

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM120215\
 Data File : BM003361.D
 Acq On : 02 Dec 2015 18:09
 Operator : UM/IZ
 Sample : G3707-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL2015-02

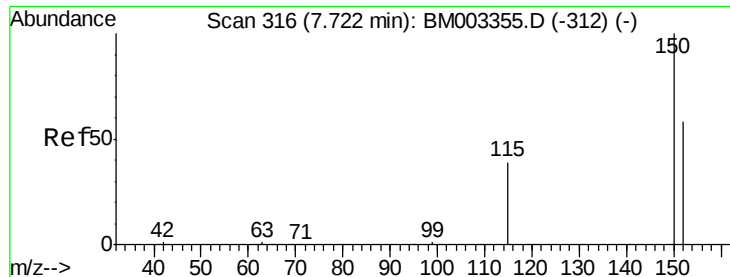
Quant Time: Dec 03 00:17:47 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BM120215.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 02 16:19:00 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	55980	5.00	ng	0.00
7) Naphthalene-d8	10.51	136	228694	5.00	ng	0.00
13) Acenaphthene-d10	14.37	164	119503	5.00	ng	0.00
19) Phenanthrene-d10	17.11	188	269034	5.00	ng	0.00
26) Chrysene-d12	21.31	240	159147	5.00	ng	-0.02
35) Perylene-d12	23.58	264	142241	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.31	112	90026	8.06	ng	0.00
5) Phenol-d6	6.88	99	113620	8.27	ng	0.00
8) Nitrobenzene-d5	8.88	82	42657	4.00	ng	0.00
14) 2,4,6-Tribromophenol	15.86	330	18477	6.00	ng	0.00
15) 2-Fluorobiphenyl	13.00	172	158359	4.40	ng	0.00
29) Terphenyl-d14	19.76	244	116709	4.52	ng	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	3.23	88	972	0.19	ng	# 84
3) n-Nitrosodimethylamine	3.54	42	687	0.13	ng	# 98
6) bis(2-Chloroethyl)ether	7.16	93	1989	0.15	ng	98
9) Nitrobenzene	8.92	77	1900	0.16	ng	96
10) Naphthalene	10.56	128	7755	0.16	ng	98
11) Hexachlorobutadiene	10.85	225	1679	0.22	ng	# 78
12) 2-Methylnaphthalene	12.18	142	4910	0.15	ng	99
16) Acenaphthylene	14.08	152	5831	0.12	ng	99
17) Acenaphthene	14.44	154	5030	0.16	ng	# 100
18) Fluorene	15.42	166	5064	0.14	ng	# 96
20) 4-Bromophenyl-phenylether	16.32	248	1228	0.16	ng	# 37
21) Hexachlorobenzene	16.42	284	1429	0.13	ng	# 60
22) Pentachlorophenol	16.78	266	216	0.38	ng	# 84
23) Phenanthrene	17.24	178	6873	0.13	ng	99
24) Anthracene	17.24	178	7213	0.13	ng	97
25) Fluoranthene	19.19	202	7910	0.15	ng	99
27) Benzidine	19.38	184	1441	0.44	ng	# 84
28) Pyrene	19.55	202	8335	0.14	ng	99
30) Benzo(a)anthracene	21.35	228	15305	0.36	ng	# 89
31) 3,3'-Dichlorobenzidine	21.25	252	1551	0.21	ng	# 97
32) Chrysene	21.35	228	15377	0.31	ng	96
33) Bis(2-ethylhexyl)phthalate	21.23	149	3289	0.36	ng	# 100
34) Indeno(1,2,3-cd)pyrene	25.86	276	6087	0.16	ng	# 80
36) Benzo(b)fluoranthene	22.90	252	6734	0.16	ng	# 89
37) Benzo(k)fluoranthene	22.94	252	5622	0.14	ng	# 89
38) Benzo(a)pyrene	23.47	252	5088	0.14	ng	# 86
39) Dibenzo(a,h)anthracene	25.87	278	4907	0.15	ng	# 89
40) Benzo(g,h,i)perylene	26.55	276	5647	0.17	ng	# 89

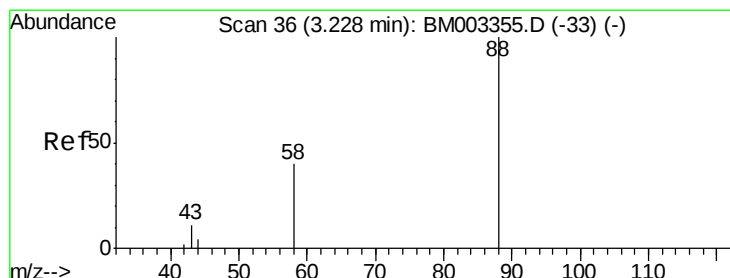
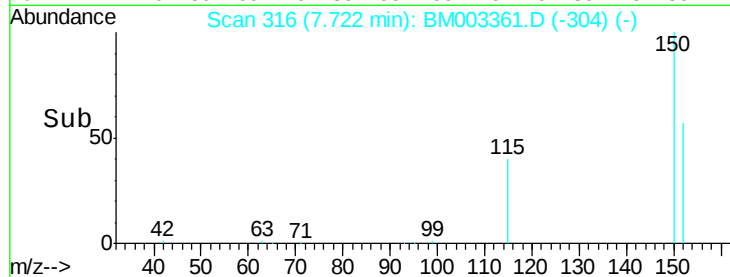
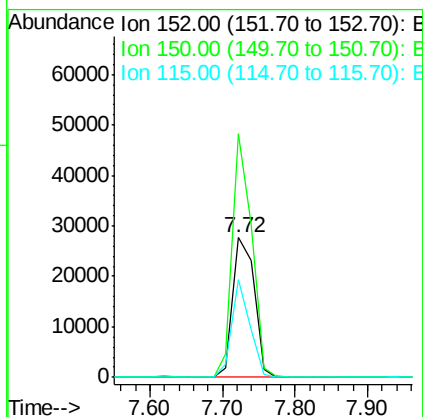
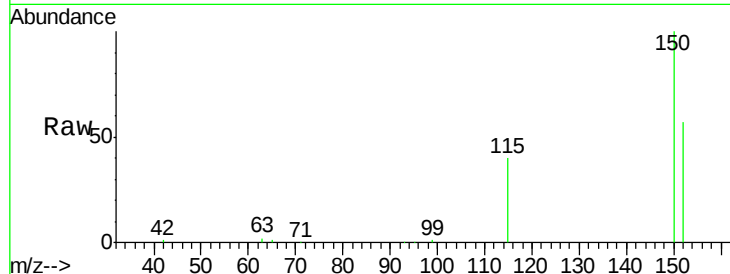
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 7.72 min Scan# 316
 Delta R.T. 0.00 min
 Lab File: BM003361.D
 Acq: 02 Dec 2015 18:09

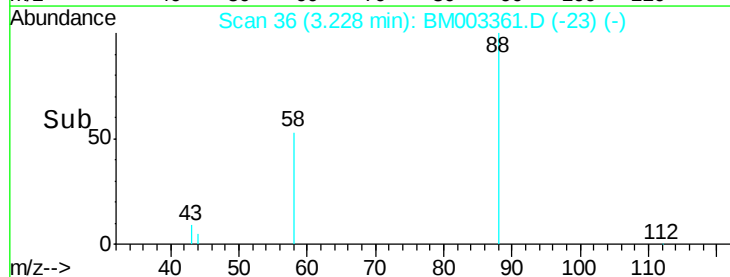
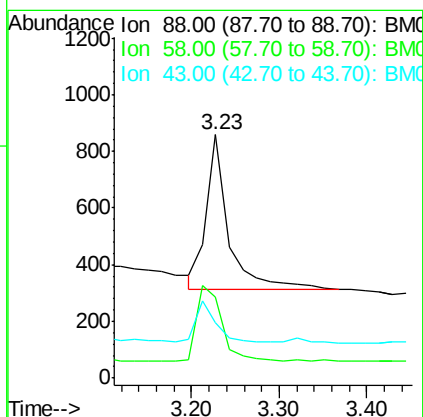
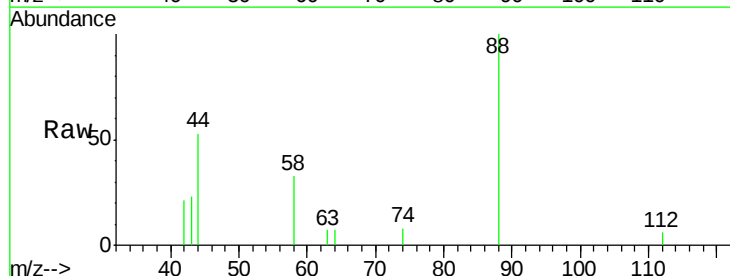
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL2015-02

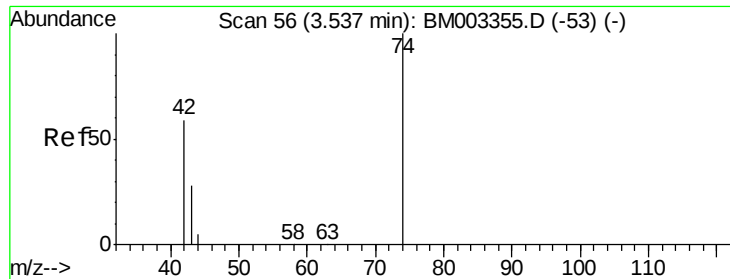
Tgt Ion: 152 Resp: 55980
 Ion Ratio Lower Upper
 152 100
 150 174.5 143.6 215.4
 115 69.8 58.5 87.7



#2
 1,4-Dioxane
 Concen: 0.19 ng
 RT: 3.23 min Scan# 36
 Delta R.T. 0.00 min
 Lab File: BM003361.D
 Acq: 02 Dec 2015 18:09

Tgt Ion: 88 Resp: 972
 Ion Ratio Lower Upper
 88 100
 58 53.7 55.2 82.8#
 43 22.9 21.8 32.6





#3

n-Nitrosodimethylamine

Concen: 0.13 ng

RT: 3.54 min Scan# 56

Delta R.T. 0.00 min

Lab File: BM003361.D

Acq: 02 Dec 2015 18:09

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL2015-02

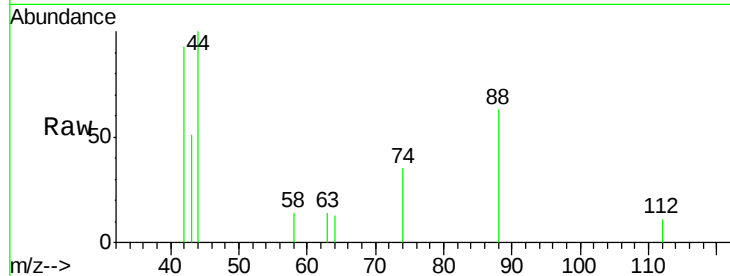
Tgt Ion: 42 Resp: 687

Ion Ratio Lower Upper

42 100

74 127.1 101.0 151.4

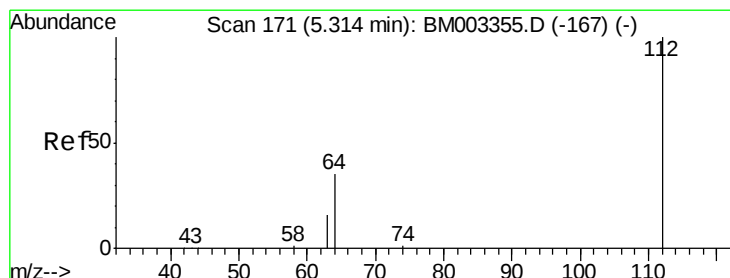
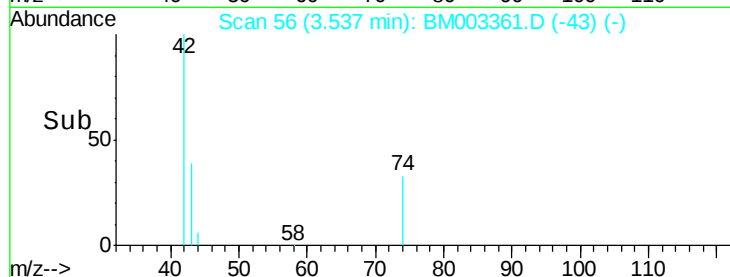
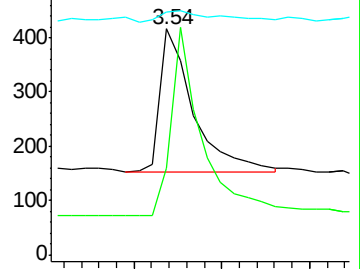
44 13.8 6.3 9.5#



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) (-)



#4

2-Fluorophenol

Concen: 8.06 ng

RT: 5.31 min Scan# 171

Delta R.T. 0.00 min

Lab File: BM003361.D

Acq: 02 Dec 2015 18:09

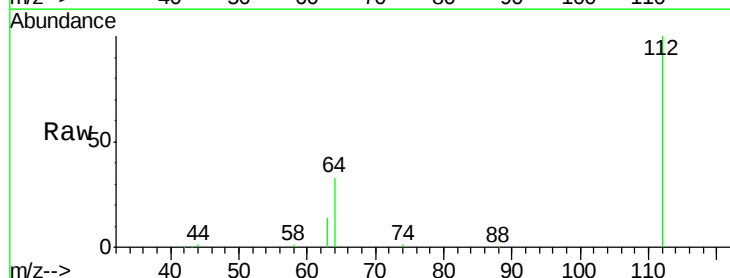
Tgt Ion: 112 Resp: 90026

Ion Ratio Lower Upper

112 100

64 51.4 41.2 61.8

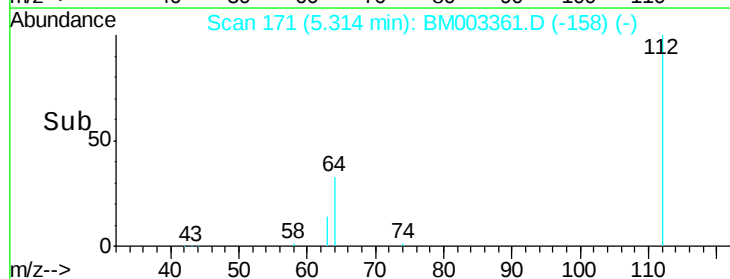
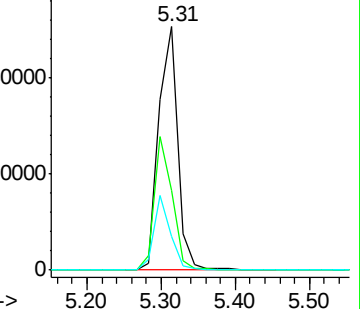
63 26.7 21.2 31.8

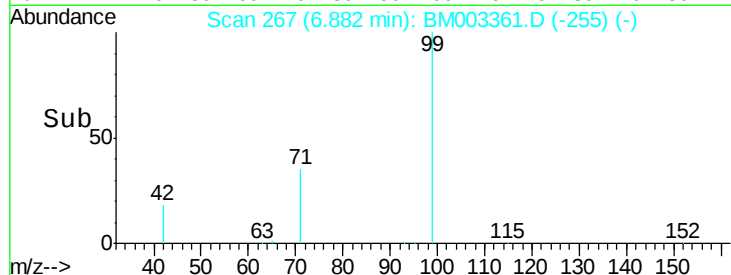
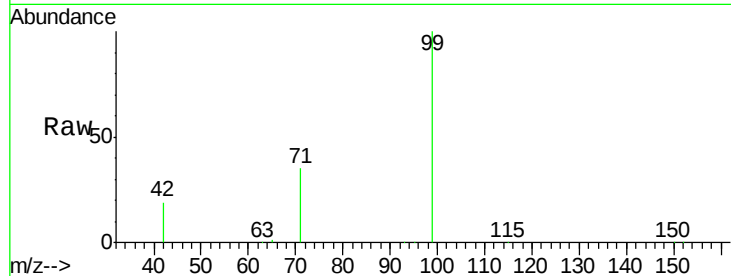
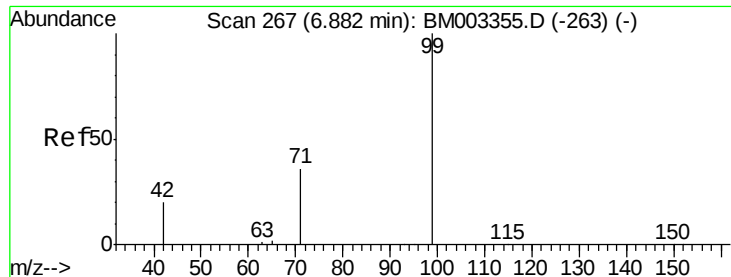


Abundance Ion 112.00 (111.70 to 112.70): BM003355.D (-167) (-)

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

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





#5

Phenol-d6

Concen: 8.27 ng

RT: 6.88 min Scan# 267

Delta R.T. 0.00 min

Lab File: BM003361.D

Acq: 02 Dec 2015 18:09

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL2015-02

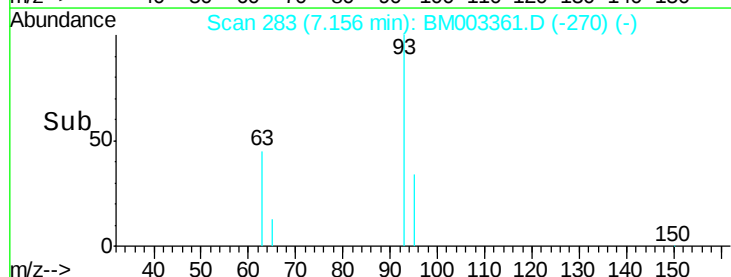
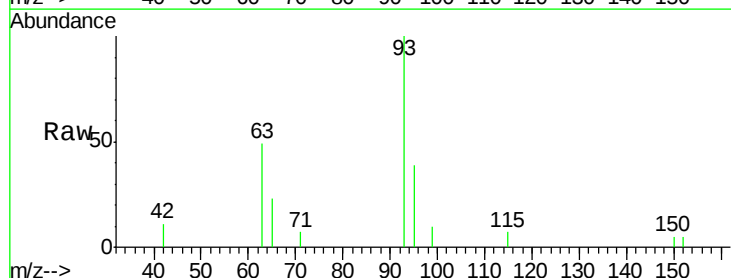
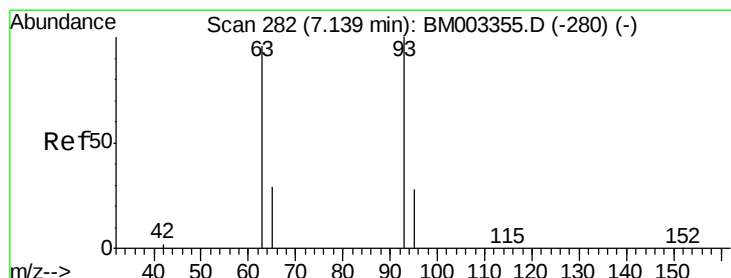
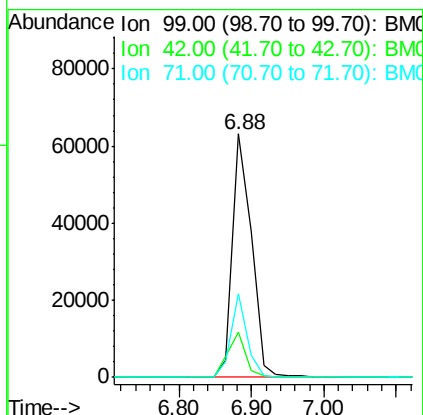
Tgt Ion: 99 Resp: 113620

Ion Ratio Lower Upper

99 100

42 17.5 14.6 22.0

71 29.5 23.3 34.9



#6

bis(2-Chloroethyl)ether

Concen: 0.15 ng

RT: 7.16 min Scan# 283

Delta R.T. 0.02 min

Lab File: BM003361.D

Acq: 02 Dec 2015 18:09

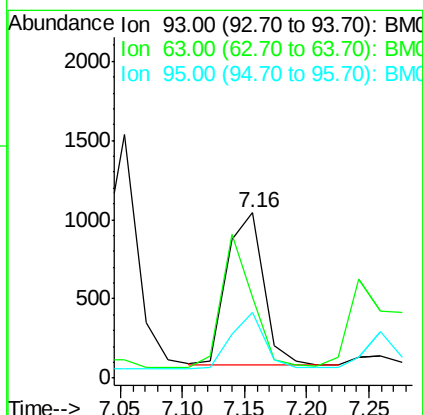
Tgt Ion: 93 Resp: 1989

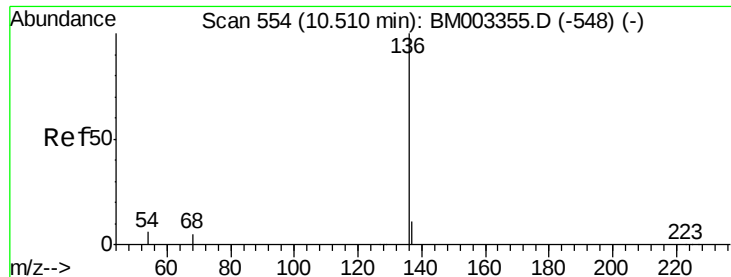
Ion Ratio Lower Upper

93 100

63 74.7 58.2 87.4

95 33.9 26.2 39.4





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.51 min Scan# 554

Delta R.T. 0.00 min

Lab File: BM003361.D

Acq: 02 Dec 2015 18:09

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL2015-02

Tgt Ion:136 Resp: 228694

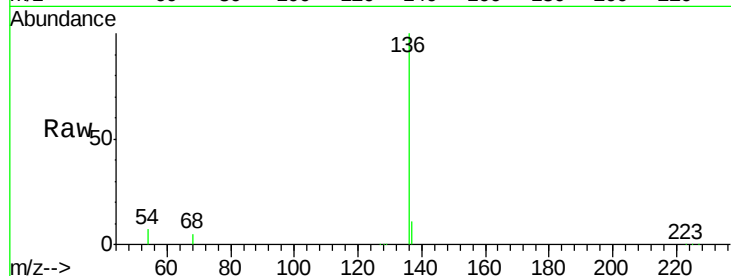
Ion Ratio Lower Upper

136 100

137 10.5 8.0 12.0

54 6.6 7.4 11.0#

68 5.4 5.8 8.6#

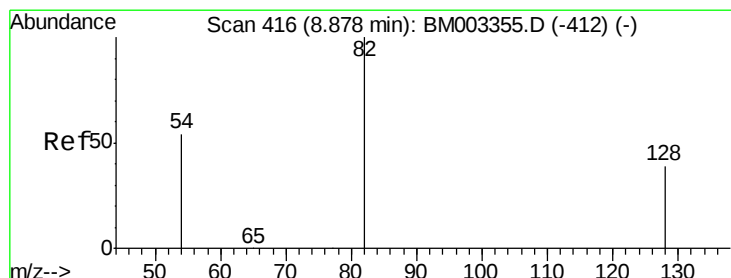
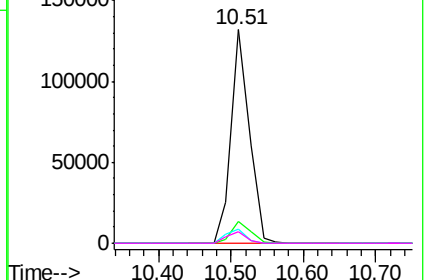
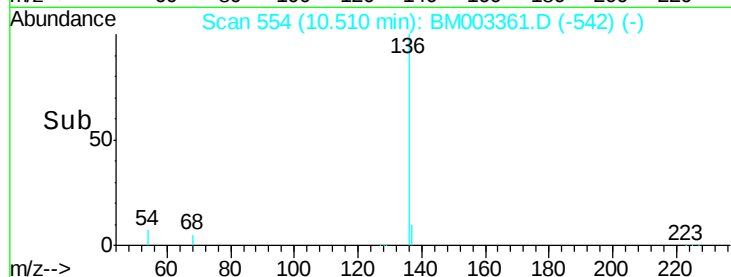


Abundance Ion 136.00 (135.70 to 136.70): E

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



#8

Nitrobenzene-d5

Concen: 4.00 ng

RT: 8.88 min Scan# 416

Delta R.T. 0.00 min

Lab File: BM003361.D

Acq: 02 Dec 2015 18:09

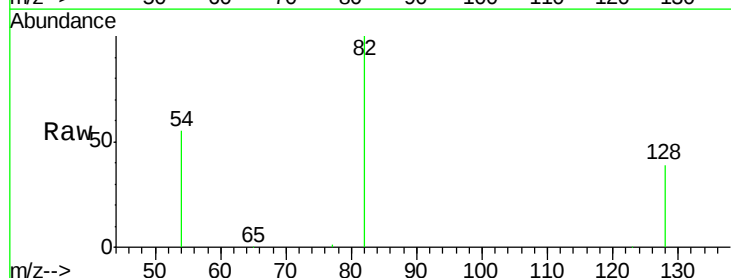
Tgt Ion: 82 Resp: 42657

Ion Ratio Lower Upper

82 100

128 38.5 35.2 52.8

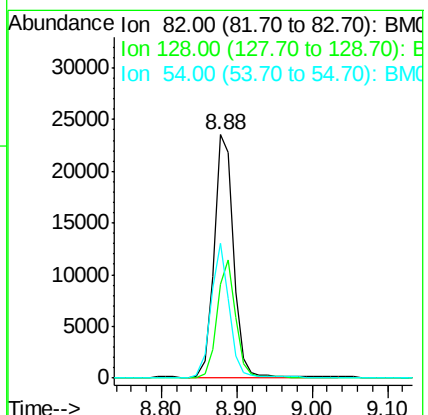
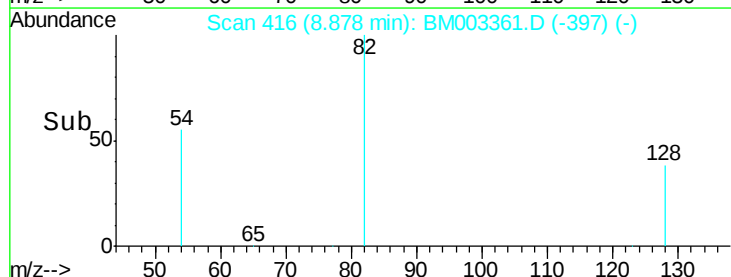
54 55.2 36.4 54.6#

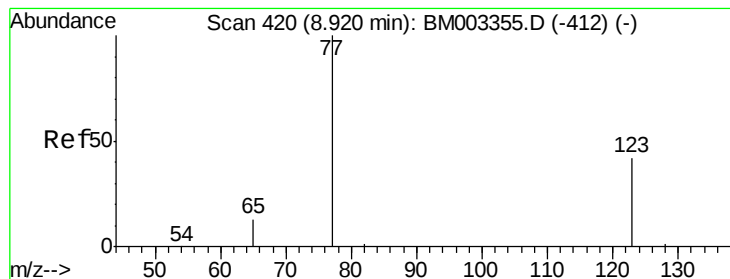


Abundance Ion 82.00 (81.70 to 82.70): BM

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM





#9

Nitrobenzene

Concen: 0.16 ng

RT: 8.92 min Scan# 420

Delta R.T. 0.00 min

Lab File: BM003361.D

Acq: 02 Dec 2015 18:09

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL2015-02

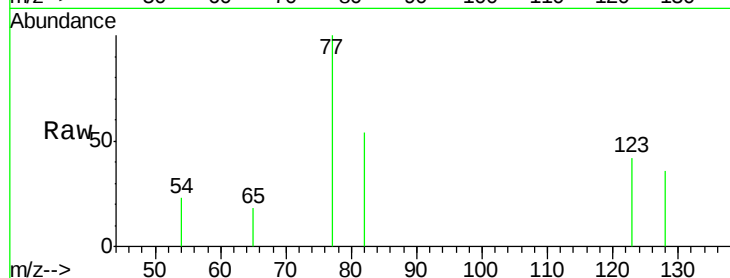
Tgt Ion: 77 Resp: 1900

Ion Ratio Lower Upper

77 100

123 44.4 37.7 56.5

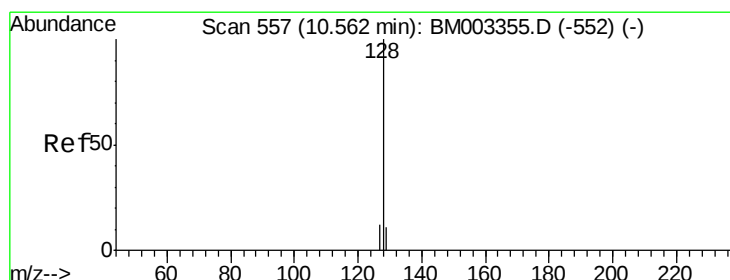
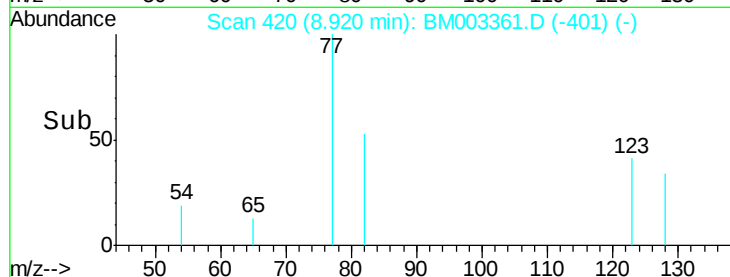
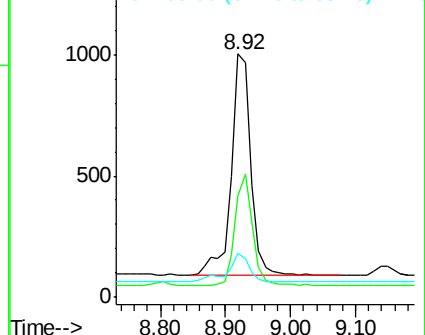
65 14.6 9.8 14.6



Abundance Ion 77.00 (76.70 to 77.70): BM003361.D (-401) (-)

Ion 123.00 (122.70 to 123.70): BM003361.D (-401) (-)

Ion 65.00 (64.70 to 65.70): BM003361.D (-401) (-)



#10

Naphthalene

Concen: 0.16 ng

RT: 10.56 min Scan# 557

Delta R.T. 0.00 min

Lab File: BM003361.D

Acq: 02 Dec 2015 18:09

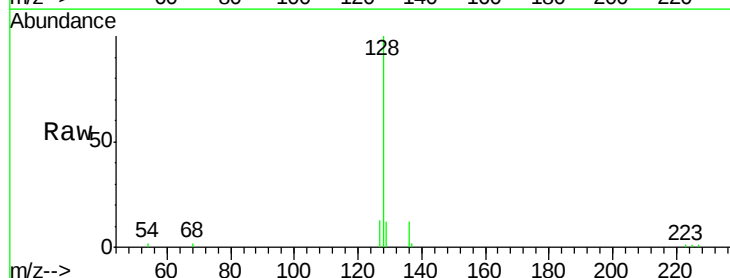
Tgt Ion: 128 Resp: 7755

Ion Ratio Lower Upper

128 100

129 12.1 8.5 12.7

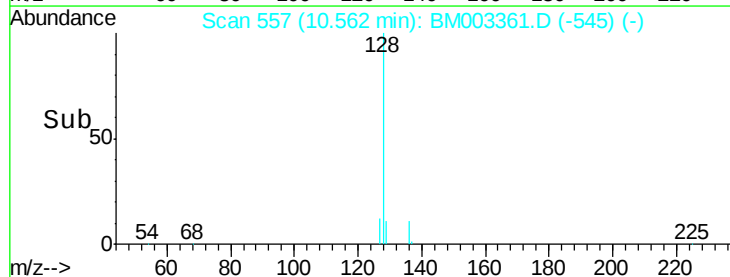
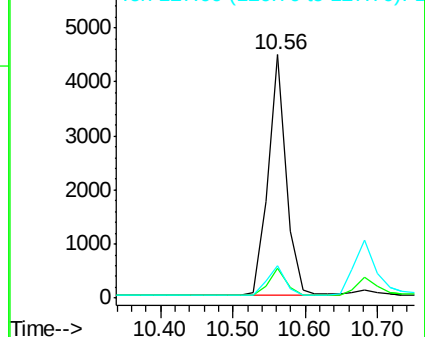
127 13.3 10.6 16.0

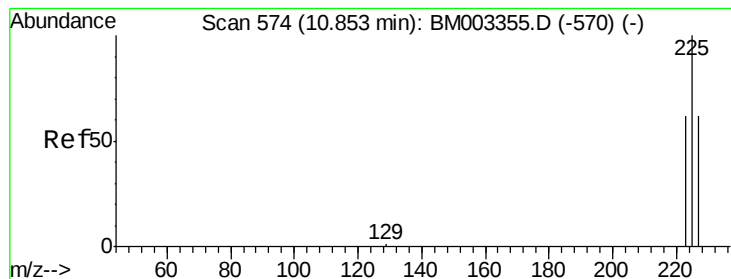


Abundance Ion 128.00 (127.70 to 128.70): BM003361.D (-545) (-)

Ion 129.00 (128.70 to 129.70): BM003361.D (-545) (-)

Ion 127.00 (126.70 to 127.70): BM003361.D (-545) (-)





#11

Hexachlorobutadiene

Concen: 0.22 ng

RT: 10.85 min Scan# 574

Delta R.T. 0.00 min

Lab File: BM003361.D

Acq: 02 Dec 2015 18:09

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LOQ-SOIL2015-02

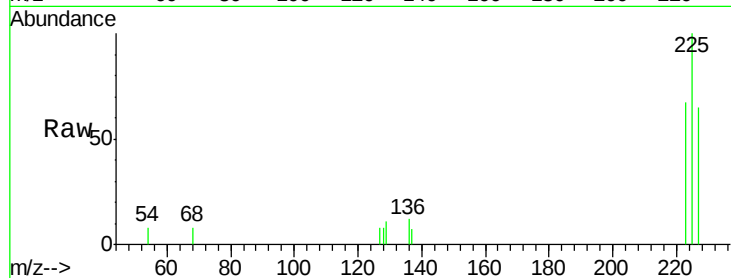
Tgt Ion:225 Resp: 1679

Ion Ratio Lower Upper

225 100

223 79.5 53.0 79.4#

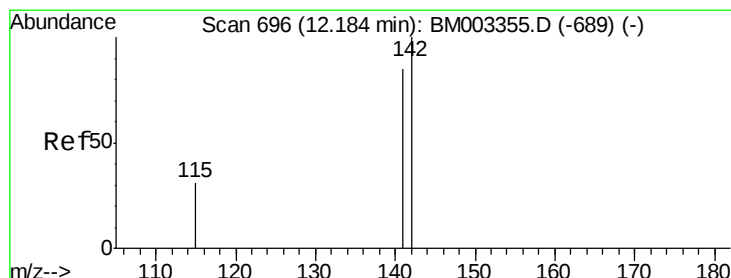
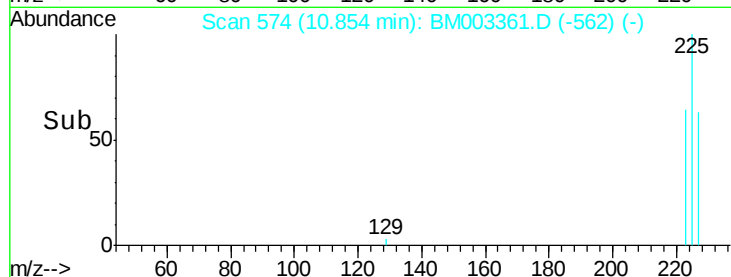
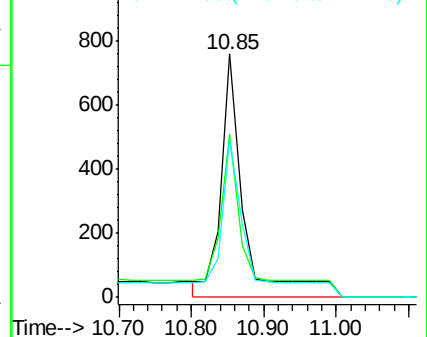
227 43.5 52.2 78.4#



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



#12

2-Methylnaphthalene

Concen: 0.15 ng

RT: 12.18 min Scan# 696

Delta R.T. 0.00 min

Lab File: BM003361.D

Acq: 02 Dec 2015 18:09

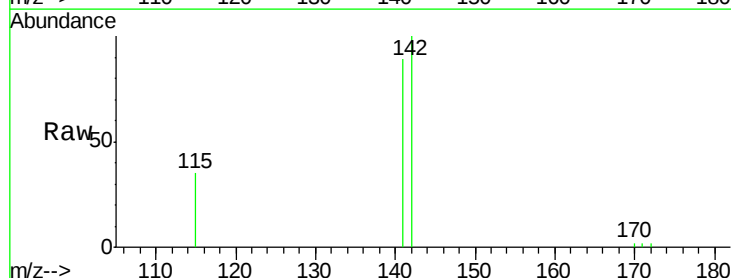
Tgt Ion:142 Resp: 4910

Ion Ratio Lower Upper

142 100

141 88.7 72.2 108.2

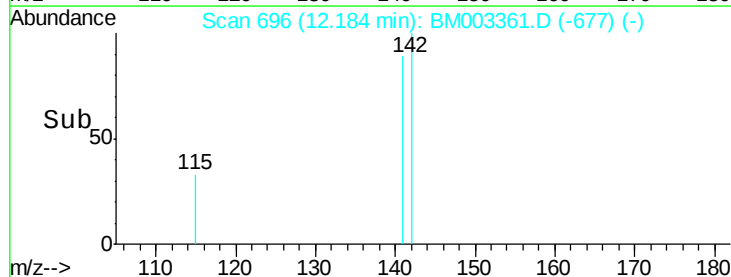
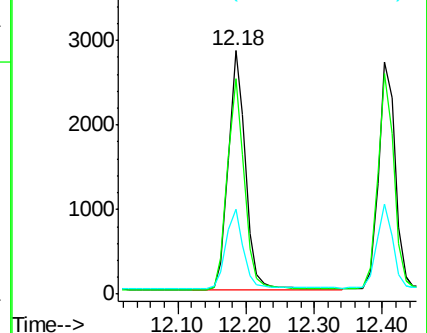
115 34.9 28.0 42.0

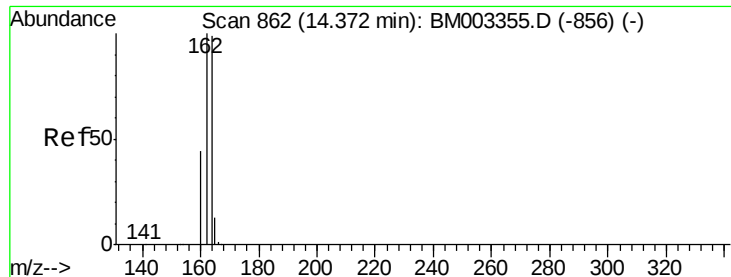


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.37 min Scan# 862

Delta R.T. 0.00 min

Lab File: BM003361.D

Acq: 02 Dec 2015 18:09

Instrument :

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LOQ-SOIL2015-02

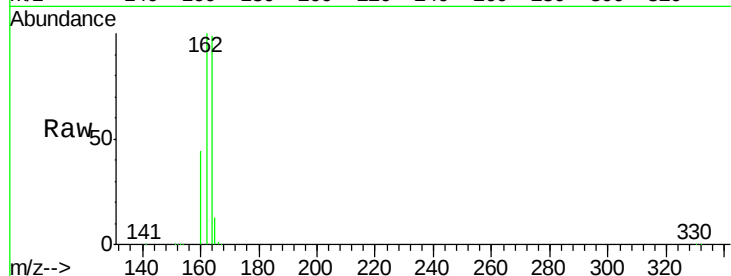
Tgt Ion:164 Resp: 119503

Ion Ratio Lower Upper

164 100

162 101.2 78.3 117.5

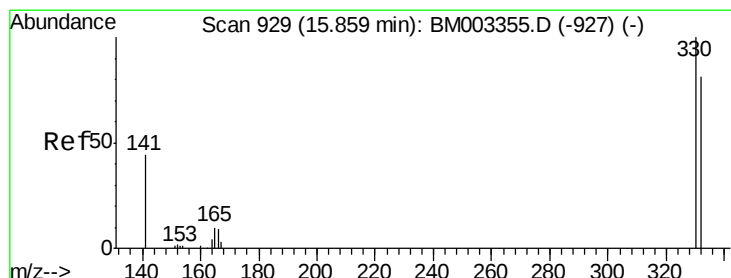
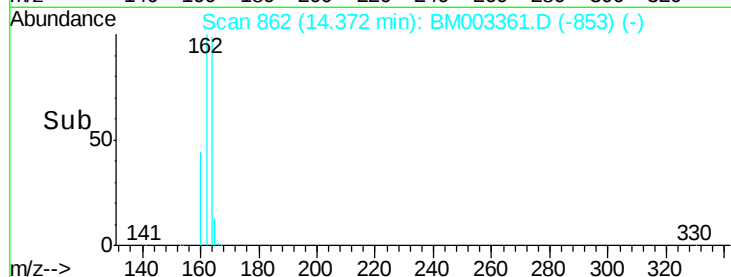
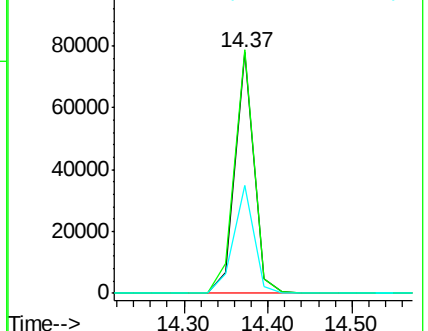
160 45.0 33.8 50.6



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: 6.00 ng

RT: 15.86 min Scan# 929

Delta R.T. 0.00 min

Lab File: BM003361.D

Acq: 02 Dec 2015 18:09

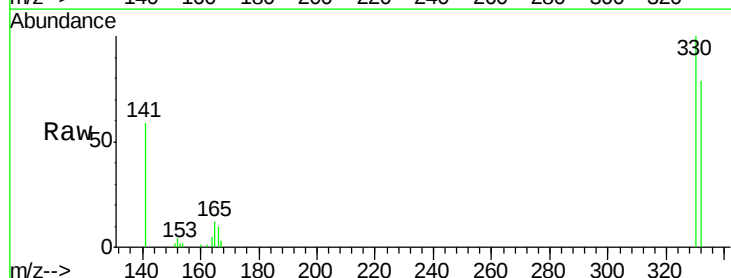
Tgt Ion:330 Resp: 18477

Ion Ratio Lower Upper

330 100

332 94.9 76.0 114.0

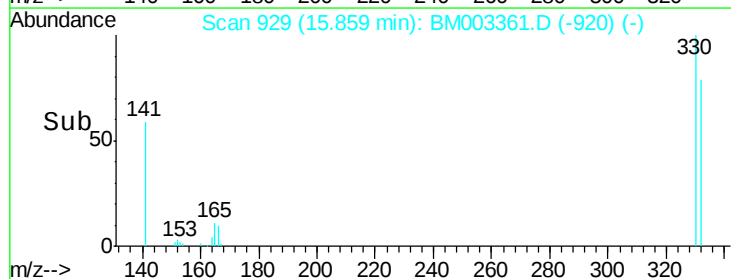
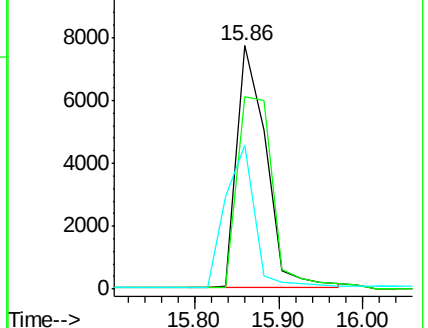
141 59.2 0.0 0.0#

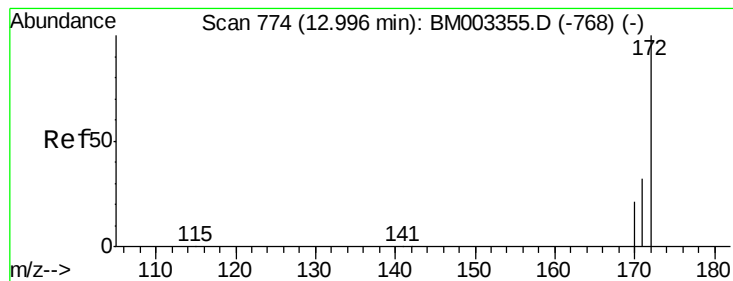


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 4.40 ng

RT: 13.00 min Scan# 774

Delta R.T. 0.00 min

Lab File: BM003361.D

Acq: 02 Dec 2015 18:09

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL2015-02

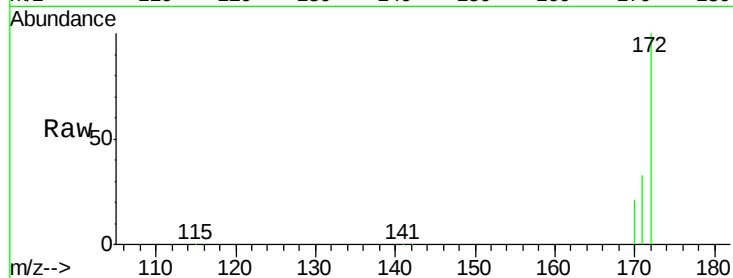
Tgt Ion:172 Resp: 158359

Ion Ratio Lower Upper

172 100

171 32.8 28.0 42.0

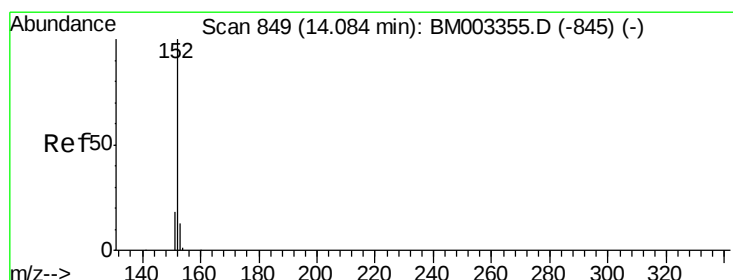
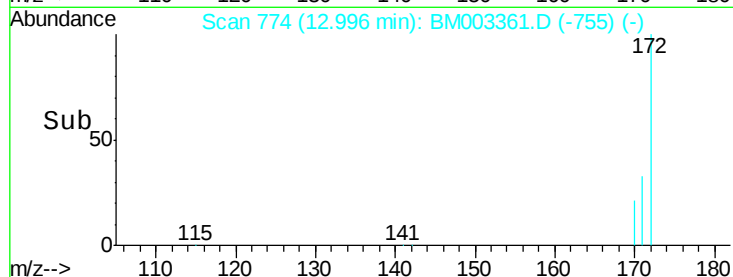
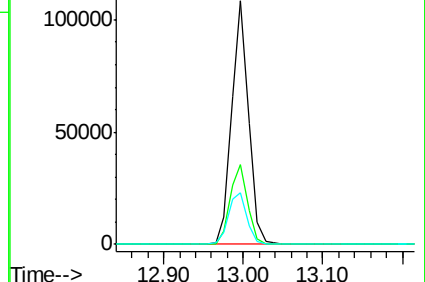
170 21.1 18.9 28.3



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16

Acenaphthylene

Concen: 0.12 ng

RT: 14.08 min Scan# 849

Delta R.T. 0.00 min

Lab File: BM003361.D

Acq: 02 Dec 2015 18:09

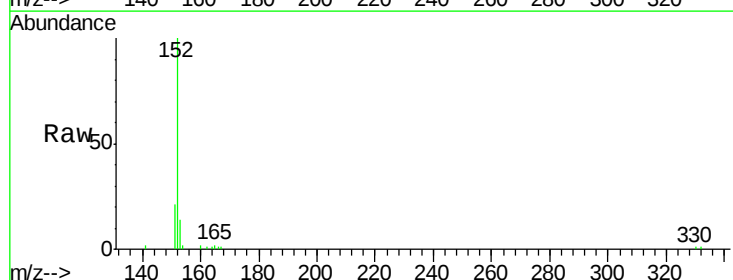
Tgt Ion:152 Resp: 5831

Ion Ratio Lower Upper

152 100

151 19.6 15.2 22.8

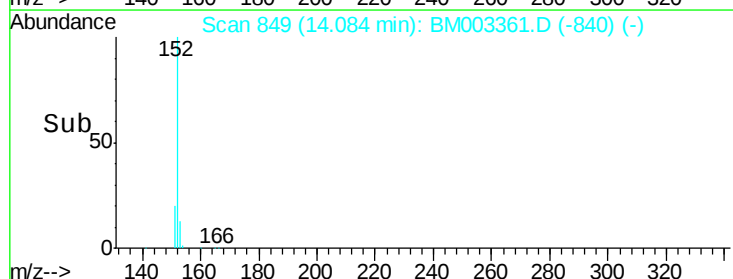
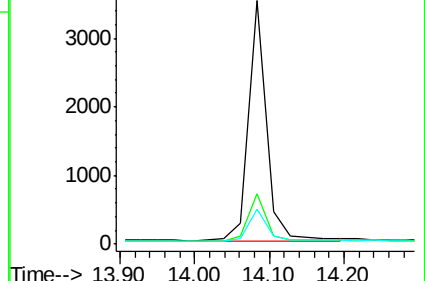
153 13.2 10.4 15.6

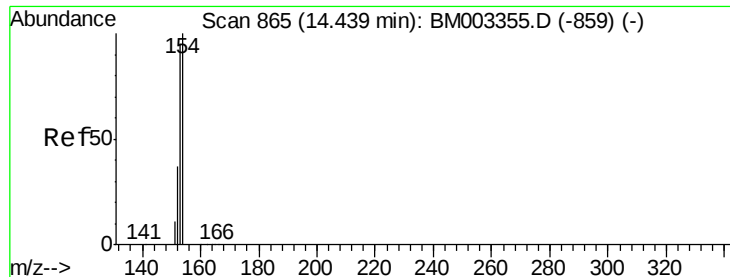


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

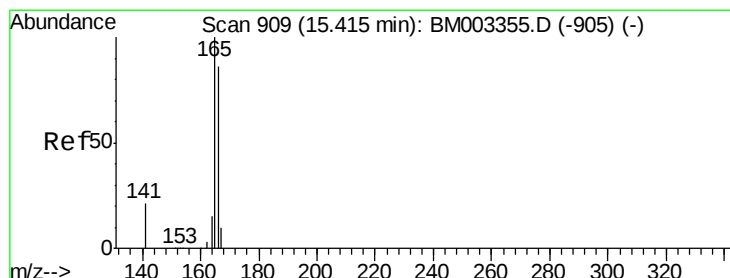
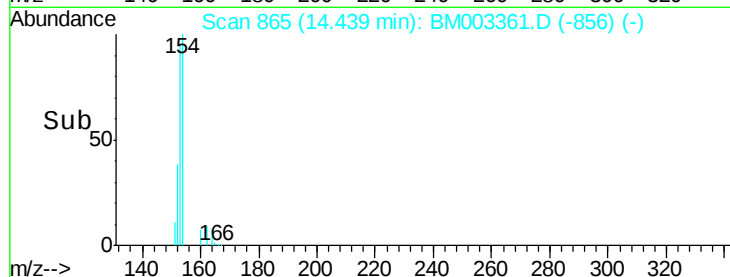
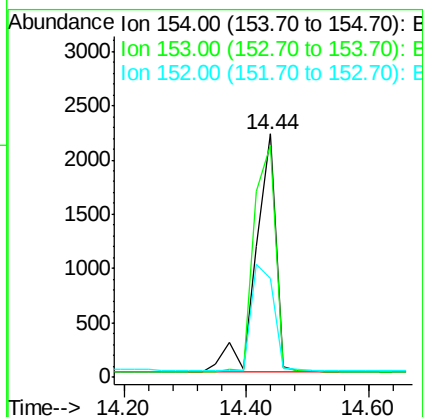
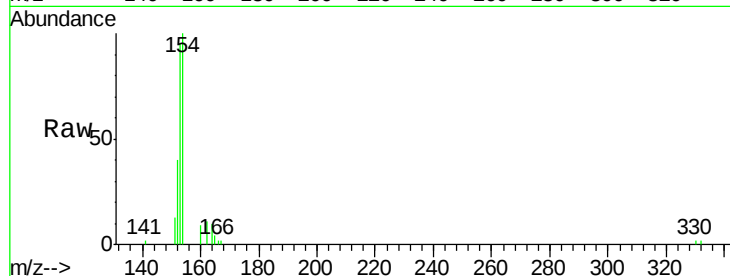




#17
Acenaphthene
Concen: 0.16 ng
RT: 14.44 min Scan# 865
Delta R.T. 0.00 min
Lab File: BM003361.D
Acq: 02 Dec 2015 18:09

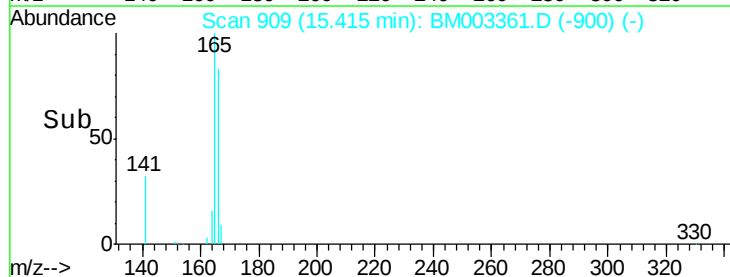
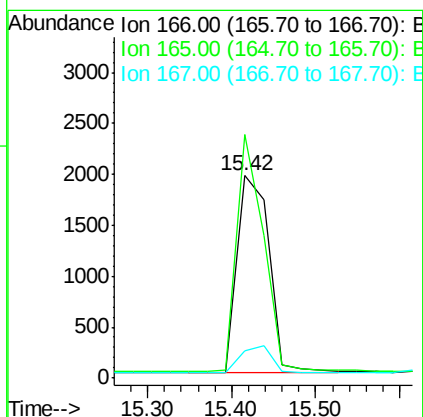
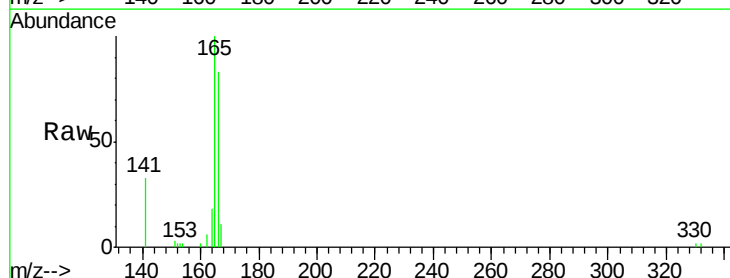
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL2015-02

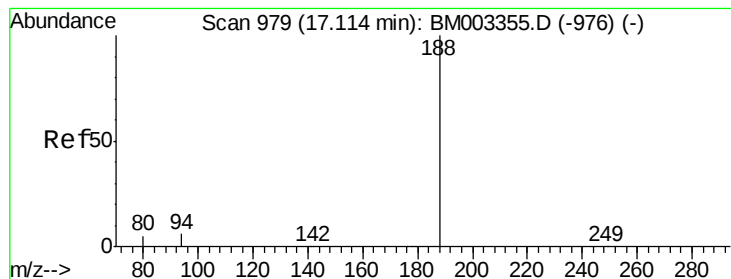
Tgt Ion:154 Resp: 5030
Ion Ratio Lower Upper
154 100
153 101.5 0.0 0.0#
152 0.0 0.0 0.0



#18
Fluorene
Concen: 0.14 ng
RT: 15.42 min Scan# 909
Delta R.T. 0.00 min
Lab File: BM003361.D
Acq: 02 Dec 2015 18:09

Tgt Ion:166 Resp: 5064
Ion Ratio Lower Upper
166 100
165 100.4 80.8 121.2
167 0.0 10.5 15.7#





#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.11 min Scan# 979

Delta R.T. 0.00 min

Lab File: BM003361.D

Acq: 02 Dec 2015 18:09

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL2015-02

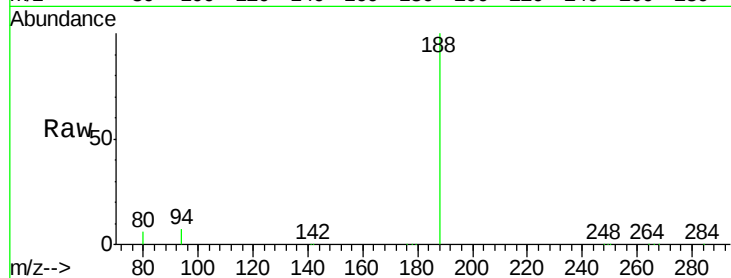
Tgt Ion:188 Resp: 269034

Ion Ratio Lower Upper

188 100

94 6.9 1.8 2.6#

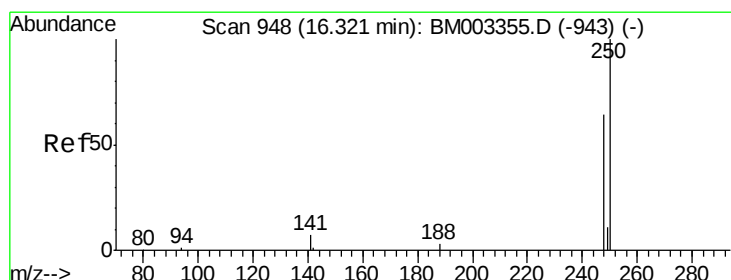
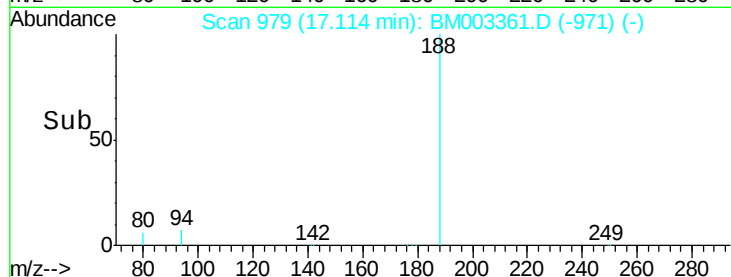
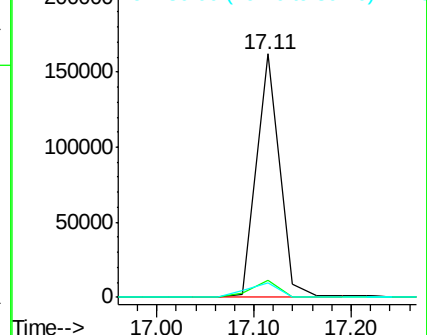
80 6.1 1.4 2.0#



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: 0.16 ng

RT: 16.32 min Scan# 948

Delta R.T. 0.00 min

Lab File: BM003361.D

Acq: 02 Dec 2015 18:09

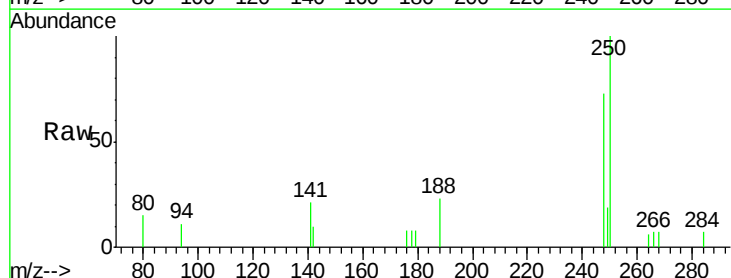
Tgt Ion:248 Resp: 1228

Ion Ratio Lower Upper

248 100

250 105.8 65.4 98.0#

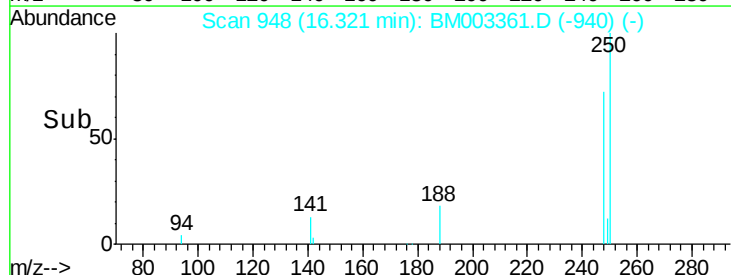
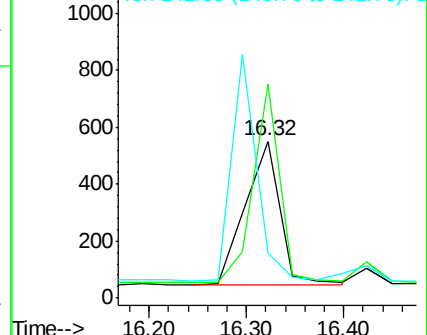
141 0.0 72.8 109.2#

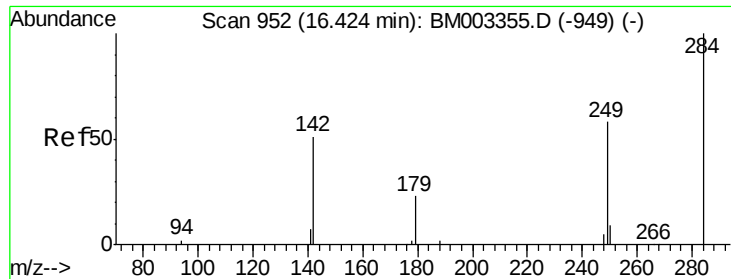


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

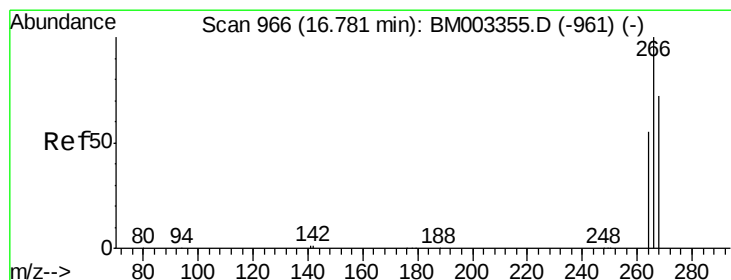
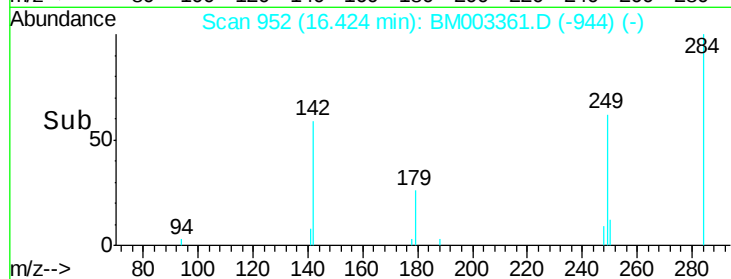
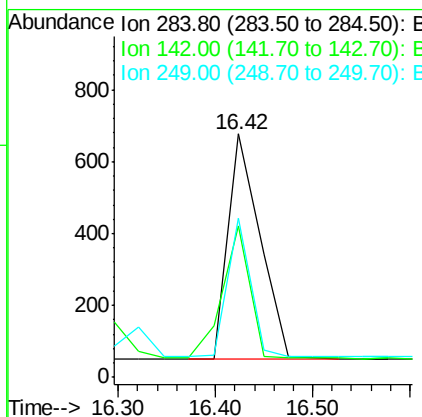
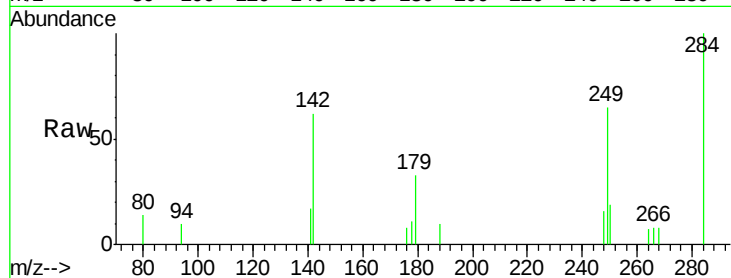




#21
Hexachlorobenzene
Concen: 0.13 ng
RT: 16.42 min Scan# 952
Delta R.T. 0.00 min
Lab File: BM003361.D
Acq: 02 Dec 2015 18:09

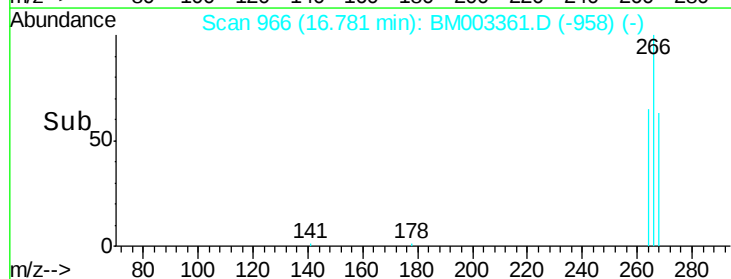
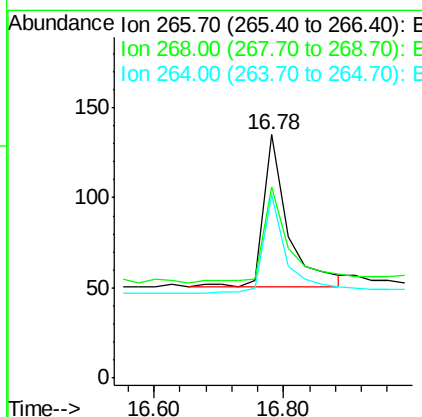
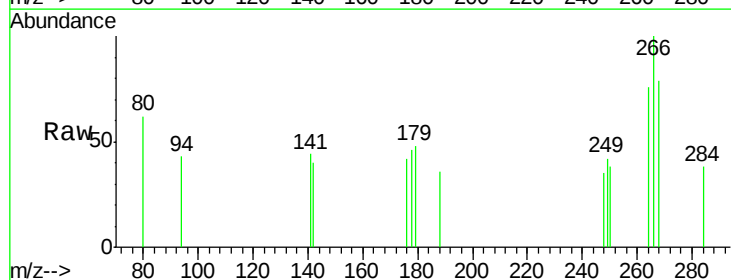
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL2015-02

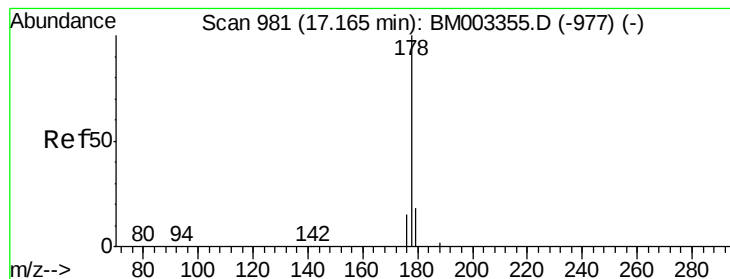
Tgt Ion: 284 Resp: 1429
Ion Ratio Lower Upper
284 100
142 49.7 0.0 0.0#
249 44.1 19.4 29.2#



#22
Pentachlorophenol
Concen: 0.38 ng
RT: 16.78 min Scan# 966
Delta R.T. 0.00 min
Lab File: BM003361.D
Acq: 02 Dec 2015 18:09

Tgt Ion: 266 Resp: 216
Ion Ratio Lower Upper
266 100
268 78.5 45.8 68.8#
264 75.6 56.7 85.1





#23

Phenanthrene

Concen: 0.13 ng

RT: 17.24 min Scan# 984

Delta R.T. 0.08 min

Lab File: BM003361.D

Acq: 02 Dec 2015 18:09

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL2015-02

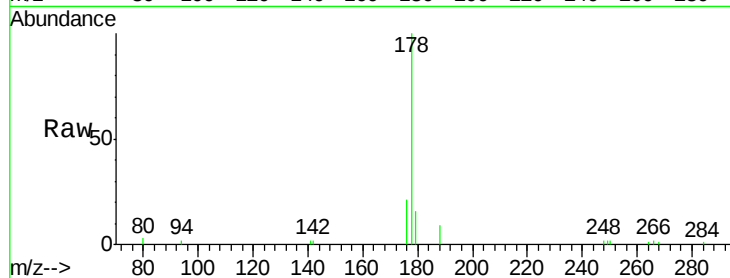
Tgt Ion:178 Resp: 6873

Ion Ratio Lower Upper

178 100

176 18.9 15.9 23.9

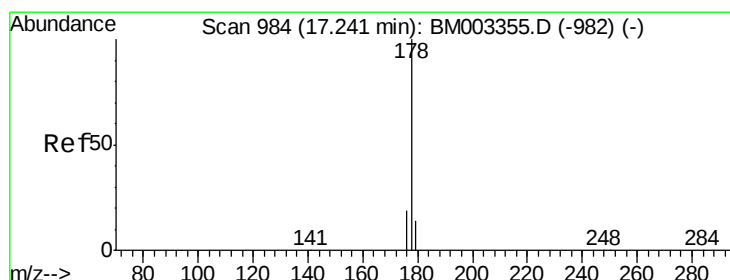
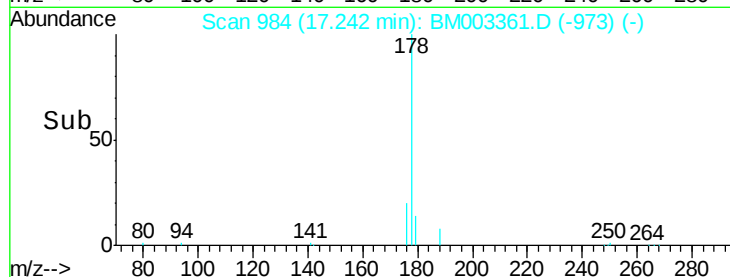
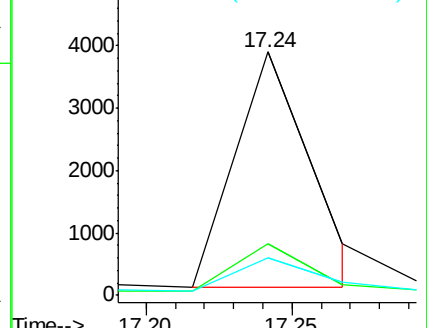
179 14.8 11.7 17.5



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: 0.13 ng

RT: 17.24 min Scan# 984

Delta R.T. 0.00 min

Lab File: BM003361.D

Acq: 02 Dec 2015 18:09

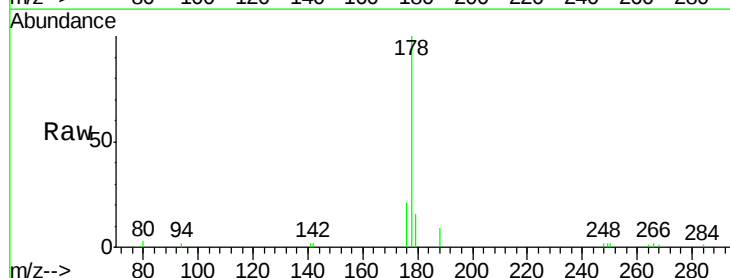
Tgt Ion:178 Resp: 7213

Ion Ratio Lower Upper

178 100

176 19.0 14.1 21.1

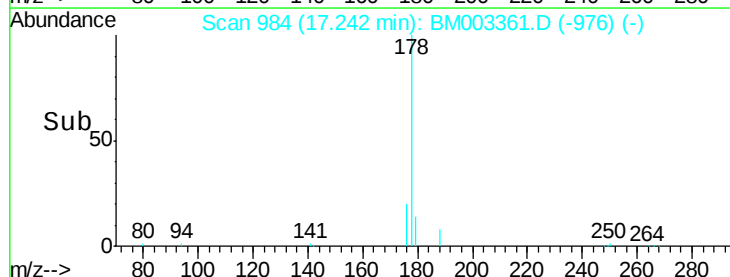
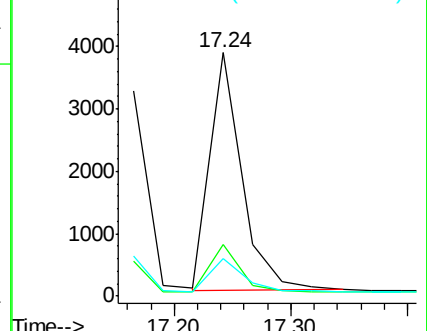
179 15.0 12.8 19.2

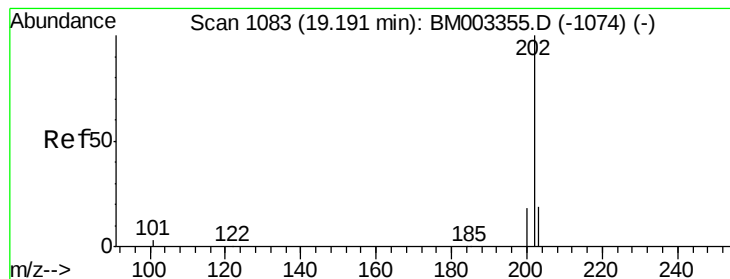


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene

Concen: 0.15 ng

RT: 19.19 min Scan# 1083

Delta R.T. 0.00 min

Lab File: BM003361.D

Acq: 02 Dec 2015 18:09

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL2015-02

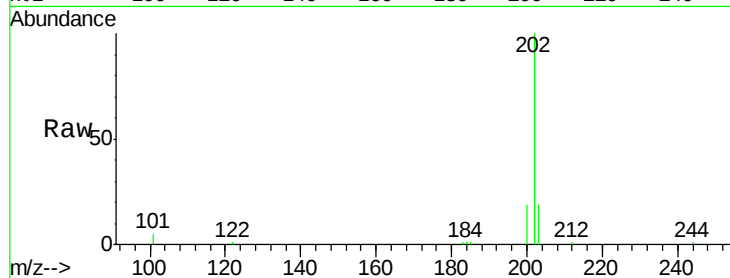
Tgt Ion:202 Resp: 7910

Ion Ratio Lower Upper

202 100

101 12.1 9.9 14.9

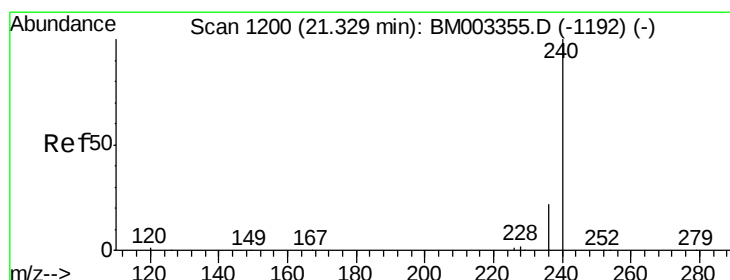
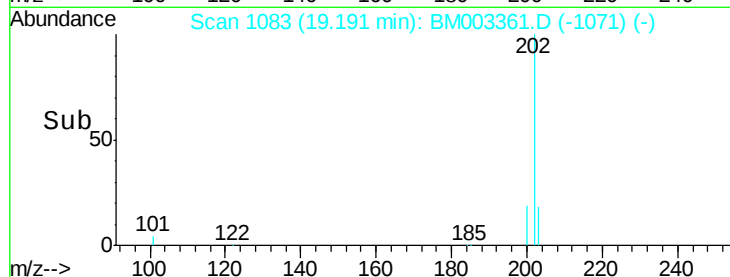
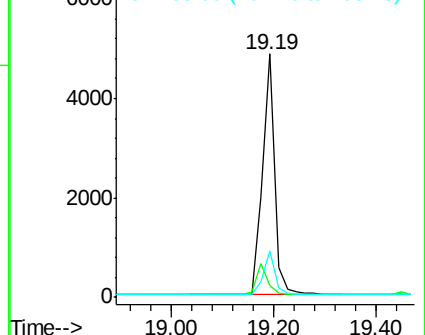
203 17.8 13.9 20.9



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. -0.02 min

Lab File: BM003361.D

Acq: 02 Dec 2015 18:09

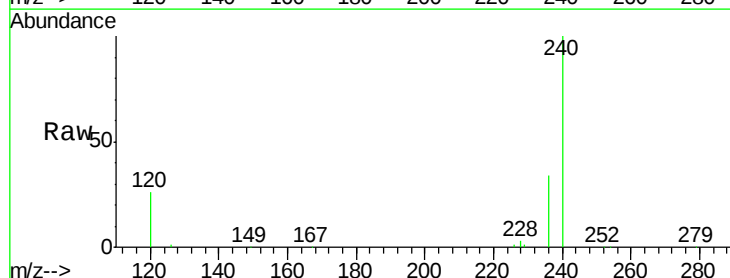
Tgt Ion:240 Resp: 159147

Ion Ratio Lower Upper

240 100

120 26.2 1.0 1.4#

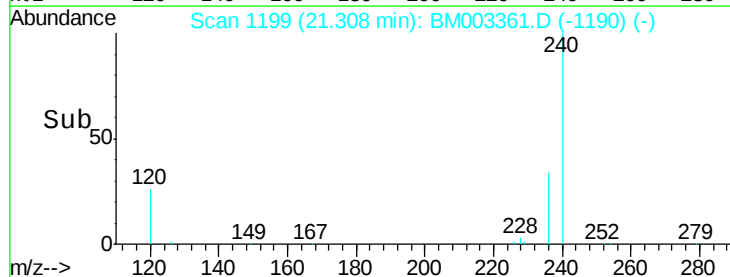
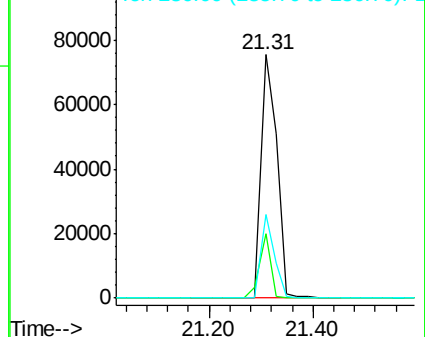
236 34.3 17.9 26.9#

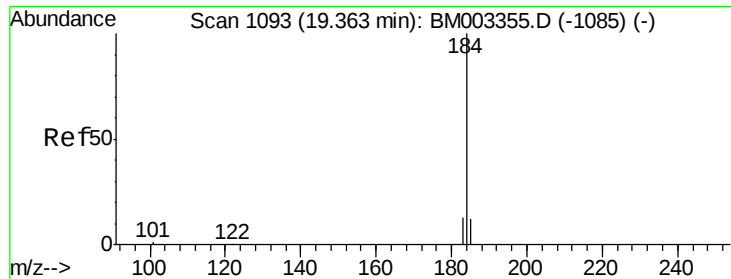


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#27

Benzidine

Concen: 0.44 ng

RT: 19.38 min Scan# 1094

Delta R.T. 0.02 min

Lab File: BM003361.D

Acq: 02 Dec 2015 18:09

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL2015-02

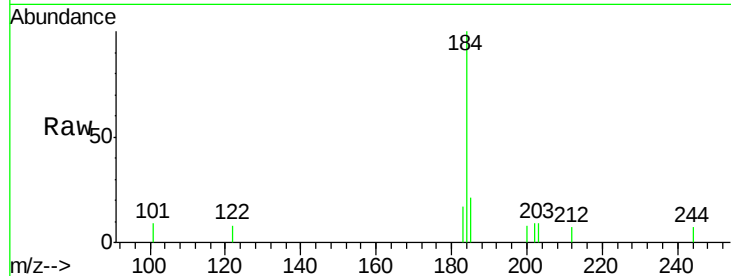
Tgt Ion:184 Resp: 1441

Ion Ratio Lower Upper

184 100

185 21.1 11.6 17.4#

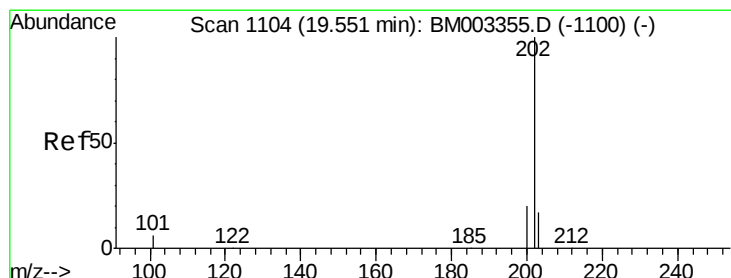
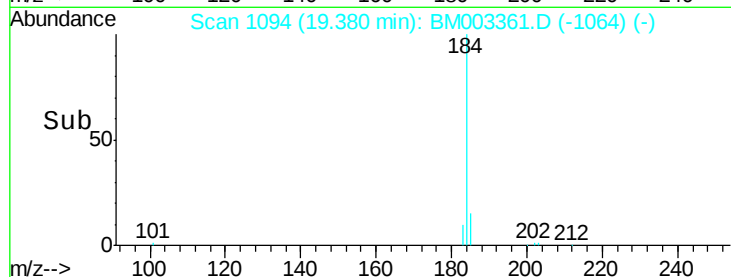
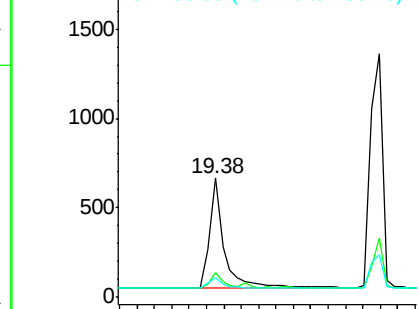
183 16.9 8.6 13.0#



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: 0.14 ng

RT: 19.55 min Scan# 1104

Delta R.T. 0.00 min

Lab File: BM003361.D

Acq: 02 Dec 2015 18:09

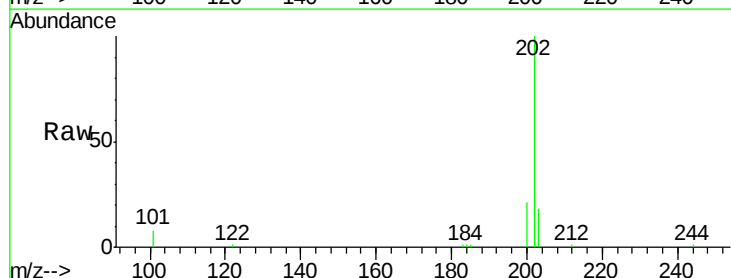
Tgt Ion:202 Resp: 8335

Ion Ratio Lower Upper

202 100

200 20.7 16.7 25.1

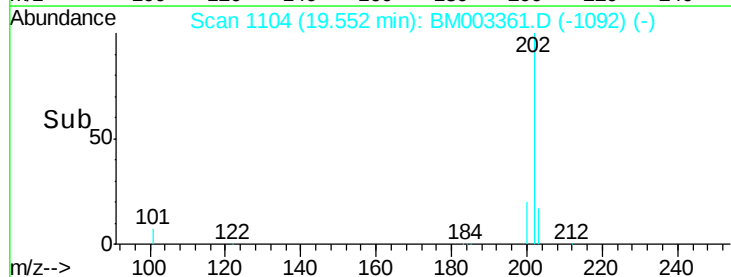
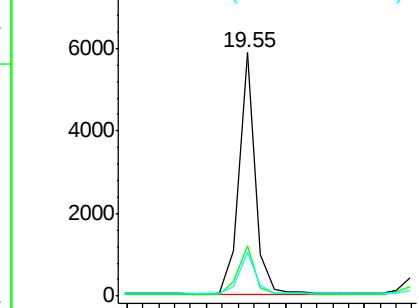
203 18.3 13.8 20.6

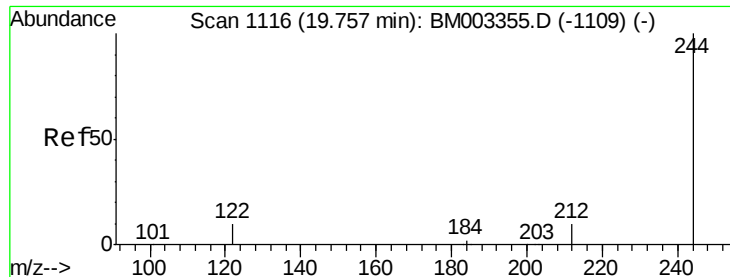


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 4.52 ng

RT: 19.76 min Scan# 1116

Delta R.T. 0.00 min

Lab File: BM003361.D

Acq: 02 Dec 2015 18:09

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL2015-02

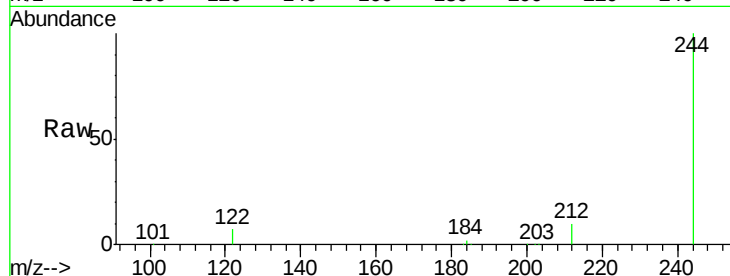
Tgt Ion:244 Resp: 116709

Ion Ratio Lower Upper

244 100

212 10.1 6.5 9.7#

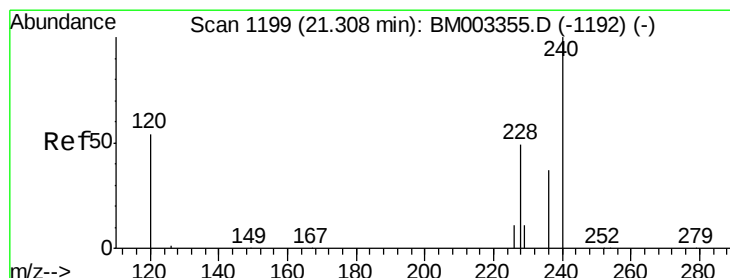
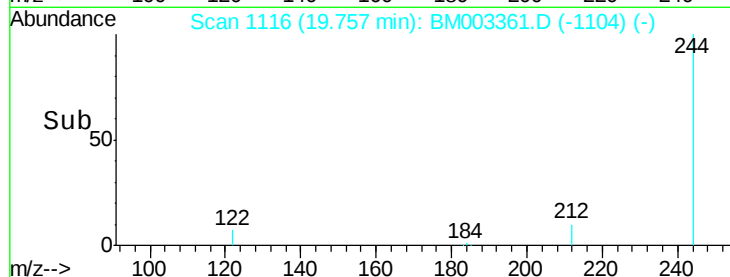
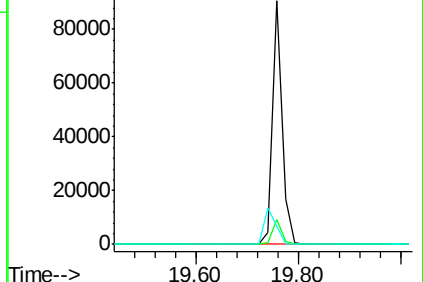
122 7.4 2.0 3.0#



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: 0.36 ng

RT: 21.35 min Scan# 1201

Delta R.T. 0.04 min

Lab File: BM003361.D

Acq: 02 Dec 2015 18:09

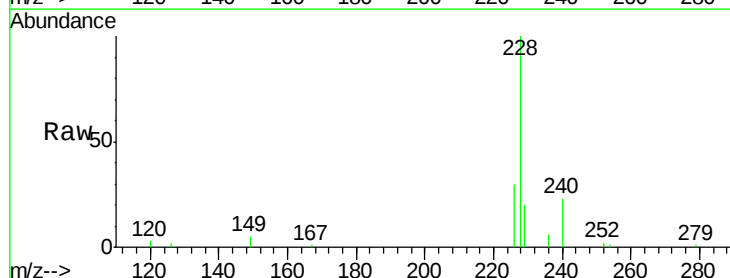
Tgt Ion:228 Resp: 15305

Ion Ratio Lower Upper

228 100

226 30.0 17.8 26.6#

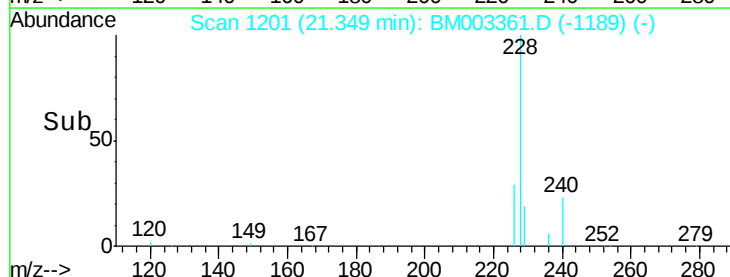
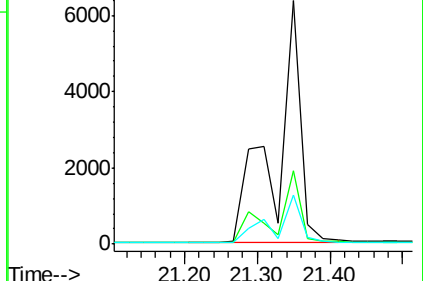
229 20.0 18.0 27.0

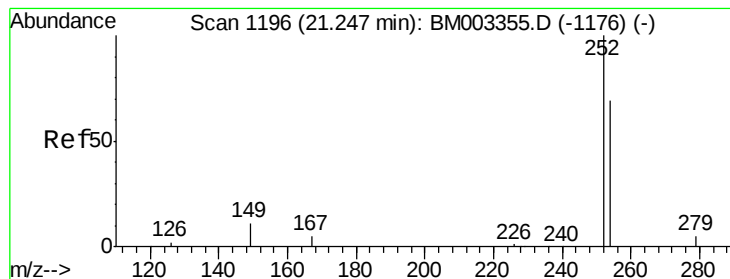


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

3,3'-Dichlorobenzidine

Concen: 0.21 ng

RT: 21.25 min Scan# 1196

Delta R.T. 0.00 min

Lab File: BM003361.D

Acq: 02 Dec 2015 18:09

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL2015-02

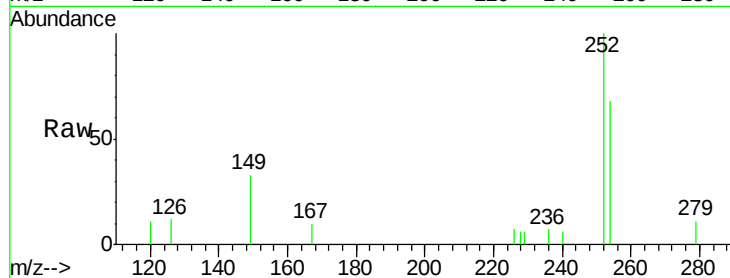
Tgt Ion:252 Resp: 1551

Ion Ratio Lower Upper

252 100

254 68.3 53.7 80.5

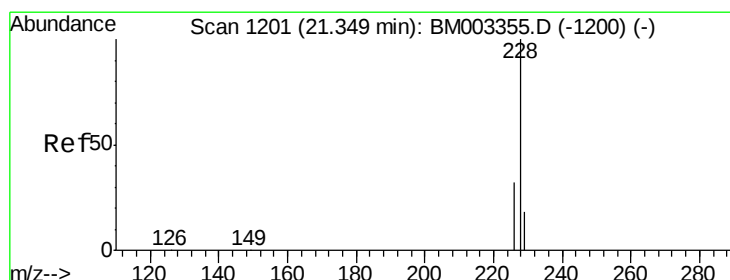
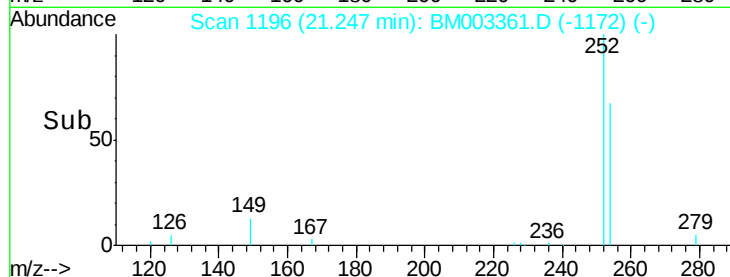
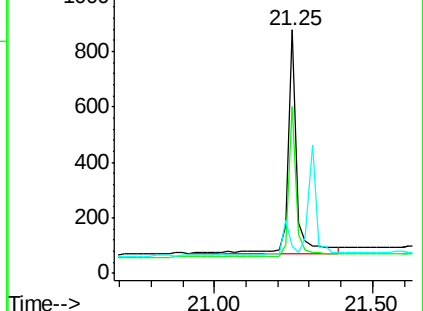
126 11.5 2.8 4.2#



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: 0.31 ng

RT: 21.35 min Scan# 1201

Delta R.T. 0.00 min

Lab File: BM003361.D

Acq: 02 Dec 2015 18:09

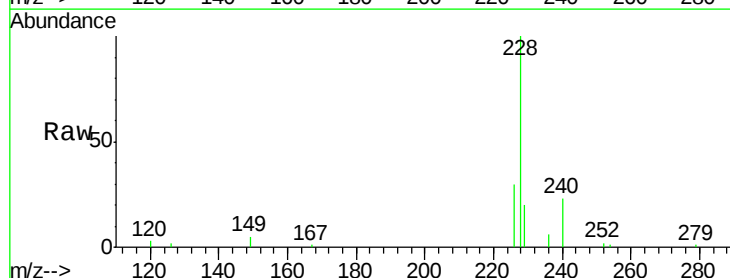
Tgt Ion:228 Resp: 15377

Ion Ratio Lower Upper

228 100

226 30.0 25.5 38.3

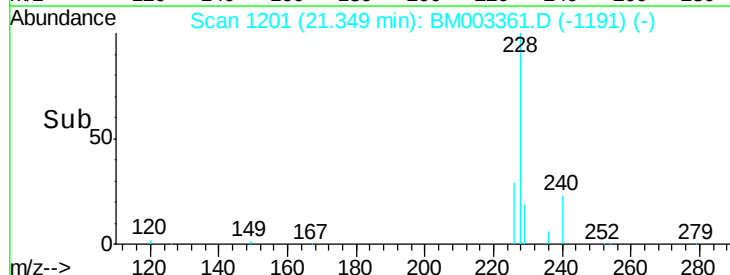
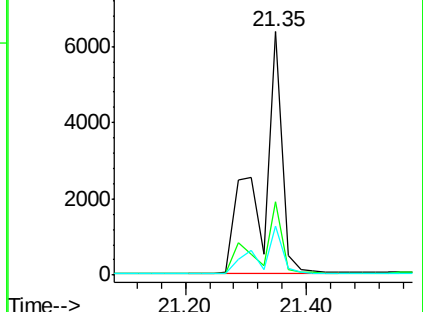
229 20.0 14.3 21.5

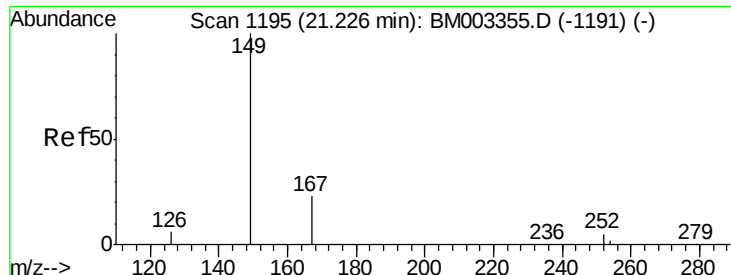


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#33

Bis(2-ethylhexyl)phthalate

Concen: 0.36 ng

RT: 21.23 min Scan# 1195

Delta R.T. 0.00 min

Lab File: BM003361.D

Acq: 02 Dec 2015 18:09

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL2015-02

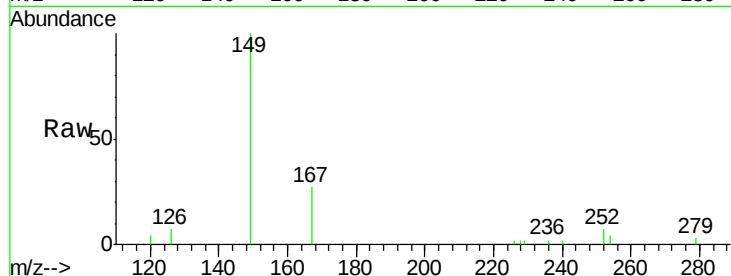
Tgt Ion:149 Resp: 3289

Ion Ratio Lower Upper

149 100

167 24.5 19.6 29.4

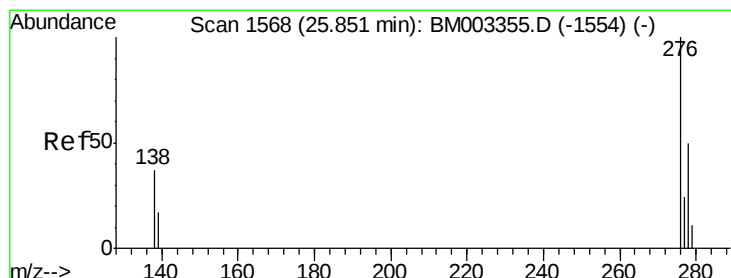
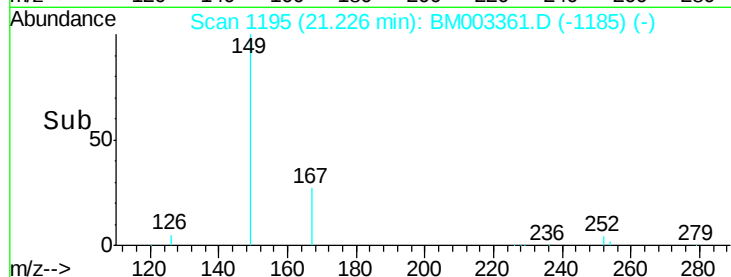
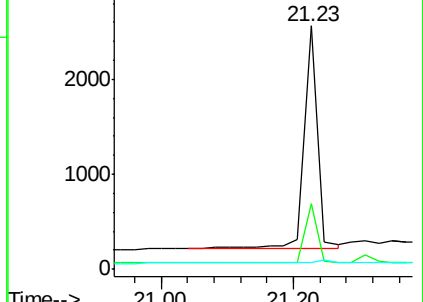
279 0.0 0.0 0.0



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: 25.86 min Scan# 1569

Delta R.T. 0.01 min

Lab File: BM003361.D

Acq: 02 Dec 2015 18:09

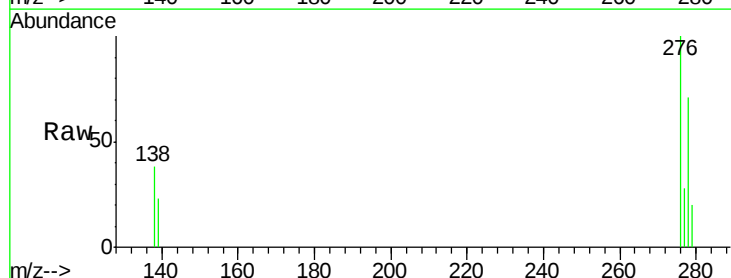
Tgt Ion:276 Resp: 6087

Ion Ratio Lower Upper

276 100

138 37.3 19.1 28.7#

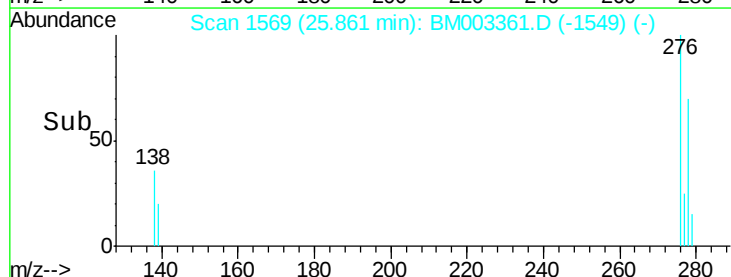
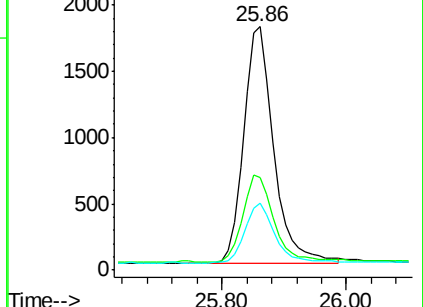
277 24.9 15.9 23.9#

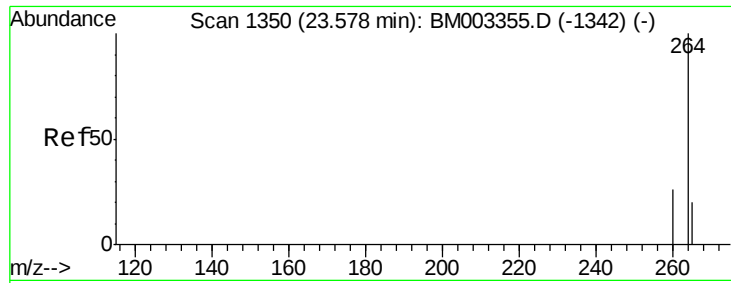


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

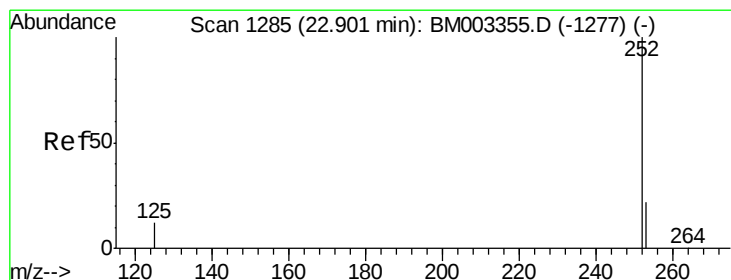
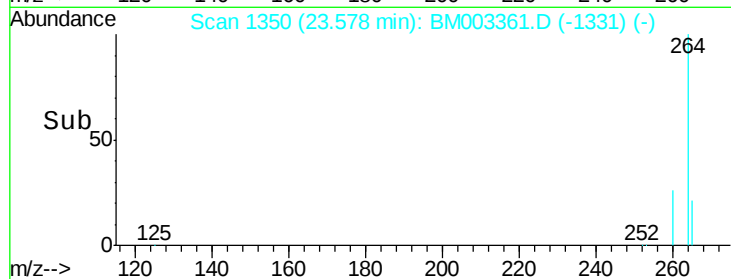
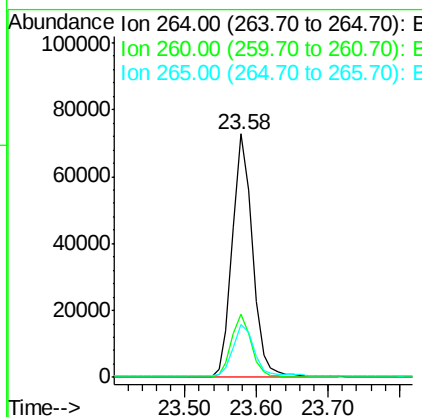
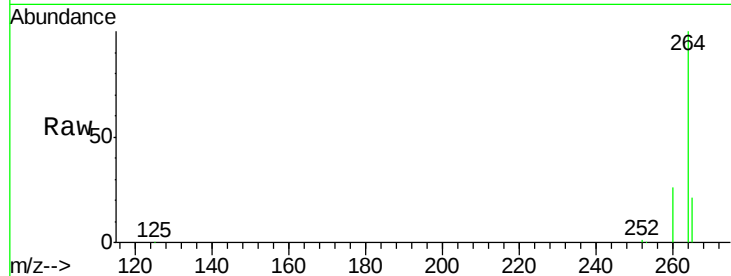




#35
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.58 min Scan# 1350
 Delta R.T. 0.00 min
 Lab File: BM003361.D
 Acq: 02 Dec 2015 18:09

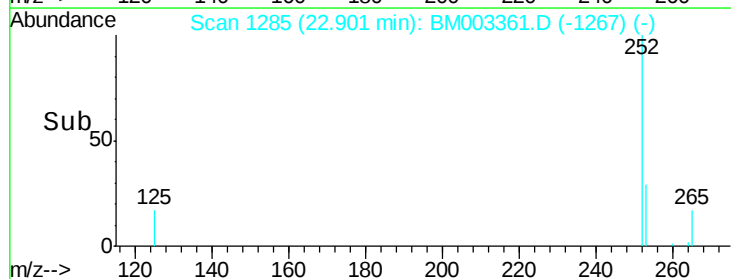
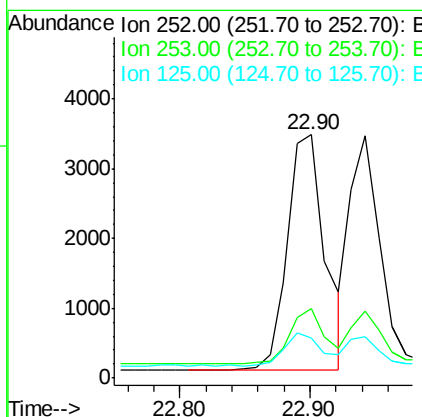
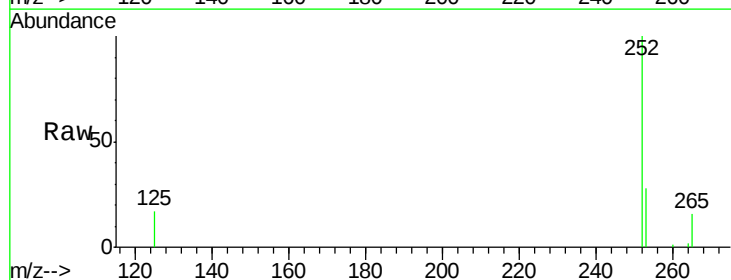
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL2015-02

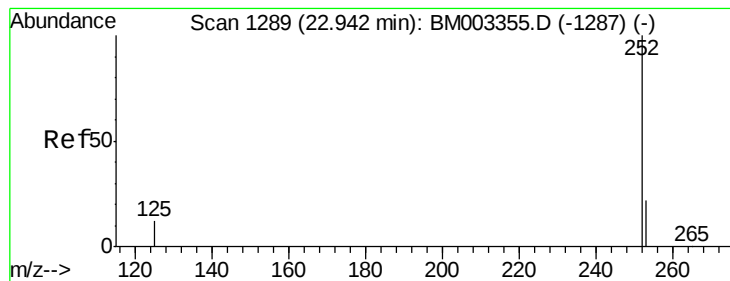
Tgt Ion: 264 Resp: 142241
 Ion Ratio Lower Upper
 264 100
 260 25.9 19.6 29.4
 265 21.5 18.4 27.6



#36
 Benzo(b)fluoranthene
 Concen: 0.16 ng
 RT: 22.90 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: BM003361.D
 Acq: 02 Dec 2015 18:09

Tgt Ion: 252 Resp: 6734
 Ion Ratio Lower Upper
 252 100
 253 28.3 18.2 27.4#
 125 16.7 10.3 15.5#





#37

Benzo(k)fluoranthene

Concen: 0.14 ng

RT: 22.94 min Scan# 1289

Delta R.T. 0.00 min

Lab File: BM003361.D

Acq: 02 Dec 2015 18:09

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL2015-02

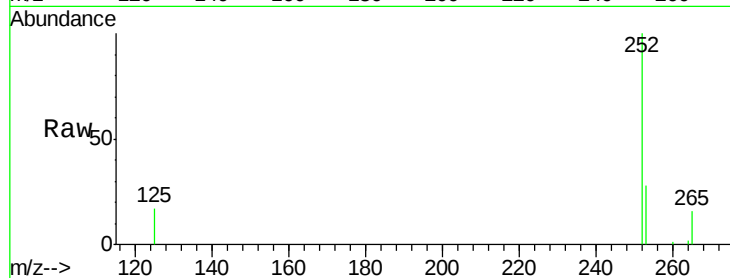
Tgt Ion:252 Resp: 5622

Ion Ratio Lower Upper

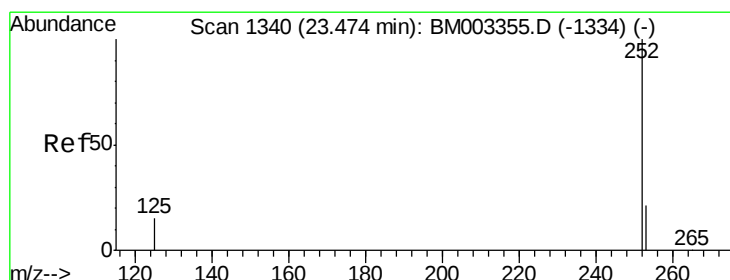
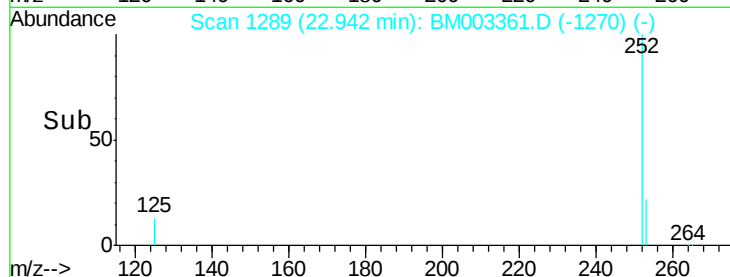
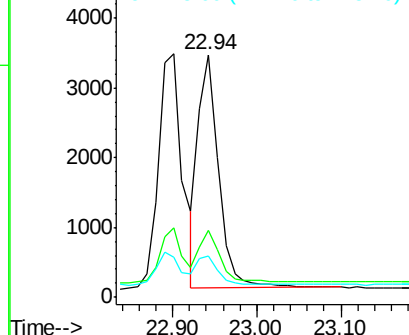
252 100

253 27.5 17.5 26.3#

125 17.2 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: 0.14 ng

RT: 23.47 min Scan# 1340

Delta R.T. 0.00 min

Lab File: BM003361.D

Acq: 02 Dec 2015 18:09

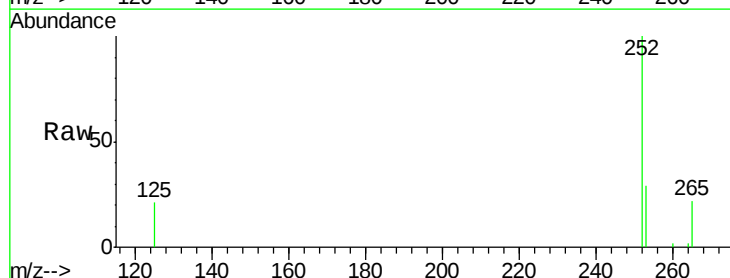
Tgt Ion:252 Resp: 5088

Ion Ratio Lower Upper

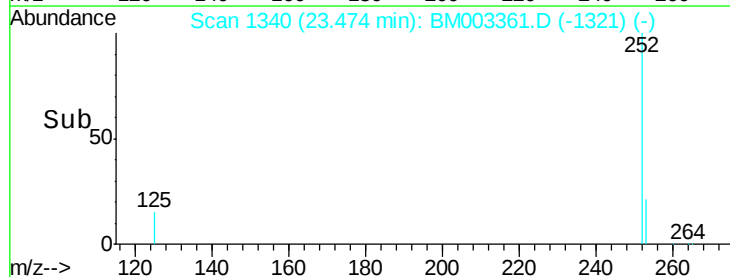
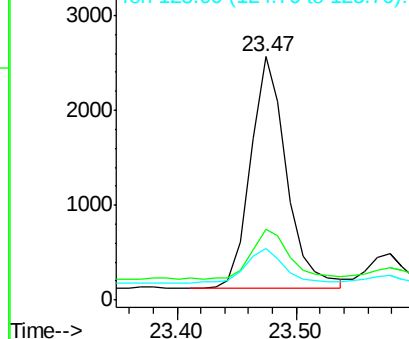
252 100

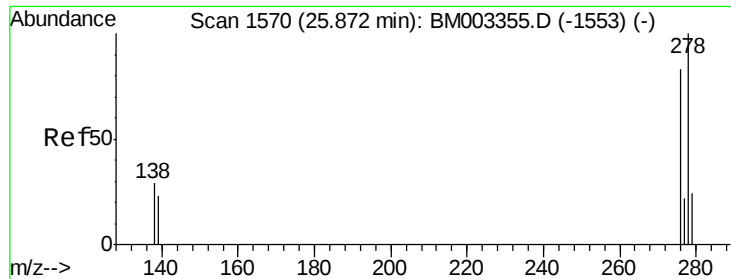
253 29.0 18.7 28.1#

125 21.4 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: 0.15 ng

RT: 25.87 min Scan# 1570

Delta R.T. 0.00 min

Lab File: BM003361.D

Acq: 02 Dec 2015 18:09

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL2015-02

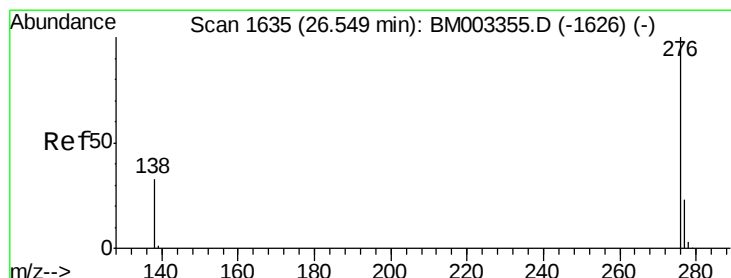
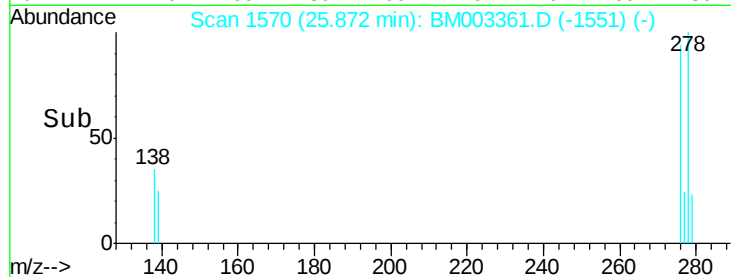
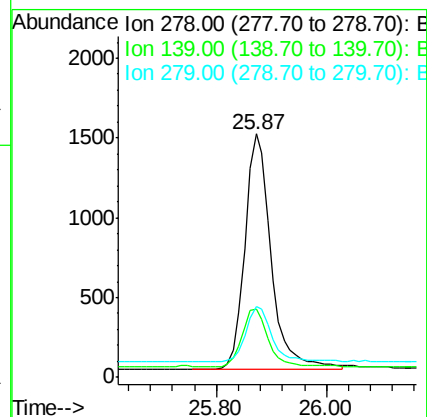
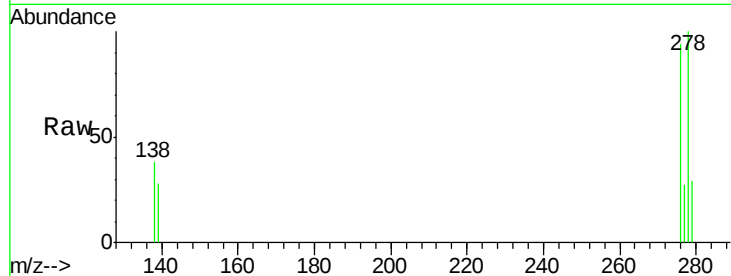
Tgt Ion:278 Resp: 4907

Ion Ratio Lower Upper

278 100

139 28.2 18.2 27.4#

279 28.9 18.8 28.2#



#40

Benzo(g,h,i)perylene

Concen: 0.17 ng

RT: 26.55 min Scan# 1635

Delta R.T. 0.00 min

Lab File: BM003361.D

Acq: 02 Dec 2015 18:09

Tgt Ion:276 Resp: 5647

Ion Ratio Lower Upper

276 100

277 25.7 19.0 28.6

138 36.5 22.3 33.5#

