

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM113015\
 Data File : BM003334.D
 Acq On : 01 Dec 2015 00:22
 Operator : UM/IZ
 Sample : G3707-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL2015-02

Quant Time: Dec 01 02:52:11 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	60886	5.00	ng	-0.02
7) Naphthalene-d8	10.51	136	246128	5.00	ng	-0.02
13) Acenaphthene-d10	14.38	164	123373	5.00	ng	0.00
19) Phenanthrene-d10	17.12	188	252551	5.00	ng	0.00
26) Chrysene-d12	21.32	240	190408	5.00	ng	0.00
35) Perylene-d12	23.57	264	155211	5.00	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.31	112	101047	8.41	ng	0.00
5) Phenol-d6	6.88	99	127652	9.27	ng	-0.02
8) Nitrobenzene-d5	8.88	82	49381	4.51	ng	0.00
14) 2,4,6-Tribromophenol	15.87	330	28792	9.99	ng	0.00
15) 2-Fluorobiphenyl	12.99	172	174517	4.38	ng	-0.01
29) Terphenyl-d14	19.76	244	116376	4.39	ng	0.00

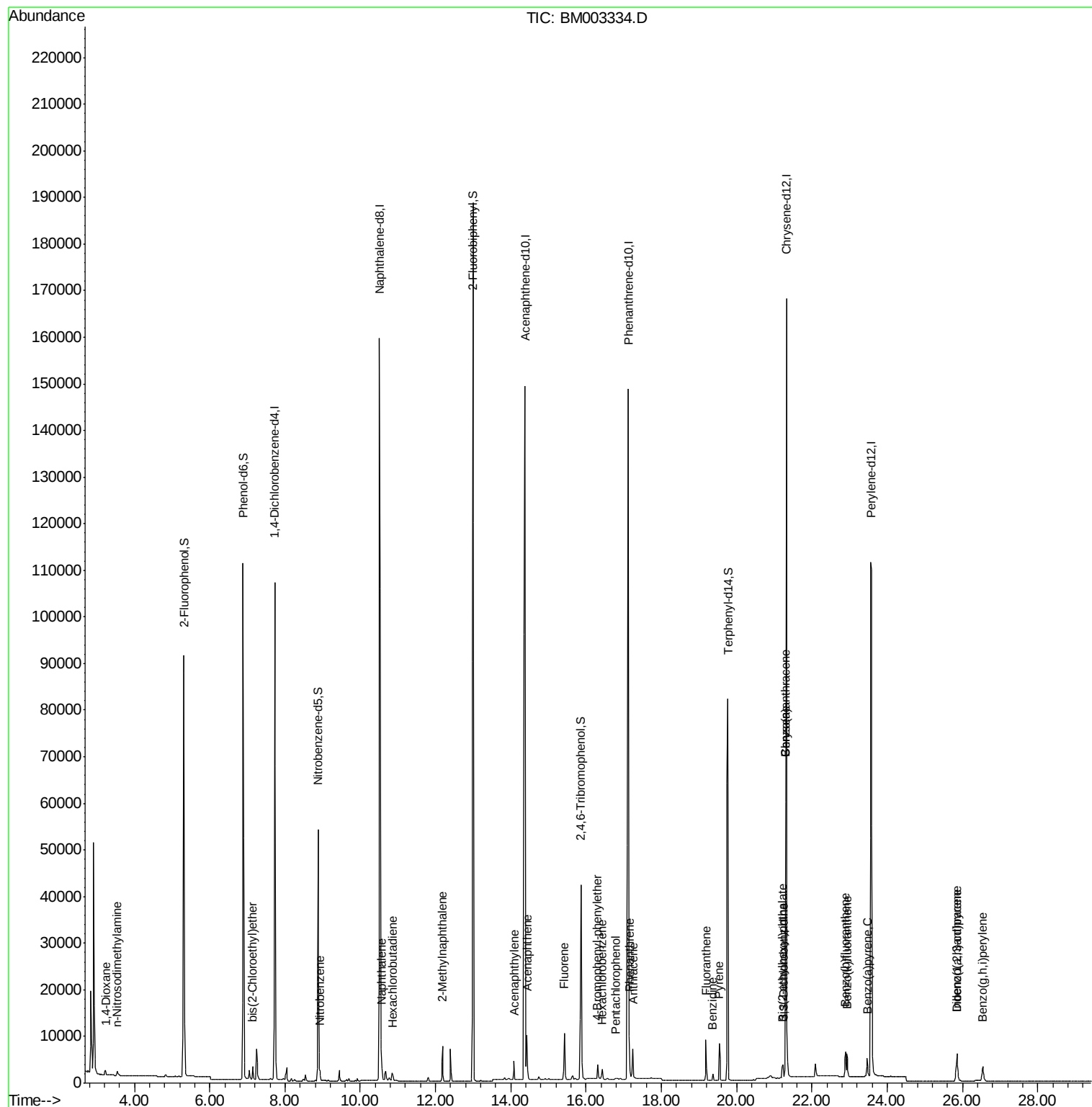
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.23	88	1005	0.11	ng	89
3) n-Nitrosodimethylamine	3.54	42	835	0.15	ng	# 97
6) bis(2-Chloroethyl)ether	7.14	93	2242	0.16	ng	98
9) Nitrobenzene	8.93	77	2192	0.18	ng	96
10) Naphthalene	10.56	128	8512	0.16	ng	98
11) Hexachlorobutadiene	10.85	225	1252	0.15	ng	96
12) 2-Methylnaphthalene	12.18	142	5502	0.16	ng	98
16) Acenaphthylene	14.09	152	6382	0.14	ng	99
17) Acenaphthene	14.42	154	5741	0.16	ng	# 100
18) Fluorene	15.42	166	6461	0.18	ng	97
20) 4-Bromophenyl-phenylether	16.30	248	1696	0.38	ng	97
21) Hexachlorobenzene	16.43	284	2096	0.24	ng	# 89
22) Pentachlorophenol	16.79	266	193	0.16	ng	# 81
23) Phenanthrene	17.15	178	10534	0.28	ng	98
24) Anthracene	17.25	178	8339	0.18	ng	100
25) Fluoranthene	19.18	202	8851	0.16	ng	100
27) Benzidine	19.37	184	1865	0.35	ng	# 90
28) Pyrene	19.54	202	9094	0.16	ng	99
30) Benzo(a)anthracene	21.30	228	7698	0.16	ng	96
31) 3,3'-Dichlorobenzidine	21.24	252	1904	0.35	ng	# 93
32) Chrysene	21.30	228	7686	0.15	ng	# 89
33) Bis(2-ethylhexyl)phthalate	21.22	149	2983	0.20	ng	# 100
34) Indeno(1,2,3-cd)pyrene	25.84	276	6922	0.16	ng	# 80
36) Benzo(b)fluoranthene	22.89	252	7090	0.16	ng	# 91
37) Benzo(k)fluoranthene	22.93	252	6492	0.16	ng	# 89
38) Benzo(a)pyrene	23.46	252	6124	0.17	ng	# 86
39) Dibenzo(a,h)anthracene	25.86	278	5574	0.18	ng	# 91
40) Benzo(g,h,i)perylene	26.54	276	6388	0.17	ng	# 91

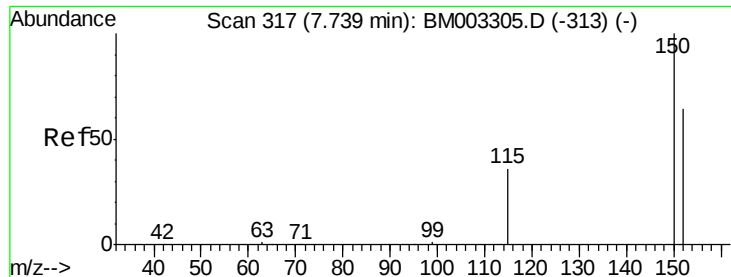
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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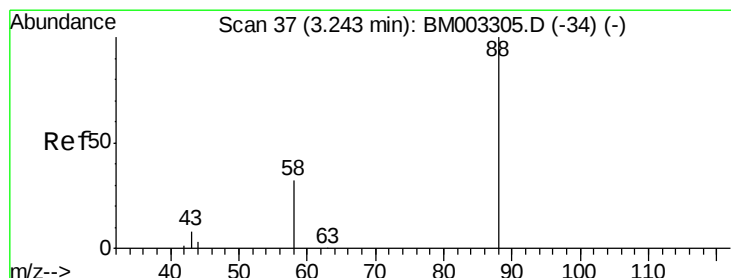
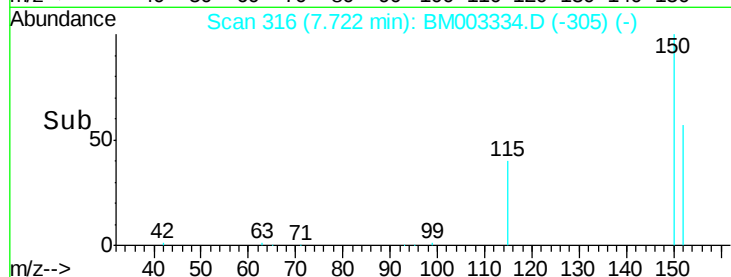
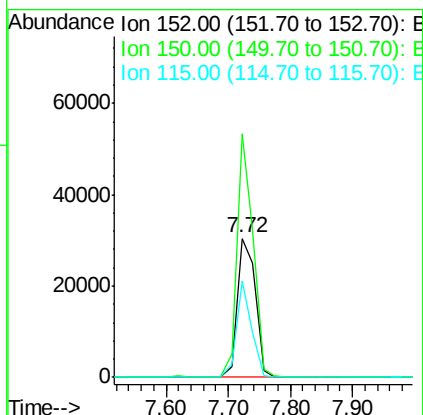
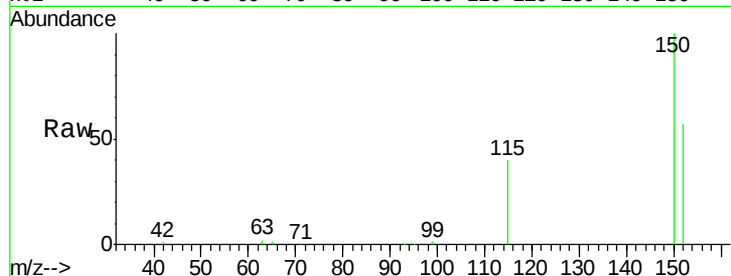




#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 7.72 min Scan# 316
 Delta R.T. -0.02 min
 Lab File: BM003334.D
 Acq: 01 Dec 2015 00:22

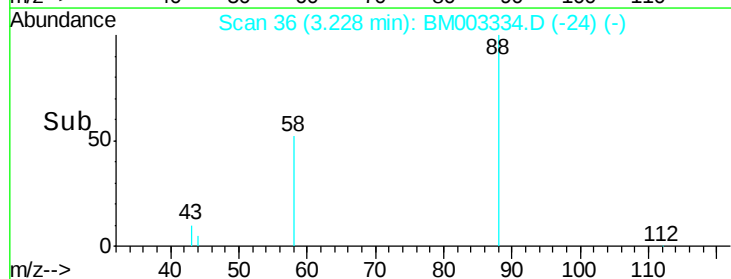
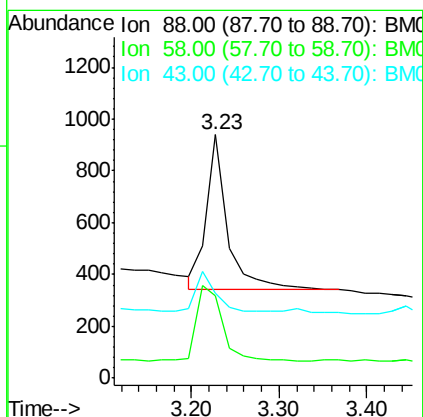
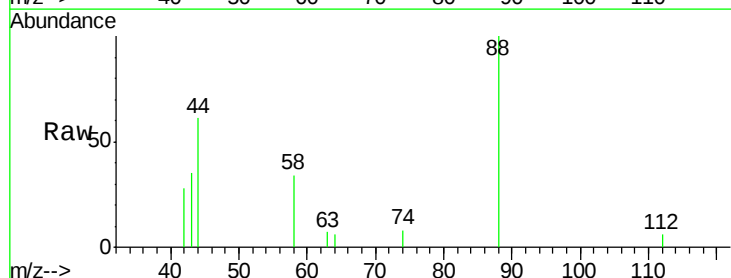
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL2015-02

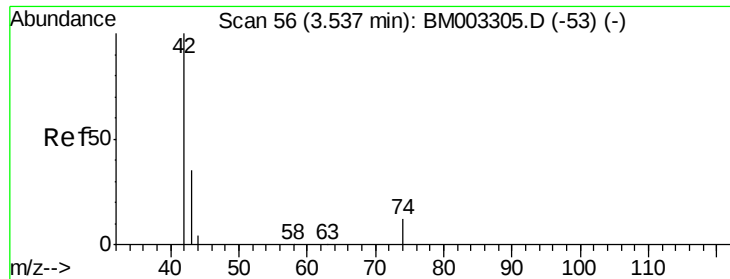
Tgt Ion: 152 Resp: 60886
 Ion Ratio Lower Upper
 152 100
 150 175.0 143.6 215.4
 115 69.5 58.5 87.7



#2
 1,4-Dioxane
 Concen: 0.11 ng
 RT: 3.23 min Scan# 36
 Delta R.T. -0.02 min
 Lab File: BM003334.D
 Acq: 01 Dec 2015 00:22

Tgt Ion: 88 Resp: 1005
 Ion Ratio Lower Upper
 88 100
 58 57.5 55.2 82.8
 43 25.2 21.8 32.6





#3

n-Nitrosodimethylamine

Concen: 0.15 ng

RT: 3.54 min Scan# 56

Delta R.T. 0.00 min

Lab File: BM003334.D

Acq: 01 Dec 2015 00:22

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL2015-02

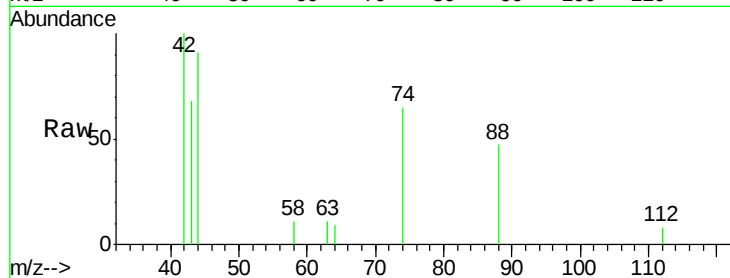
Tgt Ion: 42 Resp: 835

Ion Ratio Lower Upper

42 100

74 129.8 101.0 151.4

44 9.9 6.3 9.5#

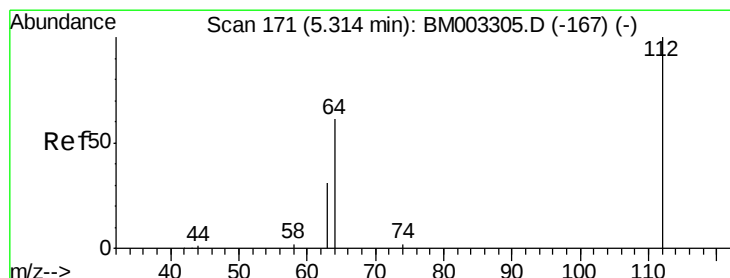
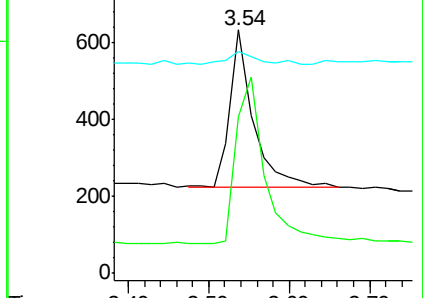
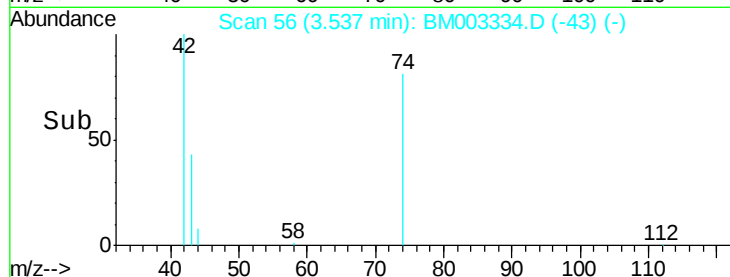


Abundance Ion 42.00 (41.70 to 42.70): BM003334.D (-43) (-)

Ion 74.00 (73.70 to 74.70): BM003334.D (-43) (-)

Ion 44.00 (43.70 to 44.70): BM003334.D (-43) (-)

Time-->



#4

2-Fluorophenol

Concen: 8.41 ng

RT: 5.31 min Scan# 171

Delta R.T. 0.00 min

Lab File: BM003334.D

Acq: 01 Dec 2015 00:22

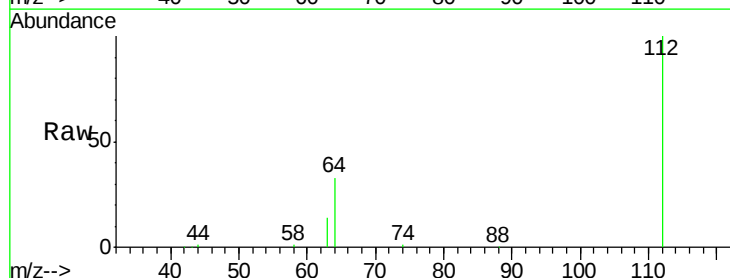
Tgt Ion: 112 Resp: 101047

Ion Ratio Lower Upper

112 100

64 51.4 41.2 61.8

63 26.7 21.2 31.8

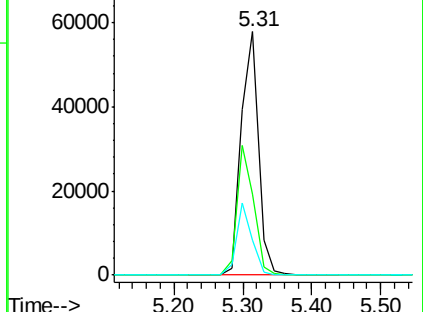
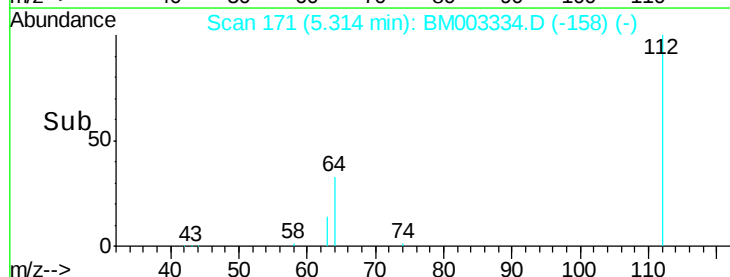


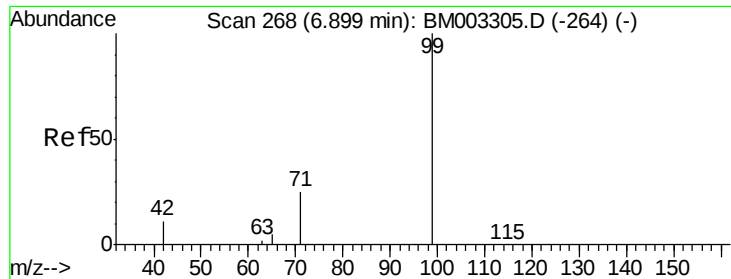
Abundance Ion 112.00 (111.70 to 112.70): BM003334.D (-158) (-)

Ion 64.00 (63.70 to 64.70): BM003334.D (-158) (-)

Ion 63.00 (62.70 to 63.70): BM003334.D (-158) (-)

Time-->





#5

Phenol-d6

Concen: 9.27 ng

RT: 6.88 min Scan# 267

Delta R.T. -0.02 min

Lab File: BM003334.D

Acq: 01 Dec 2015 00:22

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL2015-02

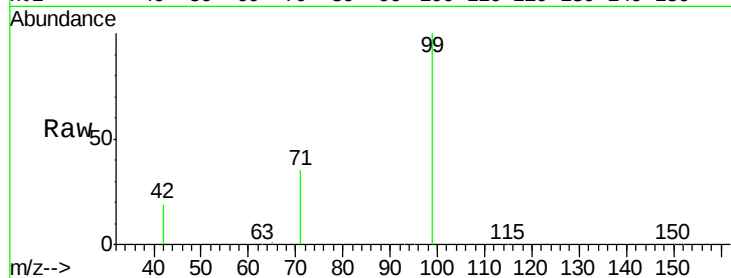
Tgt Ion: 99 Resp: 127652

Ion Ratio Lower Upper

99 100

42 17.6 14.6 22.0

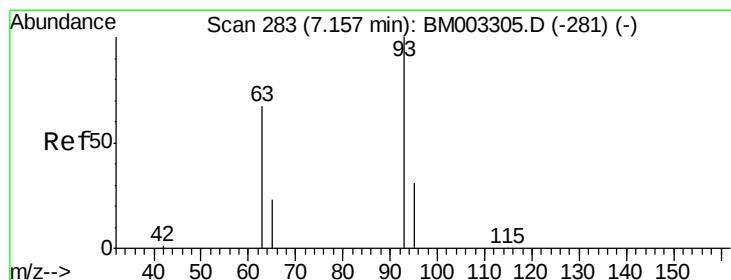
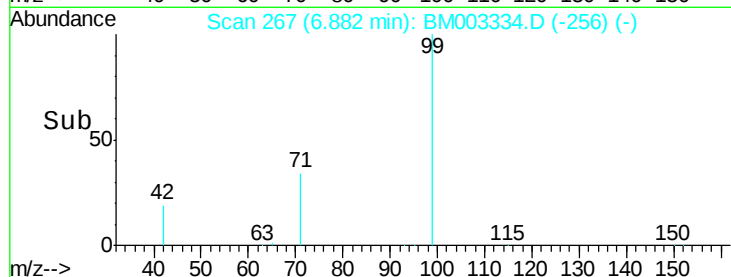
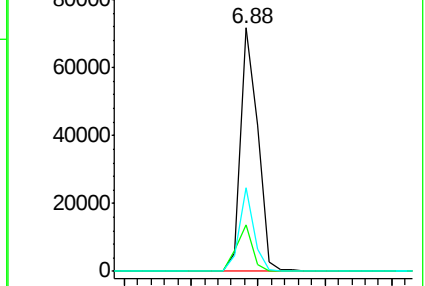
71 29.4 23.3 34.9



Abundance Ion 99.00 (98.70 to 99.70): BM003334.D (-267) (-)

Ion 42.00 (41.70 to 42.70): BM003334.D (-267) (-)

Ion 71.00 (70.70 to 71.70): BM003334.D (-267) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.16 ng

RT: 7.14 min Scan# 282

Delta R.T. -0.02 min

Lab File: BM003334.D

Acq: 01 Dec 2015 00:22

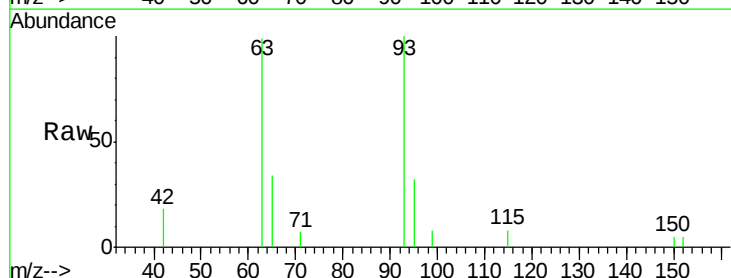
Tgt Ion: 93 Resp: 2242

Ion Ratio Lower Upper

93 100

63 75.3 58.2 87.4

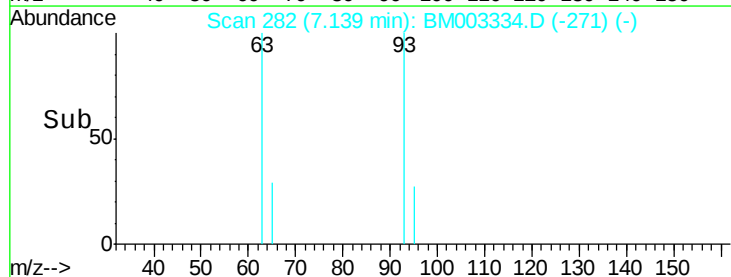
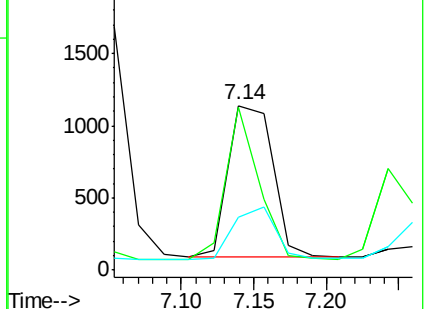
95 32.7 26.2 39.4

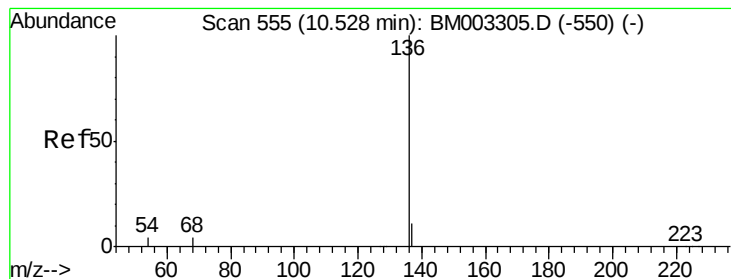


Abundance Ion 93.00 (92.70 to 93.70): BM003334.D (-282) (-)

Ion 63.00 (62.70 to 63.70): BM003334.D (-282) (-)

Ion 95.00 (94.70 to 95.70): BM003334.D (-282) (-)





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.51 min Scan# 553

Delta R.T. -0.02 min

Lab File: BM003334.D

Acq: 01 Dec 2015 00:22

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL2015-02

Tgt Ion:136 Resp: 246128

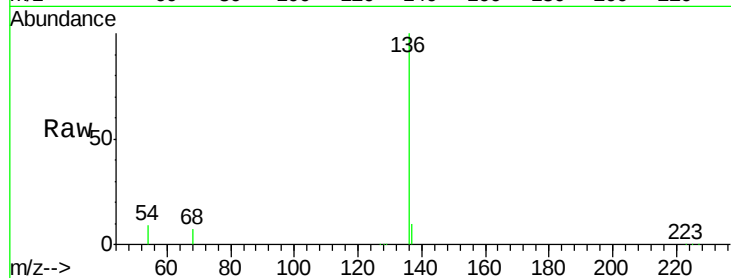
Ion Ratio Lower Upper

136 100

137 10.2 8.0 12.0

54 8.6 7.4 11.0

68 6.8 5.8 8.6

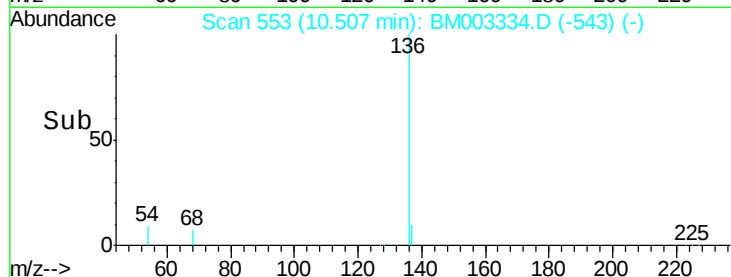


Abundance Ion 136.00 (135.70 to 136.70): E

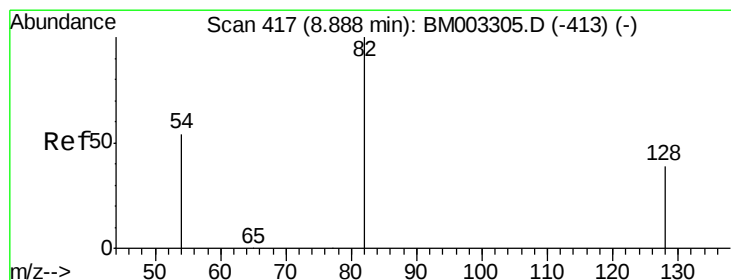
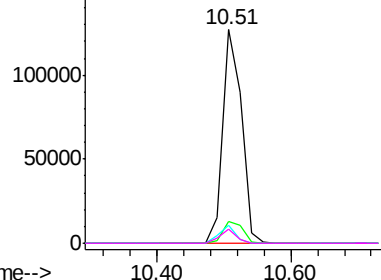
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM

Ion 68.00 (67.70 to 68.70): BM



Time-->



#8

Nitrobenzene-d5

Concen: 4.51 ng

RT: 8.88 min Scan# 416

Delta R.T. -0.00 min

Lab File: BM003334.D

Acq: 01 Dec 2015 00:22

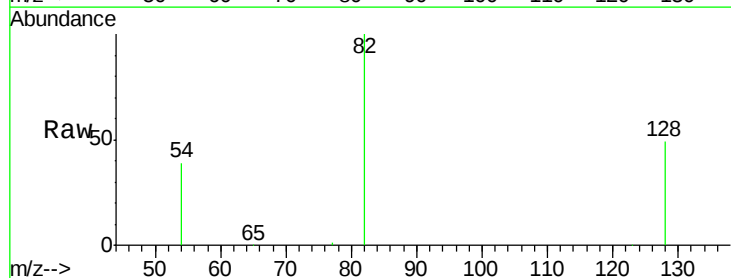
Tgt Ion: 82 Resp: 49381

Ion Ratio Lower Upper

82 100

128 48.8 35.2 52.8

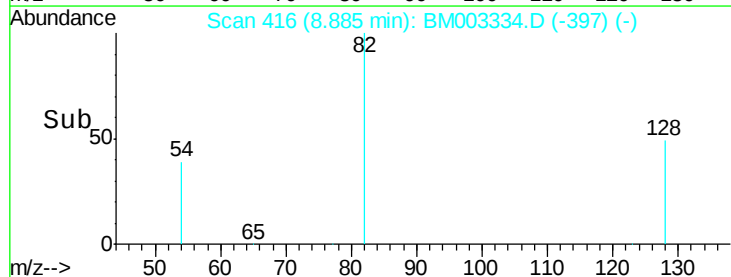
54 39.3 36.4 54.6



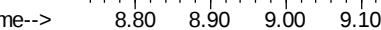
Abundance Ion 82.00 (81.70 to 82.70): BM

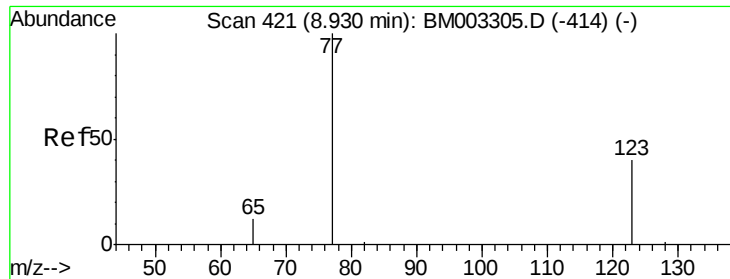
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM



Time-->





#9

Nitrobenzene

Concen: 0.18 ng

RT: 8.93 min Scan# 420

Delta R.T. -0.00 min

Lab File: BM003334.D

Acq: 01 Dec 2015 00:22

Instrument :

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ClientSampleId :

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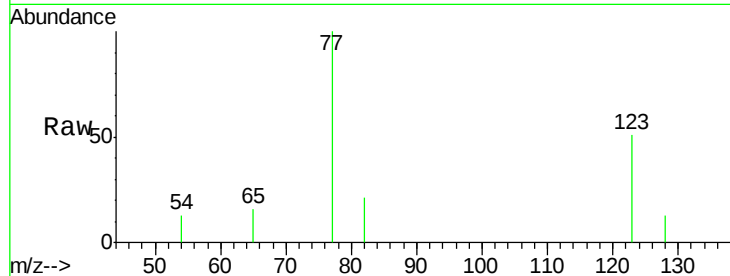
Tgt Ion: 77 Resp: 2192

Ion Ratio Lower Upper

77 100

123 44.8 37.7 56.5

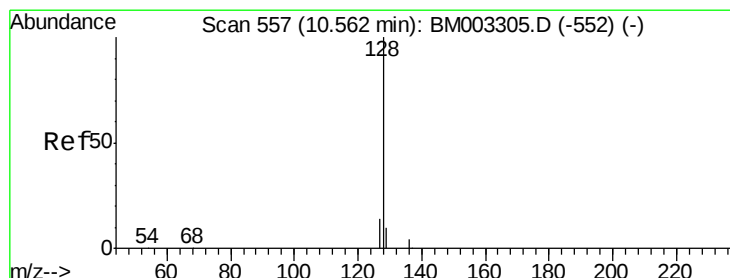
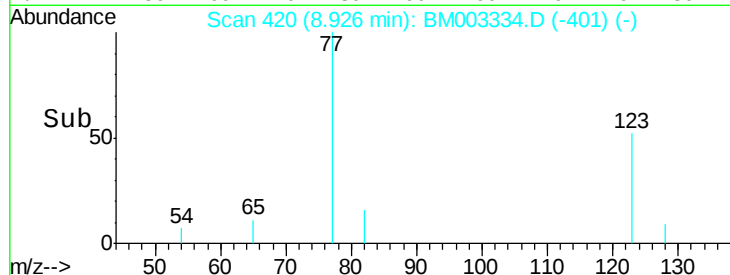
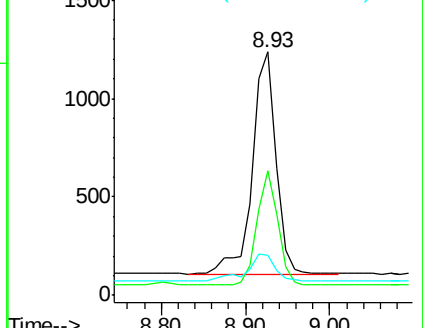
65 14.2 9.8 14.6



Abundance Ion 77.00 (76.70 to 77.70): BM003334.D (-401) (-)

Ion 123.00 (122.70 to 123.70): BM003334.D (-401) (-)

Ion 65.00 (64.70 to 65.70): BM003334.D (-401) (-)



#10

Naphthalene

Concen: 0.16 ng

RT: 10.56 min Scan# 556

Delta R.T. -0.00 min

Lab File: BM003334.D

Acq: 01 Dec 2015 00:22

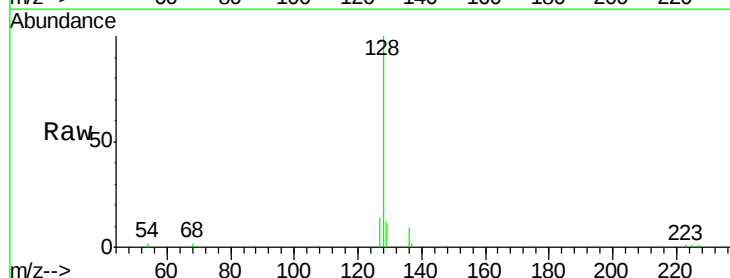
Tgt Ion: 128 Resp: 8512

Ion Ratio Lower Upper

128 100

129 11.7 8.5 12.7

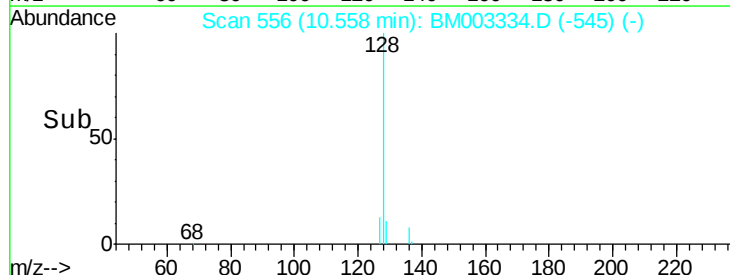
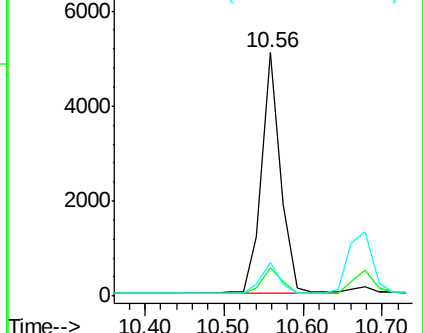
127 13.8 10.6 16.0

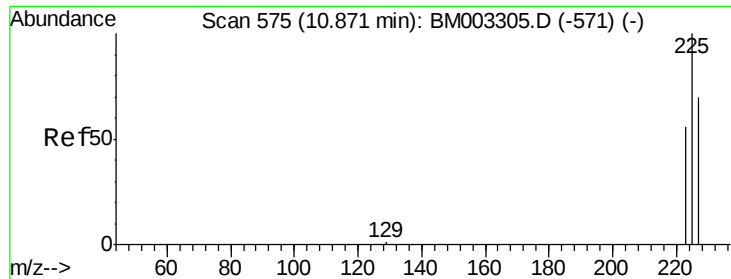


Abundance Ion 128.00 (127.70 to 128.70): BM003334.D (-545) (-)

Ion 129.00 (128.70 to 129.70): BM003334.D (-545) (-)

Ion 127.00 (126.70 to 127.70): BM003334.D (-545) (-)

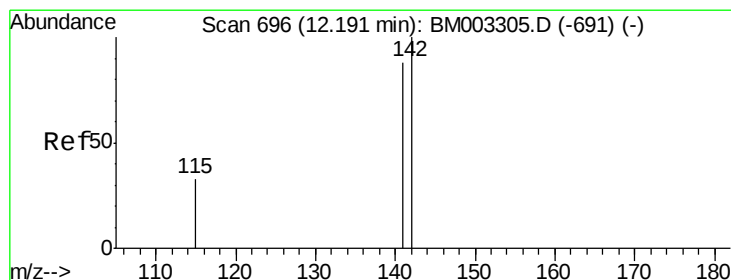
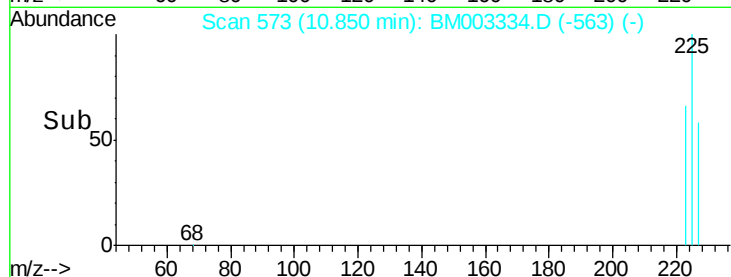
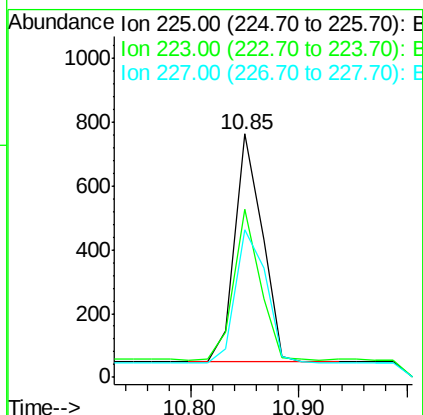
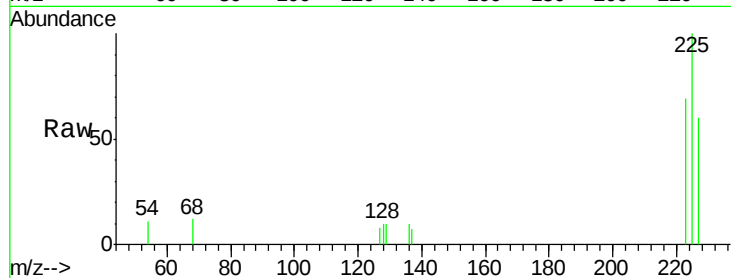




#11
Hexachlorobutadiene
Concen: 0.15 ng
RT: 10.85 min Scan# 573
Delta R.T. -0.02 min
Lab File: BM003334.D
Acq: 01 Dec 2015 00:22

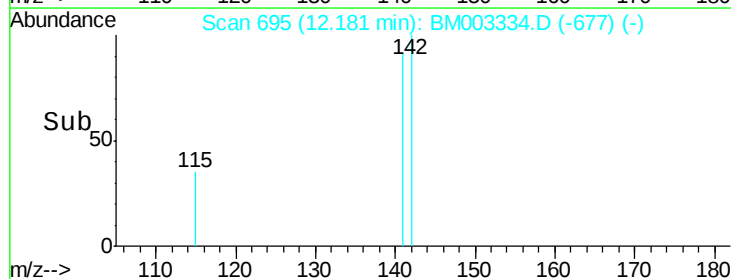
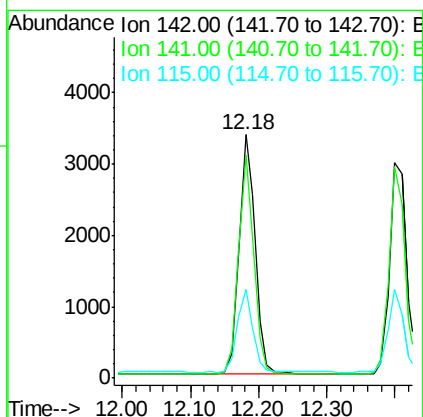
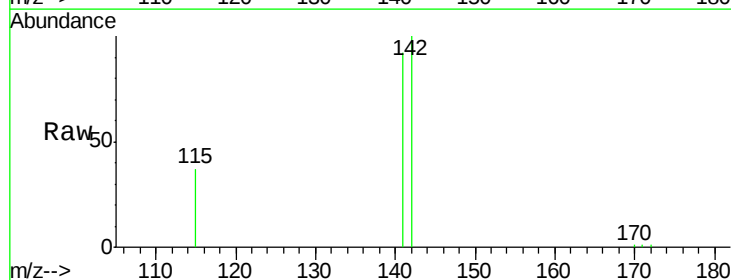
Instrument :
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LOQ-SOIL2015-02

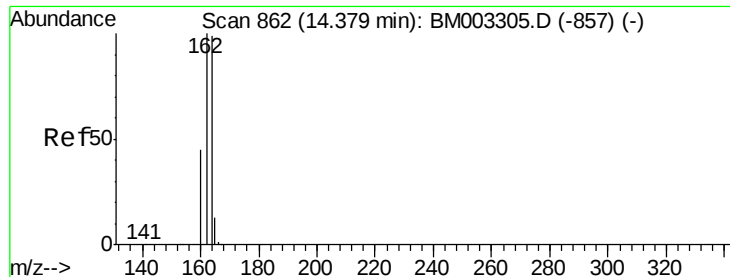
Tgt Ion: 225 Resp: 1252
Ion Ratio Lower Upper
225 100
223 62.5 53.0 79.4
227 63.3 52.2 78.4



#12
2-Methylnaphthalene
Concen: 0.16 ng
RT: 12.18 min Scan# 695
Delta R.T. -0.01 min
Lab File: BM003334.D
Acq: 01 Dec 2015 00:22

Tgt Ion: 142 Resp: 5502
Ion Ratio Lower Upper
142 100
141 91.5 72.2 108.2
115 36.6 28.0 42.0





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.38 min Scan# 862

Delta R.T. -0.00 min

Lab File: BM003334.D

Acq: 01 Dec 2015 00:22

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL2015-02

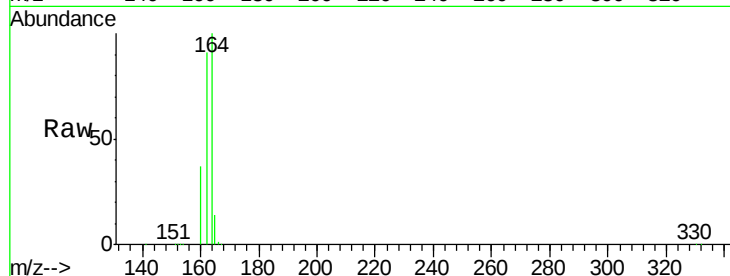
Tgt Ion:164 Resp: 123373

Ion Ratio Lower Upper

164 100

162 91.3 78.3 117.5

160 37.1 33.8 50.6

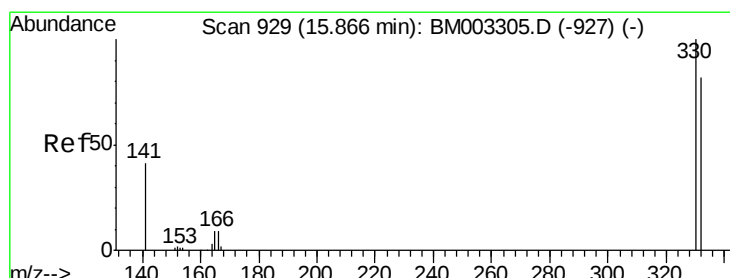
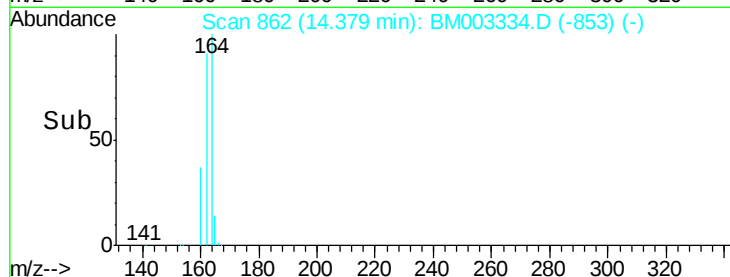
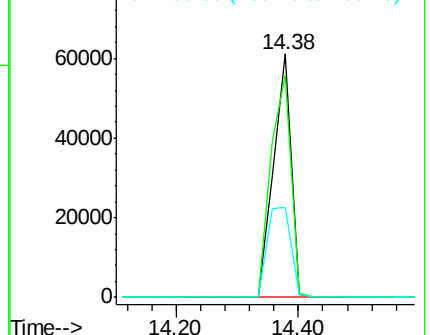


Abundance

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: 9.99 ng

RT: 15.87 min Scan# 929

Delta R.T. 0.00 min

Lab File: BM003334.D

Acq: 01 Dec 2015 00:22

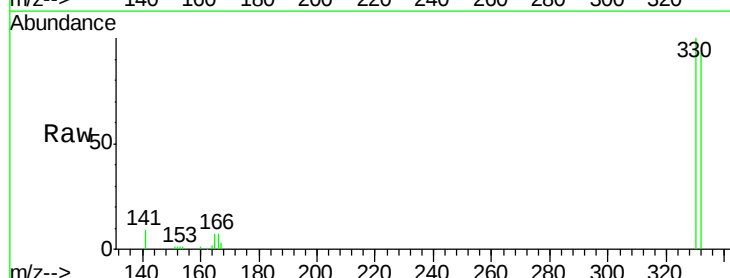
Tgt Ion:330 Resp: 28792

Ion Ratio Lower Upper

330 100

332 94.2 76.0 114.0

141 0.0 0.0 0.0

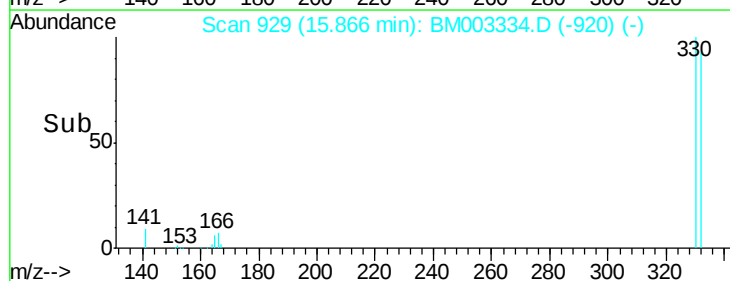
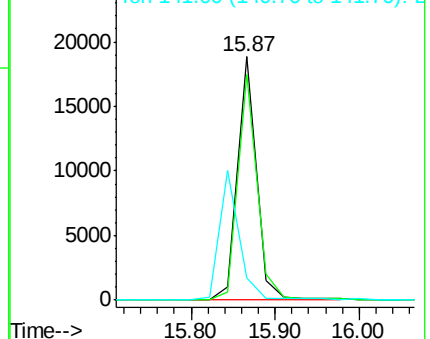


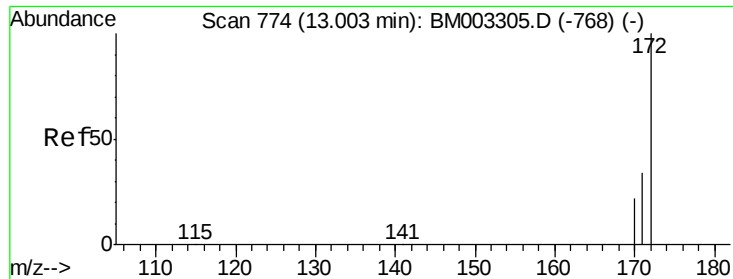
Abundance

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

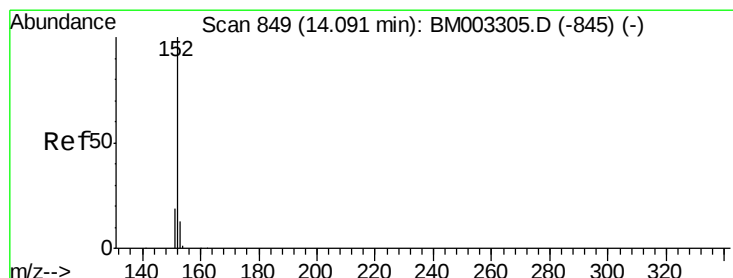
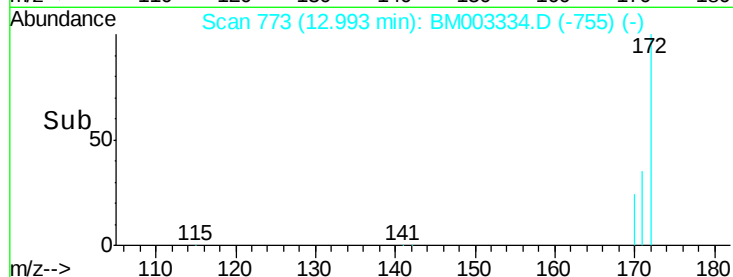
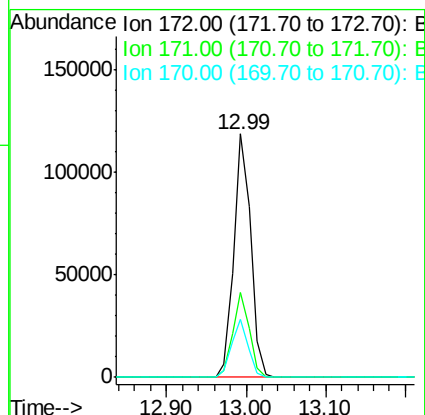
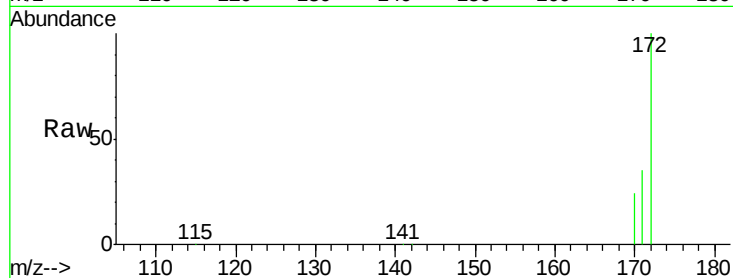




#15
2-Fluorobiphenyl
Concen: 4.38 ng
RT: 12.99 min Scan# 773
Delta R.T. -0.01 min
Lab File: BM003334.D
Acq: 01 Dec 2015 00:22

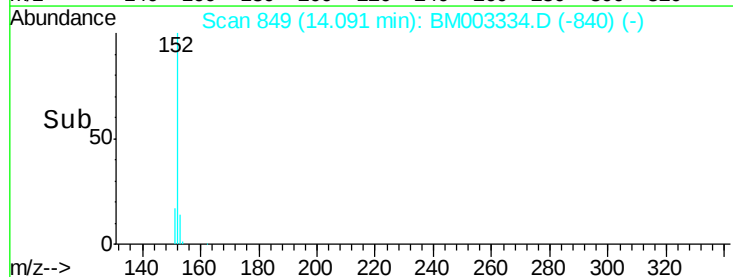
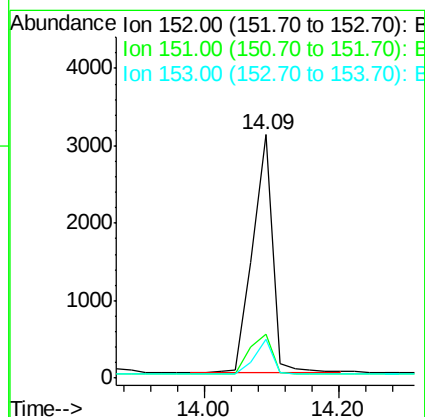
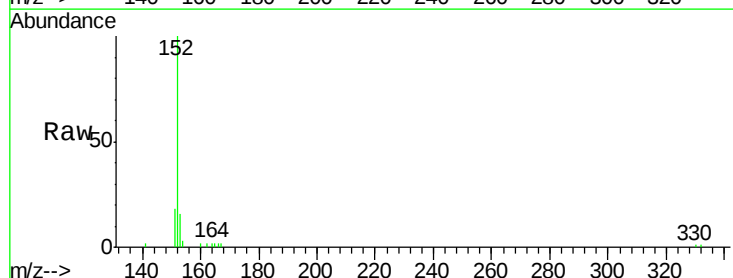
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL2015-02

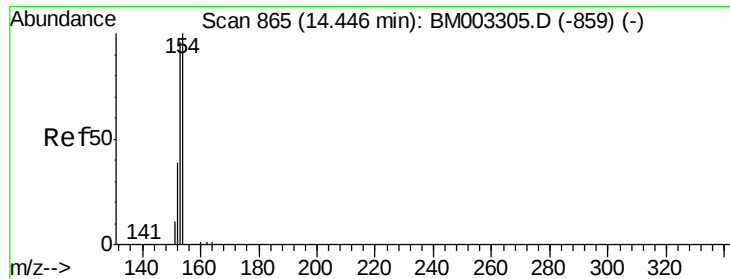
Tgt Ion:172 Resp: 174517
Ion Ratio Lower Upper
172 100
171 34.9 28.0 42.0
170 23.7 18.9 28.3



#16
Acenaphthylene
Concen: 0.14 ng
RT: 14.09 min Scan# 849
Delta R.T. -0.00 min
Lab File: BM003334.D
Acq: 01 Dec 2015 00:22

Tgt Ion:152 Resp: 6382
Ion Ratio Lower Upper
152 100
151 18.7 15.2 22.8
153 13.2 10.4 15.6





#17

Acenaphthene

Concen: 0.16 ng

RT: 14.42 min Scan# 864

Delta R.T. -0.02 min

Lab File: BM003334.D

Acq: 01 Dec 2015 00:22

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL2015-02

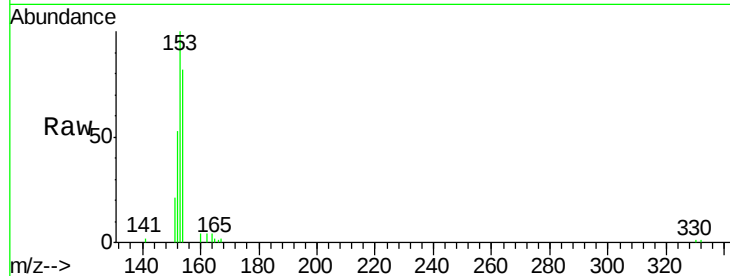
Tgt Ion:154 Resp: 5741

Ion Ratio Lower Upper

154 100

153 104.1 0.0 0.0#

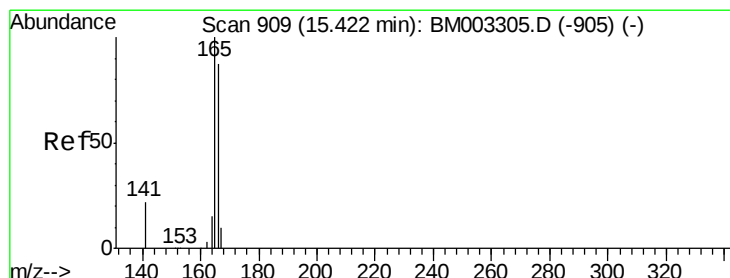
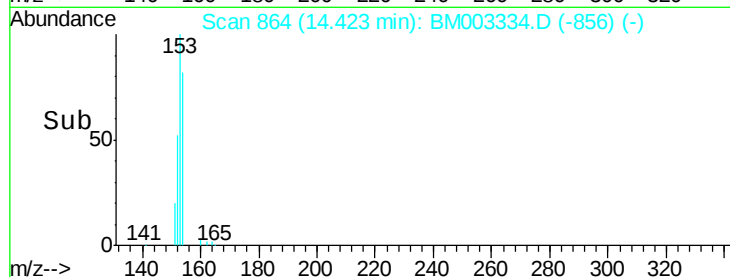
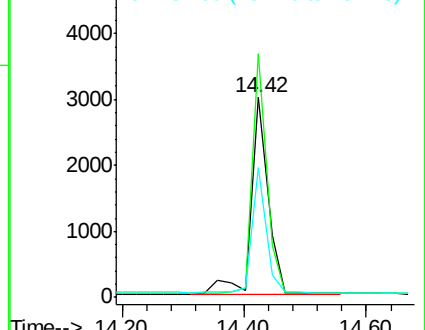
152 52.7 0.0 0.0#



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: 0.18 ng

RT: 15.42 min Scan# 909

Delta R.T. -0.00 min

Lab File: BM003334.D

Acq: 01 Dec 2015 00:22

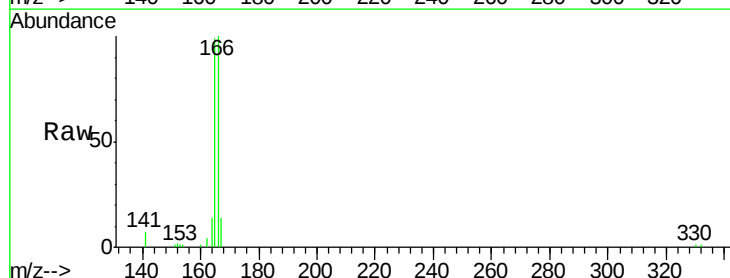
Tgt Ion:166 Resp: 6461

Ion Ratio Lower Upper

166 100

165 97.8 80.8 121.2

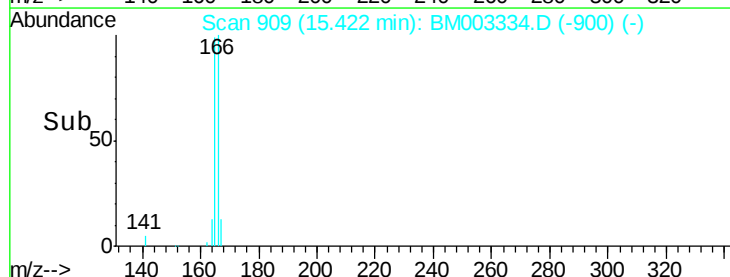
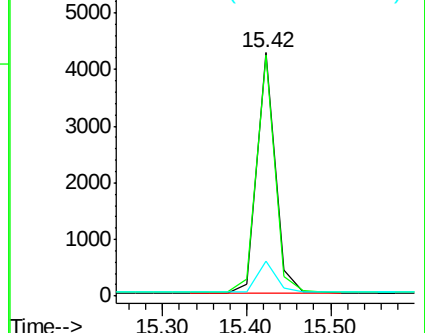
167 13.3 10.5 15.7

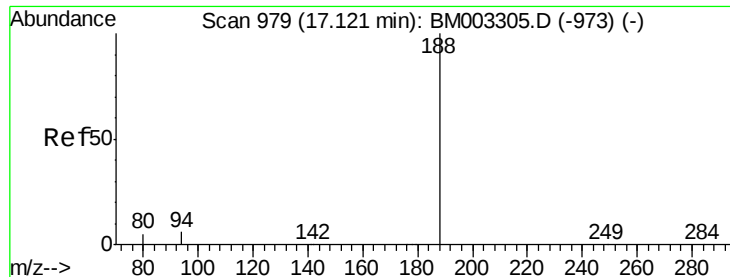


Abundance Ion 166.00 (165.70 to 166.70): E

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. -0.00 min

Lab File: BM003334.D

Acq: 01 Dec 2015 00:22

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL2015-02

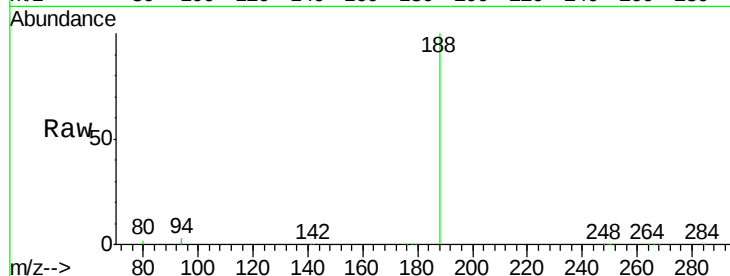
Tgt Ion:188 Resp: 252551

Ion Ratio Lower Upper

188 100

94 2.7 1.8 2.6#

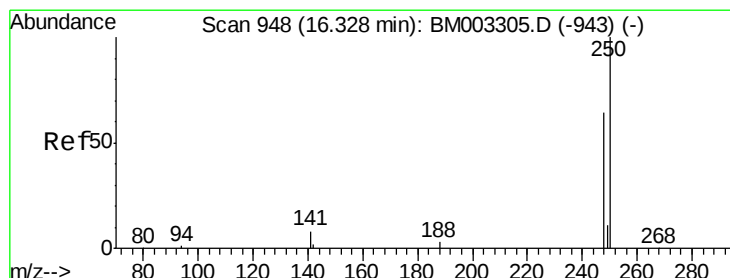
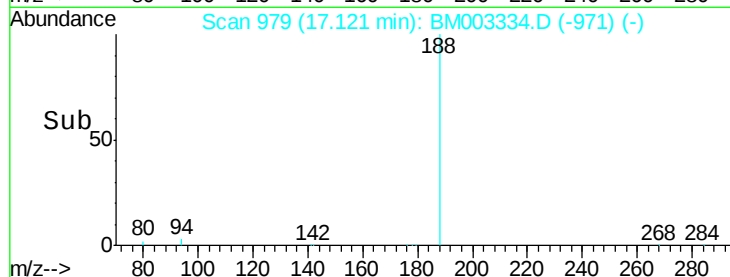
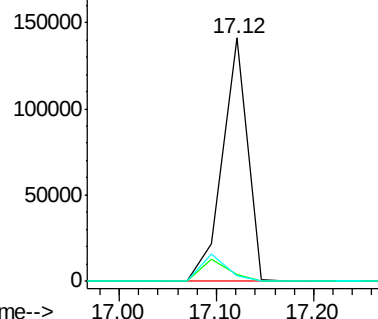
80 2.1 1.4 2.0#



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: 0.38 ng

RT: 16.30 min Scan# 947

Delta R.T. -0.03 min

Lab File: BM003334.D

Acq: 01 Dec 2015 00:22

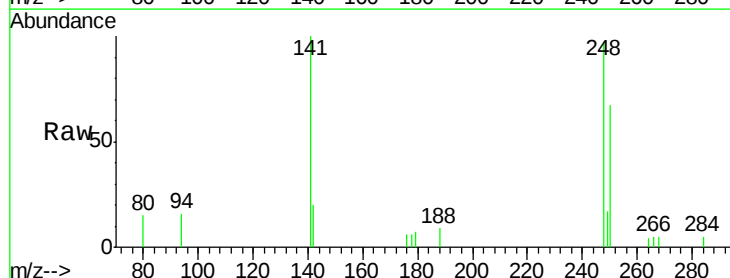
Tgt Ion:248 Resp: 1696

Ion Ratio Lower Upper

248 100

250 81.2 65.4 98.0

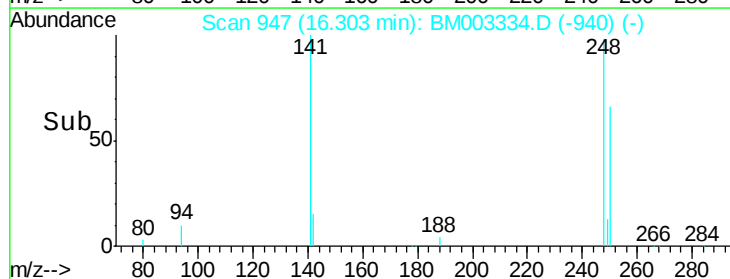
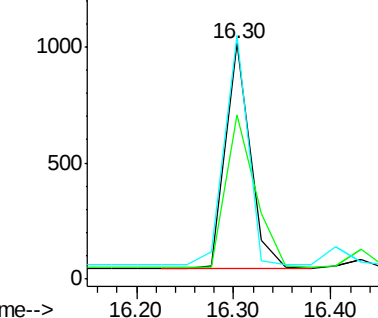
141 95.9 72.8 109.2

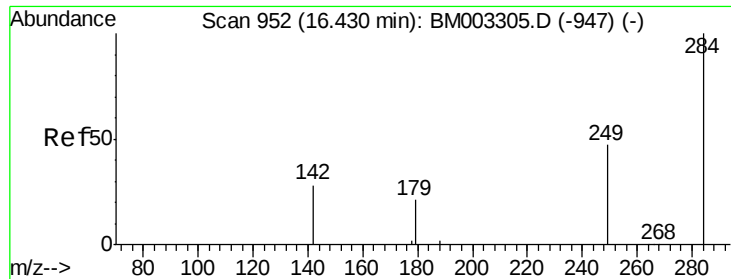


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

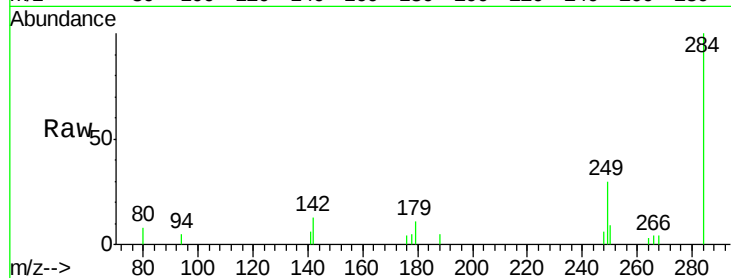




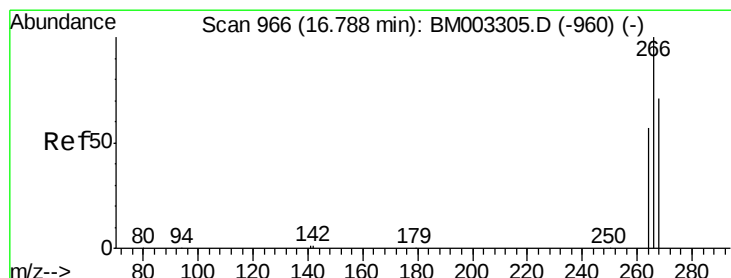
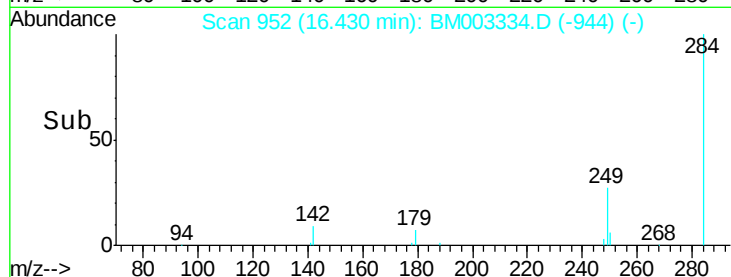
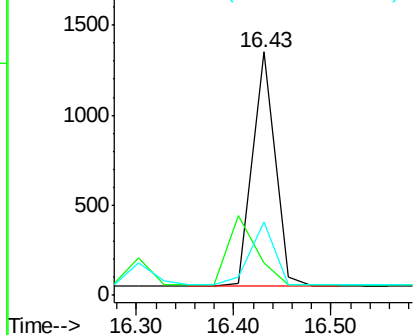
#21
Hexachlorobenzene
Concen: 0.24 ng
RT: 16.43 min Scan# 952
Delta R.T. -0.00 min
Lab File: BM003334.D
Acq: 01 Dec 2015 00:22

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion: 284 Resp: 2096
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 29.6 19.4 29.2#

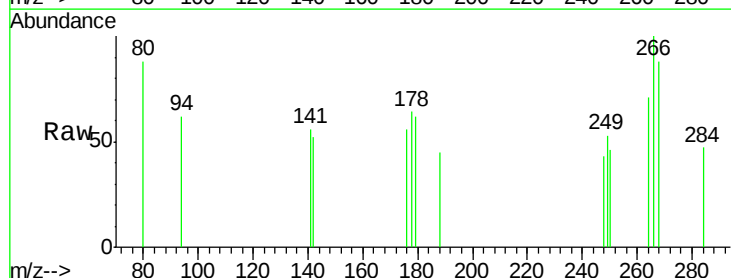


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

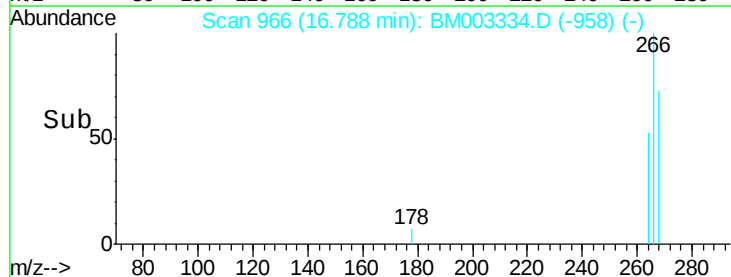
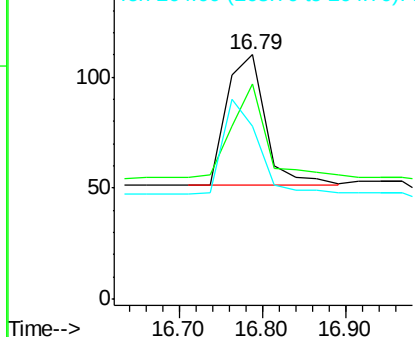


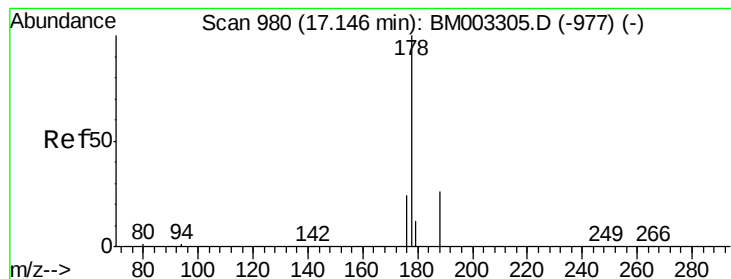
#22
Pentachlorophenol
Concen: 0.16 ng
RT: 16.79 min Scan# 966
Delta R.T. 0.00 min
Lab File: BM003334.D
Acq: 01 Dec 2015 00:22

Tgt Ion: 266 Resp: 193
Ion Ratio Lower Upper
266 100
268 88.2 45.8 68.8#
264 70.9 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: 0.28 ng

RT: 17.15 min Scan# 980

Delta R.T. 0.00 min

Lab File: BM003334.D

Acq: 01 Dec 2015 00:22

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL2015-02

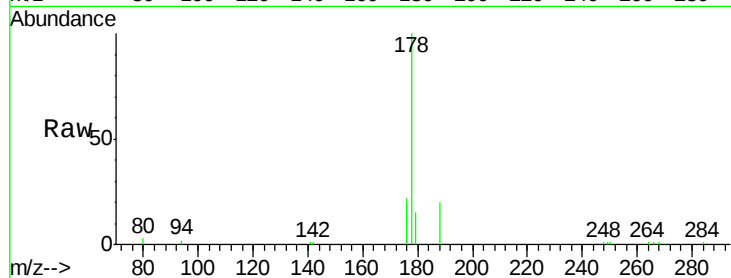
Tgt Ion:178 Resp: 10534

Ion Ratio Lower Upper

178 100

176 20.2 15.9 23.9

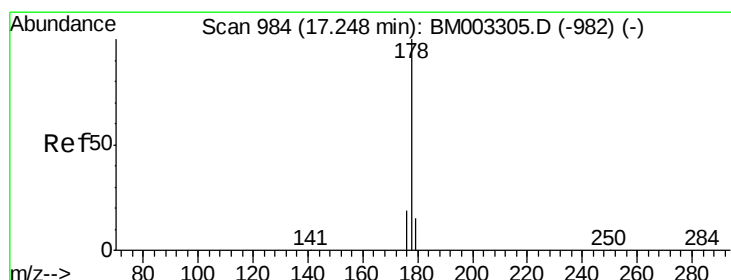
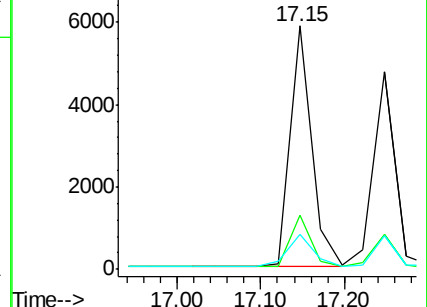
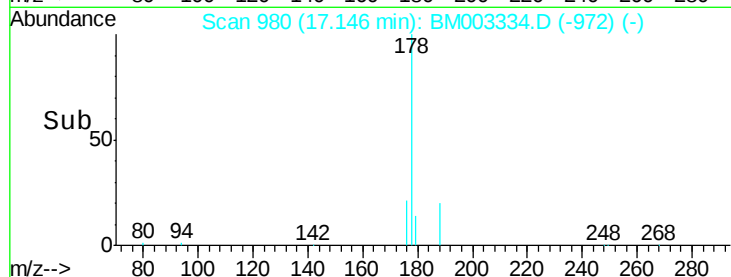
179 16.2 11.7 17.5



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: 0.18 ng

RT: 17.25 min Scan# 984

Delta R.T. -0.00 min

Lab File: BM003334.D

Acq: 01 Dec 2015 00:22

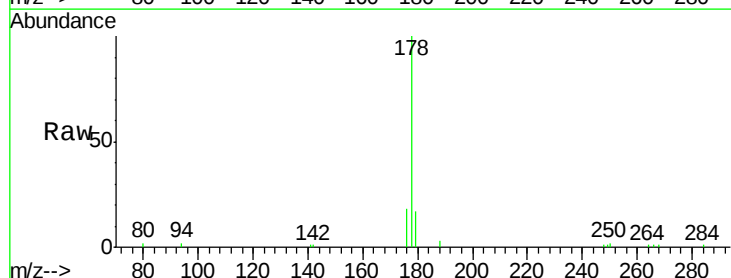
Tgt Ion:178 Resp: 8339

Ion Ratio Lower Upper

178 100

176 17.8 14.1 21.1

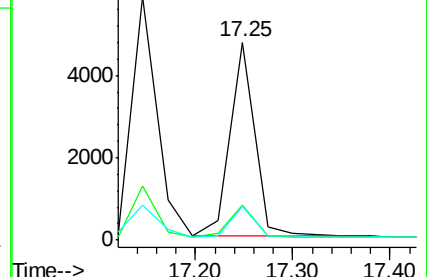
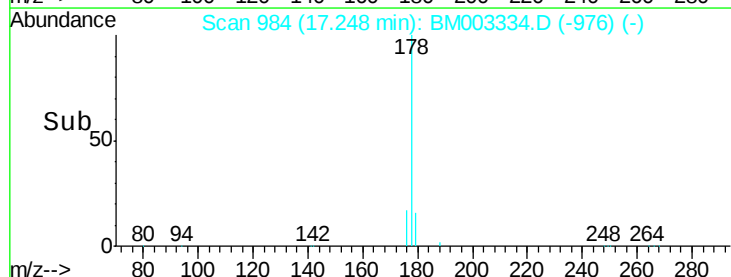
179 15.9 12.8 19.2

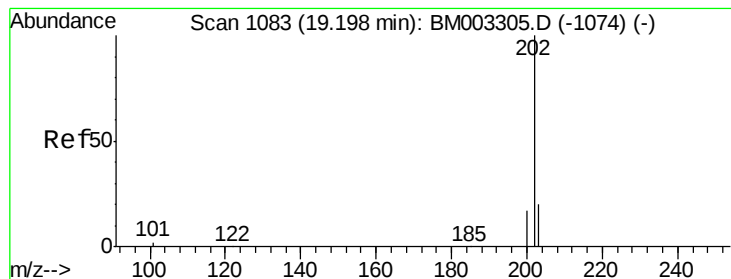


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene

Concen: 0.16 ng

RT: 19.18 min Scan# 1082

Delta R.T. -0.02 min

Lab File: BM003334.D

Acq: 01 Dec 2015 00:22

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL2015-02

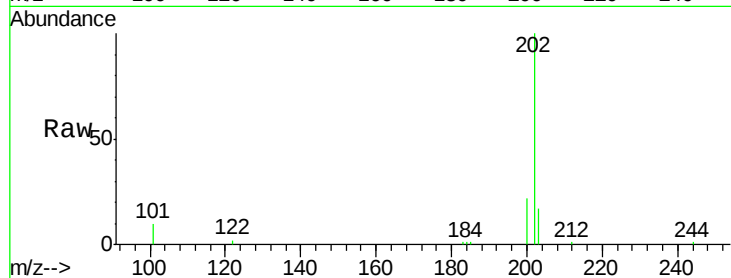
Tgt Ion:202 Resp: 8851

Ion Ratio Lower Upper

202 100

101 12.3 9.9 14.9

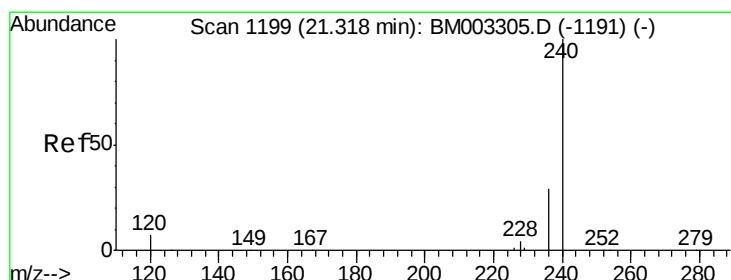
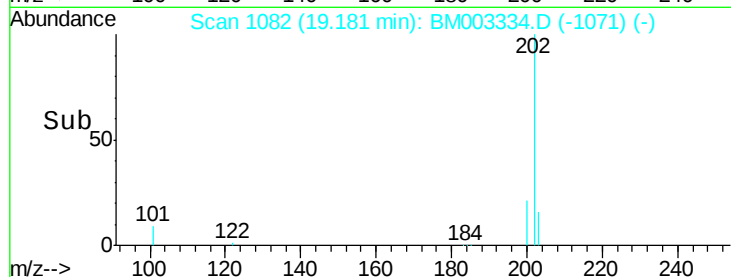
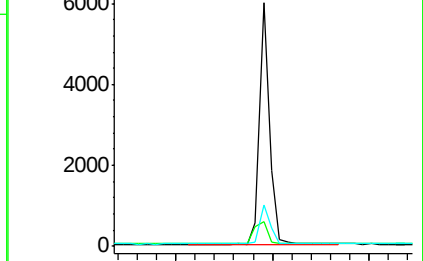
203 17.6 13.9 20.9



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. -0.00 min

Lab File: BM003334.D

Acq: 01 Dec 2015 00:22

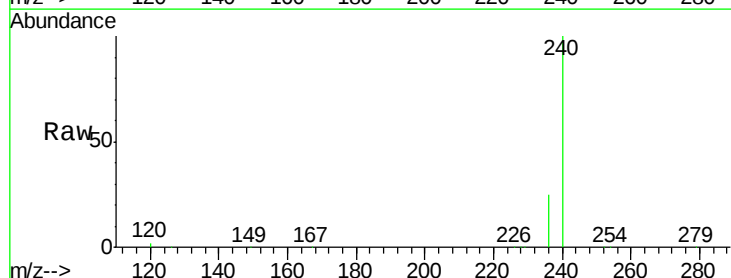
Tgt Ion:240 Resp: 190408

Ion Ratio Lower Upper

240 100

120 2.1 1.0 1.4#

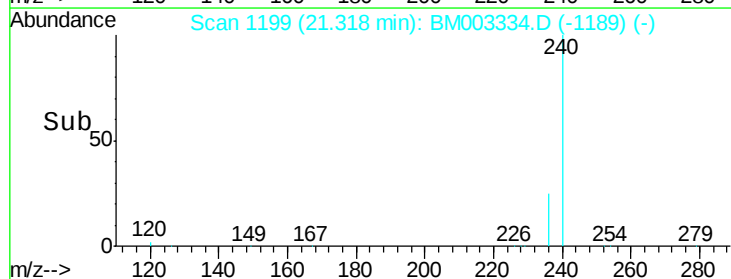
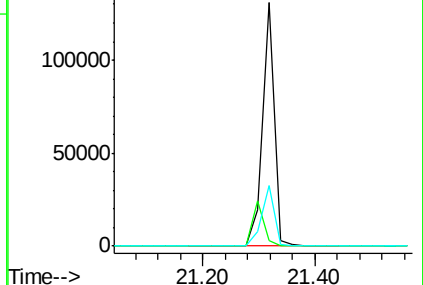
236 25.0 17.9 26.9

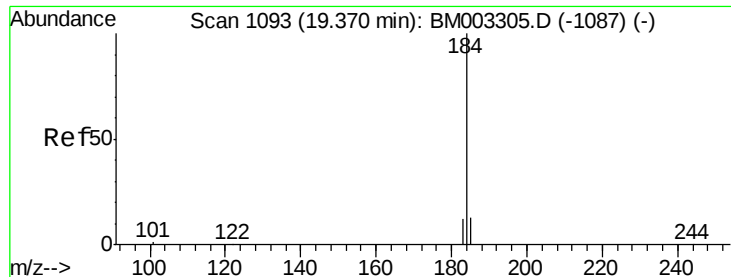


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

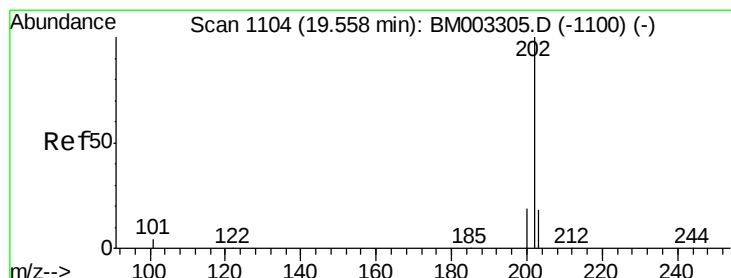
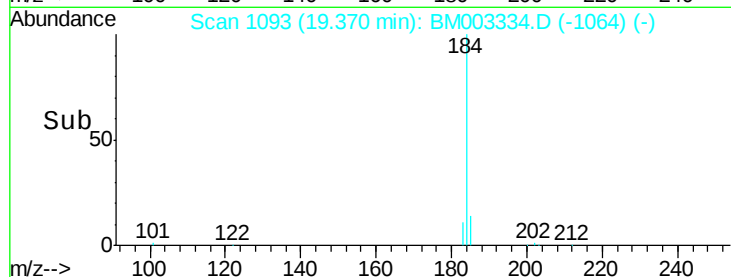
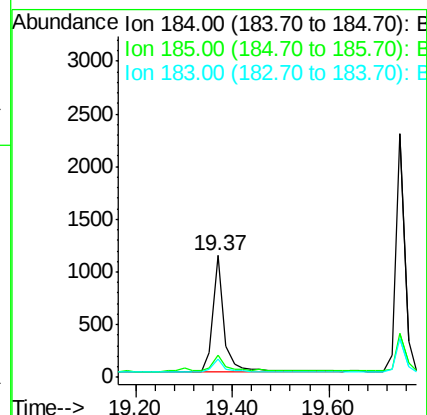
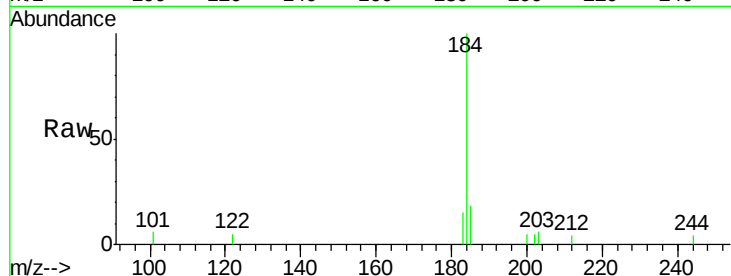




#27
Benzidine
Concen: 0.35 ng
RT: 19.37 min Scan# 1093
Delta R.T. 0.00 min
Lab File: BM003334.D
Acq: 01 Dec 2015 00:22

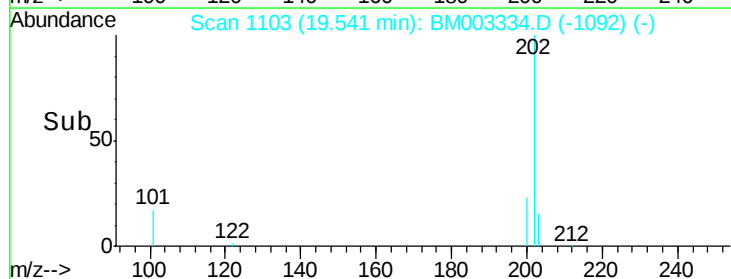
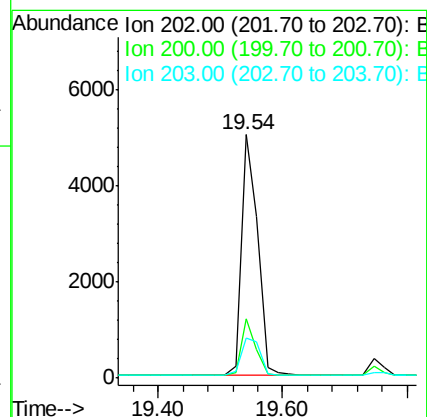
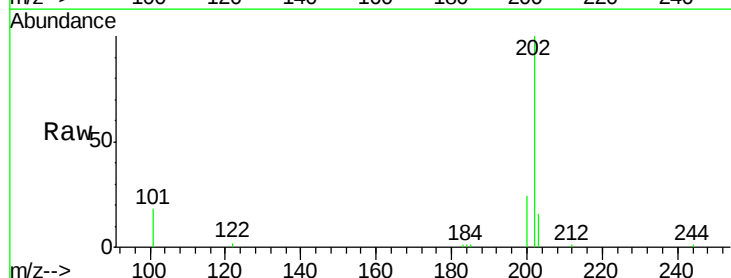
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL2015-02

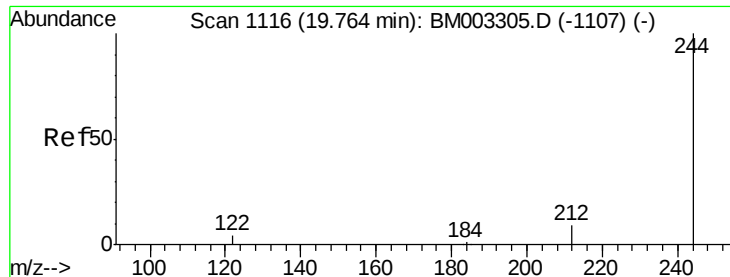
Tgt Ion:184 Resp: 1865
Ion Ratio Lower Upper
184 100
185 18.3 11.6 17.4#
183 14.9 8.6 13.0#



#28
Pyrene
Concen: 0.16 ng
RT: 19.54 min Scan# 1103
Delta R.T. -0.02 min
Lab File: BM003334.D
Acq: 01 Dec 2015 00:22

Tgt Ion:202 Resp: 9094
Ion Ratio Lower Upper
202 100
200 20.9 16.7 25.1
203 18.3 13.8 20.6





#29

Terphenyl-d14

Concen: 4.39 ng

RT: 19.76 min Scan# 1116

Delta R.T. -0.00 min

Lab File: BM003334.D

Acq: 01 Dec 2015 00:22

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL2015-02

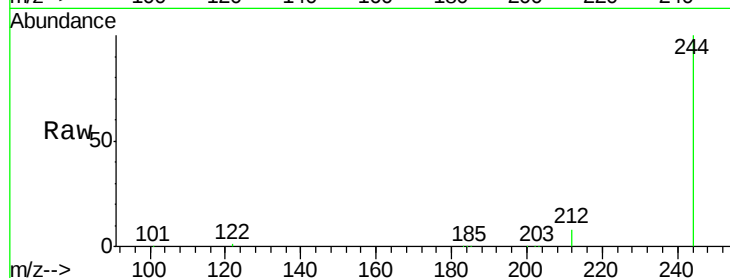
Tgt Ion:244 Resp: 116376

Ion Ratio Lower Upper

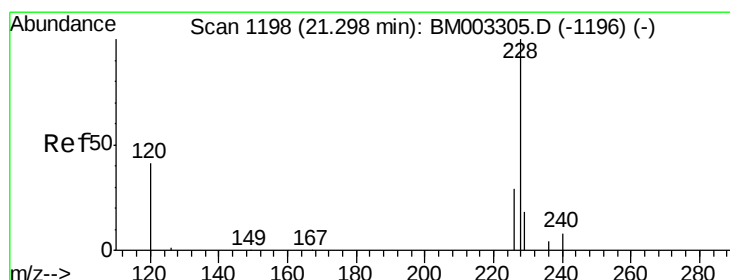
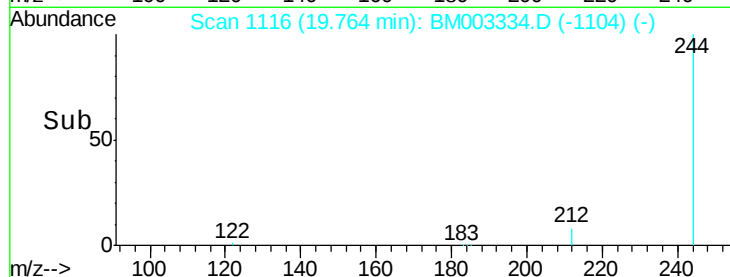
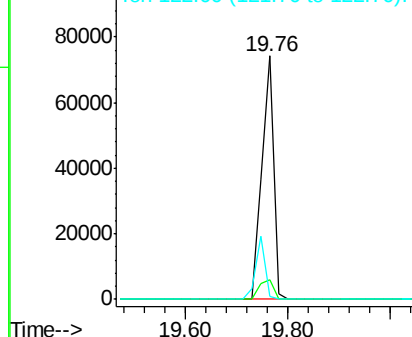
244 100

212 8.2 6.5 9.7

122 1.4 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: 0.16 ng

RT: 21.30 min Scan# 1198

Delta R.T. -0.00 min

Lab File: BM003334.D

Acq: 01 Dec 2015 00:22

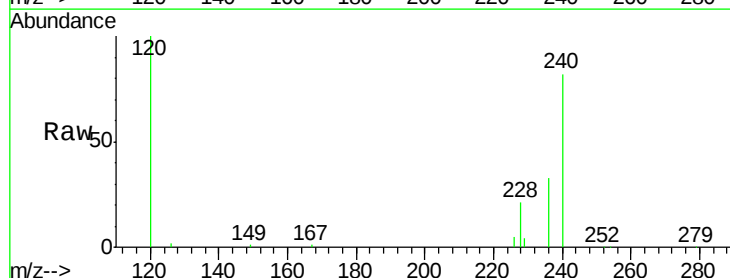
Tgt Ion:228 Resp: 7698

Ion Ratio Lower Upper

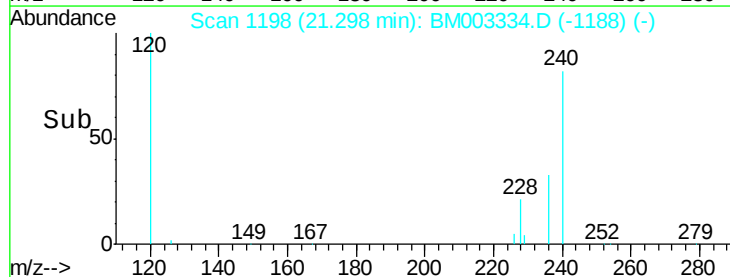
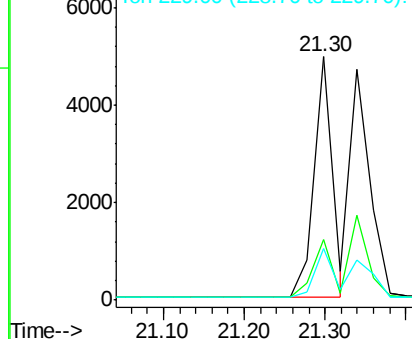
228 100

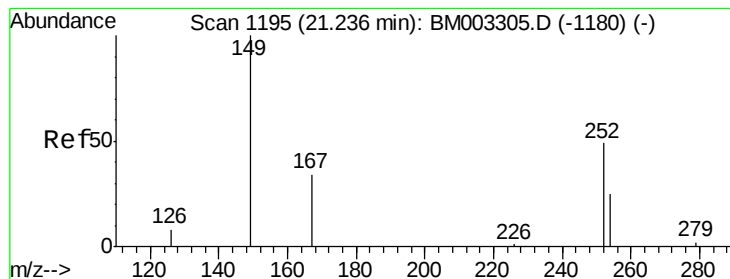
226 24.8 17.8 26.6

229 21.4 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: 0.35 ng

RT: 21.24 min Scan# 1195

Delta R.T. 0.00 min

Lab File: BM003334.D

Acq: 01 Dec 2015 00:22

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL2015-02

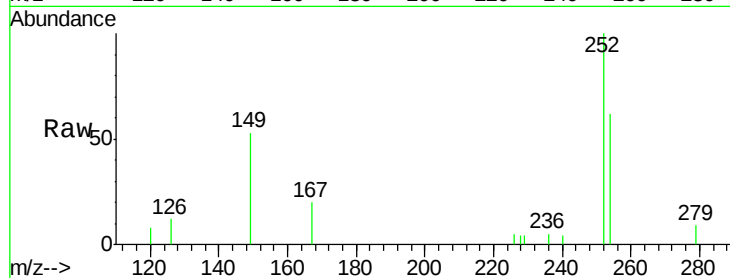
Tgt Ion:252 Resp: 1904

Ion Ratio Lower Upper

252 100

254 62.3 53.7 80.5

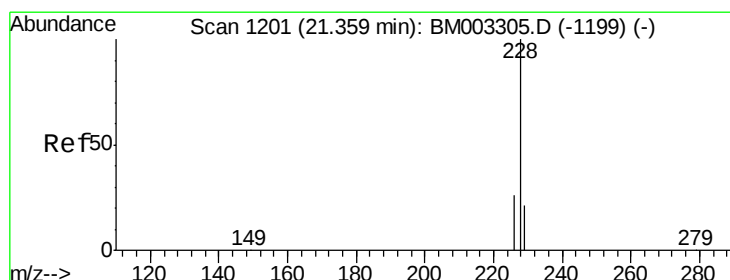
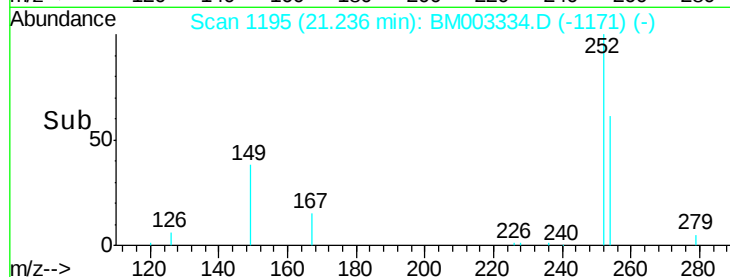
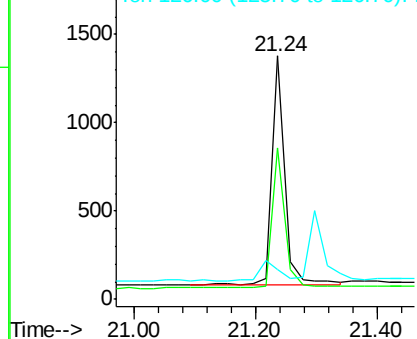
126 12.4 2.8 4.2#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



#32

Chrysene

Concen: 0.15 ng

RT: 21.30 min Scan# 1198

Delta R.T. -0.06 min

Lab File: BM003334.D

Acq: 01 Dec 2015 00:22

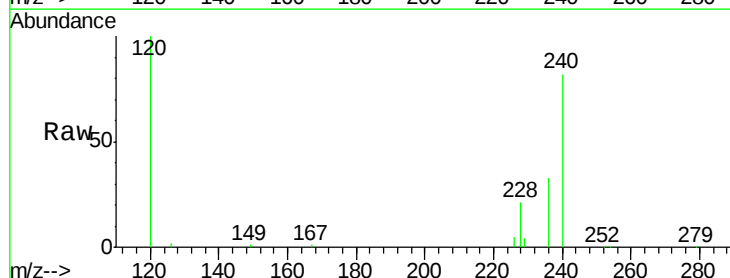
Tgt Ion:228 Resp: 7686

Ion Ratio Lower Upper

228 100

226 24.8 25.5 38.3#

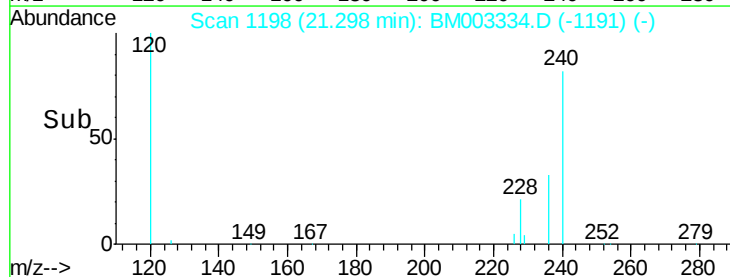
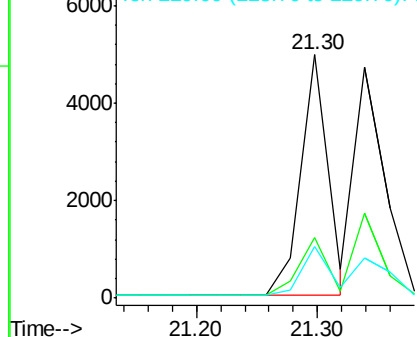
229 21.4 14.3 21.5

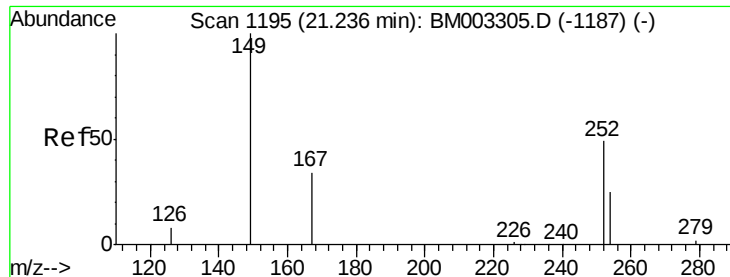


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#33

Bis(2-ethylhexyl)phthalate

Concen: 0.20 ng

RT: 21.22 min Scan# 1194

Delta R.T. -0.02 min

Lab File: BM003334.D

Acq: 01 Dec 2015 00:22

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL2015-02

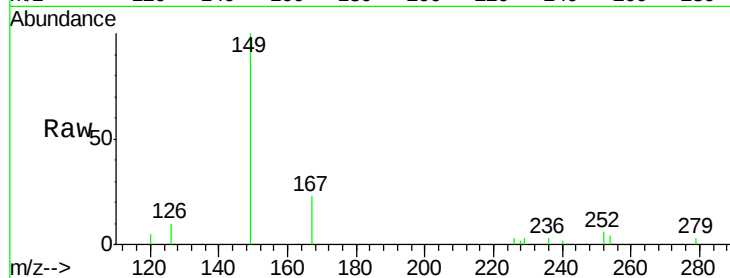
Tgt Ion:149 Resp: 2983

Ion Ratio Lower Upper

149 100

167 24.7 19.6 29.4

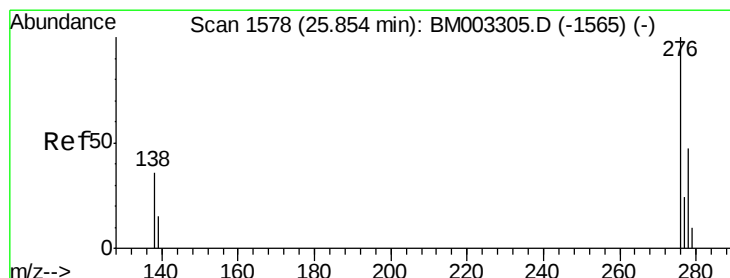
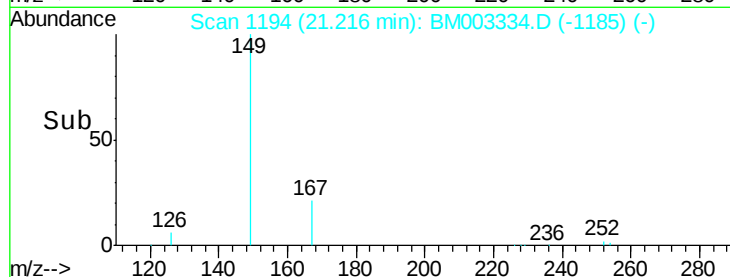
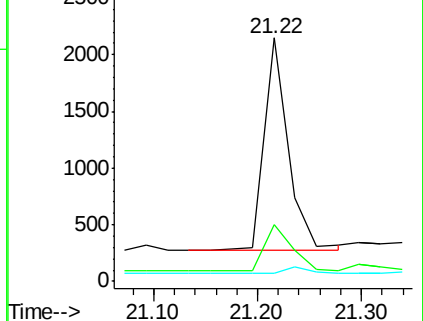
279 0.0 0.0 0.0



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: 0.16 ng

RT: 25.84 min Scan# 1567

Delta R.T. -0.01 min

Lab File: BM003334.D

Acq: 01 Dec 2015 00:22

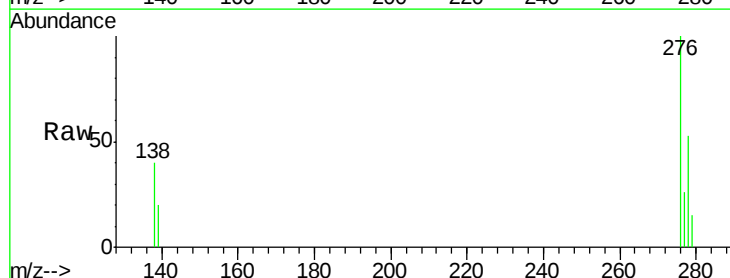
Tgt Ion:276 Resp: 6922

Ion Ratio Lower Upper

276 100

138 37.1 19.1 28.7#

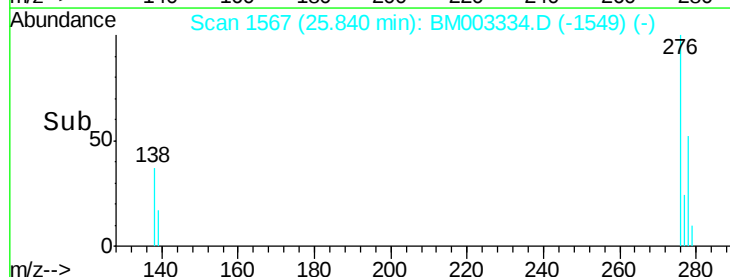
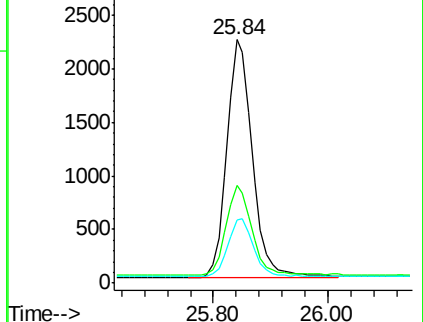
277 25.0 15.9 23.9#

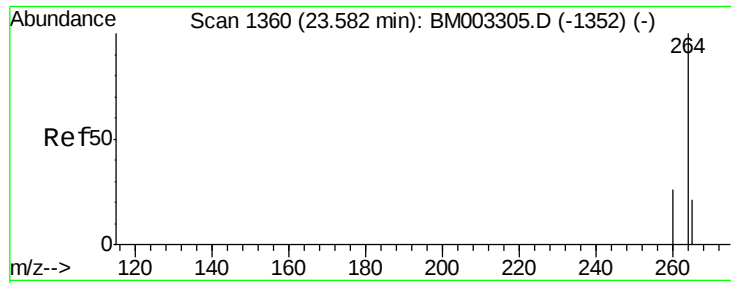


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

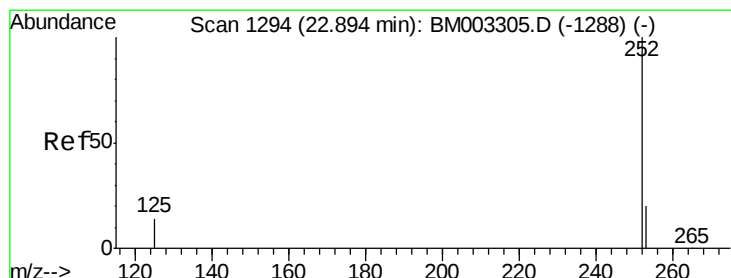
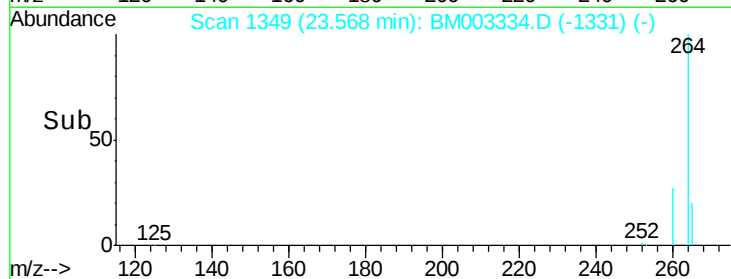
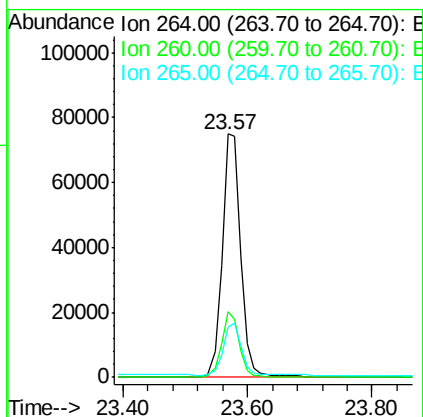
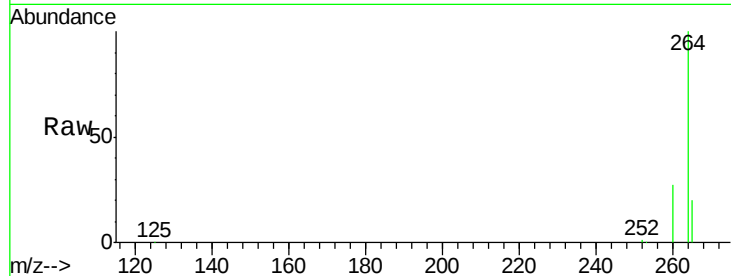




#35
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.57 min Scan# 1349
 Delta R.T. -0.01 min
 Lab File: BM003334.D
 Acq: 01 Dec 2015 00:22

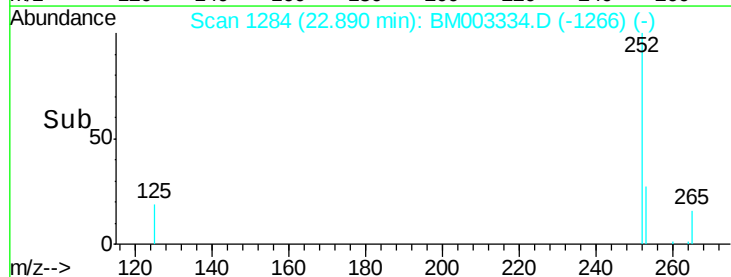
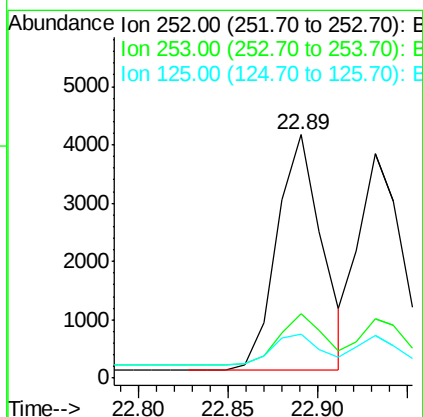
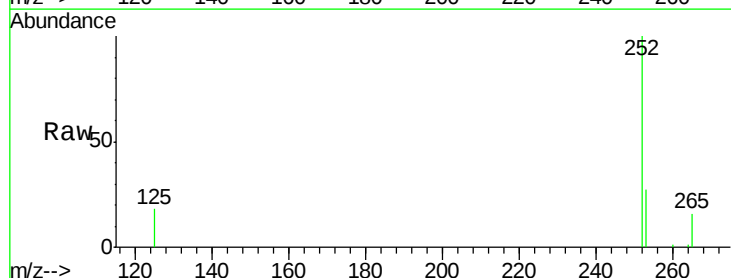
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL2015-02

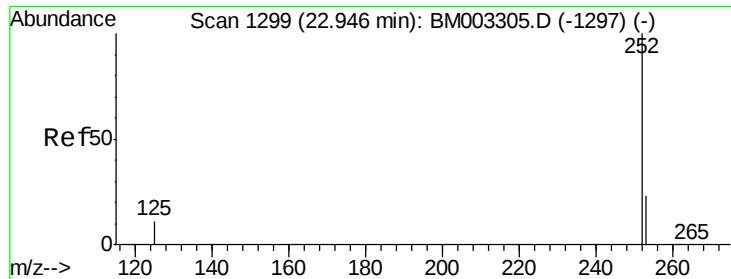
Tgt Ion: 264 Resp: 155211
 Ion Ratio Lower Upper
 264 100
 260 26.8 19.6 29.4
 265 20.5 18.4 27.6



#36
 Benzo(b)fluoranthene
 Concen: 0.16 ng
 RT: 22.89 min Scan# 1284
 Delta R.T. -0.00 min
 Lab File: BM003334.D
 Acq: 01 Dec 2015 00:22

Tgt Ion: 252 Resp: 7090
 Ion Ratio Lower Upper
 252 100
 253 26.5 18.2 27.4
 125 17.9 10.3 15.5#





#37

Benzo(k)fluoranthene

Concen: 0.16 ng

RT: 22.93 min Scan# 1288

Delta R.T. -0.01 min

Lab File: BM003334.D

Acq: 01 Dec 2015 00:22

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL2015-02

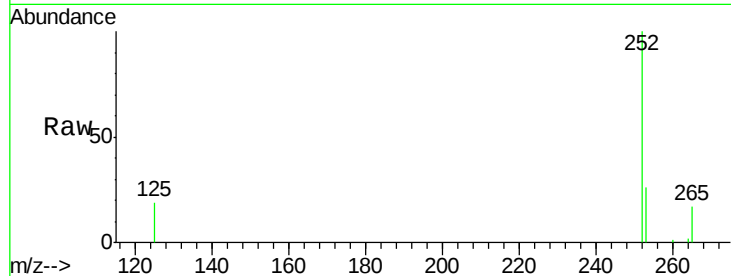
Tgt Ion:252 Resp: 6492

Ion Ratio Lower Upper

252 100

253 26.2 17.5 26.3

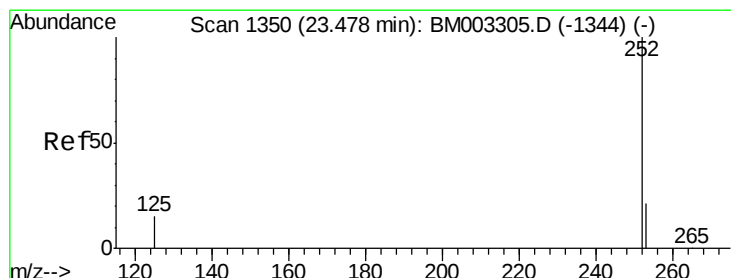
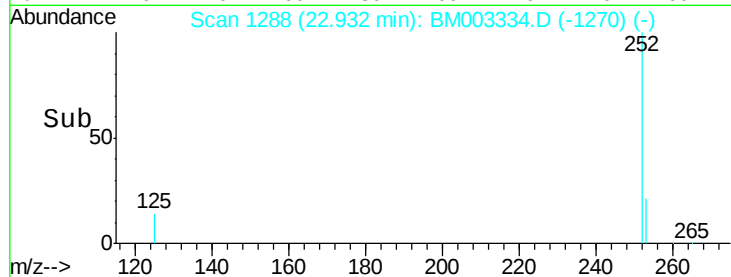
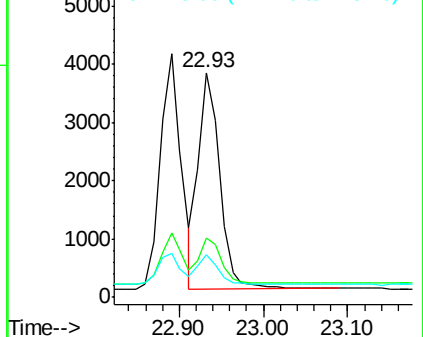
125 19.0 10.7 16.1#



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: 0.17 ng

RT: 23.46 min Scan# 1339

Delta R.T. -0.01 min

Lab File: BM003334.D

Acq: 01 Dec 2015 00:22

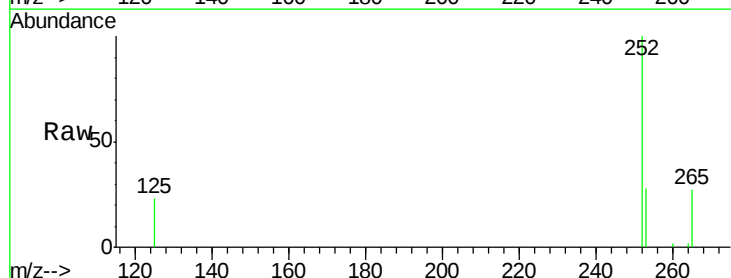
Tgt Ion:252 Resp: 6124

Ion Ratio Lower Upper

252 100

253 28.5 18.7 28.1#

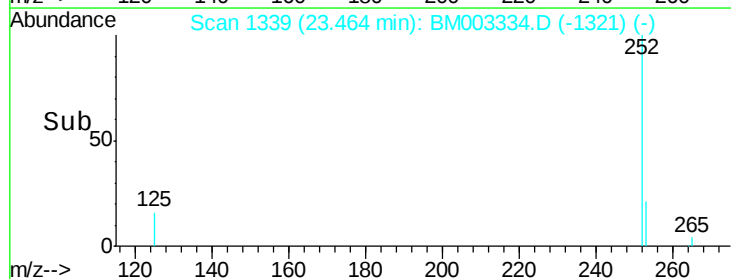
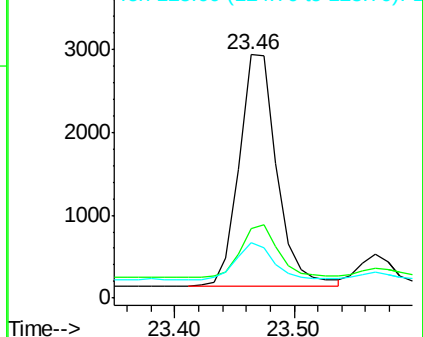
125 22.6 11.6 17.4#

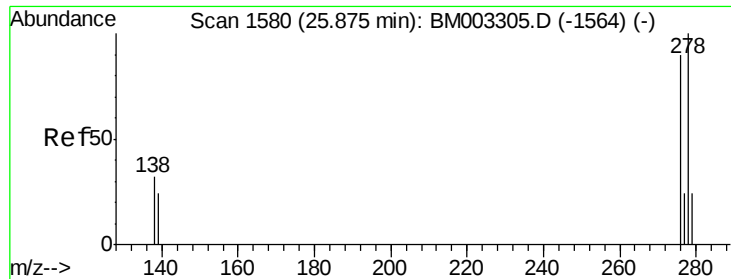


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#39

Dibenzo(a,h)anthracene

Concen: 0.18 ng

RT: 25.86 min Scan# 1569

Delta R.T. -0.01 min

Lab File: BM003334.D

Acq: 01 Dec 2015 00:22

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL2015-02

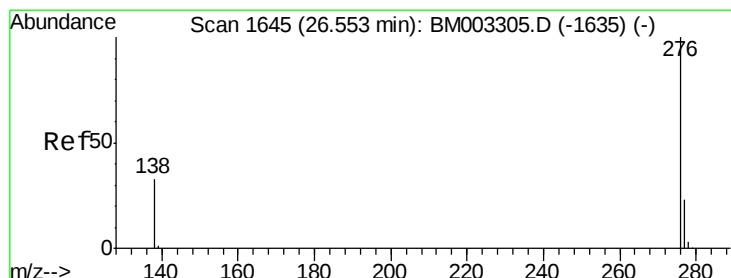
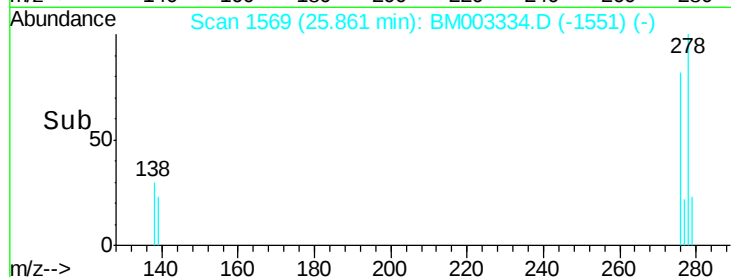
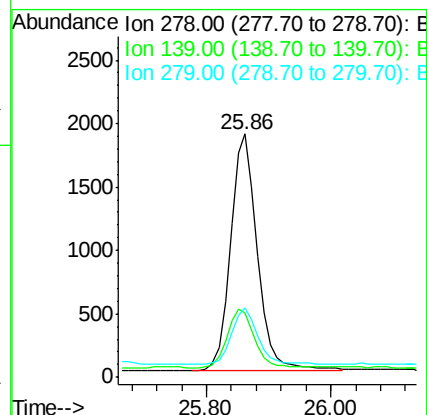
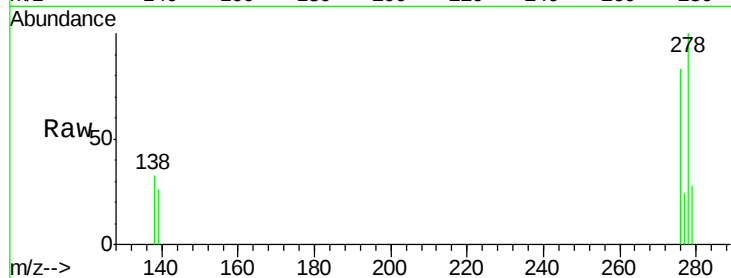
Tgt Ion: 278 Resp: 5574

Ion Ratio Lower Upper

278 100

139 26.3 18.2 27.4

279 28.4 18.8 28.2#



#40

Benzo(g,h,i)perylene

Concen: 0.17 ng

RT: 26.54 min Scan# 1634

Delta R.T. -0.01 min

Lab File: BM003334.D

Acq: 01 Dec 2015 00:22

Tgt Ion: 276 Resp: 6388

Ion Ratio Lower Upper

276 100

277 25.3 19.0 28.6

138 35.3 22.3 33.5#

