

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM120215\
 Data File : BM003360.D
 Acq On : 02 Dec 2015 17:33
 Operator : UM/IZ
 Sample : G3707-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOD-SOIL2015-01

Quant Time: Dec 03 00:17:12 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BM120215.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 02 16:19:00 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	59000	5.00	ng	0.00
7) Naphthalene-d8	10.51	136	248462	5.00	ng	0.00
13) Acenaphthene-d10	14.38	164	124642	5.00	ng	0.00
19) Phenanthrene-d10	17.12	188	285378	5.00	ng	0.00
26) Chrysene-d12	21.32	240	206705	5.00	ng	-0.01
35) Perylene-d12	23.58	264	152453	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.31	112	82234	6.99	ng	0.00
5) Phenol-d6	6.88	99	103999	7.18	ng	0.00
8) Nitrobenzene-d5	8.88	82	39609	3.42	ng	0.00
14) 2,4,6-Tribromophenol	15.87	330	20357	6.33	ng	0.00
15) 2-Fluorobiphenyl	12.99	172	150958	4.02	ng	0.00
29) Terphenyl-d14	19.76	244	109280	3.26	ng	0.00

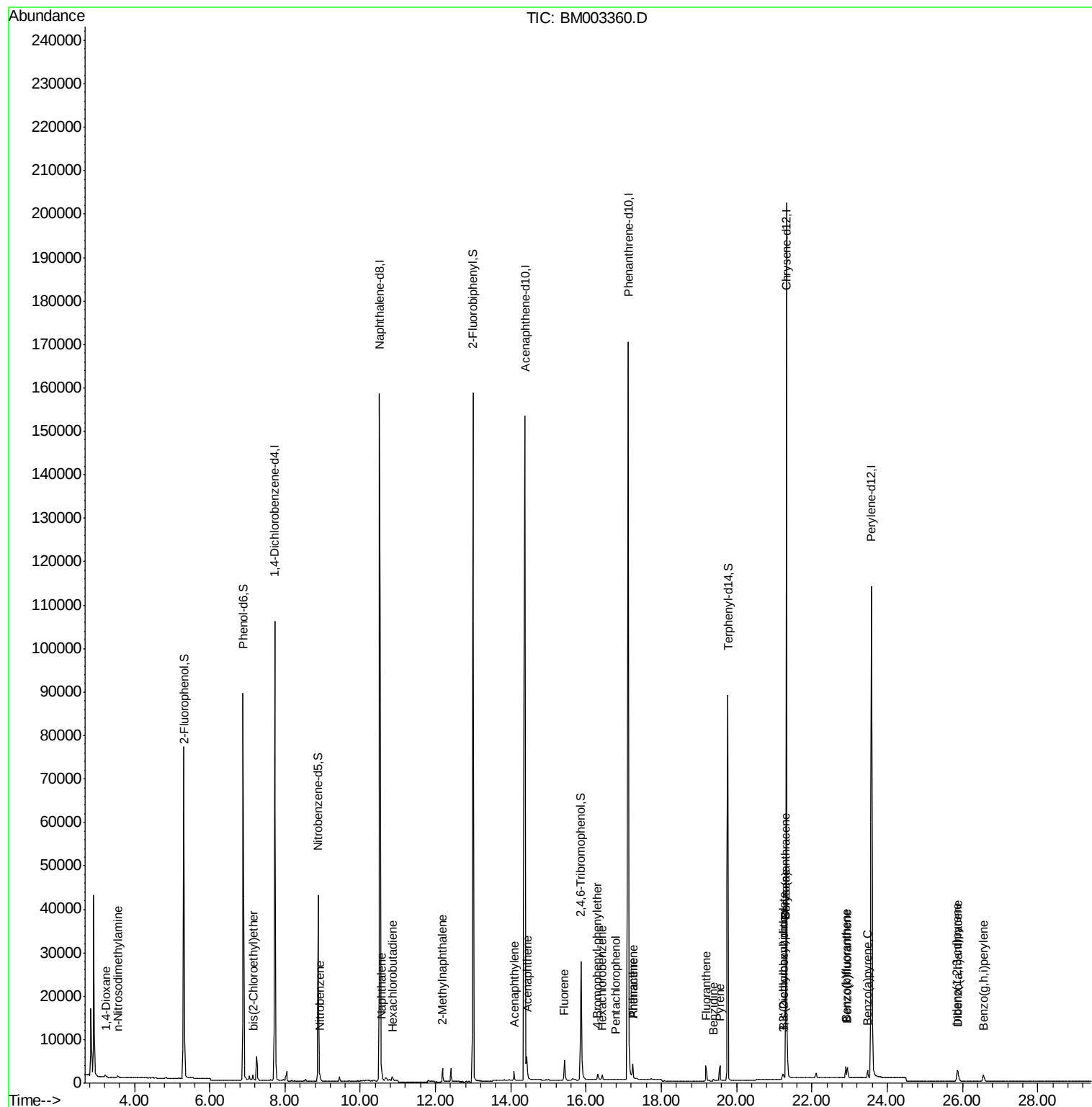
Target Compounds						Qvalue
2) 1,4-Dioxane	3.23	88	588	0.11	ng	# 76
3) n-Nitrosodimethylamine	3.55	42	359	0.07	ng	99
6) bis(2-Chloroethyl)ether	7.16	93	1047	0.07	ng	97
9) Nitrobenzene	8.93	77	1070	0.09	ng	# 93
10) Naphthalene	10.56	128	4275	0.08	ng	96
11) Hexachlorobutadiene	10.85	225	1157	0.14	ng	# 64
12) 2-Methylnaphthalene	12.19	142	2671	0.07	ng	93
16) Acenaphthylene	14.09	152	3120	0.06	ng	98
17) Acenaphthene	14.42	154	3187	0.10	ng	# 100
18) Fluorene	15.42	166	3203	0.09	ng	99
20) 4-Bromophenyl-phenylether	16.30	248	799	0.10	ng	92
21) Hexachlorobenzene	16.43	284	1041	0.08	ng	# 85
22) Pentachlorophenol	16.79	266	140	0.36	ng	# 80
23) Phenanthrene	17.25	178	4093	0.07	ng	97
24) Anthracene	17.25	178	4341	0.07	ng	99
25) Fluoranthene	19.18	202	4520	0.08	ng	100
27) Benzidine	19.39	184	849	0.40	ng	# 67
28) Pyrene	19.56	202	4631	0.06	ng	99
30) Benzo(a)anthracene	21.30	228	8443	0.15	ng	# 90
31) 3,3'-Dichlorobenzidine	21.26	252	793	0.14	ng	# 83
32) Chrysene	21.30	228	8485	0.13	ng	95
33) Bis(2-ethylhexyl)phthalate	21.24	149	1284	0.28	ng	# 97
34) Indeno(1,2,3-cd)pyrene	25.86	276	3394	0.07	ng	# 80
36) Benzo(b)fluoranthene	22.90	252	3573	0.08	ng	# 82
37) Benzo(k)fluoranthene	22.94	252	3179	0.08	ng	# 78
38) Benzo(a)pyrene	23.47	252	2782	0.07	ng	# 73
39) Dibenzo(a,h)anthracene	25.88	278	2773	0.08	ng	# 84
40) Benzo(g,h,i)perylene	26.56	276	3113	0.09	ng	# 87

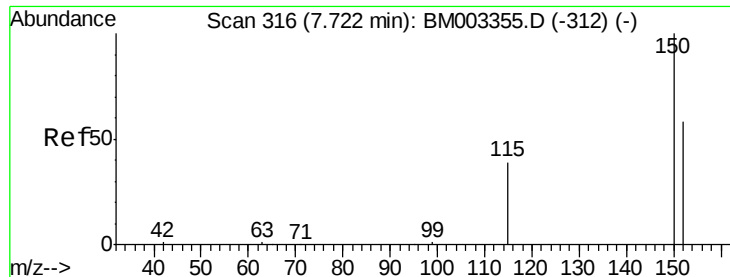
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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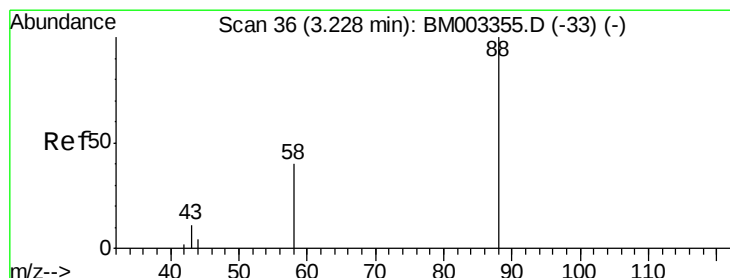
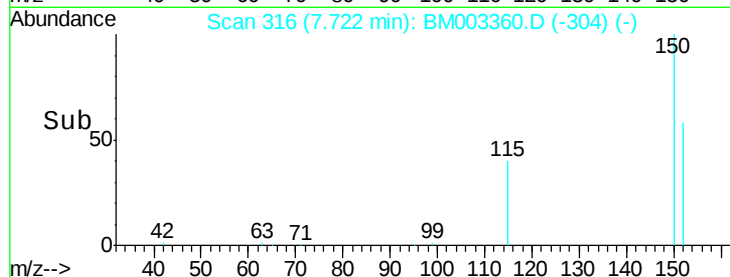
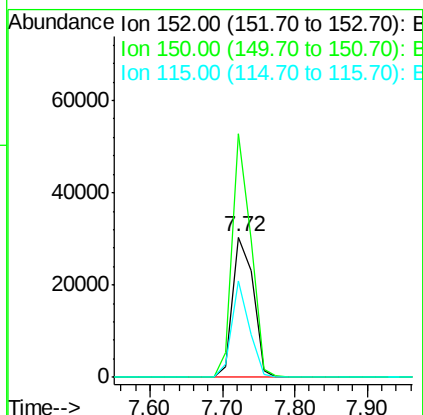
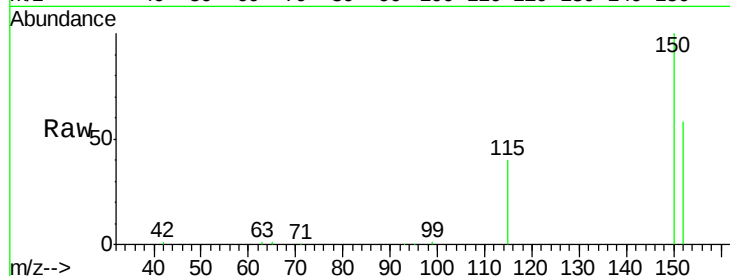




#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 7.72 min Scan# 316
 Delta R.T. 0.00 min
 Lab File: BM003360.D
 Acq: 02 Dec 2015 17:33

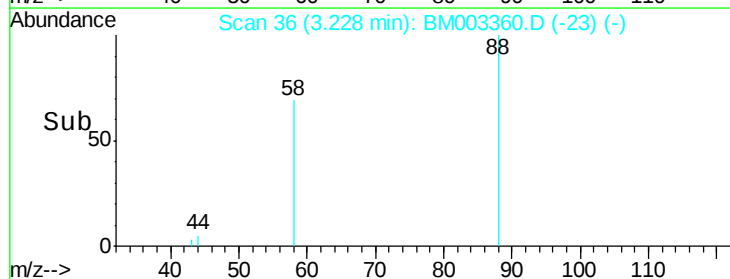
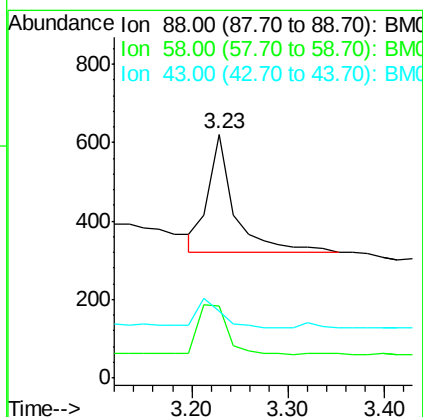
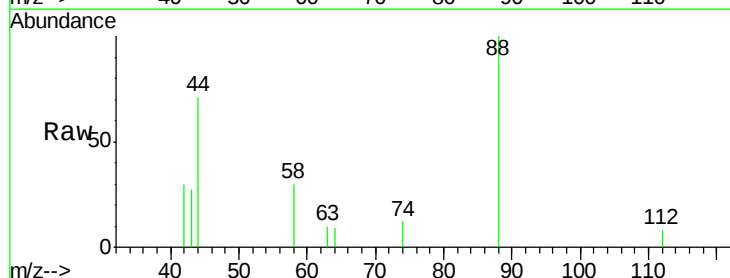
Instrument :
 BNA_M
 ClientSampleId :
 LOD-SOIL2015-01

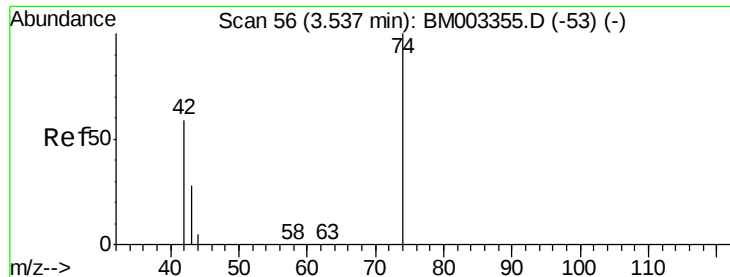
Tgt Ion: 152 Resp: 59000
 Ion Ratio Lower Upper
 152 100
 150 173.6 143.6 215.4
 115 68.8 58.5 87.7



#2
 1,4-Dioxane
 Concen: 0.11 ng
 RT: 3.23 min Scan# 36
 Delta R.T. 0.00 min
 Lab File: BM003360.D
 Acq: 02 Dec 2015 17:33

Tgt Ion: 88 Resp: 588
 Ion Ratio Lower Upper
 88 100
 58 45.2 55.2 82.8#
 43 22.3 21.8 32.6





#3

n-Nitrosodimethylamine

Concen: 0.07 ng

RT: 3.55 min Scan# 57

Delta R.T. 0.02 min

Lab File: BM003360.D

Acq: 02 Dec 2015 17:33

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL2015-01

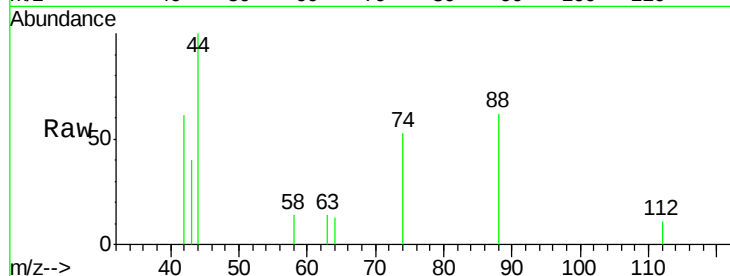
Tgt Ion: 42 Resp: 359

Ion Ratio Lower Upper

42 100

74 127.6 101.0 151.4

44 9.5 6.3 9.5

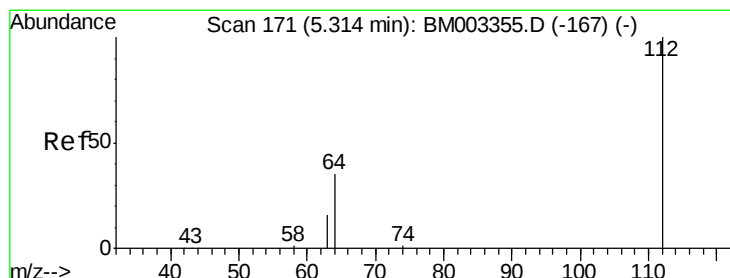
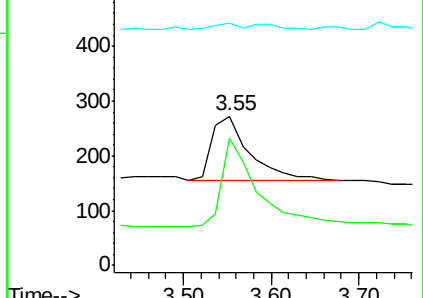
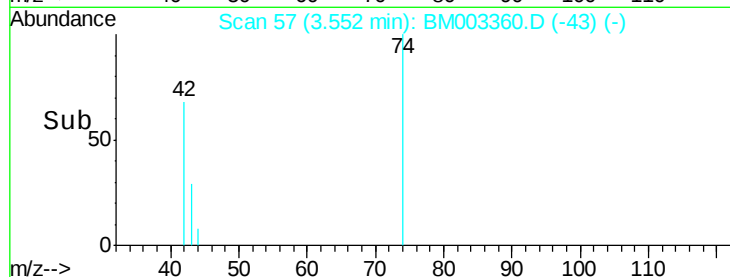


Abundance Ion 42.00 (41.70 to 42.70): BM003355.D (-53) (-)

Ion 74.00 (73.70 to 74.70): BM003355.D (-53) (-)

Ion 44.00 (43.70 to 44.70): BM003355.D (-53) (-)

Time-->



#4

2-Fluorophenol

Concen: 6.99 ng

RT: 5.31 min Scan# 171

Delta R.T. 0.00 min

Lab File: BM003360.D

Acq: 02 Dec 2015 17:33

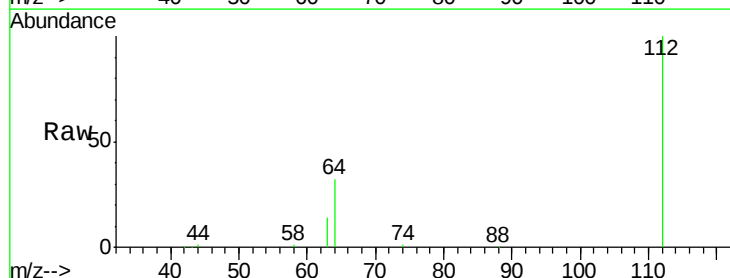
Tgt Ion: 112 Resp: 82234

Ion Ratio Lower Upper

112 100

64 51.2 41.2 61.8

63 26.6 21.2 31.8

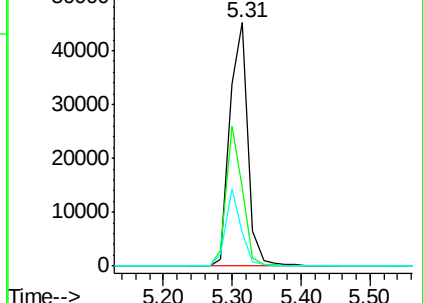
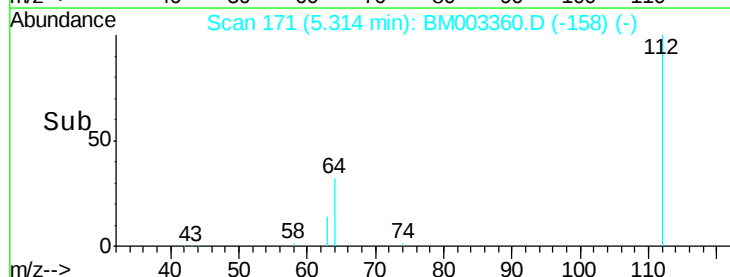


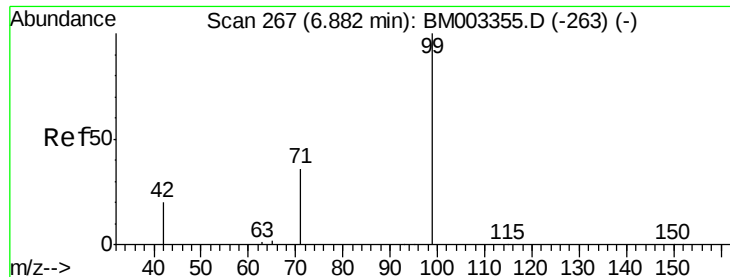
Abundance Ion 112.00 (111.70 to 112.70): BM003355.D (-167) (-)

Ion 64.00 (63.70 to 64.70): BM003355.D (-167) (-)

Ion 63.00 (62.70 to 63.70): BM003355.D (-167) (-)

Time-->





#5

Phenol-d6

Concen: 7.18 ng

RT: 6.88 min Scan# 267

Delta R.T. 0.00 min

Lab File: BM003360.D

Acq: 02 Dec 2015 17:33

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL2015-01

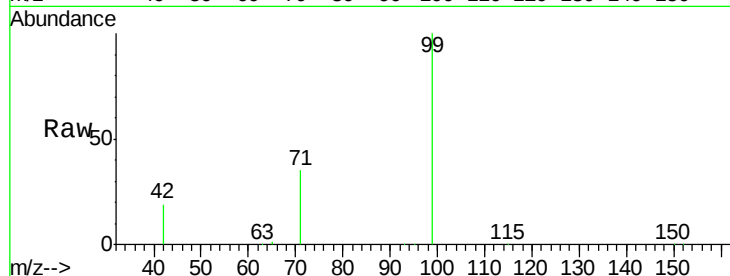
Tgt Ion: 99 Resp: 103999

Ion Ratio Lower Upper

99 100

42 17.5 14.6 22.0

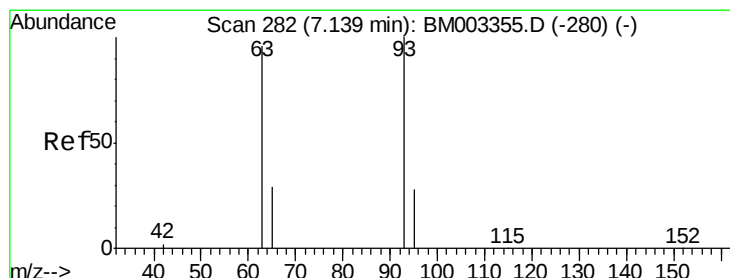
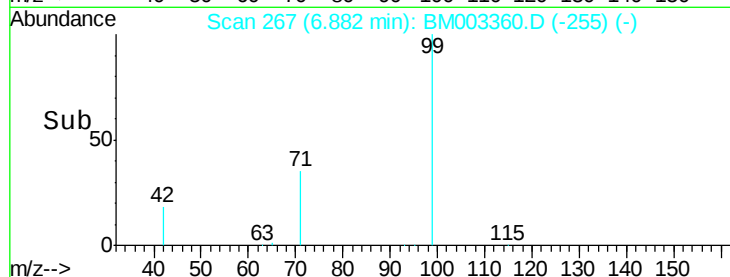
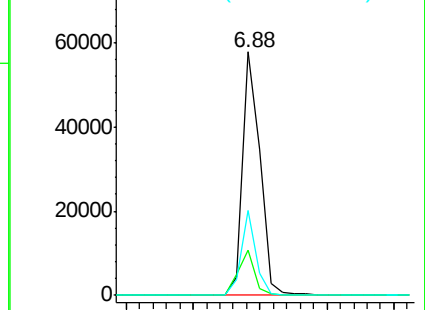
71 29.6 23.3 34.9



Abundance Ion 99.00 (98.70 to 99.70): BM003360.D (-255) (-)

Ion 42.00 (41.70 to 42.70): BM003360.D (-255) (-)

Ion 71.00 (70.70 to 71.70): BM003360.D (-255) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.07 ng

RT: 7.16 min Scan# 283

Delta R.T. 0.02 min

Lab File: BM003360.D

Acq: 02 Dec 2015 17:33

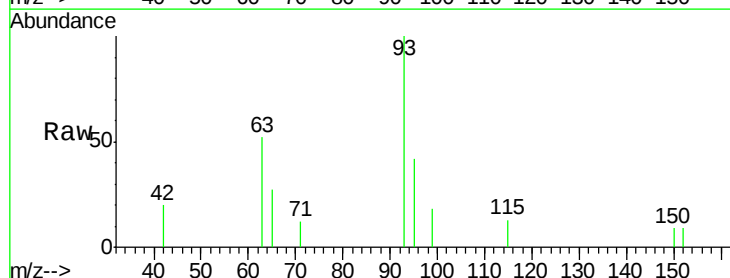
Tgt Ion: 93 Resp: 1047

Ion Ratio Lower Upper

93 100

63 75.1 58.2 87.4

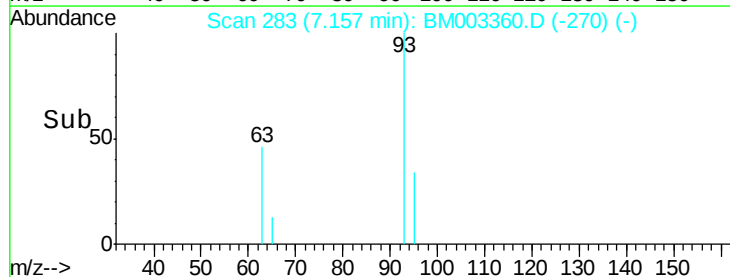
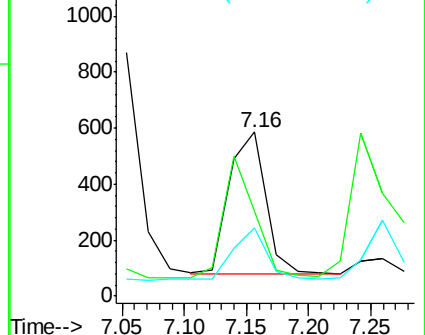
95 34.5 26.2 39.4

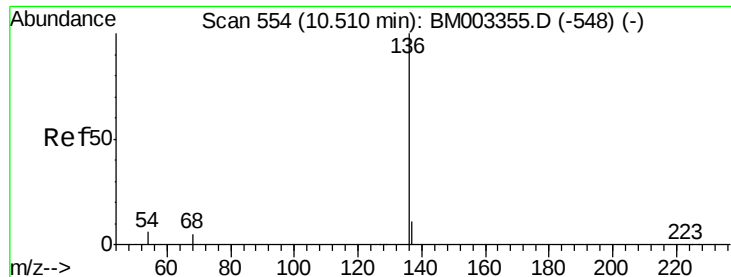


Abundance Ion 93.00 (92.70 to 93.70): BM003360.D (-270) (-)

Ion 63.00 (62.70 to 63.70): BM003360.D (-270) (-)

Ion 95.00 (94.70 to 95.70): BM003360.D (-270) (-)





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.51 min Scan# 553

Delta R.T. -0.00 min

Lab File: BM003360.D

Acq: 02 Dec 2015 17:33

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL2015-01

Tgt Ion:136 Resp: 248462

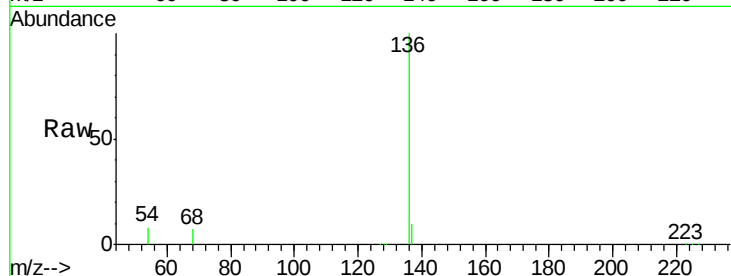
Ion Ratio Lower Upper

136 100

137 10.1 8.0 12.0

54 8.4 7.4 11.0

68 6.6 5.8 8.6

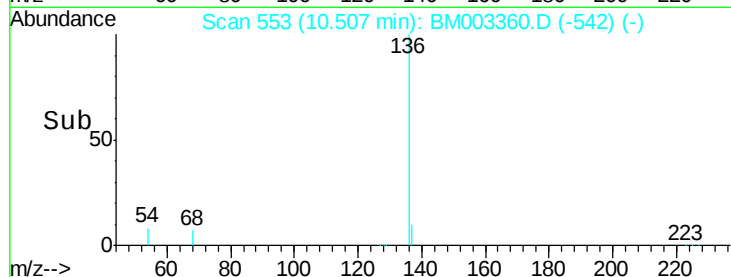


Abundance Ion 136.00 (135.70 to 136.70): E

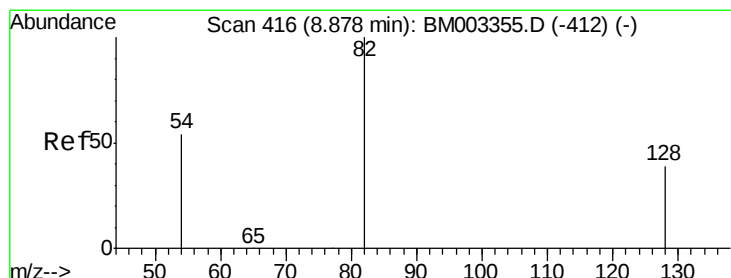
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM

Ion 68.00 (67.70 to 68.70): BM



Time-->



#8

Nitrobenzene-d5

Concen: 3.42 ng

RT: 8.88 min Scan# 416

Delta R.T. 0.01 min

Lab File: BM003360.D

Acq: 02 Dec 2015 17:33

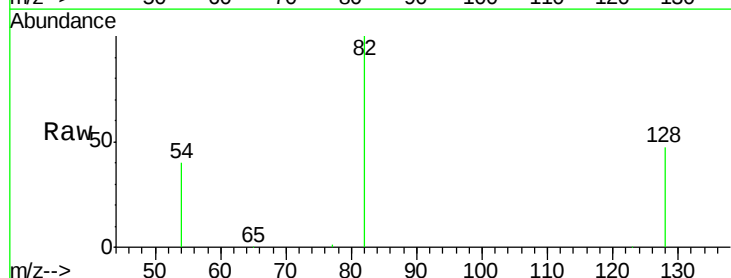
Tgt Ion: 82 Resp: 39609

Ion Ratio Lower Upper

82 100

128 47.3 35.2 52.8

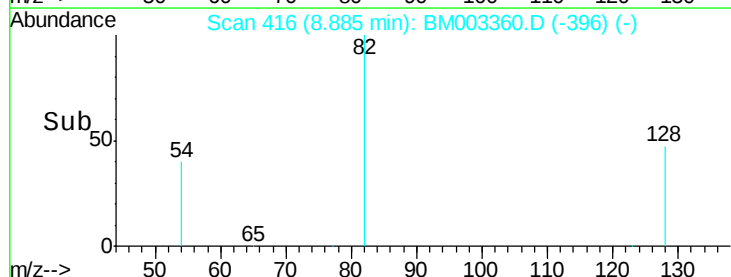
54 40.3 36.4 54.6



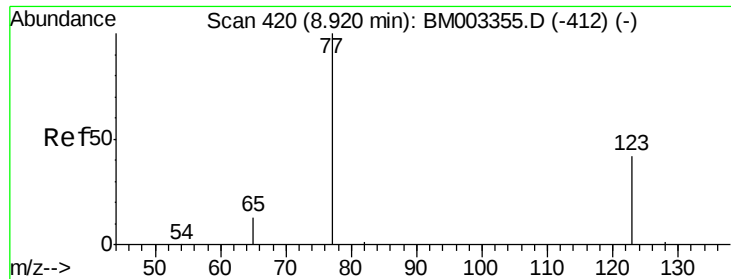
Abundance Ion 82.00 (81.70 to 82.70): BM

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM



Time-->



#9

Nitrobenzene

Concen: 0.09 ng

RT: 8.93 min Scan# 420

Delta R.T. 0.01 min

Lab File: BM003360.D

Acq: 02 Dec 2015 17:33

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL2015-01

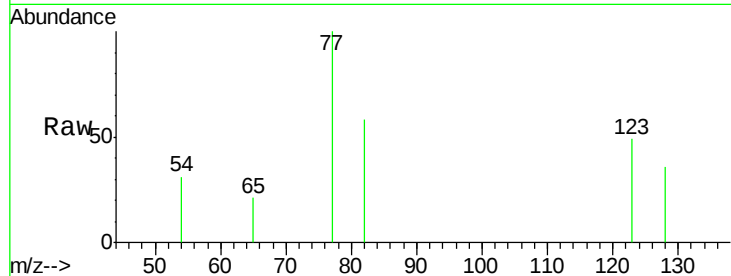
Tgt Ion: 77 Resp: 1070

Ion Ratio Lower Upper

77 100

123 42.6 37.7 56.5

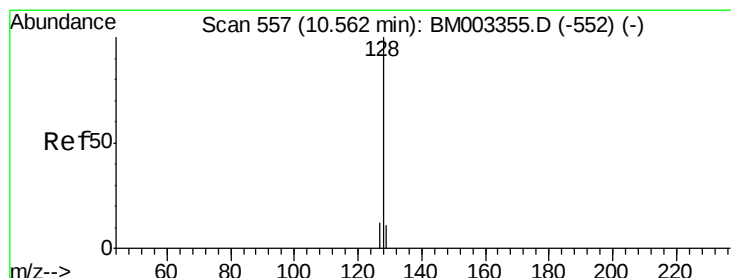
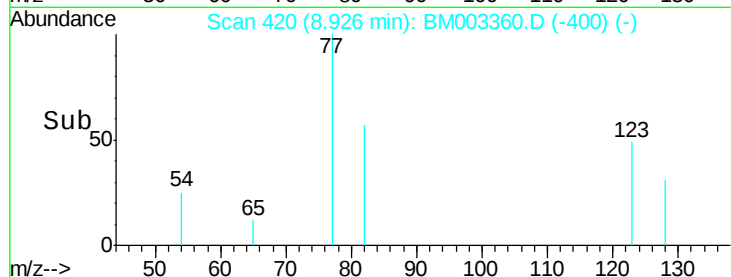
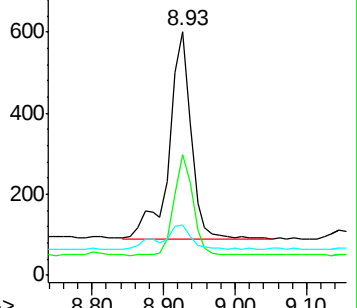
65 16.2 9.8 14.6#



Abundance Ion 77.00 (76.70 to 77.70): BM003355.D (-412) (-)

Ion 123.00 (122.70 to 123.70): BM003355.D (-412) (-)

Ion 65.00 (64.70 to 65.70): BM003355.D (-412) (-)



#10

Naphthalene

Concen: 0.08 ng

RT: 10.56 min Scan# 556

Delta R.T. -0.00 min

Lab File: BM003360.D

Acq: 02 Dec 2015 17:33

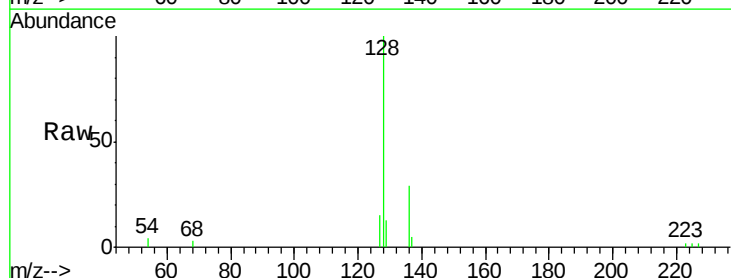
Tgt Ion: 128 Resp: 4275

Ion Ratio Lower Upper

128 100

129 12.7 8.5 12.7

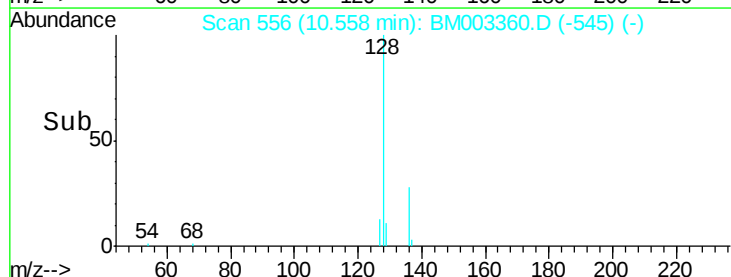
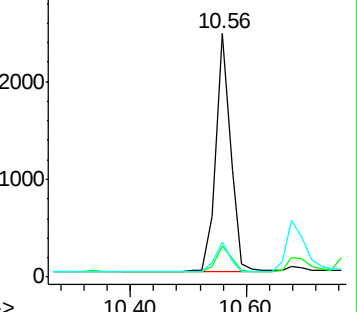
127 14.6 10.6 16.0

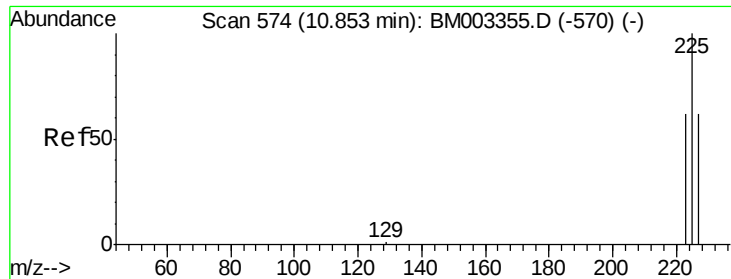


Abundance Ion 128.00 (127.70 to 128.70): BM003355.D (-552) (-)

Ion 129.00 (128.70 to 129.70): BM003355.D (-552) (-)

Ion 127.00 (126.70 to 127.70): BM003355.D (-552) (-)

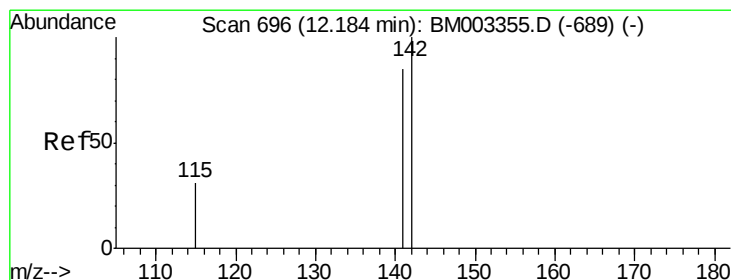
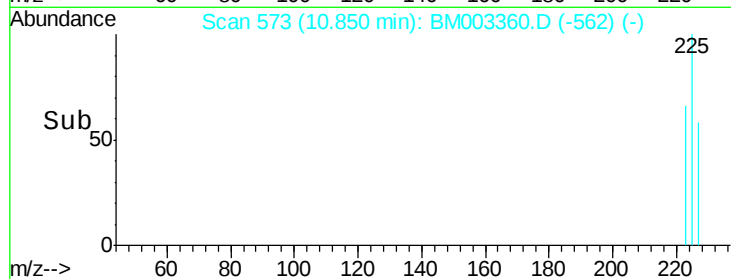
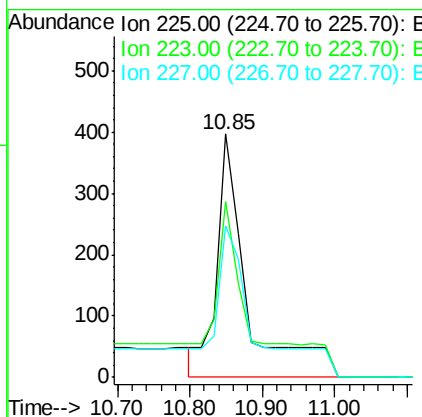
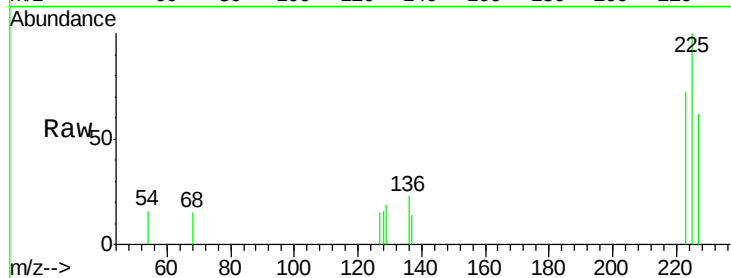




#11
Hexachlorobutadiene
Concen: 0.14 ng
RT: 10.85 min Scan# 573
Delta R.T. -0.00 min
Lab File: BM003360.D
Acq: 02 Dec 2015 17:33

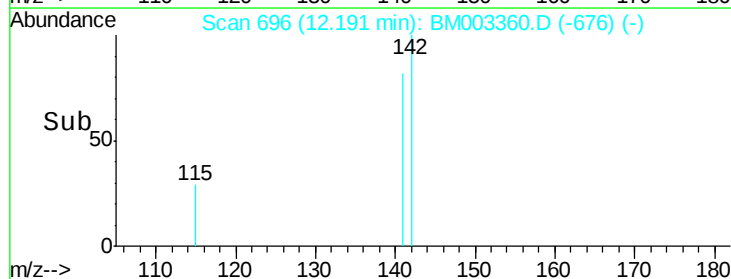
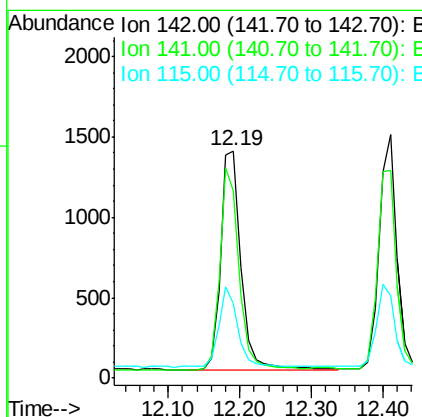
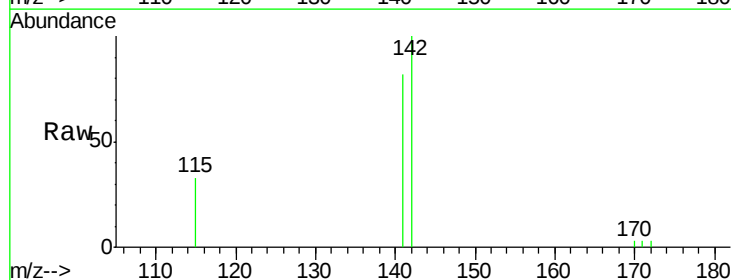
Instrument :
BNA_M
ClientSampleId :
LOD-SOIL2015-01

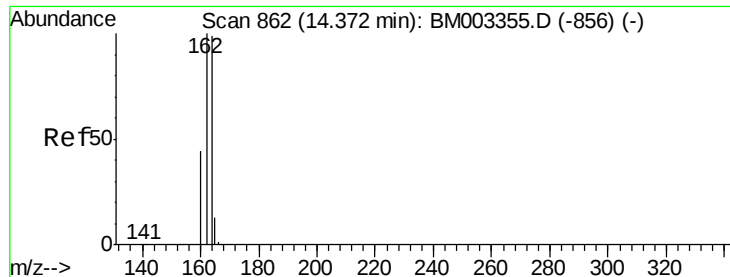
Tgt Ion: 225 Resp: 1157
Ion Ratio Lower Upper
225 100
223 91.4 53.0 79.4#
227 33.6 52.2 78.4#



#12
2-Methylnaphthalene
Concen: 0.07 ng
RT: 12.19 min Scan# 696
Delta R.T. 0.01 min
Lab File: BM003360.D
Acq: 02 Dec 2015 17:33

Tgt Ion: 142 Resp: 2671
Ion Ratio Lower Upper
142 100
141 82.2 72.2 108.2
115 32.7 28.0 42.0





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.38 min Scan# 862

Delta R.T. 0.01 min

Lab File: BM003360.D

Acq: 02 Dec 2015 17:33

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL2015-01

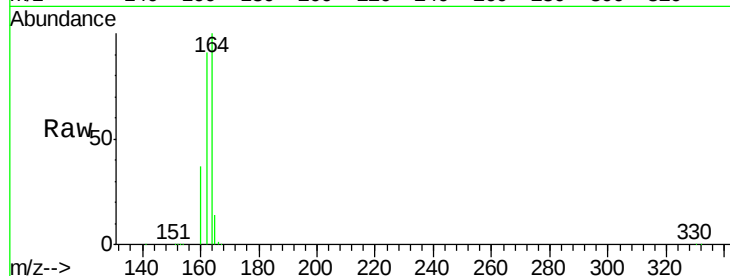
Tgt Ion:164 Resp: 124642

Ion Ratio Lower Upper

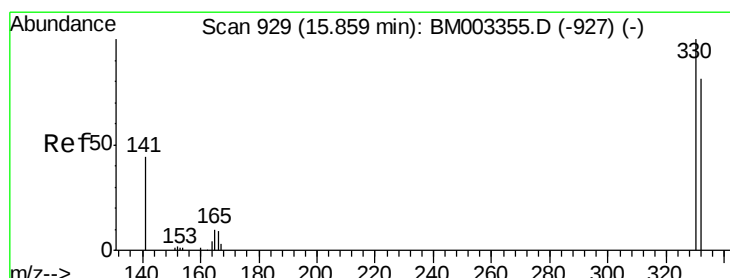
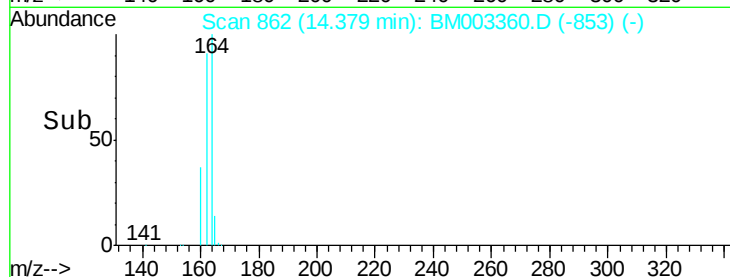
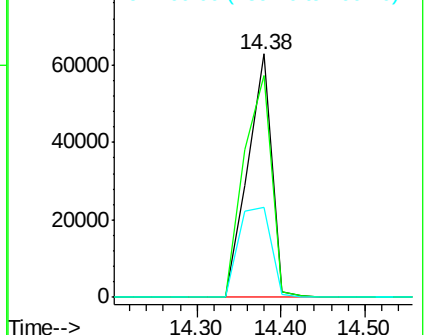
164 100

162 90.9 78.3 117.5

160 37.0 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: 6.33 ng

RT: 15.87 min Scan# 929

Delta R.T. 0.01 min

Lab File: BM003360.D

Acq: 02 Dec 2015 17:33

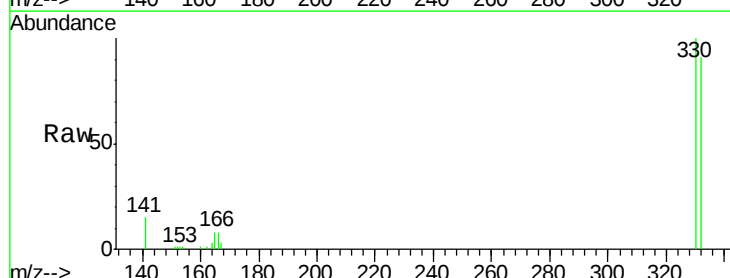
Tgt Ion:330 Resp: 20357

Ion Ratio Lower Upper

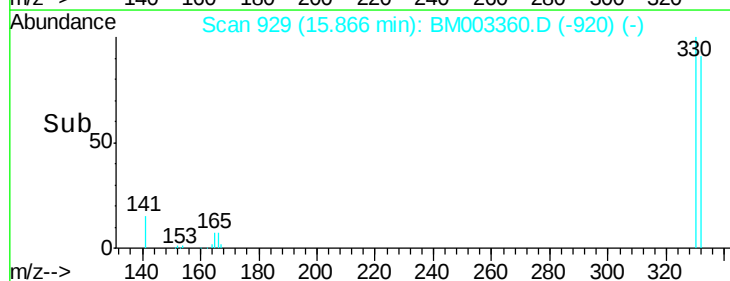
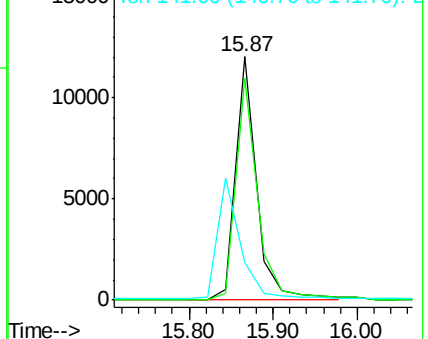
330 100

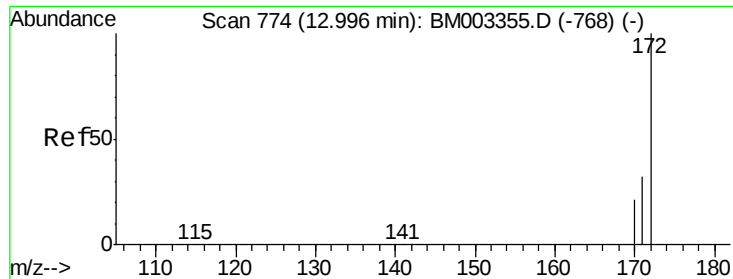
332 94.3 76.0 114.0

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

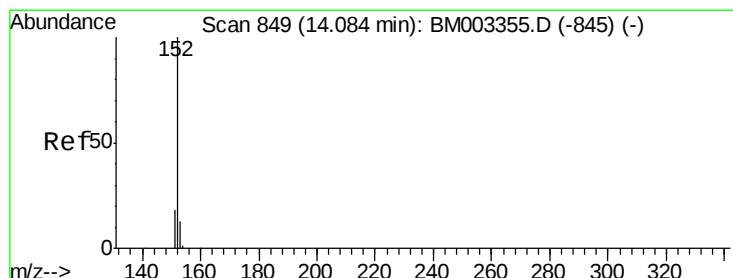
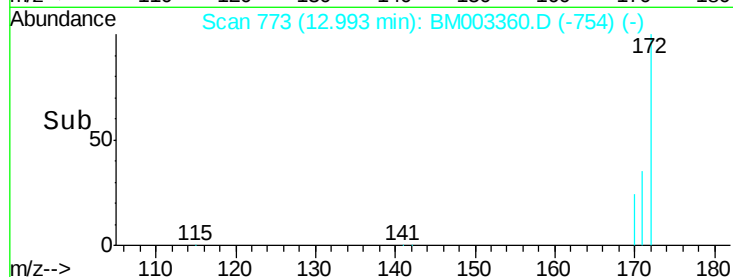
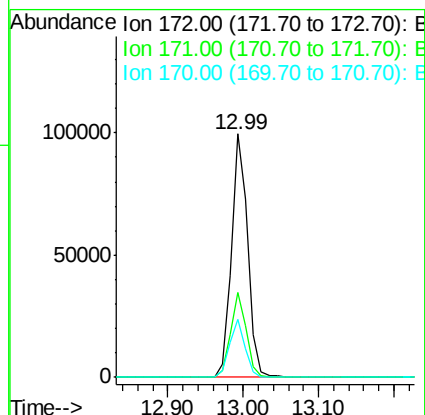
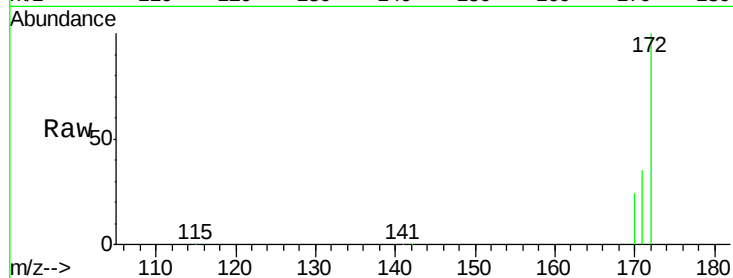




#15
2-Fluorobiphenyl
Concen: 4.02 ng
RT: 12.99 min Scan# 773
Delta R.T. -0.00 min
Lab File: BM003360.D
Acq: 02 Dec 2015 17:33

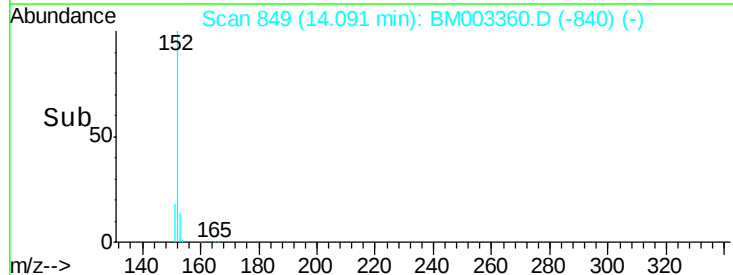
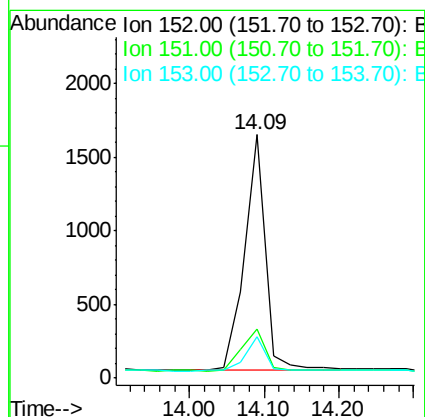
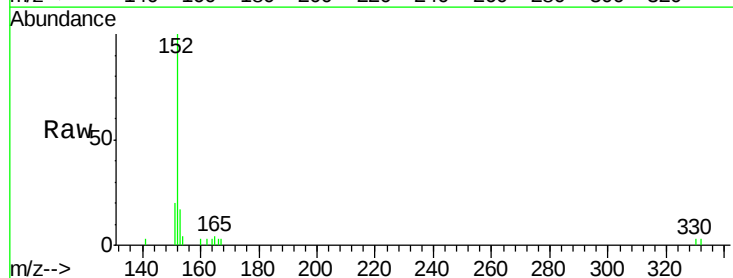
Instrument :
BNA_M
ClientSampleId :
LOD-SOIL2015-01

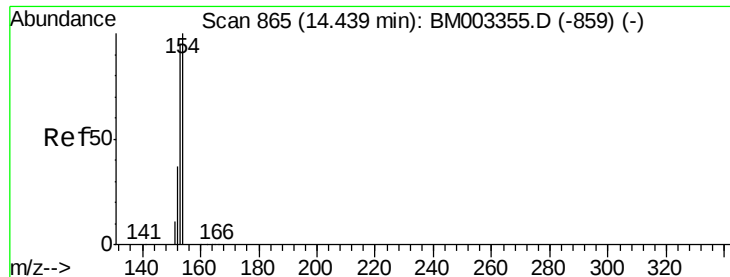
Tgt Ion:172 Resp: 150958
Ion Ratio Lower Upper
172 100
171 35.1 28.0 42.0
170 23.8 18.9 28.3



#16
Acenaphthylene
Concen: 0.06 ng
RT: 14.09 min Scan# 849
Delta R.T. 0.01 min
Lab File: BM003360.D
Acq: 02 Dec 2015 17:33

Tgt Ion:152 Resp: 3120
Ion Ratio Lower Upper
152 100
151 19.6 15.2 22.8
153 13.7 10.4 15.6





#17

Acenaphthene

Concen: 0.10 ng

RT: 14.42 min Scan# 864

Delta R.T. -0.02 min

Lab File: BM003360.D

Acq: 02 Dec 2015 17:33

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL2015-01

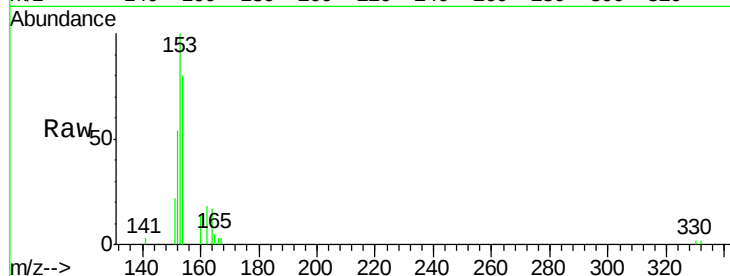
Tgt Ion:154 Resp: 3187

Ion Ratio Lower Upper

154 100

153 98.2 0.0 0.0#

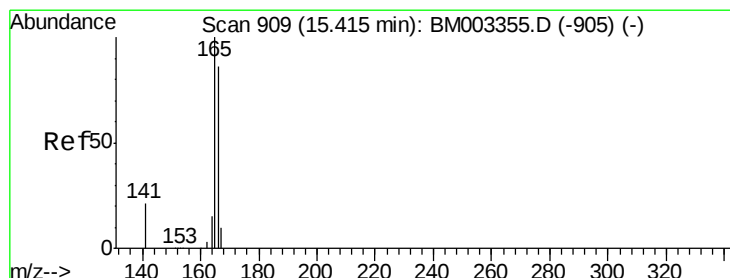
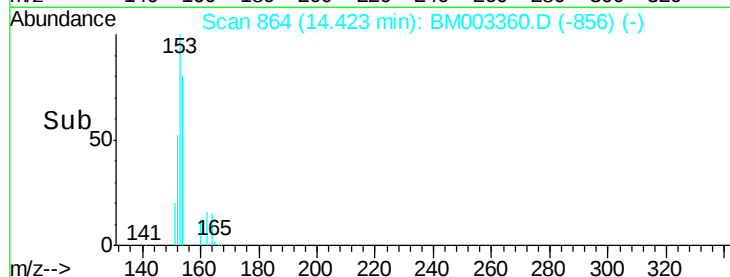
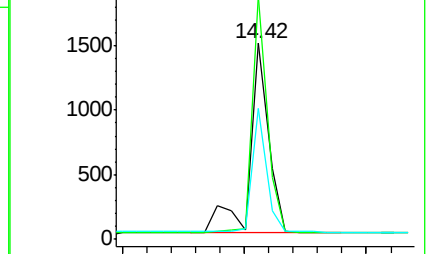
152 48.7 0.0 0.0#



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: 0.09 ng

RT: 15.42 min Scan# 909

Delta R.T. 0.01 min

Lab File: BM003360.D

Acq: 02 Dec 2015 17:33

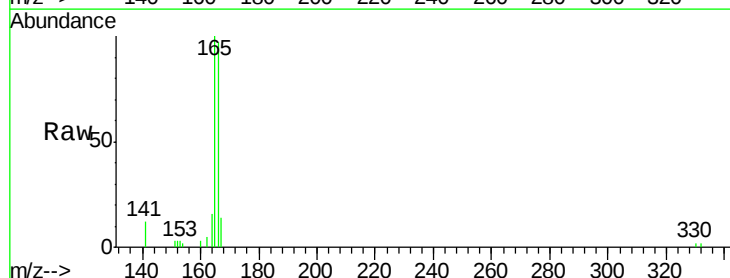
Tgt Ion:166 Resp: 3203

Ion Ratio Lower Upper

166 100

165 99.9 80.8 121.2

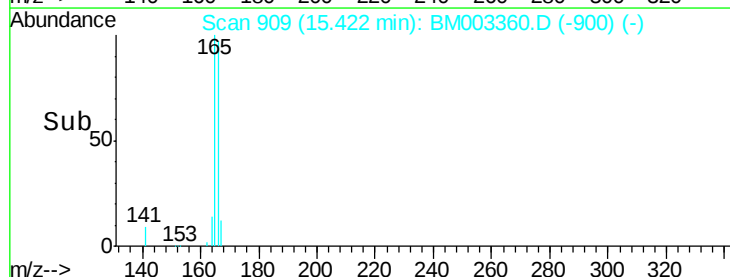
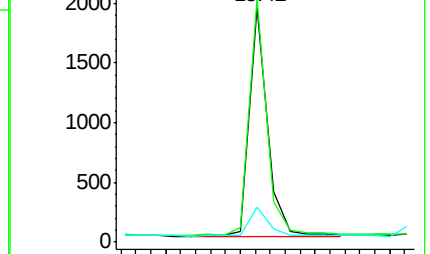
167 13.2 10.5 15.7

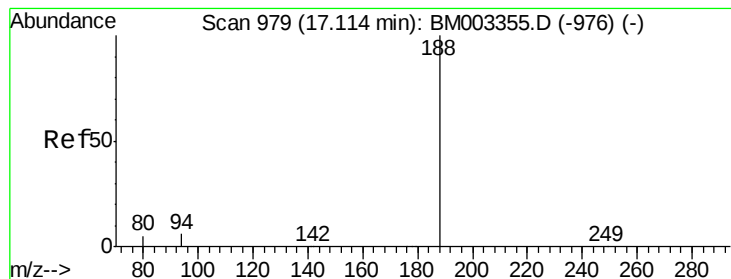


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.12 min Scan# 979

Delta R.T. 0.01 min

Lab File: BM003360.D

Acq: 02 Dec 2015 17:33

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL2015-01

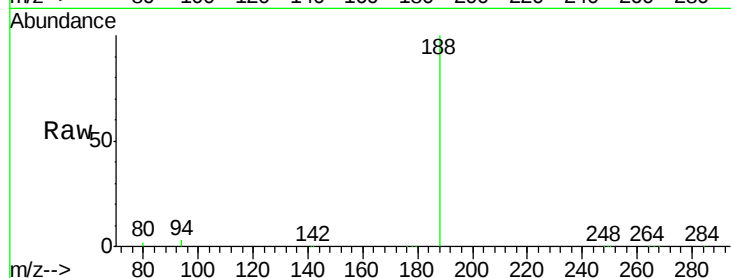
Tgt Ion:188 Resp: 285378

Ion Ratio Lower Upper

188 100

94 3.0 1.8 2.6#

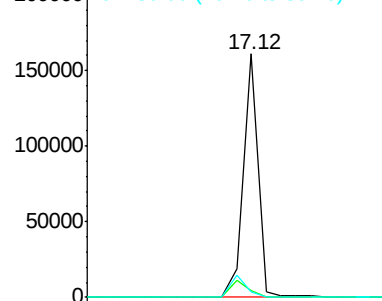
80 2.3 1.4 2.0#



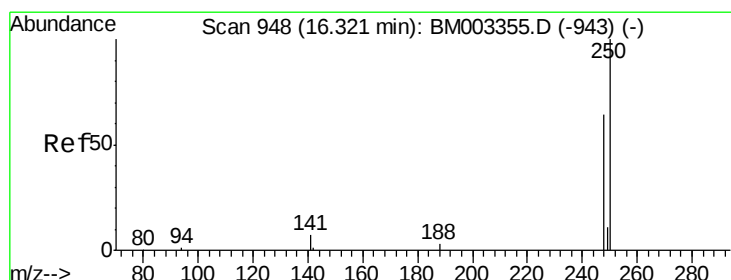
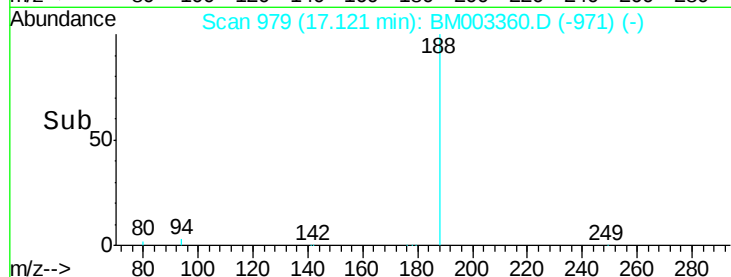
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0



Time-->



#20

4-Bromophenyl-phenylether

Concen: 0.10 ng

RT: 16.30 min Scan# 947

Delta R.T. -0.02 min

Lab File: BM003360.D

Acq: 02 Dec 2015 17:33

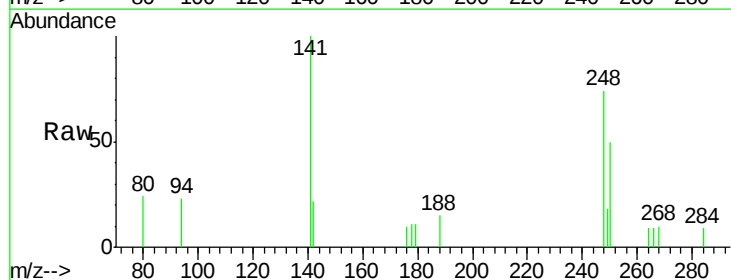
Tgt Ion:248 Resp: 799

Ion Ratio Lower Upper

248 100

250 84.9 65.4 98.0

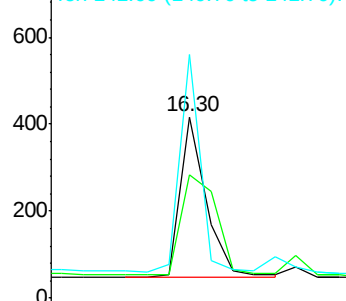
141 103.3 72.8 109.2



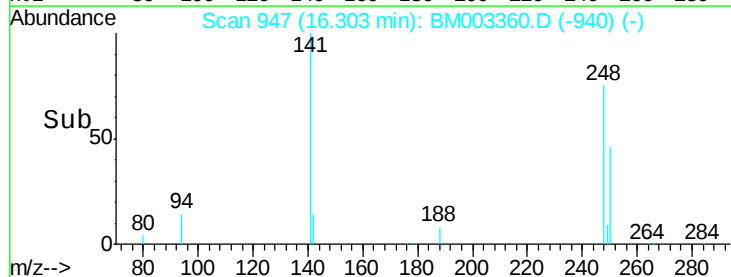
Abundance Ion 248.00 (247.70 to 248.70): E

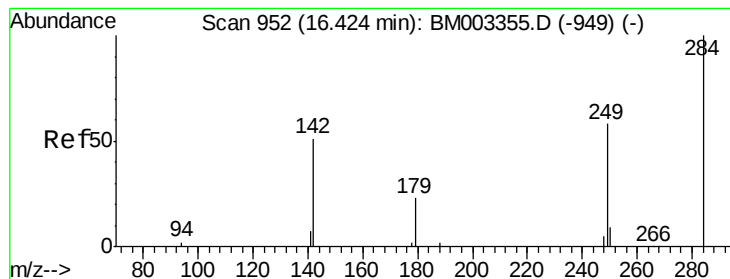
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



Time-->





#21

Hexachlorobenzene

Concen: 0.08 ng

RT: 16.43 min Scan# 952

Delta R.T. 0.01 min

Lab File: BM003360.D

Acq: 02 Dec 2015 17:33

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL2015-01

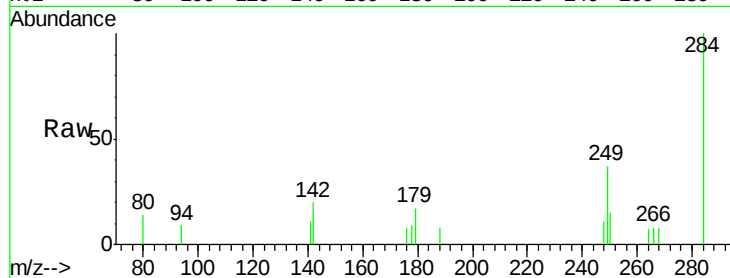
Tgt Ion:284 Resp: 1041

Ion Ratio Lower Upper

284 100

142 0.0 0.0 0.0

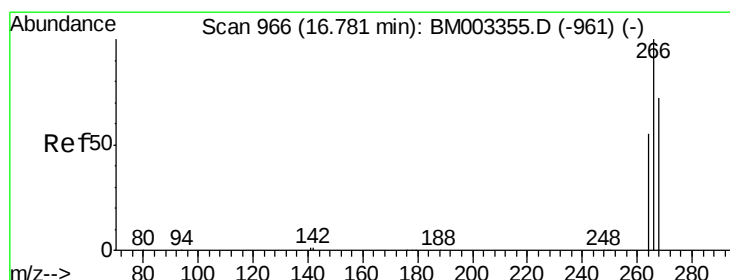
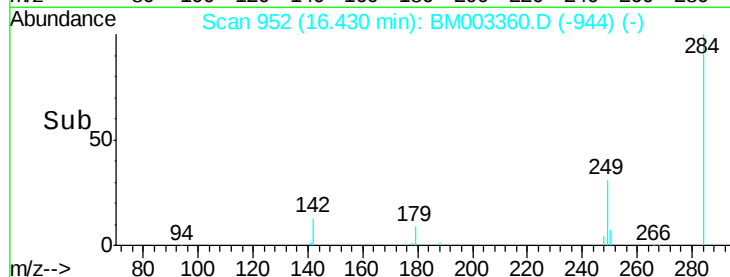
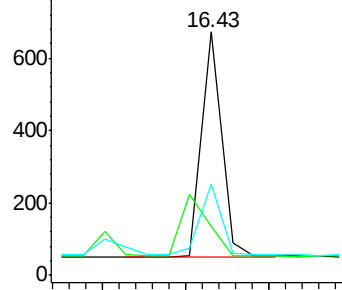
249 31.7 19.4 29.2#



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: 0.36 ng

RT: 16.79 min Scan# 966

Delta R.T. 0.01 min

Lab File: BM003360.D

Acq: 02 Dec 2015 17:33

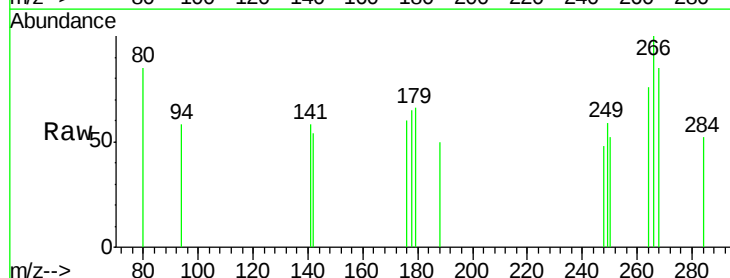
Tgt Ion:266 Resp: 140

Ion Ratio Lower Upper

266 100

268 84.7 45.8 68.8#

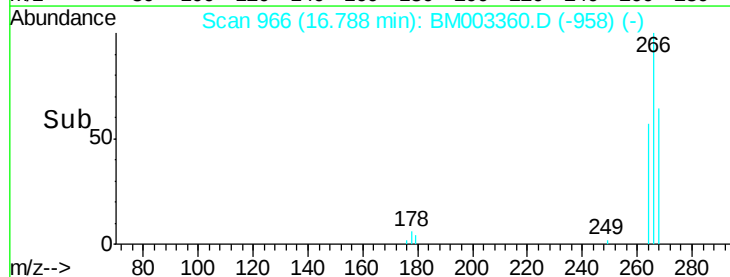
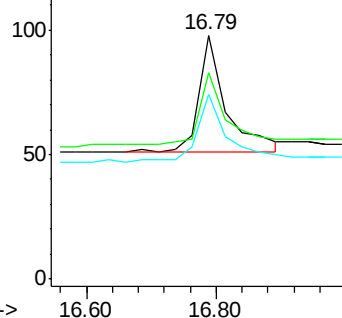
264 75.5 56.7 85.1

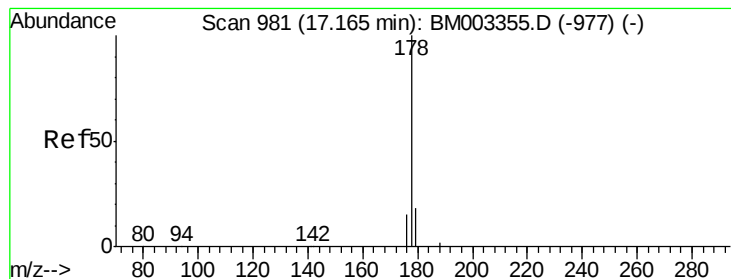


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#23

Phenanthrene

Concen: 0.07 ng

RT: 17.25 min Scan# 984

Delta R.T. 0.08 min

Lab File: BM003360.D

Acq: 02 Dec 2015 17:33

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL2015-01

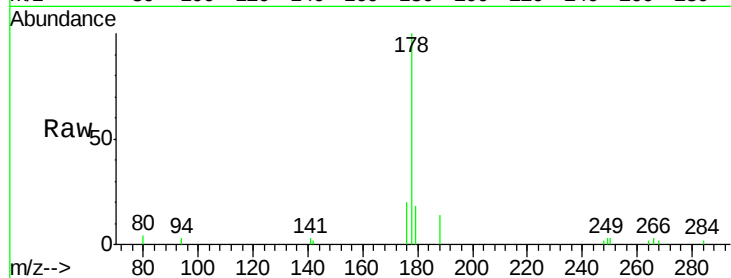
Tgt Ion:178 Resp: 4093

Ion Ratio Lower Upper

178 100

176 18.2 15.9 23.9

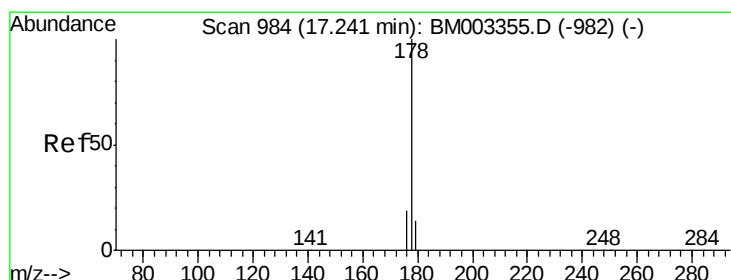
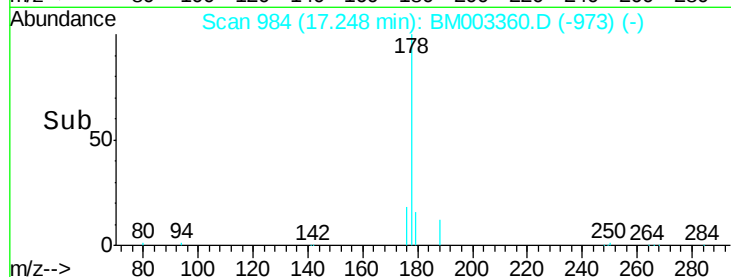
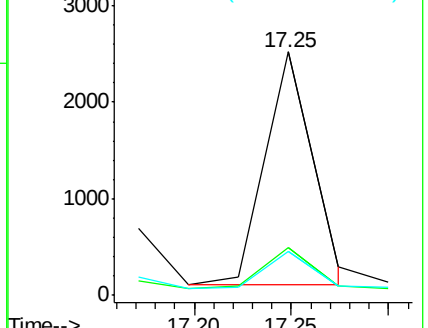
179 15.5 11.7 17.5



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: 0.07 ng

RT: 17.25 min Scan# 984

Delta R.T. 0.01 min

Lab File: BM003360.D

Acq: 02 Dec 2015 17:33

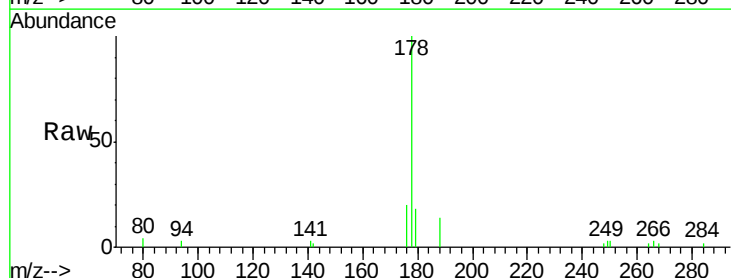
Tgt Ion:178 Resp: 4341

Ion Ratio Lower Upper

178 100

176 18.1 14.1 21.1

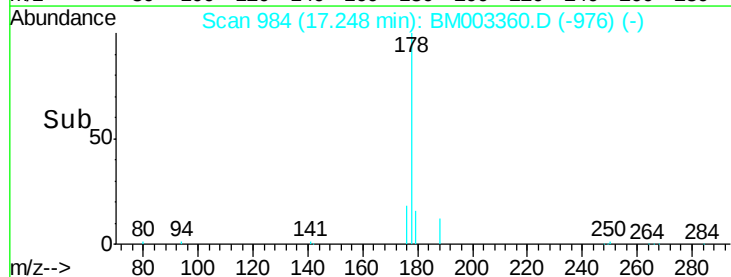
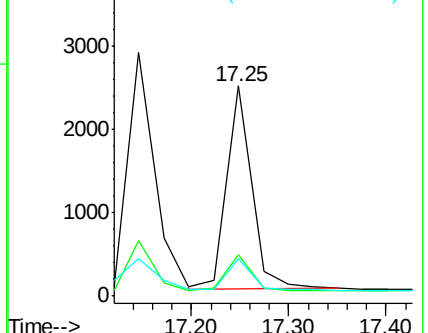
179 15.5 12.8 19.2

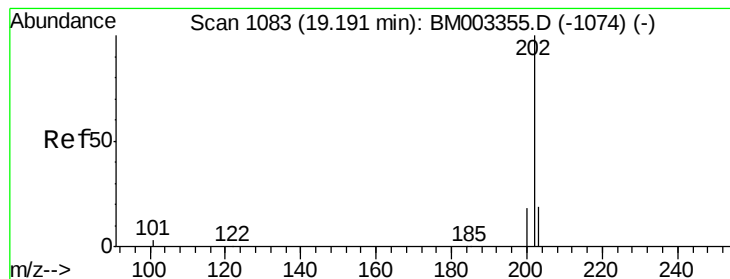


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene

Concen: 0.08 ng

RT: 19.18 min Scan# 1082

Delta R.T. -0.01 min

Lab File: BM003360.D

Acq: 02 Dec 2015 17:33

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL2015-01

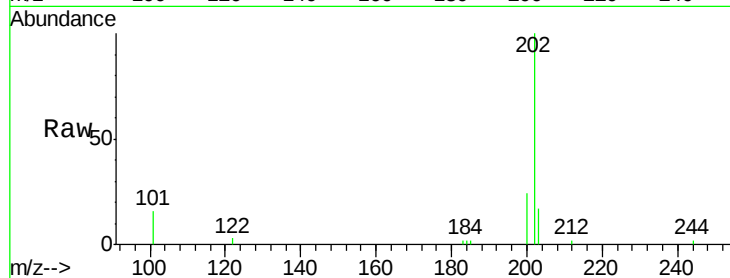
Tgt Ion:202 Resp: 4520

Ion Ratio Lower Upper

202 100

101 12.1 9.9 14.9

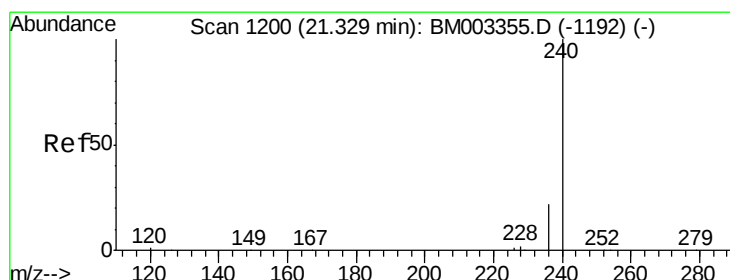
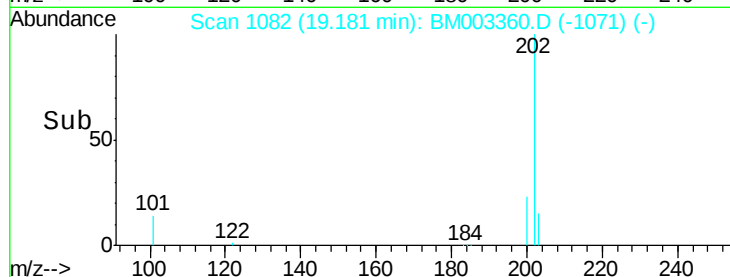
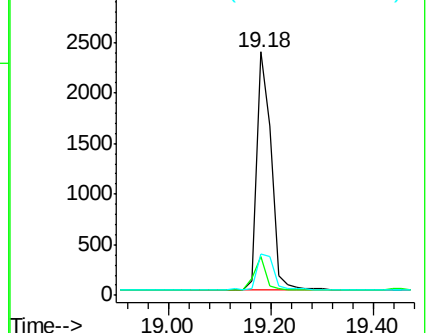
203 17.4 13.9 20.9



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: 21.32 min Scan# 1199

Delta R.T. -0.01 min

Lab File: BM003360.D

Acq: 02 Dec 2015 17:33

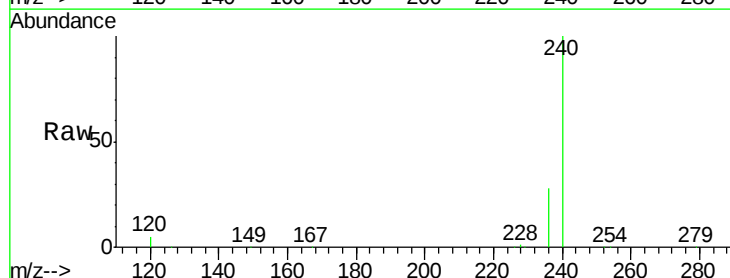
Tgt Ion:240 Resp: 206705

Ion Ratio Lower Upper

240 100

120 5.1 1.0 1.4#

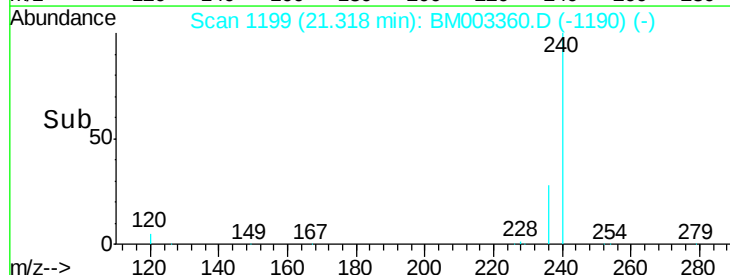
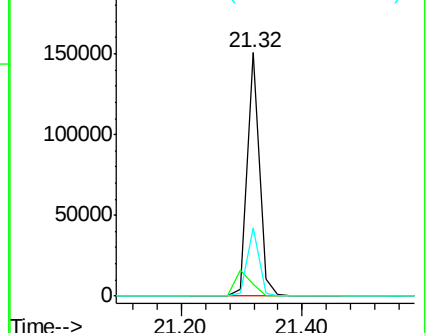
236 27.8 17.9 26.9#

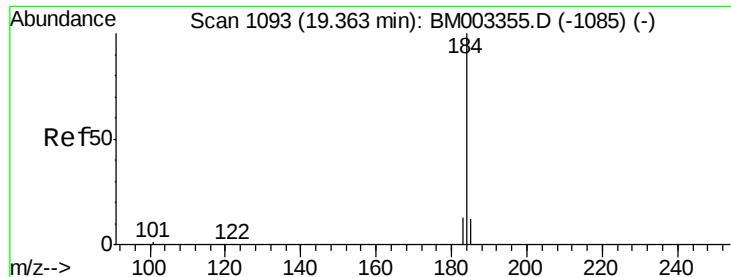


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#27

Benzidine

Concen: 0.40 ng

RT: 19.39 min Scan# 1094

Delta R.T. 0.02 min

Lab File: BM003360.D

Acq: 02 Dec 2015 17:33

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL2015-01

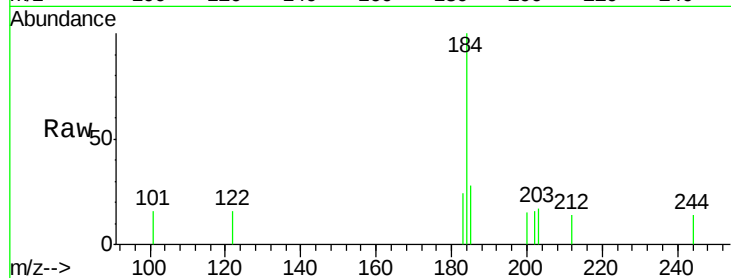
Tgt Ion:184 Resp: 849

Ion Ratio Lower Upper

184 100

185 27.6 11.6 17.4#

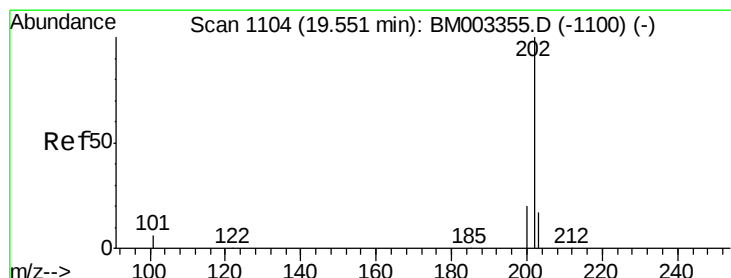
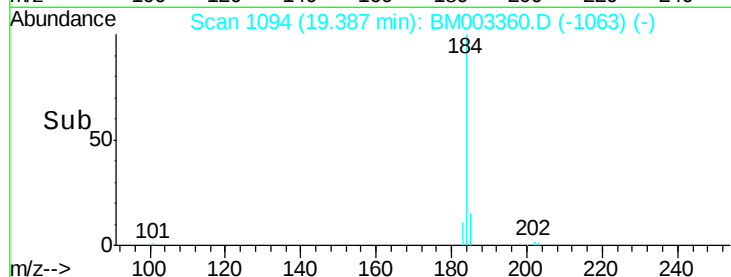
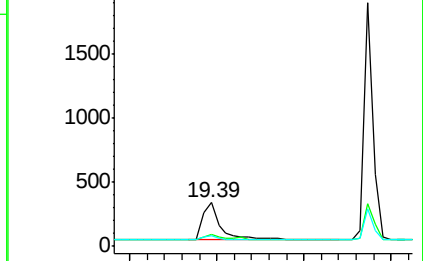
183 23.5 8.6 13.0#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#28

Pyrene

Concen: 0.06 ng

RT: 19.56 min Scan# 1104

Delta R.T. 0.01 min

Lab File: BM003360.D

Acq: 02 Dec 2015 17:33

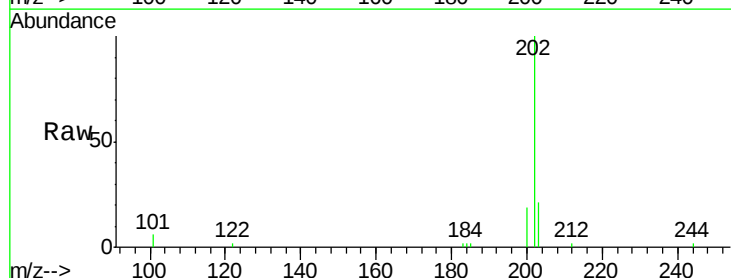
Tgt Ion:202 Resp: 4631

Ion Ratio Lower Upper

202 100

200 20.9 16.7 25.1

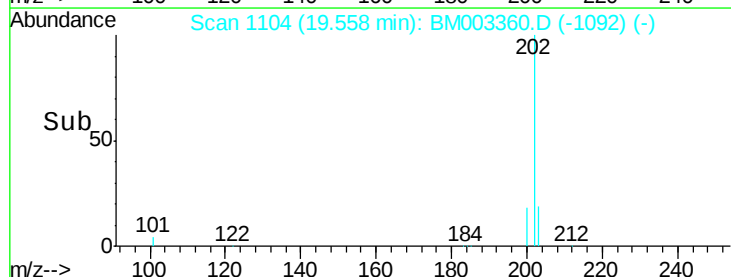
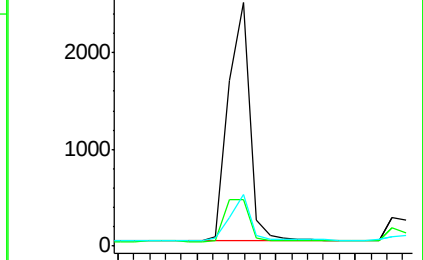
203 17.9 13.8 20.6

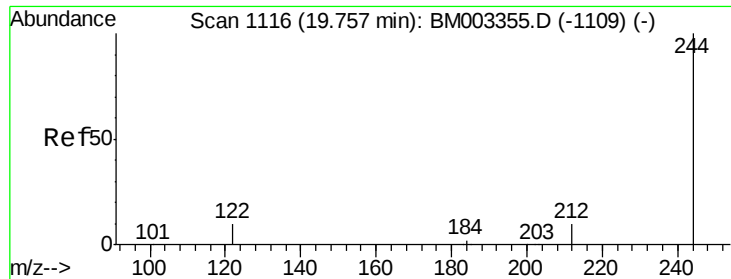


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 3.26 ng

RT: 19.76 min Scan# 1116

Delta R.T. 0.01 min

Lab File: BM003360.D

Acq: 02 Dec 2015 17:33

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL2015-01

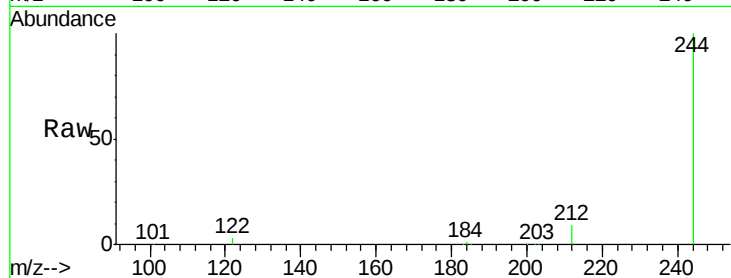
Tgt Ion:244 Resp: 109280

Ion Ratio Lower Upper

244 100

212 8.7 6.5 9.7

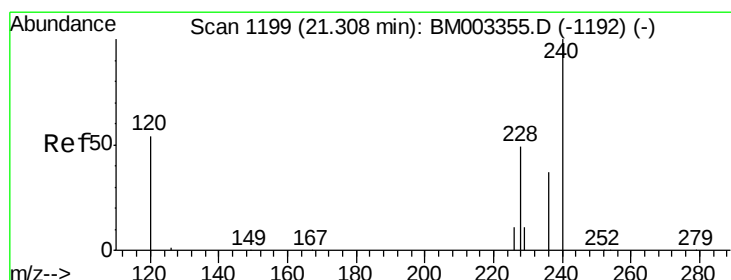
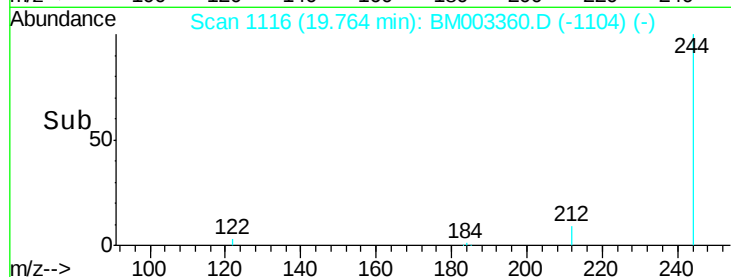
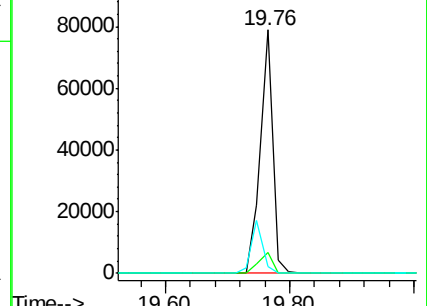
122 2.7 2.0 3.0



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: 0.15 ng

RT: 21.30 min Scan# 1198

Delta R.T. -0.01 min

Lab File: BM003360.D

Acq: 02 Dec 2015 17:33

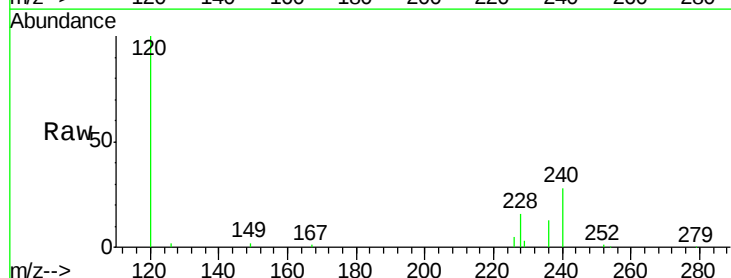
Tgt Ion:228 Resp: 8443

Ion Ratio Lower Upper

228 100

226 28.9 17.8 26.6#

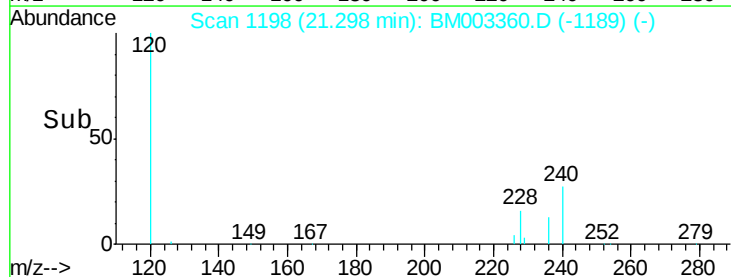
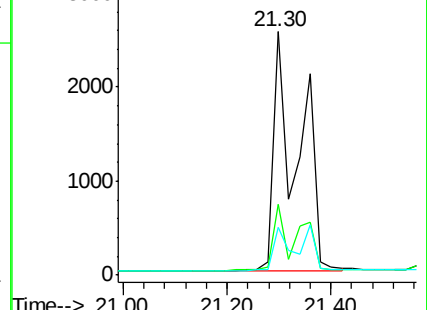
229 19.8 18.0 27.0

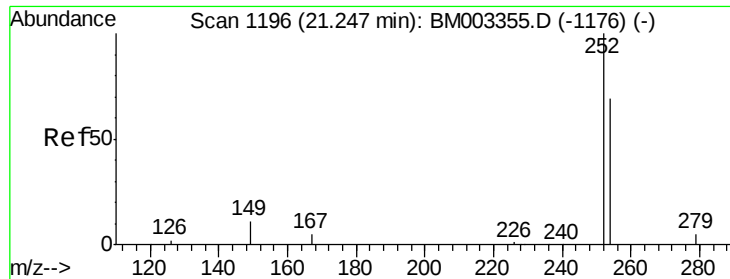


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

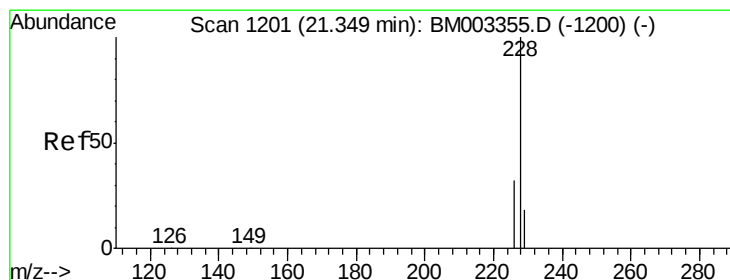
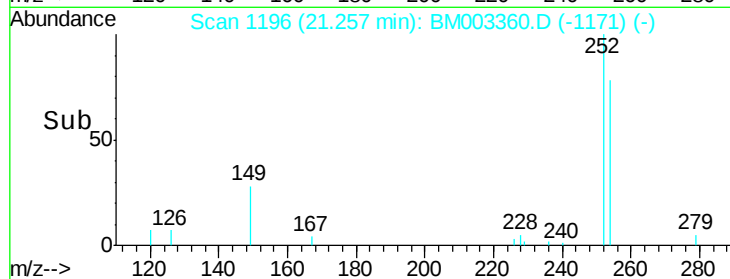
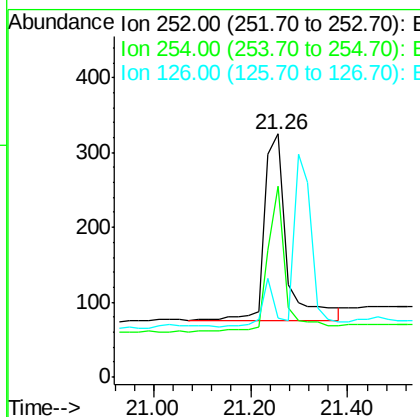
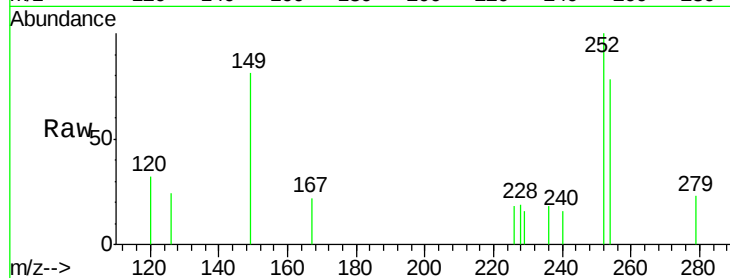




#31
 3,3'-Dichlorobenzidine
 Concen: 0.14 ng
 RT: 21.26 min Scan# 1196
 Delta R.T. 0.01 min
 Lab File: BM003360.D
 Acq: 02 Dec 2015 17:33

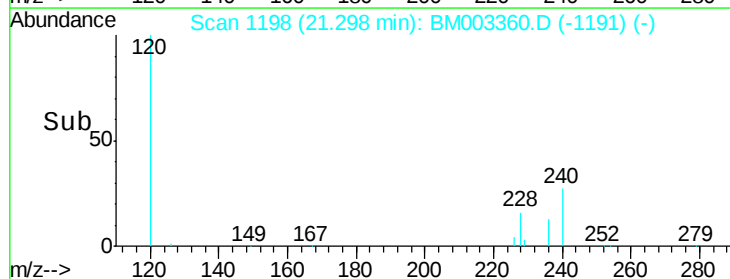
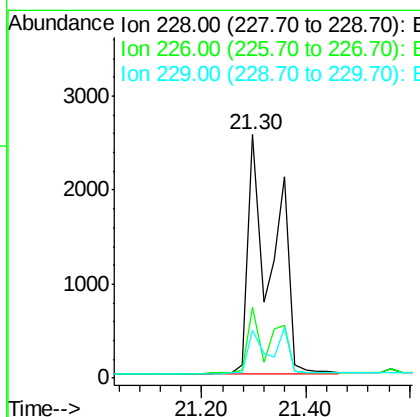
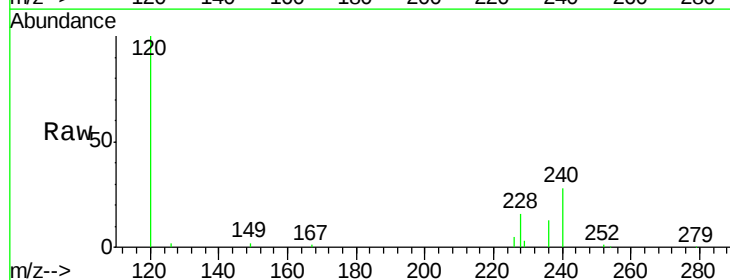
Instrument :
 BNA_M
 ClientSampleId :
 LOD-SOIL2015-01

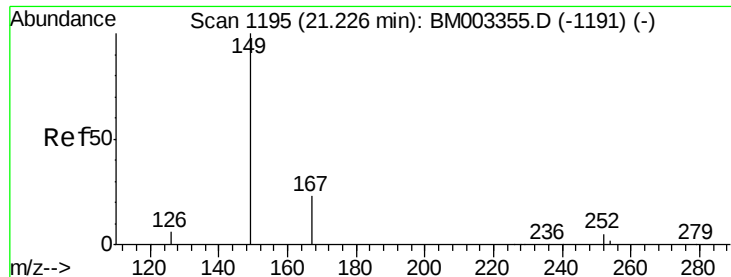
Tgt Ion: 252 Resp: 793
 Ion Ratio Lower Upper
 252 100
 254 78.5 53.7 80.5
 126 24.3 2.8 4.2#



#32
 Chrysene
 Concen: 0.13 ng
 RT: 21.30 min Scan# 1198
 Delta R.T. -0.05 min
 Lab File: BM003360.D
 Acq: 02 Dec 2015 17:33

Tgt Ion: 228 Resp: 8485
 Ion Ratio Lower Upper
 228 100
 226 28.9 25.5 38.3
 229 19.8 14.3 21.5





#33

Bis(2-ethylhexyl)phthalate

Concen: 0.28 ng

RT: 21.24 min Scan# 1195

Delta R.T. 0.01 min

Lab File: BM003360.D

Acq: 02 Dec 2015 17:33

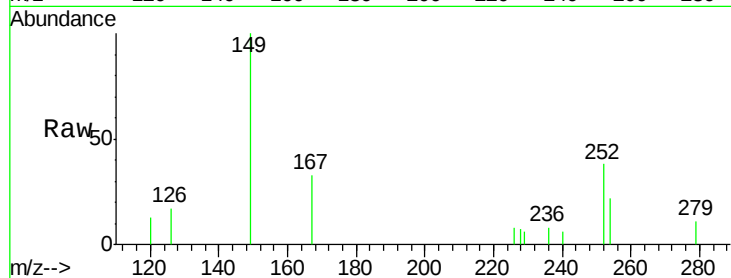
Instrument :

BNA_M

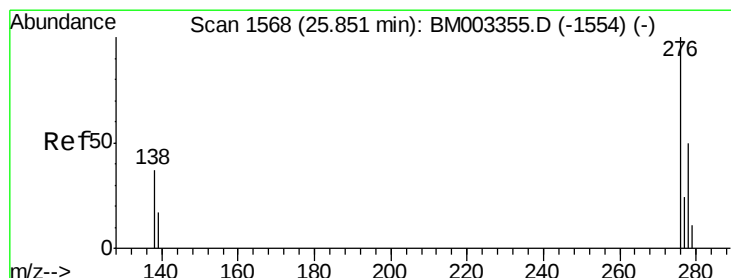
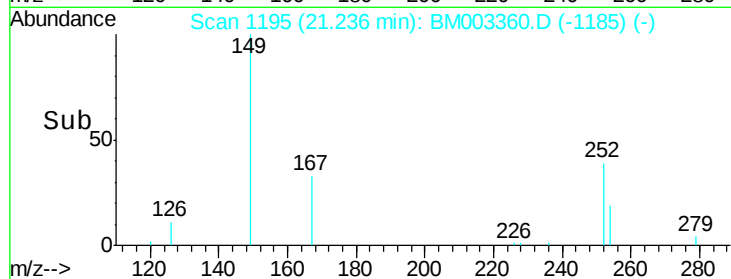
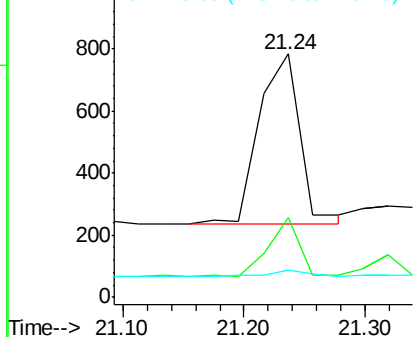
ClientSampleId :

LOD-SOIL2015-01

Tgt Ion:	149	Resp:	1284
Ion Ratio		Lower	Upper
149	100		
167	26.2	19.6	29.4
279	4.4	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: 0.07 ng

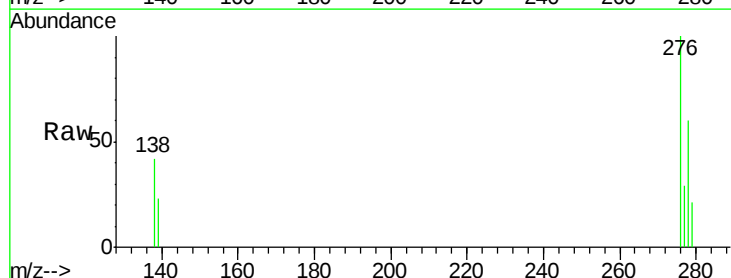
RT: 25.86 min Scan# 1569

Delta R.T. 0.01 min

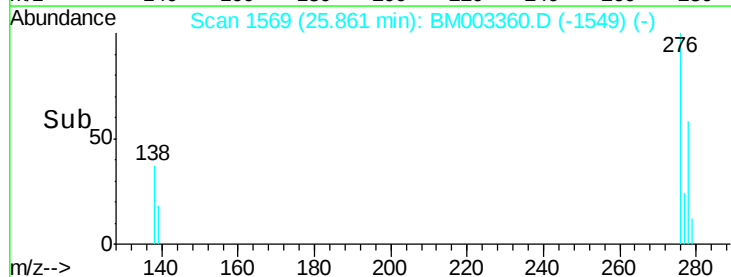
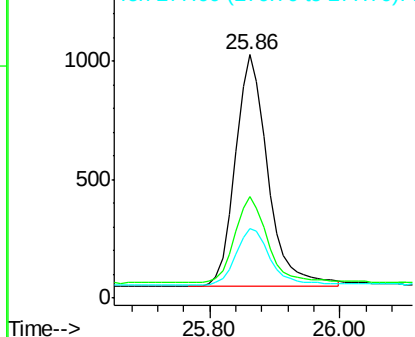
Lab File: BM003360.D

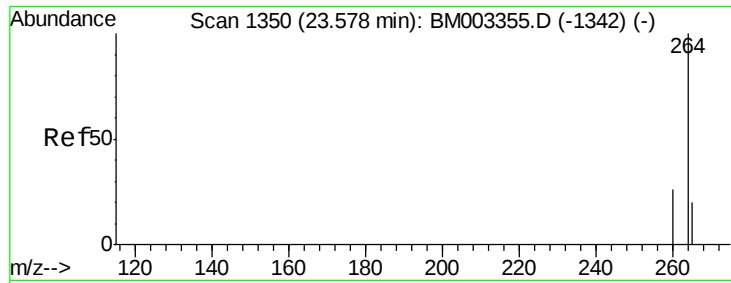
Acq: 02 Dec 2015 17:33

Tgt Ion:	276	Resp:	3394
Ion Ratio		Lower	Upper
276	100		
138	37.2	19.1	28.7#
277	25.6	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

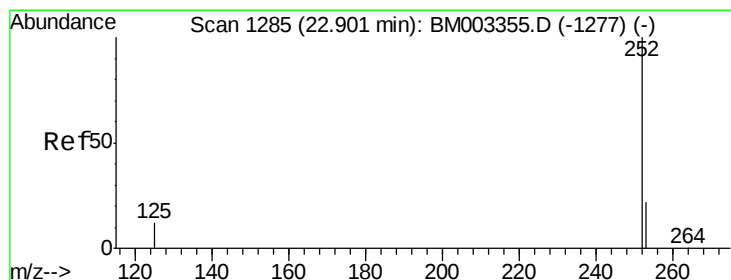
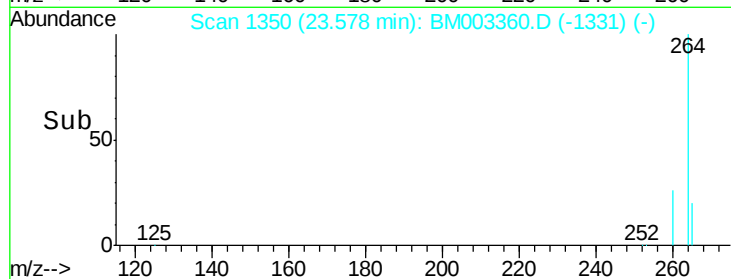
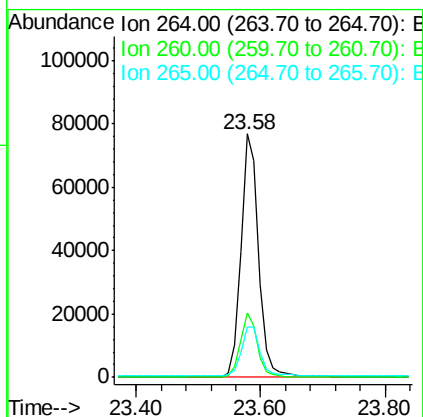
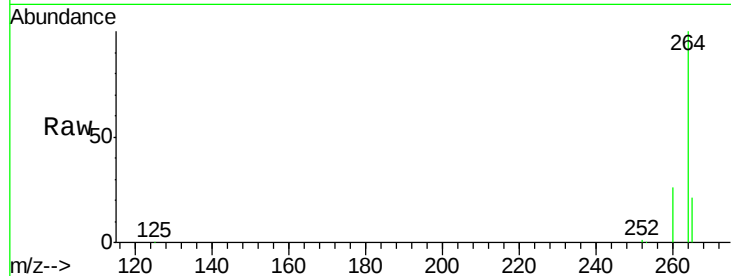




#35
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.58 min Scan# 1350
 Delta R.T. 0.00 min
 Lab File: BM003360.D
 Acq: 02 Dec 2015 17:33

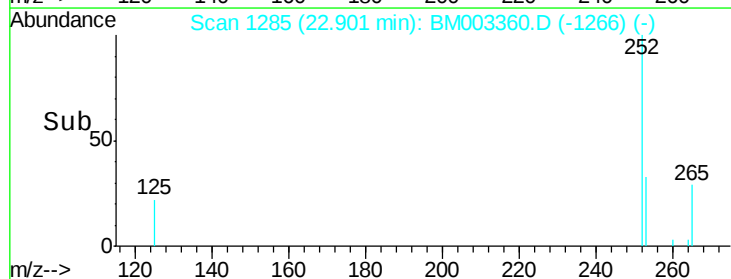
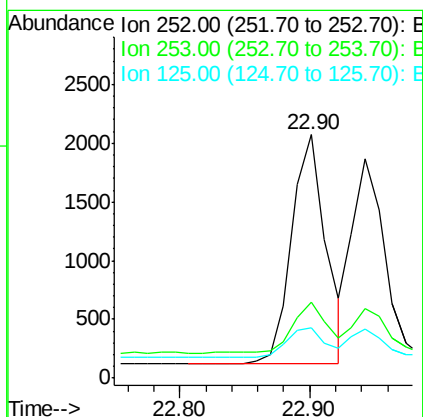
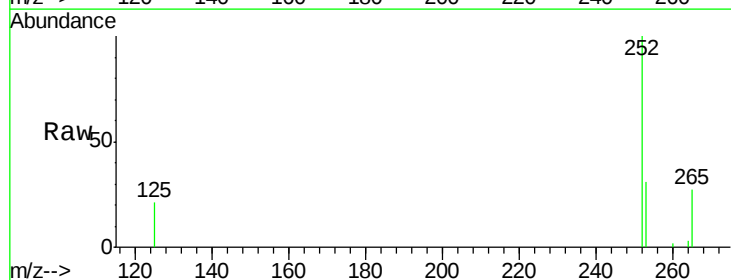
Instrument :
 BNA_M
 ClientSampleId :
 LOD-SOIL2015-01

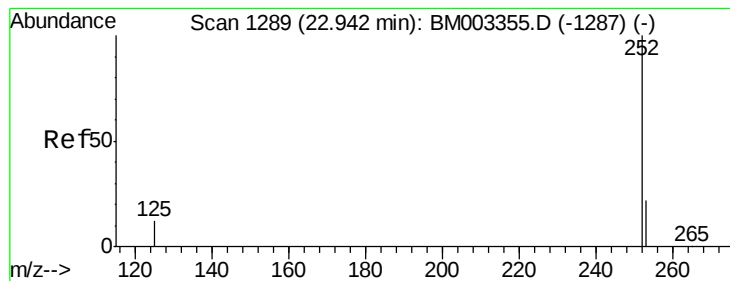
Tgt Ion:264 Resp: 152453
 Ion Ratio Lower Upper
 264 100
 260 26.4 19.6 29.4
 265 20.8 18.4 27.6



#36
 Benzo(b)fluoranthene
 Concen: 0.08 ng
 RT: 22.90 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: BM003360.D
 Acq: 02 Dec 2015 17:33

Tgt Ion:252 Resp: 3573
 Ion Ratio Lower Upper
 252 100
 253 31.1 18.2 27.4#
 125 20.9 10.3 15.5#





#37

Benzo(k)fluoranthene

Concen: 0.08 ng

RT: 22.94 min Scan# 1289

Delta R.T. 0.00 min

Lab File: BM003360.D

Acq: 02 Dec 2015 17:33

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL2015-01

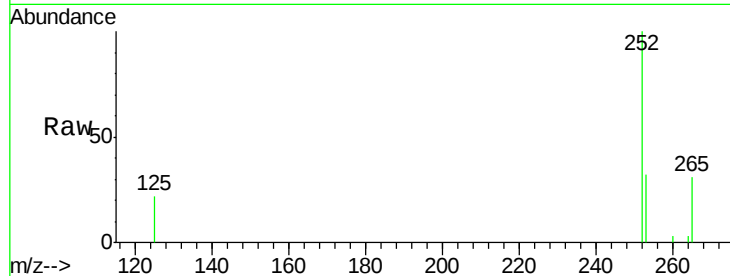
Tgt Ion:252 Resp: 3179

Ion Ratio Lower Upper

252 100

253 31.9 17.5 26.3#

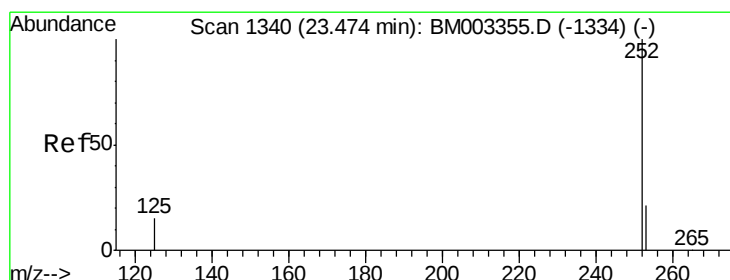
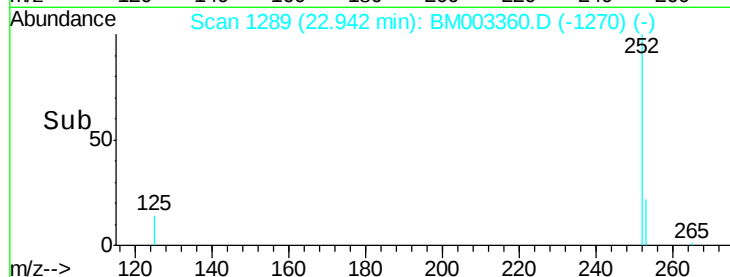
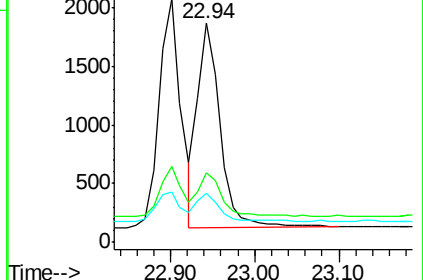
125 22.3 10.7 16.1#



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: 0.07 ng

RT: 23.47 min Scan# 1340

Delta R.T. 0.00 min

Lab File: BM003360.D

Acq: 02 Dec 2015 17:33

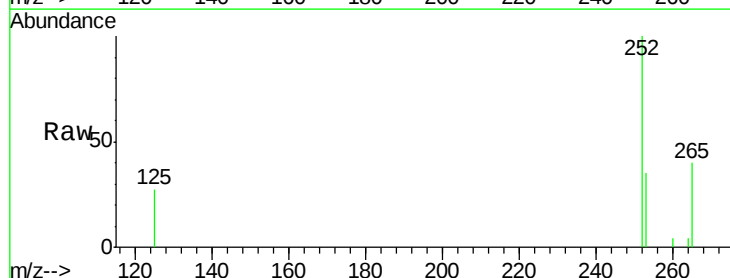
Tgt Ion:252 Resp: 2782

Ion Ratio Lower Upper

252 100

253 34.8 18.7 28.1#

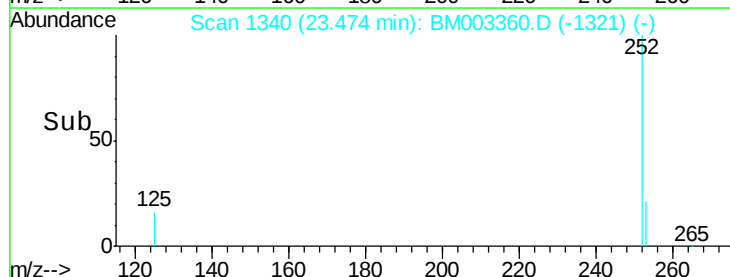
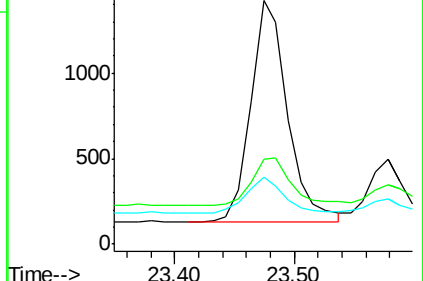
125 27.5 11.6 17.4#

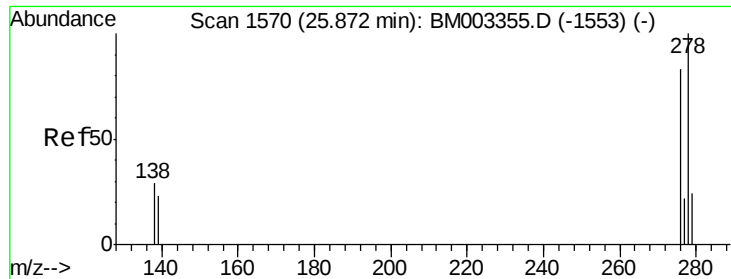


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#39

Dibenzo(a,h)anthracene

Concen: 0.08 ng

RT: 25.88 min Scan# 1571

Delta R.T. 0.01 min

Lab File: BM003360.D

Acq: 02 Dec 2015 17:33

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL2015-01

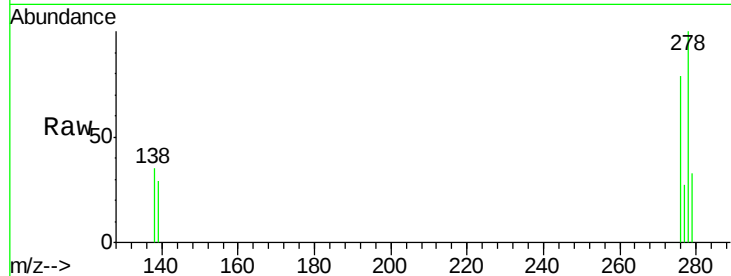
Tgt Ion:278 Resp: 2773

Ion Ratio Lower Upper

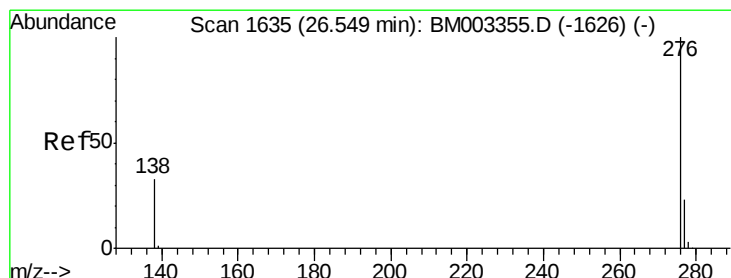
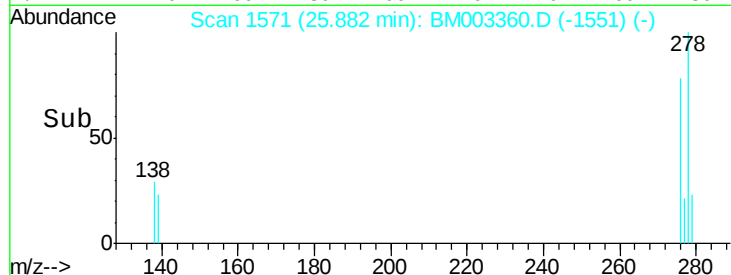
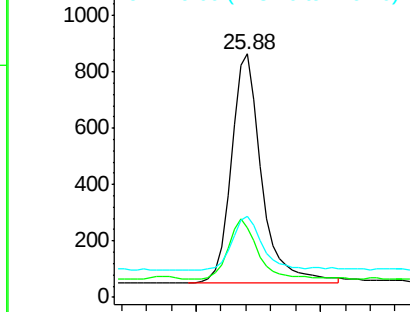
278 100

139 28.8 18.2 27.4#

279 33.3 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: 26.56 min Scan# 1636

Delta R.T. 0.01 min

Lab File: BM003360.D

Acq: 02 Dec 2015 17:33

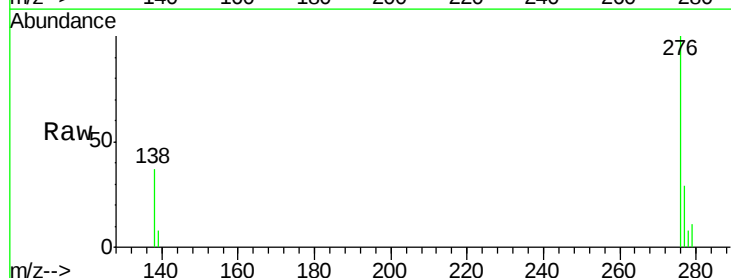
Tgt Ion:276 Resp: 3113

Ion Ratio Lower Upper

276 100

277 28.5 19.0 28.6

138 36.7 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

