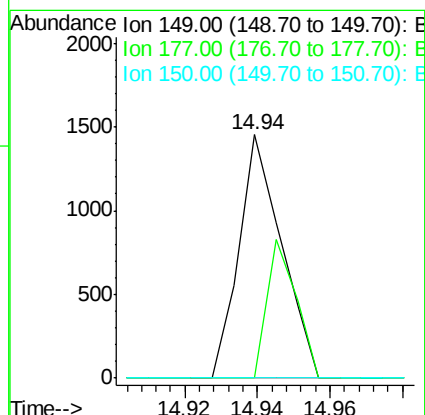
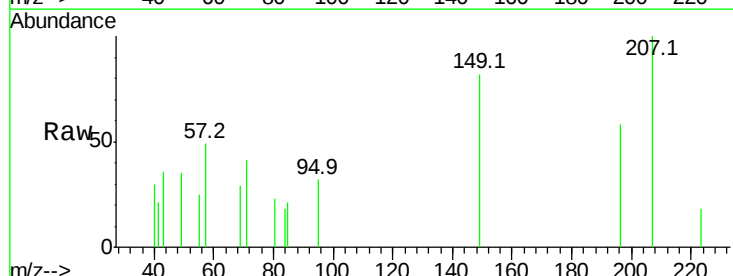
Instrument :  
 BNA\_M  
 ClientSampled :  
 NB-SB01B

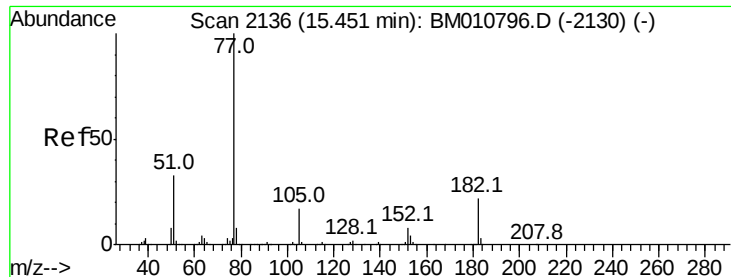
Tot Ion:232 Resp: 221  
 Ion Ratio Lower Upper  
 232 100  
 131 0.0 0.0 0.0  
 130 0.0 0.0 0.0  
 166 0.0 0.0 0.0



#59  
 Diethylphthalate  
 Concen: 0.028 ng  
 RT: 14.94 min Scan# 2049  
 Delta R.T. -0.01 min  
 Lab File: BM010850.D  
 Acq: 18 Jul 2017 00:33

Tgt Ion:149 Resp: 1190  
 Ion Ratio Lower Upper  
 149 100  
 177 0.0 18.3 27.5#  
 150 0.0 9.8 14.8#





#62

Azobenzene

Concen: 0.003 ng

RT: 15.43 min Scan# 2132

Delta R.T. -0.02 min

Lab File: BM010850.D

Acq: 18 Jul 2017 00:33

Instrument :

BNA\_M

ClientSampleId :

NB-SB01B

Tot Ion: 77 Resp: 147

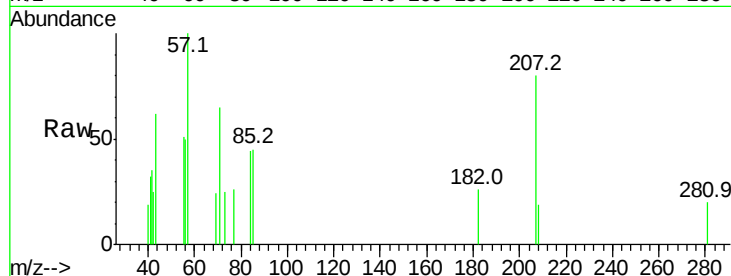
Ion Ratio Lower Upper

77 100

182 100.0 6.5 46.5#

105 0.0 3.8 43.8#

51 0.0 5.5 45.5#

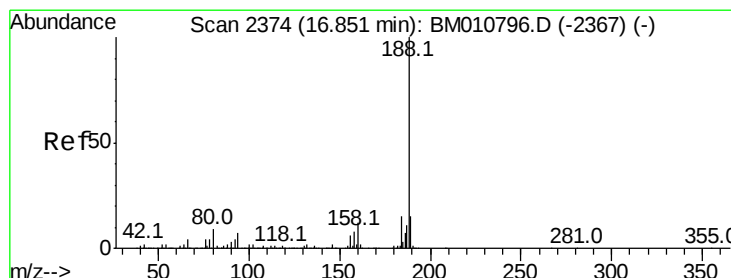
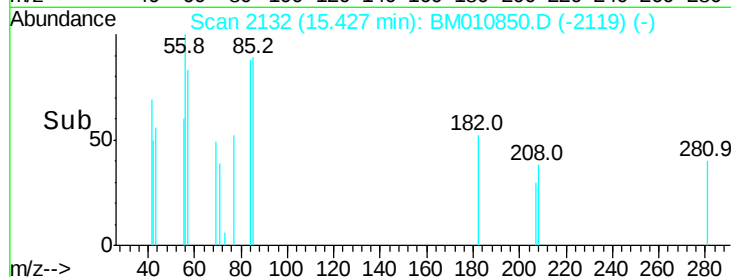
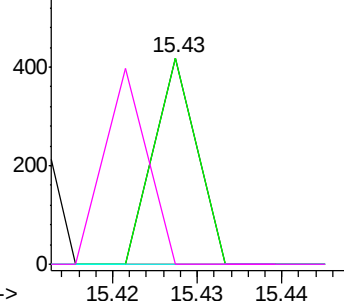


Abundance Ion 77.00 (76.70 to 77.70): BM0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BM0



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.84 min Scan# 2373

Delta R.T. -0.01 min

Lab File: BM010850.D

Acq: 18 Jul 2017 00:33

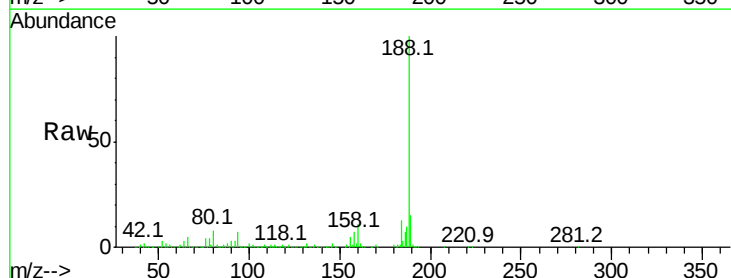
Tgt Ion:188 Resp: 1268075

Ion Ratio Lower Upper

188 100

94 6.6 8.7 13.1#

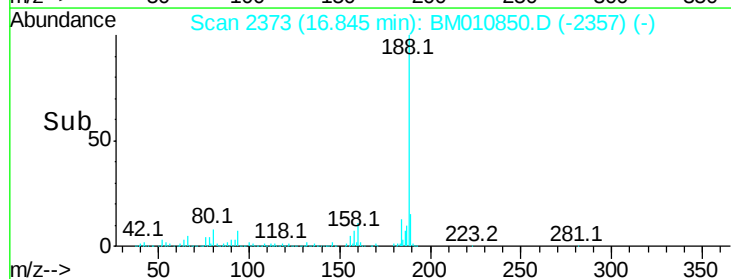
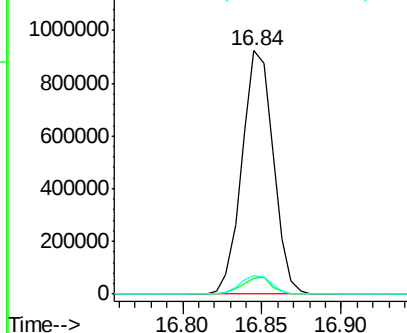
80 7.7 9.3 13.9#

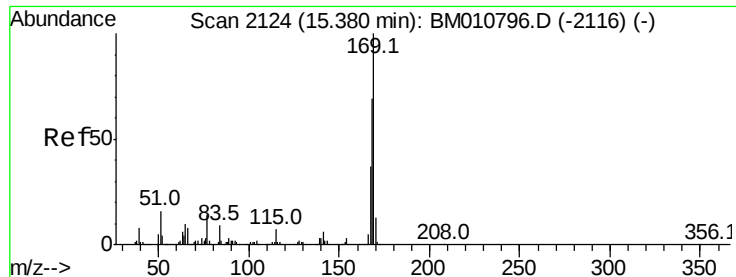


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0





#65

n-Nitrosodiphenylamine

Concen: 0.004 ng

RT: 15.40 min Scan# 2127

Delta R.T. 0.02 min

Lab File: BM010850.D

Acq: 18 Jul 2017 00:33

Instrument :

BNA\_M

ClientSampleId :

NB-SB01B

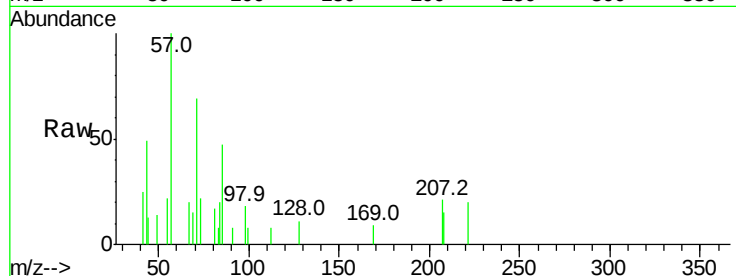
Tot Ion:169 Resp: 133

Ion Ratio Lower Upper

169 100

168 0.0 53.9 80.9#

167 0.0 28.9 43.3#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

800

600

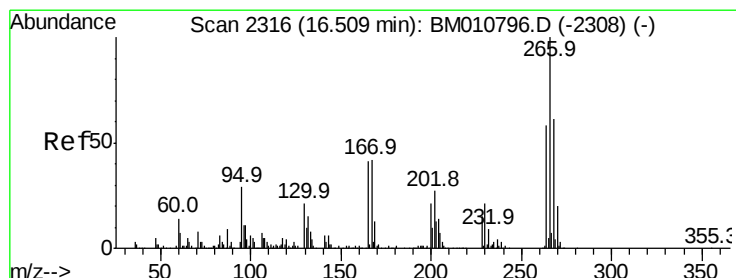
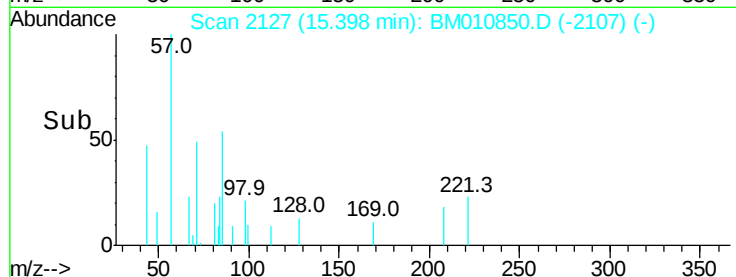
400

200

0

15.38 15.40

Time-->



#69

Pentachlorophenol

Concen: 0.029 ng

RT: 16.49 min Scan# 2312

Delta R.T. -0.02 min

Lab File: BM010850.D

Acq: 18 Jul 2017 00:33

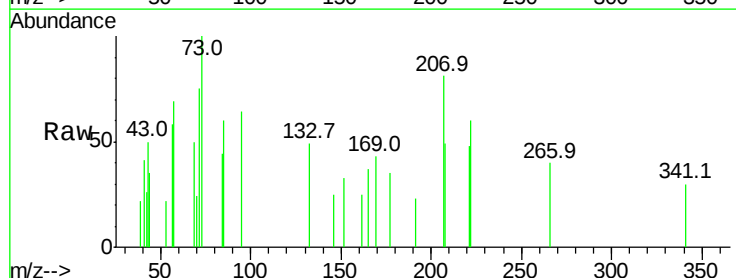
Tgt Ion:266 Resp: 345

Ion Ratio Lower Upper

266 100

268 0.0 52.0 78.0#

264 0.0 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

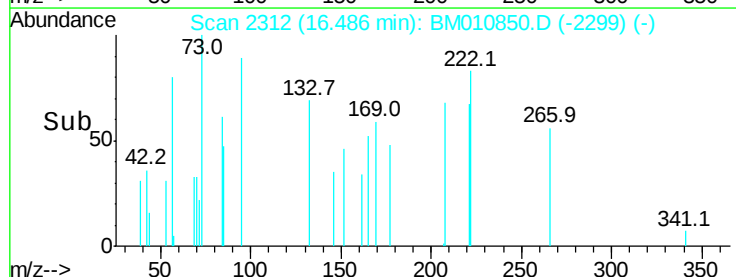
1000

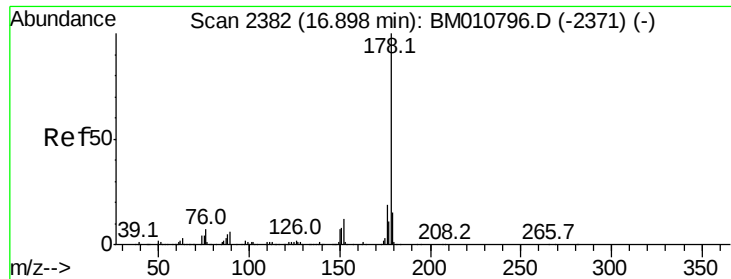
500

0

16.48 16.49

Time-->





#70

Phenanthrene

Concen: 0.002 ng

RT: 16.88 min Scan# 2379

Delta R.T. -0.02 min

Lab File: BM010850.D

Acq: 18 Jul 2017 00:33

Instrument :

BNA\_M

ClientSampleId :

NB-SB01B

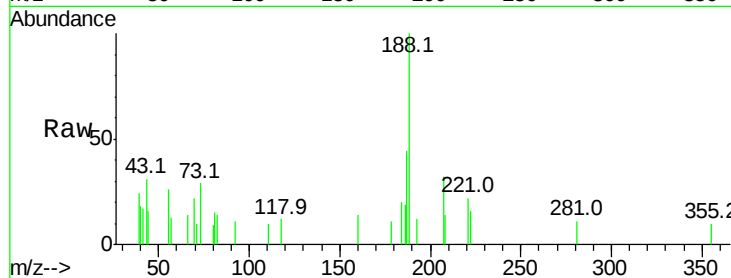
Tot Ion:178 Resp: 143

Ion Ratio Lower Upper

178 100

176 0.0 15.2 22.8#

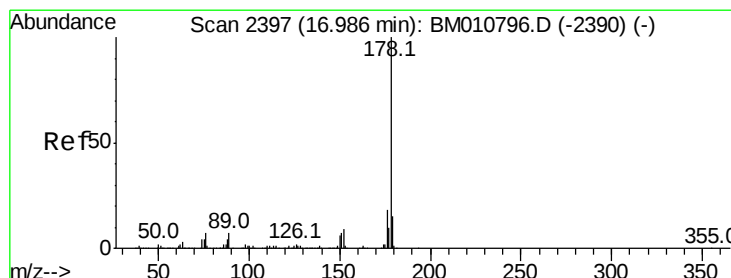
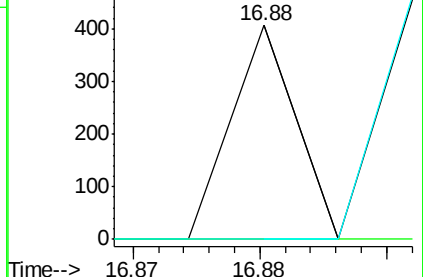
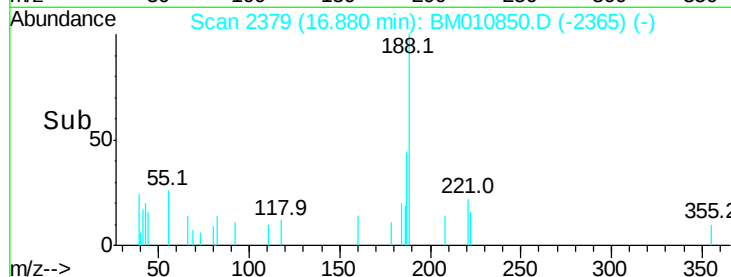
179 0.0 12.1 18.1#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 0.005 ng

RT: 16.90 min Scan# 2383

Delta R.T. -0.08 min

Lab File: BM010850.D

Acq: 18 Jul 2017 00:33

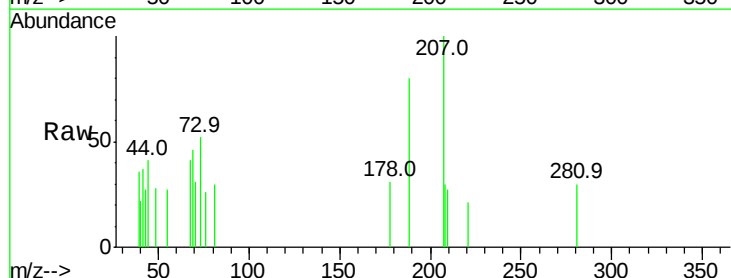
Tgt Ion:178 Resp: 331

Ion Ratio Lower Upper

178 100

176 0.0 14.6 22.0#

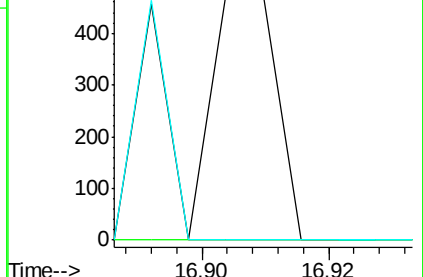
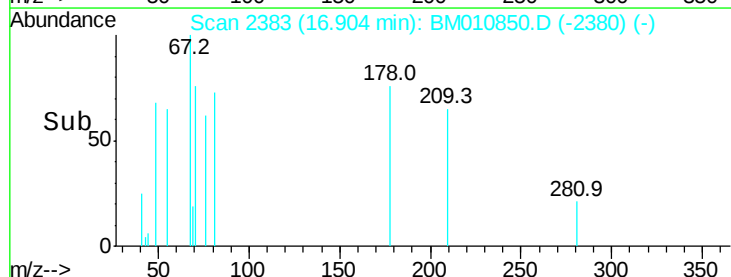
179 0.0 12.6 19.0#

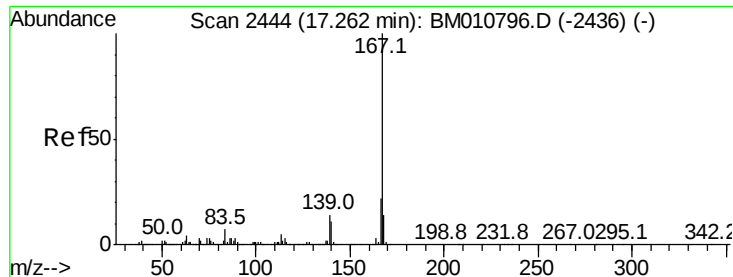


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 0.002 ng

RT: 17.17 min Scan# 2429

Delta R.T. -0.09 min

Lab File: BM010850.D

Acq: 18 Jul 2017 00:33

Instrument :

BNA\_M

ClientSampleId :

NB-SB01B

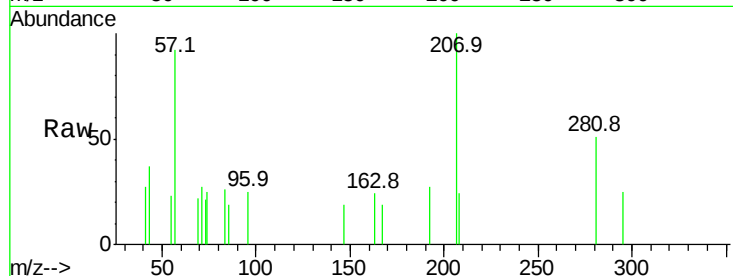
Tot Ion:167 Resp: 115

Ion Ratio Lower Upper

167 100

166 0.0 17.2 25.8#

139 0.0 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

17.17

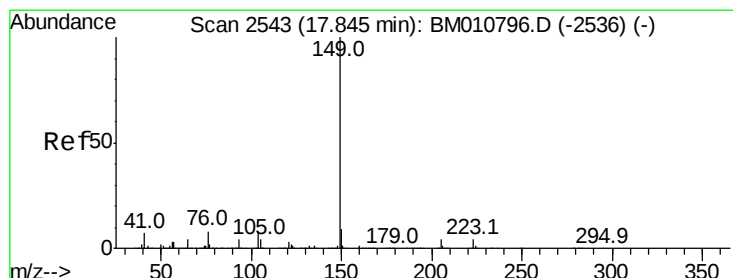
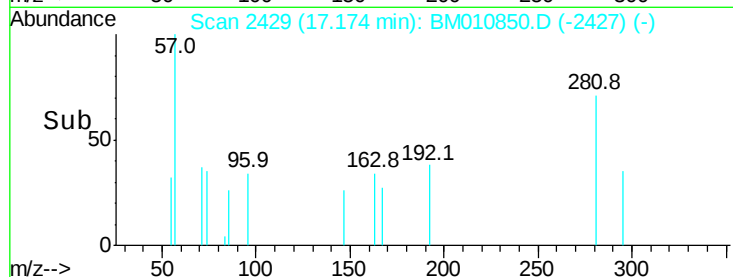
300

200

100

0

Time--> 17.16 17.17 17.18 17.19



#73

Di-n-butylphthalate

Concen: 0.018 ng

RT: 17.84 min Scan# 2543

Delta R.T. 0.00 min

Lab File: BM010850.D

Acq: 18 Jul 2017 00:33

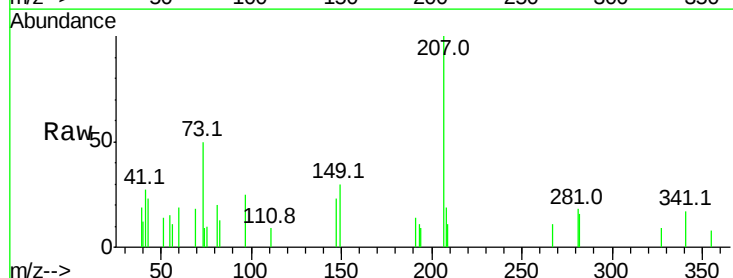
Tgt Ion:149 Resp: 1233

Ion Ratio Lower Upper

149 100

150 0.0 7.5 11.3#

104 0.0 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

17.84

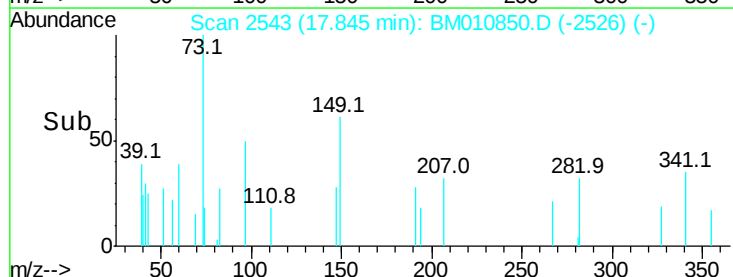
1500

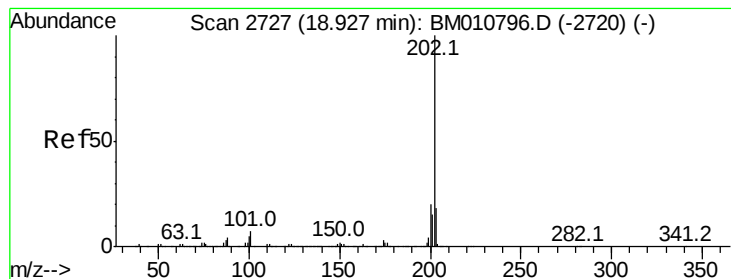
1000

500

0

Time--> 17.82 17.84 17.86





#74

Fluoranthene

Concen: 0.002 ng

RT: 18.92 min Scan# 2726

Delta R.T. -0.01 min

Lab File: BM010850.D

Acq: 18 Jul 2017 00:33

Instrument :

BNA\_M

ClientSampled :

NB-SB01B

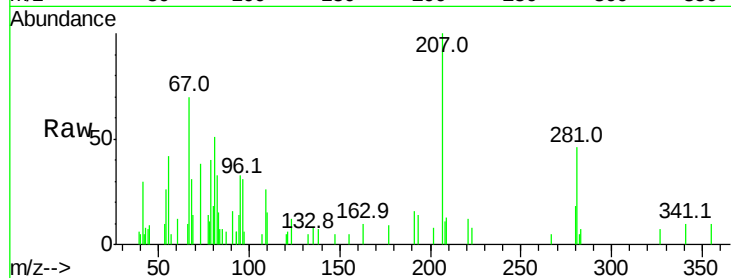
Tot Ion:202 Resp: 169

Ion Ratio Lower Upper

202 100

101 0.0 0.0 28.7

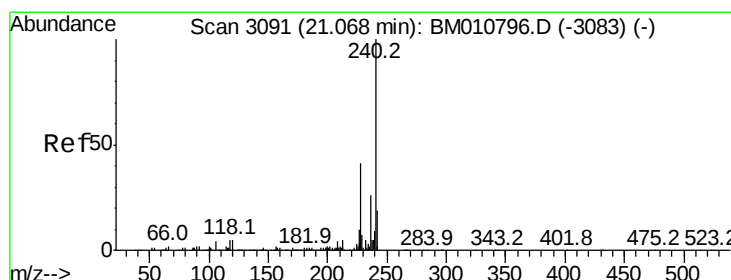
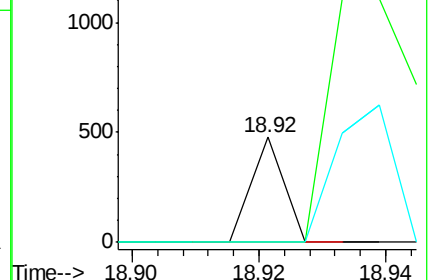
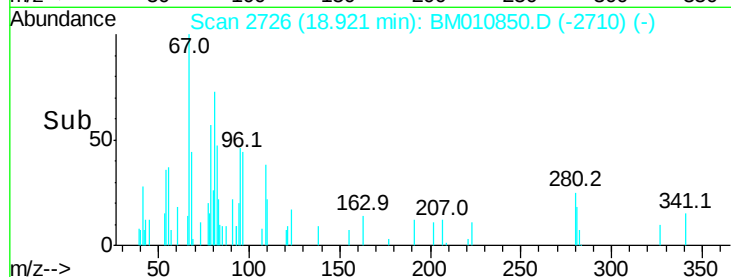
203 0.0 0.0 37.2



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: 20.000 ng

RT: 21.06 min Scan# 3090

Delta R.T. -0.01 min

Lab File: BM010850.D

Acq: 18 Jul 2017 00:33

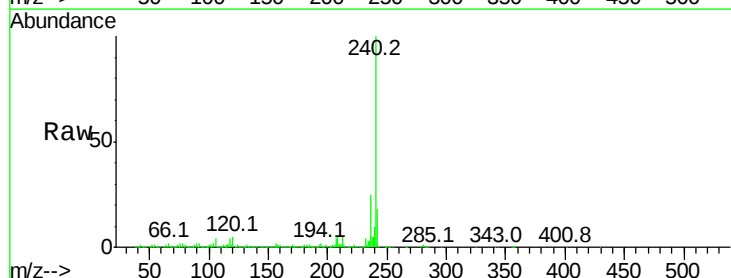
Tgt Ion:240 Resp: 1475386

Ion Ratio Lower Upper

240 100

120 4.6 8.2 12.2#

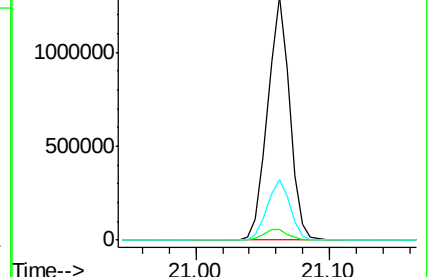
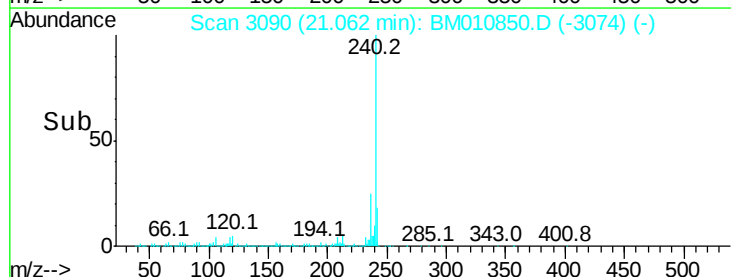
236 24.9 20.0 30.0

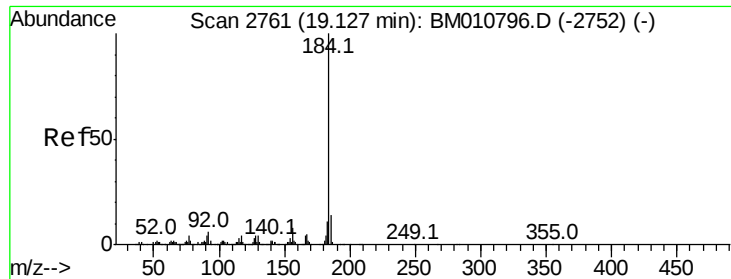


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 0.034 ng

RT: 19.13 min Scan# 2761

Delta R.T. 0.00 min

Lab File: BM010850.D

Acq: 18 Jul 2017 00:33

Instrument :

BNA\_M

ClientSampleId :

NB-SB01B

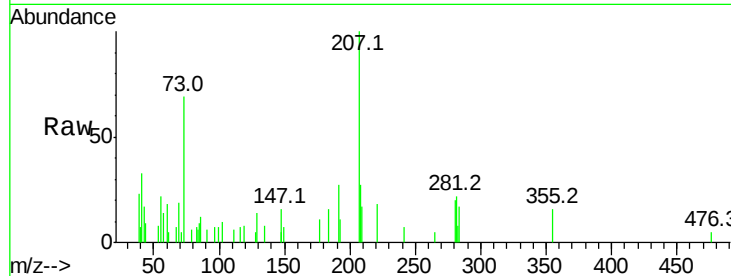
Tot Ion:184 Resp: 1353

Ion Ratio Lower Upper

184 100

185 0.0 11.3 16.9#

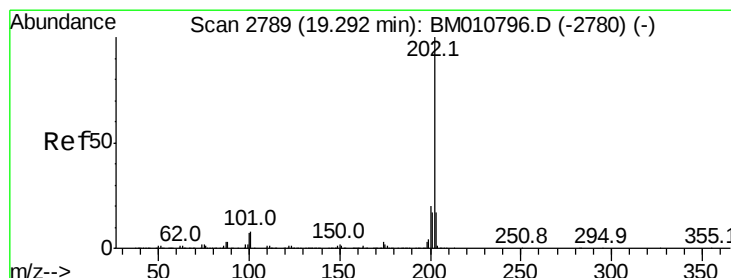
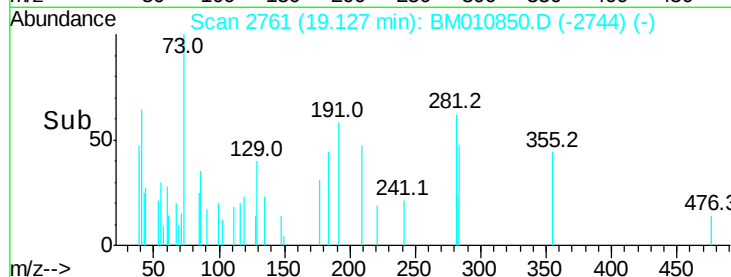
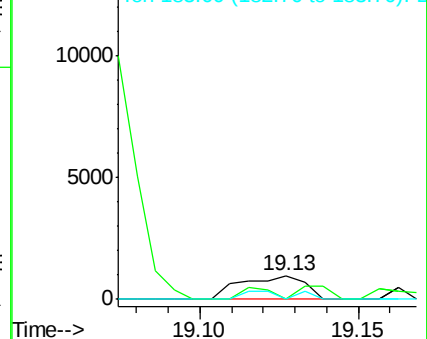
183 0.0 8.9 13.3#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#77

Pyrene

Concen: 0.003 ng

RT: 19.27 min Scan# 2786

Delta R.T. -0.02 min

Lab File: BM010850.D

Acq: 18 Jul 2017 00:33

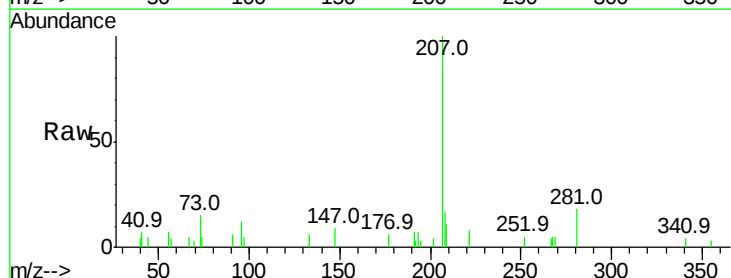
Tgt Ion:202 Resp: 259

Ion Ratio Lower Upper

202 100

200 0.0 16.9 25.3#

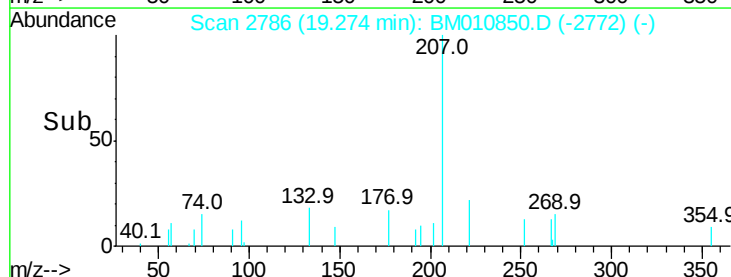
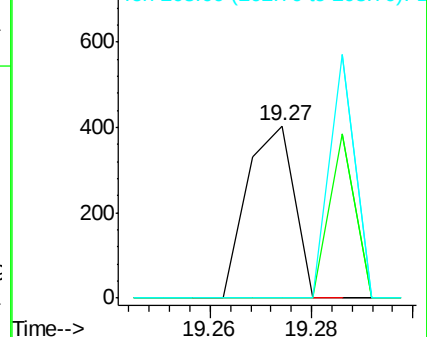
203 0.0 14.1 21.1#

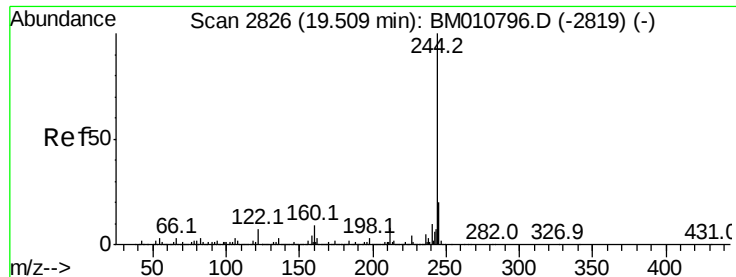


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 64.049 ng

RT: 19.51 min Scan# 2826

Delta R.T. 0.00 min

Lab File: BM010850.D

Acq: 18 Jul 2017 00:33

Instrument :

BNA\_M

ClientSampleId :

NB-SB01B

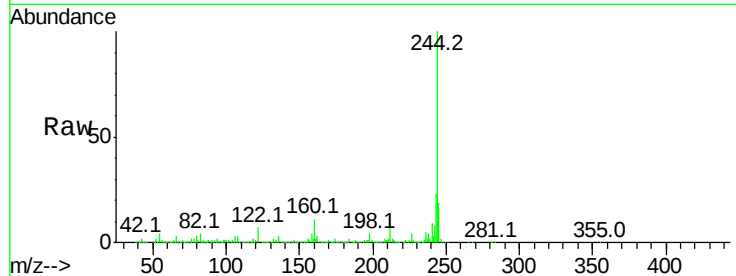
Tot Ion:244 Resp: 4885861

Ion Ratio Lower Upper

244 100

212 8.9 4.9 7.3#

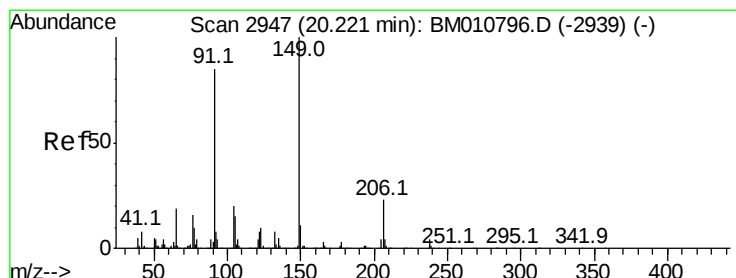
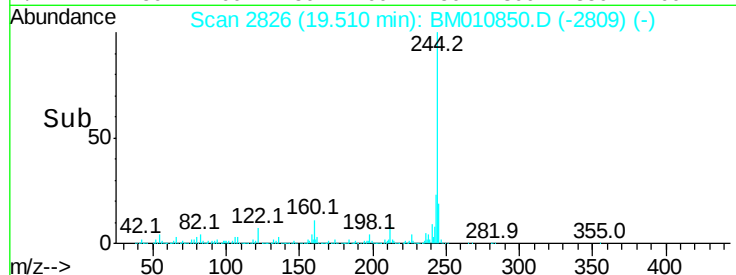
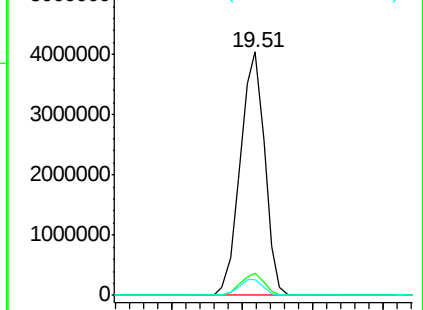
122 6.6 6.2 9.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#79

Butylbenzylphthalate

Concen: 0.045 ng

RT: 20.20 min Scan# 2944

Delta R.T. -0.02 min

Lab File: BM010850.D

Acq: 18 Jul 2017 00:33

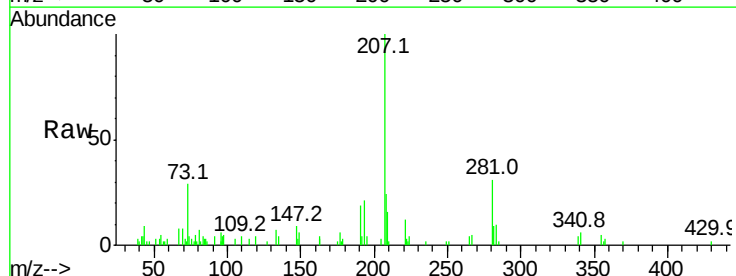
Tgt Ion:149 Resp: 1334

Ion Ratio Lower Upper

149 100

91 62.8 50.1 75.1

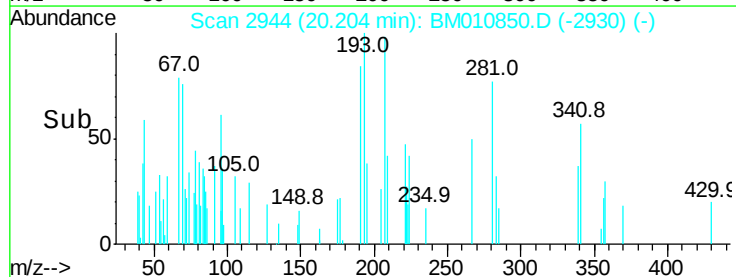
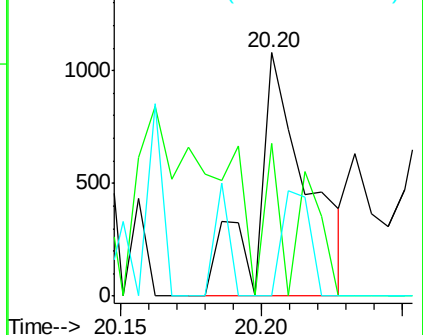
206 0.0 16.2 24.2#

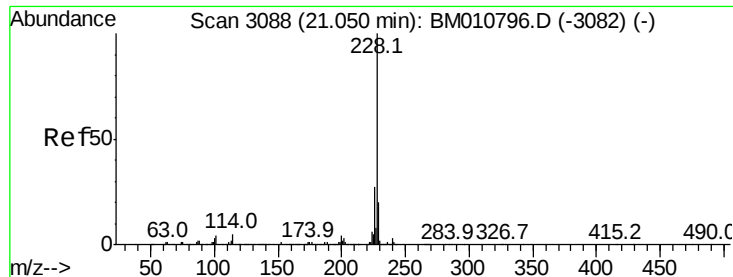


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): E

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 0.052 ng

RT: 21.06 min Scan# 3089

Delta R.T. 0.01 min

Lab File: BM010850.D

Acq: 18 Jul 2017 00:33

Instrument :

BNA\_M

ClientSampleId :

NB-SB01B

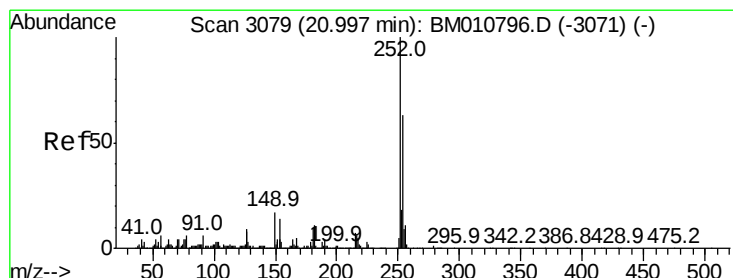
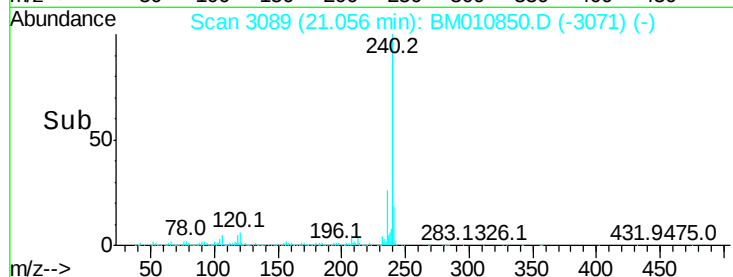
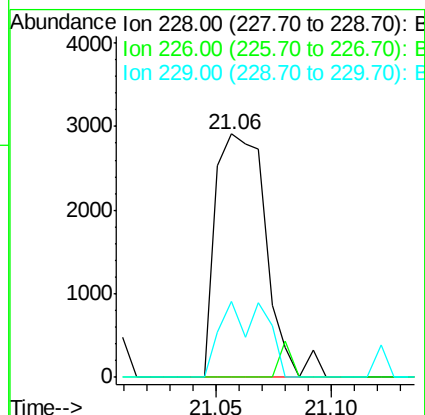
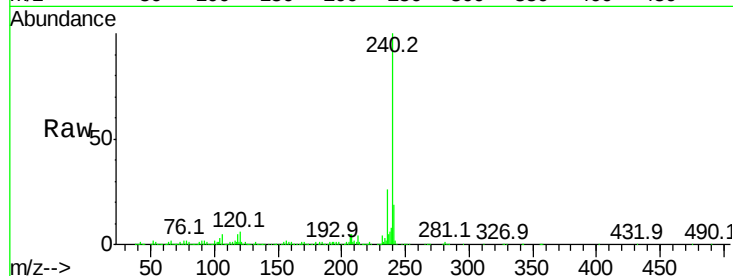
Tot Ion:228 Resp: 4420

Ion Ratio Lower Upper

228 100

226 0.0 21.7 32.5#

229 31.1 16.0 24.0#



#81

3,3'-Dichlorobenzidine

Concen: 0.036 ng

RT: 20.99 min Scan# 3078

Delta R.T. -0.01 min

Lab File: BM010850.D

Acq: 18 Jul 2017 00:33

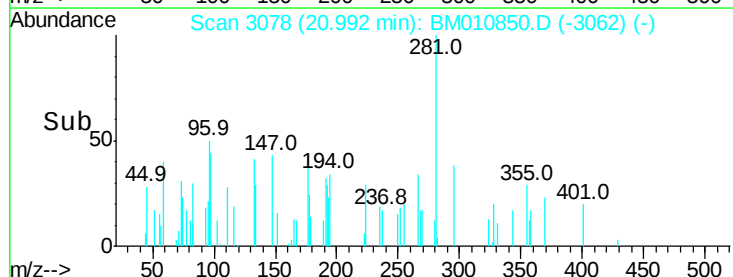
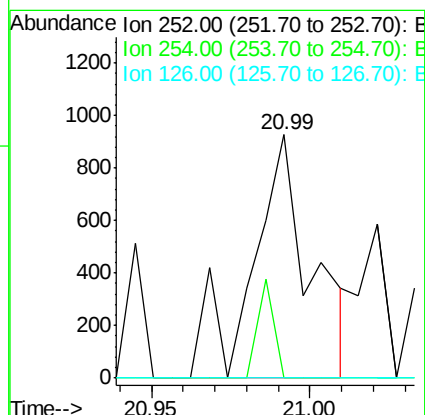
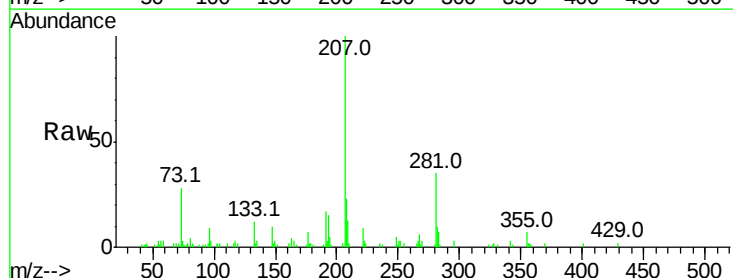
Tgt Ion:252 Resp: 1196

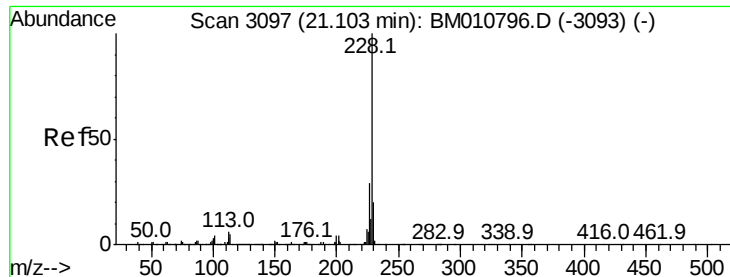
Ion Ratio Lower Upper

252 100

254 0.0 51.9 77.9#

126 0.0 9.8 14.8#





#82

Chrysene

Concen: 0.054 ng

RT: 21.06 min Scan# 3089

Delta R.T. -0.05 min

Lab File: BM010850.D

Acq: 18 Jul 2017 00:33

Instrument :

BNA\_M

ClientSampleId :

NB-SB01B

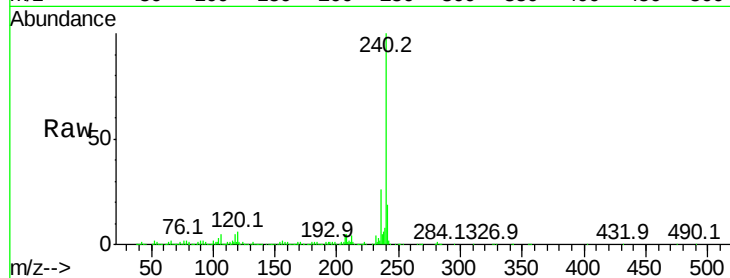
Tot Ion:228 Resp: 4420

Ion Ratio Lower Upper

228 100

226 0.0 24.1 36.1#

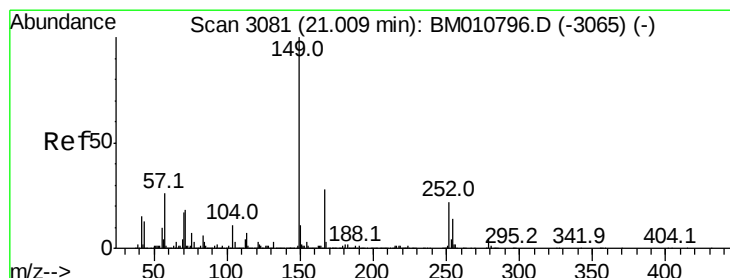
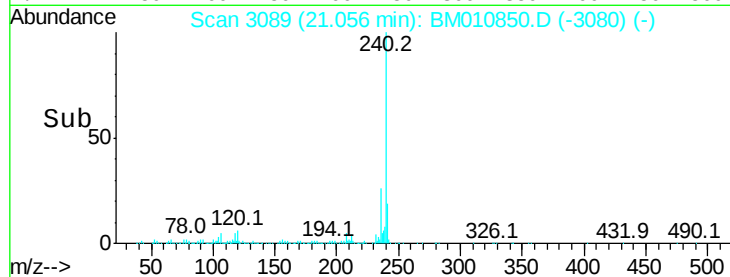
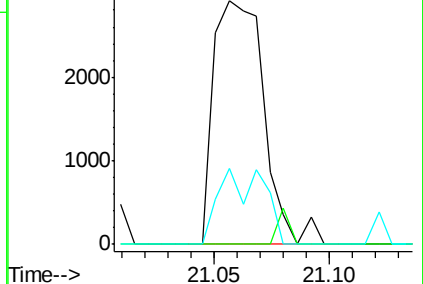
229 31.1 15.5 23.3#



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 0.115 ng

RT: 21.00 min Scan# 3080

Delta R.T. -0.01 min

Lab File: BM010850.D

Acq: 18 Jul 2017 00:33

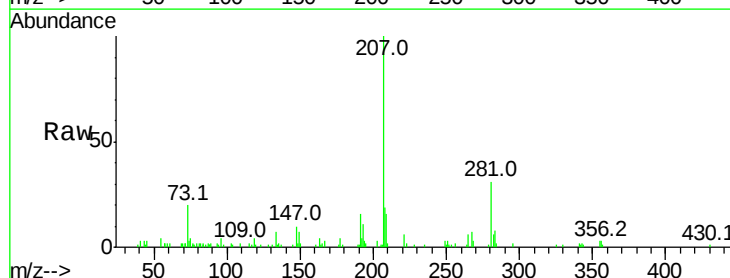
Tgt Ion:149 Resp: 5009

Ion Ratio Lower Upper

149 100

167 43.6 22.4 33.6#

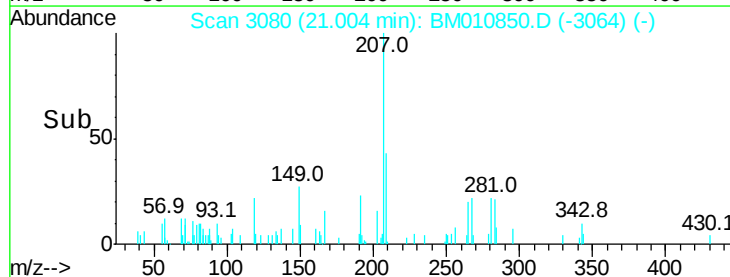
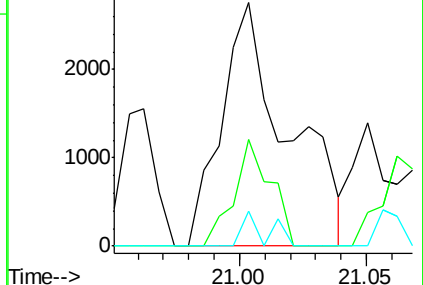
279 14.2 3.4 5.0#

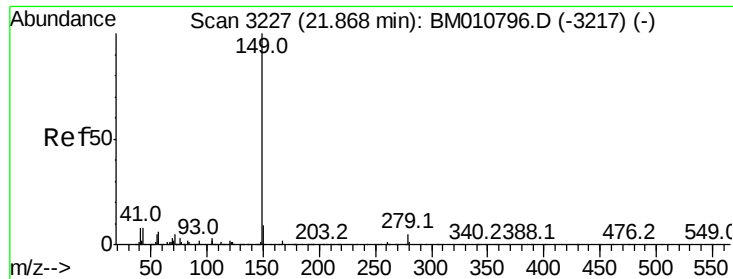


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Di-n-octyl phthalate

Concen: 0.042 ng

RT: 21.89 min Scan# 3230

Delta R.T. 0.02 min

Lab File: BM010850.D

Acq: 18 Jul 2017 00:33

Instrument :

BNA\_M

ClientSampleId :

NB-SB01B

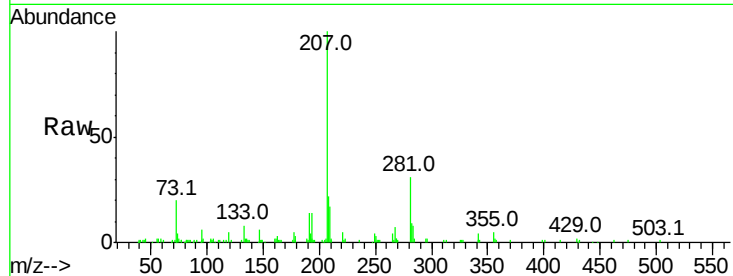
Tot Ion:149 Resp: 3013

Ion Ratio Lower Upper

149 100

167 19.8 1.2 1.8#

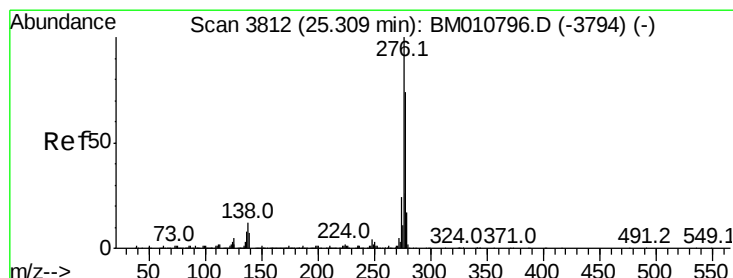
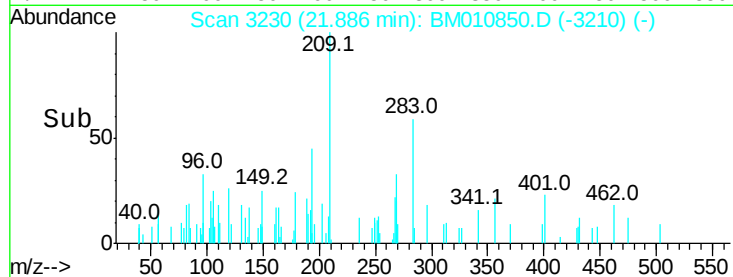
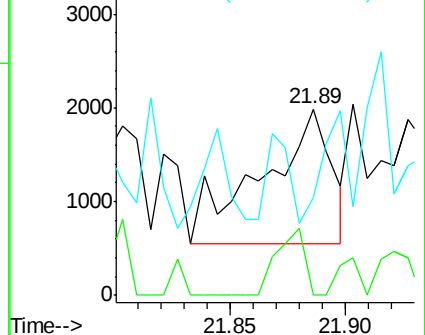
43 21.2 7.3 10.9#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BM



#85

Indeno(1,2,3-cd)pyrene

Concen: 0.006 ng

RT: 25.29 min Scan# 3809

Delta R.T. -0.02 min

Lab File: BM010850.D

Acq: 18 Jul 2017 00:33

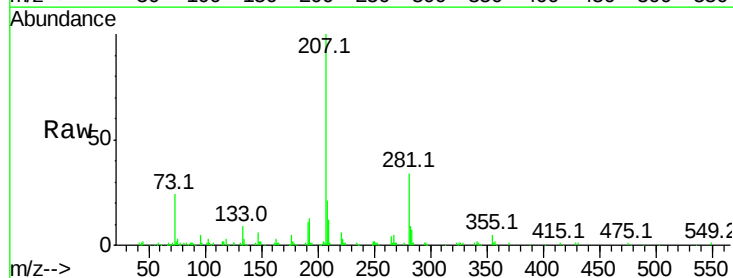
Tgt Ion:276 Resp: 567

Ion Ratio Lower Upper

276 100

138 25.7 0.0 0.0#

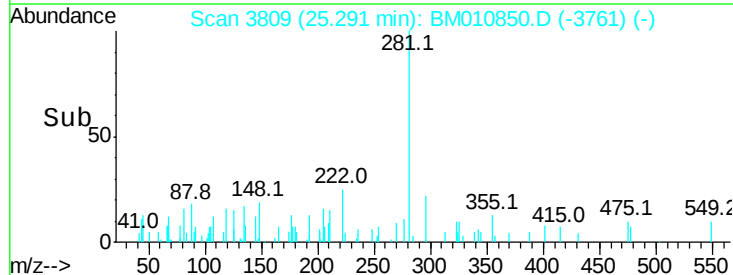
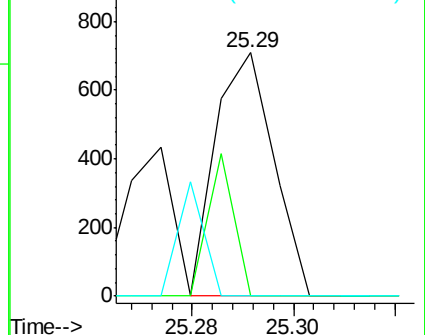
277 20.6 0.0 0.0#

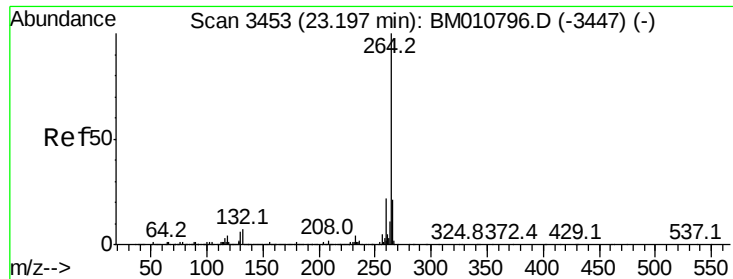


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



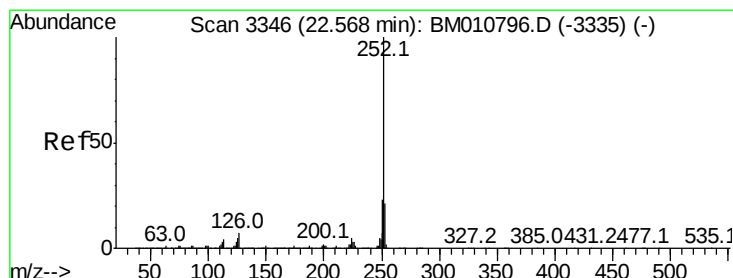
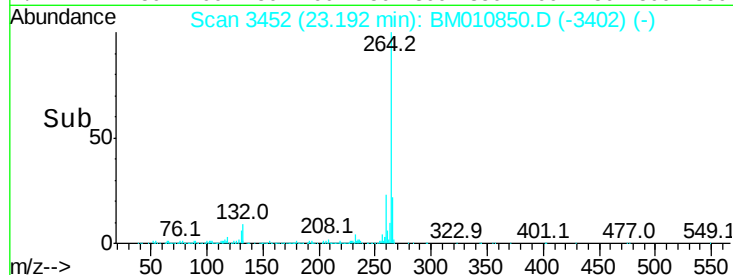
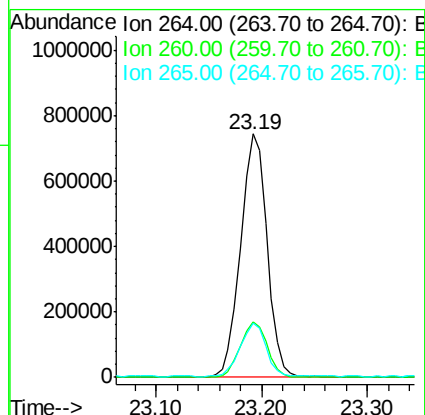
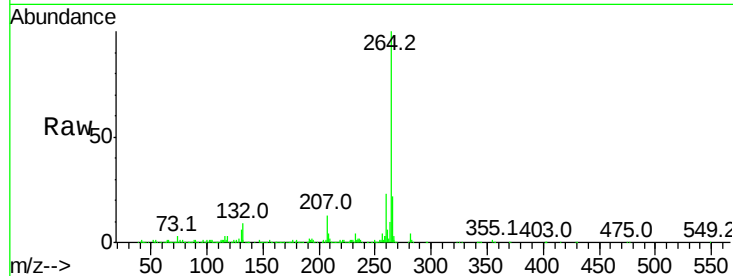


#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 23.19 min Scan# 3452  
Delta R.T. -0.01 min  
Lab File: BM010850.D  
Acq: 18 Jul 2017 00:33

Instrument :  
BNA\_M  
ClientSampleId :  
NB-SB01B

Tot Ion:264 Resp: 1287919  

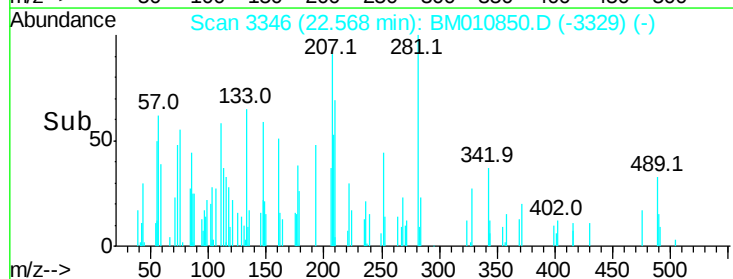
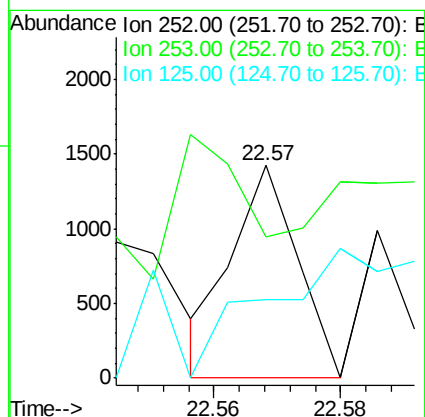
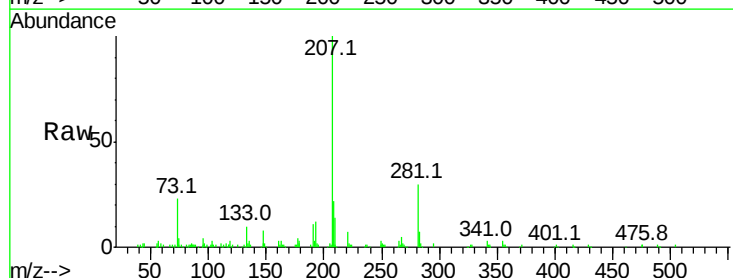
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 22.8  | 18.6  | 27.8  |
| 265 | 22.1  | 17.3  | 25.9  |

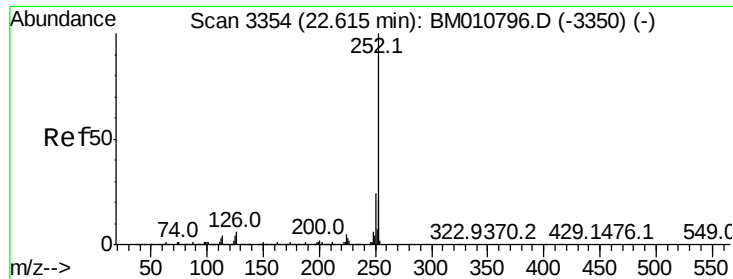


#87  
Benzo(b)fluoranthene  
Concen: 0.012 ng  
RT: 22.57 min Scan# 3346  
Delta R.T. 0.00 min  
Lab File: BM010850.D  
Acq: 18 Jul 2017 00:33

Tgt Ion:252 Resp: 1015  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 66.5  | 18.0  | 27.0# |
| 125 | 37.1  | 9.9   | 14.9# |





#88

Benzo(k)fluoranthene

Concen: 0.016 ng

RT: 22.60 min Scan# 3351

Delta R.T. -0.02 min

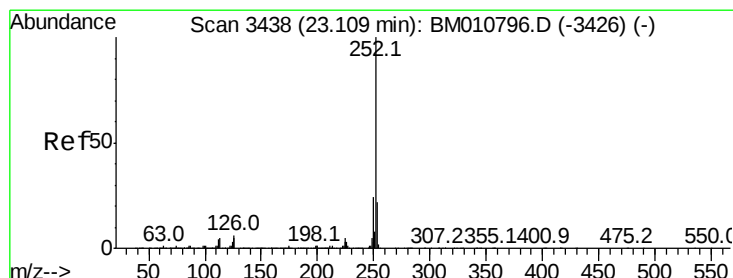
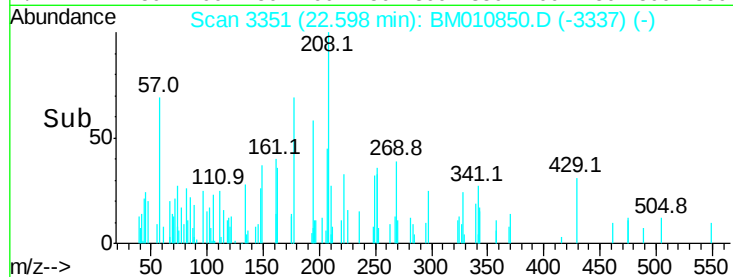
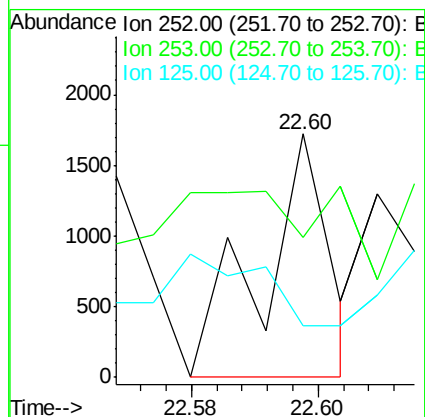
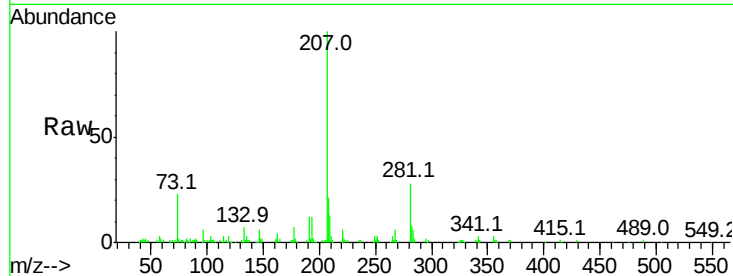
Lab File: BM010850.D

Acq: 18 Jul 2017 00:33

Instrument :  
BNA\_M  
ClientSampleId :  
NB-SB01B

Tot Ion:252 Resp: 1262

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 57.6  | 17.2  | 25.8# |
| 125 | 21.0  | 8.1   | 12.1# |



#89

Benzo(a)pyrene

Concen: 0.024 ng

RT: 23.09 min Scan# 3434

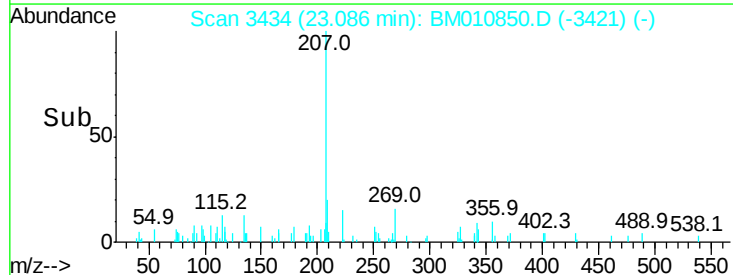
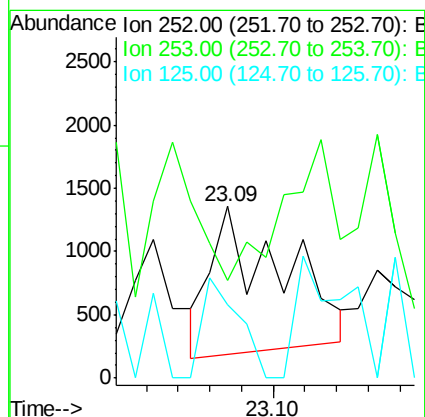
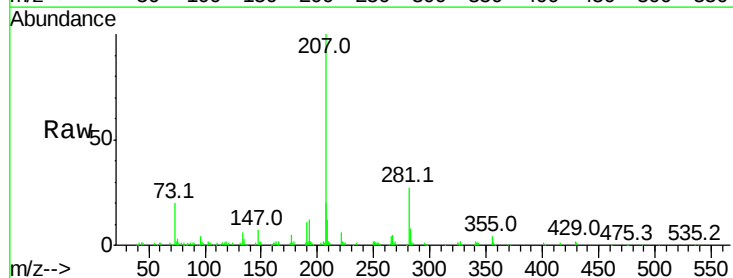
Delta R.T. -0.02 min

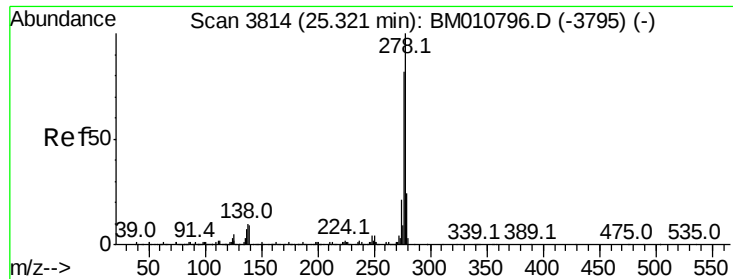
Lab File: BM010850.D

Acq: 18 Jul 2017 00:33

Tgt Ion:252 Resp: 1813

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 57.2  | 17.6  | 26.4# |
| 125 | 42.6  | 7.4   | 11.2# |





#90

Dibenzo(a,h)anthracene

Concen: 0.002 ng

RT: 25.34 min Scan# 3817

Delta R.T. 0.02 min

Lab File: BM010850.D

Acq: 18 Jul 2017 00:33

Instrument :

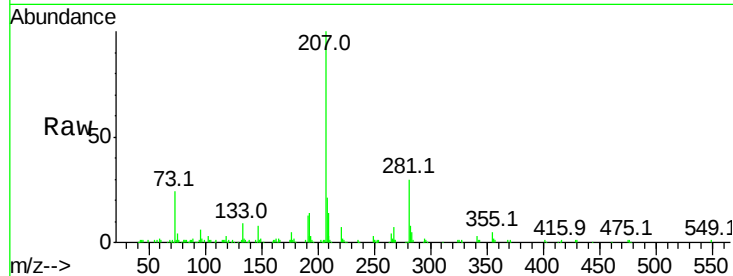
BNA\_M

ClientSampleId :

NB-SB01B

Tot Ion:278 Resp: 147

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 278 | 100   |       |       |
| 139 | 140.0 | 13.4  | 20.0# |
| 279 | 88.0  | 19.0  | 28.4# |

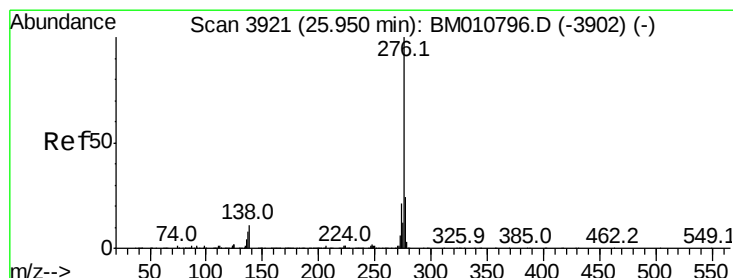
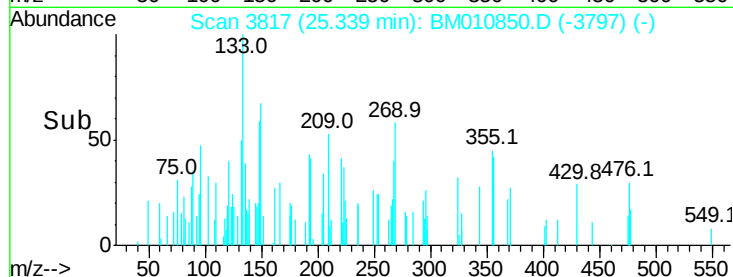
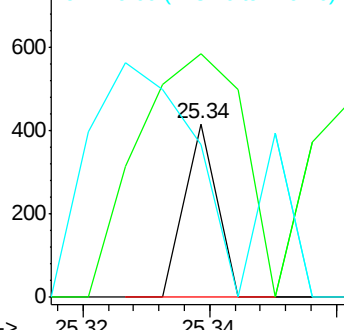


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 0.005 ng

RT: 25.94 min Scan# 3919

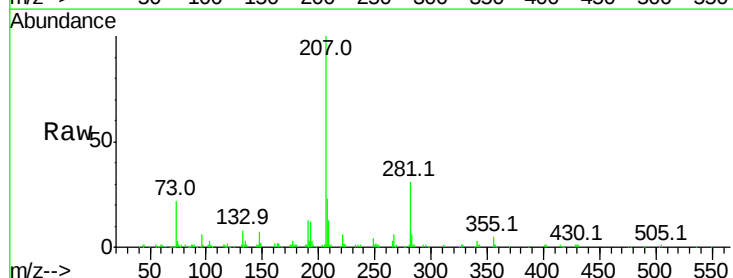
Delta R.T. -0.01 min

Lab File: BM010850.D

Acq: 18 Jul 2017 00:33

Tgt Ion:276 Resp: 365

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 277 | 61.4  | 18.5  | 27.7# |
| 138 | 0.0   | 19.0  | 28.6# |



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

