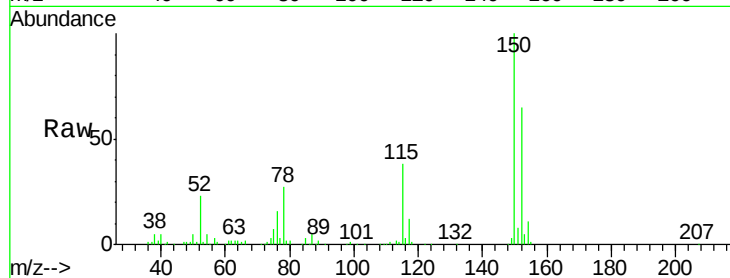


#1

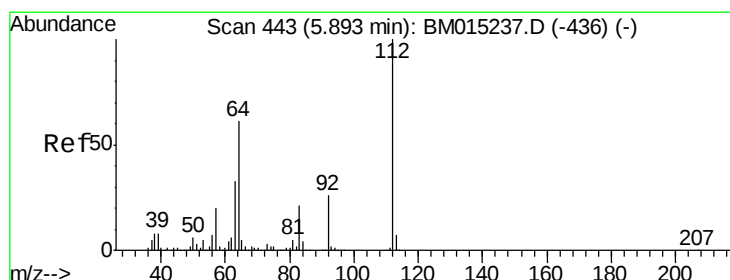
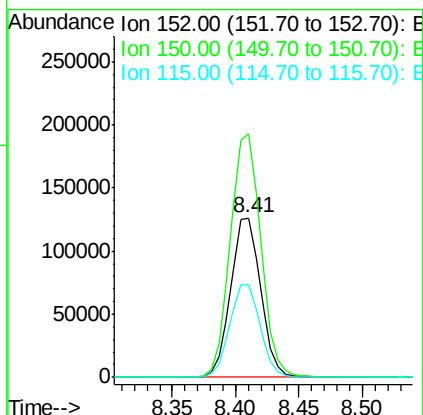
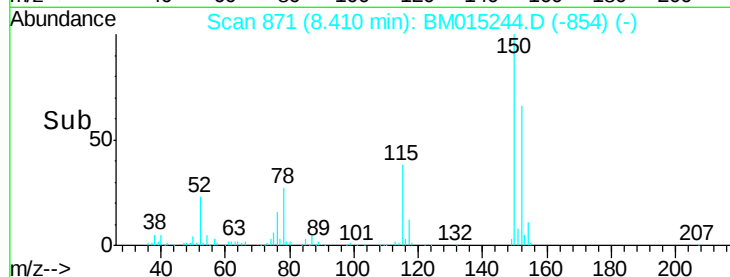
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.41 min Scan# 871
Delta R.T. 0.00 min
Lab File: BM015244.D
Acq: 22 May 2018 17:32

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018

Tgt Ion:152 Resp: 206663
Ion Ratio Lower Upper
152 100
150 152.9 119.5 179.3
115 58.3 43.0 64.4



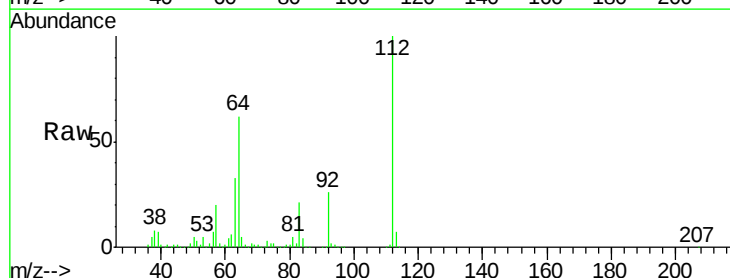
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



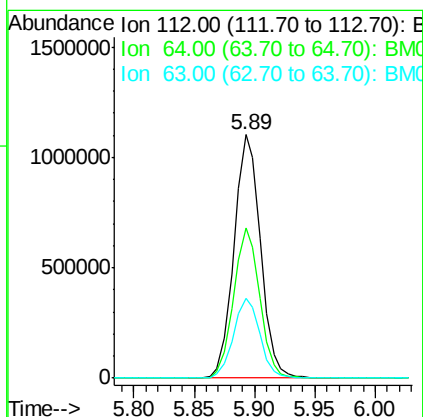
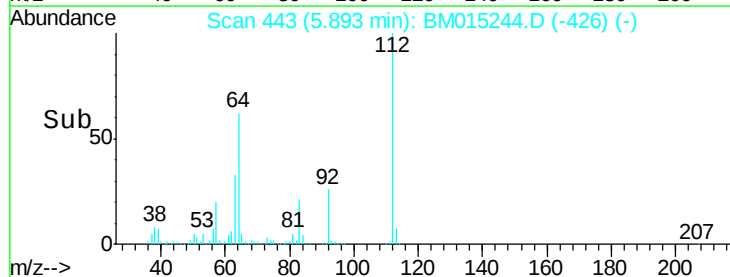
#5

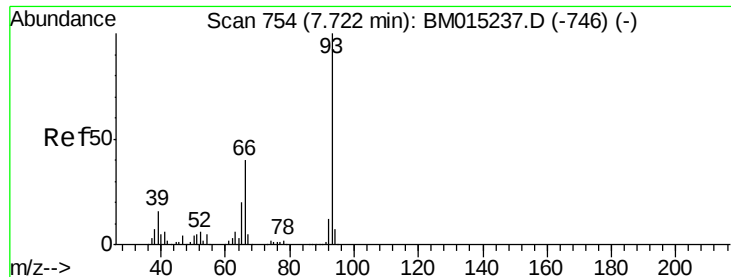
2-Fluorophenol
Concen: 133.752 ng
RT: 5.89 min Scan# 443
Delta R.T. 0.00 min
Lab File: BM015244.D
Acq: 22 May 2018 17:32

Tgt Ion:112 Resp: 1689505
Ion Ratio Lower Upper
112 100
64 61.9 38.6 57.8#
63 32.8 19.3 28.9#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BM0
Ion 63.00 (62.70 to 63.70): BM0





#6

Aniline

Concen: 0.810 ng

RT: 7.73 min Scan# 755

Delta R.T. 0.01 min

Lab File: BM015244.D

Acq: 22 May 2018 17:32

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2018

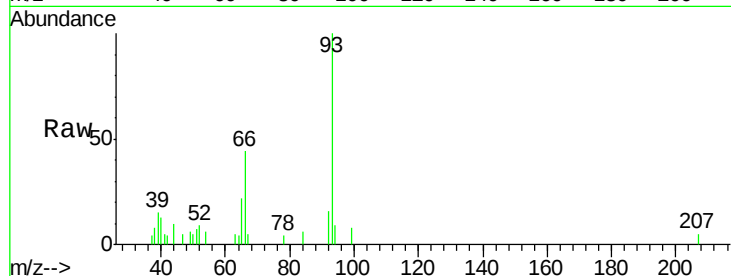
Tgt Ion: 93 Resp: 16414

Ion Ratio Lower Upper

93 100

66 44.0 30.8 46.2

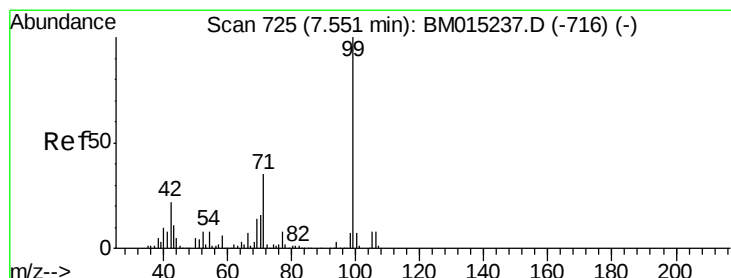
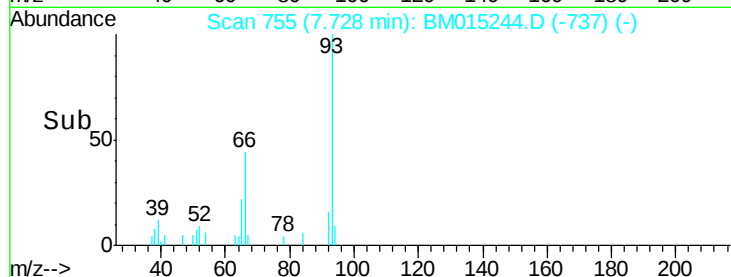
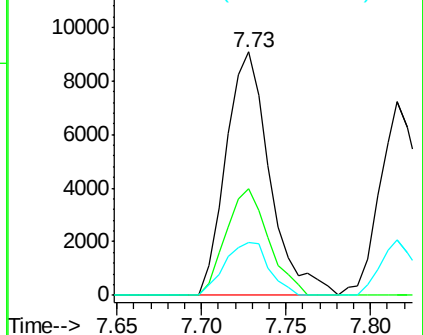
65 21.9 16.0 24.0



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

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

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



#7

Phenol-d6

Concen: 130.046 ng

RT: 7.55 min Scan# 724

Delta R.T. 0.00 min

Lab File: BM015244.D

Acq: 22 May 2018 17:32

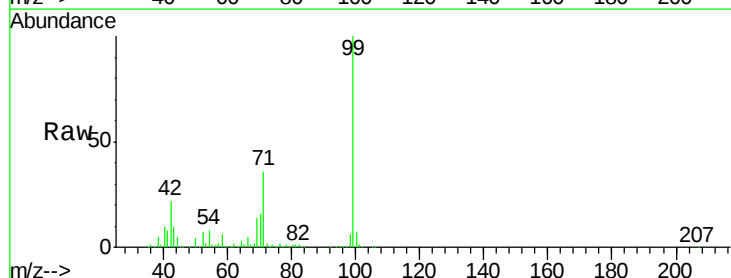
Tgt Ion: 99 Resp: 2139096

Ion Ratio Lower Upper

99 100

42 22.3 11.0 16.4#

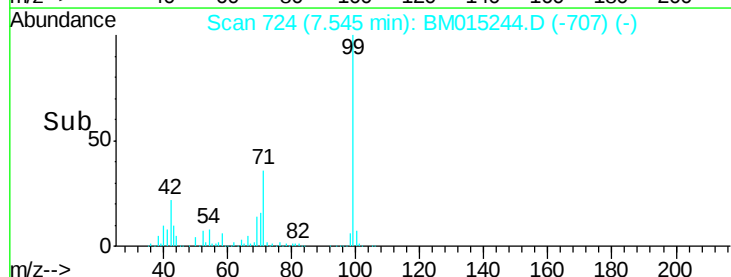
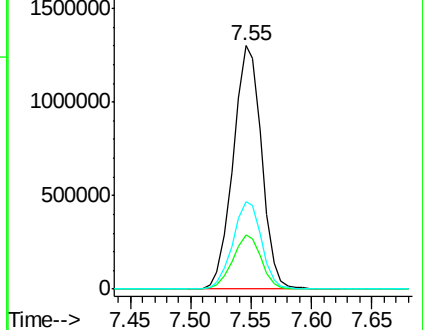
71 36.1 23.4 35.2#

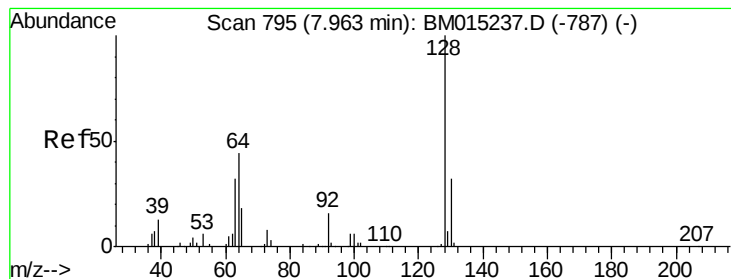


Abundance Ion 99.00 (98.70 to 99.70): BM015237.D (-716) (-)

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

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





#8

2-Chlorophenol

Concen: 0.955 ng

RT: 7.96 min Scan# 795

Delta R.T. 0.00 min

Lab File: BM015244.D

Acq: 22 May 2018 17:32

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2018

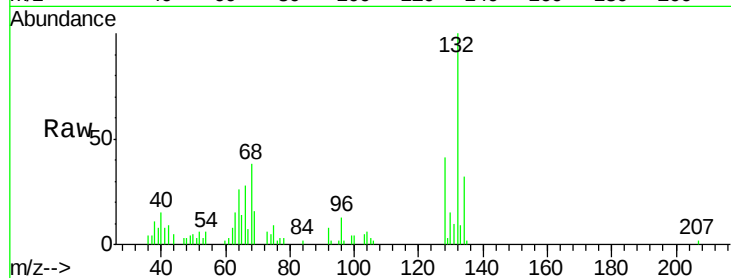
Tgt Ion:128 Resp: 13608

Ion Ratio Lower Upper

128 100

130 35.7 12.0 52.0

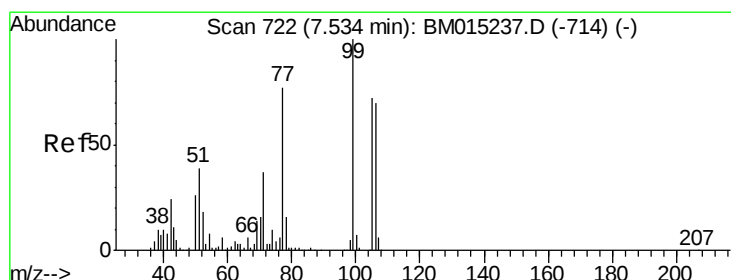
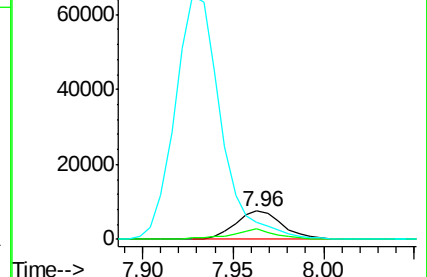
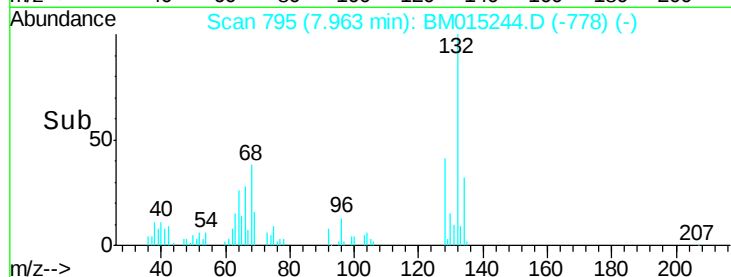
64 62.5 24.9 64.9



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: 0.946 ng

RT: 7.55 min Scan# 725

Delta R.T. 0.02 min

Lab File: BM015244.D

Acq: 22 May 2018 17:32

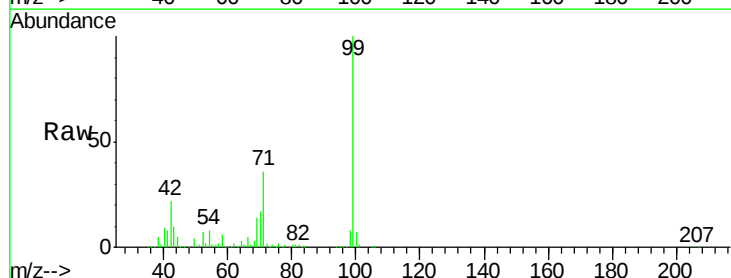
Tgt Ion: 77 Resp: 9839

Ion Ratio Lower Upper

77 100

105 47.9 78.8 118.8#

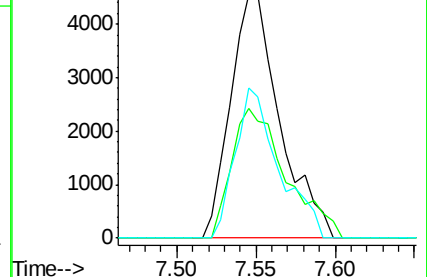
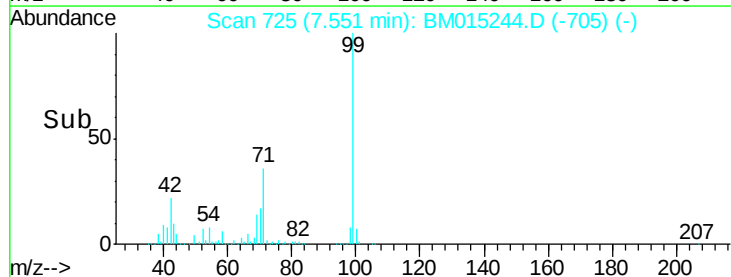
106 58.1 73.7 113.7#

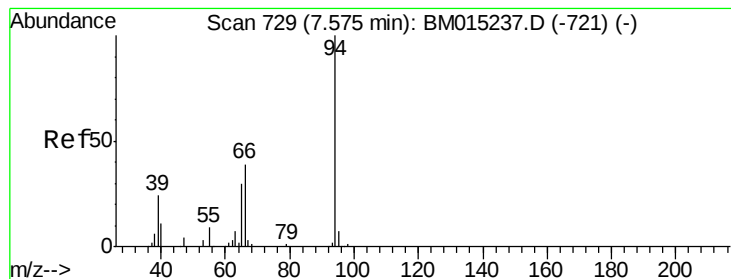


Abundance Ion 77.00 (76.70 to 77.70): BM

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 0.960 ng

RT: 7.57 min Scan# 729

Delta R.T. 0.00 min

Lab File: BM015244.D

Acq: 22 May 2018 17:32

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2018

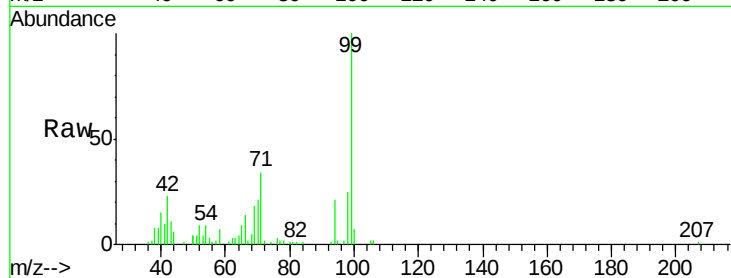
Tgt Ion: 94 Resp: 16031

Ion Ratio Lower Upper

94 100

65 39.7 18.8 58.8

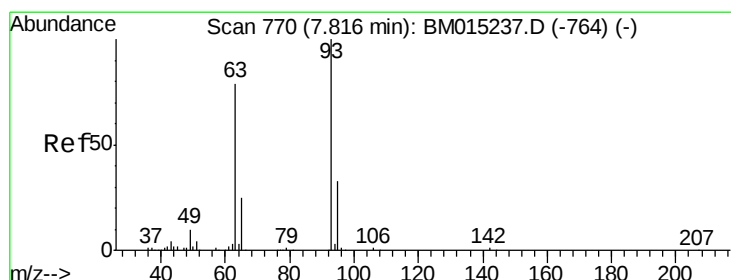
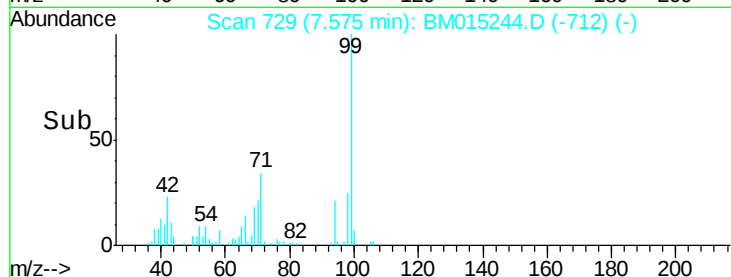
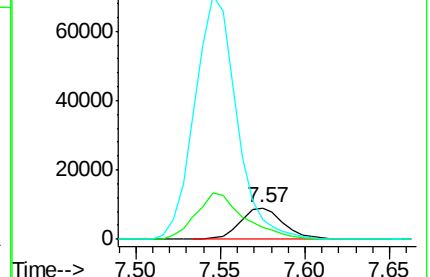
66 64.6 39.9 79.9



Abundance Ion 94.00 (93.70 to 94.70): BM015237.D (-721) (-)

Ion 65.00 (64.70 to 65.70): BM015237.D (-721) (-)

Ion 66.00 (65.70 to 66.70): BM015237.D (-721) (-)



#11

bis(2-Chloroethyl)ether

Concen: 0.965 ng

RT: 7.82 min Scan# 770

Delta R.T. 0.01 min

Lab File: BM015244.D

Acq: 22 May 2018 17:32

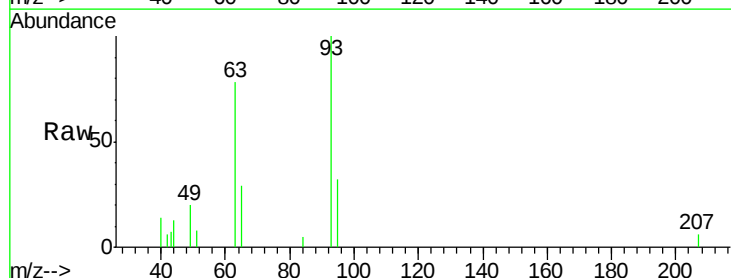
Tgt Ion: 93 Resp: 12783

Ion Ratio Lower Upper

93 100

63 78.0 49.5 89.5

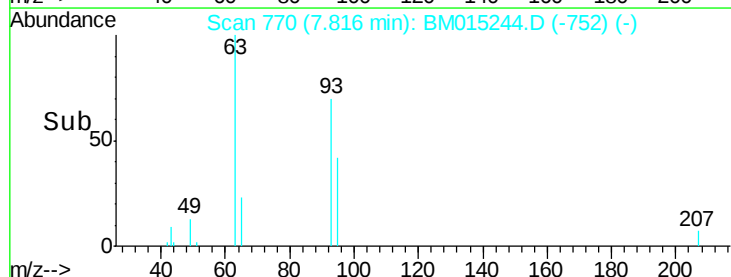
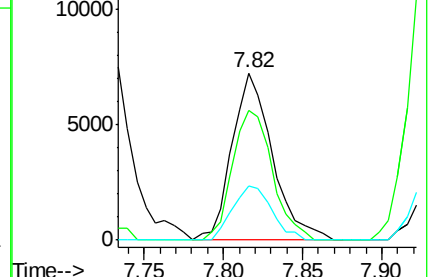
95 32.5 13.5 53.5

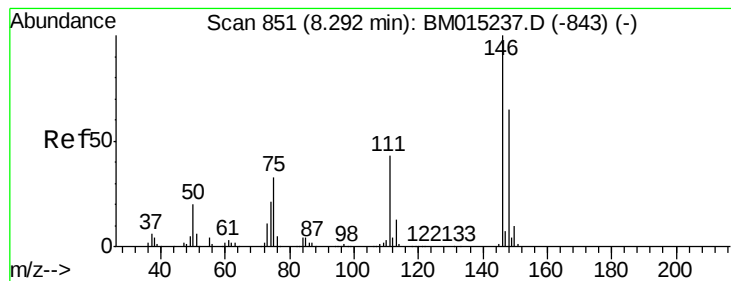


Abundance Ion 93.00 (92.70 to 93.70): BM015237.D (-764) (-)

Ion 63.00 (62.70 to 63.70): BM015237.D (-764) (-)

Ion 95.00 (94.70 to 95.70): BM015237.D (-764) (-)





#12

1,3-Dichlorobenzene

Concen: 0.992 ng

RT: 8.30 min Scan# 852

Delta R.T. 0.01 min

Lab File: BM015244.D

Acq: 22 May 2018 17:32

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2018

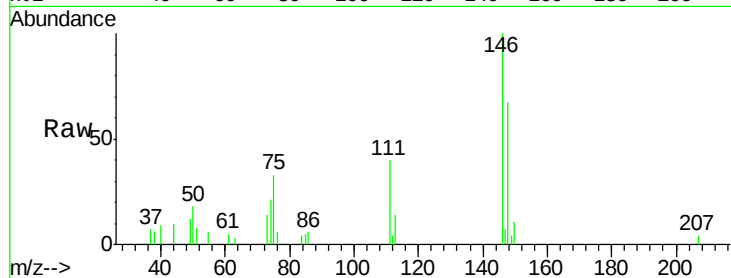
Tgt Ion:146 Resp: 16127

Ion Ratio Lower Upper

146 100

148 67.0 50.9 76.3

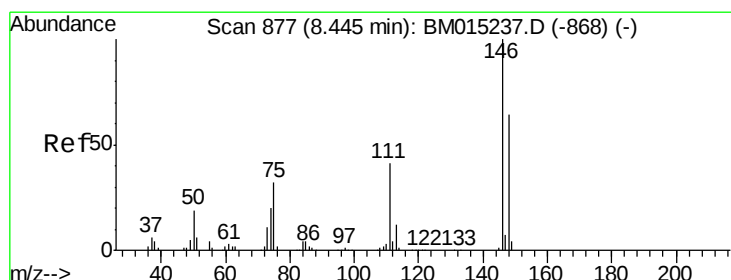
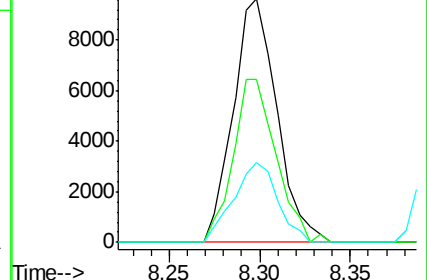
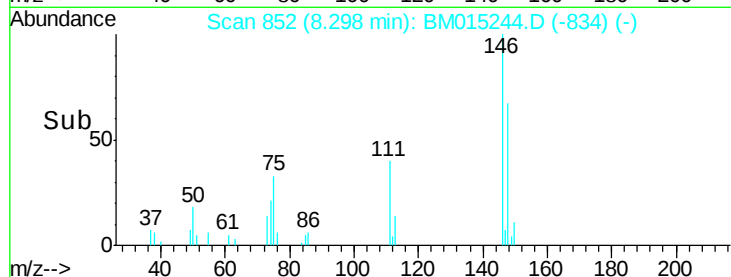
75 32.6 21.4 32.2#



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BM



#13

1,4-Dichlorobenzene

Concen: 0.981 ng

RT: 8.45 min Scan# 877

Delta R.T. 0.00 min

Lab File: BM015244.D

Acq: 22 May 2018 17:32

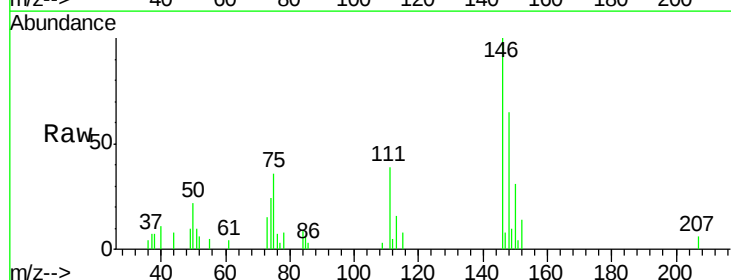
Tgt Ion:146 Resp: 16124

Ion Ratio Lower Upper

146 100

148 64.6 51.9 77.9

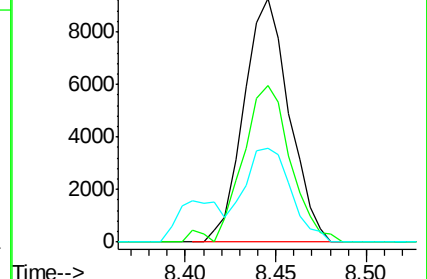
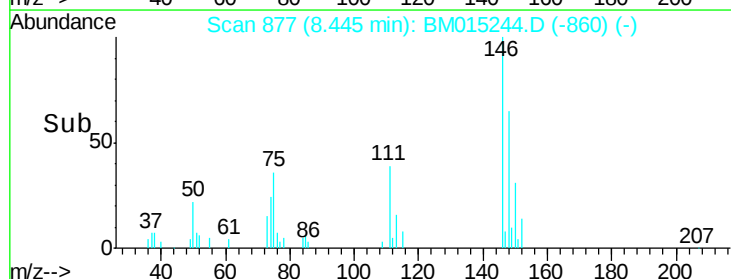
111 38.7 29.2 43.8

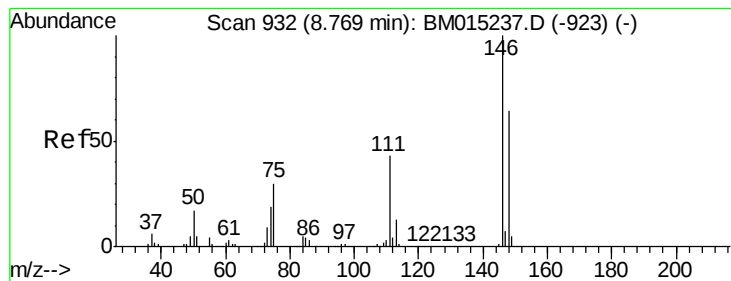


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#14

1,2-Dichlorobenzene

Concen: 0.984 ng

RT: 8.77 min Scan# 932

Delta R.T. 0.00 min

Lab File: BM015244.D

Acq: 22 May 2018 17:32

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2018

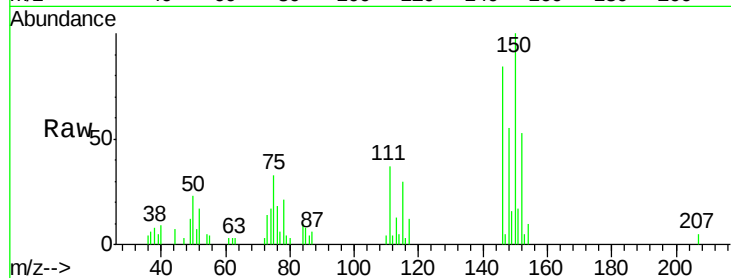
Tgt Ion:146 Resp: 15349

Ion Ratio Lower Upper

146 100

148 65.7 52.3 78.5

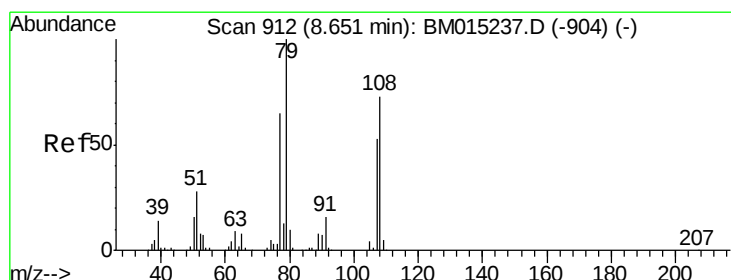
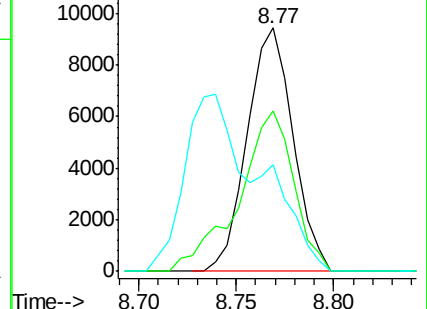
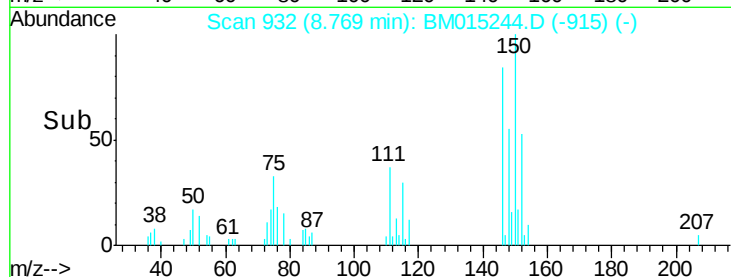
111 43.8 30.6 45.8



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#15

Benzyl Alcohol

Concen: 0.807 ng

RT: 8.66 min Scan# 914

Delta R.T. 0.01 min

Lab File: BM015244.D

Acq: 22 May 2018 17:32

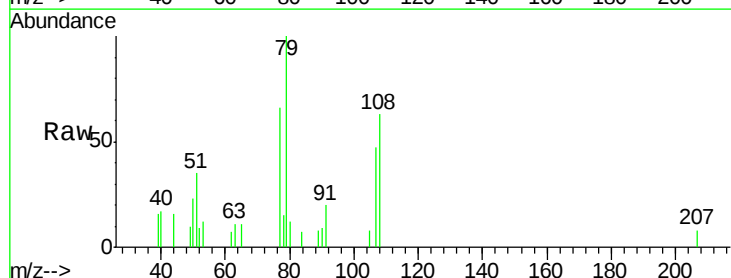
Tgt Ion: 79 Resp: 9600

Ion Ratio Lower Upper

79 100

108 62.8 65.0 97.4#

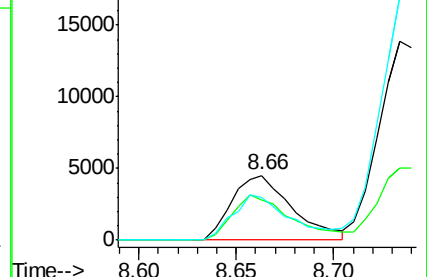
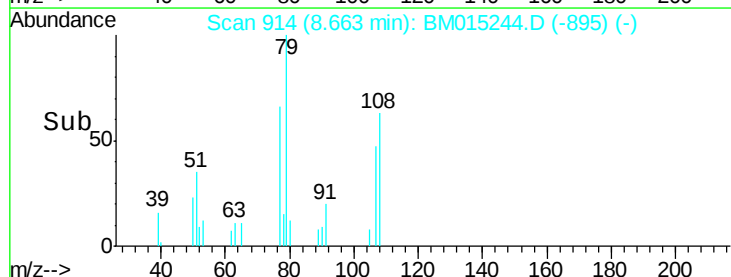
77 65.7 53.0 79.6

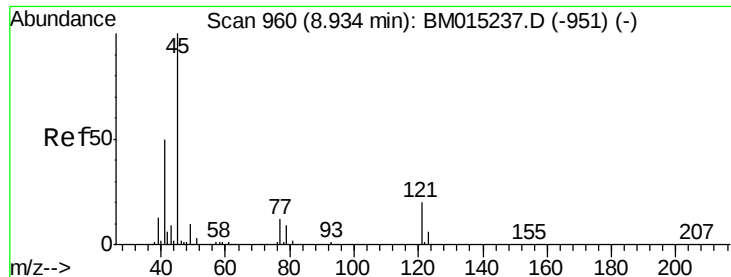


Abundance Ion 79.00 (78.70 to 79.70): BM

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BM

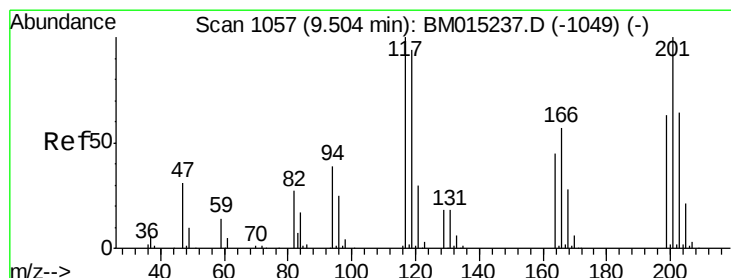
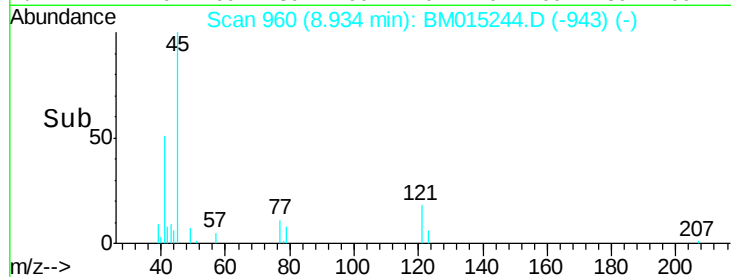
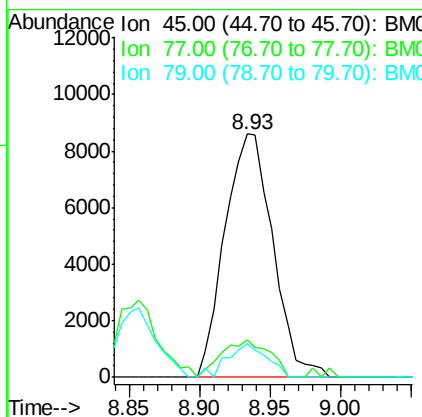
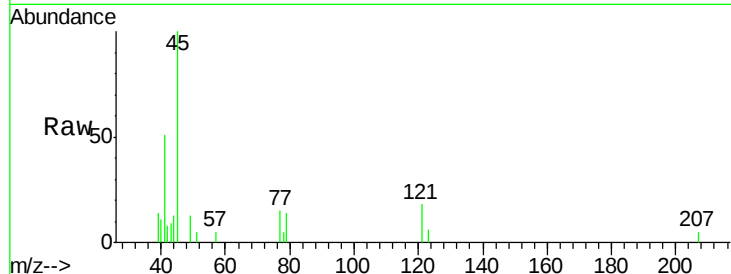




#16
2,2'-oxybis(1-chloropropane)
Concen: 0.975 ng
RT: 8.93 min Scan# 960
Delta R.T. 0.00 min
Lab File: BM015244.D
Acq: 22 May 2018 17:32

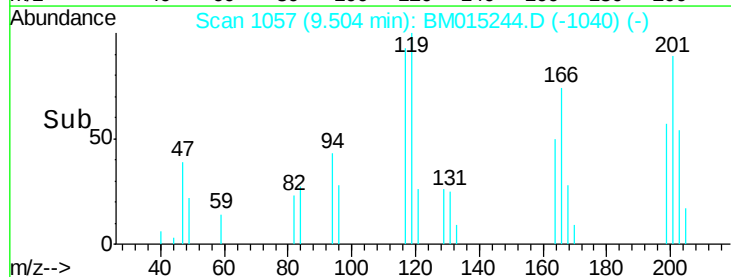
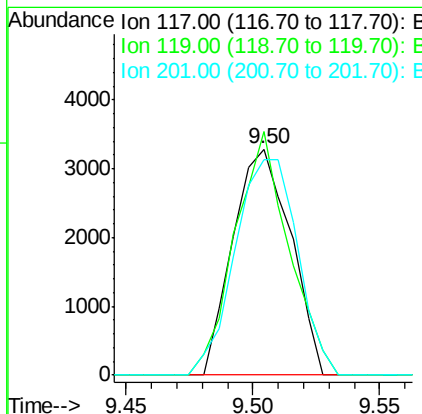
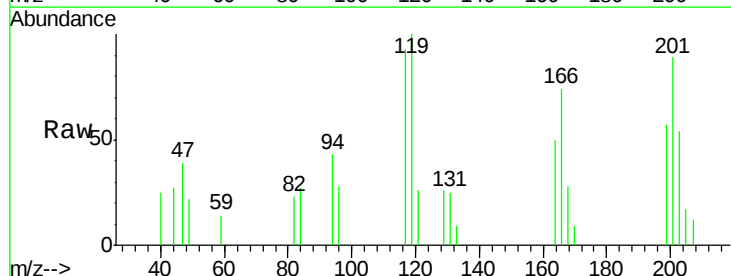
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018

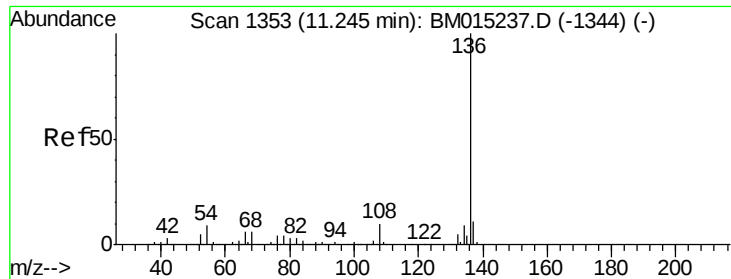
Tgt Ion: 45 Resp: 20377
Ion Ratio Lower Upper
45 100
77 15.4 0.0 35.2
79 13.9 0.0 32.0



#18
Hexachloroethane
Concen: 0.890 ng
RT: 9.50 min Scan# 1057
Delta R.T. 0.00 min
Lab File: BM015244.D
Acq: 22 May 2018 17:32

Tgt Ion: 117 Resp: 5192
Ion Ratio Lower Upper
117 100
119 107.6 79.2 118.8
201 95.5 69.8 104.6

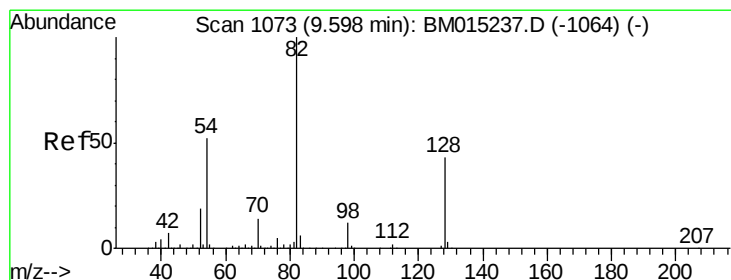
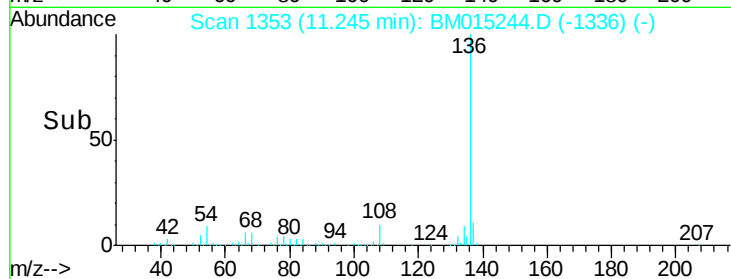
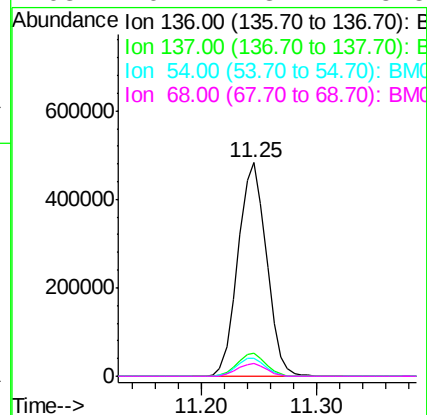
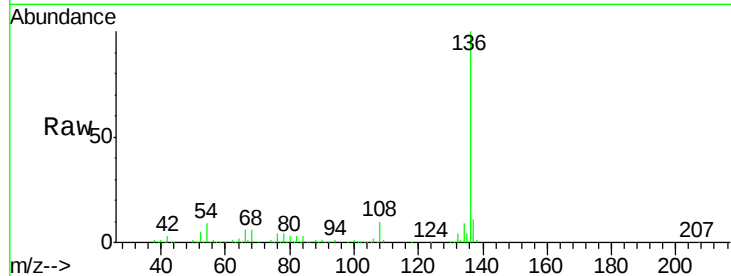




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.25 min Scan# 1353
Delta R.T. 0.00 min
Lab File: BM015244.D
Acq: 22 May 2018 17:32

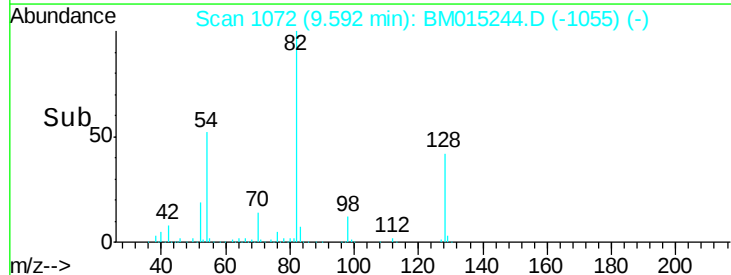
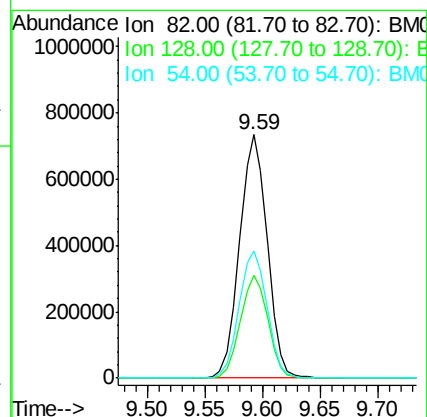
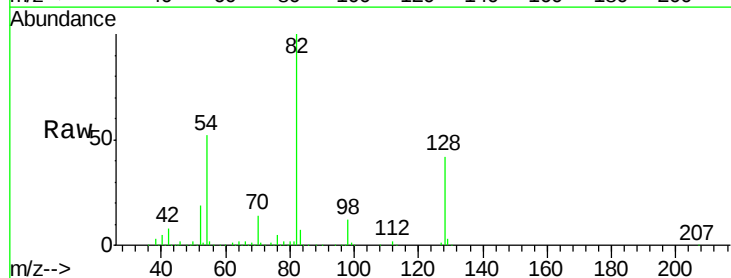
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018

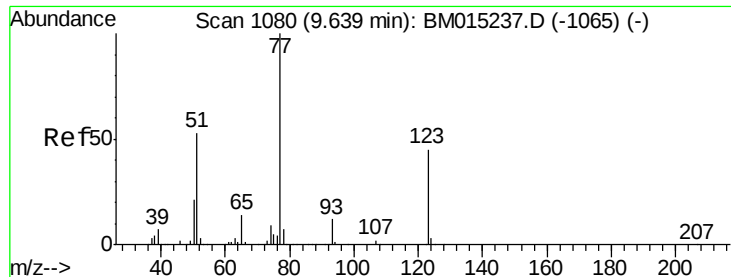
Tgt Ion:	136	Resp:	825551
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.7	13.1
54	8.5	4.6	6.8#
68	6.2	3.7	5.5#



#23
Nitrobenzene-d5
Concen: 80.833 ng
RT: 9.59 min Scan# 1072
Delta R.T. 0.00 min
Lab File: BM015244.D
Acq: 22 May 2018 17:32

Tgt Ion:	82	Resp:	1218180
Ion	Ratio	Lower	Upper
82	100		
128	42.4	32.8	49.2
54	52.5	40.6	60.8

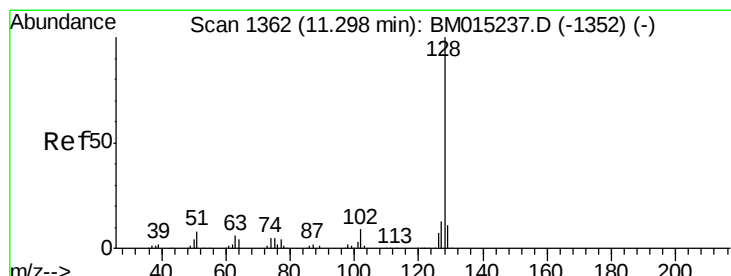
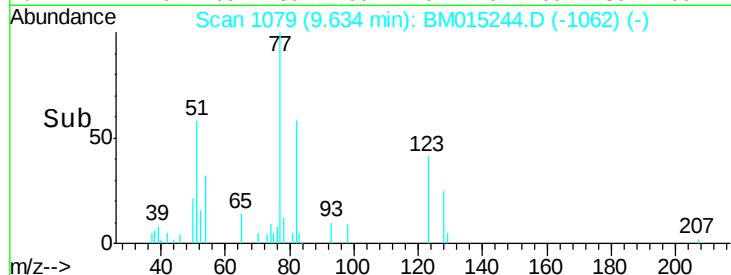
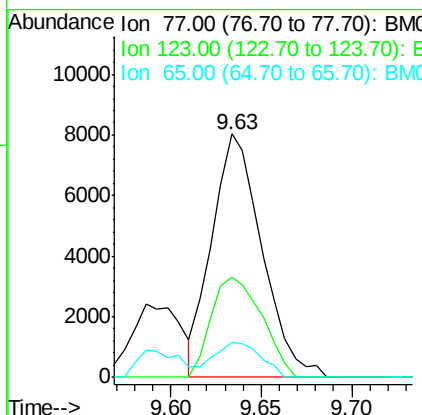
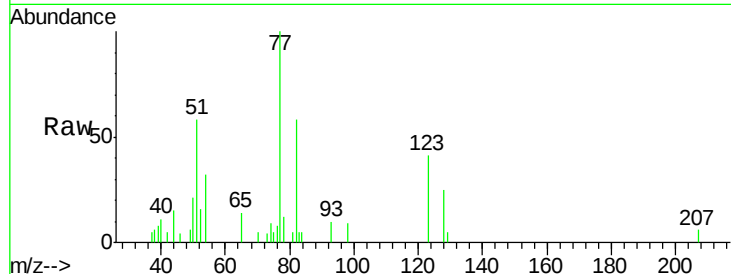




#24
 Nitrobenzene
 Concen: 0.980 ng
 RT: 9.63 min Scan# 1079
 Delta R.T. 0.00 min
 Lab File: BM015244.D
 Acq: 22 May 2018 17:32

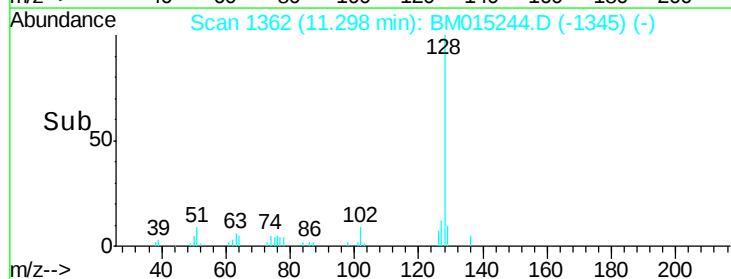
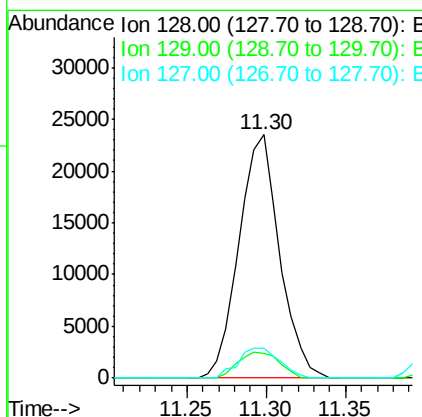
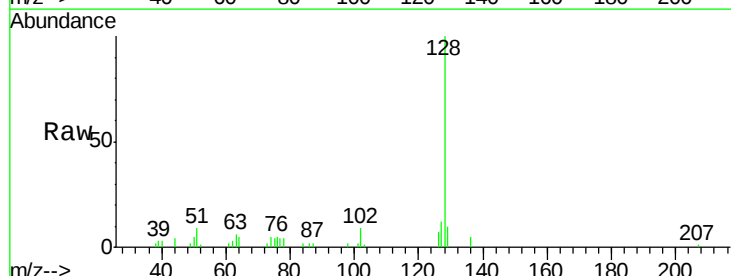
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2018

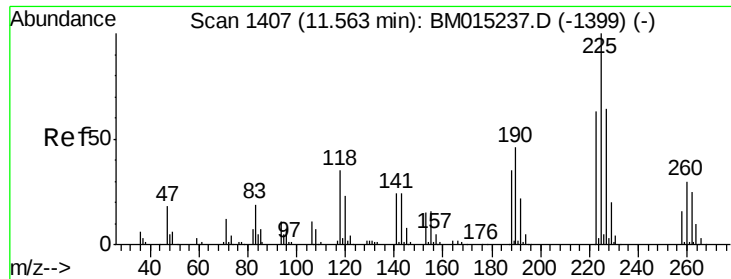
Tgt Ion: 77 Resp: 15384
 Ion Ratio Lower Upper
 77 100
 123 41.4 32.6 49.0
 65 14.3 10.9 16.3



#31
 Naphthalene
 Concen: 0.972 ng
 RT: 11.30 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: BM015244.D
 Acq: 22 May 2018 17:32

Tgt Ion: 128 Resp: 41703
 Ion Ratio Lower Upper
 128 100
 129 10.3 8.9 13.3
 127 12.4 10.4 15.6





#34

Hexachlorobutadiene

Concen: 1.034 ng

RT: 11.56 min Scan# 1407

Delta R.T. 0.00 min

Lab File: BM015244.D

Acq: 22 May 2018 17:32

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2018

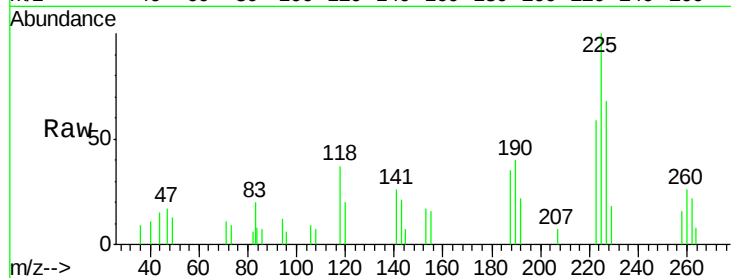
Tgt Ion:225 Resp: 8758

Ion Ratio Lower Upper

225 100

223 58.6 47.9 71.9

227 68.1 50.1 75.1

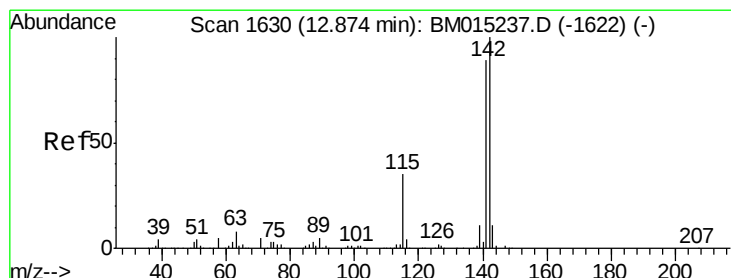
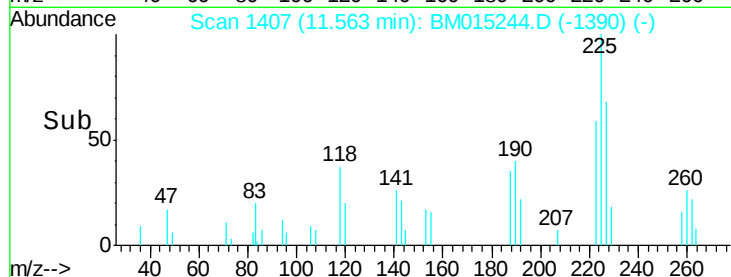
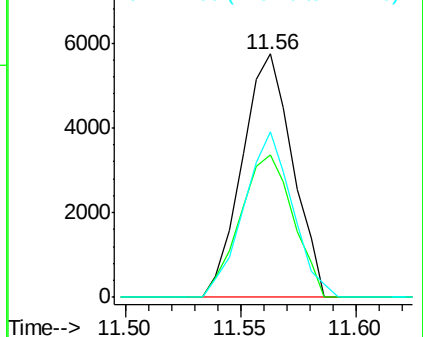


Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E



#37

2-Methylnaphthalene

Concen: 0.900 ng

RT: 12.88 min Scan# 1631

Delta R.T. 0.01 min

Lab File: BM015244.D

Acq: 22 May 2018 17:32

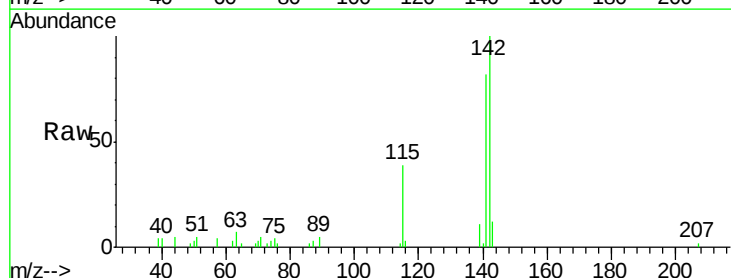
Tgt Ion:142 Resp: 26761

Ion Ratio Lower Upper

142 100

141 82.5 71.9 107.9

115 38.6 25.4 38.0#

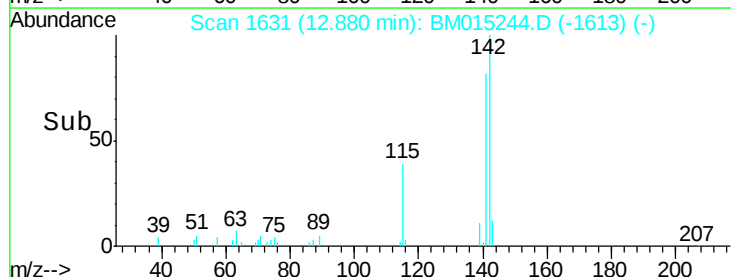
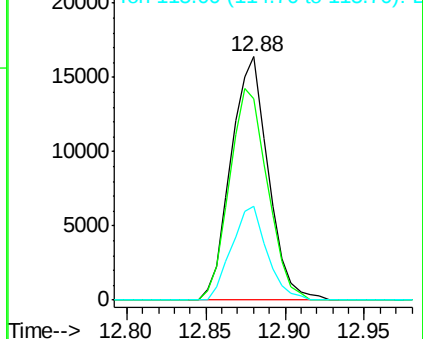


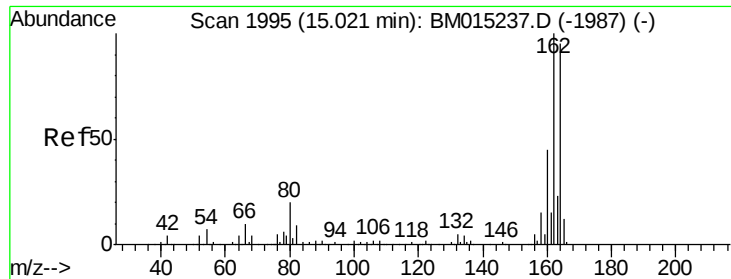
Abundance

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: 20.000 ng

RT: 15.02 min Scan# 1995

Delta R.T. 0.00 min

Lab File: BM015244.D

Acq: 22 May 2018 17:32

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2018

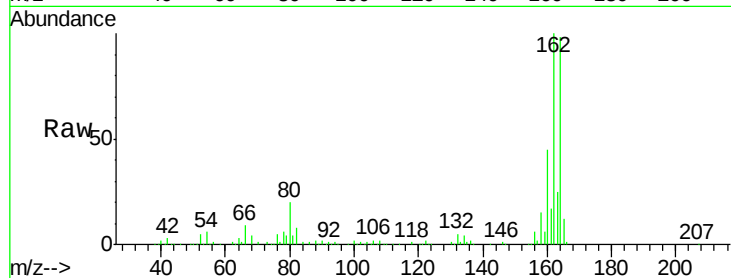
Tgt Ion:164 Resp: 426106

Ion Ratio Lower Upper

164 100

162 102.3 82.4 123.6

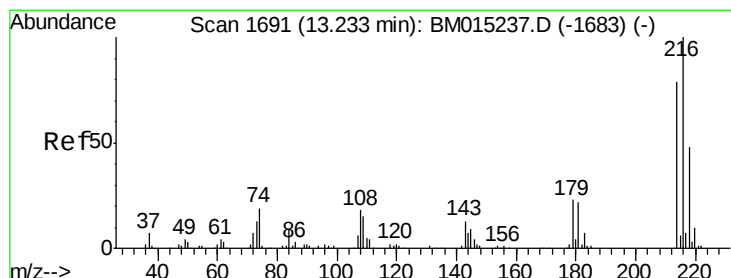
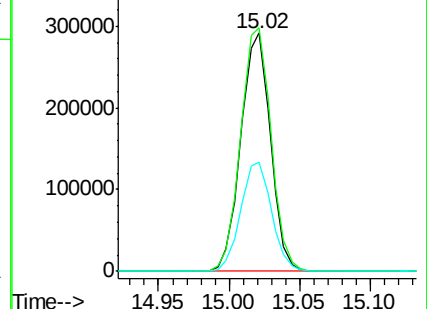
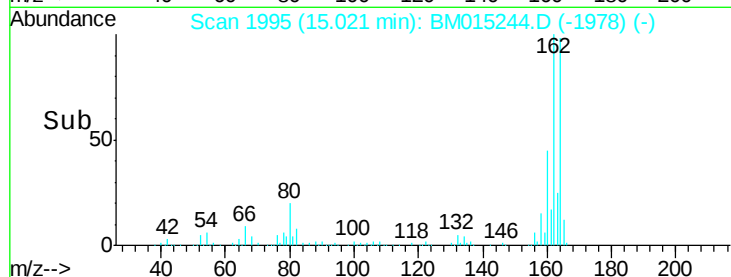
160 46.0 35.8 53.6



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: 0.979 ng

RT: 13.23 min Scan# 1691

Delta R.T. 0.00 min

Lab File: BM015244.D

Acq: 22 May 2018 17:32

Tgt Ion:216 Resp: 14696

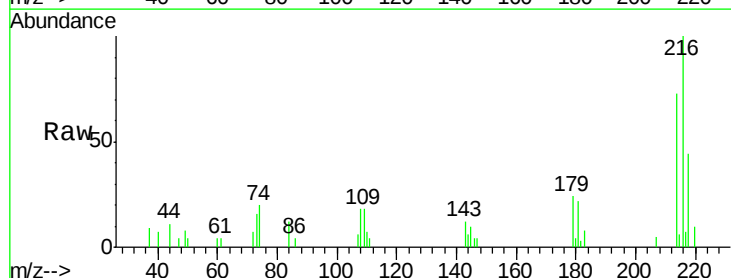
Ion Ratio Lower Upper

216 100

214 73.8 0.0 0.0#

179 20.6 0.0 0.0#

108 16.5 0.0 0.0#

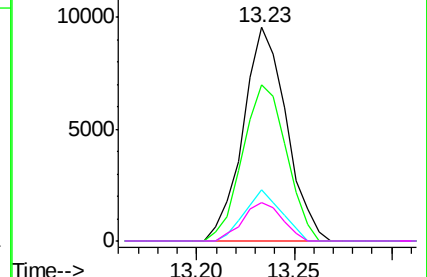
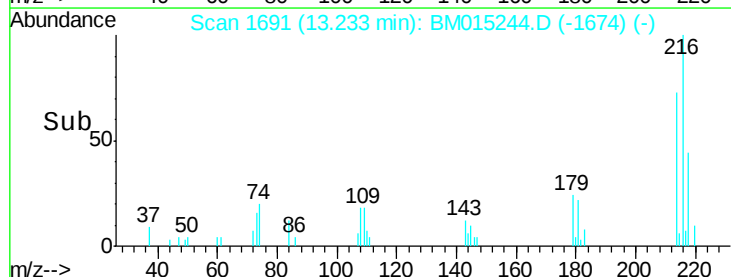


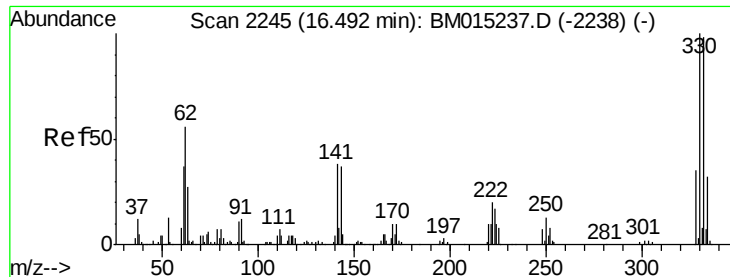
Abundance Ion 216.00 (215.70 to 216.70): E

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

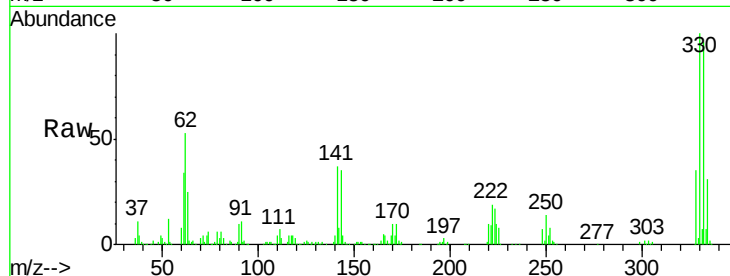




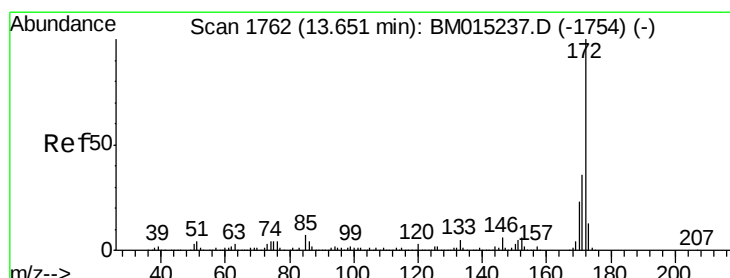
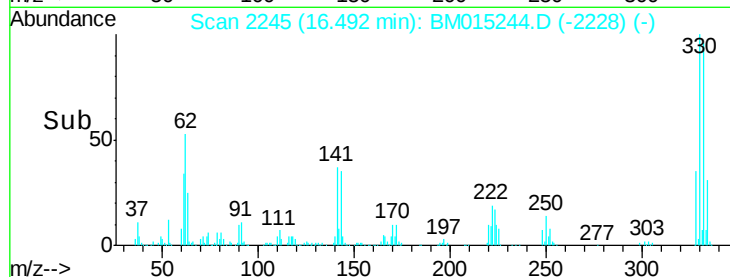
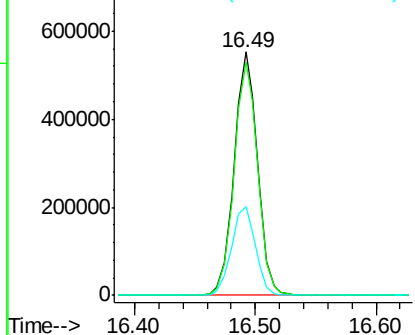
#41
 2,4,6-Tribromophenol
 Concen: 138.880 ng
 RT: 16.49 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: BM015244.D
 Acq: 22 May 2018 17:32

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2018

Tgt Ion:330 Resp: 742067
 Ion Ratio Lower Upper
 330 100
 332 96.7 0.0 0.0#
 141 37.6 0.0 0.0#

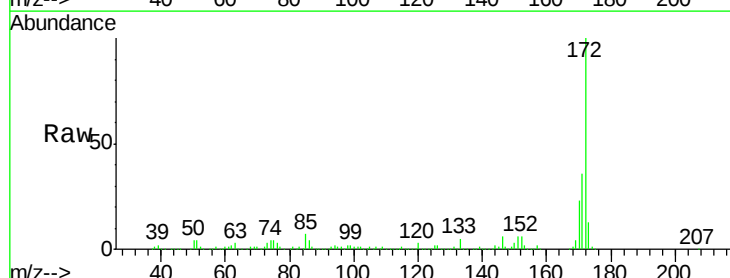


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

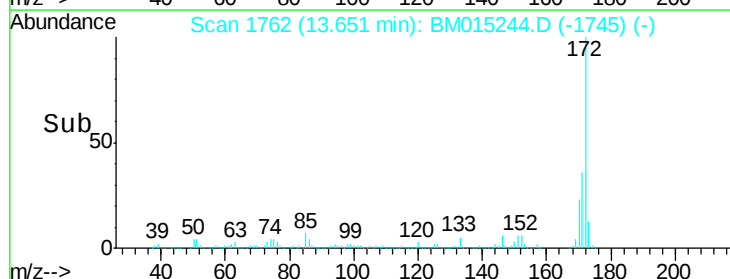
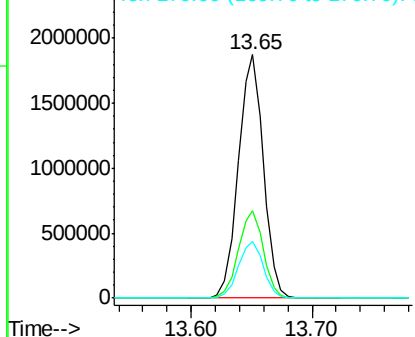


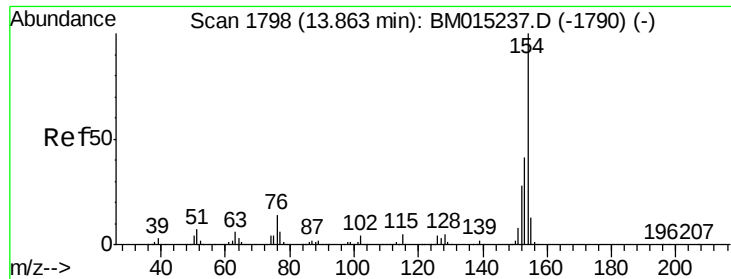
#44
 2-Fluorobiphenyl
 Concen: 78.892 ng
 RT: 13.65 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: BM015244.D
 Acq: 22 May 2018 17:32

Tgt Ion:172 Resp: 2704155
 Ion Ratio Lower Upper
 172 100
 171 36.0 28.5 42.7
 170 23.4 18.8 28.2



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





#45

1,1'-Biphenyl

Concen: 1.148 ng

RT: 13.86 min Scan# 1798

Delta R.T. 0.00 min

Lab File: BM015244.D

Acq: 22 May 2018 17:32

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2018

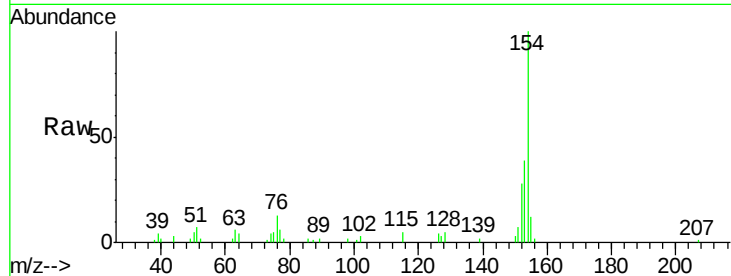
Tgt Ion:154 Resp: 42814

Ion Ratio Lower Upper

154 100

153 39.4 20.7 60.7

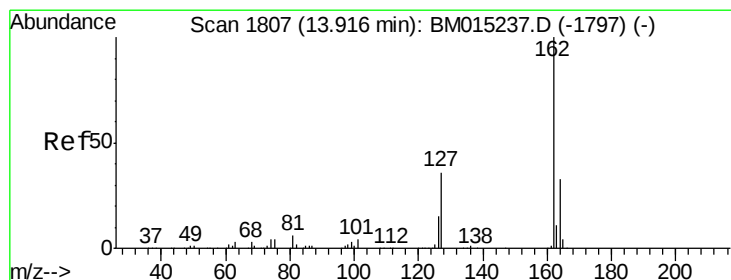
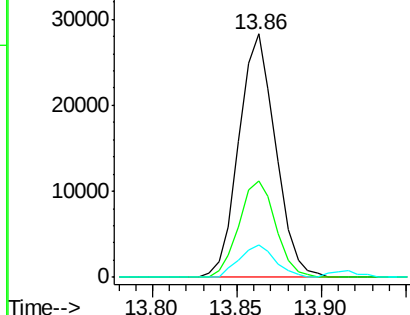
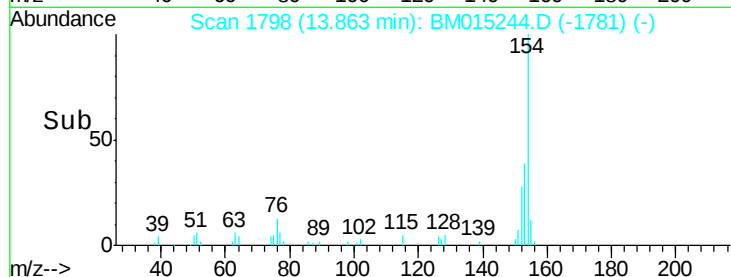
76 13.1 0.0 30.9



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BM



#46

2-Chloronaphthalene

Concen: 0.953 ng

RT: 13.91 min Scan# 1806

Delta R.T. 0.00 min

Lab File: BM015244.D

Acq: 22 May 2018 17:32

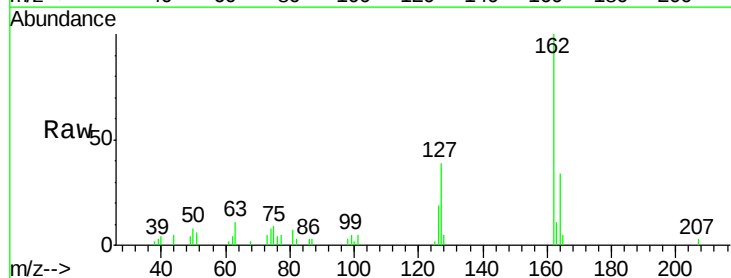
Tgt Ion:162 Resp: 27349

Ion Ratio Lower Upper

162 100

127 39.1 26.9 40.3

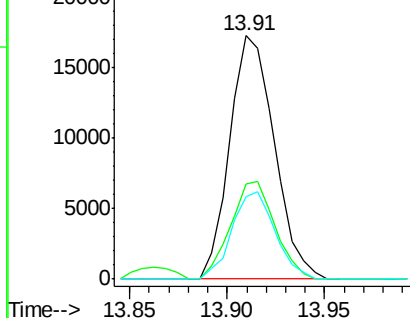
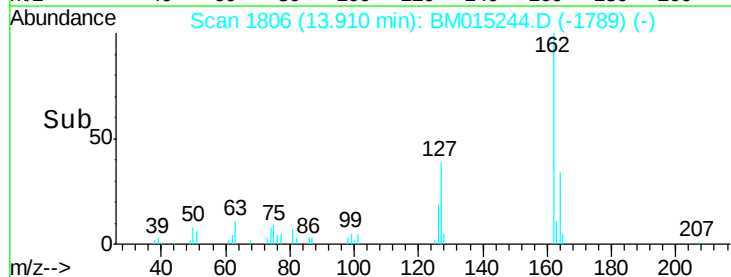
164 33.8 26.8 40.2

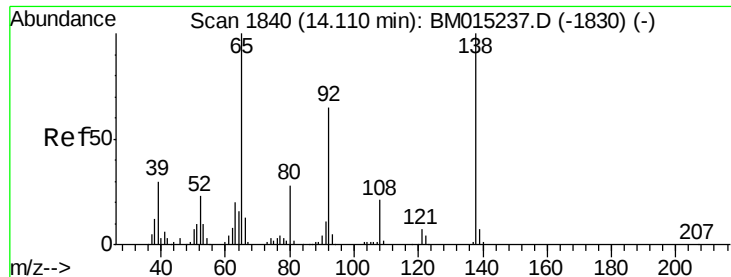


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 0.557 ng

RT: 14.12 min Scan# 1841

Delta R.T. 0.01 min

Lab File: BM015244.D

Acq: 22 May 2018 17:32

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2018

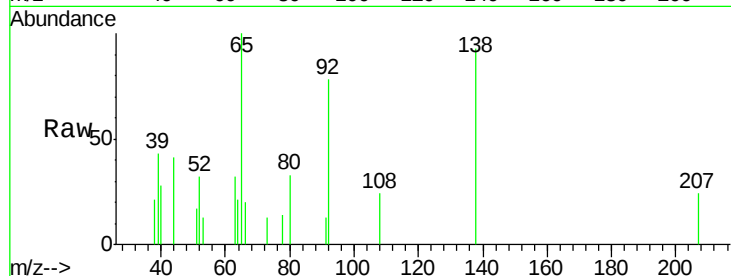
Tgt Ion: 65 Resp: 4550

Ion Ratio Lower Upper

65 100

92 78.3 59.1 88.7

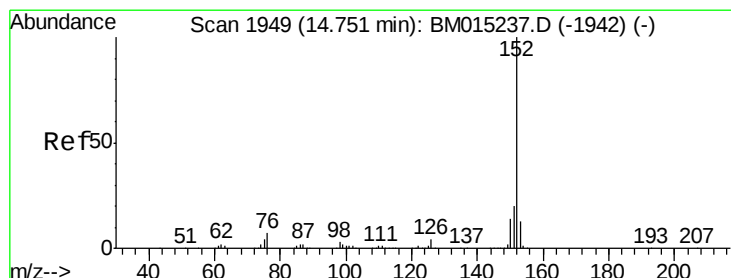
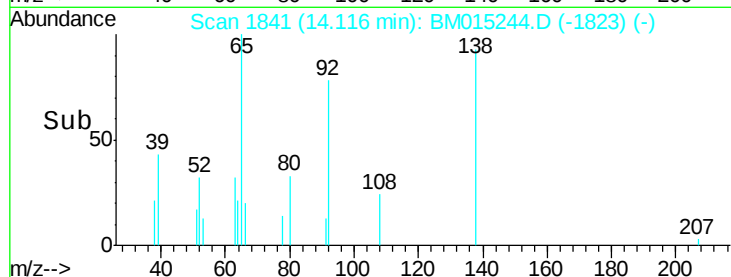
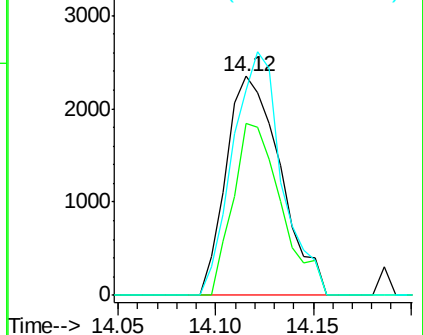
138 93.4 93.9 140.9#



Abundance Ion 65.00 (64.70 to 65.70): BM015237.D (-1830) (-)

Ion 92.00 (91.70 to 92.70): BM015237.D (-1830) (-)

Ion 138.00 (137.70 to 138.70): BM015237.D (-1830) (-)



#48

Acenaphthylene

Concen: 0.830 ng

RT: 14.75 min Scan# 1949

Delta R.T. 0.00 min

Lab File: BM015244.D

Acq: 22 May 2018 17:32

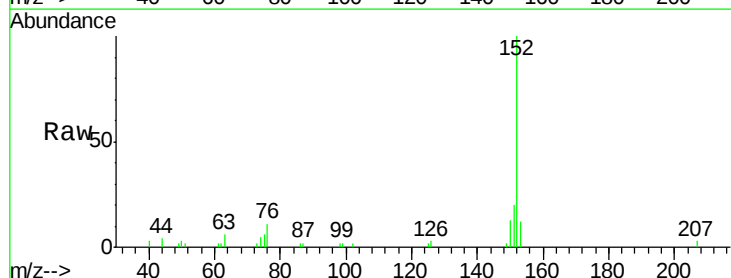
Tgt Ion: 152 Resp: 35387

Ion Ratio Lower Upper

152 100

151 20.4 15.9 23.9

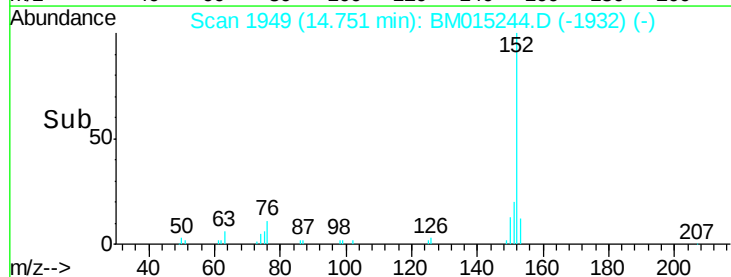
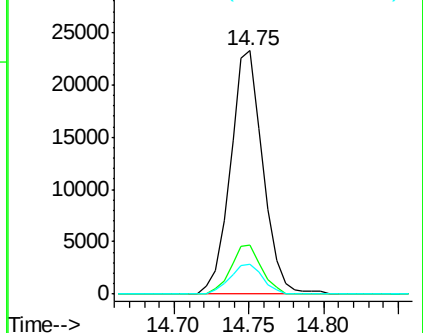
153 12.1 10.6 16.0

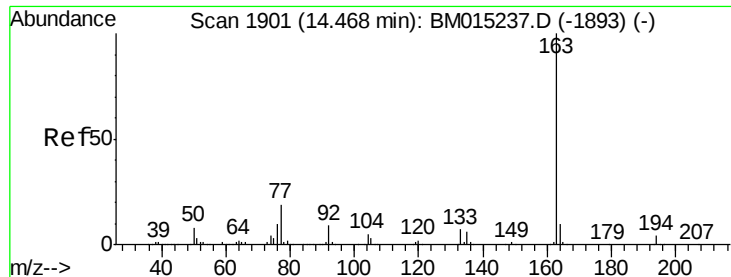


Abundance Ion 152.00 (151.70 to 152.70): BM015237.D (-1942) (-)

Ion 151.00 (150.70 to 151.70): BM015237.D (-1942) (-)

Ion 153.00 (152.70 to 153.70): BM015237.D (-1942) (-)





#49

Dimethylphthalate

Concen: 0.933 ng

RT: 14.46 min Scan# 1900

Delta R.T. 0.00 min

Lab File: BM015244.D

Acq: 22 May 2018 17:32

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2018

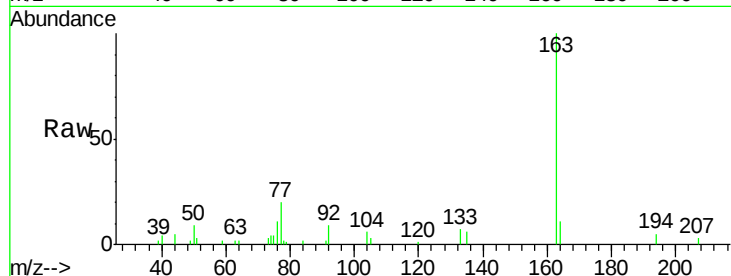
Tgt Ion:163 Resp: 31739

Ion Ratio Lower Upper

163 100

194 4.6 2.7 4.1#

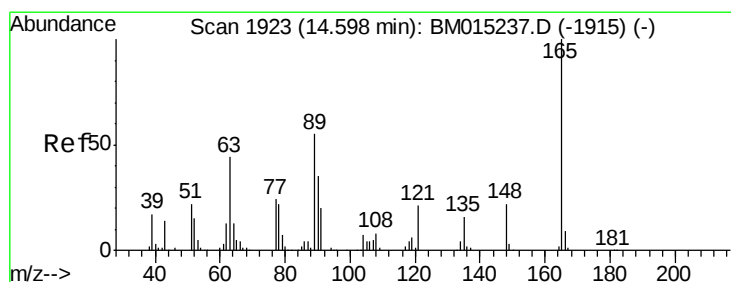
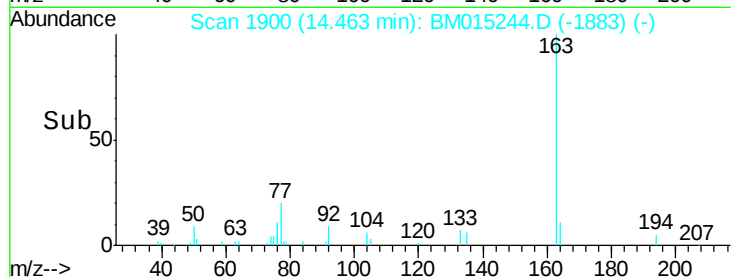
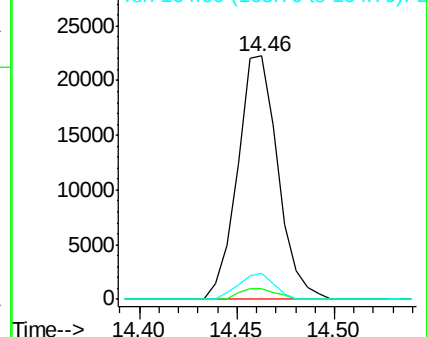
164 10.7 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 0.630 ng

RT: 14.59 min Scan# 1921

Delta R.T. -0.01 min

Lab File: BM015244.D

Acq: 22 May 2018 17:32

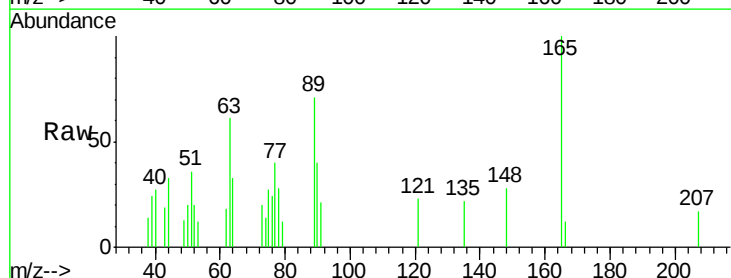
Tgt Ion:165 Resp: 4472

Ion Ratio Lower Upper

165 100

63 61.0 44.1 66.1

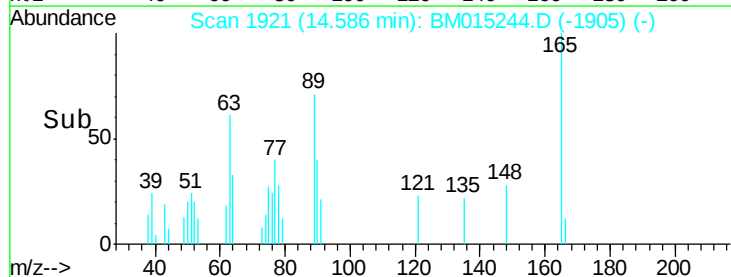
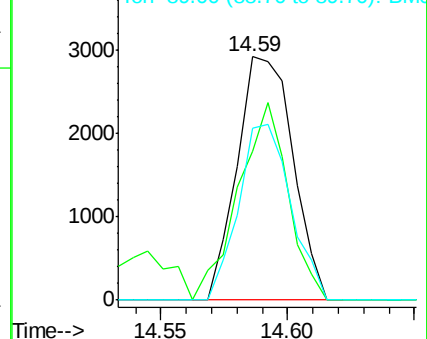
89 70.7 44.3 66.5#

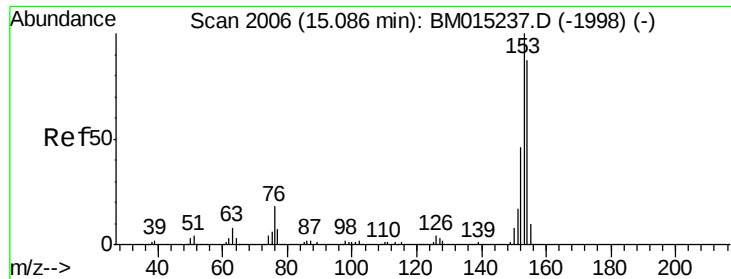


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 89.00 (88.70 to 89.70): BM0





#51

Acenaphthene

Concen: 1.002 ng

RT: 15.08 min Scan# 2005

Delta R.T. -0.01 min

Lab File: BM015244.D

Acq: 22 May 2018 17:32

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2018

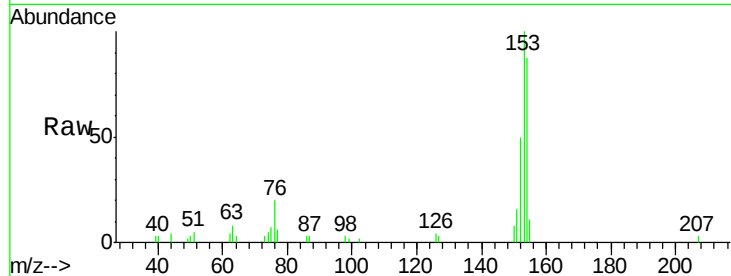
Tgt Ion:154 Resp: 26608

Ion Ratio Lower Upper

154 100

153 114.6 90.0 135.0

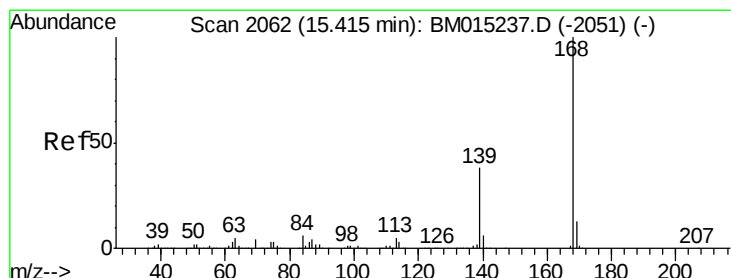
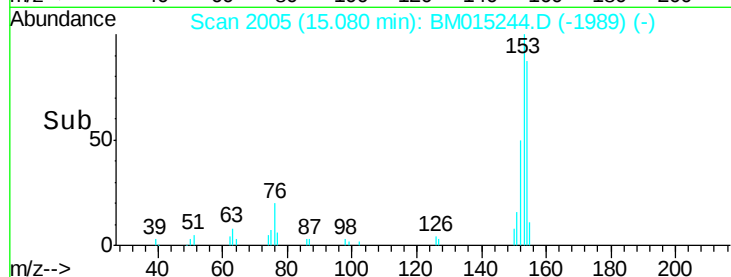
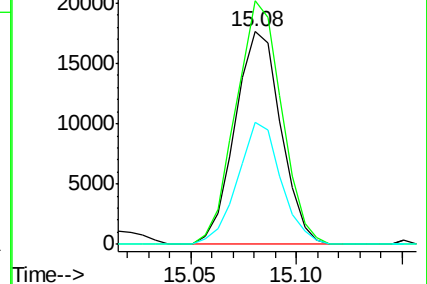
152 57.2 42.6 63.8



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



#54

Dibenzofuran

Concen: 0.940 ng

RT: 15.42 min Scan# 2062

Delta R.T. 0.00 min

Lab File: BM015244.D

Acq: 22 May 2018 17:32

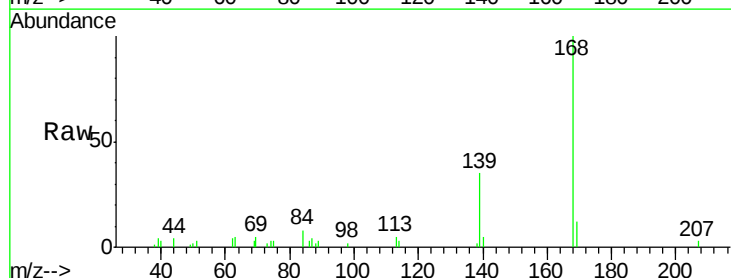
Tgt Ion:168 Resp: 39348

Ion Ratio Lower Upper

168 100

139 34.5 27.3 40.9

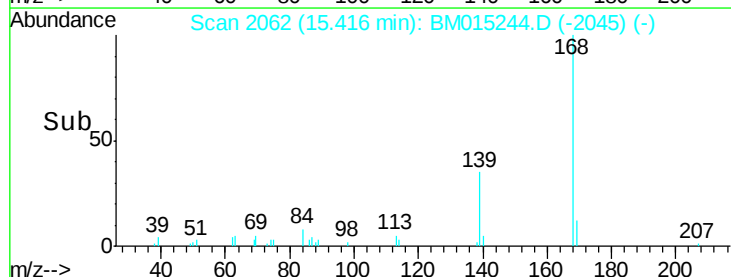
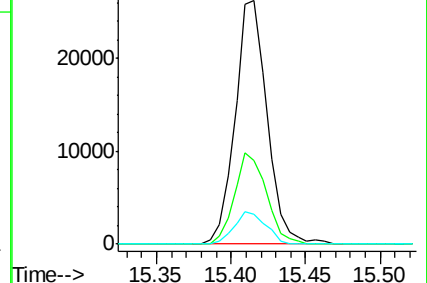
169 12.1 10.6 16.0

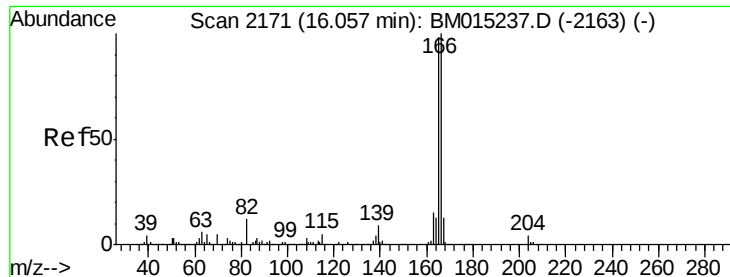


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#57

Fluorene

Concen: 0.879 ng

RT: 16.05 min Scan# 2170

Delta R.T. -0.01 min

Lab File: BM015244.D

Acq: 22 May 2018 17:32

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2018

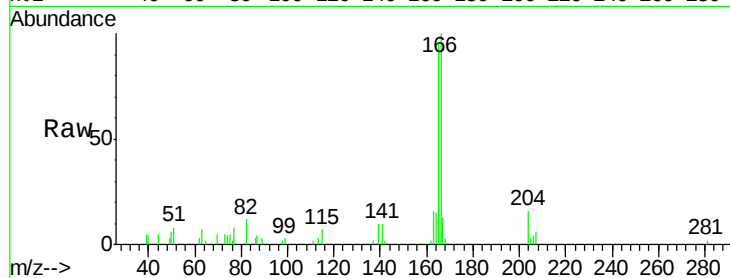
Tgt Ion:166 Resp: 29076

Ion Ratio Lower Upper

166 100

165 96.3 79.0 118.4

167 13.2 10.3 15.5

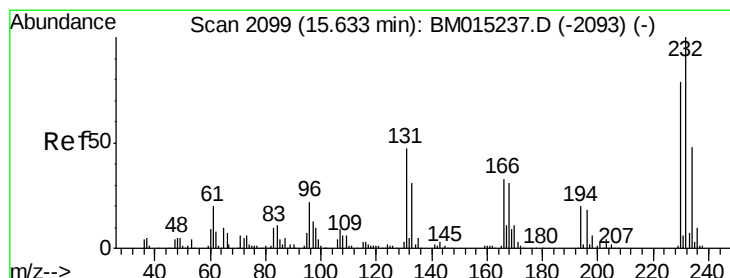
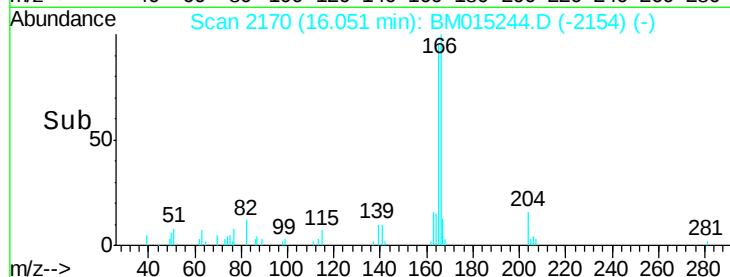
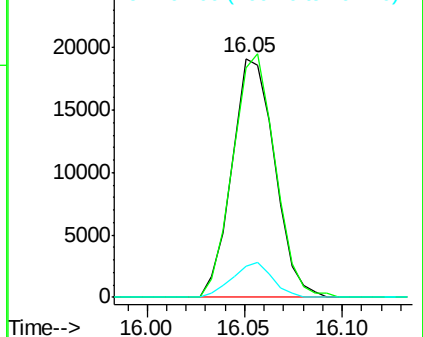


Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 0.564 ng

RT: 15.63 min Scan# 2099

Delta R.T. 0.00 min

Lab File: BM015244.D

Acq: 22 May 2018 17:32

Tgt Ion:232 Resp: 4711

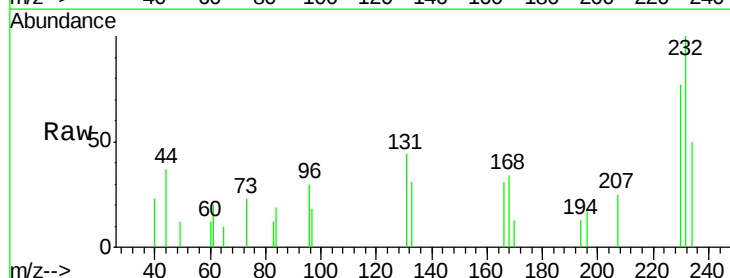
Ion Ratio Lower Upper

232 100

131 46.3 0.0 0.0#

130 0.0 0.0 0.0

166 32.6 0.0 0.0#



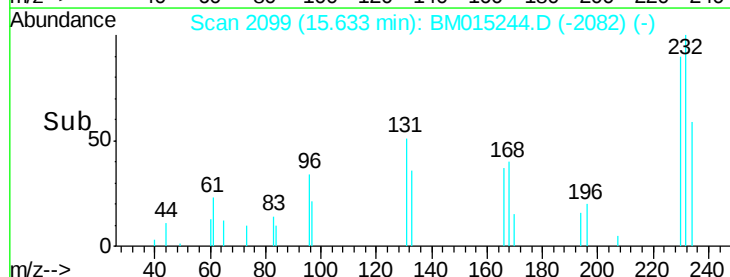
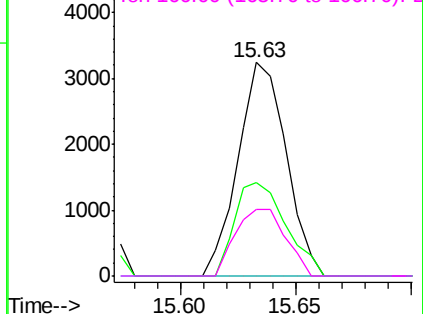
Abundance

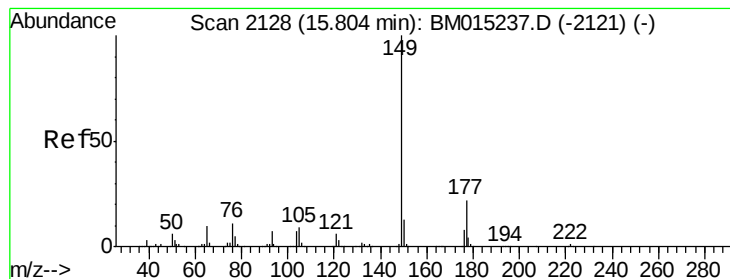
Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





#59

Diethylphthalate

Concen: 0.858 ng

RT: 15.80 min Scan# 2128

Delta R.T. 0.00 min

Lab File: BM015244.D

Acq: 22 May 2018 17:32

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2018

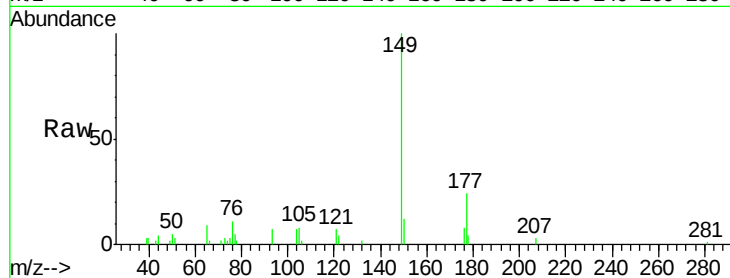
Tgt Ion:149 Resp: 28765

Ion Ratio Lower Upper

149 100

177 23.8 18.3 27.5

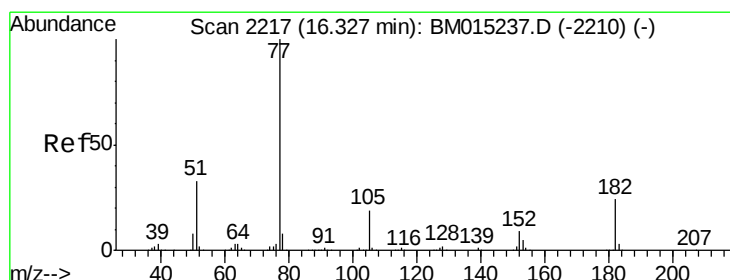
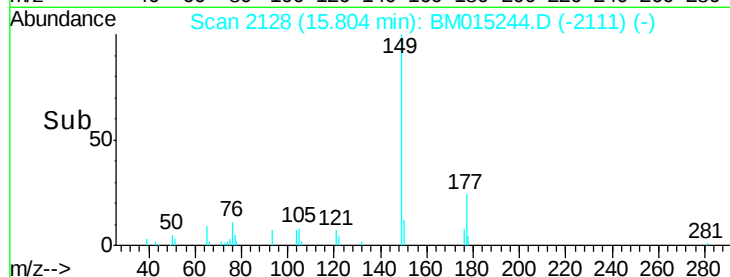
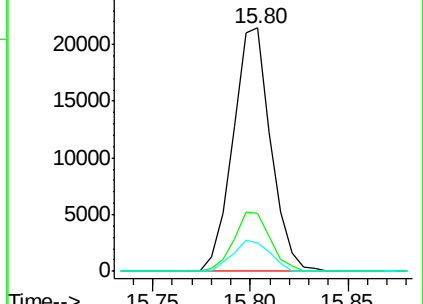
150 11.6 9.8 14.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#62

Azobenzene

Concen: 0.678 ng

RT: 16.33 min Scan# 2217

Delta R.T. 0.00 min

Lab File: BM015244.D

Acq: 22 May 2018 17:32

Tgt Ion: 77 Resp: 21578

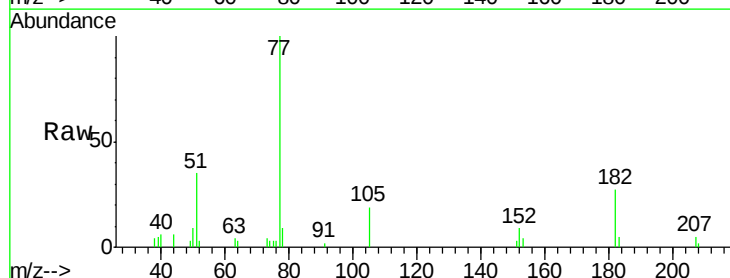
Ion Ratio Lower Upper

77 100

182 26.9 6.5 46.5

105 18.9 3.8 43.8

51 35.3 5.5 45.5

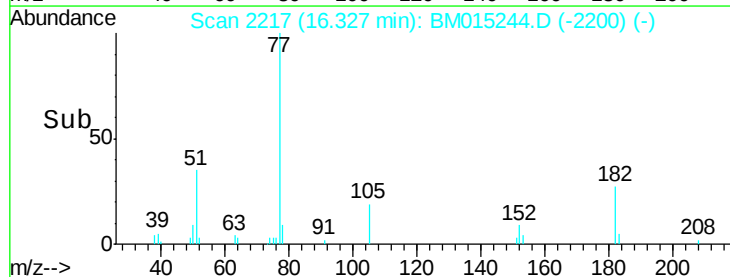
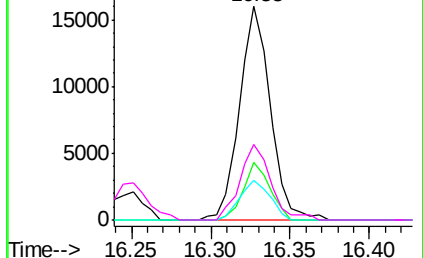


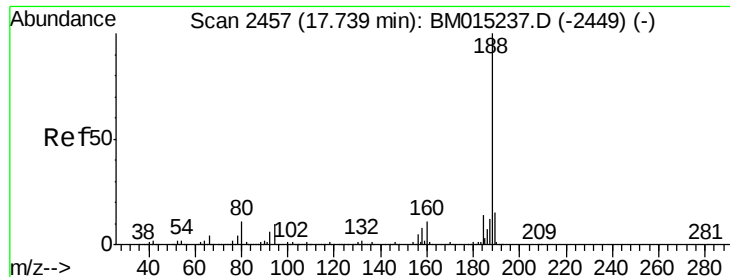
Abundance Ion 77.00 (76.70 to 77.70): BM0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BM0





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.74 min Scan# 2457

Delta R.T. 0.00 min

Lab File: BM015244.D

Acq: 22 May 2018 17:32

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2018

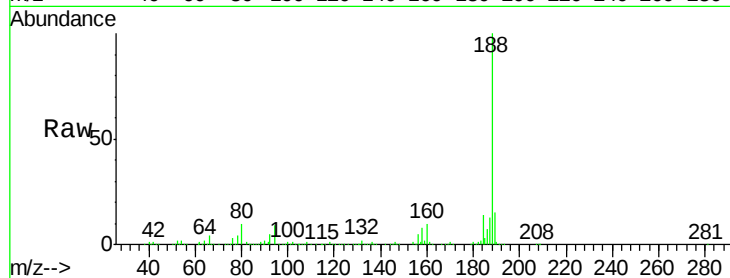
Tgt Ion:188 Resp: 881903

Ion Ratio Lower Upper

188 100

94 9.0 8.7 13.1

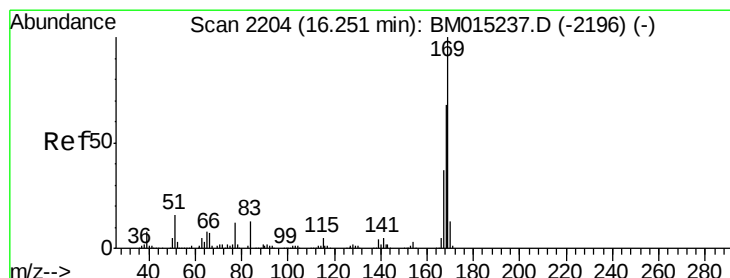
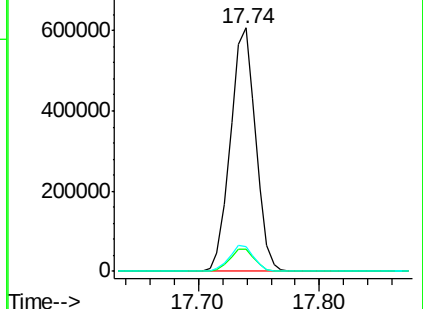
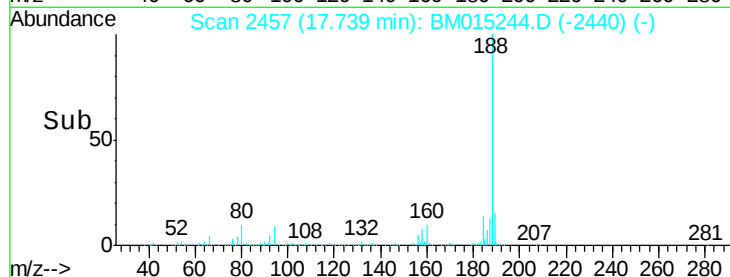
80 10.3 9.3 13.9



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: 0.803 ng

RT: 16.25 min Scan# 2204

Delta R.T. 0.00 min

Lab File: BM015244.D

Acq: 22 May 2018 17:32

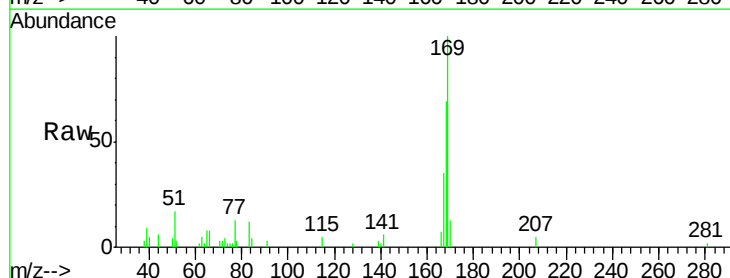
Tgt Ion:169 Resp: 22751

Ion Ratio Lower Upper

169 100

168 68.5 53.9 80.9

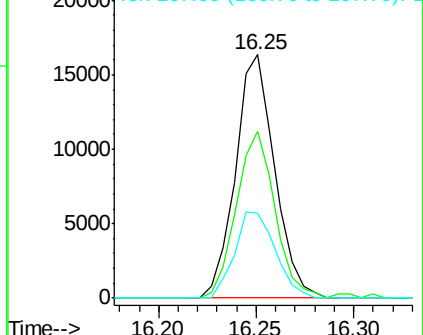
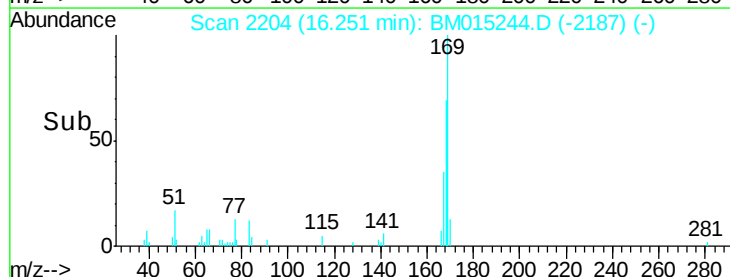
167 35.1 28.9 43.3

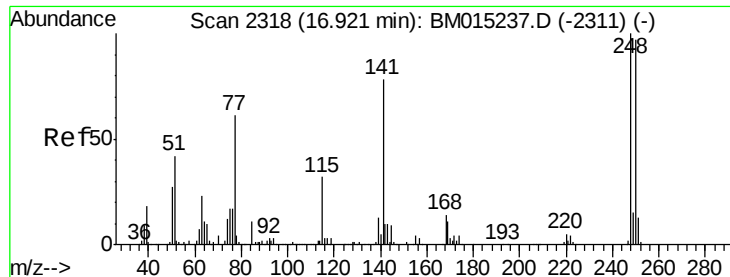


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

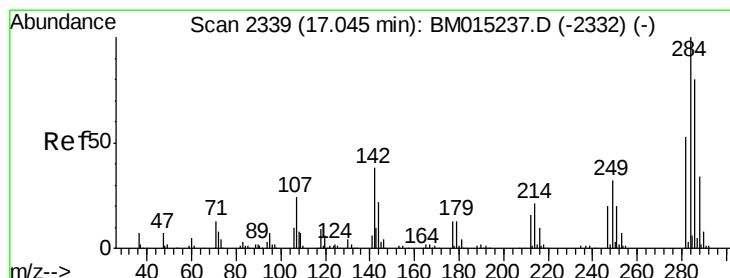
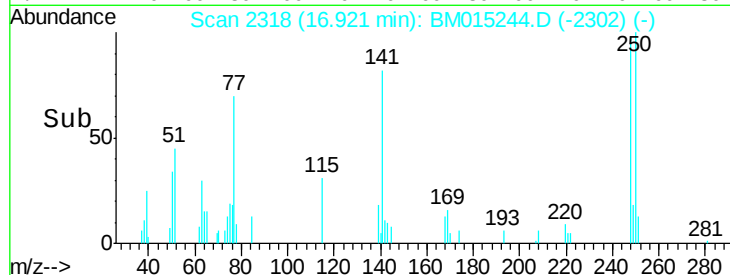
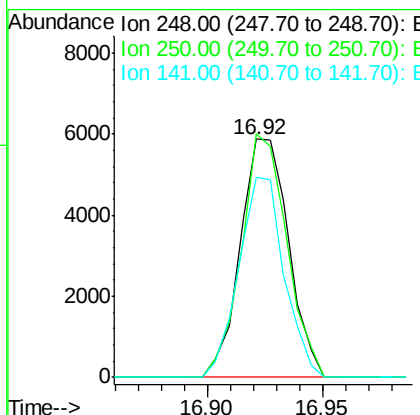
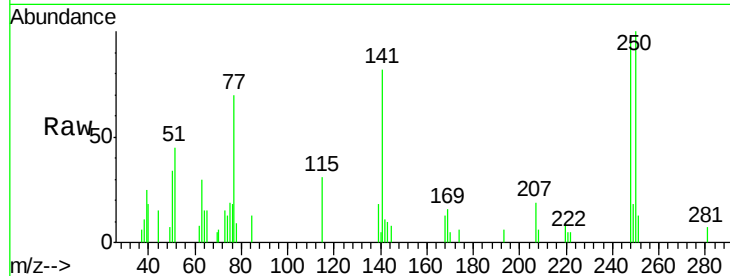




#66
4-Bromophenyl-phenylether
Concen: 0.869 ng
RT: 16.92 min Scan# 2318
Delta R.T. -0.01 min
Lab File: BM015244.D
Acq: 22 May 2018 17:32

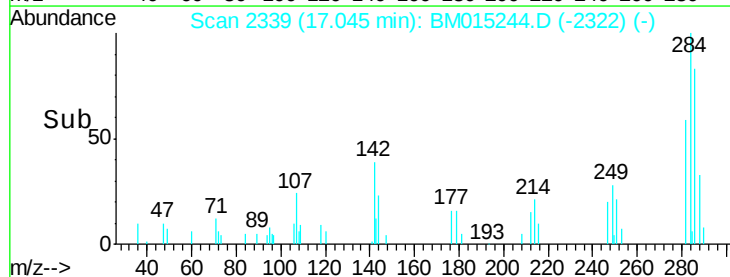
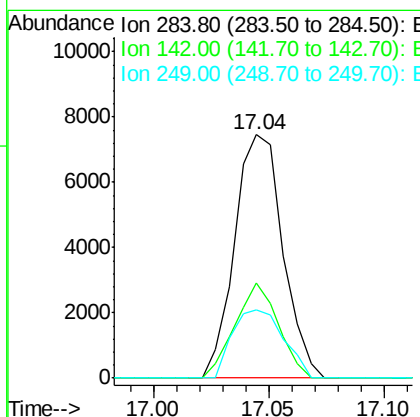
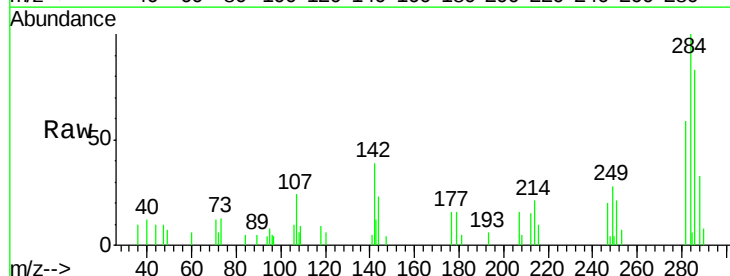
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018

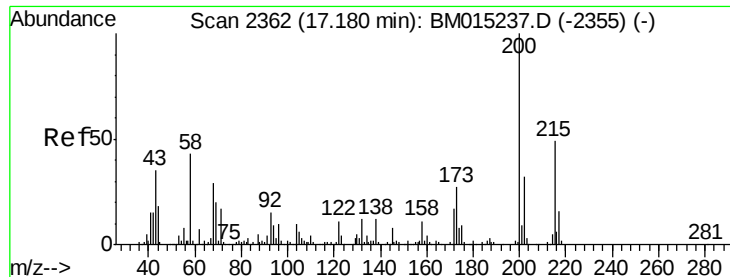
Tgt Ion:248 Resp: 8564
Ion Ratio Lower Upper
248 100
250 102.2 77.4 116.0
141 84.0 45.2 67.8#



#67
Hexachlorobenzene
Concen: 0.954 ng
RT: 17.04 min Scan# 2339
Delta R.T. 0.00 min
Lab File: BM015244.D
Acq: 22 May 2018 17:32

Tgt Ion:284 Resp: 10828
Ion Ratio Lower Upper
284 100
142 38.9 20.4 30.6#
249 32.3 23.8 35.6

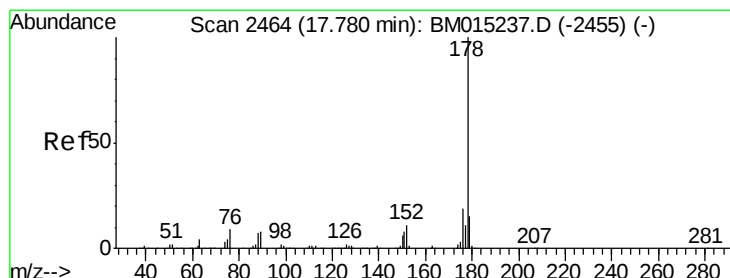
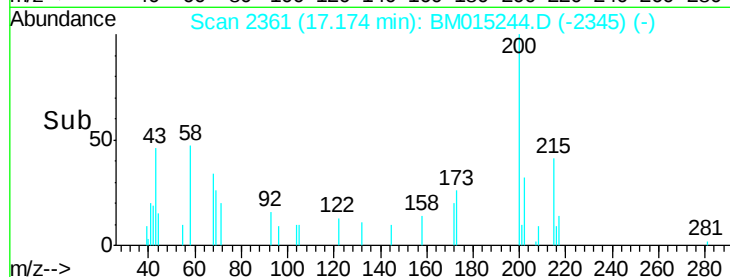
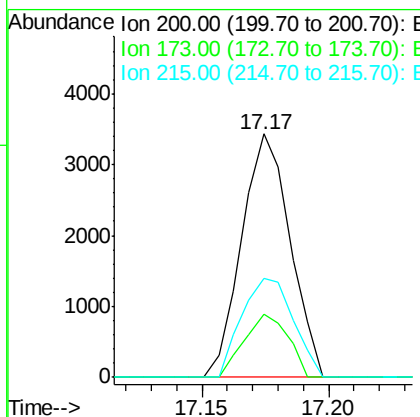
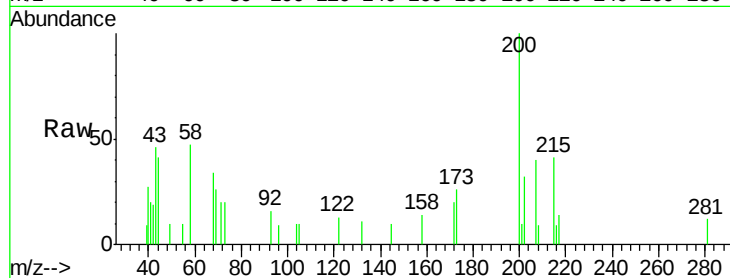




#68
 Atrazine
 Concen: 0.509 ng
 RT: 17.17 min Scan# 2361
 Delta R.T. -0.01 min
 Lab File: BM015244.D
 Acq: 22 May 2018 17:32

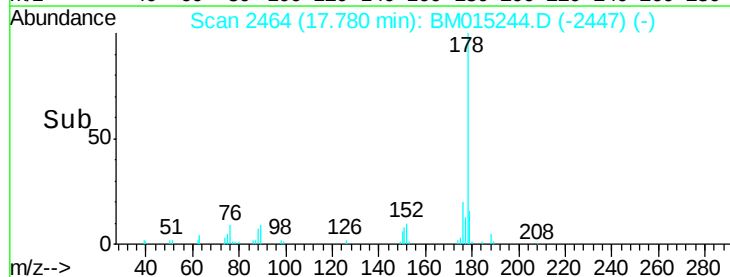
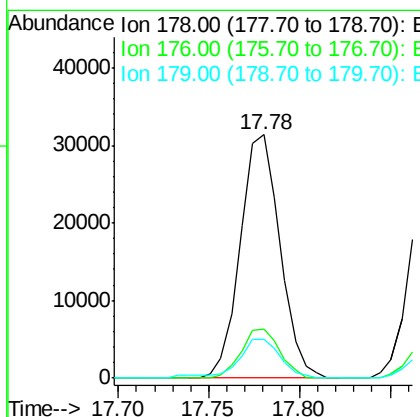
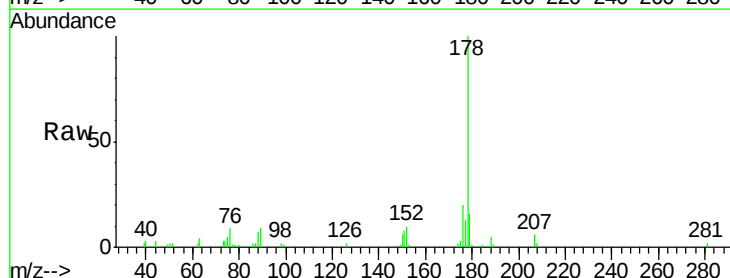
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2018

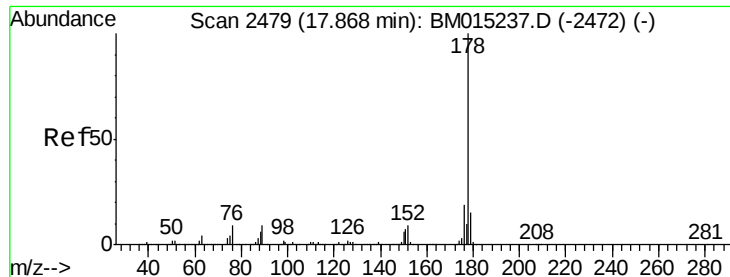
Tgt Ion:200 Resp: 4576
 Ion Ratio Lower Upper
 200 100
 173 25.9 4.8 44.8
 215 40.9 26.9 66.9



#70
 Phenanthrene
 Concen: 0.953 ng
 RT: 17.78 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: BM015244.D
 Acq: 22 May 2018 17:32

Tgt Ion:178 Resp: 47866
 Ion Ratio Lower Upper
 178 100
 176 20.4 15.2 22.8
 179 16.1 12.1 18.1

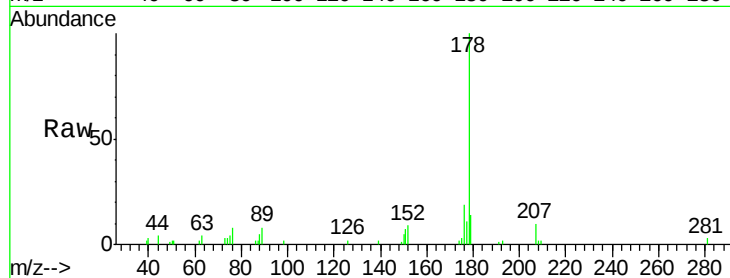




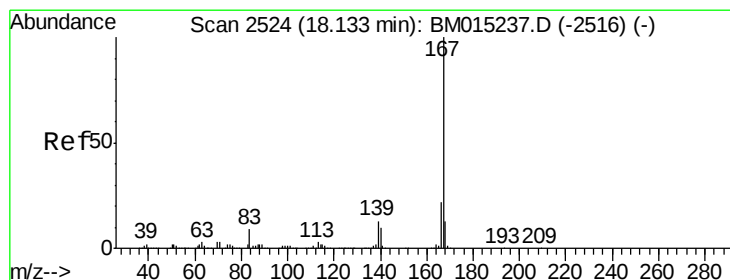
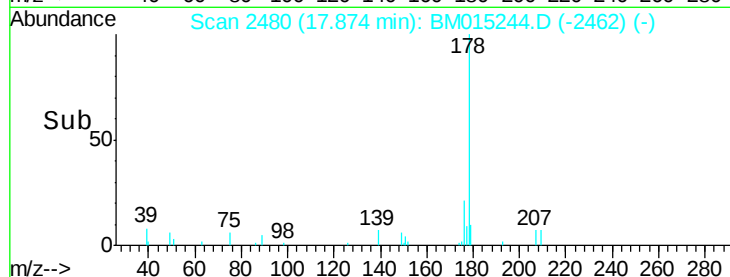
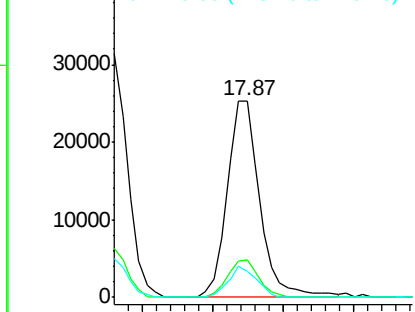
#71
 Anthracene
 Concen: 0.813 ng
 RT: 17.87 min Scan# 2480
 Delta R.T. 0.01 min
 Lab File: BM015244.D
 Acq: 22 May 2018 17:32

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2018

Tgt Ion:178 Resp: 40720
 Ion Ratio Lower Upper
 178 100
 176 18.8 14.6 22.0
 179 13.5 12.6 19.0

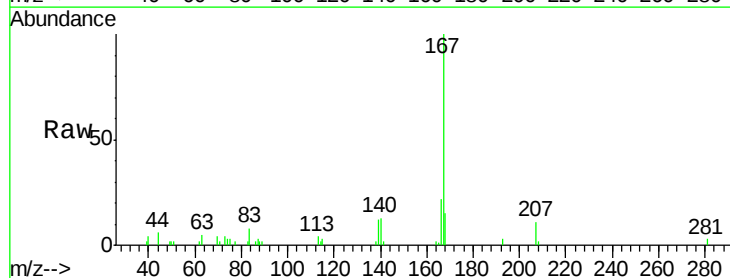


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

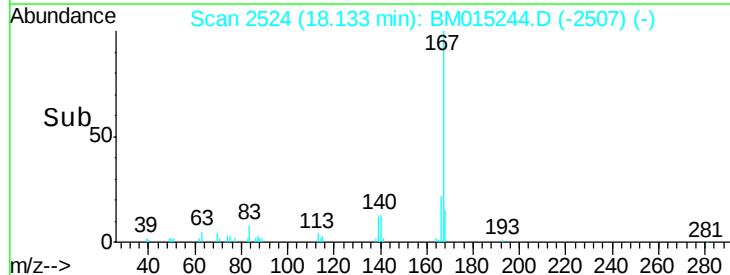
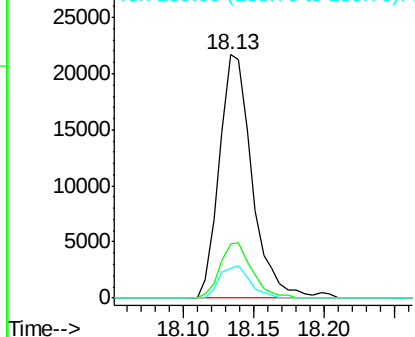


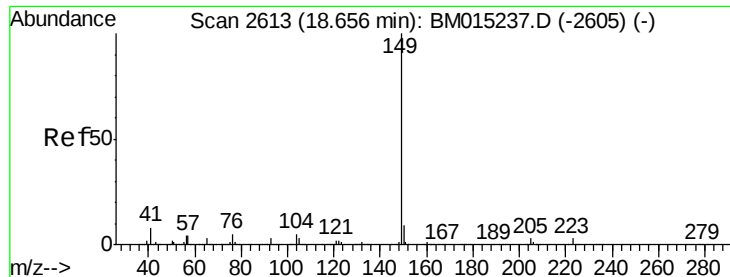
#72
 Carbazole
 Concen: 0.795 ng
 RT: 18.13 min Scan# 2524
 Delta R.T. 0.00 min
 Lab File: BM015244.D
 Acq: 22 May 2018 17:32

Tgt Ion:167 Resp: 35234
 Ion Ratio Lower Upper
 167 100
 166 22.3 17.2 25.8
 139 12.1 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

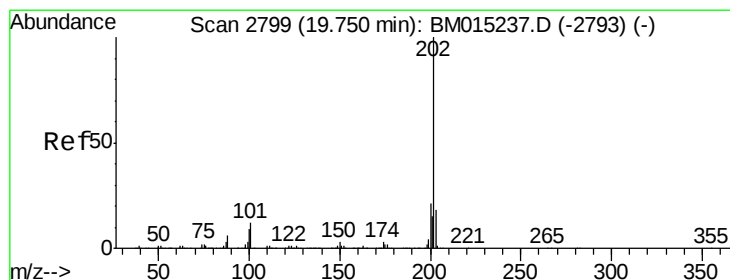
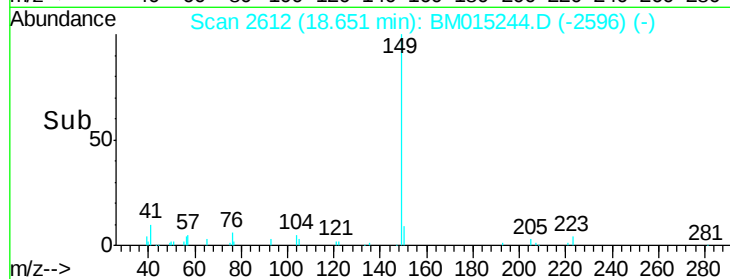
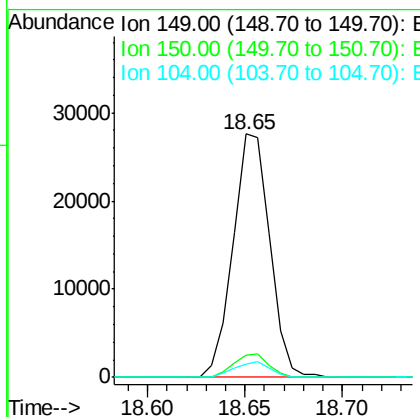
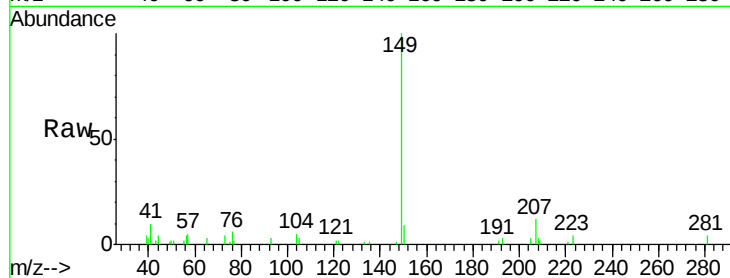




#73
Di-n-butylphthalate
Concen: 0.691 ng
RT: 18.65 min Scan# 2612
Delta R.T. -0.01 min
Lab File: BM015244.D
Acq: 22 May 2018 17:32

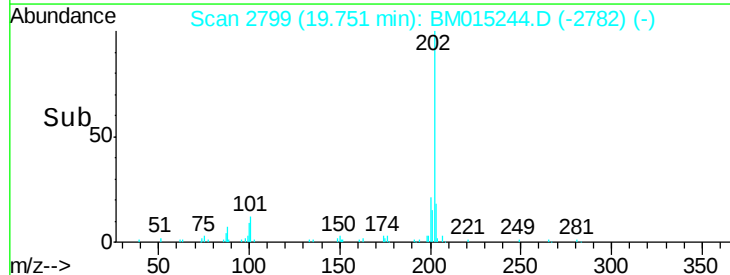
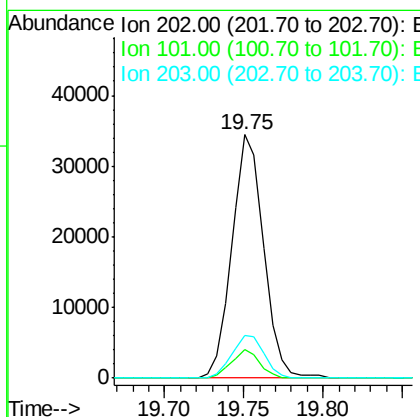
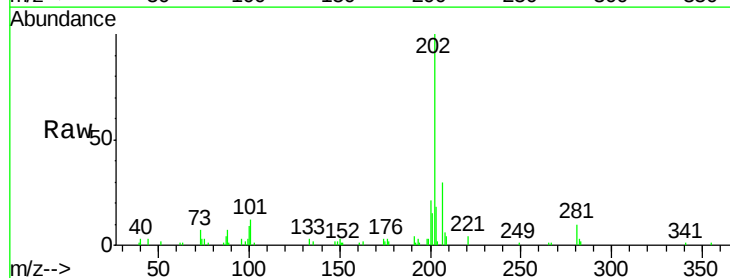
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018

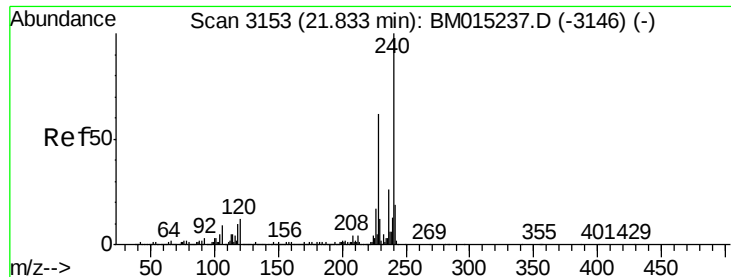
Tgt Ion:149 Resp: 36083
Ion Ratio Lower Upper
149 100
150 9.2 7.5 11.3
104 5.4 3.7 5.5



#74
Fluoranthene
Concen: 0.864 ng
RT: 19.75 min Scan# 2799
Delta R.T. 0.00 min
Lab File: BM015244.D
Acq: 22 May 2018 17:32

Tgt Ion:202 Resp: 47605
Ion Ratio Lower Upper
202 100
101 11.9 0.0 28.7
203 17.6 0.0 37.2





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.83 min Scan# 3153

Delta R.T. 0.00 min

Lab File: BM015244.D

Acq: 22 May 2018 17:32

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2018

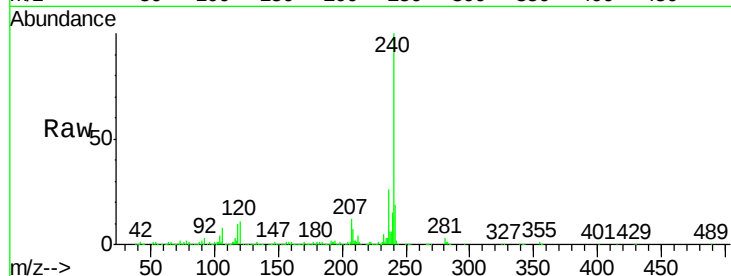
Tgt Ion:240 Resp: 873288

Ion Ratio Lower Upper

240 100

120 10.9 8.2 12.2

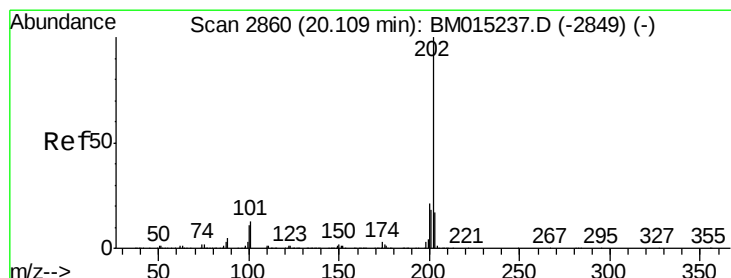
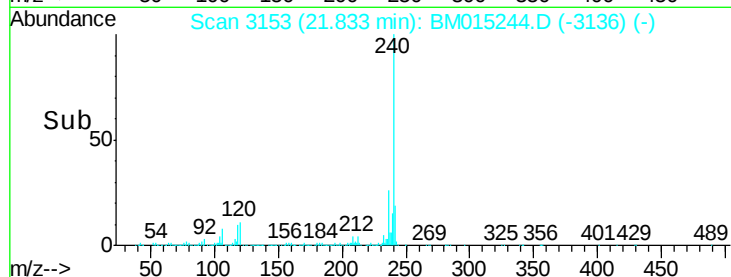
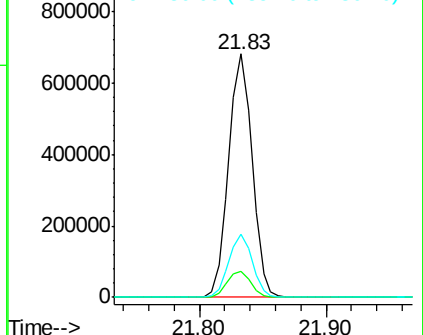
236 26.1 20.0 30.0



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



#77

Pyrene

Concen: 0.914 ng

RT: 20.11 min Scan# 2860

Delta R.T. 0.00 min

Lab File: BM015244.D

Acq: 22 May 2018 17:32

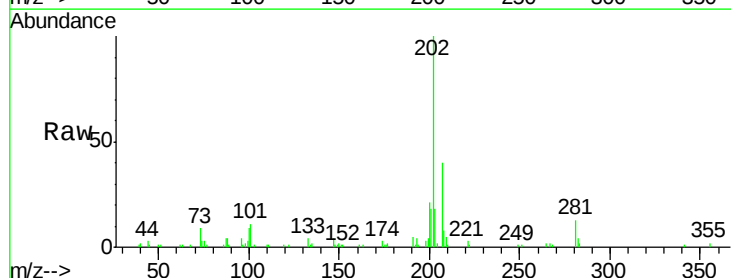
Tgt Ion:202 Resp: 50403

Ion Ratio Lower Upper

202 100

200 21.1 16.9 25.3

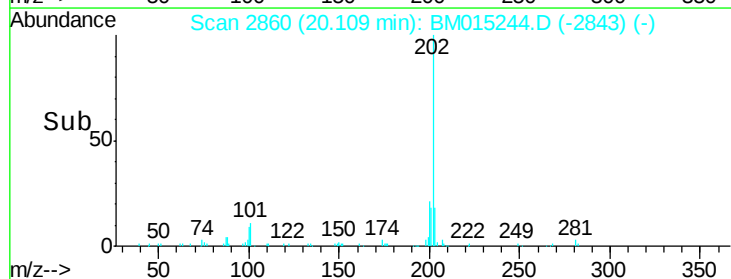
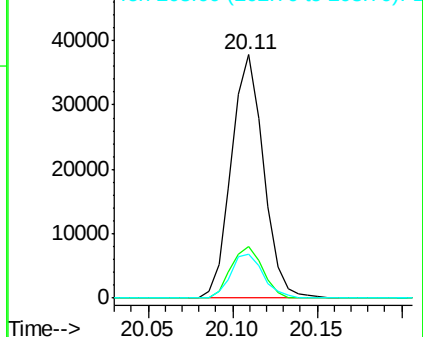
203 17.9 14.1 21.1

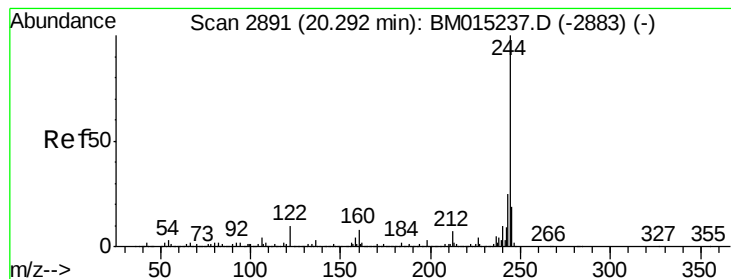


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 90.029 ng

RT: 20.29 min Scan# 2890

Delta R.T. 0.00 min

Lab File: BM015244.D

Acq: 22 May 2018 17:32

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2018

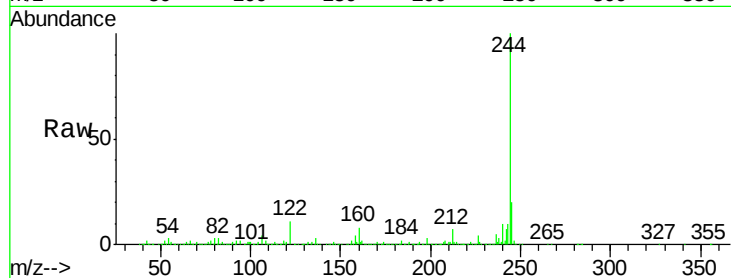
Tgt Ion:244 Resp: 3560372

Ion Ratio Lower Upper

244 100

212 7.3 4.9 7.3#

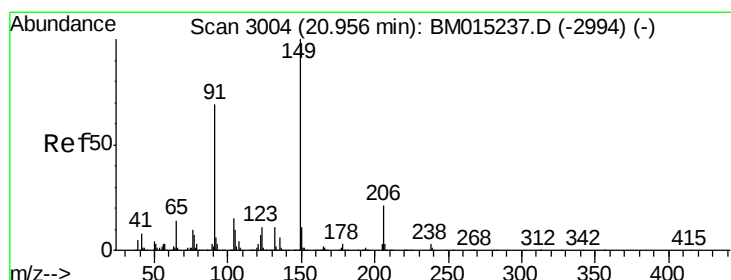
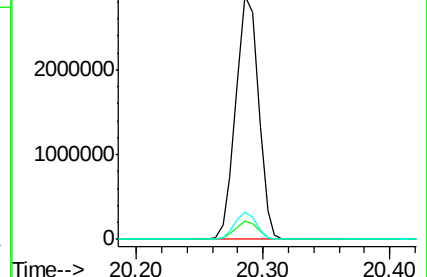
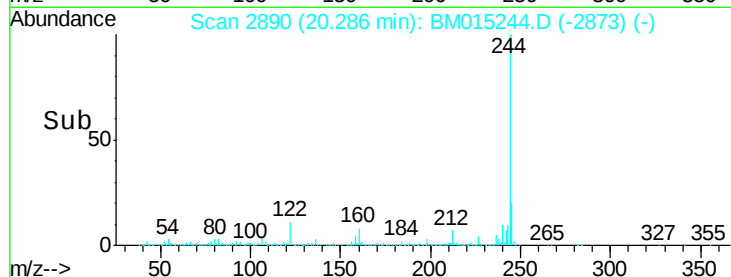
122 11.5 6.2 9.4#



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: 0.704 ng

RT: 20.95 min Scan# 3003

Delta R.T. -0.01 min

Lab File: BM015244.D

Acq: 22 May 2018 17:32

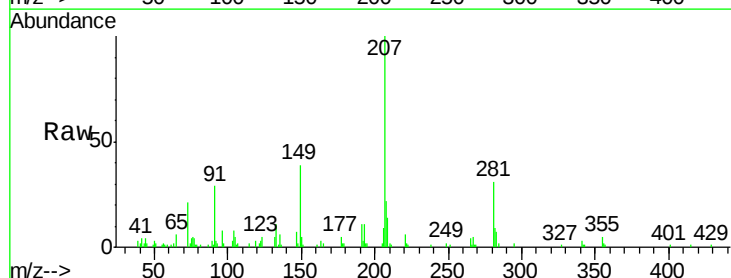
Tgt Ion:149 Resp: 15844

Ion Ratio Lower Upper

149 100

91 74.0 50.1 75.1

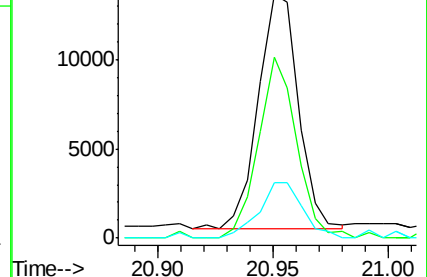
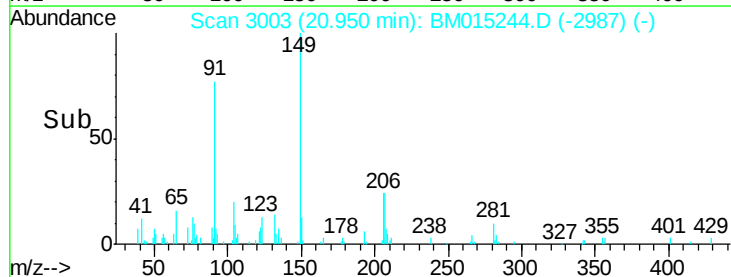
206 22.9 16.2 24.2

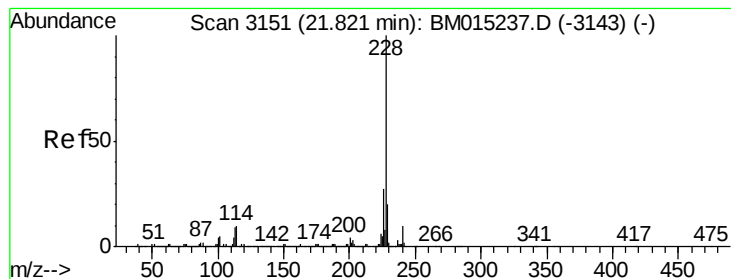


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): E

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 0.954 ng

RT: 21.82 min Scan# 3150

Delta R.T. -0.01 min

Lab File: BM015244.D

Acq: 22 May 2018 17:32

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2018

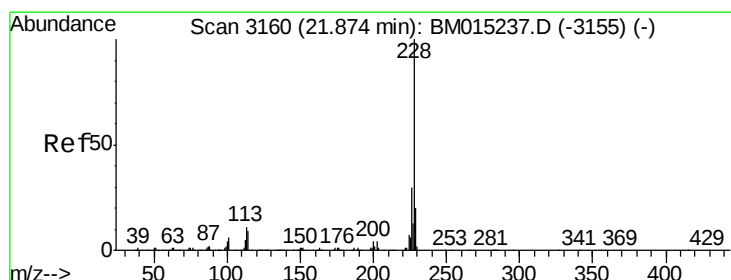
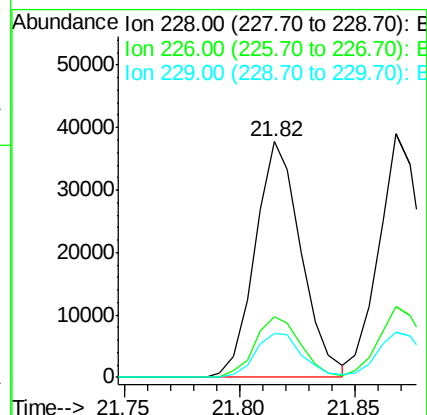
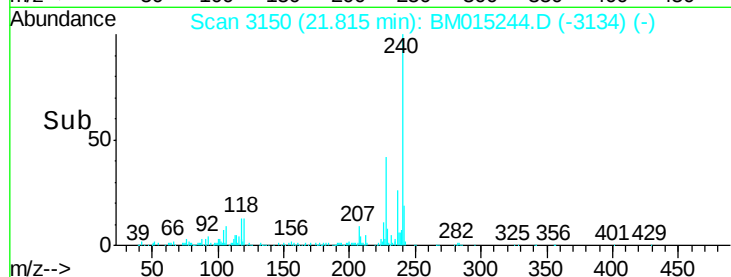
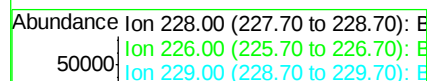
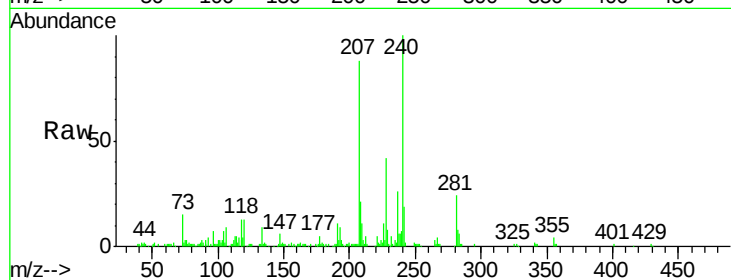
Tgt Ion:228 Resp: 52509

Ion Ratio Lower Upper

228 100

226 25.9 21.7 32.5

229 18.9 16.0 24.0



#82

Chrysene

Concen: 0.990 ng

RT: 21.87 min Scan# 3159

Delta R.T. -0.01 min

Lab File: BM015244.D

Acq: 22 May 2018 17:32

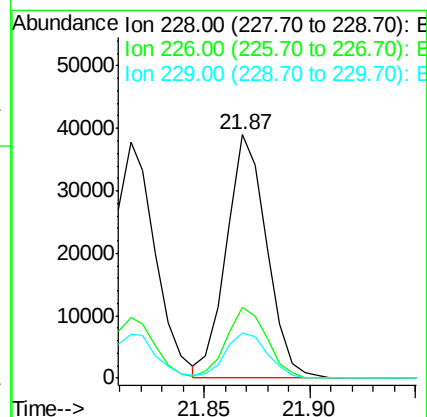
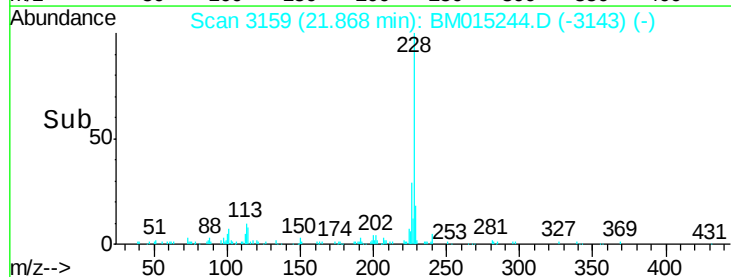
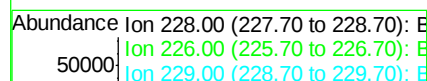
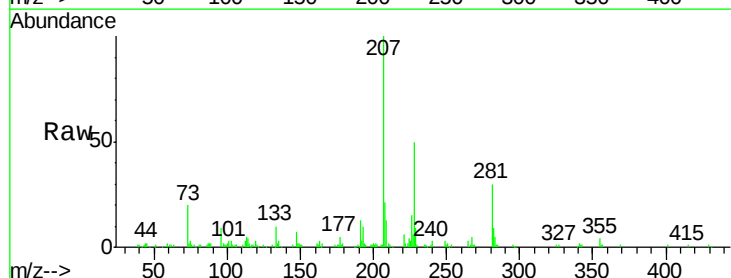
Tgt Ion:228 Resp: 51288

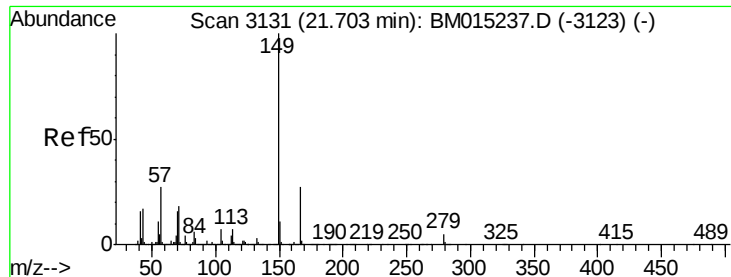
Ion Ratio Lower Upper

228 100

226 29.3 24.1 36.1

229 18.3 15.5 23.3

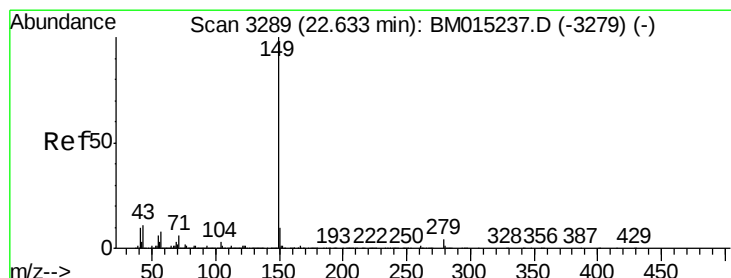
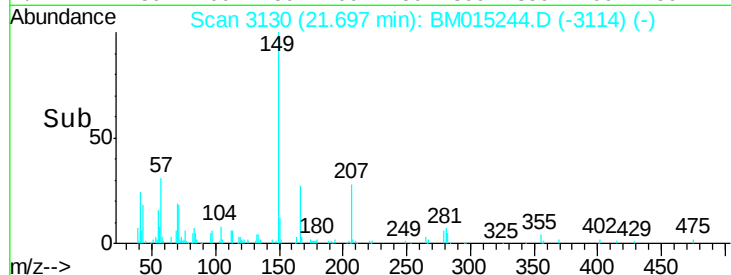
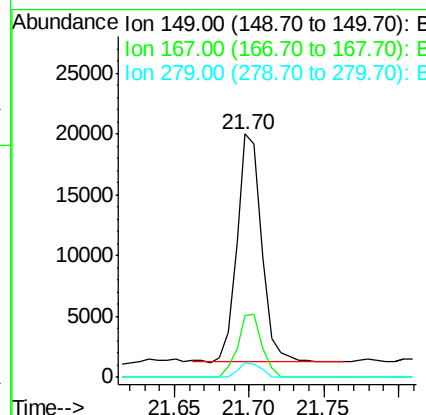
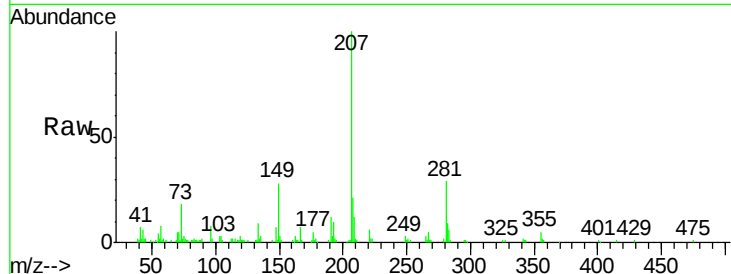




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 0.662 ng
 RT: 21.70 min Scan# 3130
 Delta R.T. -0.01 min
 Lab File: BM015244.D
 Acq: 22 May 2018 17:32

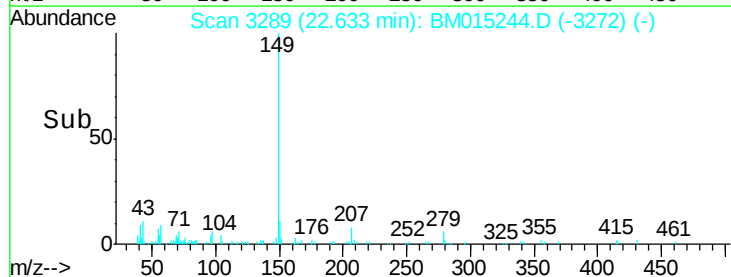
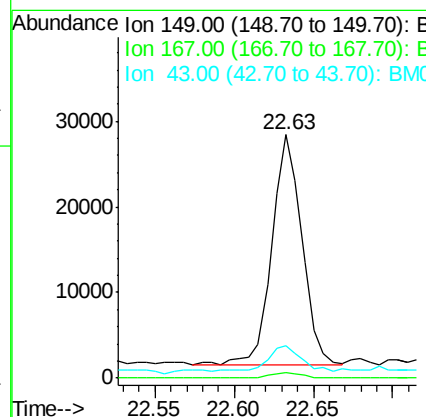
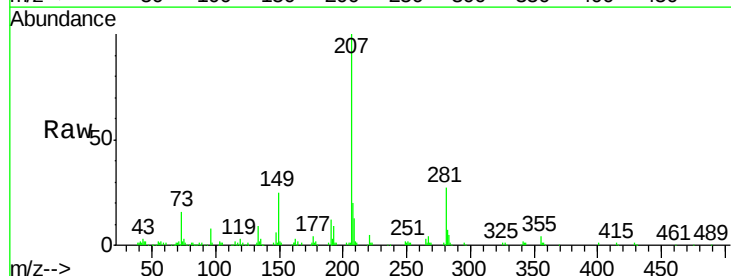
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2018

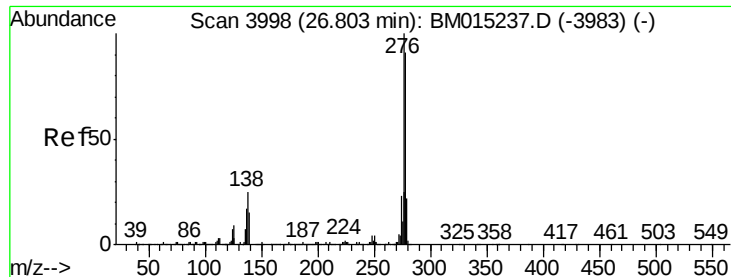
Tgt Ion:149 Resp: 21663
 Ion Ratio Lower Upper
 149 100
 167 25.6 22.4 33.6
 279 5.9 3.4 5.0#



#84
 Di-n-octyl phthalate
 Concen: 0.625 ng
 RT: 22.63 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: BM015244.D
 Acq: 22 May 2018 17:32

Tgt Ion:149 Resp: 35808
 Ion Ratio Lower Upper
 149 100
 167 2.4 1.2 1.8#
 43 12.9 7.3 10.9#

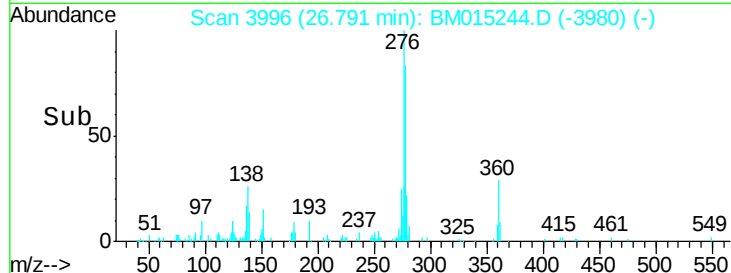
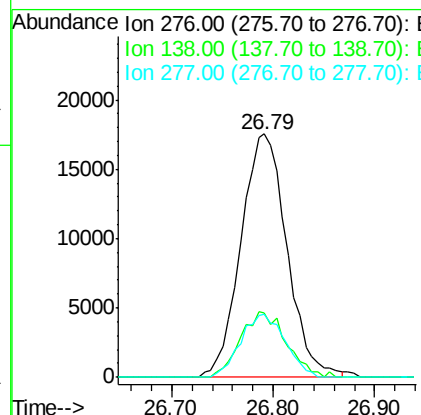
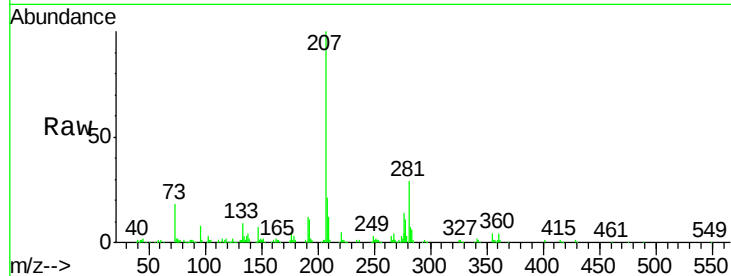




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 0.884 ng
 RT: 26.79 min Scan# 3996
 Delta R.T. -0.01 min
 Lab File: BM015244.D
 Acq: 22 May 2018 17:32

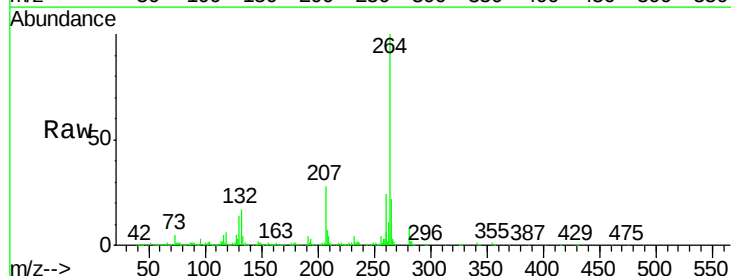
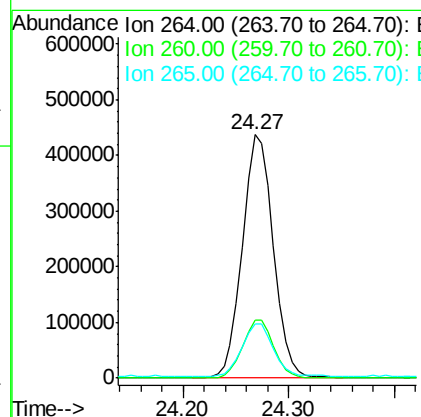
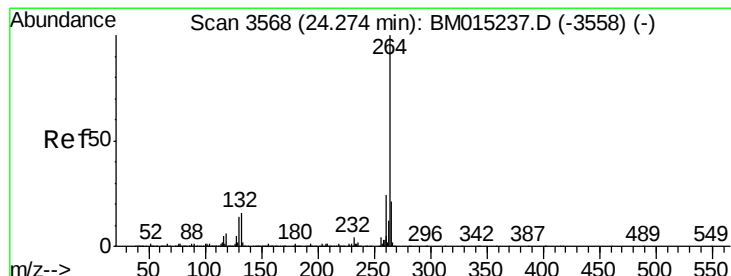
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2018

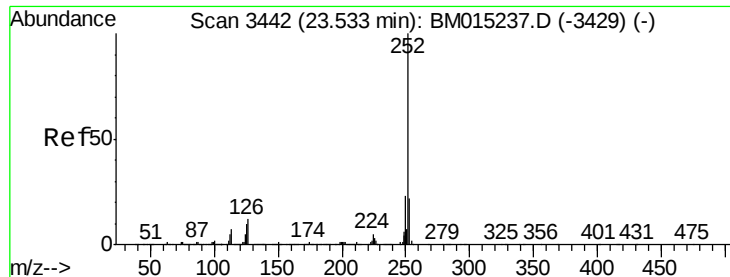
Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.9	12.0	18.0#
277	25.1	20.0	30.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.27 min Scan# 3567
 Delta R.T. -0.01 min
 Lab File: BM015244.D
 Acq: 22 May 2018 17:32

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.6	27.8
265	22.4	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 0.876 ng

RT: 23.53 min Scan# 3441

Delta R.T. 0.00 min

Lab File: BM015244.D

Acq: 22 May 2018 17:32

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2018

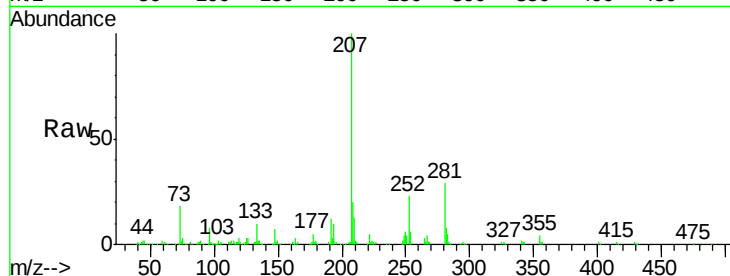
Tgt Ion:252 Resp: 49386

Ion Ratio Lower Upper

252 100

253 24.7 18.0 27.0

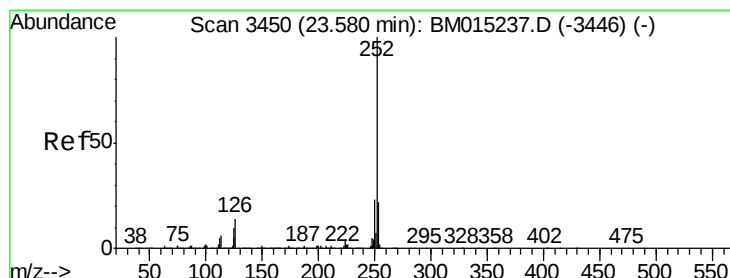
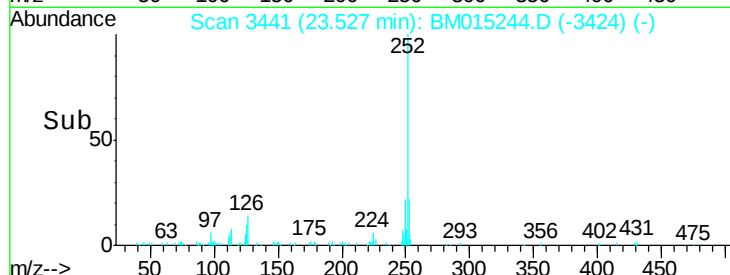
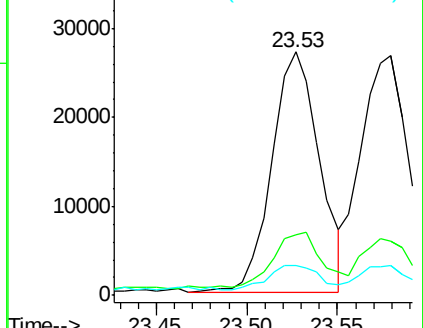
125 12.4 9.9 14.9



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: 0.907 ng

RT: 23.58 min Scan# 3450

Delta R.T. 0.00 min

Lab File: BM015244.D

Acq: 22 May 2018 17:32

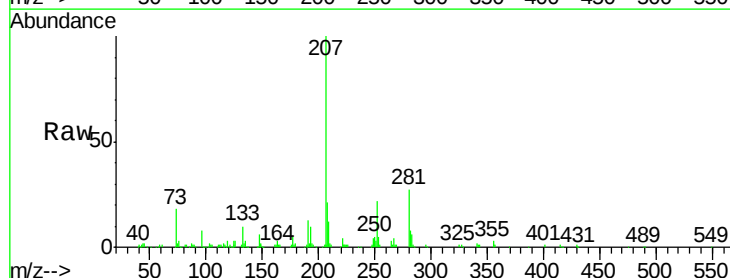
Tgt Ion:252 Resp: 48343

Ion Ratio Lower Upper

252 100

253 22.5 17.2 25.8

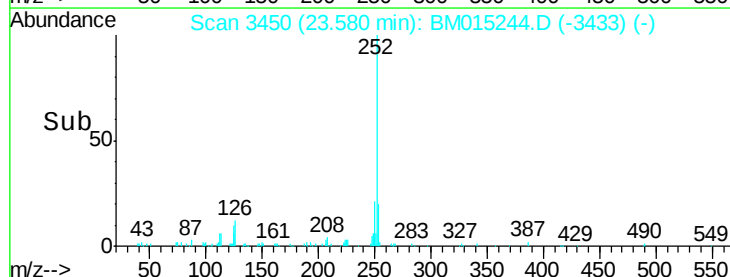
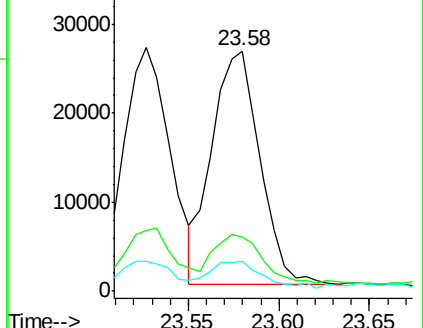
125 12.6 8.1 12.1#

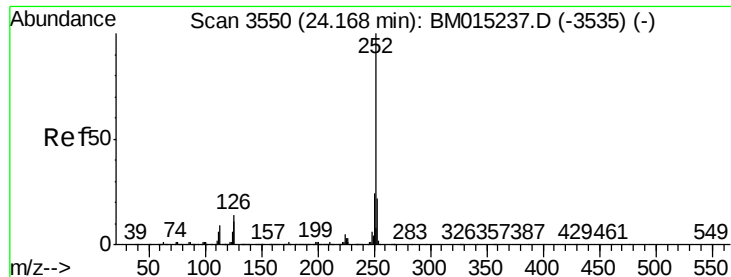


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 0.848 ng

RT: 24.17 min Scan# 3550

Delta R.T. 0.00 min

Lab File: BM015244.D

Acq: 22 May 2018 17:32

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2018

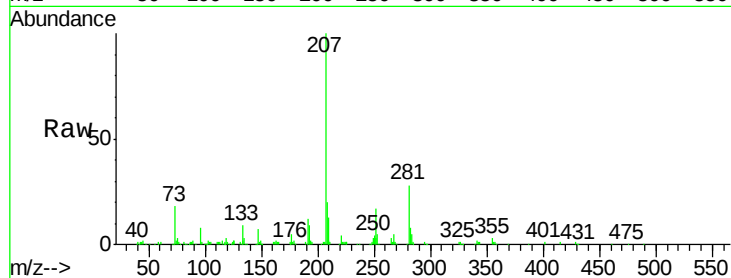
Tgt Ion:252 Resp: 44555

Ion Ratio Lower Upper

252 100

253 26.7 17.6 26.4#

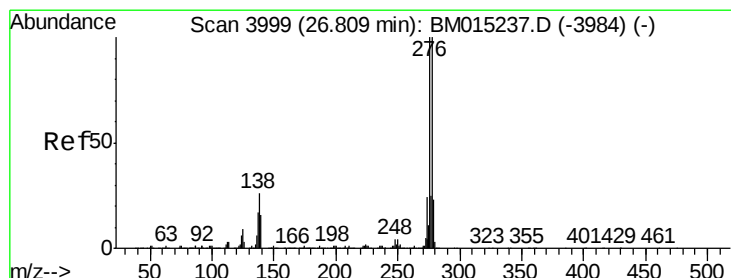
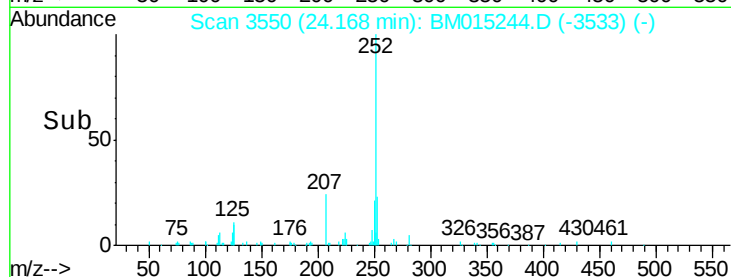
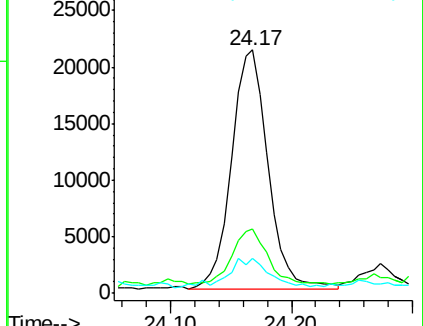
125 14.5 7.4 11.2#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 0.884 ng

RT: 26.80 min Scan# 3997

Delta R.T. -0.01 min

Lab File: BM015244.D

Acq: 22 May 2018 17:32

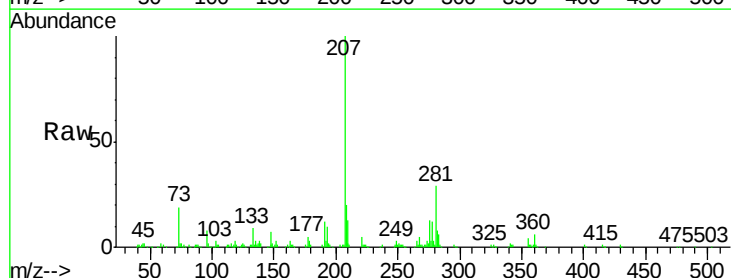
Tgt Ion:278 Resp: 47437

Ion Ratio Lower Upper

278 100

139 19.7 13.4 20.0

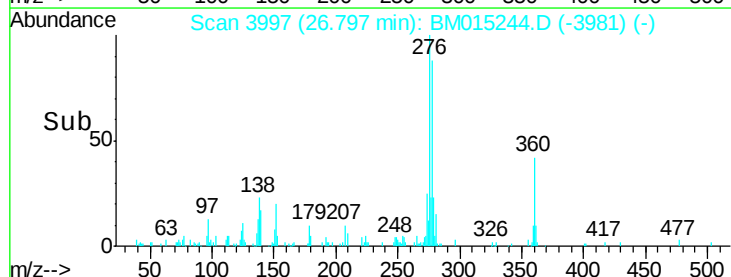
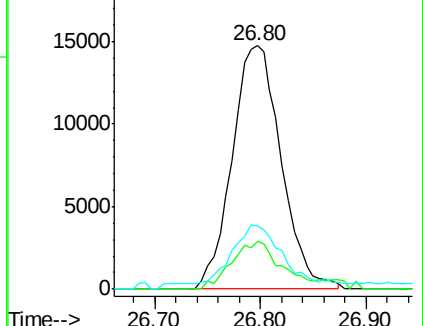
279 25.7 19.0 28.4

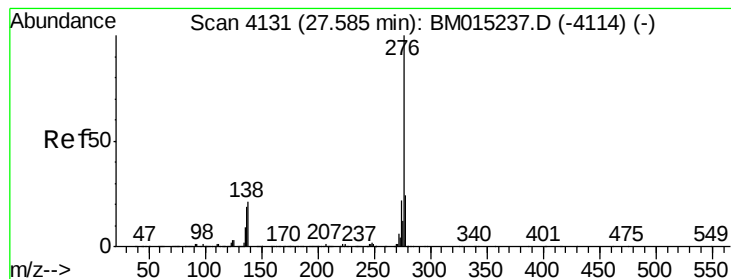


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.903 ng

RT: 27.57 min Scan# 4128

Delta R.T. -0.01 min

Lab File: BM015244.D

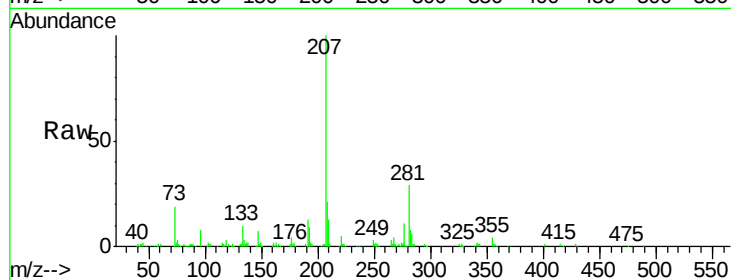
Acq: 22 May 2018 17:32

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2018



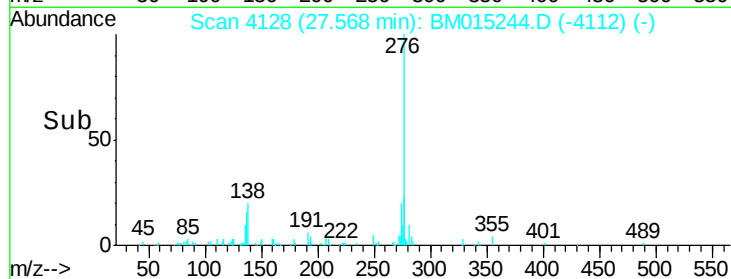
Tgt Ion: 276 Resp: 47163

Ion Ratio Lower Upper

276 100

277 22.9 18.5 27.7

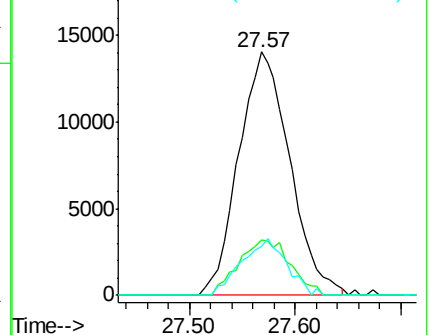
138 20.3 19.0 28.6



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



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052218\
 Data File : BM015244.D
 Acq On : 22 May 2018 17:32
 Operator : SJ/JU
 Sample : J2133-01
 Misc : LOD 1 PPM
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2018

Quant Time: May 23 04:55:41 2018
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM052218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 22 15:47:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.41	152	206663	20.00	ng	0.00
21) Naphthalene-d8	11.25	136	825551	20.00	ng	0.00
38) Acenaphthene-d10	15.02	164	426106	20.00	ng	0.00
63) Phenanthrene-d10	17.74	188	881903	20.00	ng	0.00
75) Chrysene-d12	21.83	240	873288	20.00	ng	0.00
86) Perylene-d12	24.27	264	890744	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.89	112	1689505	133.75	ng	0.00
7) Phenol-d6	7.55	99	2139096	130.05	ng	0.00
23) Nitrobenzene-d5	9.59	82	1218180	80.83	ng	0.00
41) 2,4,6-Tribromophenol	16.49	330	742067	138.88	ng	0.00
44) 2-Fluorobiphenyl	13.65	172	2704155	78.89	ng	0.00
78) Terphenyl-d14	20.29	244	3560372	90.03	ng	0.00

Target Compounds

						Qvalue
6) Aniline	7.73	93	16414	0.810	ng	93
8) 2-Chlorophenol	7.96	128	13608	0.955	ng	82
9) Benzaldehyde	7.55	77	9839	0.946	ng	# 56
10) Phenol	7.57	94	16031	0.960	ng	96
11) bis(2-Chloroethyl)ether	7.82	93	12783	0.965	ng	92
12) 1,3-Dichlorobenzene	8.30	146	16127	0.992	ng	# 94
13) 1,4-Dichlorobenzene	8.45	146	16124	0.981	ng	98
14) 1,2-Dichlorobenzene	8.77	146	15349	0.984	ng	96
15) Benzyl Alcohol	8.66	79	9600	0.807	ng	# 88
16) 2,2'-oxybis(1-Chloropropan	8.93	45	20377	0.975	ng	98
18) Hexachloroethane	9.50	117	5192	0.890	ng	91
24) Nitrobenzene	9.63	77	15384	0.980	ng	99
31) Naphthalene	11.30	128	41703	0.972	ng	98
34) Hexachlorobutadiene	11.56	225	8758	1.034	ng	96
37) 2-Methylnaphthalene	12.88	142	26761	0.900	ng	# 91
39) 1,2,4,5-Tetrachlorobenzene	13.23	216	14696	0.979	ng	# 100
45) 1,1'-Biphenyl	13.86	154	42814	1.148	ng	97
46) 2-Chloronaphthalene	13.91	162	27349	0.953	ng	95
47) 2-Nitroaniline	14.12	65	4550	0.557	ng	# 85
48) Acenaphthylene	14.75	152	35387	0.830	ng	98
49) Dimethylphthalate	14.46	163	31739	0.933	ng	# 98
50) 2,6-Dinitrotoluene	14.59	165	4472	0.630	ng	# 85
51) Acenaphthene	15.08	154	26608	1.002	ng	97
54) Dibenzofuran	15.42	168	39348	0.940	ng	99
57) Fluorene	16.05	166	29076	0.879	ng	98
58) 2,3,4,6-Tetrachlorophenol	15.63	232	4711	0.564	ng	# 100
59) Diethylphthalate	15.80	149	28765	0.858	ng	98
62) Azobenzene	16.33	77	21578	0.678	ng	90
65) n-Nitrosodiphenylamine	16.25	169	22751	0.803	ng	98
66) 4-Bromophenyl-phenylether	16.92	248	8564	0.869	ng	# 83
67) Hexachlorobenzene	17.04	284	10828	0.954	ng	# 85
68) Atrazine	17.17	200	4576	0.509	ng	93
70) Phenanthrene	17.78	178	47866	0.953	ng	97
71) Anthracene	17.87	178	40720	0.813	ng	97

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052218\
 Data File : BM015244.D
 Acq On : 22 May 2018 17:32
 Operator : SJ/JU
 Sample : J2133-01
 Misc : LOD 1 PPM
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2018

Quant Time: May 23 04:55:41 2018
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM052218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 22 15:47:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

72) Carbazole	18.13	167	35234	0.795	ng	98
73) Di-n-butylphthalate	18.65	149	36083	0.691	ng	99
74) Fluoranthene	19.75	202	47605	0.864	ng	96
77) Pyrene	20.11	202	50403	0.914	ng	100
79) Butylbenzylphthalate	20.95	149	15844	0.704	ng	87
80) Benzo(a)anthracene	21.82	228	52509	0.954	ng	98
82) Chrysene	21.87	228	51288	0.990	ng	98
83) Bis(2-ethylhexyl)phthalate	21.70	149	21663	0.662	ng #	95
84) Di-n-octyl phthalate	22.63	149	35808	0.625	ng #	91
85) Indeno(1,2,3-cd)pyrene	26.79	276	55425	0.884	ng #	89
87) Benzo(b)fluoranthene	23.53	252	49386	0.876	ng	97
88) Benzo(k)fluoranthene	23.58	252	48343	0.907	ng #	96
89) Benzo(a)pyrene	24.17	252	44555	0.848	ng #	89
90) Dibenzo(a,h)anthracene	26.80	278	47437	0.884	ng	95
91) Benzo(g,h,i)perylene	27.57	276	47163	0.903	ng	96

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