

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM113015\
 Data File : BM003333.D
 Acq On : 30 Nov 2015 23:46
 Operator : UM/IZ
 Sample : G3707-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOD-SOIL2015-01

Quant Time: Dec 01 02:51:37 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BM112715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 27 16:36:40 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	65530	5.00	ng	-0.02
7) Naphthalene-d8	10.51	136	265936	5.00	ng	-0.02
13) Acenaphthene-d10	14.37	164	146351	5.00	ng	0.00
19) Phenanthrene-d10	17.11	188	330353	5.00	ng	0.00
26) Chrysene-d12	21.31	240	184142	5.00	ng	-0.01
35) Perylene-d12	23.58	264	161509	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.31	112	93140	7.21	ng	0.00
5) Phenol-d6	6.88	99	118343	7.98	ng	-0.02
8) Nitrobenzene-d5	8.88	82	45771	3.87	ng	-0.01
14) 2,4,6-Tribromophenol	15.86	330	24610	7.26	ng	0.00
15) 2-Fluorobiphenyl	13.00	172	162376	3.44	ng	0.00
29) Terphenyl-d14	19.76	244	115772	4.51	ng	0.00

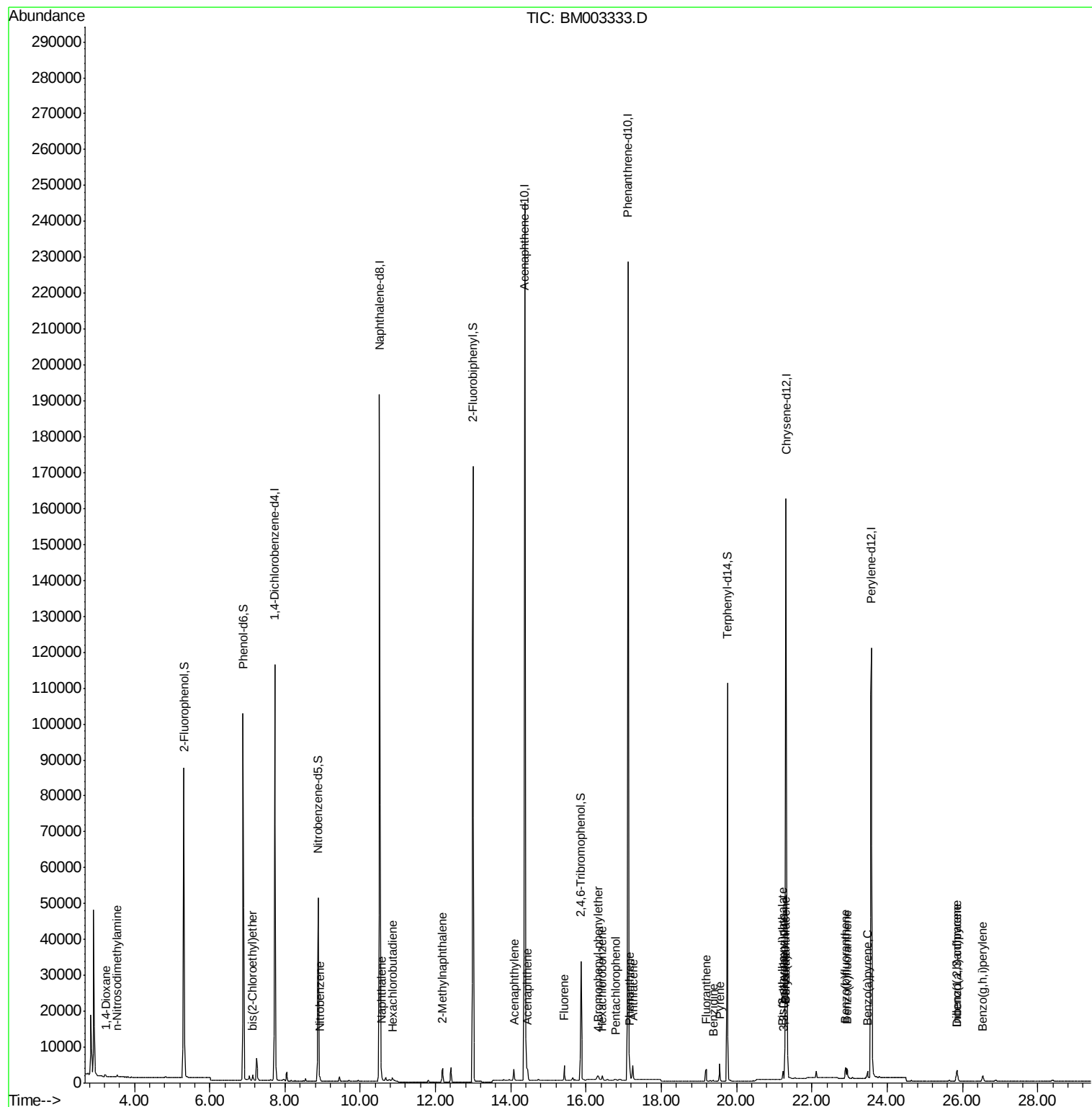
Target Compounds						Qvalue
2) 1,4-Dioxane	3.23	88	684	0.04	ng	# 78
3) n-Nitrosodimethylamine	3.54	42	456	0.08	ng	# 99
6) bis(2-Chloroethyl)ether	7.14	93	1228	0.08	ng	# 99
9) Nitrobenzene	8.92	77	1264	0.10	ng	# 92
10) Naphthalene	10.56	128	4728	0.08	ng	# 96
11) Hexachlorobutadiene	10.85	225	1219	0.14	ng	# 69
12) 2-Methylnaphthalene	12.18	142	2979	0.08	ng	# 97
16) Acenaphthylene	14.08	152	3731	0.07	ng	# 99
17) Acenaphthene	14.44	154	3317	0.08	ng	# 100
18) Fluorene	15.42	166	3187	0.08	ng	# 100
20) 4-Bromophenyl-phenylether	16.32	248	750	0.27	ng	# 39
21) Hexachlorobenzene	16.42	284	896	0.08	ng	# 60
22) Pentachlorophenol	16.78	266	115	0.12	ng	# 78
23) Phenanthrene	17.17	178	4778	0.16	ng	# 69
24) Anthracene	17.24	178	4893	0.08	ng	# 98
25) Fluoranthene	19.19	202	4685	0.07	ng	# 98
27) Benzidine	19.38	184	490	0.17	ng	# 38
28) Pyrene	19.55	202	4907	0.09	ng	# 99
30) Benzo(a)anthracene	21.29	228	4553	0.10	ng	# 84
31) 3,3'-Dichlorobenzidine	21.25	252	941	0.26	ng	# 87
32) Chrysene	21.29	228	4540	0.09	ng	# 98
33) Bis(2-ethylhexyl)phthalate	21.23	149	2024	0.14	ng	# 94
34) Indeno(1,2,3-cd)pyrene	25.84	276	3814	0.09	ng	# 81
36) Benzo(b)fluoranthene	22.89	252	3751	0.08	ng	# 81
37) Benzo(k)fluoranthene	22.93	252	3537	0.08	ng	# 79
38) Benzo(a)pyrene	23.47	252	3119	0.08	ng	# 73
39) Dibenzo(a,h)anthracene	25.86	278	3055	0.10	ng	# 83
40) Benzo(g,h,i)perylene	26.54	276	3433	0.09	ng	# 86

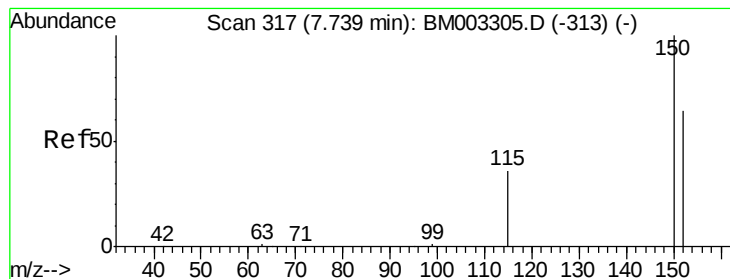
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.72 min Scan# 316

Delta R.T. -0.02 min

Lab File: BM003333.D

Acq: 30 Nov 2015 23:46

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL2015-01

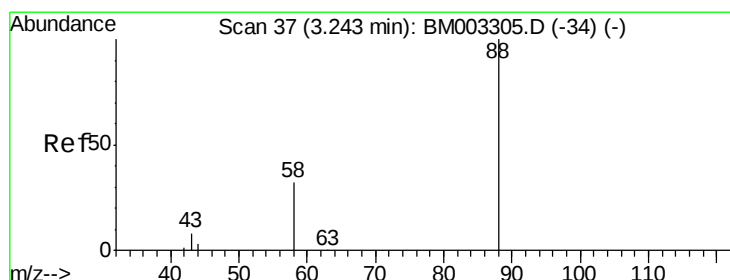
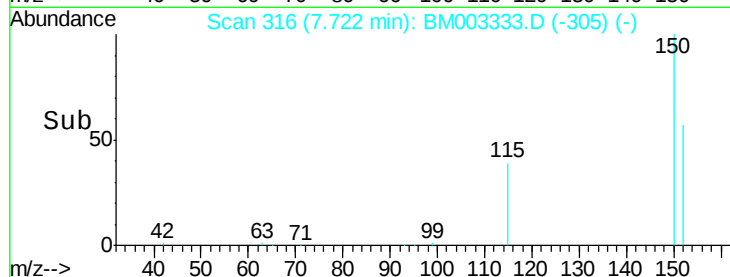
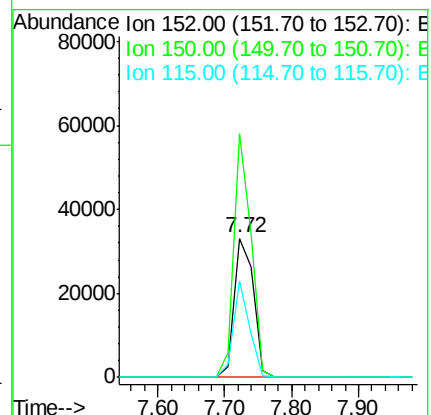
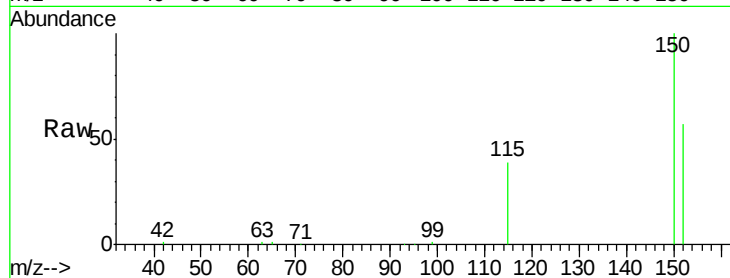
Tgt Ion:152 Resp: 65530

Ion Ratio Lower Upper

152 100

150 174.9 143.6 215.4

115 69.0 58.5 87.7



#2

1,4-Dioxane

Concen: 0.04 ng

RT: 3.23 min Scan# 36

Delta R.T. -0.02 min

Lab File: BM003333.D

Acq: 30 Nov 2015 23:46

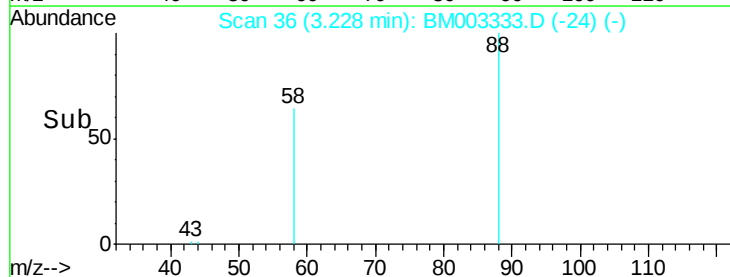
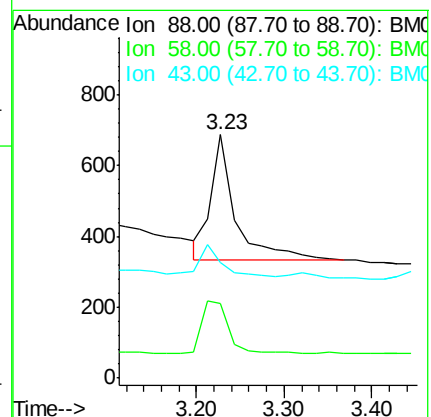
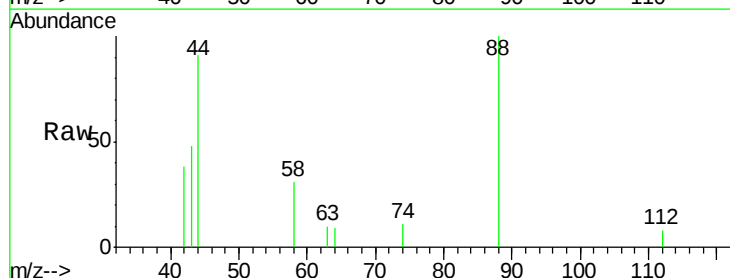
Tgt Ion: 88 Resp: 684

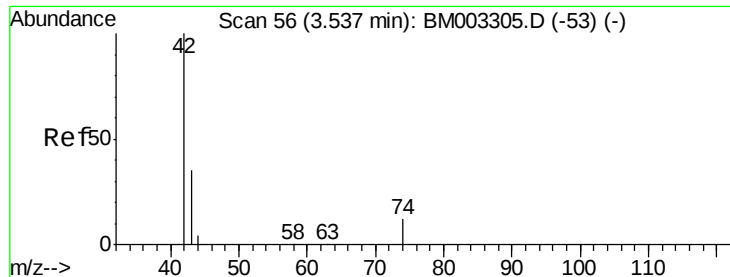
Ion Ratio Lower Upper

88 100

58 45.3 55.2 82.8#

43 25.9 21.8 32.6





#3

n-Nitrosodimethylamine

Concen: 0.08 ng

RT: 3.54 min Scan# 56

Delta R.T. 0.00 min

Lab File: BM003333.D

Acq: 30 Nov 2015 23:46

Instrument :

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ClientSampleId :

LOD-SOIL2015-01

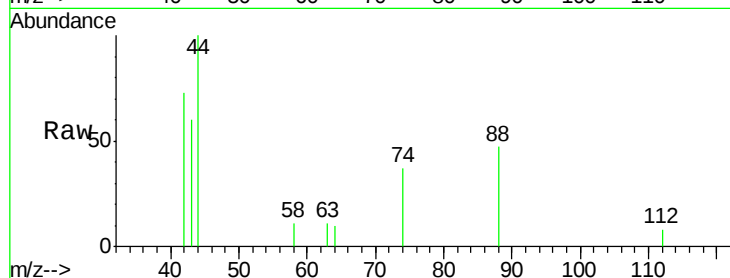
Tgt Ion: 42 Resp: 456

Ion Ratio Lower Upper

42 100

74 125.7 101.0 151.4

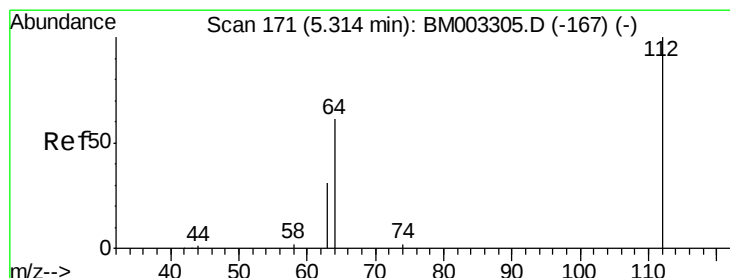
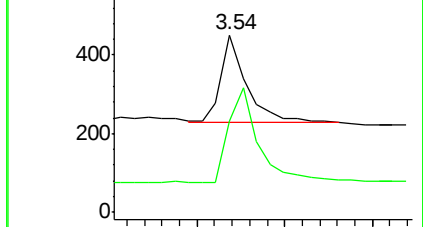
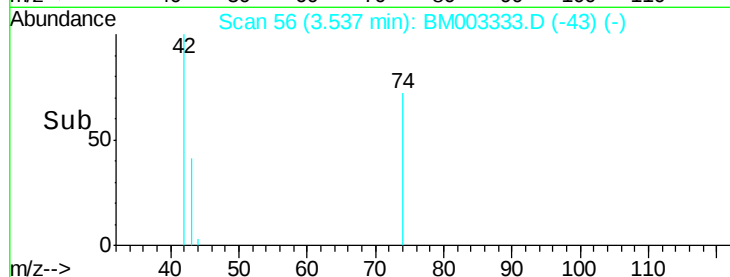
44 13.8 6.3 9.5#



Abundance Ion 42.00 (41.70 to 42.70): BM003333.D (-43) (-)

Ion 74.00 (73.70 to 74.70): BM003333.D (-43) (-)

Ion 44.00 (43.70 to 44.70): BM003333.D (-43) (-)



#4

2-Fluorophenol

Concen: 7.21 ng

RT: 5.31 min Scan# 171

Delta R.T. 0.00 min

Lab File: BM003333.D

Acq: 30 Nov 2015 23:46

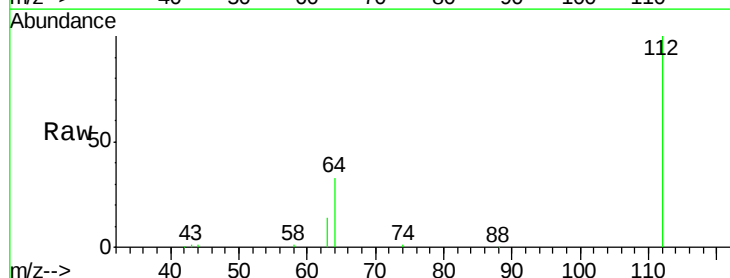
Tgt Ion: 112 Resp: 93140

Ion Ratio Lower Upper

112 100

64 51.7 41.2 61.8

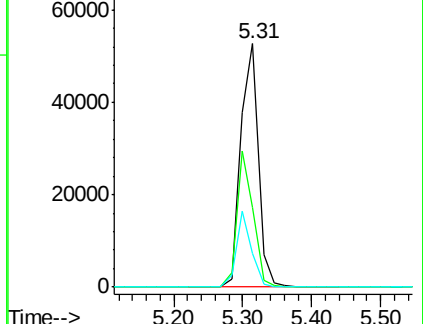
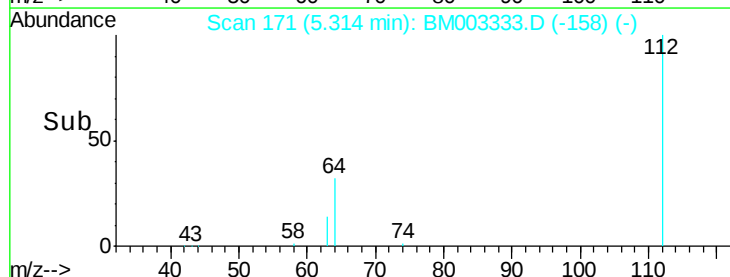
63 26.8 21.2 31.8

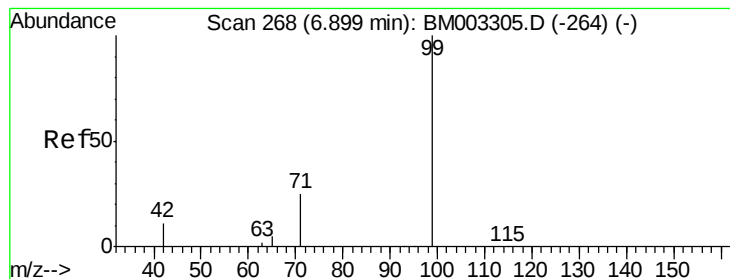


Abundance Ion 112.00 (111.70 to 112.70): BM003333.D (-158) (-)

Ion 64.00 (63.70 to 64.70): BM003333.D (-158) (-)

Ion 63.00 (62.70 to 63.70): BM003333.D (-158) (-)





#5

Phenol-d6

Concen: 7.98 ng

RT: 6.88 min Scan# 267

Delta R.T. -0.02 min

Lab File: BM003333.D

Acq: 30 Nov 2015 23:46

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL2015-01

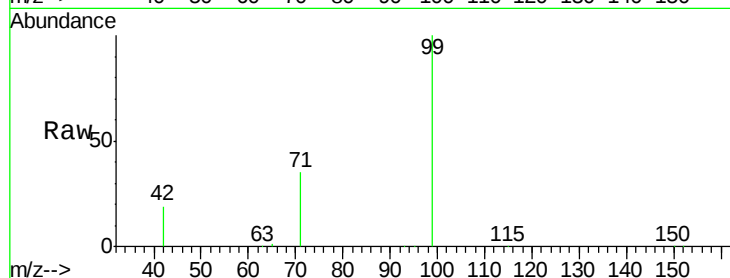
Tgt Ion: 99 Resp: 118343

Ion Ratio Lower Upper

99 100

42 17.4 14.6 22.0

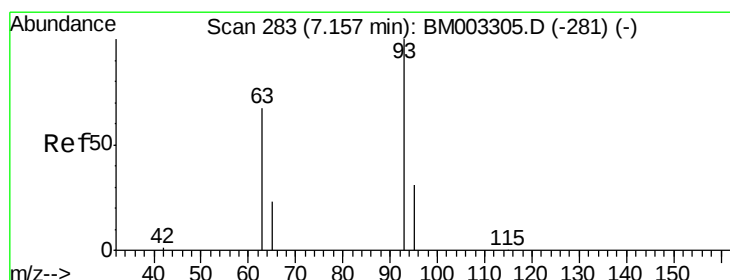
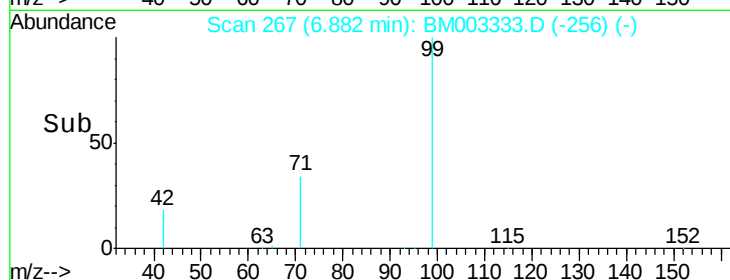
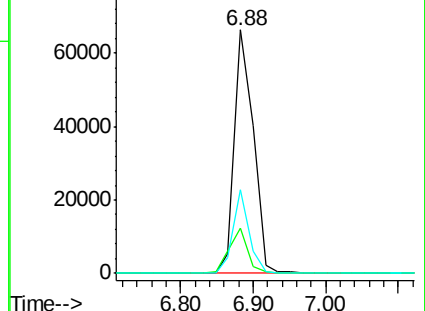
71 29.4 23.3 34.9



Abundance Ion 99.00 (98.70 to 99.70): BM003333.D (-267) (-)

Ion 42.00 (41.70 to 42.70): BM003333.D (-267) (-)

Ion 71.00 (70.70 to 71.70): BM003333.D (-267) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.08 ng

RT: 7.14 min Scan# 282

Delta R.T. -0.02 min

Lab File: BM003333.D

Acq: 30 Nov 2015 23:46

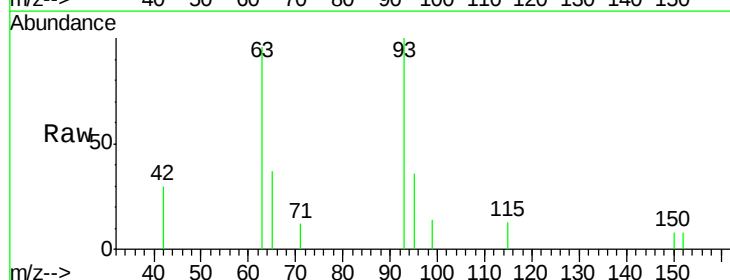
Tgt Ion: 93 Resp: 1228

Ion Ratio Lower Upper

93 100

63 72.1 58.2 87.4

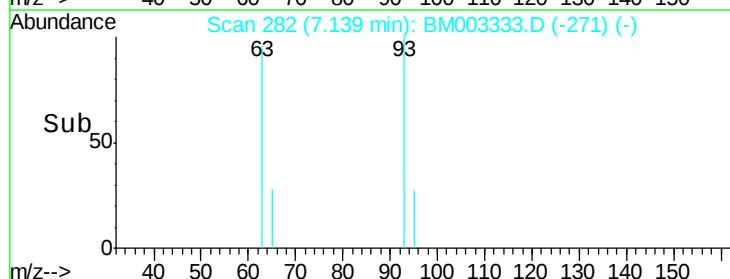
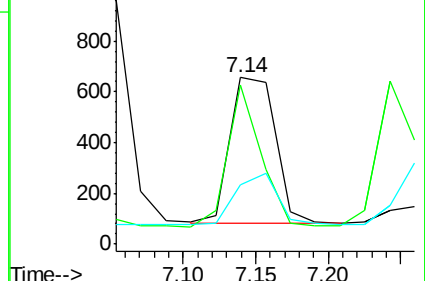
95 33.0 26.2 39.4

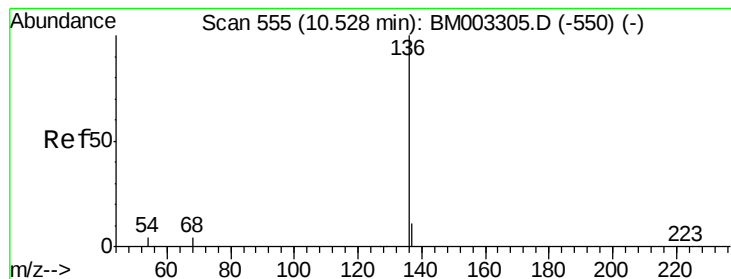


Abundance Ion 93.00 (92.70 to 93.70): BM003333.D (-282) (-)

Ion 63.00 (62.70 to 63.70): BM003333.D (-282) (-)

Ion 95.00 (94.70 to 95.70): BM003333.D (-282) (-)





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.51 min Scan# 554

Delta R.T. -0.02 min

Lab File: BM003333.D

Acq: 30 Nov 2015 23:46

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL2015-01

Tgt Ion:136 Resp: 265936

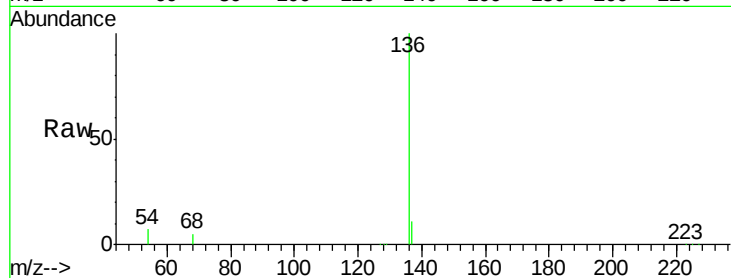
Ion Ratio Lower Upper

136 100

137 10.6 8.0 12.0

54 6.5 7.4 11.0#

68 5.4 5.8 8.6#

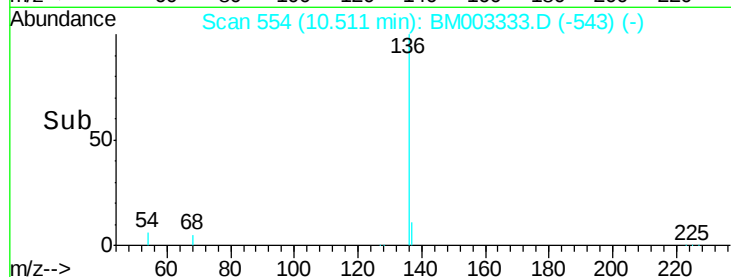


Abundance Ion 136.00 (135.70 to 136.70): E

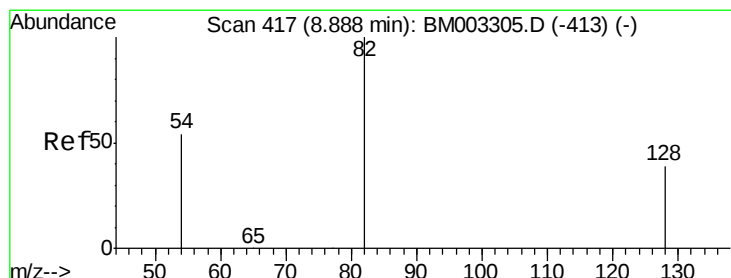
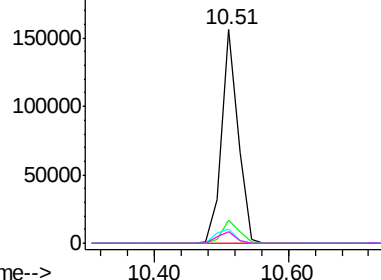
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM

Ion 68.00 (67.70 to 68.70): BM



Time-->



#8

Nitrobenzene-d5

Concen: 3.87 ng

RT: 8.88 min Scan# 416

Delta R.T. -0.01 min

Lab File: BM003333.D

Acq: 30 Nov 2015 23:46

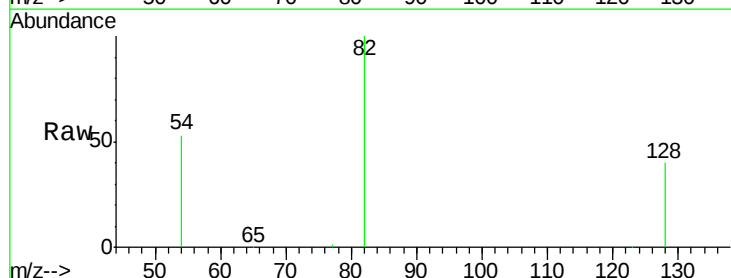
Tgt Ion: 82 Resp: 45771

Ion Ratio Lower Upper

82 100

128 39.7 35.2 52.8

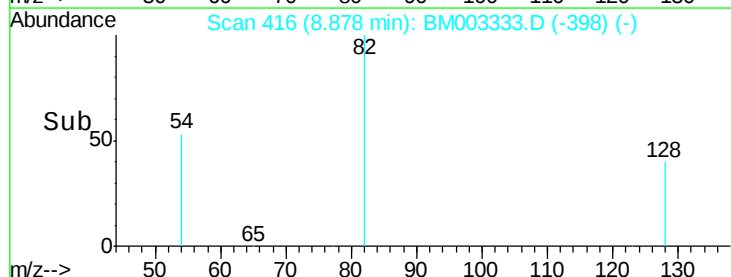
54 52.8 36.4 54.6



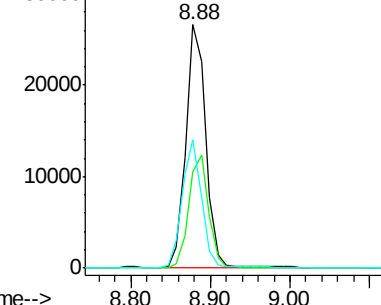
Abundance Ion 82.00 (81.70 to 82.70): BM

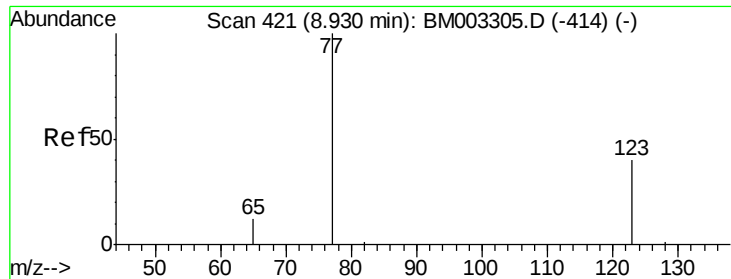
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM



Time-->





#9

Nitrobenzene

Concen: 0.10 ng

RT: 8.92 min Scan# 420

Delta R.T. -0.01 min

Lab File: BM003333.D

Acq: 30 Nov 2015 23:46

Instrument :

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ClientSampleId :

LOD-SOIL2015-01

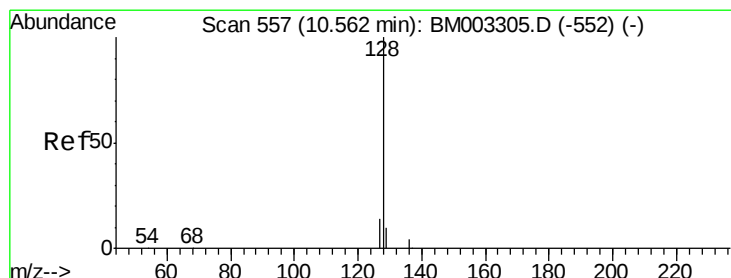
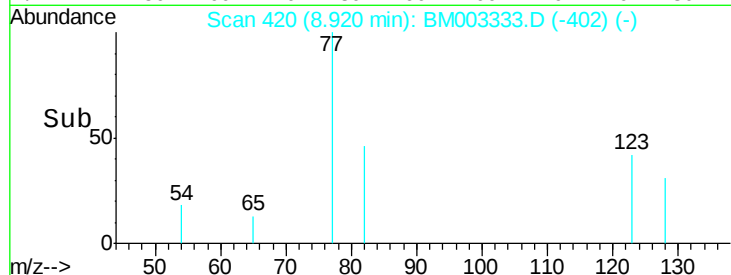
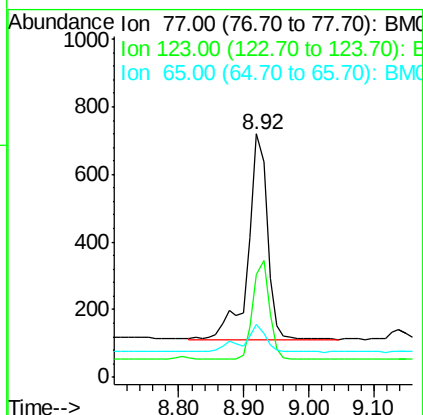
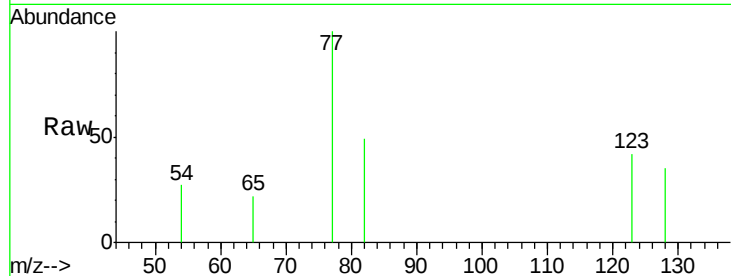
Tgt Ion: 77 Resp: 1264

Ion Ratio Lower Upper

77 100

123 41.6 37.7 56.5

65 15.6 9.8 14.6#



#10

Naphthalene

Concen: 0.08 ng

RT: 10.56 min Scan# 557

Delta R.T. 0.00 min

Lab File: BM003333.D

Acq: 30 Nov 2015 23:46

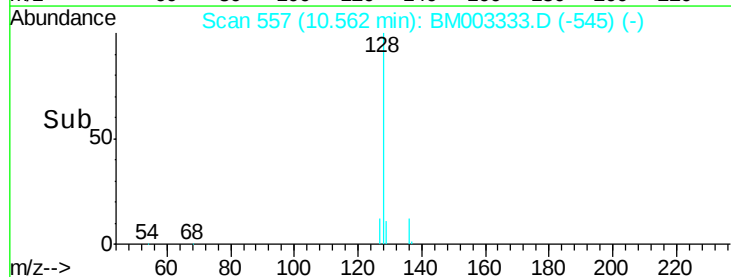
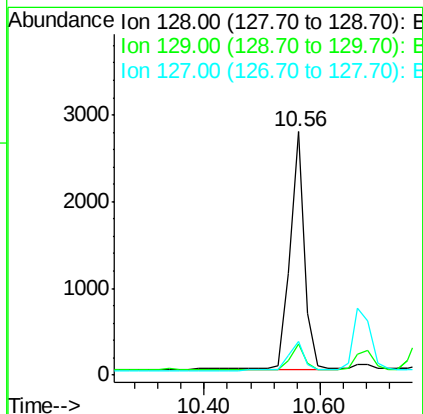
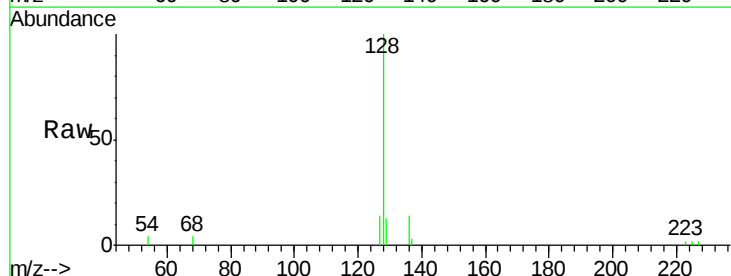
Tgt Ion: 128 Resp: 4728

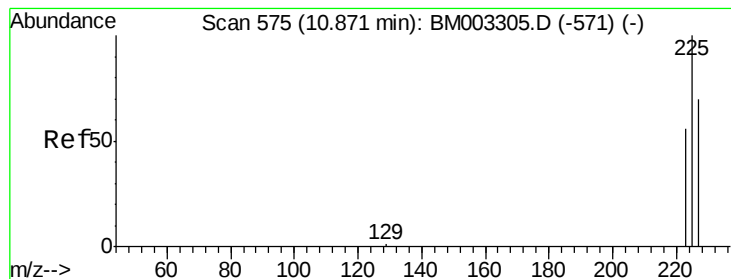
Ion Ratio Lower Upper

128 100

129 12.9 8.5 12.7#

127 14.0 10.6 16.0





#11

Hexachlorobutadiene

Concen: 0.14 ng

RT: 10.85 min Scan# 574

Delta R.T. -0.02 min

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Acq: 30 Nov 2015 23:46

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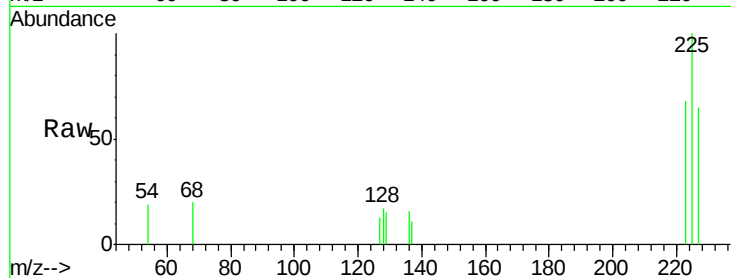
Tgt Ion:225 Resp: 1219

Ion Ratio Lower Upper

225 100

223 85.8 53.0 79.4#

227 35.1 52.2 78.4#



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

10.85

400

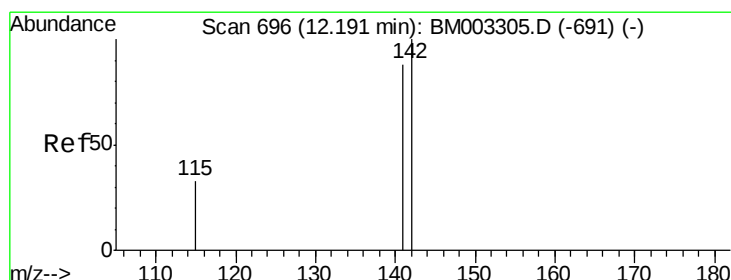
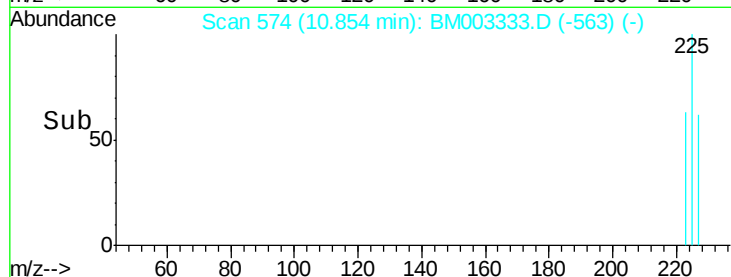
300

200

100

0

Time--> 10.70 10.80 10.90 11.00



#12

2-Methylnaphthalene

Concen: 0.08 ng

RT: 12.18 min Scan# 696

Delta R.T. -0.01 min

Lab File: BM003333.D

Acq: 30 Nov 2015 23:46

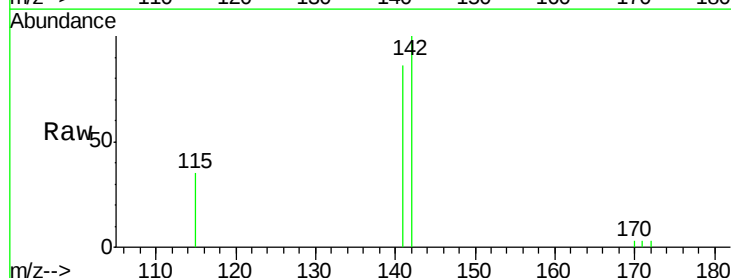
Tgt Ion:142 Resp: 2979

Ion Ratio Lower Upper

142 100

141 86.3 72.2 108.2

115 34.9 28.0 42.0



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

12.18

2500

2000

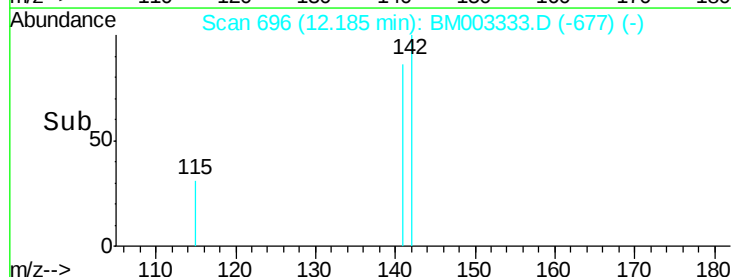
1500

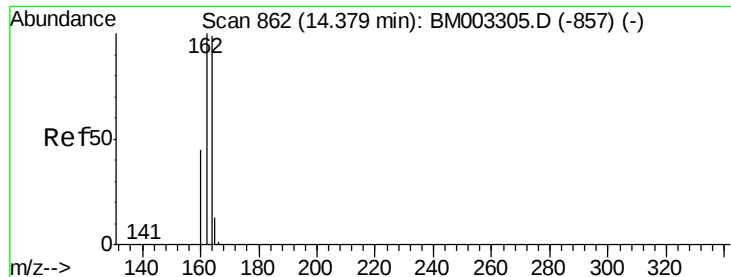
1000

500

0

Time--> 12.10 12.20 12.30





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.37 min Scan# 862

Delta R.T. -0.01 min

Lab File: BM003333.D

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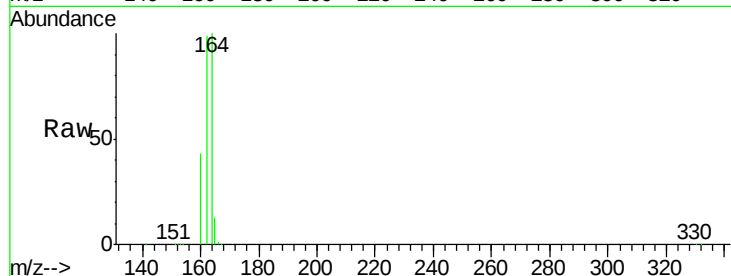
Tgt Ion:164 Resp: 146351

Ion Ratio Lower Upper

164 100

162 98.8 78.3 117.5

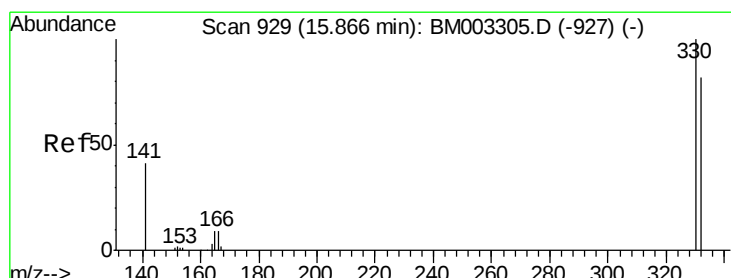
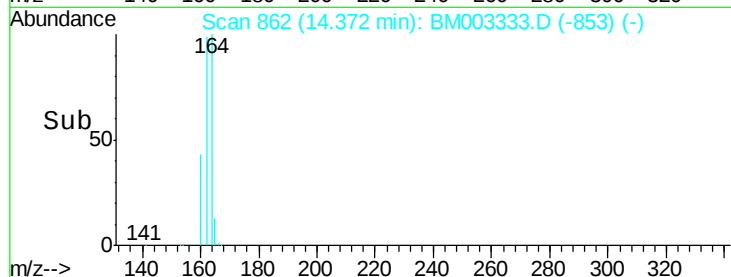
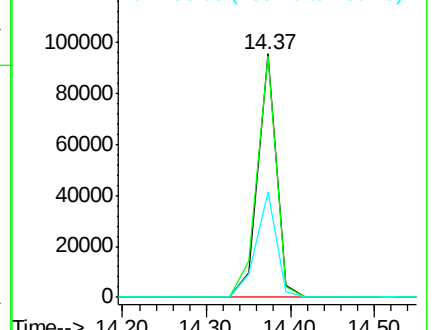
160 43.2 33.8 50.6



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



#14

2,4,6-Tribromophenol

Concen: 7.26 ng

RT: 15.86 min Scan# 929

Delta R.T. -0.01 min

Lab File: BM003333.D

Acq: 30 Nov 2015 23:46

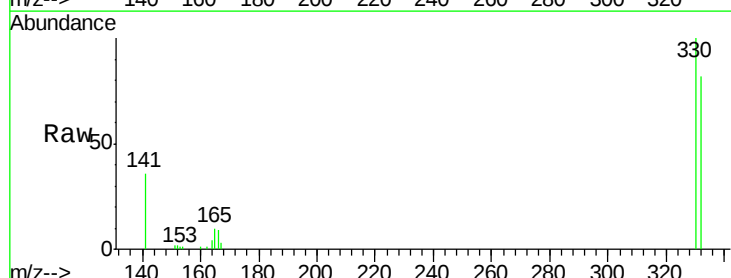
Tgt Ion:330 Resp: 24610

Ion Ratio Lower Upper

330 100

332 93.7 76.0 114.0

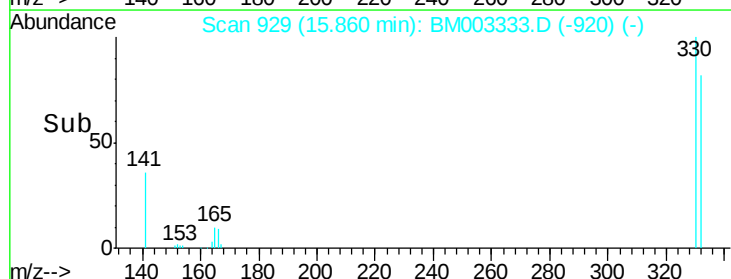
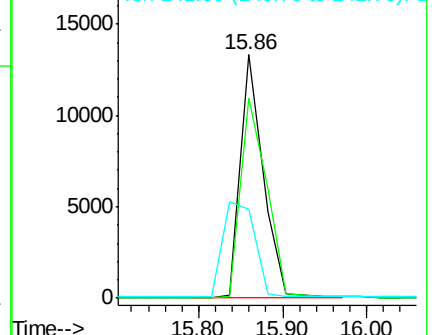
141 0.0 0.0 0.0

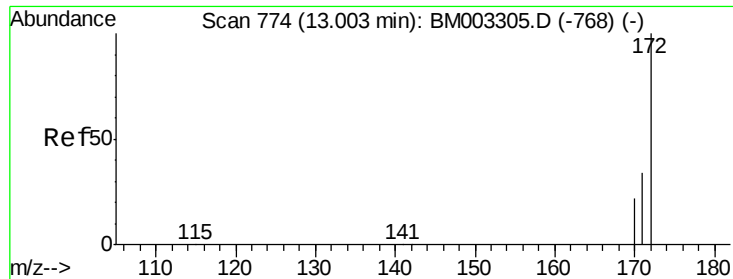


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

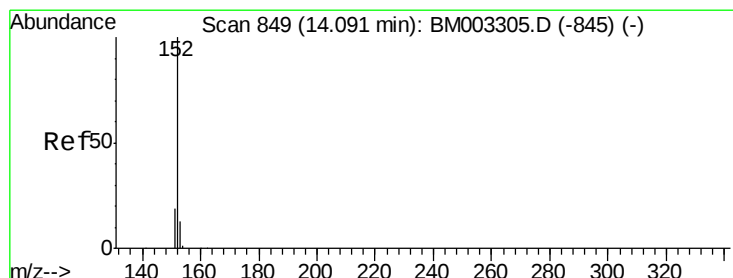
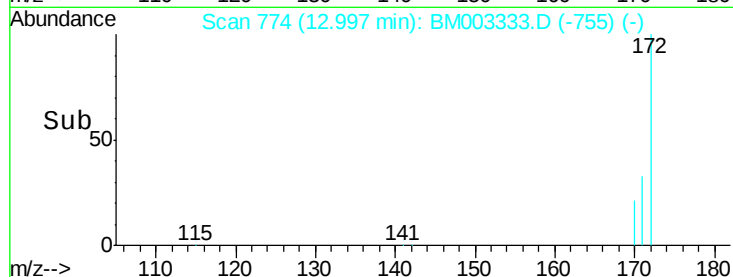
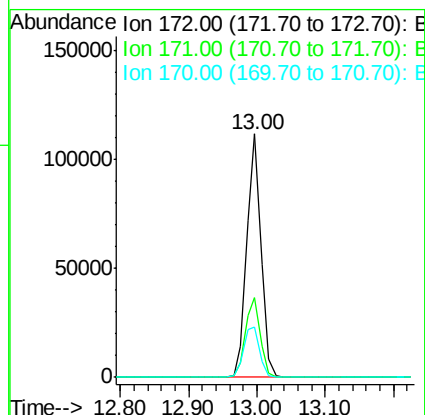
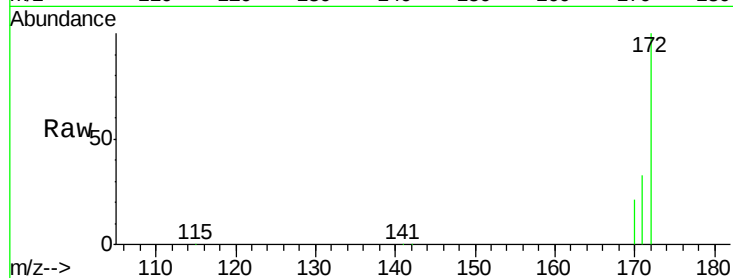




#15
2-Fluorobiphenyl
Concen: 3.44 ng
RT: 13.00 min Scan# 774
Delta R.T. -0.01 min
Lab File: BM003333.D
Acq: 30 Nov 2015 23:46

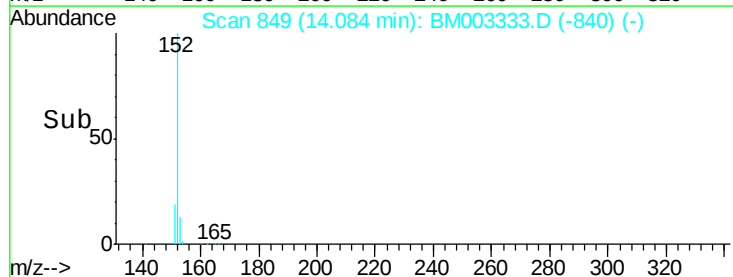
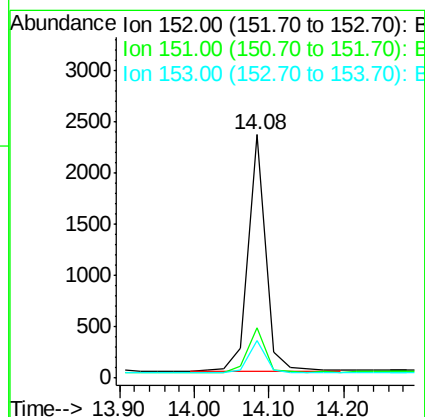
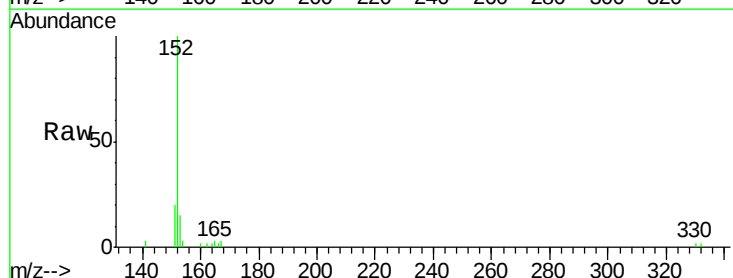
Instrument :
BNA_M
ClientSampleId :
LOD-SOIL2015-01

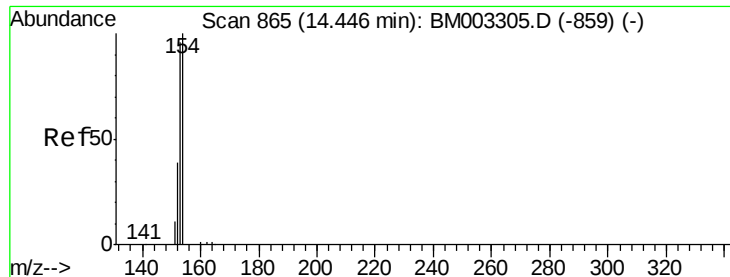
Tgt Ion:172 Resp: 162376
Ion Ratio Lower Upper
172 100
171 32.7 28.0 42.0
170 20.8 18.9 28.3



#16
Acenaphthylene
Concen: 0.07 ng
RT: 14.08 min Scan# 849
Delta R.T. -0.01 min
Lab File: BM003333.D
Acq: 30 Nov 2015 23:46

Tgt Ion:152 Resp: 3731
Ion Ratio Lower Upper
152 100
151 19.3 15.2 22.8
153 13.3 10.4 15.6





#17

Acenaphthene

Concen: 0.08 ng

RT: 14.44 min Scan# 865

Delta R.T. -0.01 min

Lab File: BM003333.D

Acq: 30 Nov 2015 23:46

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL2015-01

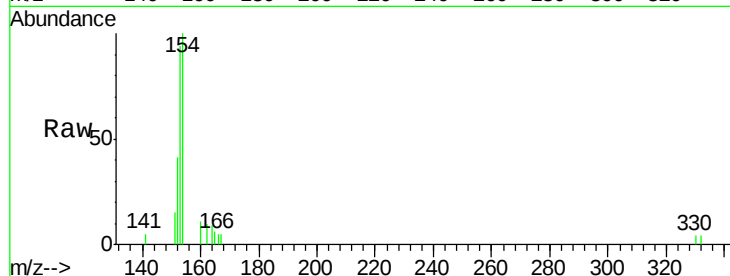
Tgt Ion:154 Resp: 3317

Ion Ratio Lower Upper

154 100

153 0.0 0.0 0.0

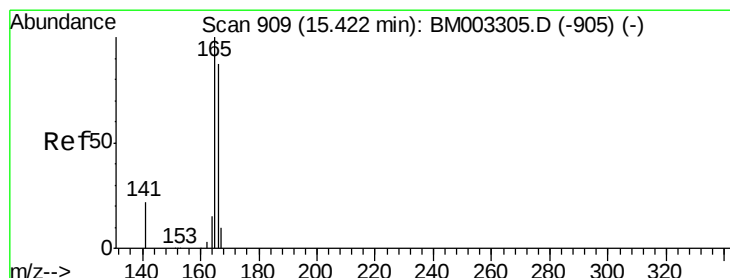
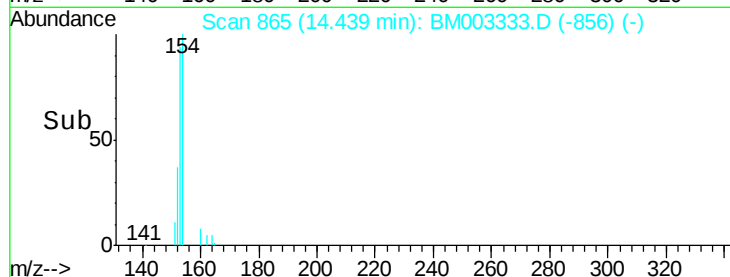
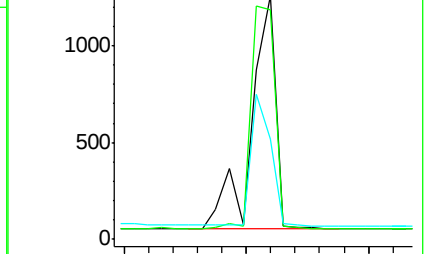
152 0.0 0.0 0.0



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



#18

Fluorene

Concen: 0.08 ng

RT: 15.42 min Scan# 909

Delta R.T. -0.01 min

Lab File: BM003333.D

Acq: 30 Nov 2015 23:46

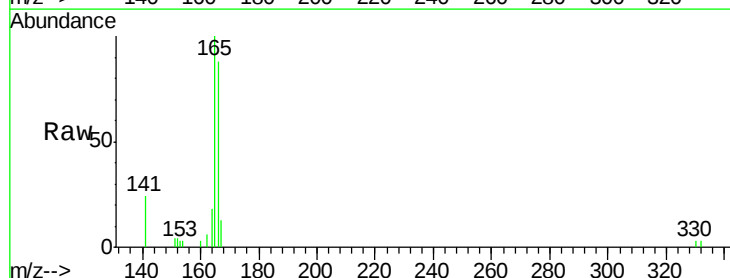
Tgt Ion:166 Resp: 3187

Ion Ratio Lower Upper

166 100

165 100.8 80.8 121.2

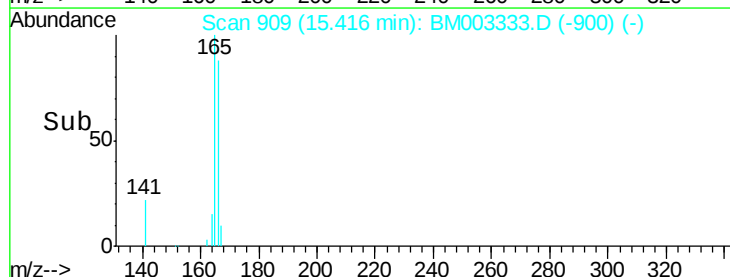
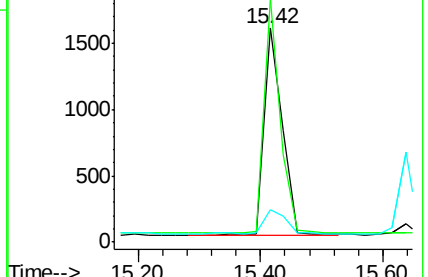
167 13.9 10.5 15.7

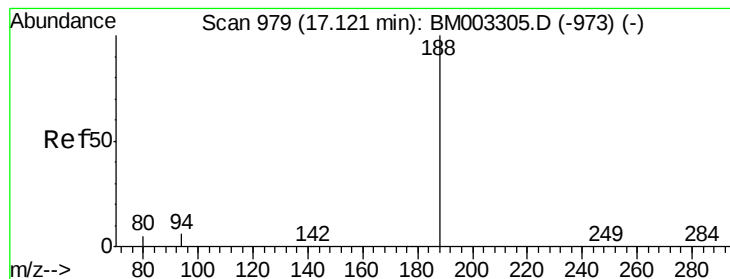


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.11 min Scan# 979

Delta R.T. -0.01 min

Lab File: BM003333.D

Acq: 30 Nov 2015 23:46

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL2015-01

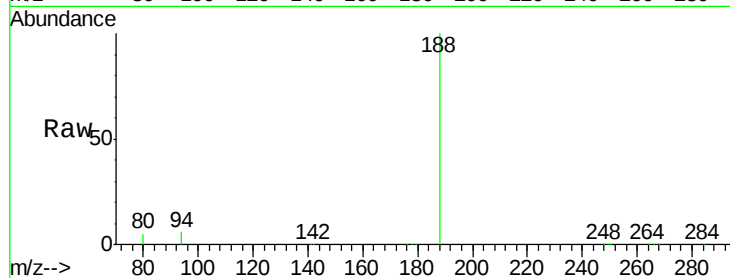
Tgt Ion:188 Resp: 330353

Ion Ratio Lower Upper

188 100

94 5.8 1.8 2.6#

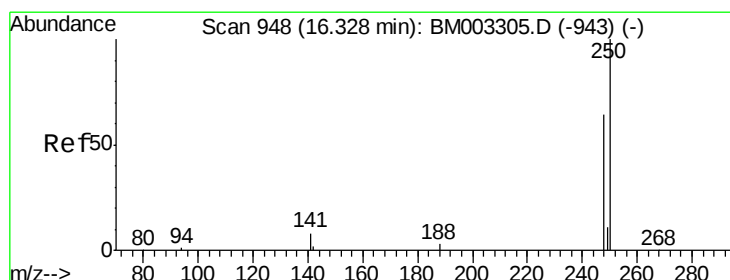
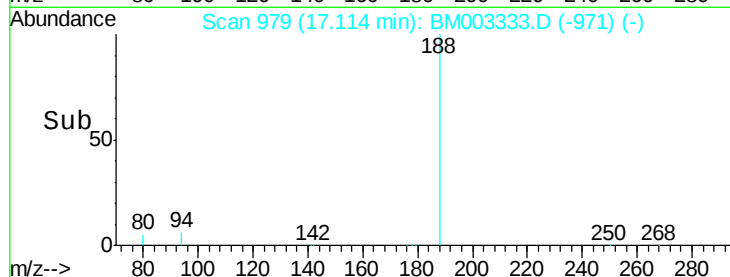
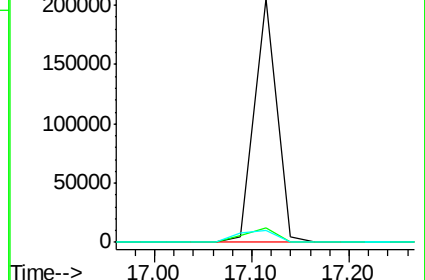
80 4.9 1.4 2.0#



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



#20

4-Bromophenyl-phenylether

Concen: 0.27 ng

RT: 16.32 min Scan# 948

Delta R.T. -0.01 min

Lab File: BM003333.D

Acq: 30 Nov 2015 23:46

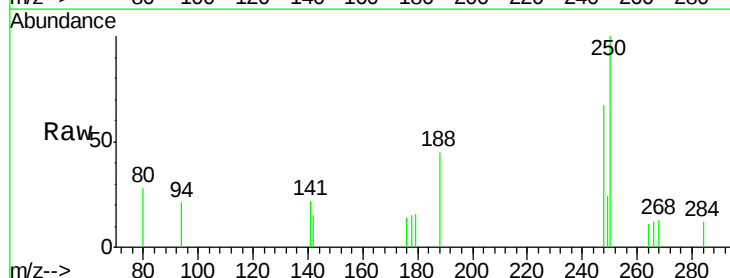
Tgt Ion:248 Resp: 750

Ion Ratio Lower Upper

248 100

250 100.8 65.4 98.0#

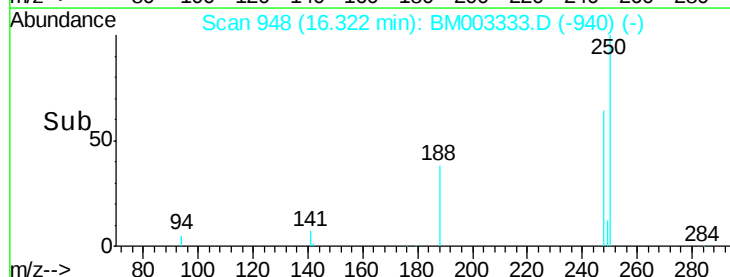
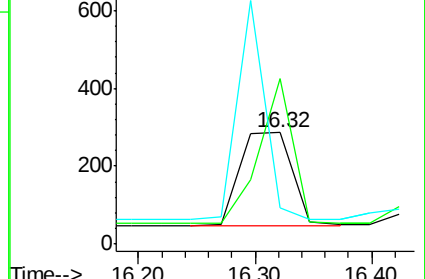
141 0.0 72.8 109.2#

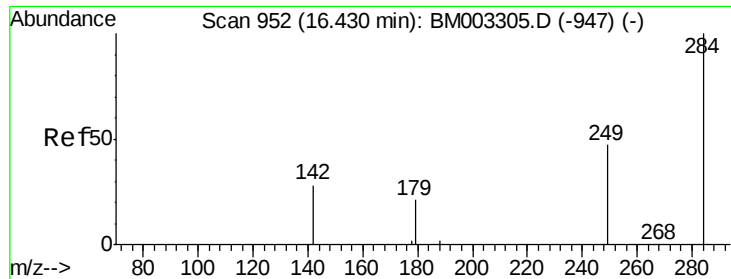


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

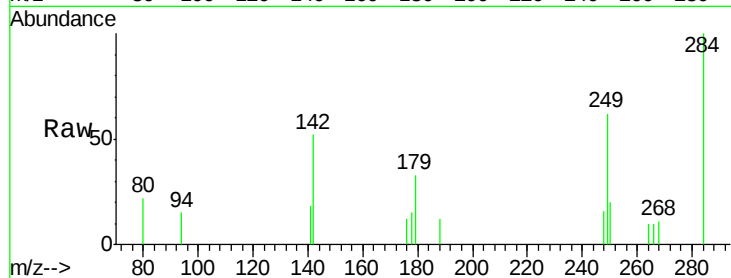




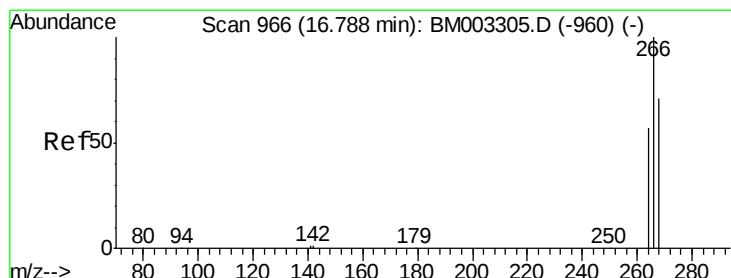
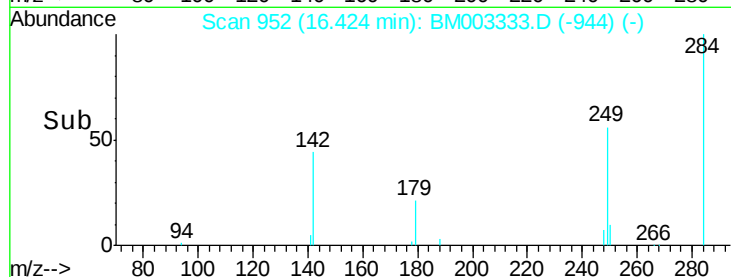
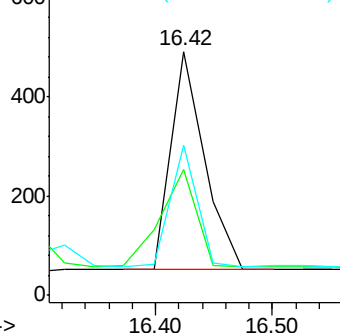
#21
Hexachlorobenzene
Concen: 0.08 ng
RT: 16.42 min Scan# 952
Delta R.T. -0.01 min
Lab File: BM003333.D
Acq: 30 Nov 2015 23:46

Instrument :
BNA_M
ClientSampleId :
LOD-SOIL2015-01

Tgt Ion:284 Resp: 896
Ion Ratio Lower Upper
284 100
142 46.5 0.0 0.0#
249 44.0 19.4 29.2#

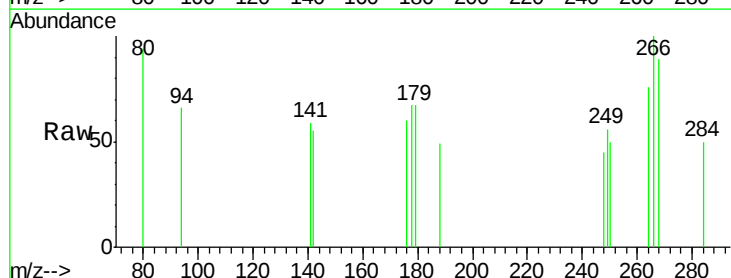


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

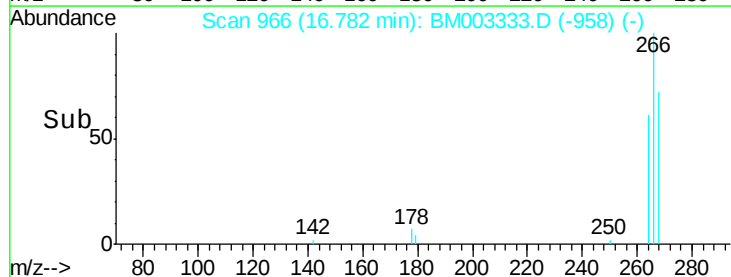
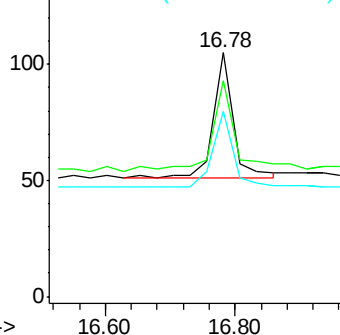


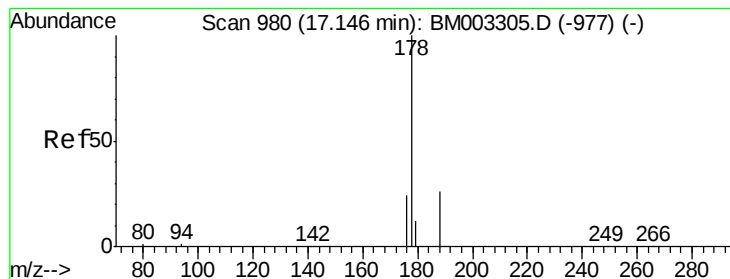
#22
Pentachlorophenol
Concen: 0.12 ng
RT: 16.78 min Scan# 966
Delta R.T. -0.01 min
Lab File: BM003333.D
Acq: 30 Nov 2015 23:46

Tgt Ion:266 Resp: 115
Ion Ratio Lower Upper
266 100
268 88.6 45.8 68.8#
264 76.2 56.7 85.1



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





#23

Phenanthrene

Concen: 0.16 ng

RT: 17.17 min Scan# 981

Delta R.T. 0.02 min

Lab File: BM003333.D

Acq: 30 Nov 2015 23:46

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL2015-01

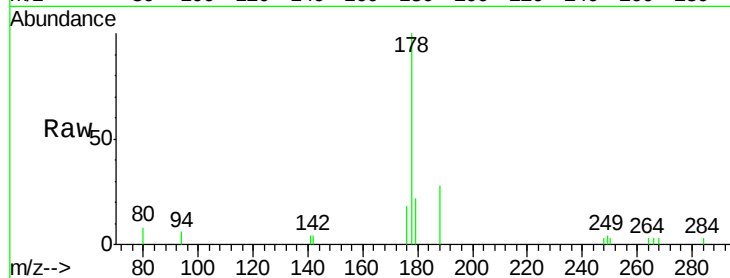
Tgt Ion:178 Resp: 4778

Ion Ratio Lower Upper

178 100

176 0.0 15.9 23.9#

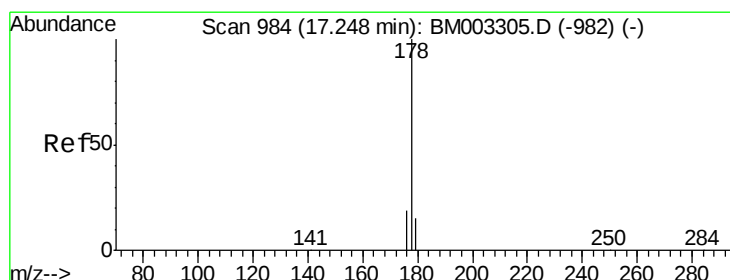
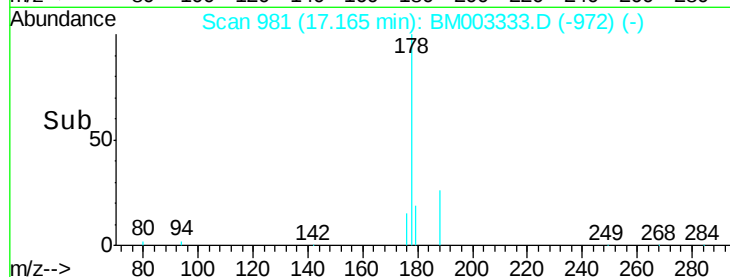
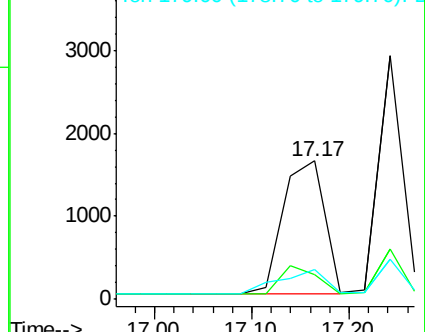
179 20.3 11.7 17.5#



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



#24

Anthracene

Concen: 0.08 ng

RT: 17.24 min Scan# 984

Delta R.T. -0.01 min

Lab File: BM003333.D

Acq: 30 Nov 2015 23:46

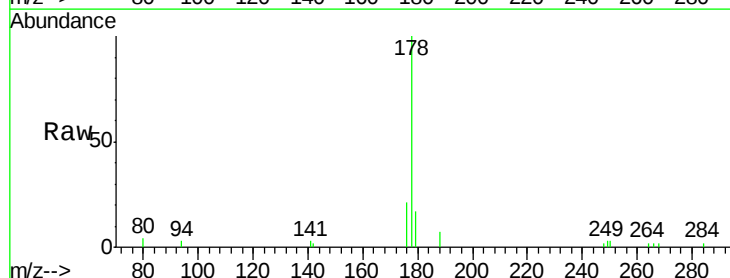
Tgt Ion:178 Resp: 4893

Ion Ratio Lower Upper

178 100

176 18.6 14.1 21.1

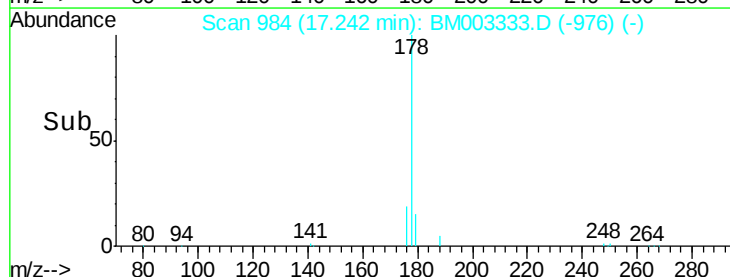
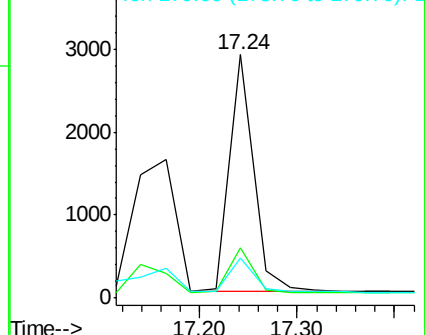
179 14.9 12.8 19.2

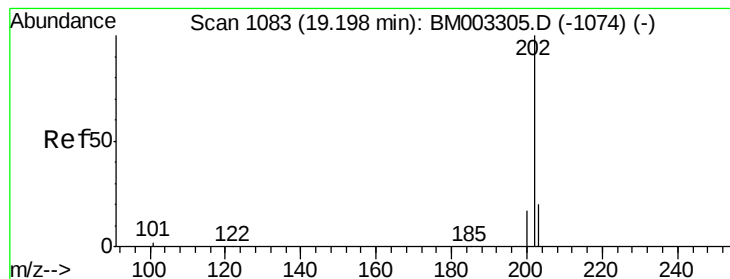


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene

Concen: 0.07 ng

RT: 19.19 min Scan# 1083

Delta R.T. -0.01 min

Lab File: BM003333.D

Acq: 30 Nov 2015 23:46

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL2015-01

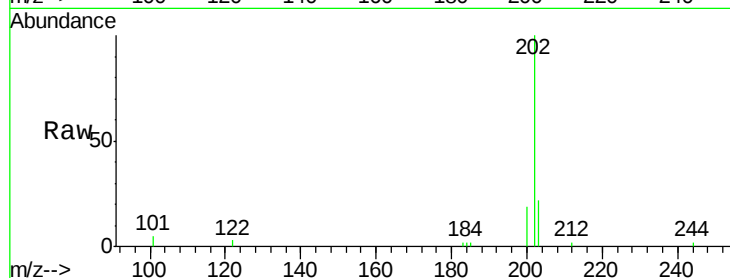
Tgt Ion:202 Resp: 4685

Ion Ratio Lower Upper

202 100

101 13.7 9.9 14.9

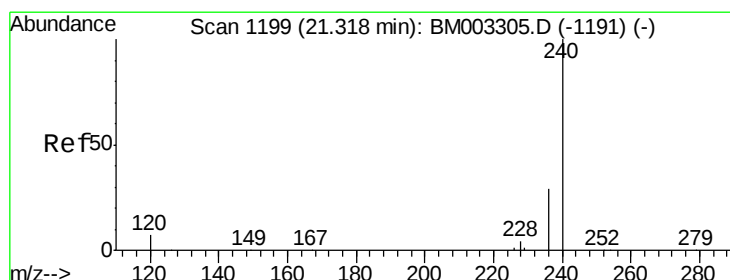
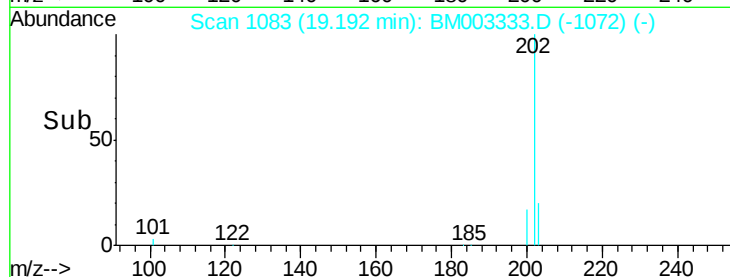
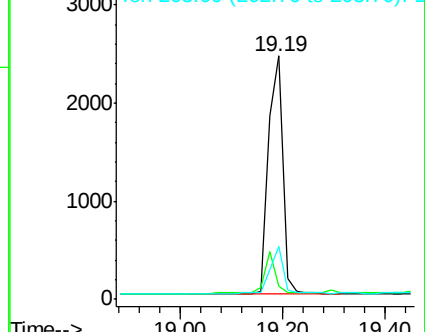
203 17.8 13.9 20.9



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



#26

Chrysene-d12

Concen: 5.00 ng

RT: 21.31 min Scan# 1199

Delta R.T. -0.01 min

Lab File: BM003333.D

Acq: 30 Nov 2015 23:46

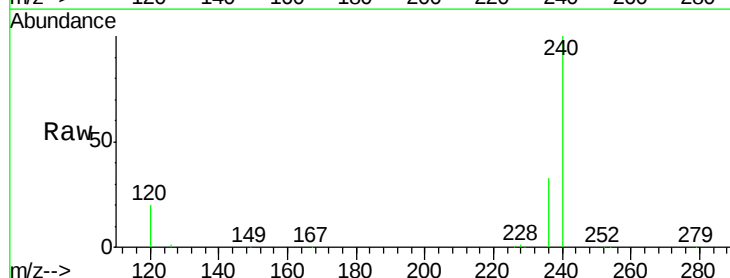
Tgt Ion:240 Resp: 184142

Ion Ratio Lower Upper

240 100

120 20.0 1.0 1.4#

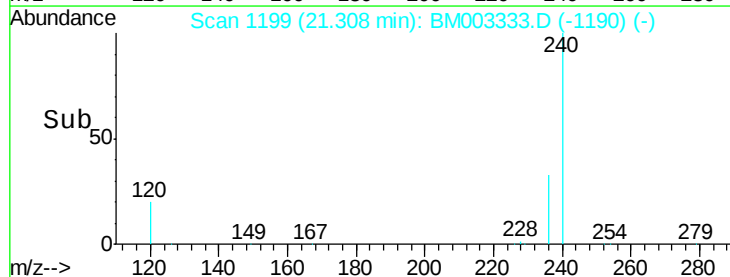
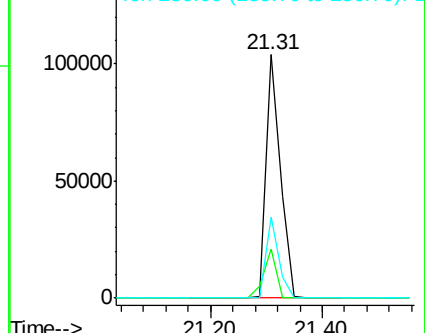
236 33.1 17.9 26.9#

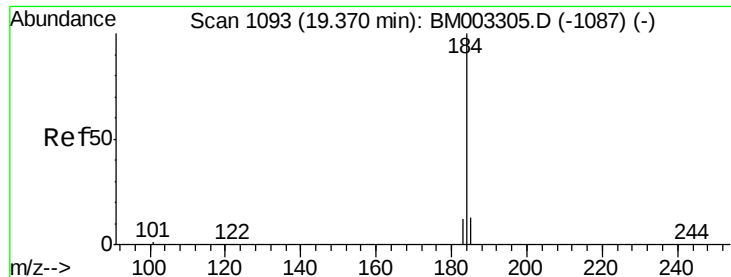


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

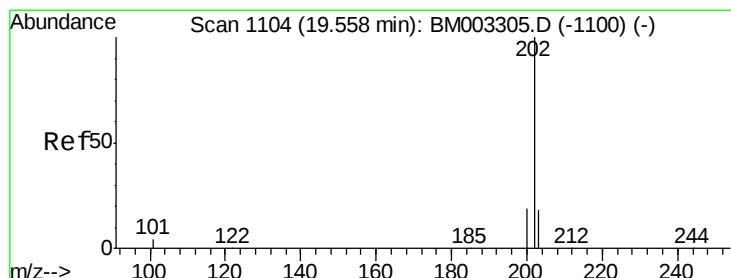
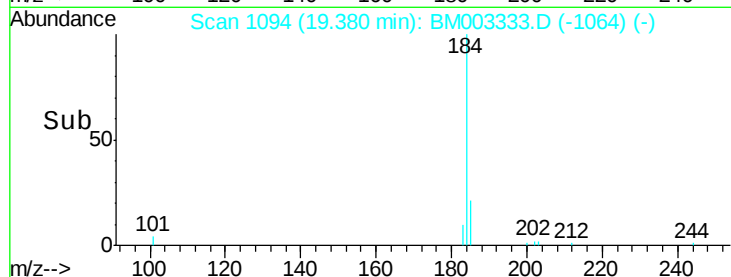
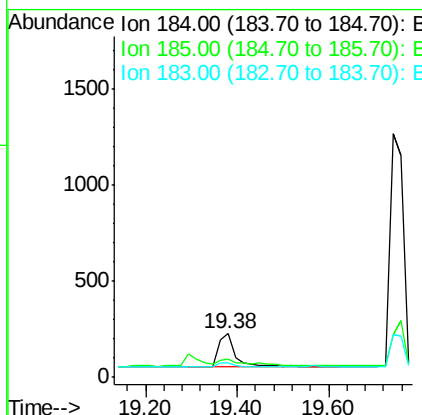
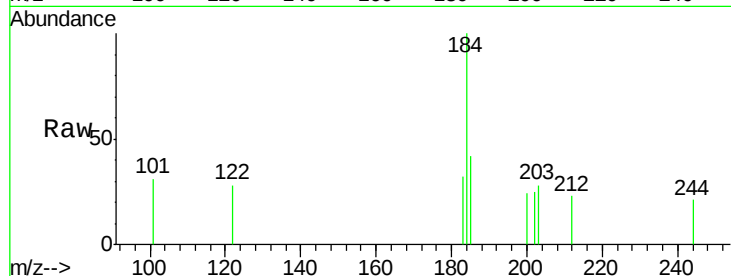




#27
Benzidine
Concen: 0.17 ng
RT: 19.38 min Scan# 1094
Delta R.T. 0.01 min
Lab File: BM003333.D
Acq: 30 Nov 2015 23:46

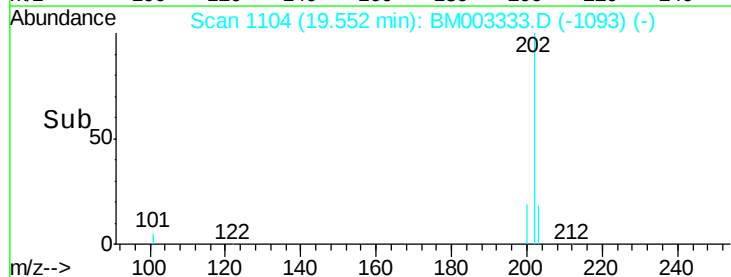
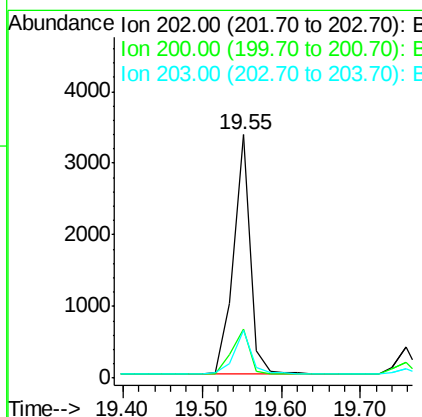
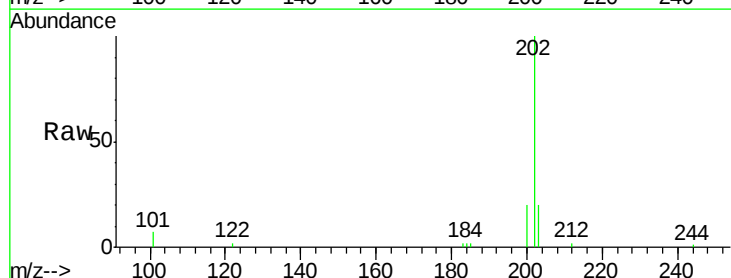
Instrument :
BNA_M
ClientSampleId :
LOD-SOIL2015-01

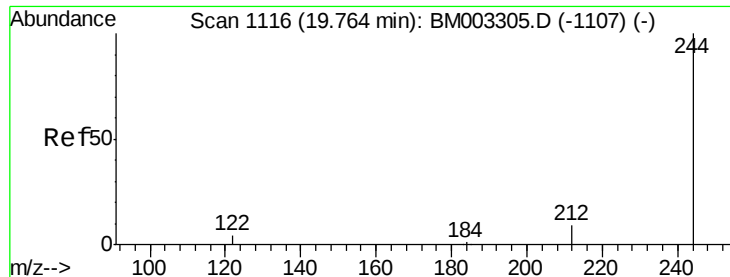
Tgt Ion:184 Resp: 490
Ion Ratio Lower Upper
184 100
185 41.8 11.6 17.4#
183 32.0 8.6 13.0#



#28
Pyrene
Concen: 0.09 ng
RT: 19.55 min Scan# 1104
Delta R.T. -0.01 min
Lab File: BM003333.D
Acq: 30 Nov 2015 23:46

Tgt Ion:202 Resp: 4907
Ion Ratio Lower Upper
202 100
200 20.6 16.7 25.1
203 18.2 13.8 20.6





#29

Terphenyl-d14

Concen: 4.51 ng

RT: 19.76 min Scan# 1116

Delta R.T. -0.01 min

Lab File: BM003333.D

Acq: 30 Nov 2015 23:46

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL2015-01

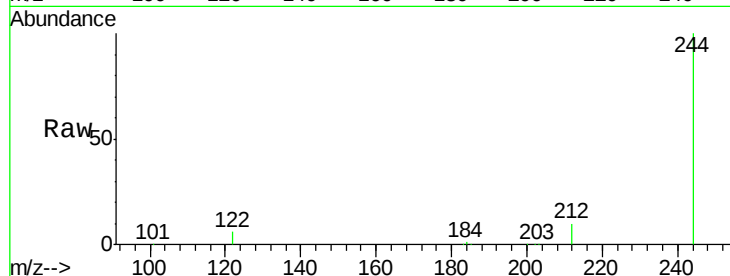
Tgt Ion:244 Resp: 115772

Ion Ratio Lower Upper

244 100

212 9.8 6.5 9.7#

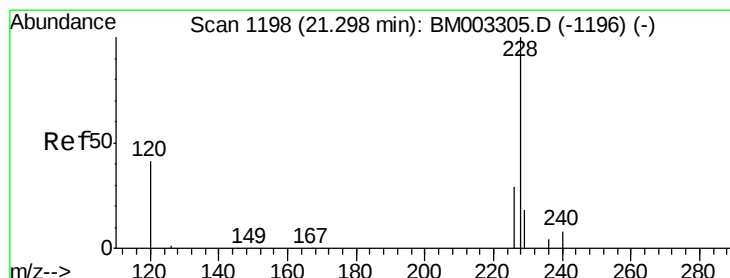
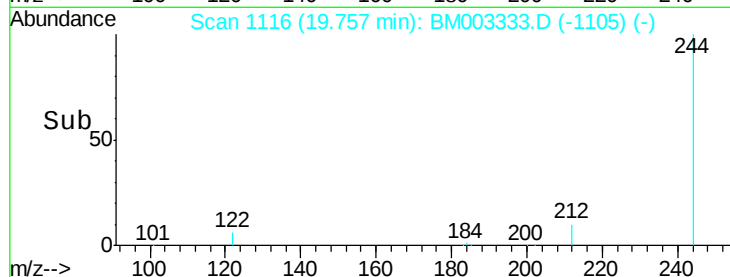
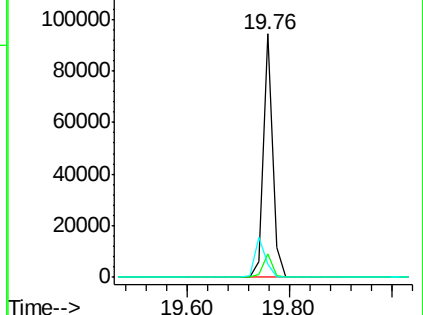
122 5.6 2.0 3.0#



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



#30

Benzo(a)anthracene

Concen: 0.10 ng

RT: 21.29 min Scan# 1198

Delta R.T. -0.01 min

Lab File: BM003333.D

Acq: 30 Nov 2015 23:46

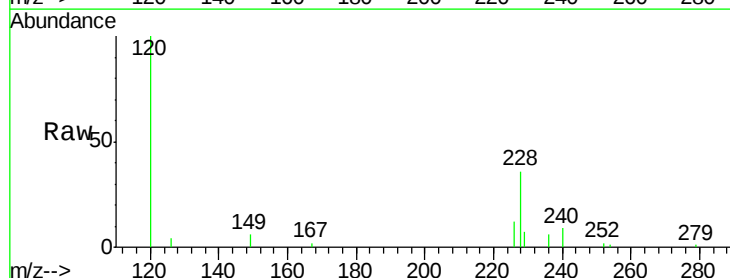
Tgt Ion:228 Resp: 4553

Ion Ratio Lower Upper

228 100

226 33.7 17.8 26.6#

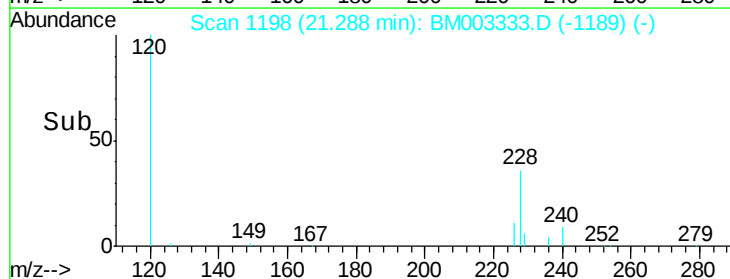
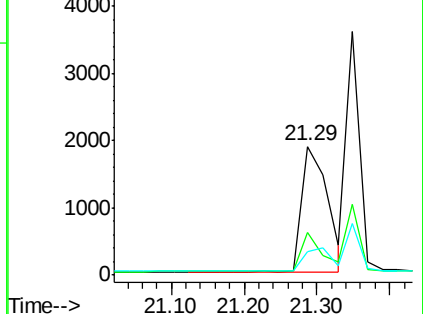
229 18.4 18.0 27.0

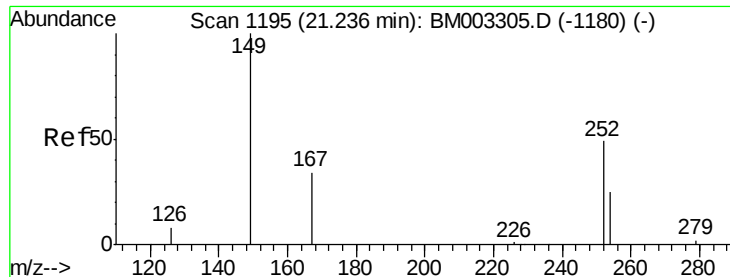


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

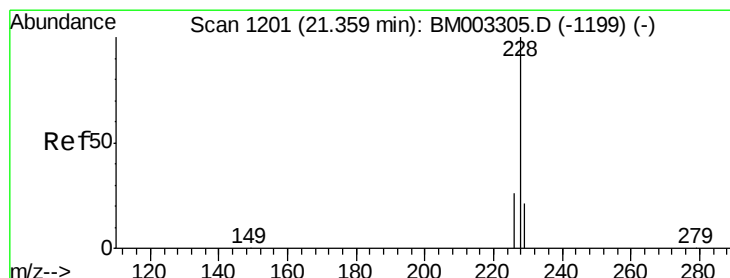
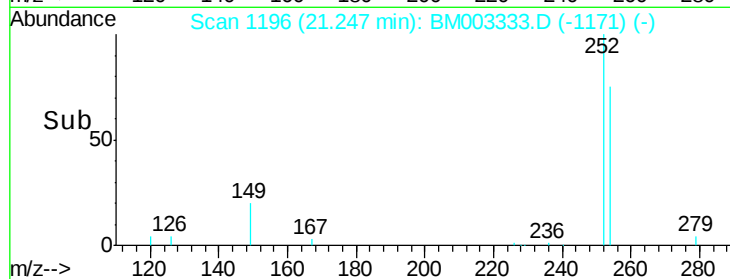
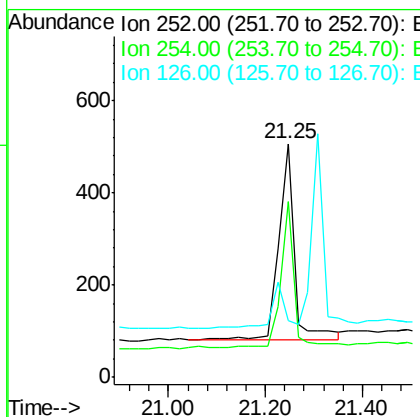
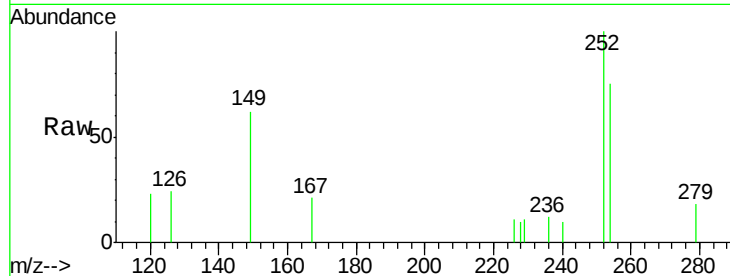




#31
 3,3'-Dichlorobenzidine
 Concen: 0.26 ng
 RT: 21.25 min Scan# 1196
 Delta R.T. 0.01 min
 Lab File: BM003333.D
 Acq: 30 Nov 2015 23:46

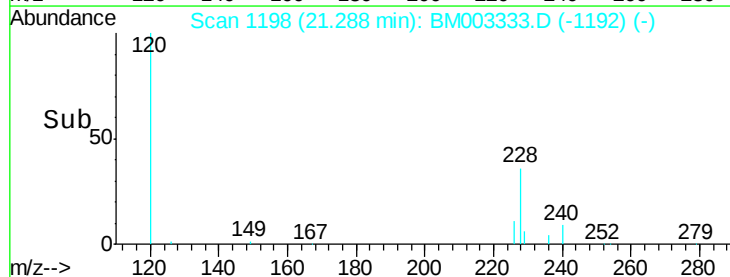
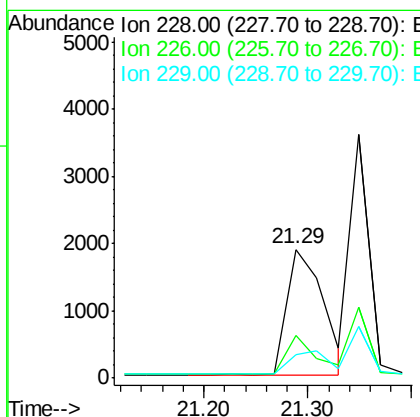
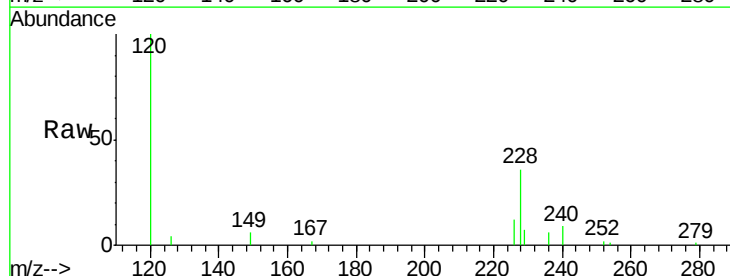
Instrument :
 BNA_M
 ClientSampleId :
 LOD-SOIL2015-01

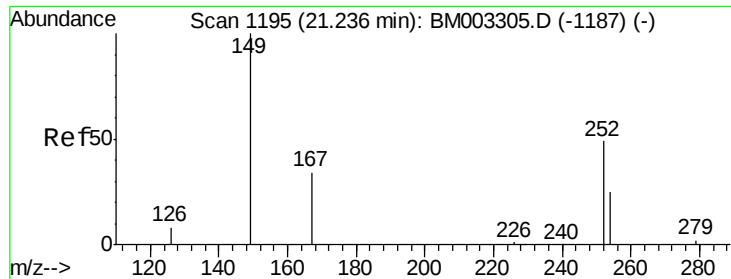
Tgt Ion: 252 Resp: 941
 Ion Ratio Lower Upper
 252 100
 254 75.5 53.7 80.5
 126 24.1 2.8 4.2#



#32
 Chrysene
 Concen: 0.09 ng
 RT: 21.29 min Scan# 1198
 Delta R.T. -0.07 min
 Lab File: BM003333.D
 Acq: 30 Nov 2015 23:46

Tgt Ion: 228 Resp: 4540
 Ion Ratio Lower Upper
 228 100
 226 33.7 25.5 38.3
 229 18.4 14.3 21.5





#33

Bis(2-ethylhexyl)phthalate

Concen: 0.14 ng

RT: 21.23 min Scan# 1195

Delta R.T. -0.01 min

Lab File: BM003333.D

Acq: 30 Nov 2015 23:46

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL2015-01

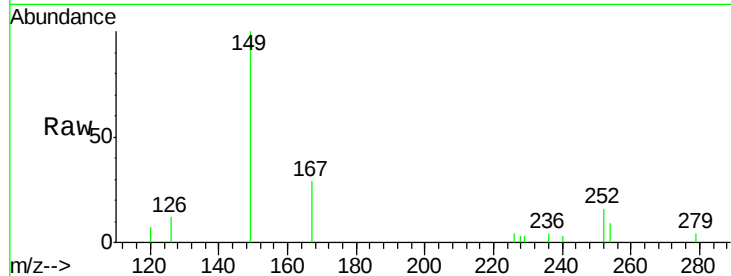
Tgt Ion:149 Resp: 2024

Ion Ratio Lower Upper

149 100

167 27.4 19.6 29.4

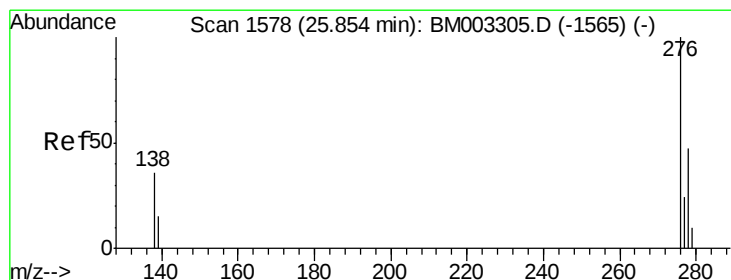
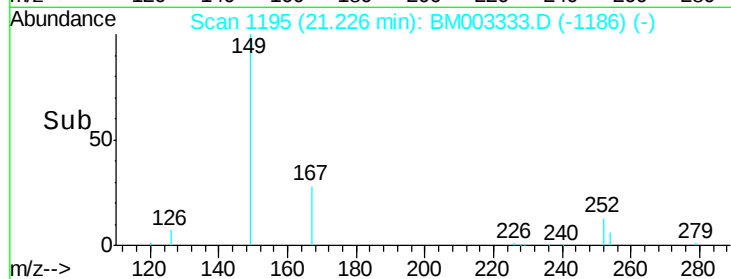
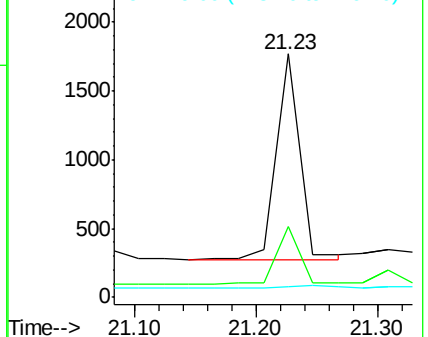
279 0.0 0.0 0.0



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



#34

Indeno(1,2,3-cd)pyrene

Concen: 0.09 ng

RT: 25.84 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BM003333.D

Acq: 30 Nov 2015 23:46

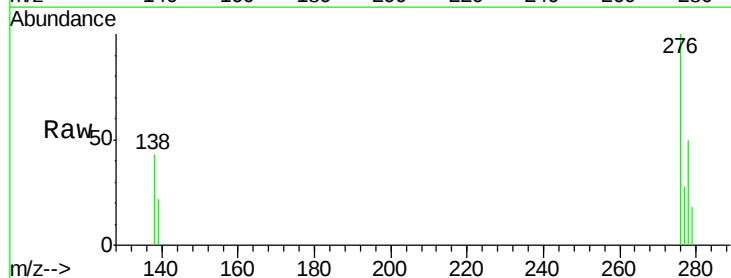
Tgt Ion:276 Resp: 3814

Ion Ratio Lower Upper

276 100

138 37.0 19.1 28.7#

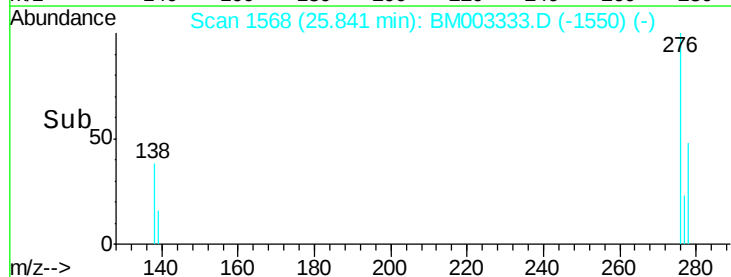
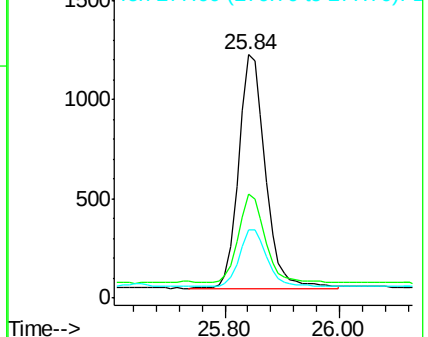
277 24.6 15.9 23.9#

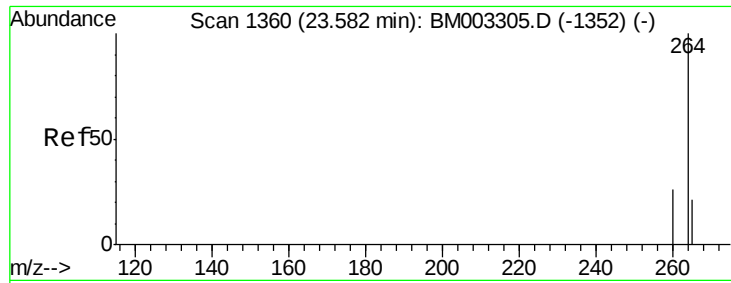


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

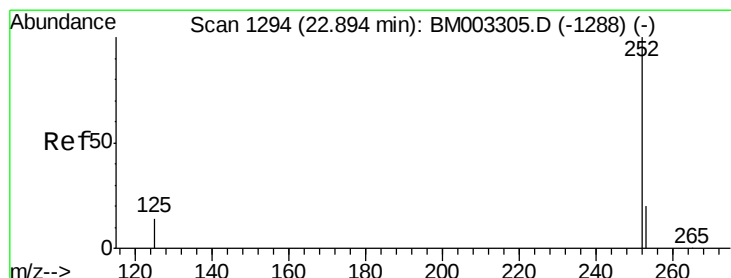
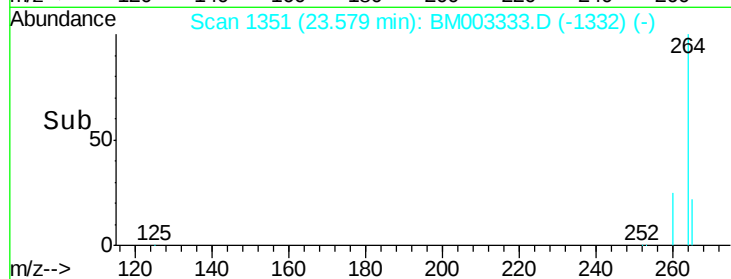
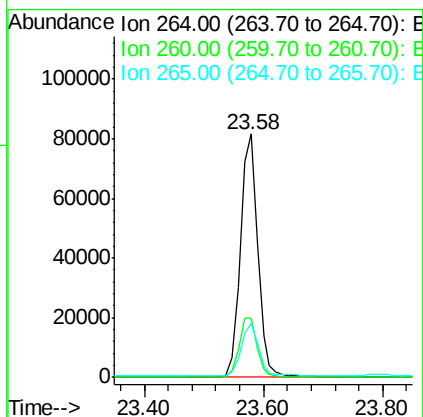
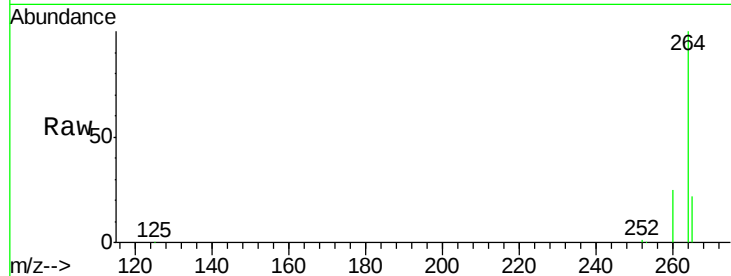




#35
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.58 min Scan# 1351
 Delta R.T. -0.00 min
 Lab File: BM003333.D
 Acq: 30 Nov 2015 23:46

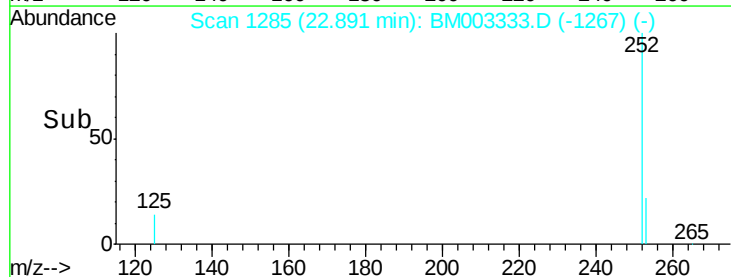
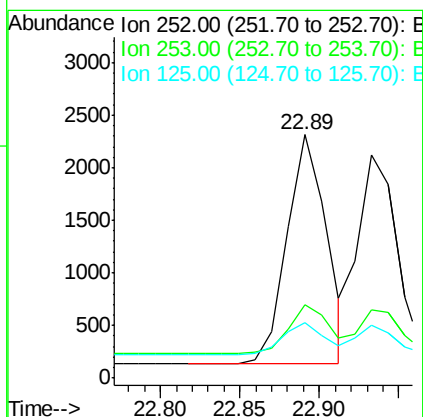
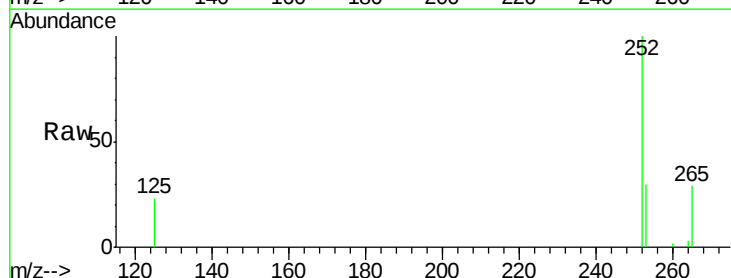
Instrument :
 BNA_M
 ClientSampleId :
 LOD-SOIL2015-01

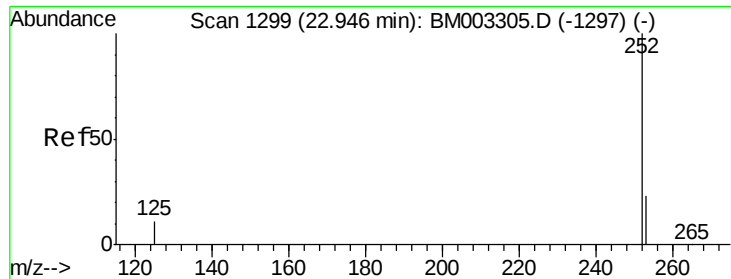
Tgt Ion: 264 Resp: 161509
 Ion Ratio Lower Upper
 264 100
 260 24.6 19.6 29.4
 265 22.3 18.4 27.6



#36
 Benzo(b)fluoranthene
 Concen: 0.08 ng
 RT: 22.89 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: BM003333.D
 Acq: 30 Nov 2015 23:46

Tgt Ion: 252 Resp: 3751
 Ion Ratio Lower Upper
 252 100
 253 30.3 18.2 27.4#
 125 22.9 10.3 15.5#





#37

Benzo(k)fluoranthene

Concen: 0.08 ng

RT: 22.93 min Scan# 1289

Delta R.T. -0.01 min

Lab File: BM003333.D

Acq: 30 Nov 2015 23:46

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL2015-01

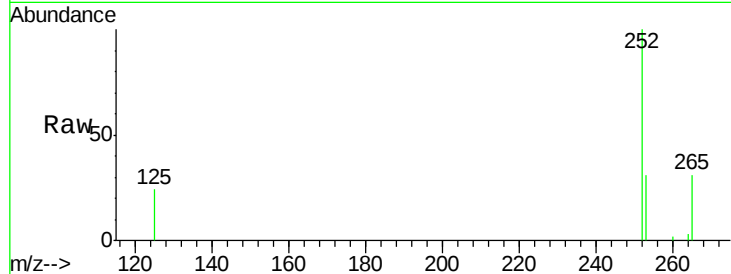
Tgt Ion:252 Resp: 3537

Ion Ratio Lower Upper

252 100

253 30.5 17.5 26.3#

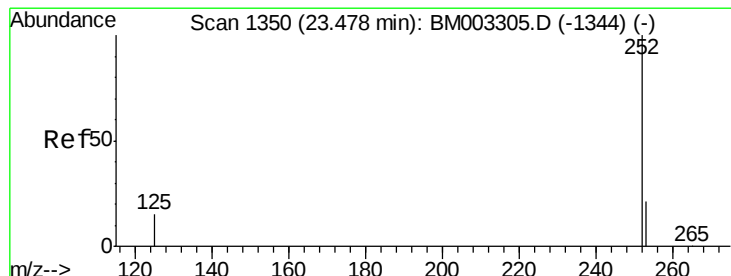
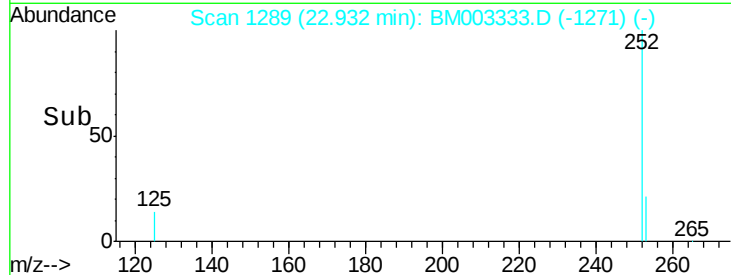
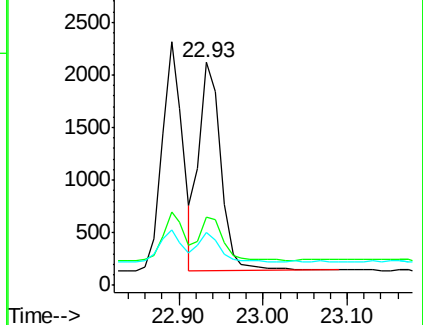
125 23.6 10.7 16.1#



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



#38

Benzo(a)pyrene

Concen: 0.08 ng

RT: 23.47 min Scan# 1341

Delta R.T. -0.00 min

Lab File: BM003333.D

Acq: 30 Nov 2015 23:46

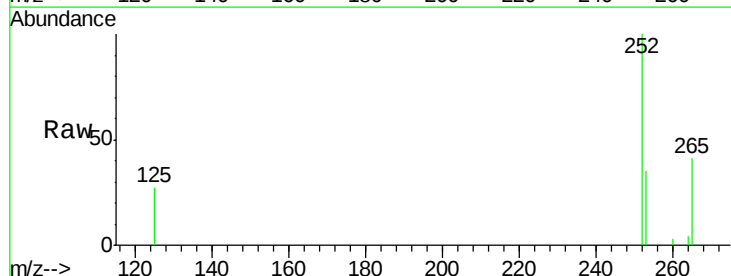
Tgt Ion:252 Resp: 3119

Ion Ratio Lower Upper

252 100

253 35.4 18.7 28.1#

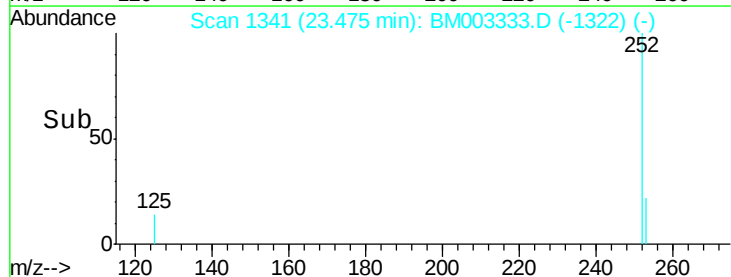
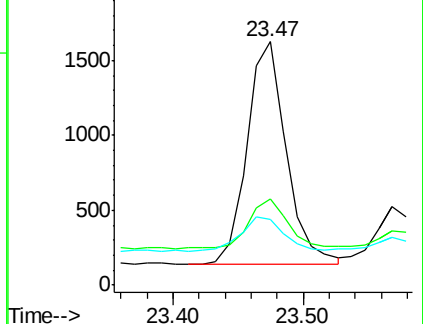
125 26.9 11.6 17.4#

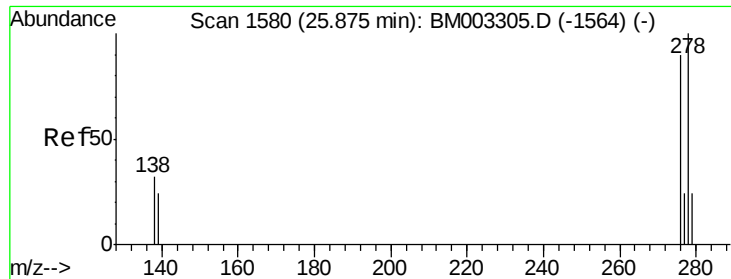


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#39

Dibenzo(a,h)anthracene

Concen: 0.10 ng

RT: 25.86 min Scan# 1570

Delta R.T. -0.01 min

Lab File: BM003333.D

Acq: 30 Nov 2015 23:46

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL2015-01

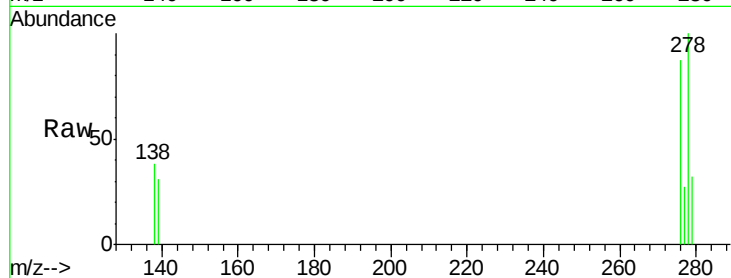
Tgt Ion: 278 Resp: 3055

Ion Ratio Lower Upper

278 100

139 31.0 18.2 27.4#

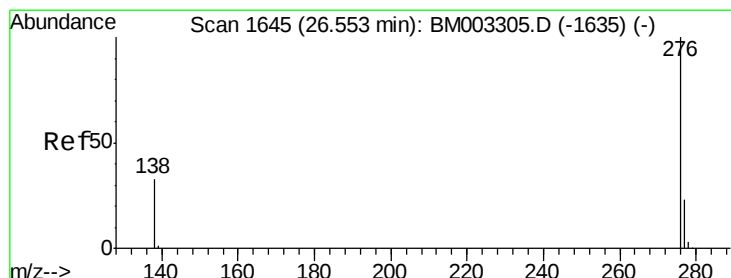
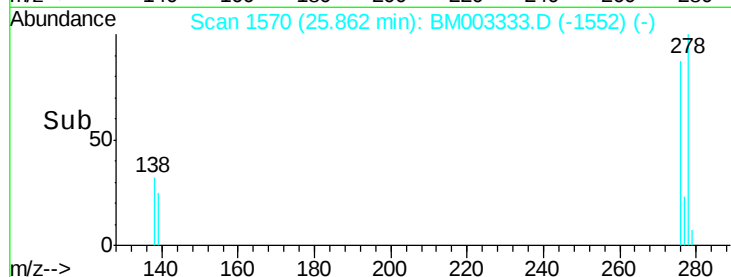
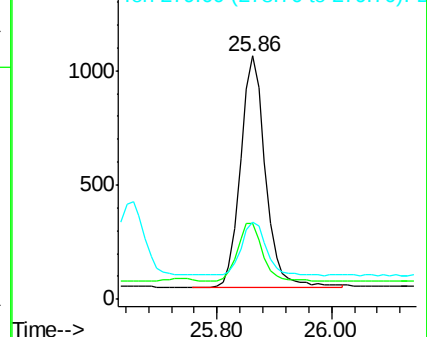
279 31.8 18.8 28.2#



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



#40

Benzo(g,h,i)perylene

Concen: 0.09 ng

RT: 26.54 min Scan# 1635

Delta R.T. -0.01 min

Lab File: BM003333.D

Acq: 30 Nov 2015 23:46

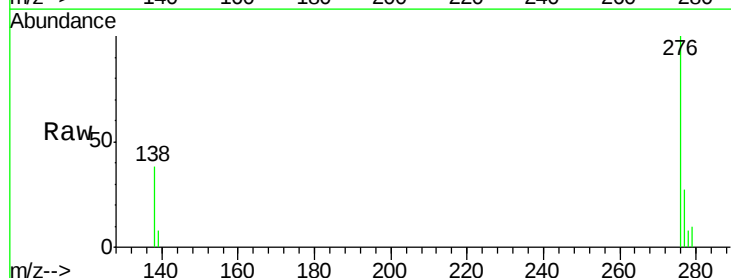
Tgt Ion: 276 Resp: 3433

Ion Ratio Lower Upper

276 100

277 26.8 19.0 28.6

138 38.5 22.3 33.5#



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

