

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM010216\
 Data File : BM003918.D
 Acq On : 31 Dec 2015 17:28
 Operator : SJ/UM
 Sample : G4825-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

Quant Time: Jan 02 05:09:57 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BM010216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 31 15:37:36 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	40624	5.00	ng	0.00
7) Naphthalene-d8	10.46	136	165185	5.00	ng	0.00
13) Acenaphthene-d10	14.31	164	84431	5.00	ng	-0.02
19) Phenanthrene-d10	17.07	188	212691	5.00	ng	0.00
26) Chrysene-d12	21.28	240	147277	5.00	ng	0.01
35) Perylene-d12	23.52	264	102792	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.27	112	73823	8.88	ng	0.00
5) Phenol-d6	6.85	99	91097	8.95	ng	0.00
8) Nitrobenzene-d5	8.84	82	35617	4.39	ng	0.00
14) 2,4,6-Tribromophenol	15.82	330	16826	6.67	ng	0.00
15) 2-Fluorobiphenyl	12.94	172	127764	4.69	ng	0.00
29) Terphenyl-d14	19.71	244	112373	4.71	ng	-0.01

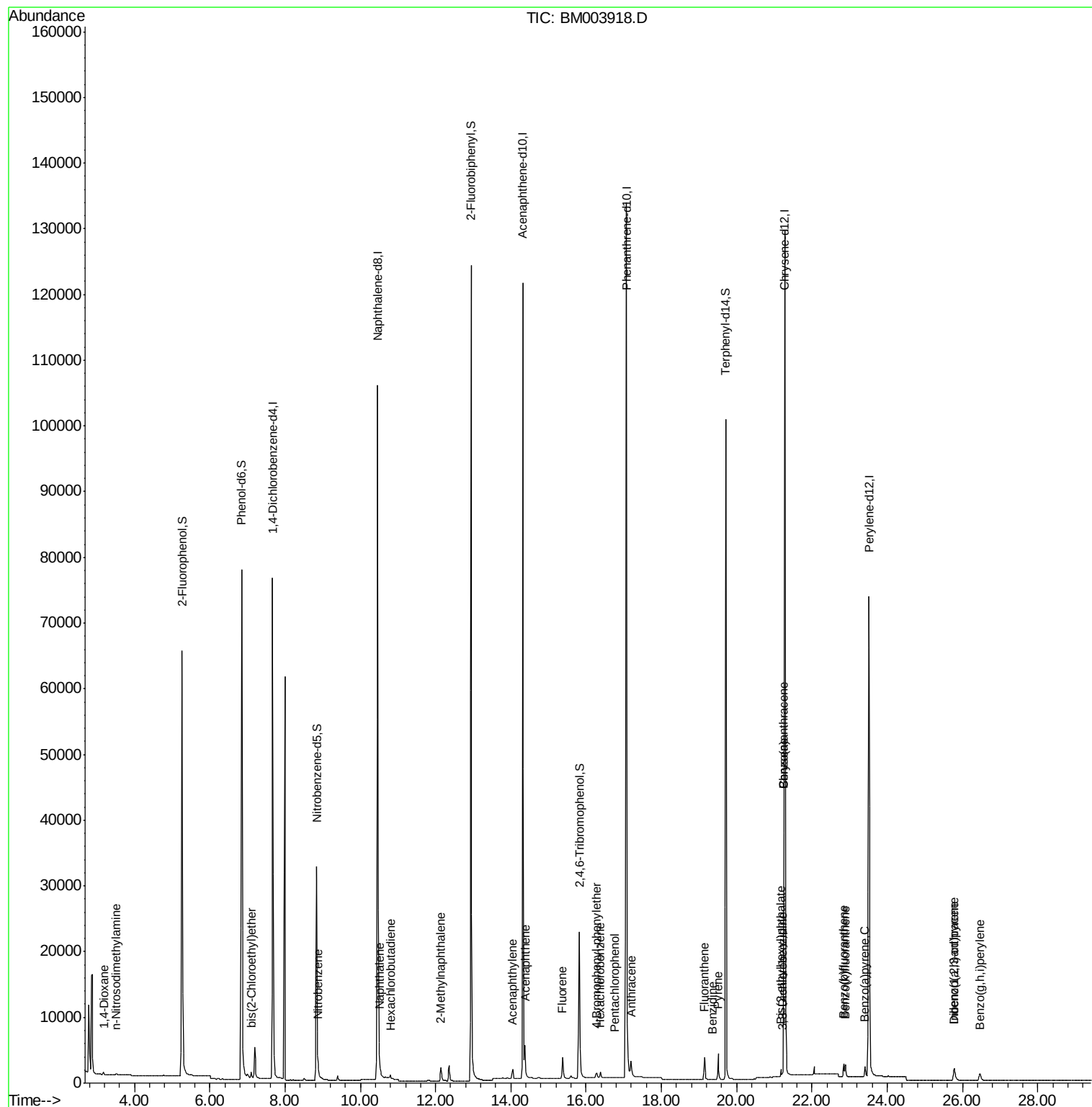
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.18	88	516	0.09	ng	# 78
3) n-Nitrosodimethylamine	3.51	42	268	0.06	ng	# 83
6) bis(2-Chloroethyl)ether	7.11	93	765	0.08	ng	# 96
9) Nitrobenzene	8.88	77	877	0.10	ng	# 92
10) Naphthalene	10.51	128	3383	0.09	ng	# 94
11) Hexachlorobutadiene	10.80	225	491	0.09	ng	# 97
12) 2-Methylnaphthalene	12.14	142	2132	0.09	ng	# 89
16) Acenaphthylene	14.05	152	2538	0.07	ng	100
17) Acenaphthene	14.38	154	2670	0.11	ng	92
18) Fluorene	15.38	166	2514	0.09	ng	96
20) 4-Bromophenyl-phenylether	16.28	248	577	0.09	ng	# 60
21) Hexachlorobenzene	16.38	284	662	0.09	ng	# 71
22) Pentachlorophenol	16.76	266	71	0.16	ng	# 73
24) Anthracene	17.20	178	3412	0.08	ng	98
25) Fluoranthene	19.15	202	4205	0.09	ng	99
27) Benzidine	19.37	184	356	0.15	ng	# 9
28) Pyrene	19.51	202	4364	0.08	ng	99
30) Benzo(a)anthracene	21.26	228	7654	0.18	ng	# 93
31) 3,3'-Dichlorobenzidine	21.22	252	550	0.28	ng	# 85
32) Chrysene	21.26	228	7727	0.18	ng	# 91
33) Bis(2-ethylhexyl)phthalate	21.17	149	1543	0.41	ng	# 92
34) Indeno(1,2,3-cd)pyrene	25.78	276	2635	0.08	ng	100
36) Benzo(b)fluoranthene	22.84	252	3153	0.10	ng	# 82
37) Benzo(k)fluoranthene	22.89	252	2618	0.09	ng	# 79
38) Benzo(a)pyrene	23.41	252	2345	0.09	ng	# 74
39) Dibenzo(a,h)anthracene	25.79	278	2046	0.09	ng	# 76
40) Benzo(g,h,i)perylene	26.47	276	2387	0.10	ng	# 86

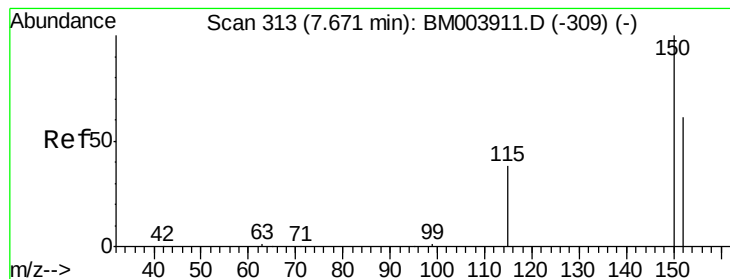
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.67 min Scan# 313

Delta R.T. 0.00 min

Lab File: BM003918.D

Acq: 31 Dec 2015 17:28

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

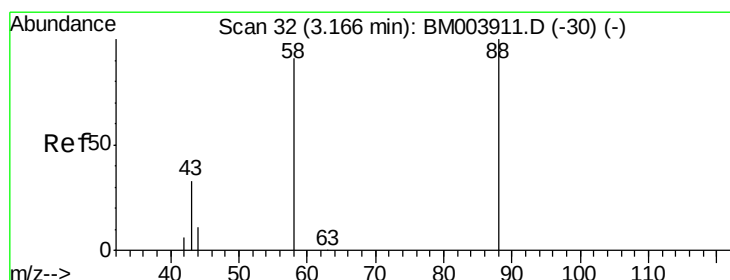
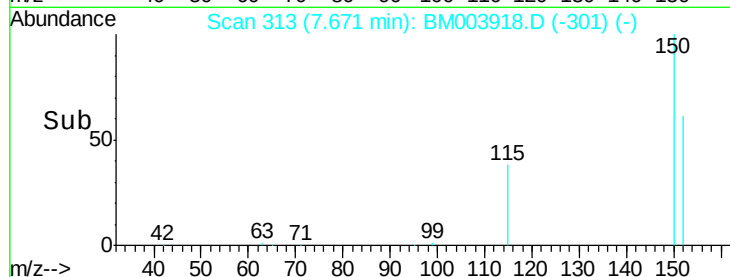
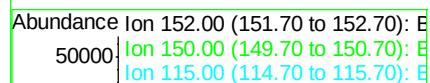
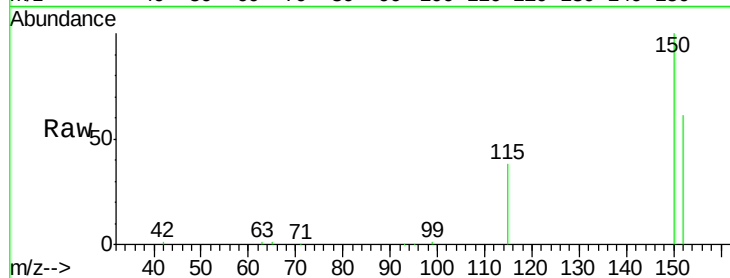
Tgt Ion: 152 Resp: 40624

Ion Ratio Lower Upper

152 100

150 165.0 122.9 184.3

115 62.8 44.4 66.6



#2

1,4-Dioxane

Concen: 0.09 ng

RT: 3.18 min Scan# 33

Delta R.T. 0.02 min

Lab File: BM003918.D

Acq: 31 Dec 2015 17:28

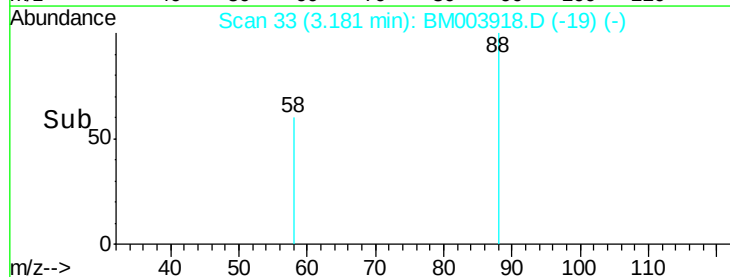
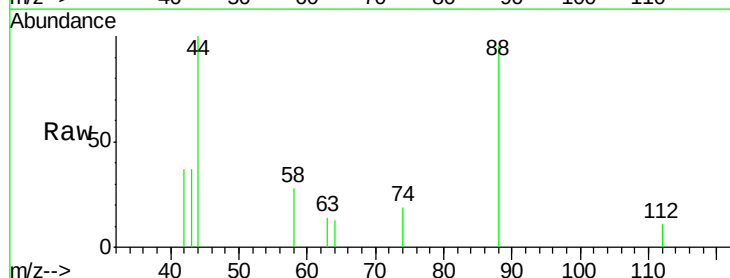
Tgt Ion: 88 Resp: 516

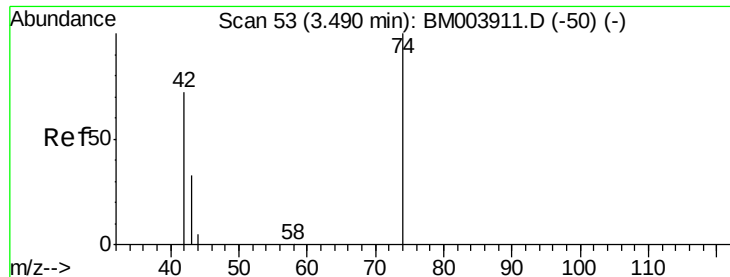
Ion Ratio Lower Upper

88 100

58 46.3 53.8 80.6#

43 23.4 23.8 35.6#





#3

n-Nitrosodimethylamine

Concen: 0.06 ng

RT: 3.51 min Scan# 54

Delta R.T. 0.02 min

Lab File: BM003918.D

Acq: 31 Dec 2015 17:28

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

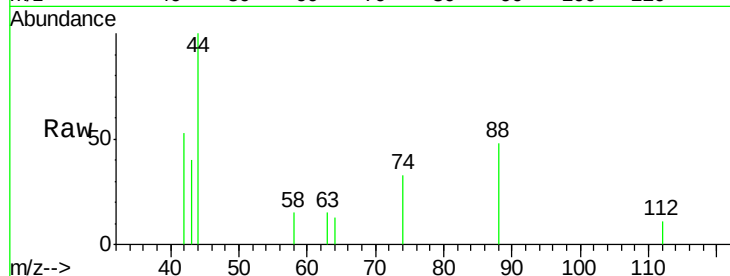
Tgt Ion: 42 Resp: 268

Ion Ratio Lower Upper

42 100

74 135.8 95.0 142.4

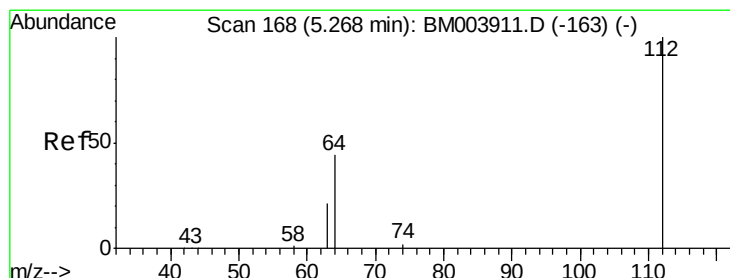
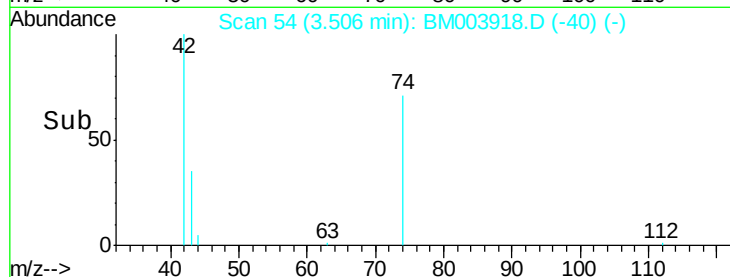
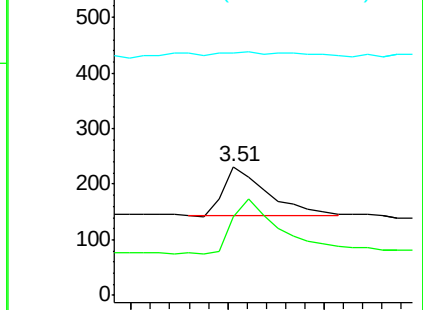
44 20.1 5.1 7.7#



Abundance Ion 42.00 (41.70 to 42.70): BM003911.D (-50) (-)

Ion 74.00 (73.70 to 74.70): BM003911.D (-50) (-)

Ion 44.00 (43.70 to 44.70): BM003911.D (-50) (-)



#4

2-Fluorophenol

Concen: 8.88 ng

RT: 5.27 min Scan# 168

Delta R.T. 0.00 min

Lab File: BM003918.D

Acq: 31 Dec 2015 17:28

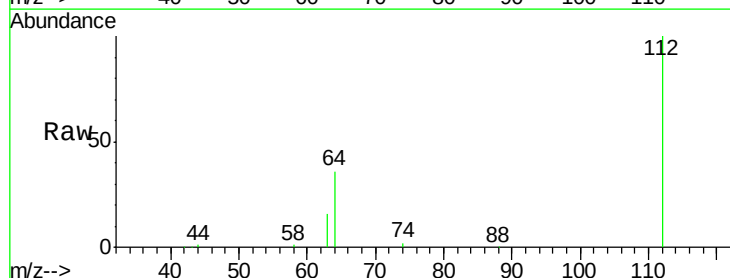
Tgt Ion: 112 Resp: 73823

Ion Ratio Lower Upper

112 100

64 52.7 41.8 62.8

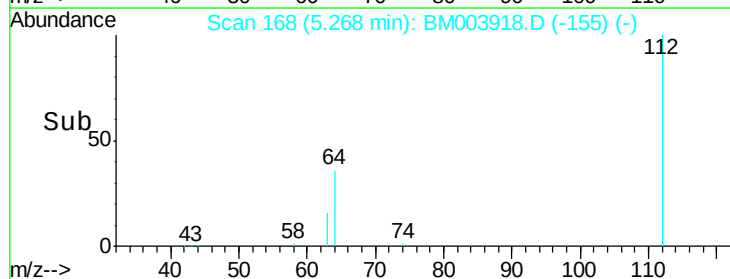
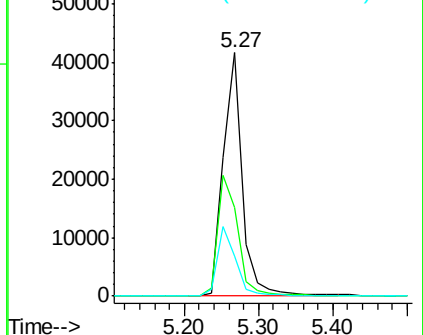
63 27.8 22.1 33.1

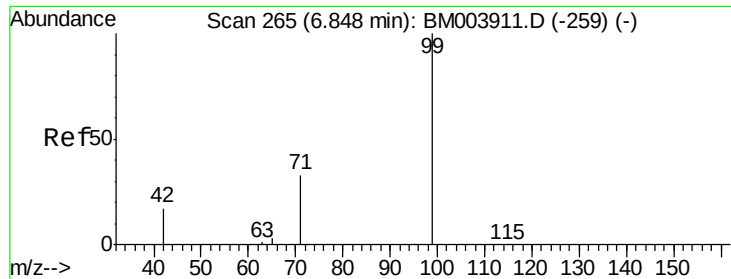


Abundance Ion 112.00 (111.70 to 112.70): BM003911.D (-163) (-)

Ion 64.00 (63.70 to 64.70): BM003911.D (-163) (-)

Ion 63.00 (62.70 to 63.70): BM003911.D (-163) (-)





#5

Phenol-d6

Concen: 8.95 ng

RT: 6.85 min Scan# 265

Delta R.T. 0.00 min

Lab File: BM003918.D

Acq: 31 Dec 2015 17:28

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

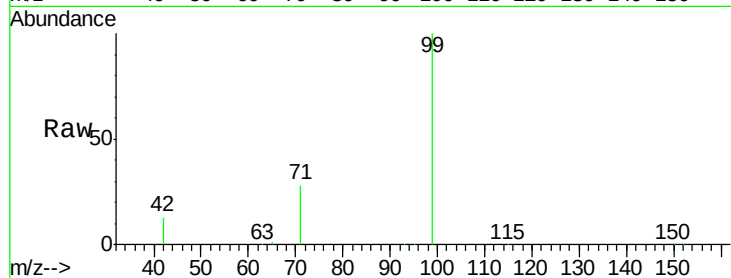
Tgt Ion: 99 Resp: 91097

Ion Ratio Lower Upper

99 100

42 19.1 16.2 24.2

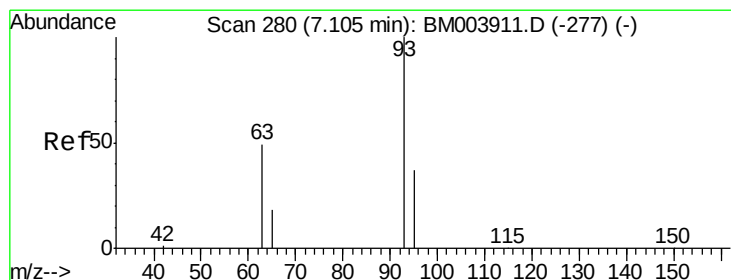
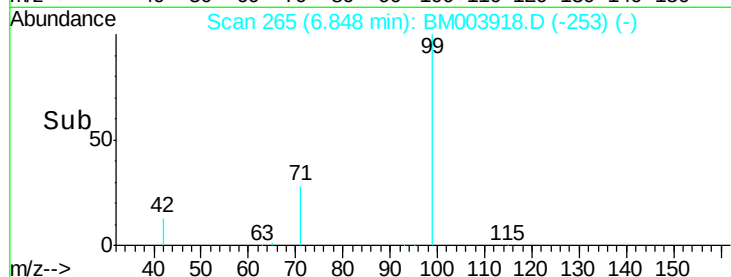
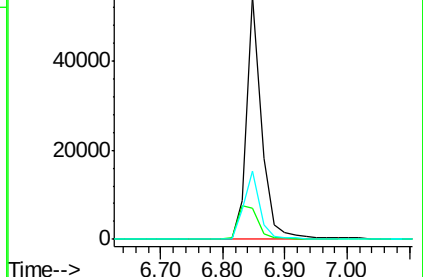
71 30.4 24.4 36.6



Abundance Ion 99.00 (98.70 to 99.70): BM003911.D (-259) (-)

Ion 42.00 (41.70 to 42.70): BM003911.D (-259) (-)

Ion 71.00 (70.70 to 71.70): BM003911.D (-259) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.08 ng

RT: 7.11 min Scan# 280

Delta R.T. 0.00 min

Lab File: BM003918.D

Acq: 31 Dec 2015 17:28

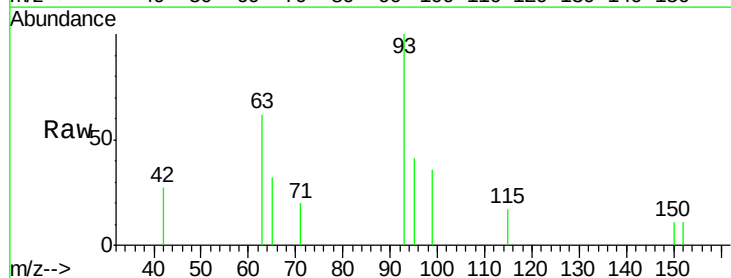
Tgt Ion: 93 Resp: 765

Ion Ratio Lower Upper

93 100

63 76.3 58.3 87.5

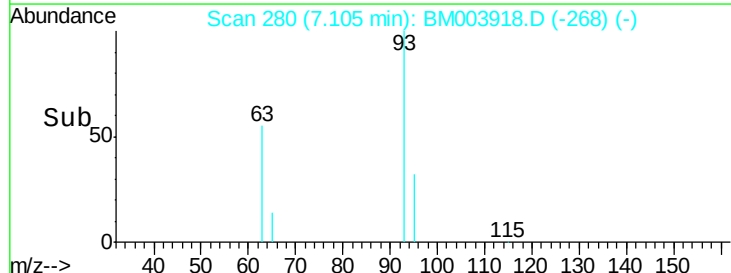
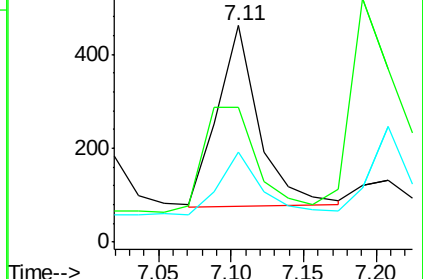
95 34.9 25.8 38.8

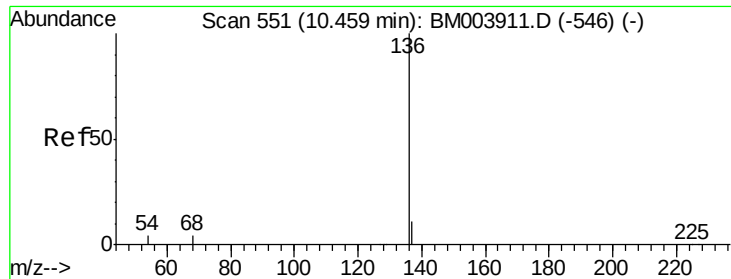


Abundance Ion 93.00 (92.70 to 93.70): BM003911.D (-277) (-)

Ion 63.00 (62.70 to 63.70): BM003911.D (-277) (-)

Ion 95.00 (94.70 to 95.70): BM003911.D (-277) (-)





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.46 min Scan# 551

Delta R.T. 0.00 min

Lab File: BM003918.D

Acq: 31 Dec 2015 17:28

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

Tgt Ion:136 Resp: 165185

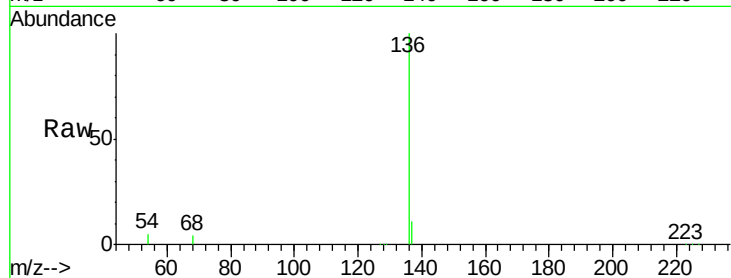
Ion Ratio Lower Upper

136 100

137 11.1 9.2 13.8

54 5.0 2.8 4.2#

68 4.0 2.5 3.7#

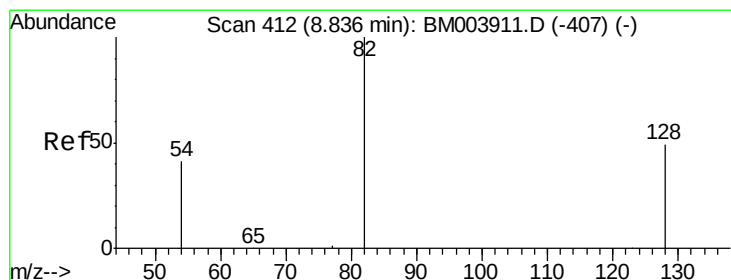
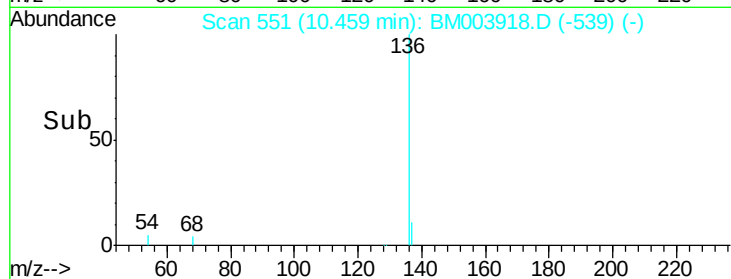
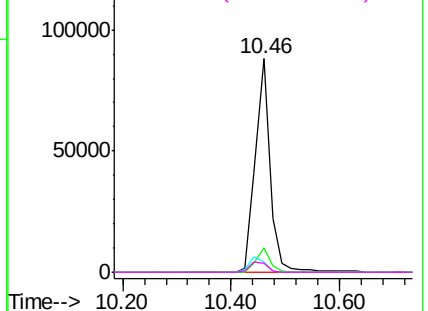


Abundance Ion 136.00 (135.70 to 136.70): E

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: 4.39 ng

RT: 8.84 min Scan# 412

Delta R.T. 0.00 min

Lab File: BM003918.D

Acq: 31 Dec 2015 17:28

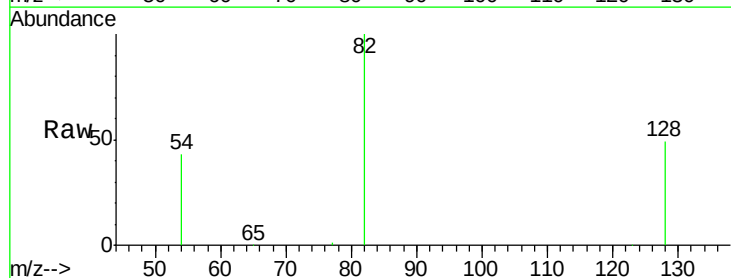
Tgt Ion: 82 Resp: 35617

Ion Ratio Lower Upper

82 100

128 48.6 39.1 58.7

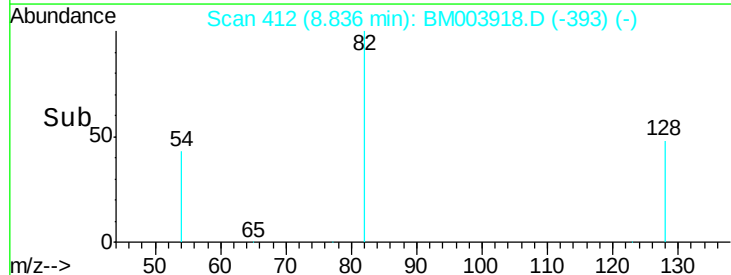
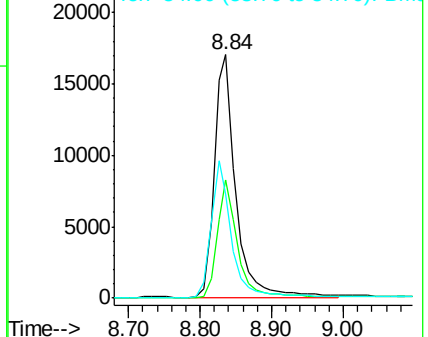
54 42.7 34.8 52.2

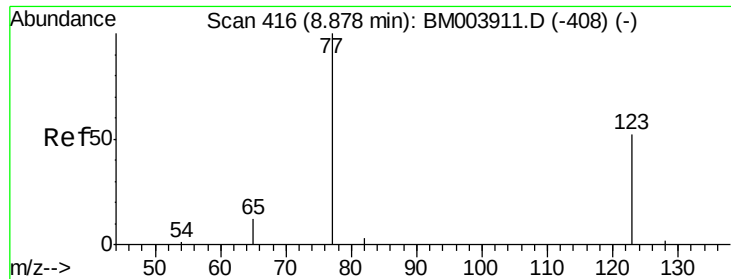


Abundance Ion 82.00 (81.70 to 82.70): BM

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM





#9

Nitrobenzene

Concen: 0.10 ng

RT: 8.88 min Scan# 416

Delta R.T. 0.00 min

Lab File: BM003918.D

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Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

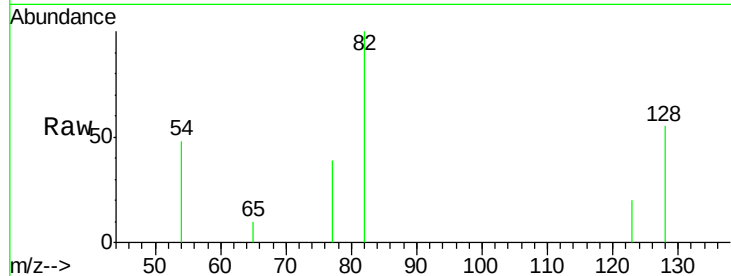
Tgt Ion: 77 Resp: 877

Ion Ratio Lower Upper

77 100

123 42.9 38.6 57.8

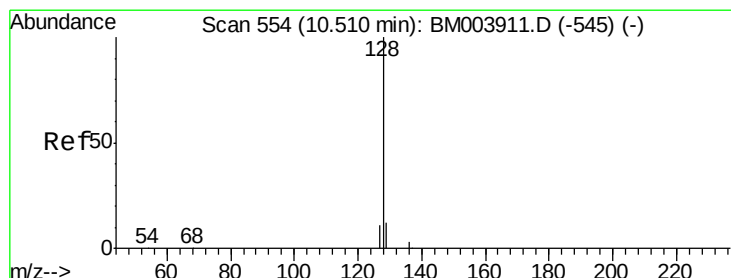
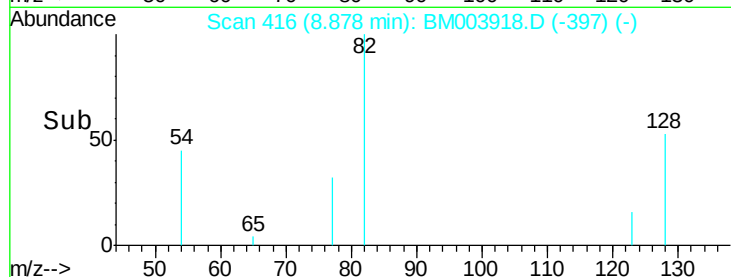
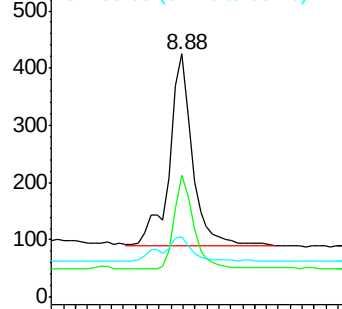
65 16.4 9.9 14.9#



Abundance Ion 77.00 (76.70 to 77.70): BM003911.D (-408) (-)

Ion 123.00 (122.70 to 123.70): BM003911.D (-408) (-)

Ion 65.00 (64.70 to 65.70): BM003911.D (-408) (-)



#10

Naphthalene

Concen: 0.09 ng

RT: 10.51 min Scan# 554

Delta R.T. 0.00 min

Lab File: BM003918.D

Acq: 31 Dec 2015 17:28

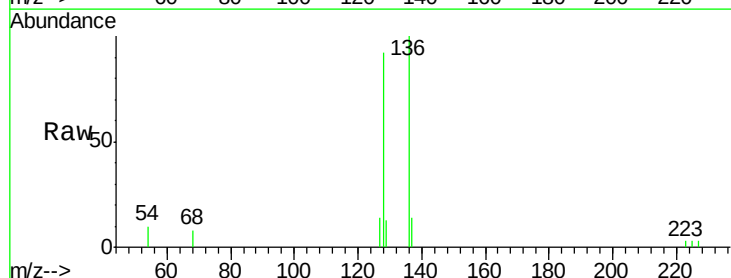
Tgt Ion: 128 Resp: 3383

Ion Ratio Lower Upper

128 100

129 14.5 8.5 12.7#

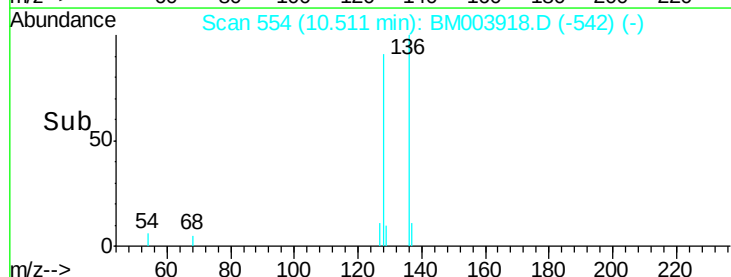
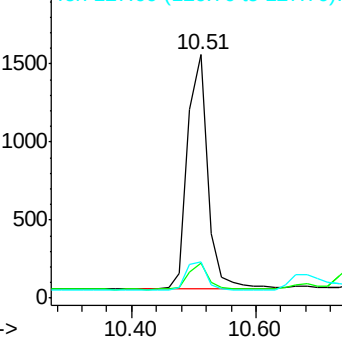
127 14.7 11.0 16.4

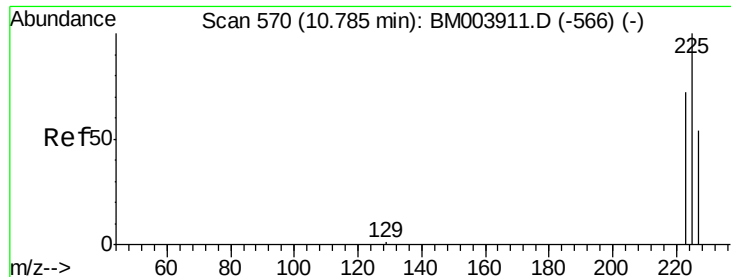


Abundance Ion 128.00 (127.70 to 128.70): BM003911.D (-545) (-)

Ion 129.00 (128.70 to 129.70): BM003911.D (-545) (-)

Ion 127.00 (126.70 to 127.70): BM003911.D (-545) (-)

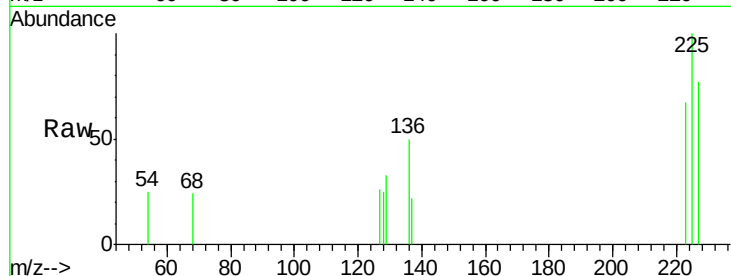




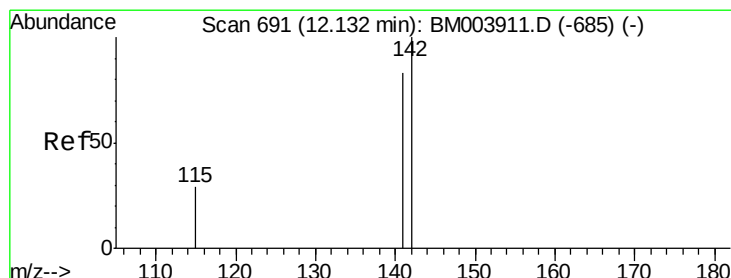
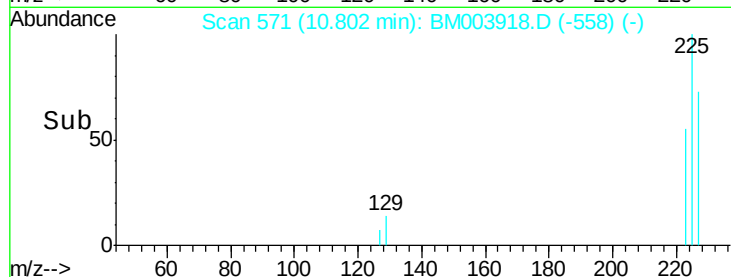
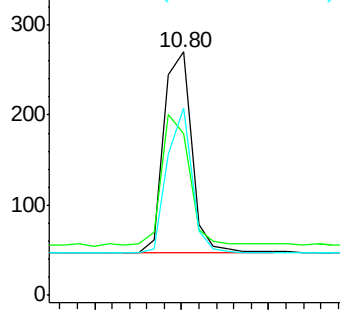
#11
Hexachlorobutadiene
Concen: 0.09 ng
RT: 10.80 min Scan# 571
Delta R.T. 0.02 min
Lab File: BM003918.D
Acq: 31 Dec 2015 17:28

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion: 225 Resp: 491
Ion Ratio Lower Upper
225 100
223 67.6 50.9 76.3
227 65.0 51.2 76.8

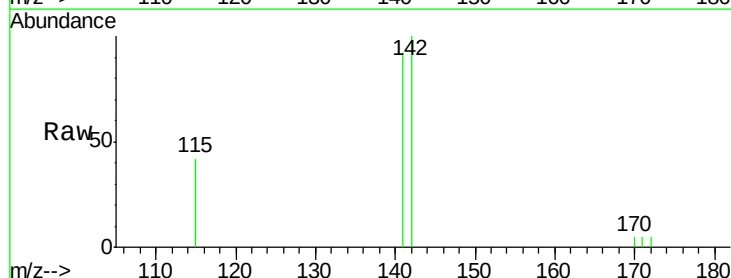


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

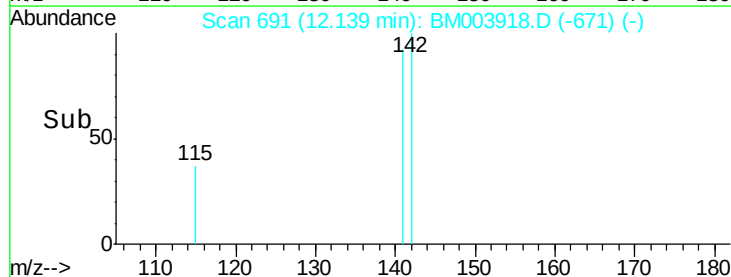
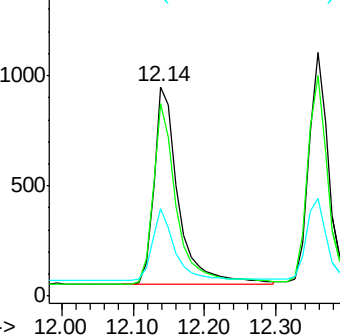


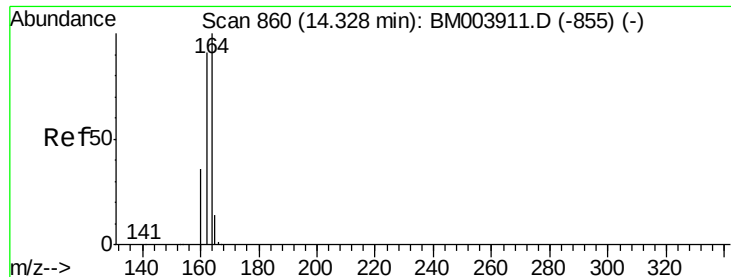
#12
2-Methylnaphthalene
Concen: 0.09 ng
RT: 12.14 min Scan# 691
Delta R.T. 0.01 min
Lab File: BM003918.D
Acq: 31 Dec 2015 17:28

Tgt Ion: 142 Resp: 2132
Ion Ratio Lower Upper
142 100
141 92.1 67.8 101.8
115 41.7 25.3 37.9#



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: 14.31 min Scan# 859

Delta R.T. -0.02 min

Lab File: BM003918.D

Acq: 31 Dec 2015 17:28

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

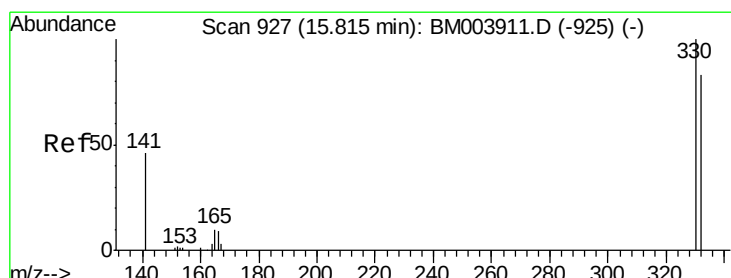
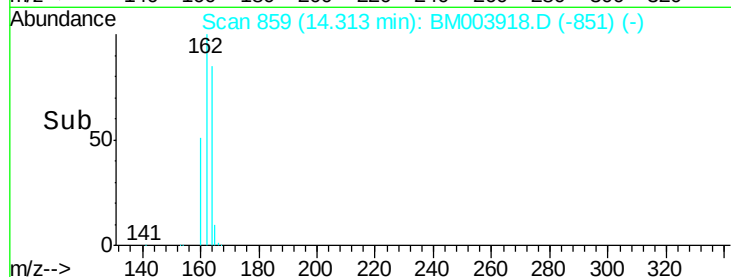
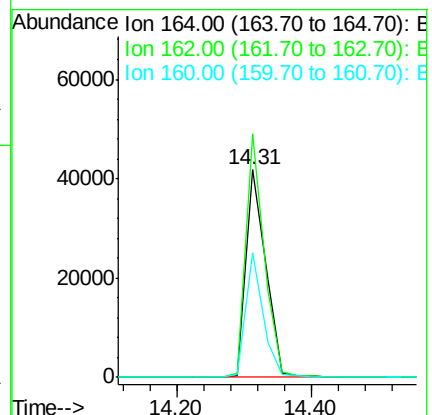
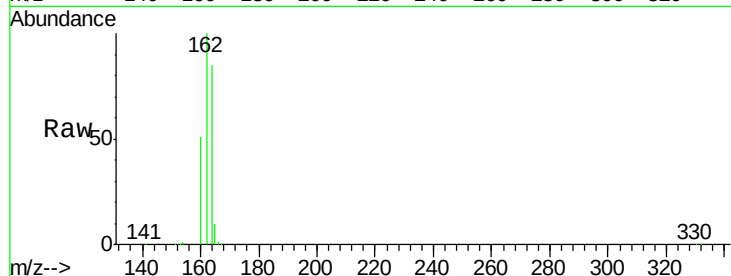
Tgt Ion:164 Resp: 84431

Ion Ratio Lower Upper

164 100

162 117.4 86.0 129.0

160 60.3 40.3 60.5



#14

2,4,6-Tribromophenol

Concen: 6.67 ng

RT: 15.82 min Scan# 927

Delta R.T. 0.01 min

Lab File: BM003918.D

Acq: 31 Dec 2015 17:28

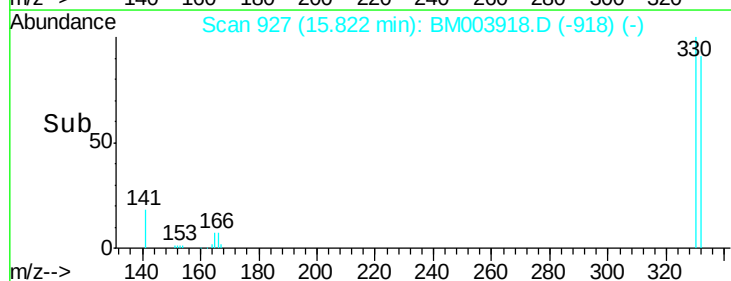
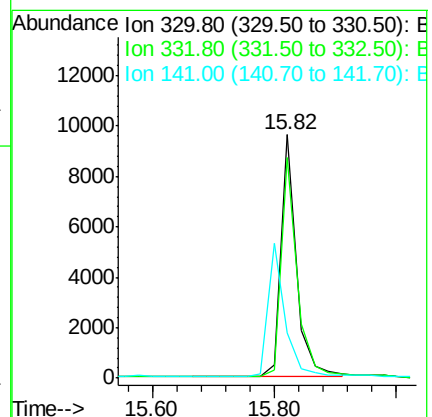
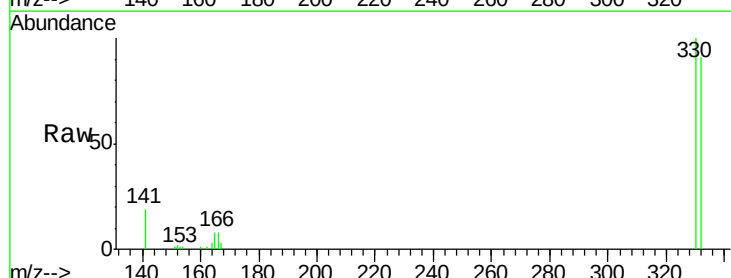
Tgt Ion:330 Resp: 16826

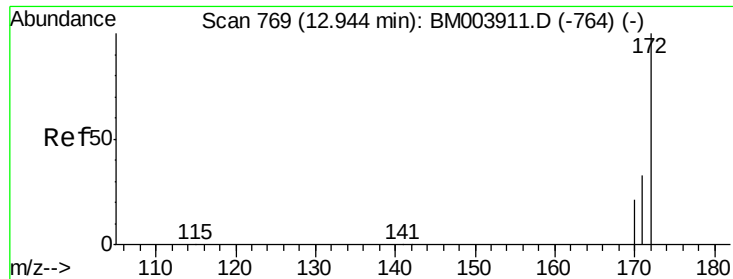
Ion Ratio Lower Upper

330 100

332 93.7 79.0 118.4

141 0.0 0.0 0.0

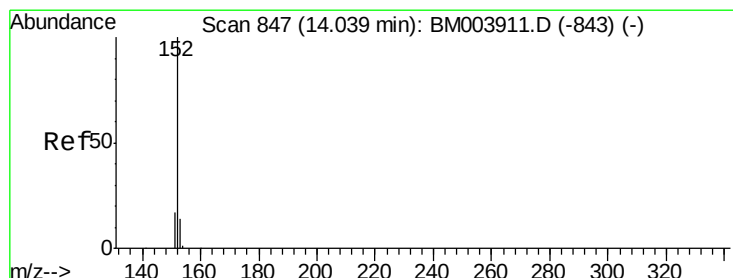
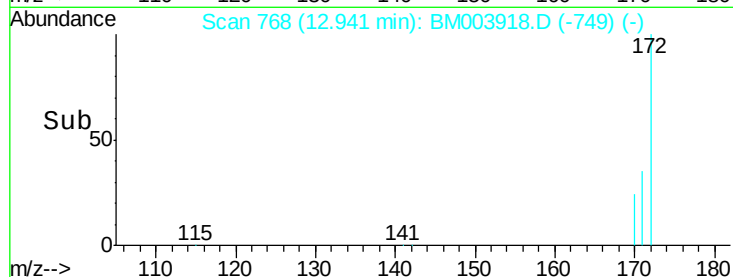
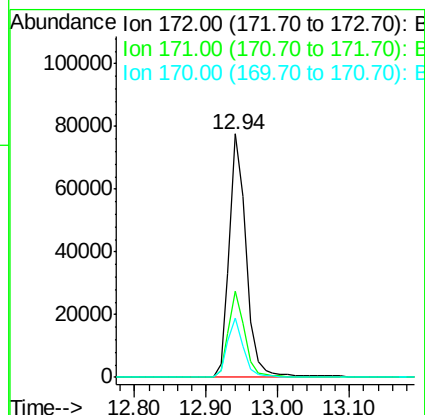
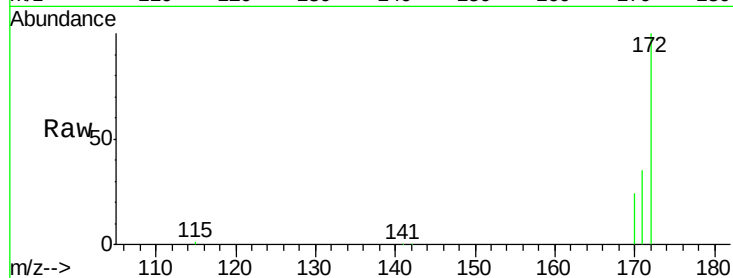




#15
2-Fluorobiphenyl
Concen: 4.69 ng
RT: 12.94 min Scan# 768
Delta R.T. -0.00 min
Lab File: BM003918.D
Acq: 31 Dec 2015 17:28

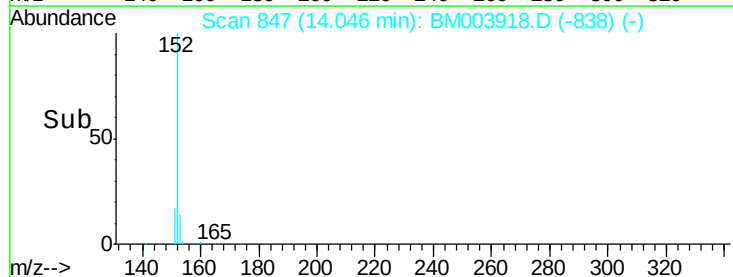
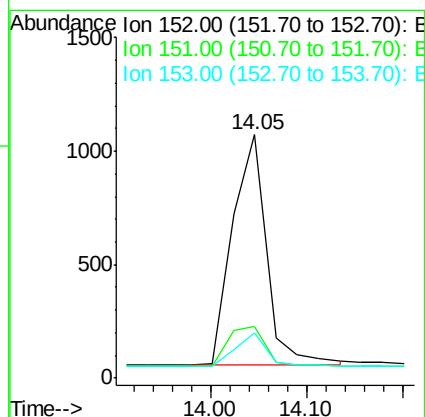
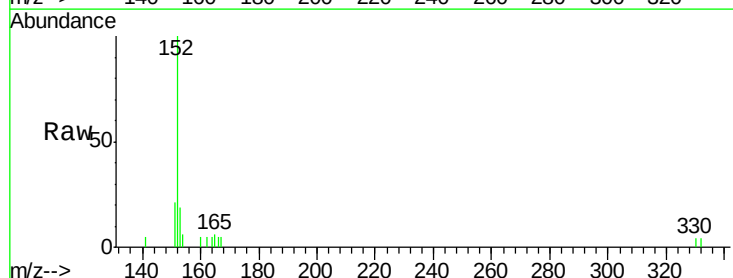
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

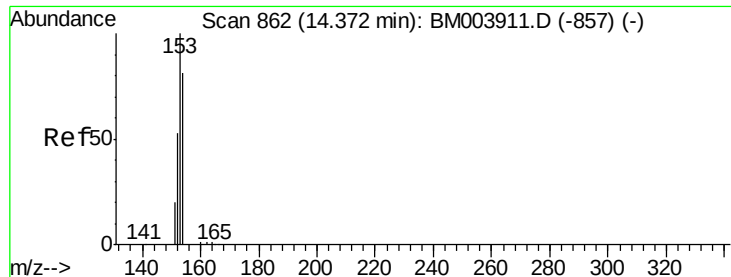
Tgt Ion:172 Resp: 127764
Ion Ratio Lower Upper
172 100
171 35.4 27.0 40.6
170 24.2 17.9 26.9



#16
Acenaphthylene
Concen: 0.07 ng
RT: 14.05 min Scan# 847
Delta R.T. 0.01 min
Lab File: BM003918.D
Acq: 31 Dec 2015 17:28

Tgt Ion:152 Resp: 2538
Ion Ratio Lower Upper
152 100
151 19.9 15.8 23.8
153 13.1 10.2 15.4





#17

Acenaphthene

Concen: 0.11 ng

RT: 14.38 min Scan# 862

Delta R.T. 0.01 min

Lab File: BM003918.D

Acq: 31 Dec 2015 17:28

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

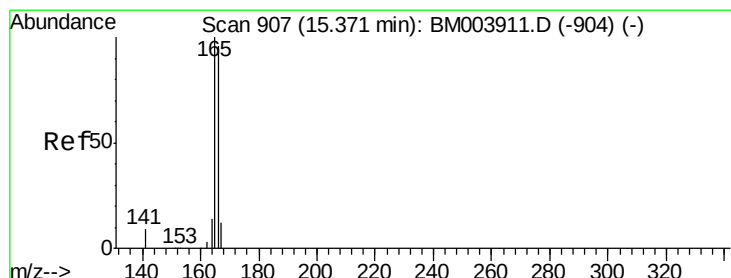
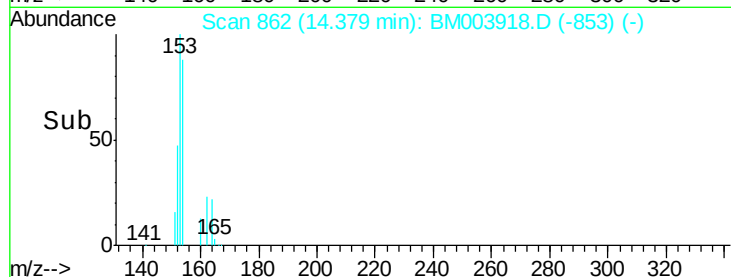
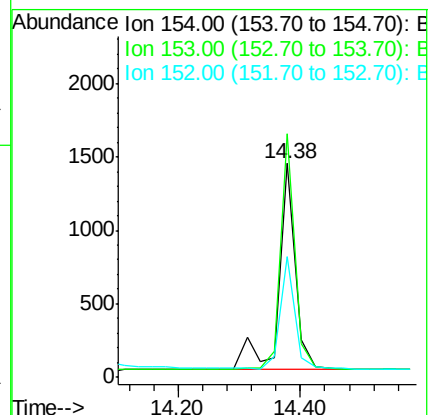
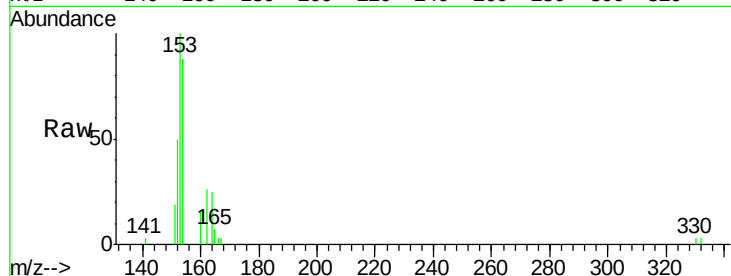
Tgt Ion:154 Resp: 2670

Ion Ratio Lower Upper

154 100

153 97.5 85.4 128.2

152 46.0 40.6 60.8



#18

Fluorene

Concen: 0.09 ng

RT: 15.38 min Scan# 907

Delta R.T. 0.01 min

Lab File: BM003918.D

Acq: 31 Dec 2015 17:28

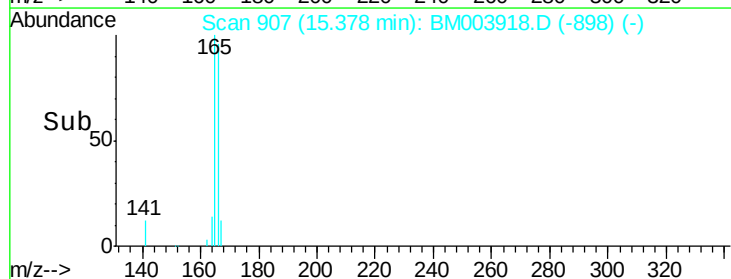
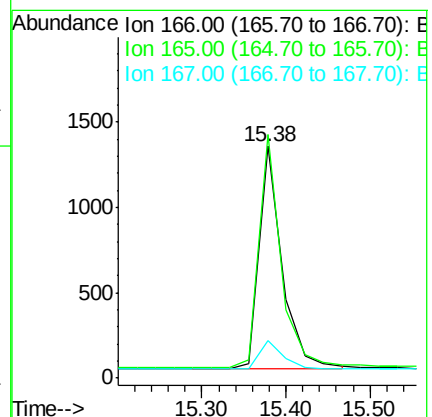
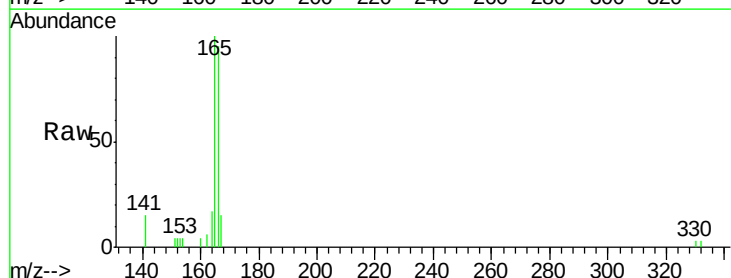
Tgt Ion:166 Resp: 2514

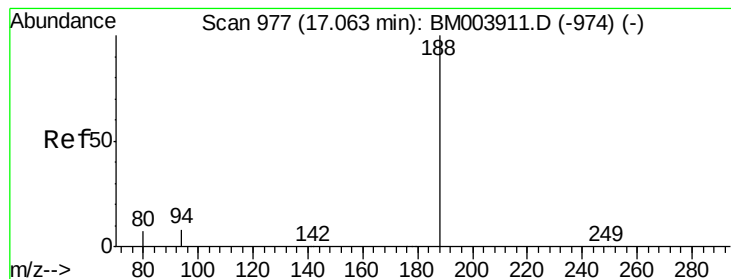
Ion Ratio Lower Upper

166 100

165 100.6 77.2 115.8

167 13.4 11.0 16.6





#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.07 min Scan# 977

Delta R.T. 0.01 min

Lab File: BM003918.D

Acq: 31 Dec 2015 17:28

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

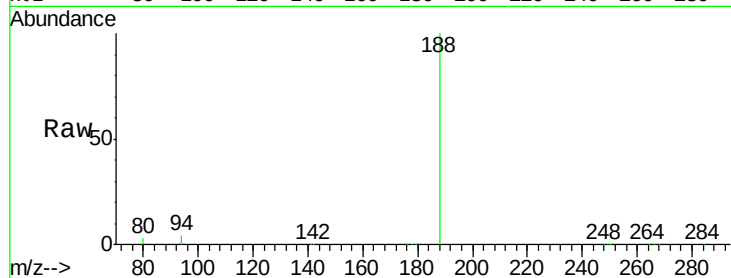
Tgt Ion:188 Resp: 212691

Ion Ratio Lower Upper

188 100

94 3.9 20.3 30.5#

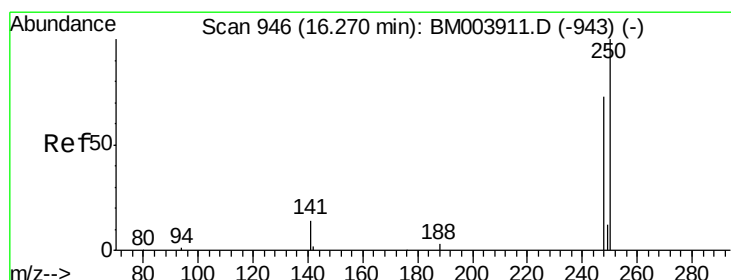
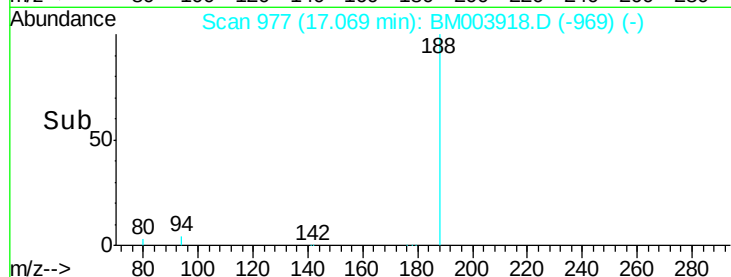
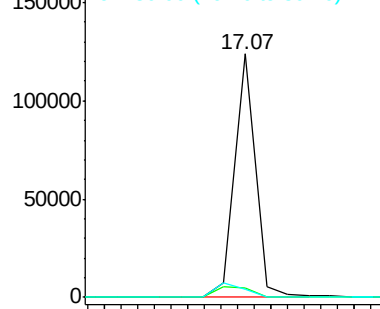
80 3.4 22.2 33.4#



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: 0.09 ng

RT: 16.28 min Scan# 946

Delta R.T. 0.01 min

Lab File: BM003918.D

Acq: 31 Dec 2015 17:28

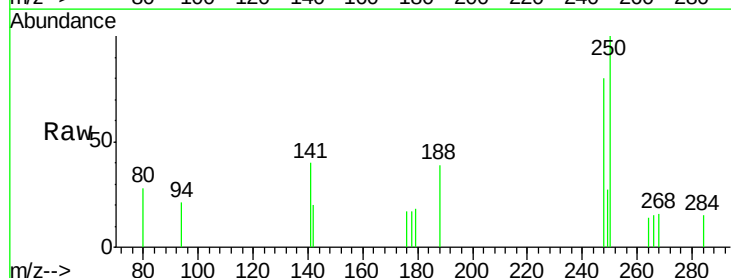
Tgt Ion:248 Resp: 577

Ion Ratio Lower Upper

248 100

250 102.3 75.0 112.4

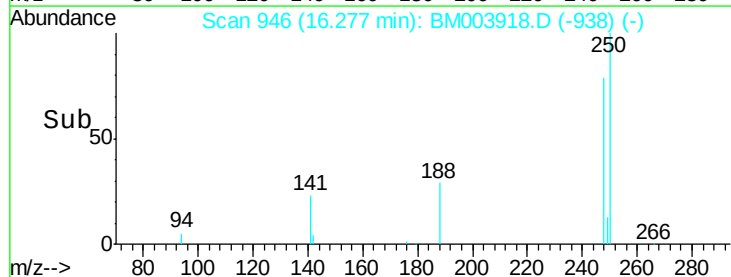
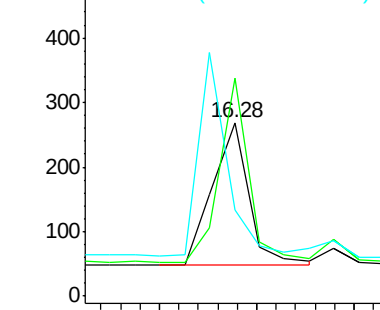
141 0.0 53.0 79.4#

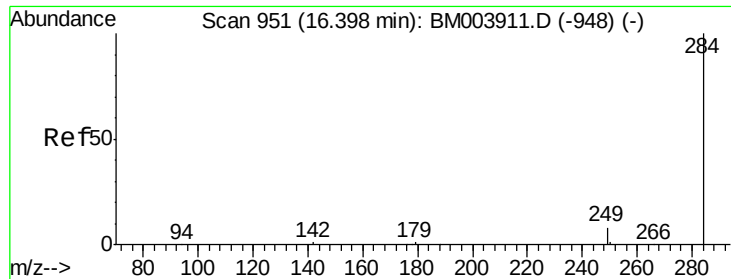


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

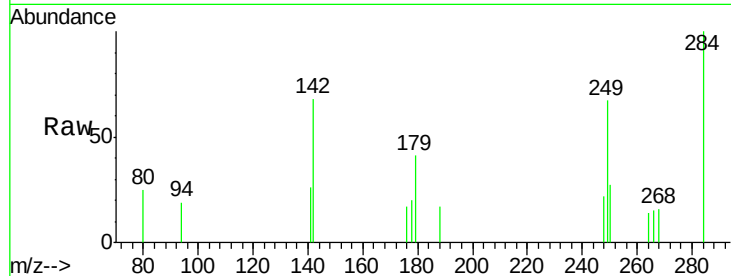




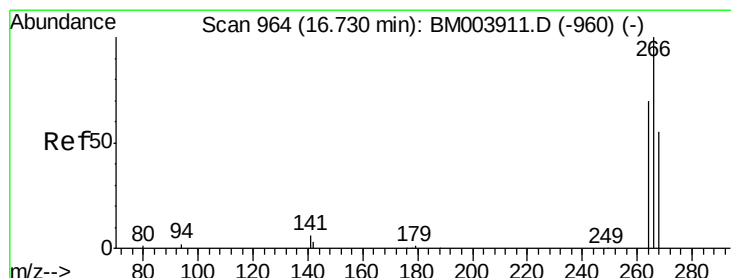
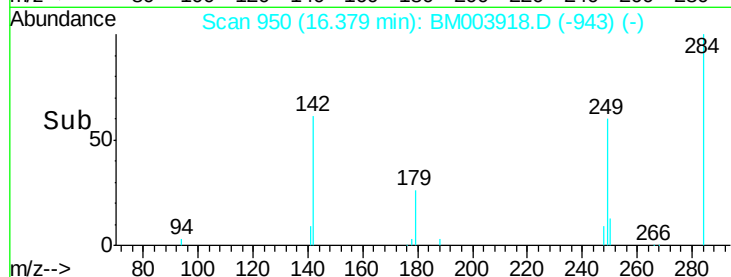
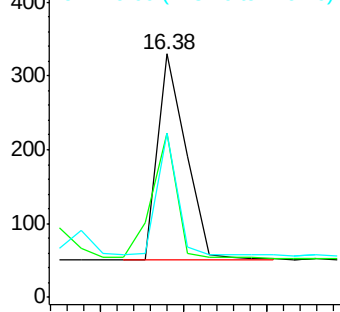
#21
Hexachlorobenzene
Concen: 0.09 ng
RT: 16.38 min Scan# 950
Delta R.T. -0.02 min
Lab File: BM003918.D
Acq: 31 Dec 2015 17:28

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:284 Resp: 662
Ion Ratio Lower Upper
284 100
142 52.9 0.0 0.0#
249 41.7 21.5 32.3#

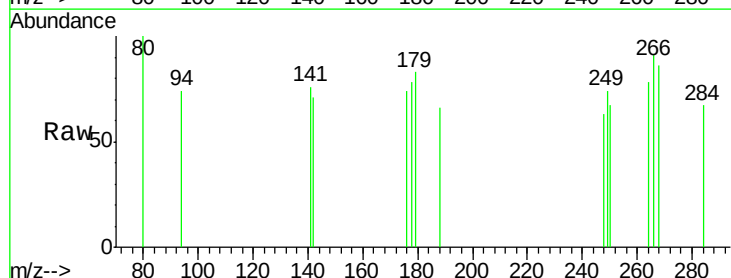


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

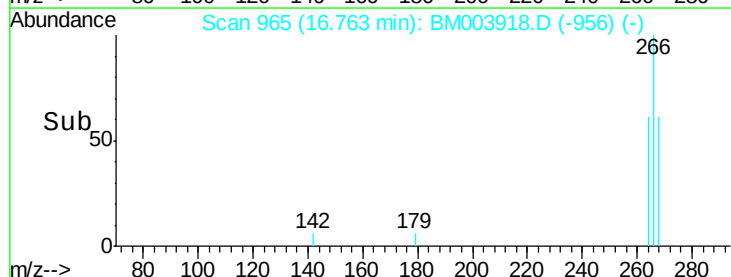
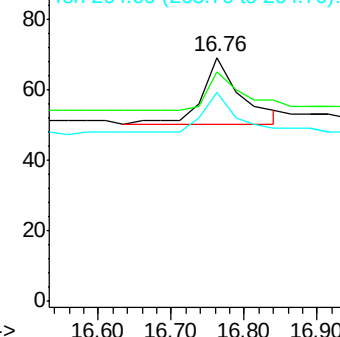


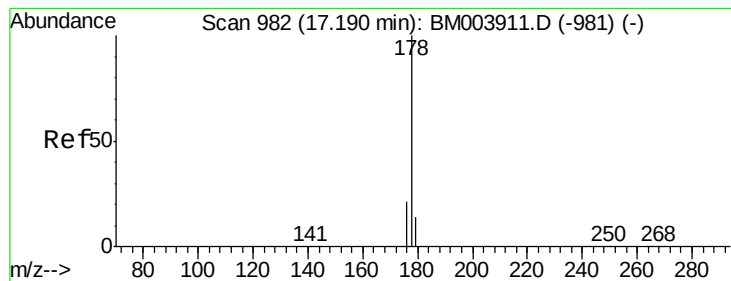
#22
Pentachlorophenol
Concen: 0.16 ng
RT: 16.76 min Scan# 965
Delta R.T. 0.03 min
Lab File: BM003918.D
Acq: 31 Dec 2015 17:28

Tgt Ion:266 Resp: 71
Ion Ratio Lower Upper
266 100
268 94.2 62.7 94.1#
264 85.5 45.7 68.5#



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





#24

Anthracene

Concen: 0.08 ng

RT: 17.20 min Scan# 982

Delta R.T. 0.01 min

Lab File: BM003918.D

Acq: 31 Dec 2015 17:28

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

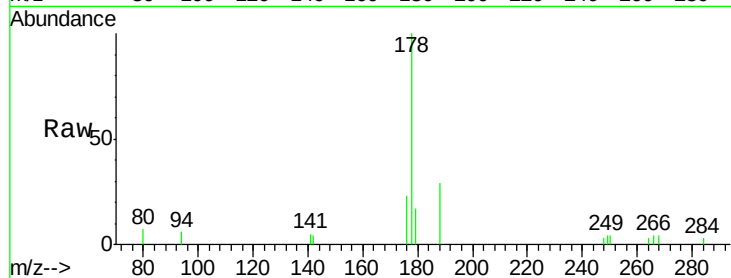
Tgt Ion:178 Resp: 3412

Ion Ratio Lower Upper

178 100

176 19.1 14.6 21.8

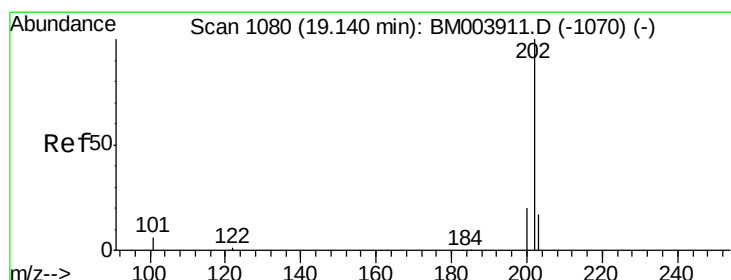
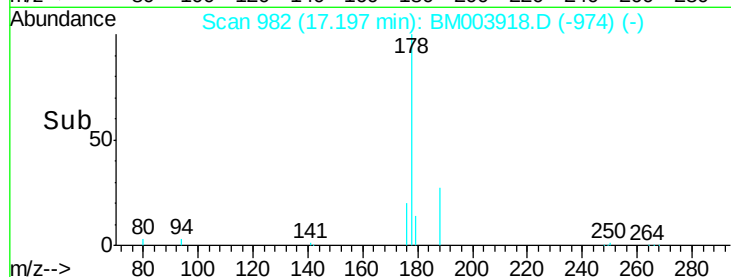
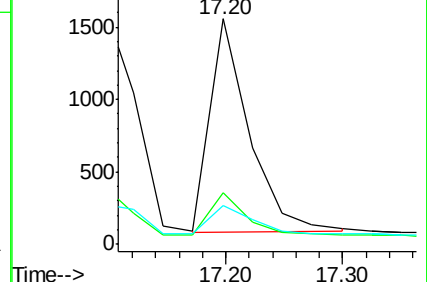
179 14.8 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#25

Fluoranthene

Concen: 0.09 ng

RT: 19.15 min Scan# 1080

Delta R.T. 0.01 min

Lab File: BM003918.D

Acq: 31 Dec 2015 17:28

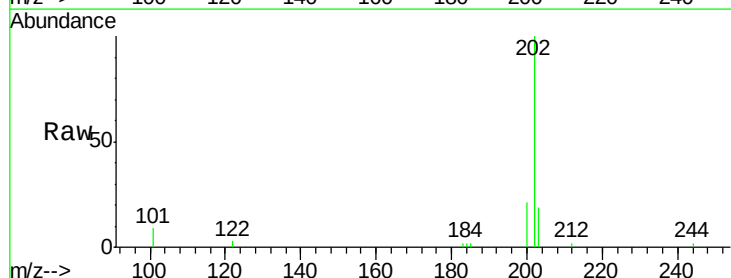
Tgt Ion:202 Resp: 4205

Ion Ratio Lower Upper

202 100

101 11.6 9.7 14.5

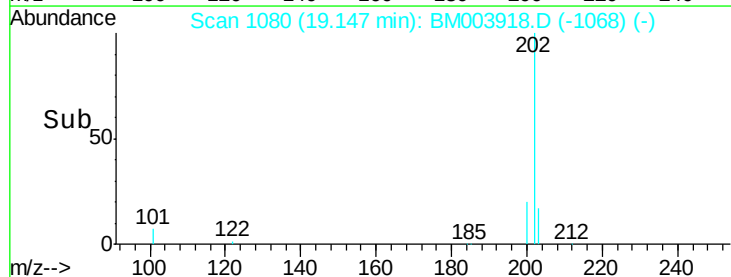
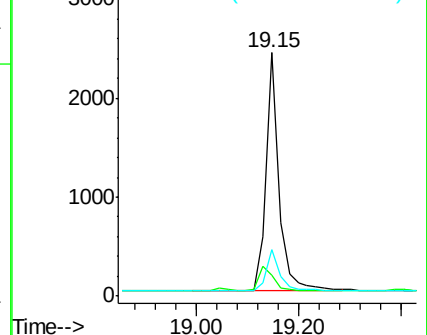
203 17.7 13.8 20.8

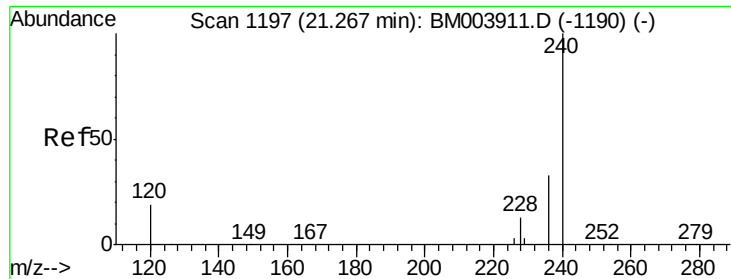


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.28 min Scan# 1197

Delta R.T. 0.01 min

Lab File: BM003918.D

Acq: 31 Dec 2015 17:28

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

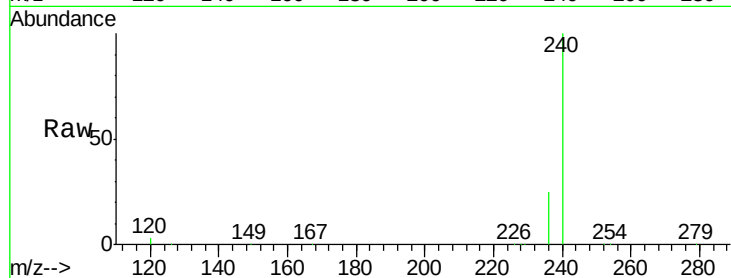
Tgt Ion:240 Resp: 147277

Ion Ratio Lower Upper

240 100

120 2.9 0.9 1.3#

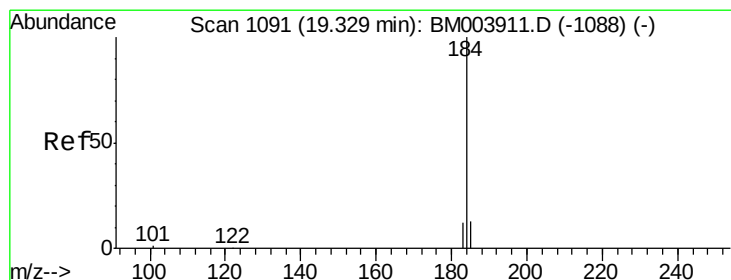
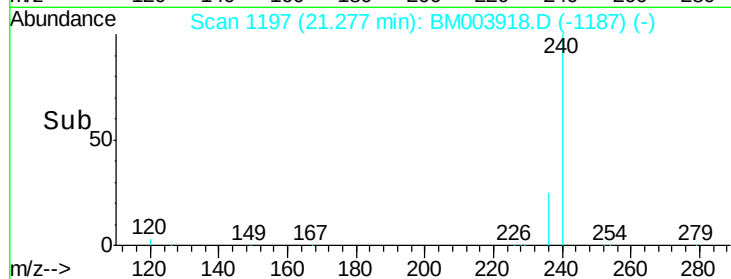
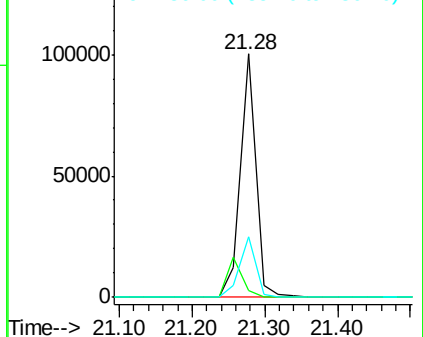
236 24.9 17.3 25.9



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: 0.15 ng

RT: 19.37 min Scan# 1093

Delta R.T. 0.04 min

Lab File: BM003918.D

Acq: 31 Dec 2015 17:28

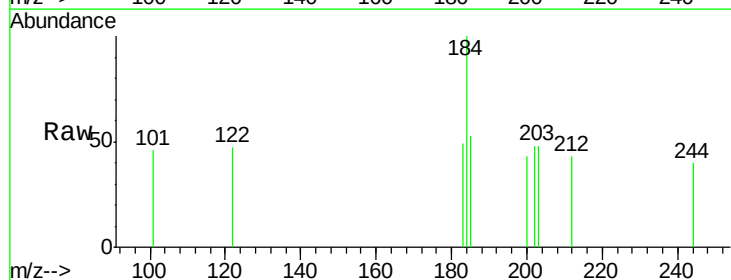
Tgt Ion:184 Resp: 356

Ion Ratio Lower Upper

184 100

185 53.3 13.2 19.8#

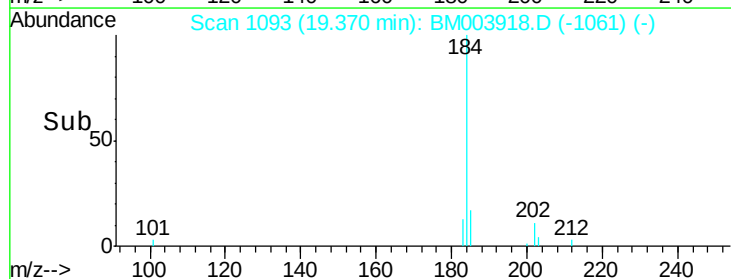
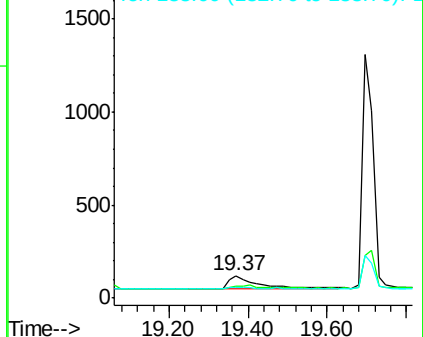
183 49.2 9.0 13.6#

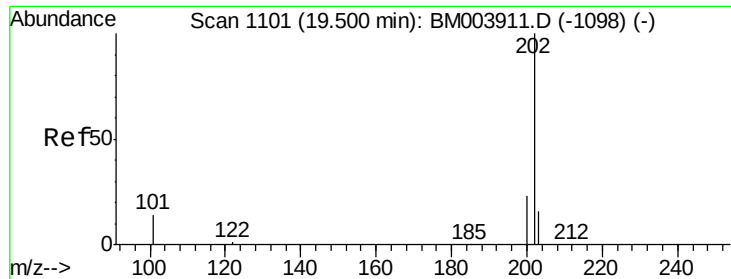


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

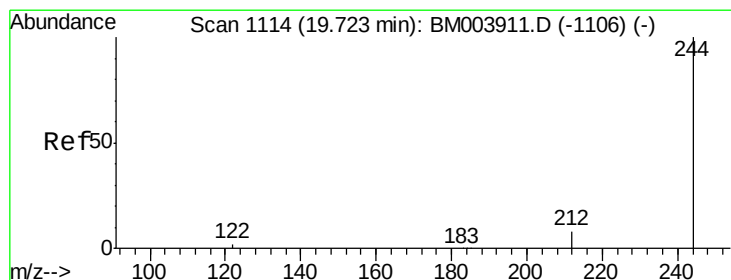
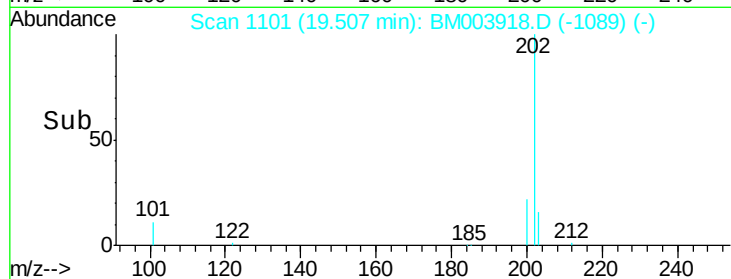
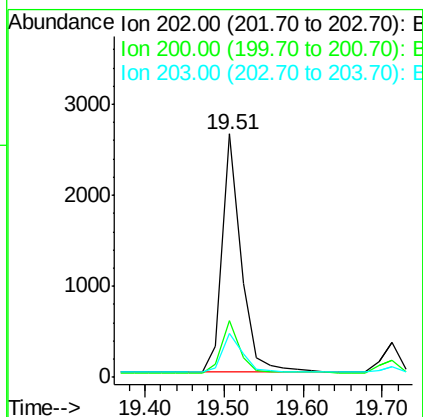
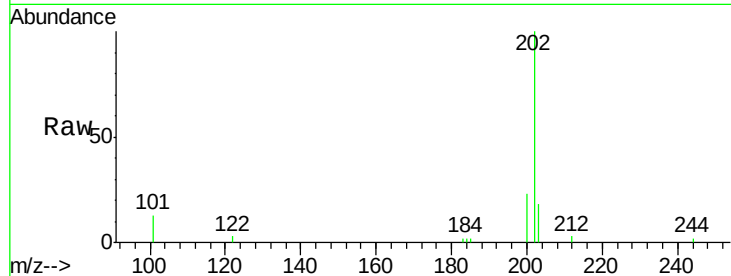




#28
 Pyrene
 Concen: 0.08 ng
 RT: 19.51 min Scan# 1101
 Delta R.T. 0.01 min
 Lab File: BM003918.D
 Acq: 31 Dec 2015 17:28

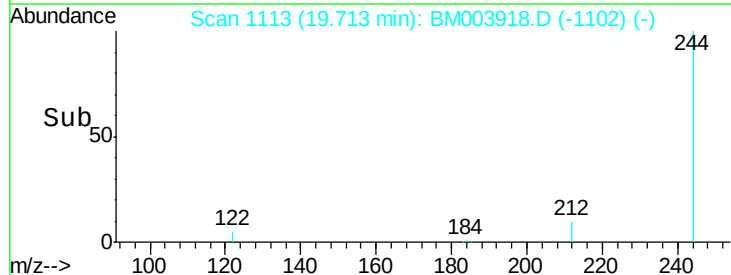
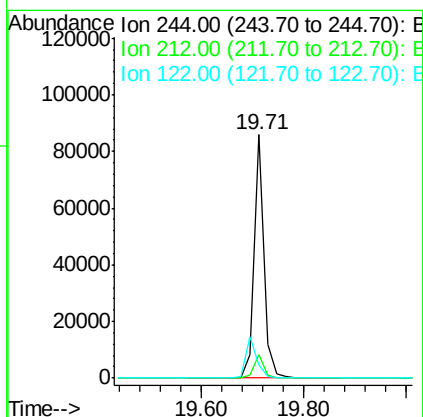
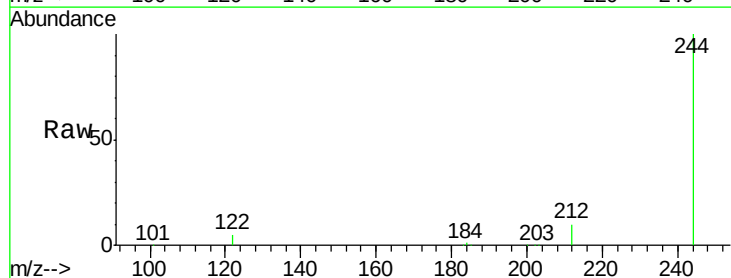
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

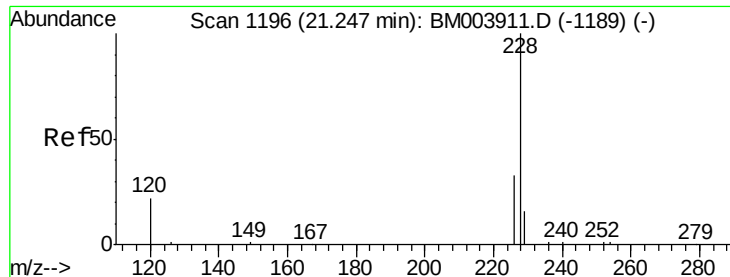
Tgt Ion:202 Resp: 4364
 Ion Ratio Lower Upper
 202 100
 200 21.2 16.6 24.8
 203 18.0 14.0 21.0



#29
 Terphenyl-d14
 Concen: 4.71 ng
 RT: 19.71 min Scan# 1113
 Delta R.T. -0.01 min
 Lab File: BM003918.D
 Acq: 31 Dec 2015 17:28

Tgt Ion:244 Resp: 112373
 Ion Ratio Lower Upper
 244 100
 212 9.6 7.0 10.6
 122 5.3 3.0 4.6#





#30

Benzo(a)anthracene

Concen: 0.18 ng

RT: 21.26 min Scan# 1196

Delta R.T. 0.01 min

Lab File: BM003918.D

Acq: 31 Dec 2015 17:28

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

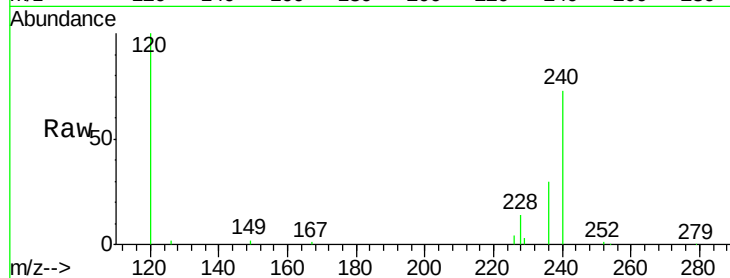
Tgt Ion:228 Resp: 7654

Ion Ratio Lower Upper

228 100

226 26.2 17.2 25.8#

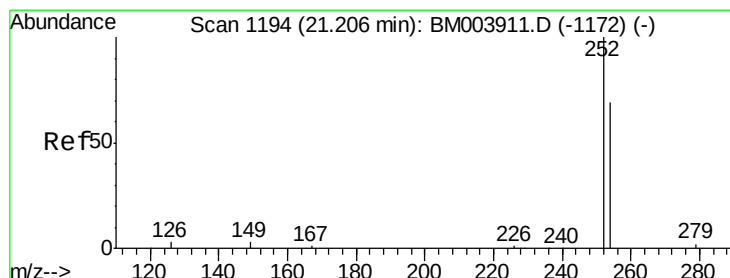
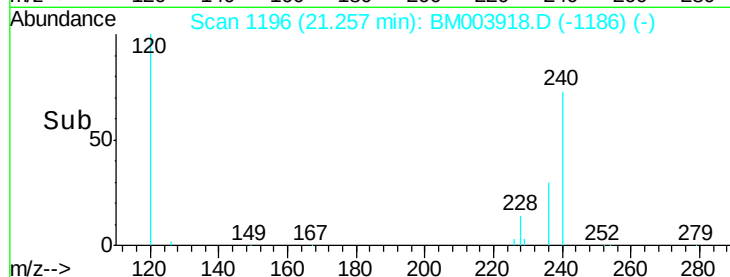
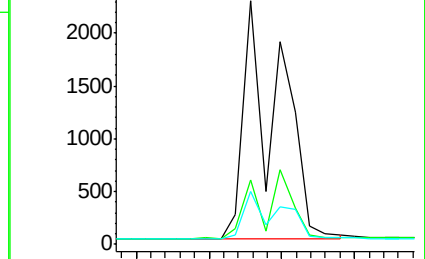
229 21.8 18.7 28.1



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: 0.28 ng

RT: 21.22 min Scan# 1194

Delta R.T. 0.01 min

Lab File: BM003918.D

Acq: 31 Dec 2015 17:28

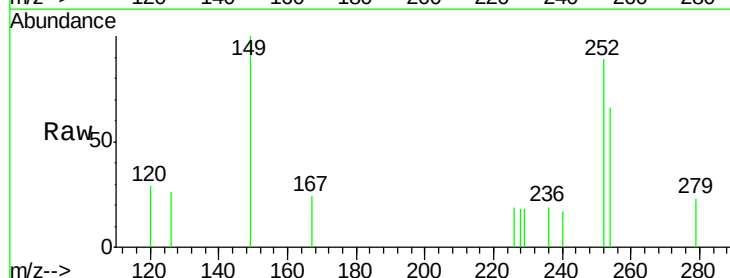
Tgt Ion:252 Resp: 550

Ion Ratio Lower Upper

252 100

254 74.0 52.6 79.0

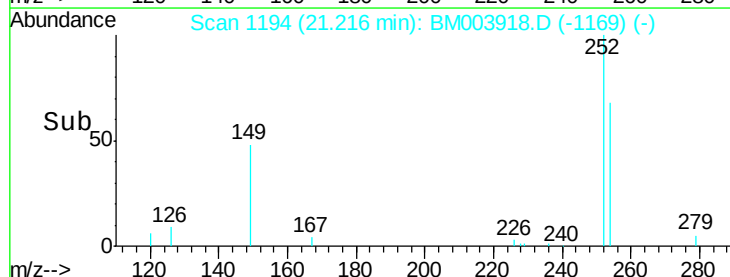
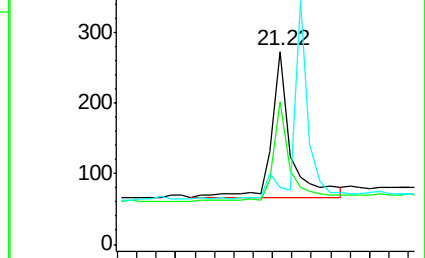
126 29.3 3.7 5.5#

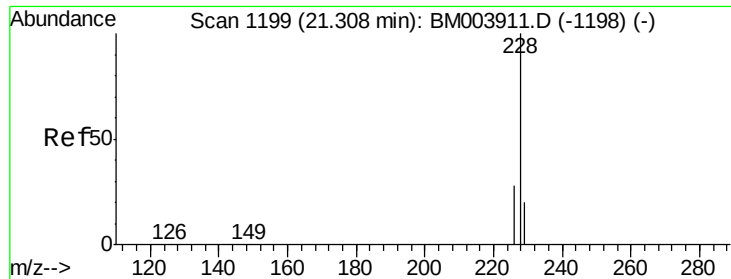


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#32

Chrysene

Concen: 0.18 ng

RT: 21.26 min Scan# 1196

Delta R.T. -0.05 min

Lab File: BM003918.D

Acq: 31 Dec 2015 17:28

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

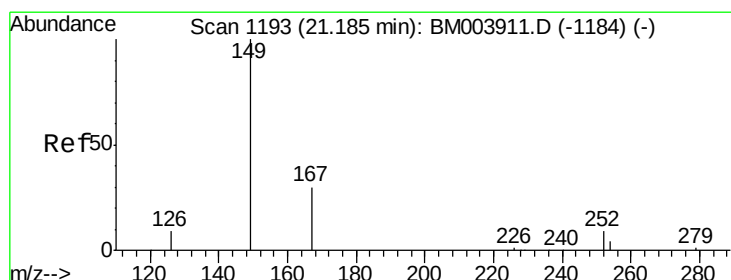
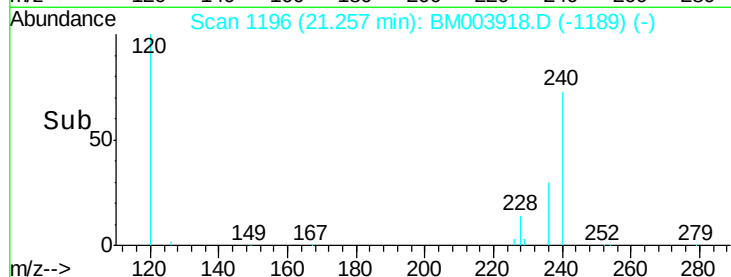
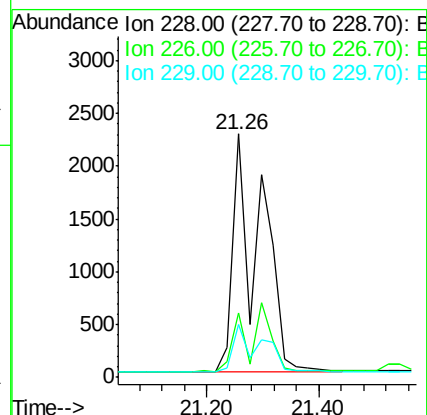
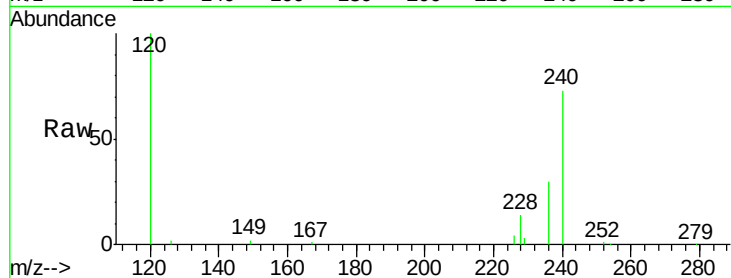
Tgt Ion:228 Resp: 7727

Ion Ratio Lower Upper

228 100

226 26.2 25.3 37.9

229 21.8 14.5 21.7#



#33

Bis(2-ethylhexyl)phthalate

Concen: 0.41 ng

RT: 21.17 min Scan# 1192

Delta R.T. -0.01 min

Lab File: BM003918.D

Acq: 31 Dec 2015 17:28

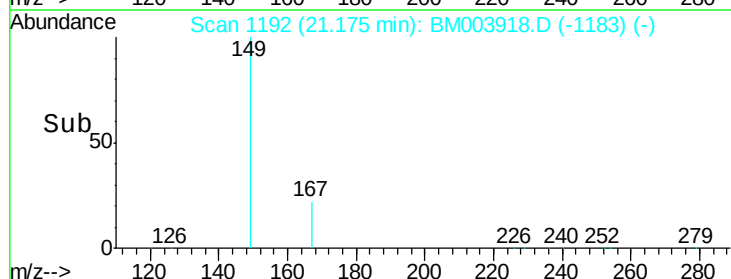
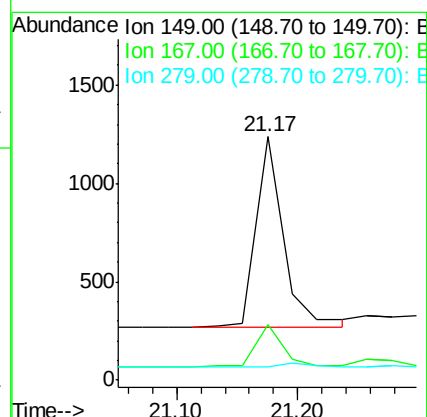
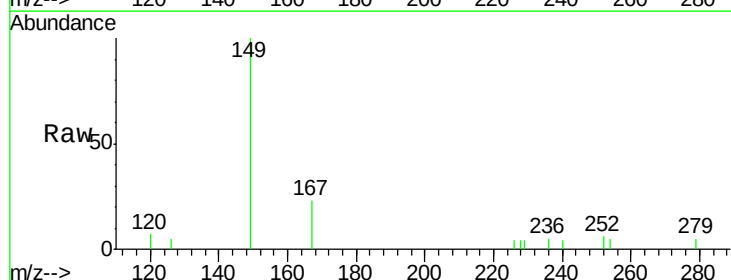
Tgt Ion:149 Resp: 1543

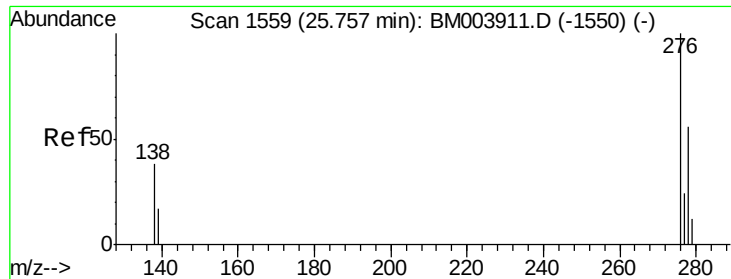
Ion Ratio Lower Upper

149 100

167 21.3 20.1 30.1

279 0.0 0.0 0.0

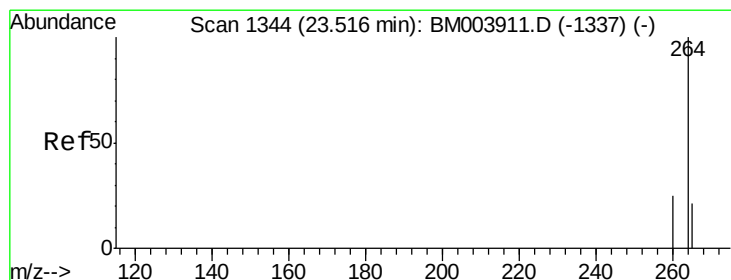
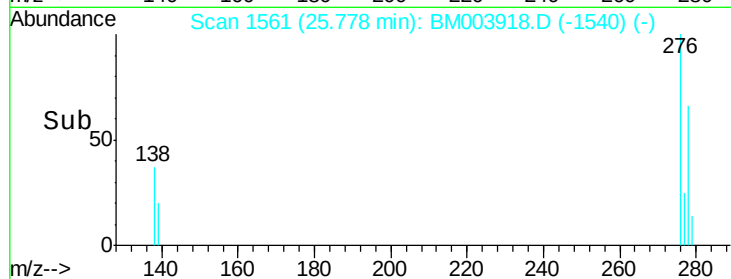
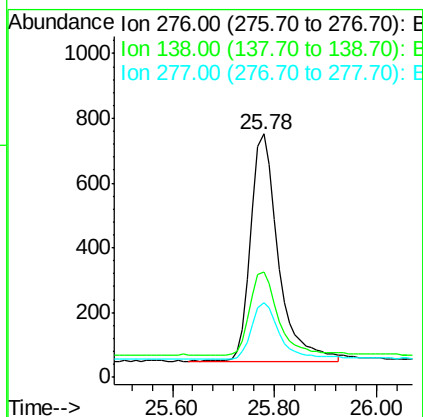
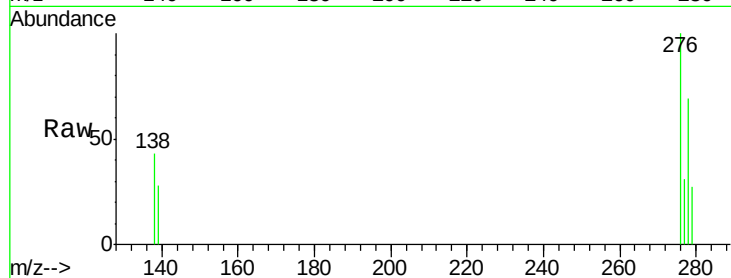




#34
 Indeno(1,2,3-cd)pyrene
 Concen: 0.08 ng
 RT: 25.78 min Scan# 1561
 Delta R.T. 0.02 min
 Lab File: BM003918.D
 Acq: 31 Dec 2015 17:28

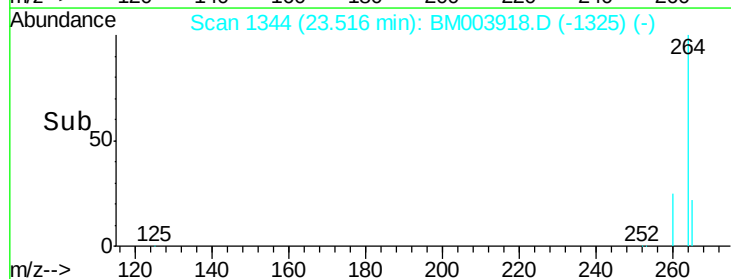
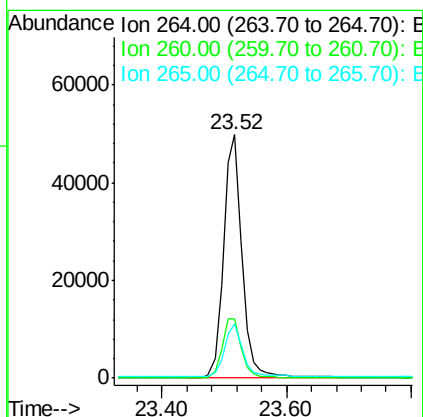
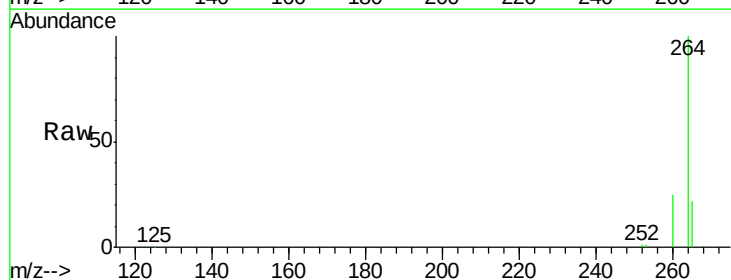
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

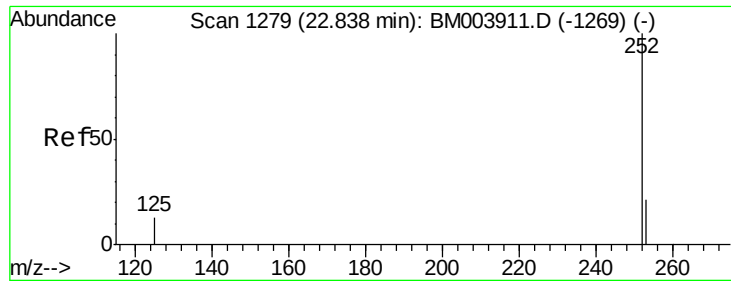
Tgt Ion: 276 Resp: 2635
 Ion Ratio Lower Upper
 276 100
 138 37.6 30.2 45.2
 277 25.3 19.8 29.8



#35
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.52 min Scan# 1344
 Delta R.T. 0.00 min
 Lab File: BM003918.D
 Acq: 31 Dec 2015 17:28

Tgt Ion: 264 Resp: 102792
 Ion Ratio Lower Upper
 264 100
 260 24.6 21.2 31.8
 265 22.3 16.7 25.1





#36

Benzo(b)fluoranthene

Concen: 0.10 ng

RT: 22.84 min Scan# 1279

Delta R.T. 0.00 min

Lab File: BM003918.D

Acq: 31 Dec 2015 17:28

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

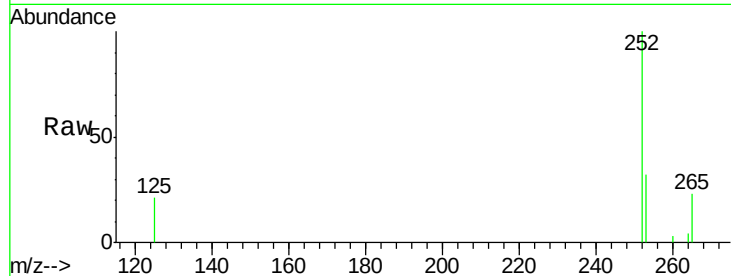
Tgt Ion:252 Resp: 3153

Ion Ratio Lower Upper

252 100

253 31.5 18.8 28.2#

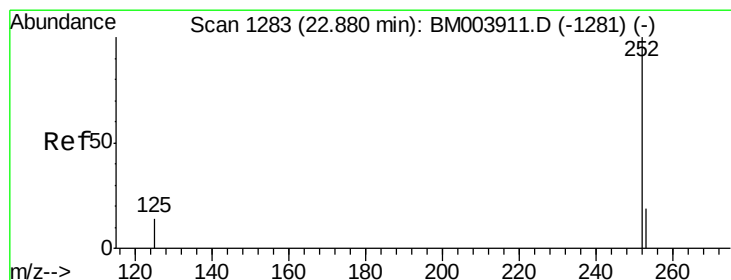
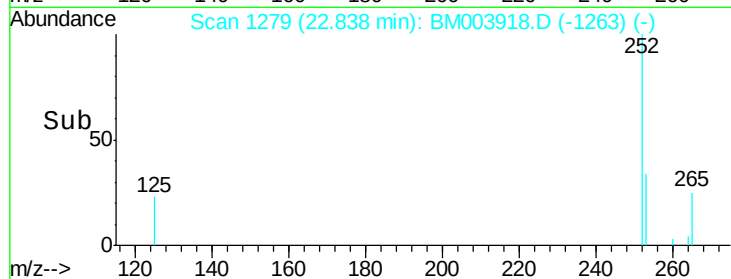
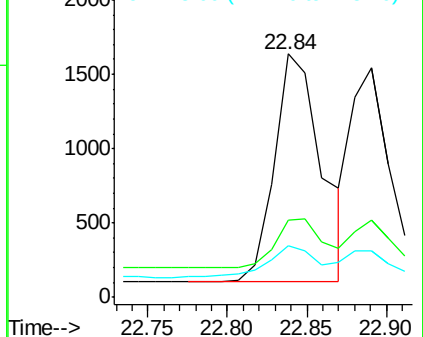
125 21.3 10.2 15.4#



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



#37

Benzo(k)fluoranthene

Concen: 0.09 ng

RT: 22.89 min Scan# 1284

Delta R.T. 0.01 min

Lab File: BM003918.D

Acq: 31 Dec 2015 17:28

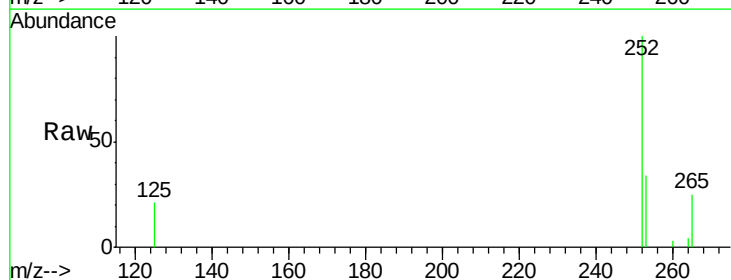
Tgt Ion:252 Resp: 2618

Ion Ratio Lower Upper

252 100

253 33.6 18.3 27.5#

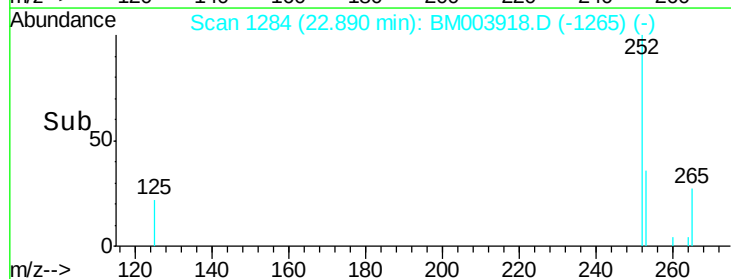
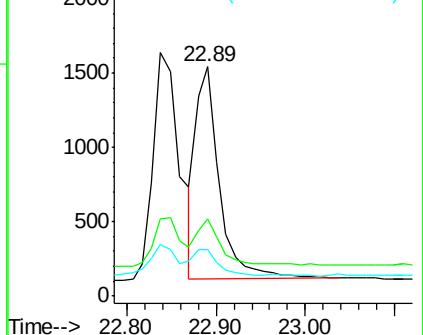
125 20.6 10.6 15.8#

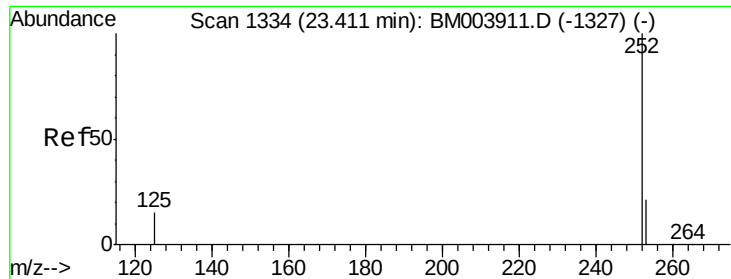


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Benzo(a)pyrene

Concen: 0.09 ng

RT: 23.41 min Scan# 1334

Delta R.T. 0.00 min

Lab File: BM003918.D

Acq: 31 Dec 2015 17:28

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

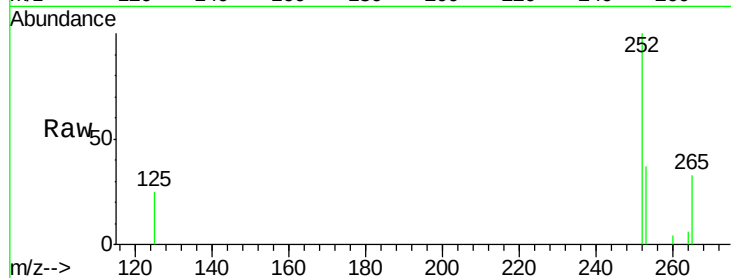
Tgt Ion:252 Resp: 2345

Ion Ratio Lower Upper

252 100

253 36.6 18.7 28.1#

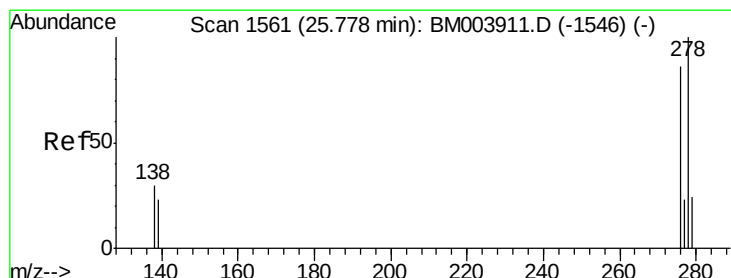
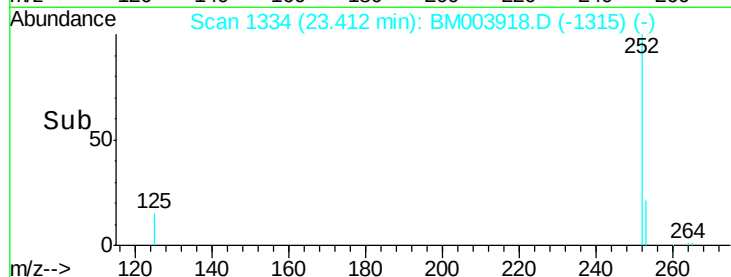
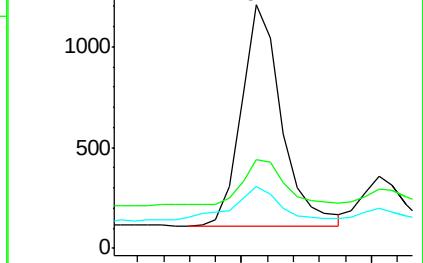
125 25.3 11.8 17.8#



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: 0.09 ng

RT: 25.79 min Scan# 1562

Delta R.T. 0.01 min

Lab File: BM003918.D

Acq: 31 Dec 2015 17:28

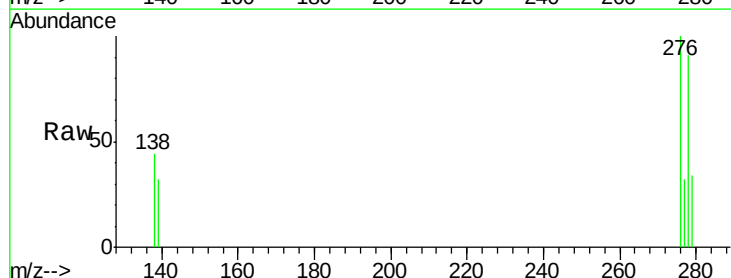
Tgt Ion:278 Resp: 2046

Ion Ratio Lower Upper

278 100

139 35.1 19.0 28.6#

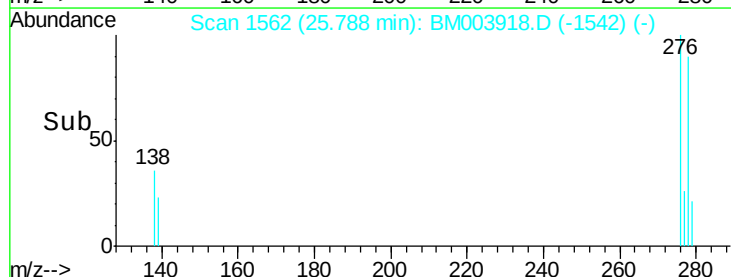
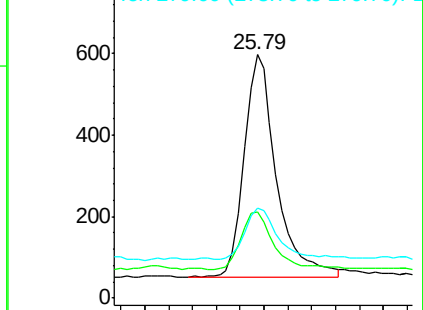
279 36.8 19.6 29.4#

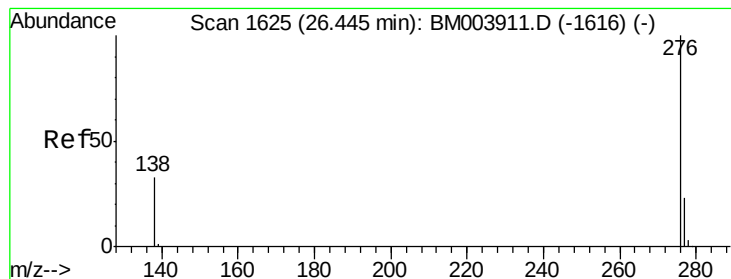


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#40

Benzo(g,h,i)perylene

Concen: 0.10 ng

RT: 26.47 min Scan# 1627

Delta R.T. 0.02 min

Lab File: BM003918.D

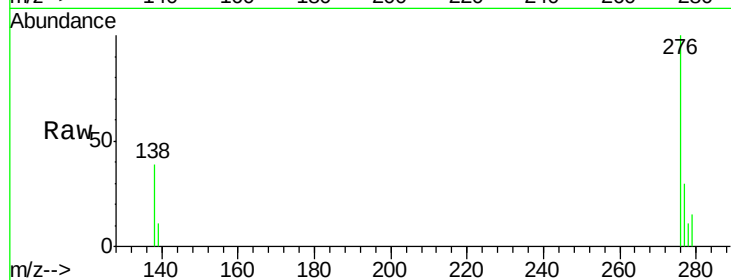
Acq: 31 Dec 2015 17:28

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01



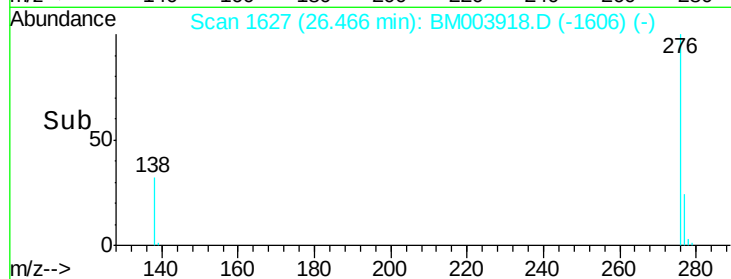
Tgt Ion: 276 Resp: 2387

Ion Ratio Lower Upper

276 100

277 30.2 19.1 28.7#

138 39.2 25.0 37.4#



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

