

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061915\
 Data File : BM001766.D
 Acq On : 19 Jun 2015 17:39
 Operator : TP/IZ
 Sample : G2653-03
 Misc : LOD-SIM-SOIL-0.5PPM
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Quant Time: Jun 20 02:10:22 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SIM-BM061915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 19 05:05:14 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	17397	5.00	ng	0.00
6) Naphthalene-d8	10.46	136	64495	5.00	ng	0.00
12) Acenaphthene-d10	14.33	164	31472	5.00	ng	0.00
18) Phenanthrene-d10	17.06	188	79390	5.00	ng	0.00
25) Chrysene-d12	21.25	240	42522	5.00	ng	0.00
32) Perylene-d12	23.47	264	37349	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.25	112	43793	10.77	ng	0.00
5) Phenol-d6	6.83	99	57339	10.95	ng	0.00
7) Nitrobenzene-d5	8.83	82	34187	6.79	ng	0.00
13) 2,4,6-Tribromophenol	15.80	330	10208	10.39	ng	0.00
14) 2-Fluorobiphenyl	12.94	172	77156	6.86	ng	0.00
27) Terphenyl-d14	19.70	244	48250	7.70	ng	0.00

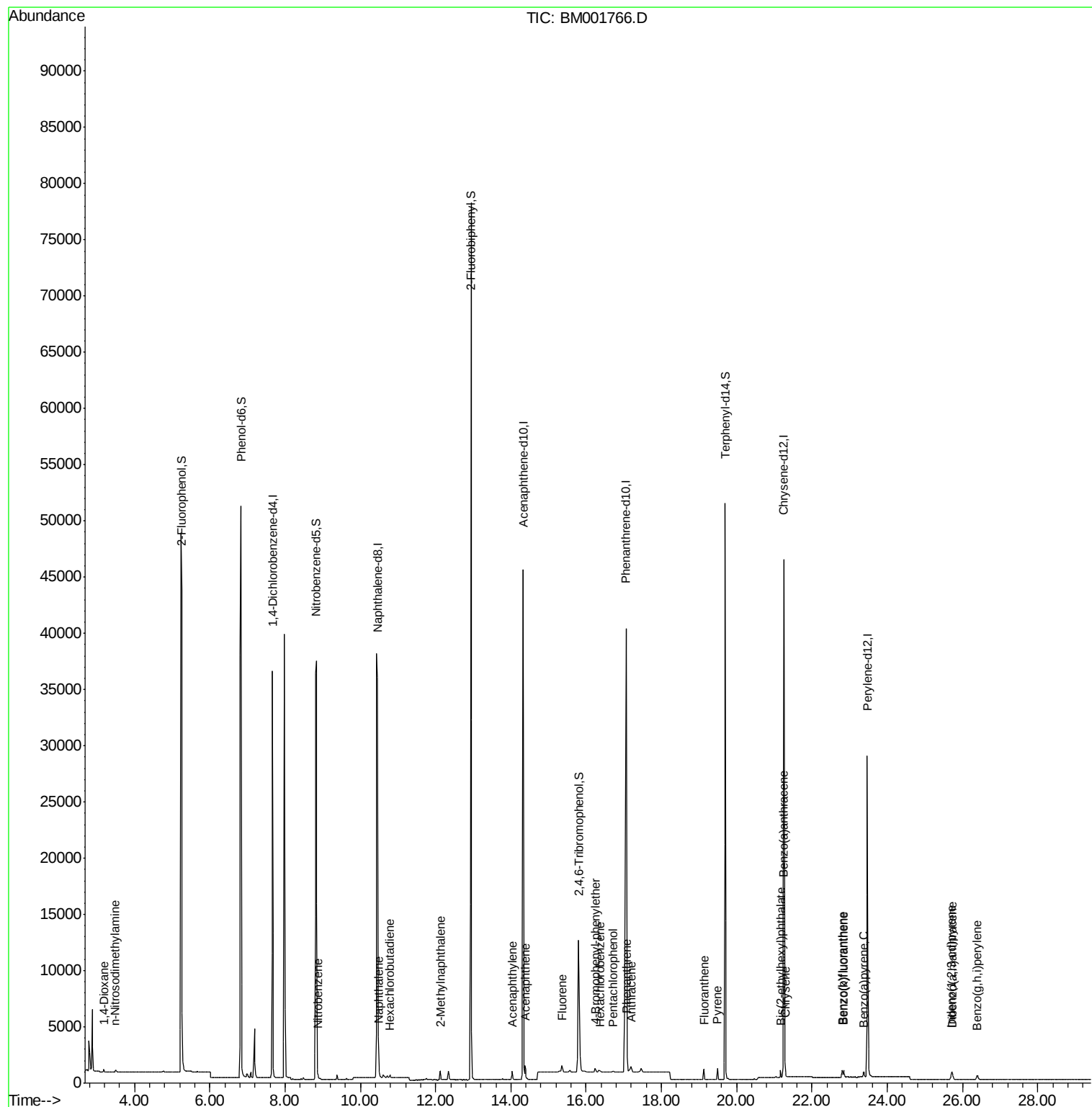
Target Compounds						Qvalue
2) 1,4-Dioxane	3.18	88	192	0.10	ng	# 84
3) n-Nitrosodimethylamine	3.49	42	176	0.06	ng	# 91
8) Nitrobenzene	8.87	77	507	0.09	ng	# 88
9) Naphthalene	10.49	128	1039	0.07	ng	# 84
10) Hexachlorobutadiene	10.78	225	178	0.07	ng	97
11) 2-Methylnaphthalene	12.13	142	678	0.07	ng	95
15) Acenaphthylene	14.03	152	867	0.06	ng	99
16) Acenaphthene	14.37	154	618	0.07	ng	98
17) Fluorene	15.36	166	624	0.08	ng	99
19) 4-Bromophenyl-phenylether	16.24	248	206	0.06	ng	94
20) Hexachlorobenzene	16.38	284	153	0.07	ng	# 100
21) Pentachlorophenol	16.72	266	59	0.06	ng	# 76
22) Phenanthrene	17.09	178	1710	0.06	ng	# 94
23) Anthracene	17.19	178	673	0.06	ng	94
24) Fluoranthene	19.13	202	1034	0.06	ng	99
26) Pyrene	19.49	202	1056	0.07	ng	99
28) Benzo(a)anthracene	21.24	228	1056	0.08	ng	# 88
29) Chrysene	21.28	228	849	0.06	ng	# 91
30) Bis(2-ethylhexyl)phthalate	21.16	149	655	0.09	ng	# 98
31) Indeno(1,2,3-cd)pyrene	25.71	276	841	0.06	ng	99
33) Benzo(b)fluoranthene	22.80	252	851	0.07	ng	# 69
34) Benzo(k)fluoranthene	22.84	252	745	0.07	ng	# 68
35) Benzo(a)pyrene	23.37	252	717	0.07	ng	# 60
36) Dibenzo(a,h)anthracene	25.72	278	679	0.07	ng	# 67
37) Benzo(g,h,i)perylene	26.39	276	778	0.07	ng	# 78

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

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.66 min Scan# 323

Delta R.T. 0.00 min

Lab File: BM001766.D

Acq: 19 Jun 2015 17:39

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

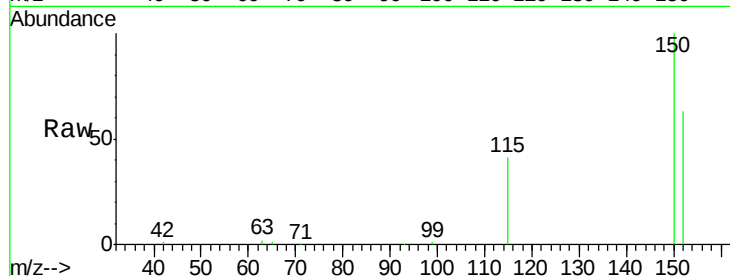
Tgt Ion:152 Resp: 17397

Ion Ratio Lower Upper

152 100

150 157.5 127.5 191.3

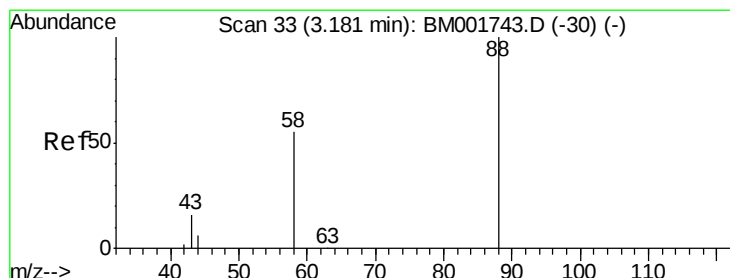
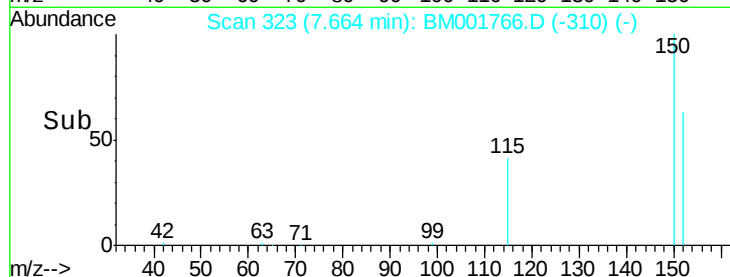
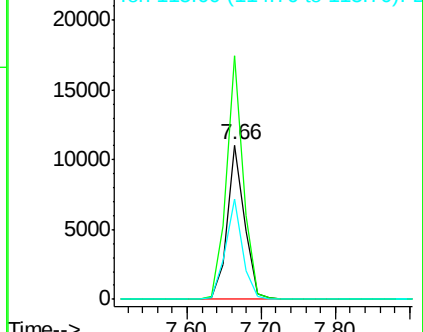
115 65.0 53.2 79.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.10 ng

RT: 3.18 min Scan# 33

Delta R.T. 0.00 min

Lab File: BM001766.D

Acq: 19 Jun 2015 17:39

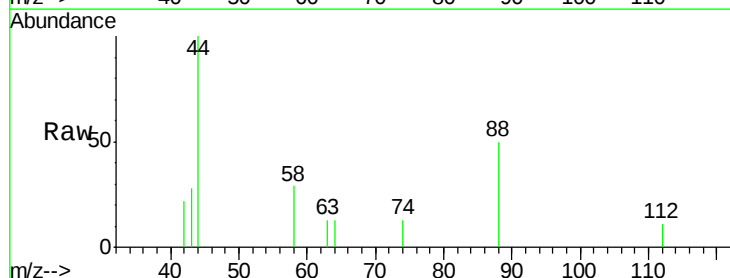
Tgt Ion: 88 Resp: 192

Ion Ratio Lower Upper

88 100

58 66.1 68.3 102.5#

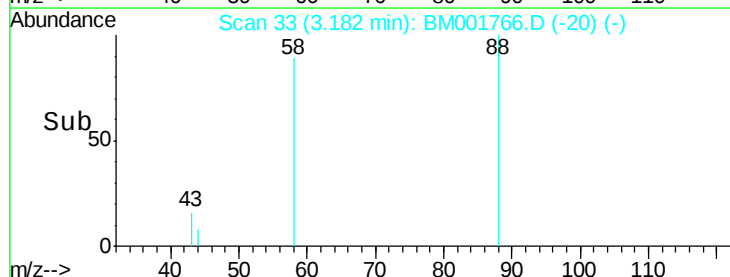
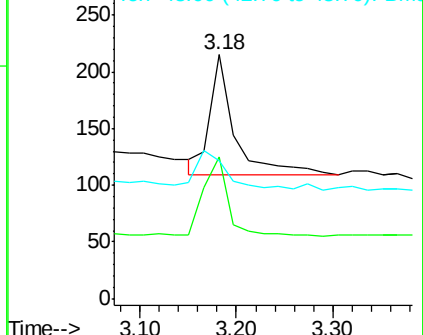
43 36.5 32.6 48.8

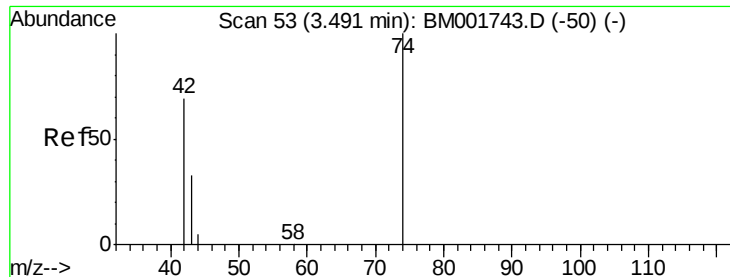


Abundance Ion 88.00 (87.70 to 88.70): BM0

Ion 58.00 (57.70 to 58.70): BM0

Ion 43.00 (42.70 to 43.70): BM0





#3

n-Nitrosodimethylamine

Concen: 0.06 ng

RT: 3.49 min Scan# 53

Delta R.T. 0.00 min

Lab File: BM001766.D

Acq: 19 Jun 2015 17:39

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

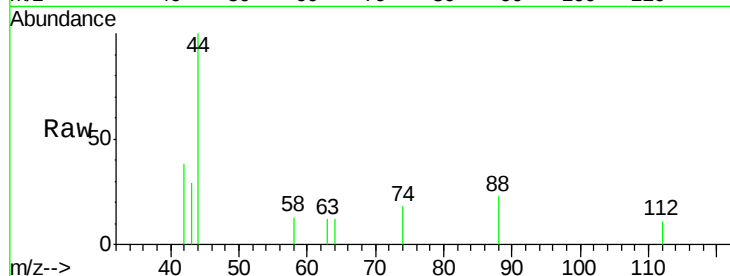
Tgt Ion: 42 Resp: 176

Ion Ratio Lower Upper

42 100

74 105.1 78.6 118.0

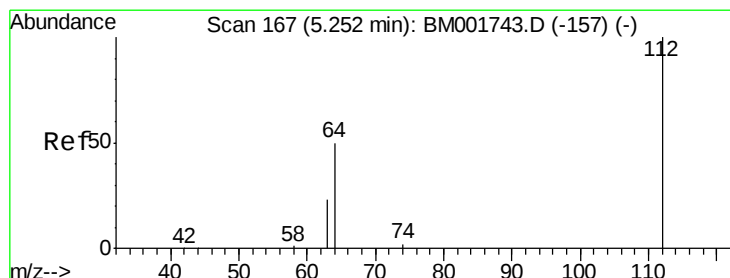
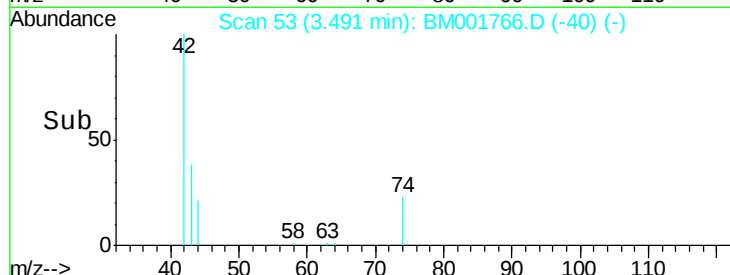
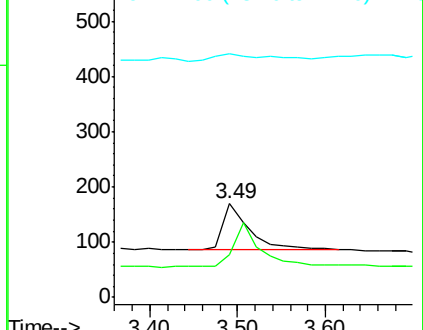
44 19.9 5.0 7.6#



Abundance Ion 42.00 (41.70 to 42.70): BM001743.D (-50) (-)

Ion 74.00 (73.70 to 74.70): BM001743.D (-50) (-)

Ion 44.00 (43.70 to 44.70): BM001743.D (-50) (-)



#4

2-Fluorophenol

Concen: 10.77 ng

RT: 5.25 min Scan# 167

Delta R.T. 0.00 min

Lab File: BM001766.D

Acq: 19 Jun 2015 17:39

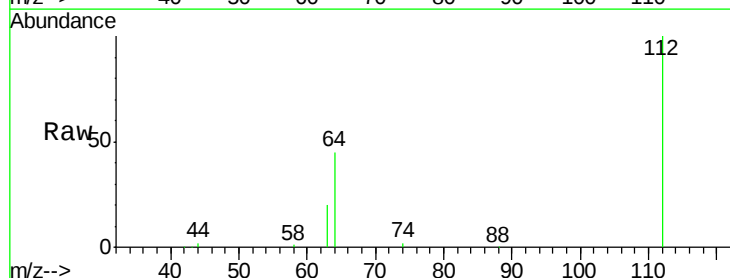
Tgt Ion: 112 Resp: 43793

Ion Ratio Lower Upper

112 100

64 70.0 55.6 83.4

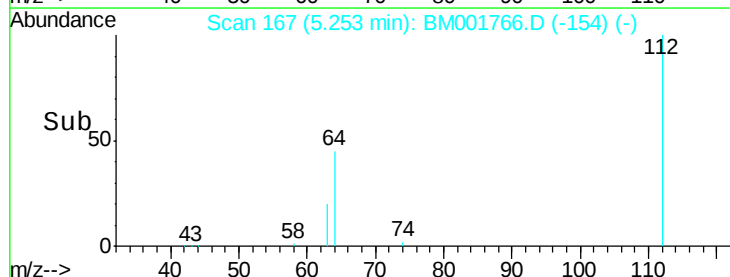
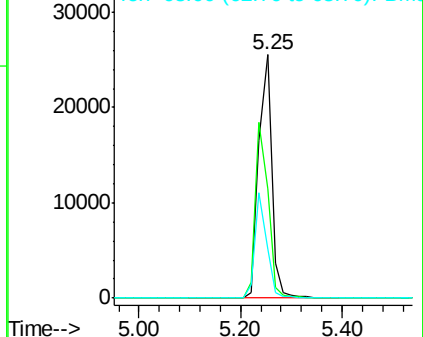
63 38.7 30.2 45.2

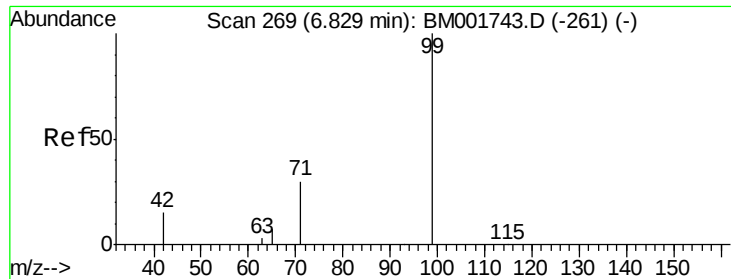


Abundance Ion 112.00 (111.70 to 112.70): BM001743.D (-157) (-)

Ion 64.00 (63.70 to 64.70): BM001743.D (-157) (-)

Ion 63.00 (62.70 to 63.70): BM001743.D (-157) (-)





#5

Phenol-d6

Concen: 10.95 ng

RT: 6.83 min Scan# 269

Delta R.T. 0.00 min

Lab File: BM001766.D

Acq: 19 Jun 2015 17:39

Instrument :

BNA_F

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LOD-SOIL2015-01

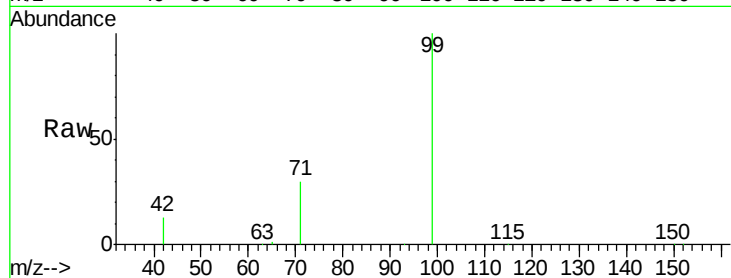
Tgt Ion: 99 Resp: 57339

Ion Ratio Lower Upper

99 100

42 26.1 21.4 32.0

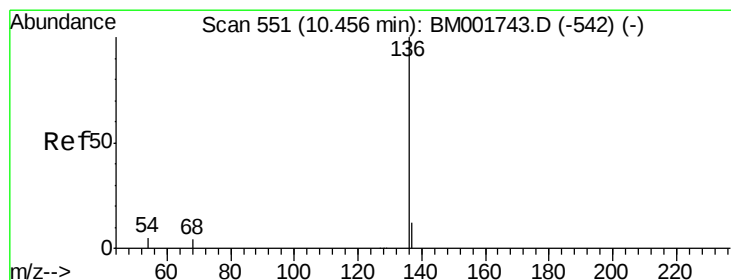
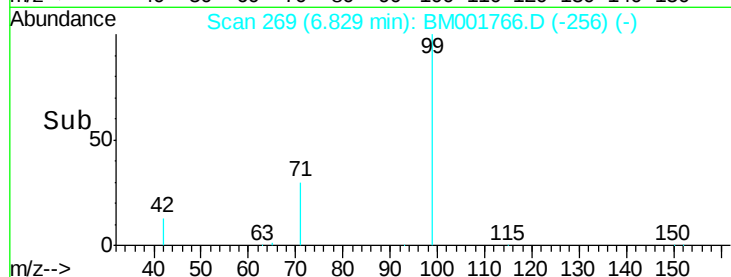
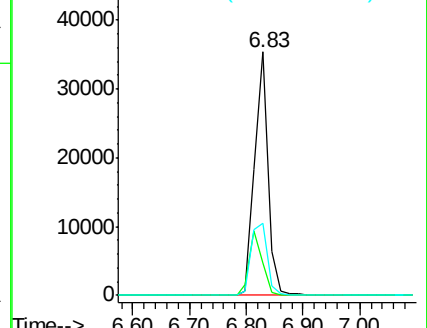
71 36.1 28.3 42.5



Abundance Ion 99.00 (98.70 to 99.70): BM001743.D (-261) (-)

Ion 42.00 (41.70 to 42.70): BM001743.D (-261) (-)

Ion 71.00 (70.70 to 71.70): BM001743.D (-261) (-)



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.46 min Scan# 551

Delta R.T. 0.00 min

Lab File: BM001766.D

Acq: 19 Jun 2015 17:39

Tgt Ion: 136 Resp: 64495

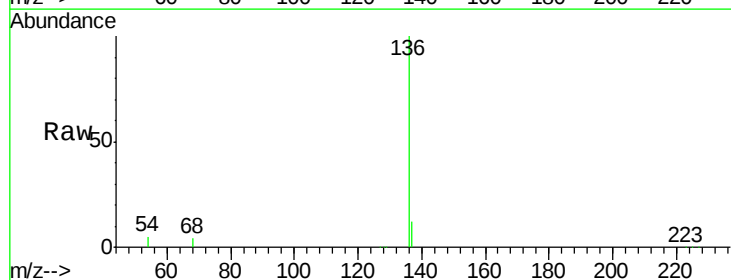
Ion Ratio Lower Upper

136 100

137 11.7 9.4 14.0

54 5.4 4.4 6.6

68 3.8 3.1 4.7

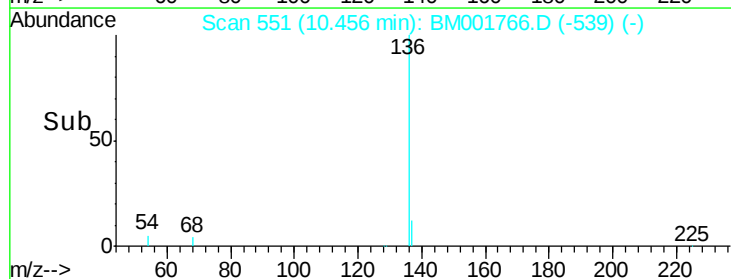
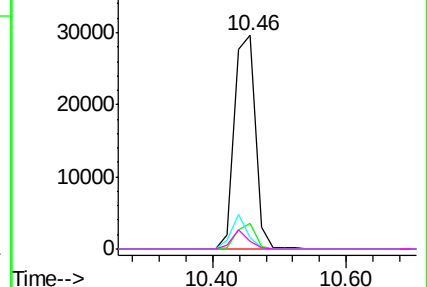


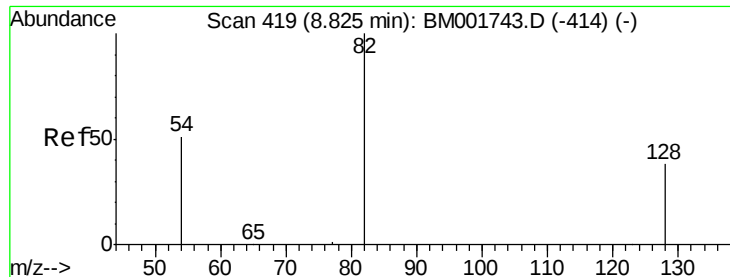
Abundance Ion 136.00 (135.70 to 136.70): BM001743.D (-542) (-)

Ion 137.00 (136.70 to 137.70): BM001743.D (-542) (-)

Ion 54.00 (53.70 to 54.70): BM001743.D (-542) (-)

Ion 68.00 (67.70 to 68.70): BM001743.D (-542) (-)





#7

Nitrobenzene-d5

Concen: 6.79 ng

RT: 8.83 min Scan# 419

Delta R.T. 0.00 min

Lab File: BM001766.D

Acq: 19 Jun 2015 17:39

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

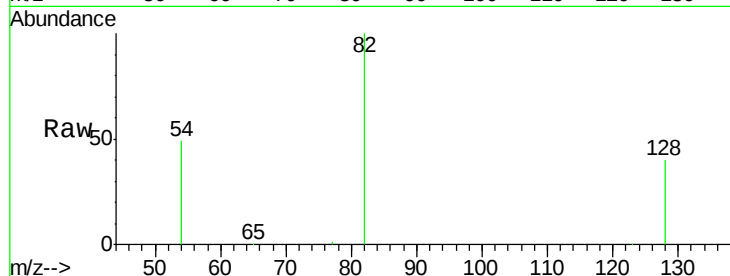
Tgt Ion: 82 Resp: 34187

Ion Ratio Lower Upper

82 100

128 39.9 31.3 46.9

54 49.0 41.9 62.9

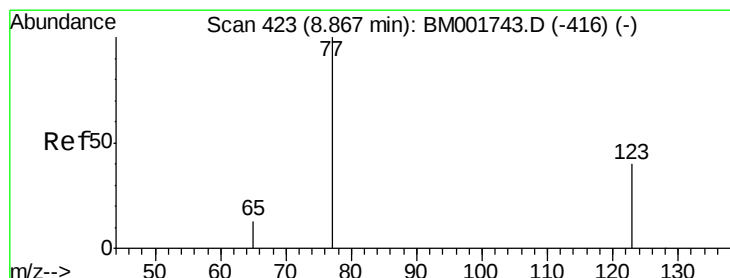
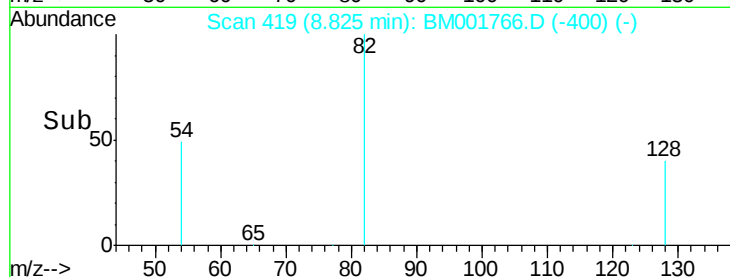


Abundance Ion 82.00 (81.70 to 82.70): BM001743.D (-414) (-)

Ion 128.00 (127.70 to 128.70): BM001743.D (-414) (-)

Ion 54.00 (53.70 to 54.70): BM001743.D (-414) (-)

Time-->



#8

Nitrobenzene

Concen: 0.09 ng

RT: 8.87 min Scan# 423

Delta R.T. 0.00 min

Lab File: BM001766.D

Acq: 19 Jun 2015 17:39

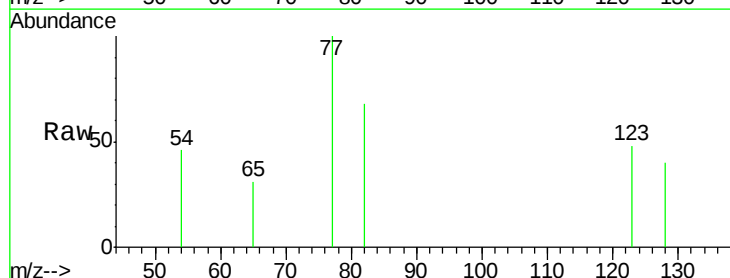
Tgt Ion: 77 Resp: 507

Ion Ratio Lower Upper

77 100

123 29.6 30.1 45.1#

65 11.0 11.3 16.9#

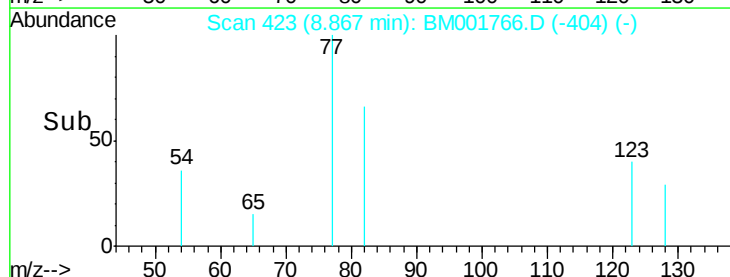


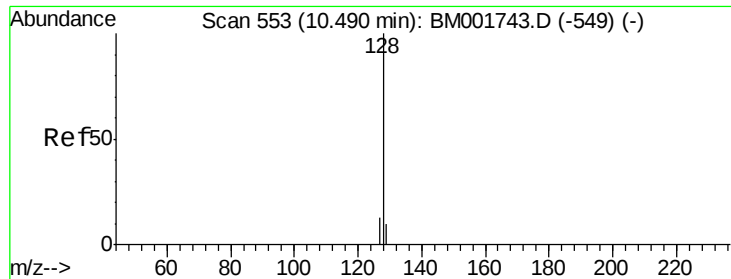
Abundance Ion 77.00 (76.70 to 77.70): BM001743.D (-416) (-)

Ion 123.00 (122.70 to 123.70): BM001743.D (-416) (-)

Ion 65.00 (64.70 to 65.70): BM001743.D (-416) (-)

Time-->





#9

Naphthalene

Concen: 0.07 ng

RT: 10.49 min Scan# 553

Delta R.T. 0.00 min

Lab File: BM001766.D

Acq: 19 Jun 2015 17:39

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

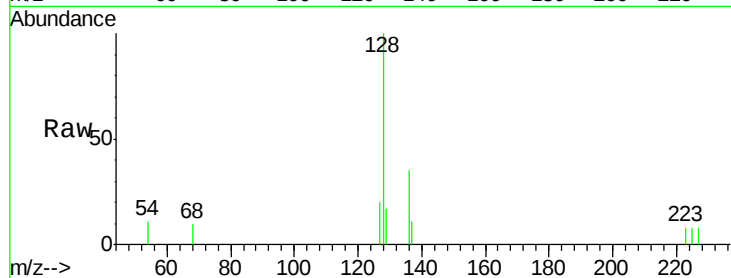
Tgt Ion:128 Resp: 1039

Ion Ratio Lower Upper

128 100

129 17.3 8.7 13.1#

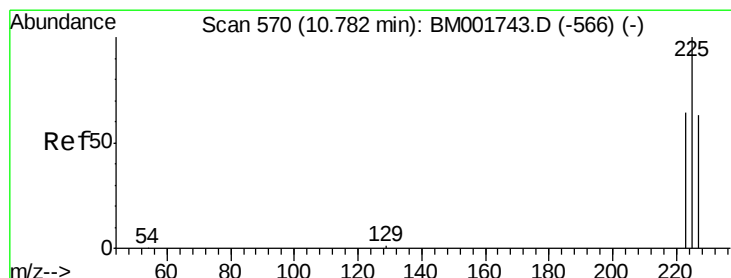
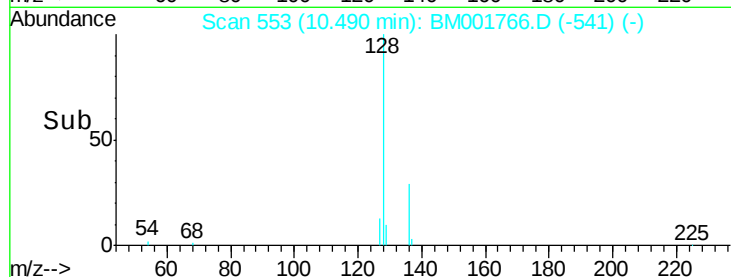
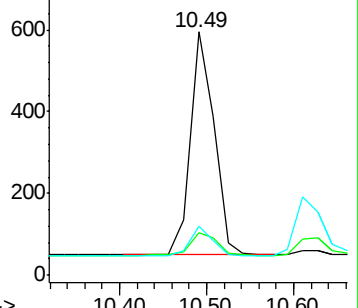
127 20.2 11.2 16.8#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.07 ng

RT: 10.78 min Scan# 570

Delta R.T. 0.00 min

Lab File: BM001766.D

Acq: 19 Jun 2015 17:39

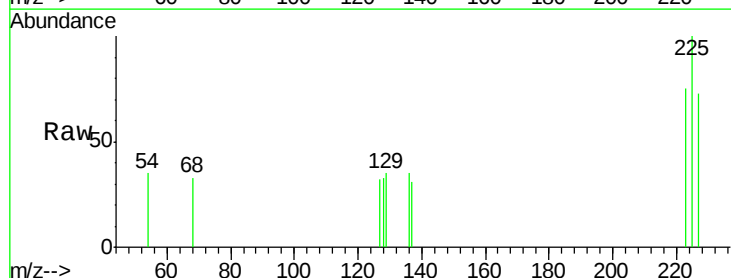
Tgt Ion:225 Resp: 178

Ion Ratio Lower Upper

225 100

223 62.9 51.0 76.4

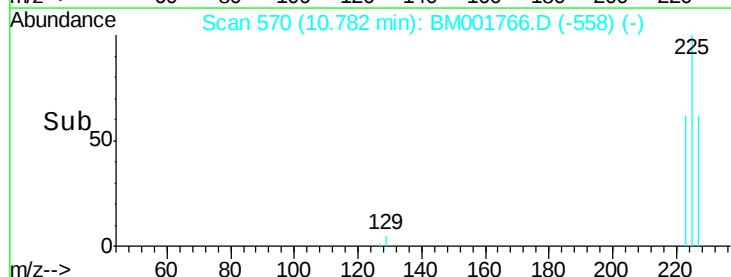
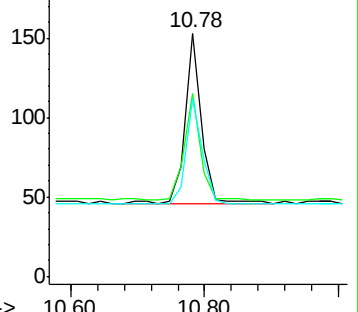
227 60.7 51.8 77.8



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





#11

2-Methylnaphthalene

Concen: 0.07 ng

RT: 12.13 min Scan# 679

Delta R.T. 0.01 min

Lab File: BM001766.D

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LOD-SOIL2015-01

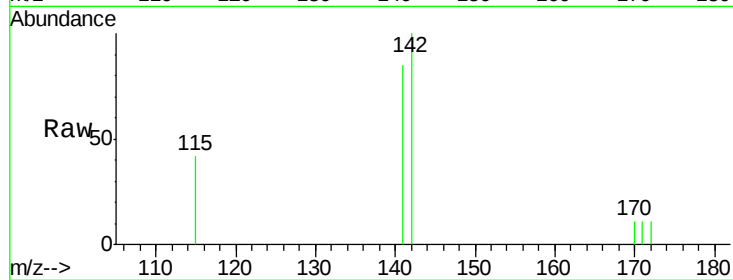
Tgt Ion:142 Resp: 678

Ion Ratio Lower Upper

142 100

141 85.2 73.6 110.4

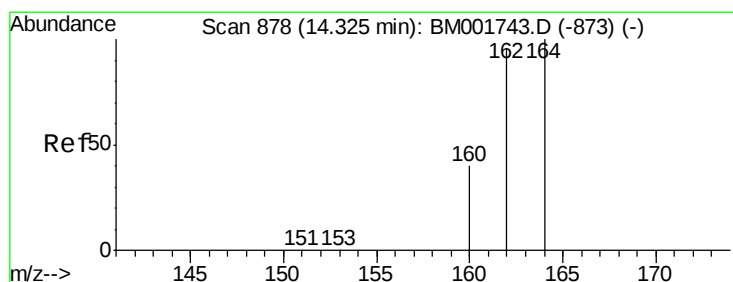
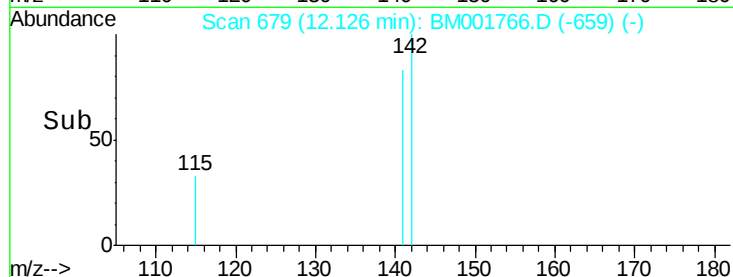
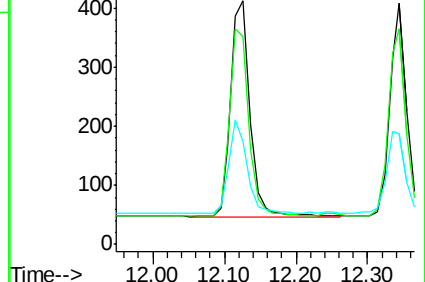
115 42.5 34.1 51.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.33 min Scan# 878

Delta R.T. 0.00 min

Lab File: BM001766.D

Acq: 19 Jun 2015 17:39

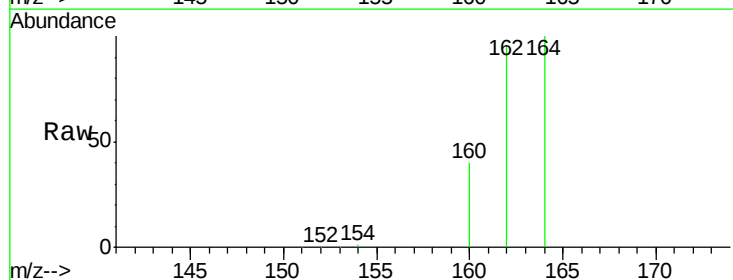
Tgt Ion:164 Resp: 31472

Ion Ratio Lower Upper

164 100

162 96.0 76.6 114.8

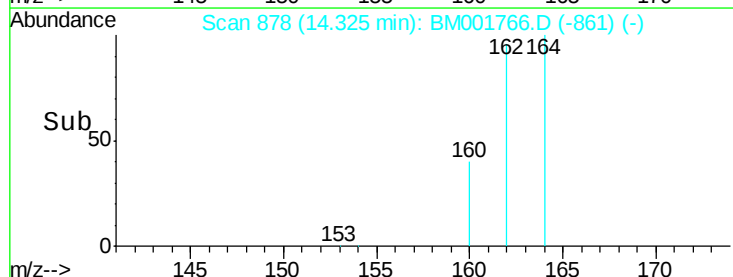
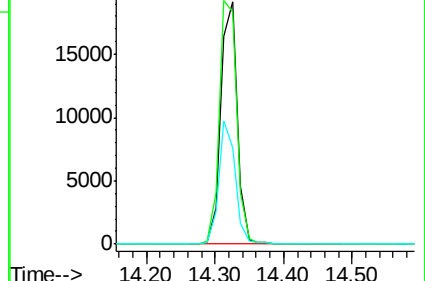
160 40.1 31.8 47.8

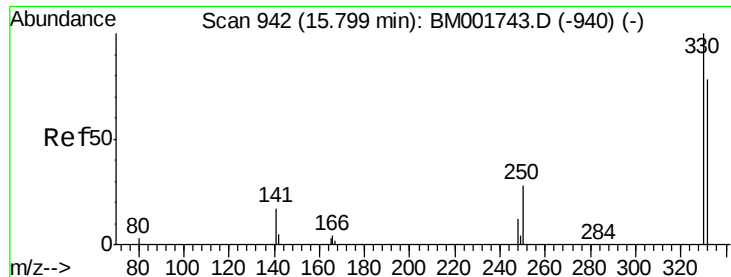


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

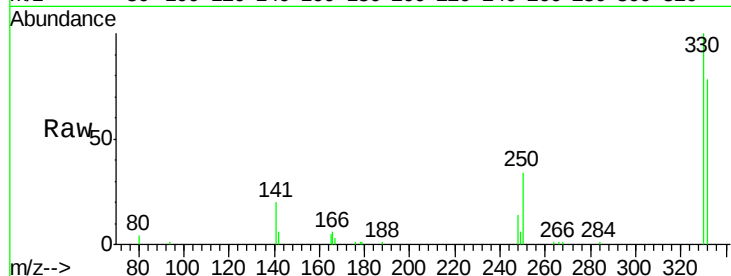




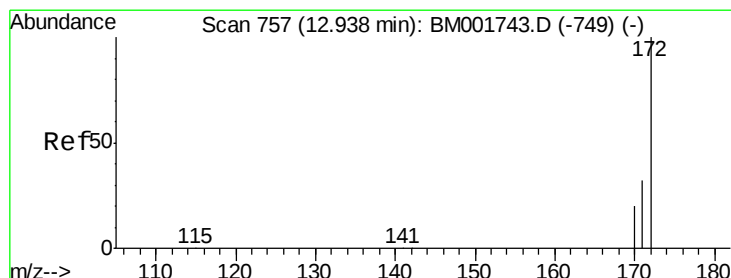
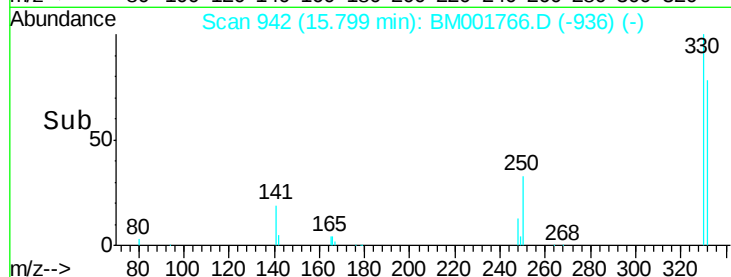
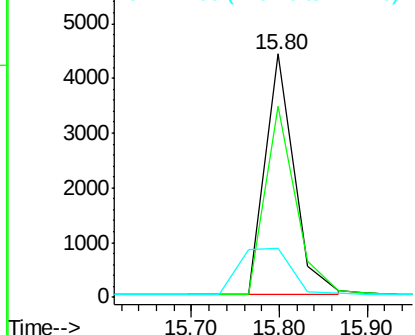
#13
 2,4,6-Tribromophenol
 Concen: 10.39 ng
 RT: 15.80 min Scan# 942
 Delta R.T. 0.00 min
 Lab File: BM001766.D
 Acq: 19 Jun 2015 17:39

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Tgt Ion:330 Resp: 10208
 Ion Ratio Lower Upper
 330 100
 332 82.9 65.8 98.8
 141 35.2 0.0 0.0#

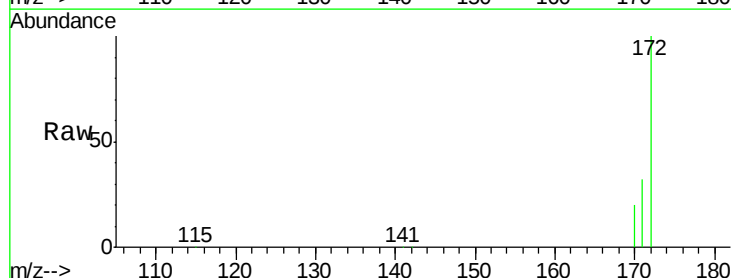


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

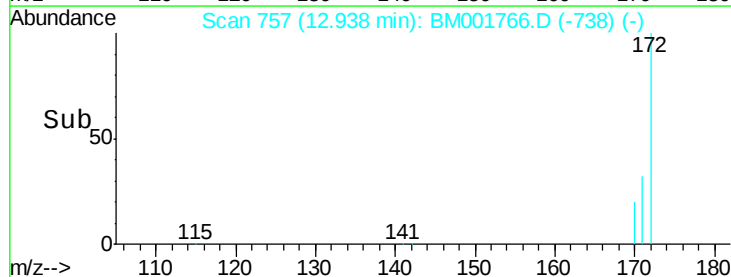
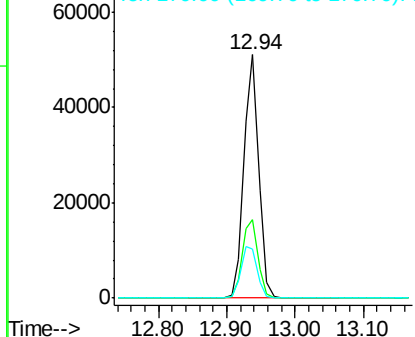


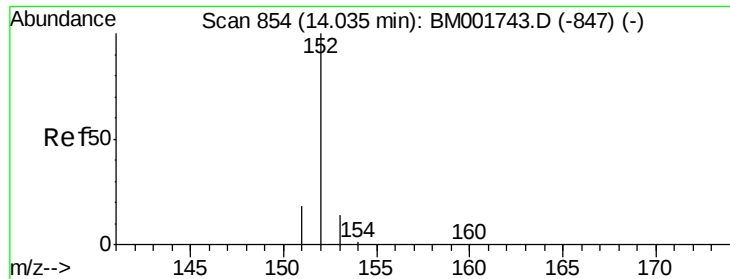
#14
 2-Fluorobiphenyl
 Concen: 6.86 ng
 RT: 12.94 min Scan# 757
 Delta R.T. 0.00 min
 Lab File: BM001766.D
 Acq: 19 Jun 2015 17:39

Tgt Ion:172 Resp: 77156
 Ion Ratio Lower Upper
 172 100
 171 32.2 26.2 39.2
 170 20.3 16.6 24.8



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

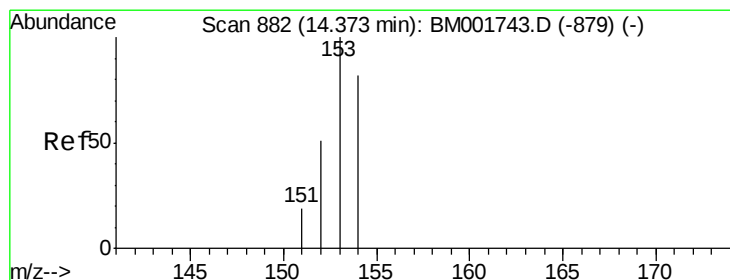
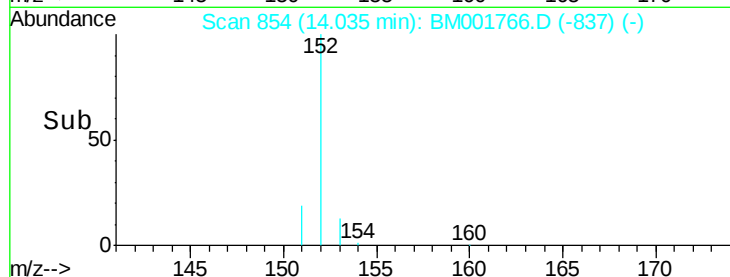
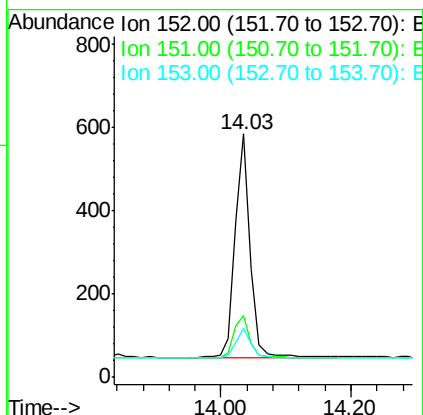
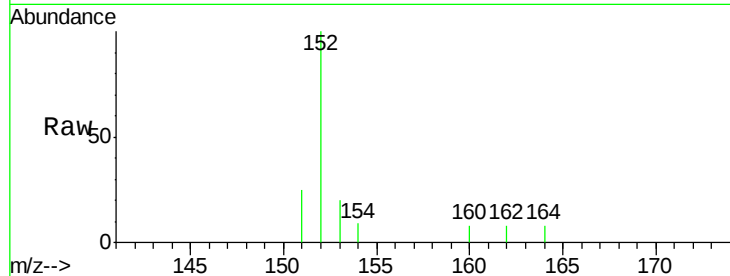




#15
Acenaphthylene
Concen: 0.06 ng
RT: 14.03 min Scan# 854
Delta R.T. 0.00 min
Lab File: BM001766.D
Acq: 19 Jun 2015 17:39

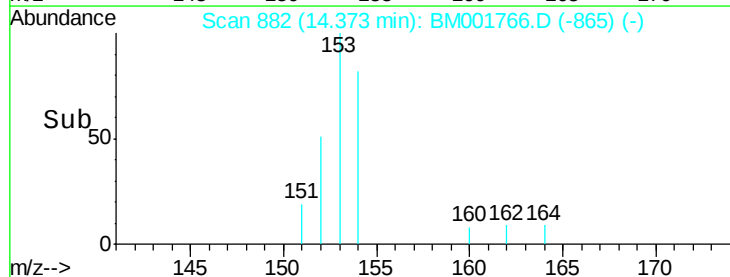
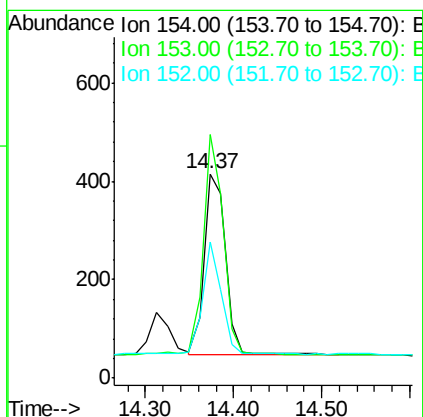
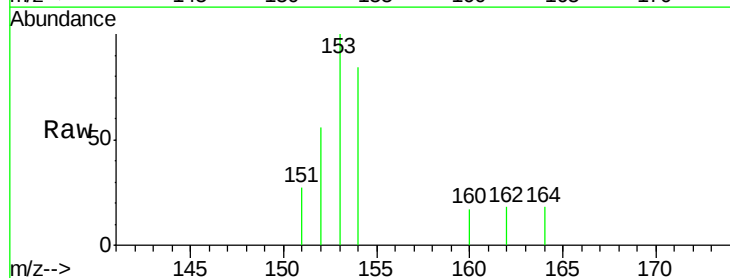
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

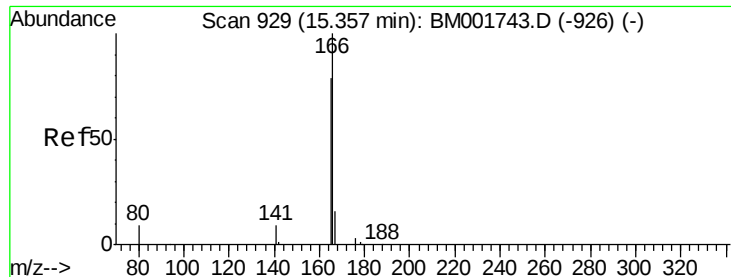
Tgt Ion:152 Resp: 867
Ion Ratio Lower Upper
152 100
151 19.8 15.4 23.2
153 12.9 10.4 15.6



#16
Acenaphthene
Concen: 0.07 ng
RT: 14.37 min Scan# 882
Delta R.T. 0.00 min
Lab File: BM001766.D
Acq: 19 Jun 2015 17:39

Tgt Ion:154 Resp: 618
Ion Ratio Lower Upper
154 100
153 115.2 90.0 135.0
152 56.1 44.2 66.4

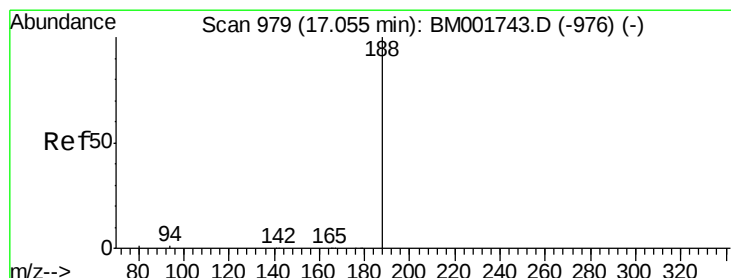
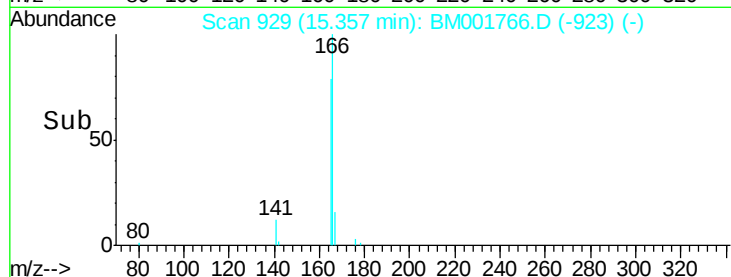
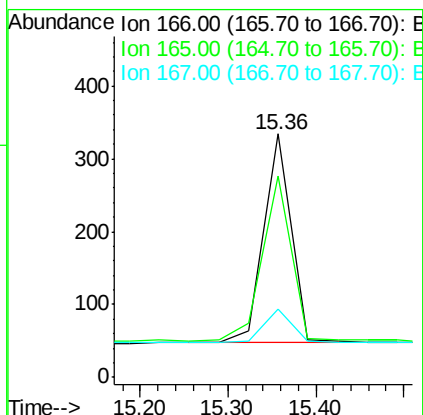
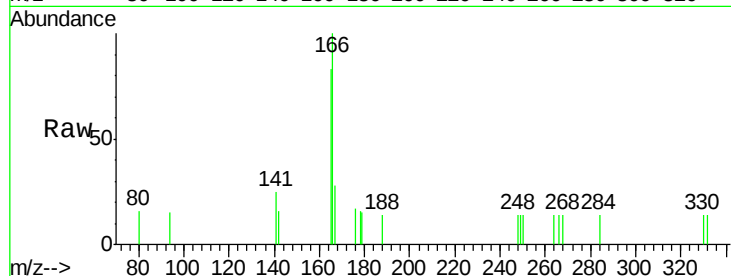




#17
Fluorene
 Concen: 0.08 ng
 RT: 15.36 min Scan# 929
 Delta R.T. 0.00 min
 Lab File: BM001766.D
 Acq: 19 Jun 2015 17:39

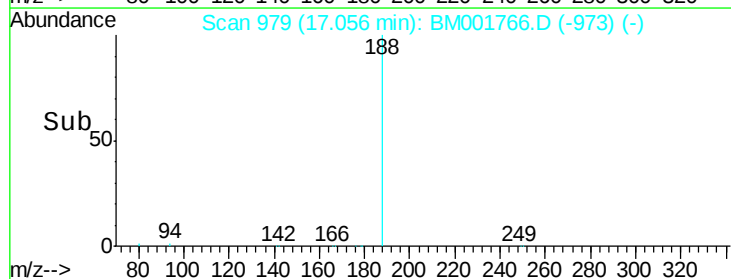
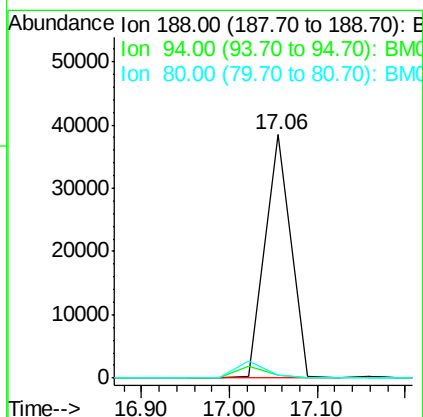
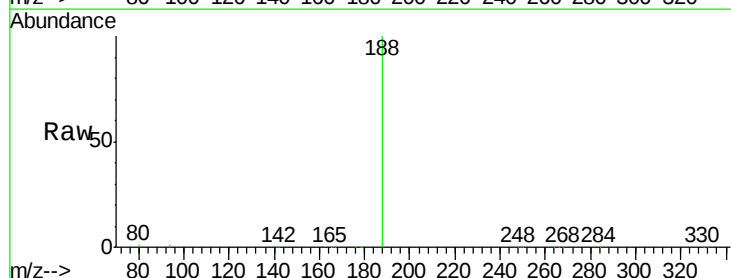
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

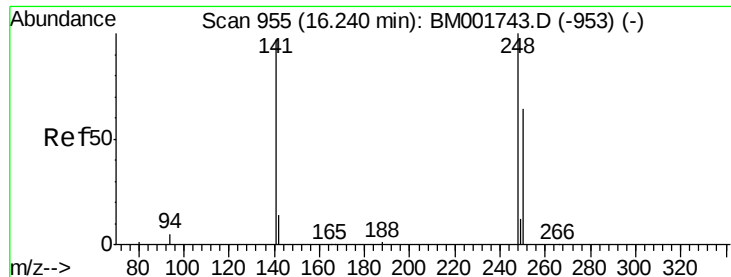
Tgt Ion:166 Resp: 624
 Ion Ratio Lower Upper
 166 100
 165 84.3 68.2 102.2
 167 15.7 12.2 18.2



#18
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.06 min Scan# 979
 Delta R.T. 0.00 min
 Lab File: BM001766.D
 Acq: 19 Jun 2015 17:39

Tgt Ion:188 Resp: 79390
 Ion Ratio Lower Upper
 188 100
 94 1.5 1.3 1.9
 80 1.2 1.0 1.6

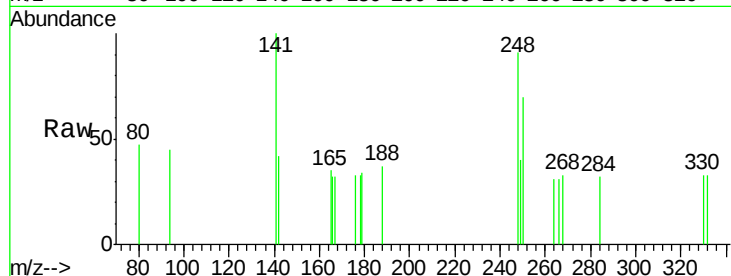




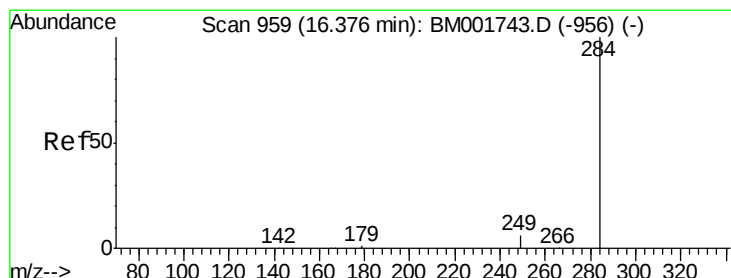
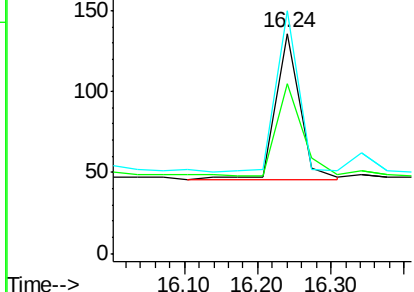
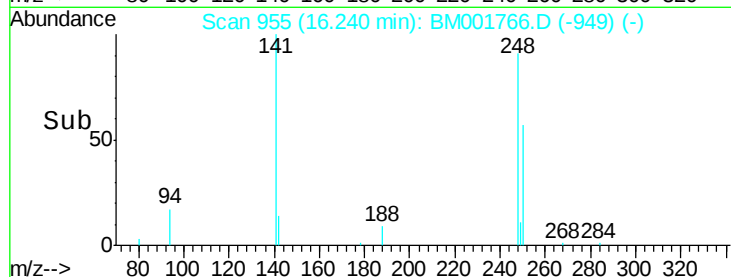
#19
4-Bromophenyl-phenylether
Concen: 0.06 ng
RT: 16.24 min Scan# 955
Delta R.T. 0.00 min
Lab File: BM001766.D
Acq: 19 Jun 2015 17:39

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

Tgt Ion:248 Resp: 206
Ion Ratio Lower Upper
248 100
250 68.4 54.8 82.2
141 104.9 76.2 114.4

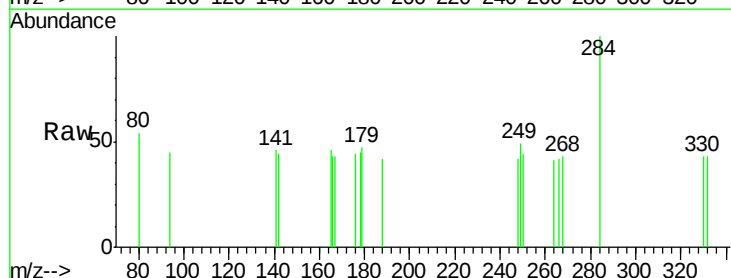


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

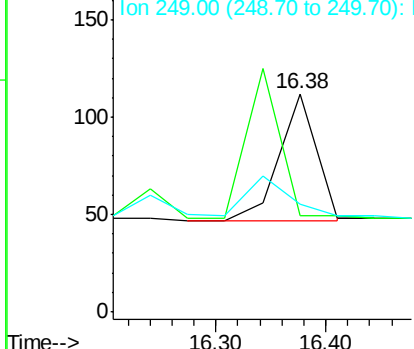
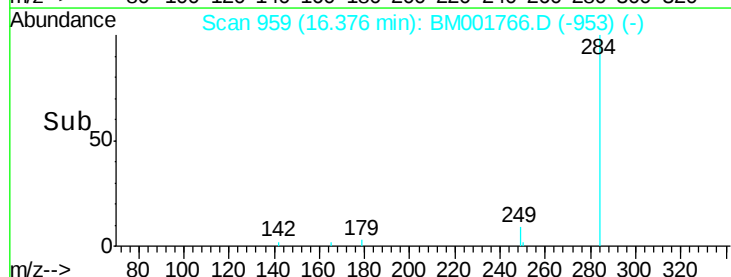


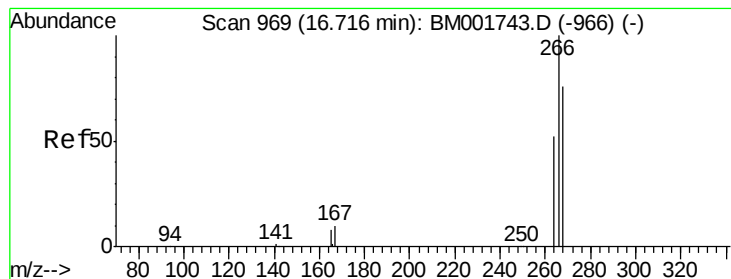
#20
Hexachlorobenzene
Concen: 0.07 ng
RT: 16.38 min Scan# 959
Delta R.T. 0.00 min
Lab File: BM001766.D
Acq: 19 Jun 2015 17:39

Tgt Ion:284 Resp: 153
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 0.0 0.0 0.0



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





#21

Pentachlorophenol

Concen: 0.06 ng

RT: 16.72 min Scan# 969

Delta R.T. 0.00 min

Lab File: BM001766.D

Acq: 19 Jun 2015 17:39

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

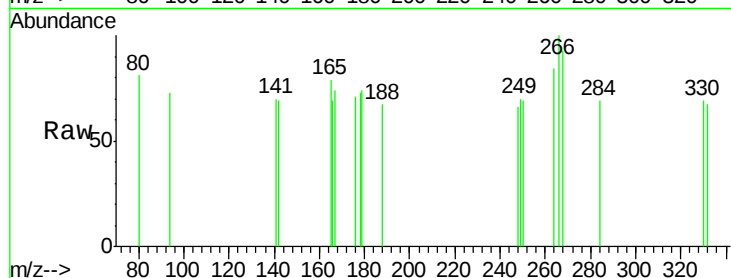
Tgt Ion:266 Resp: 59

Ion Ratio Lower Upper

266 100

268 92.9 63.2 94.8

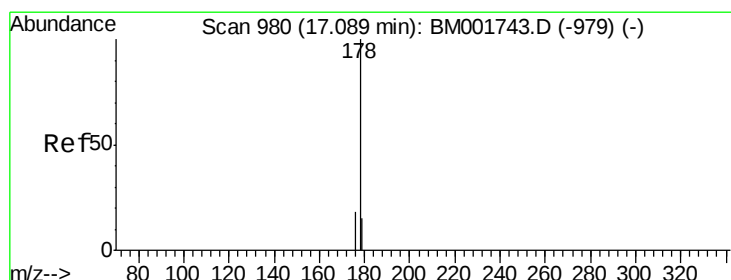
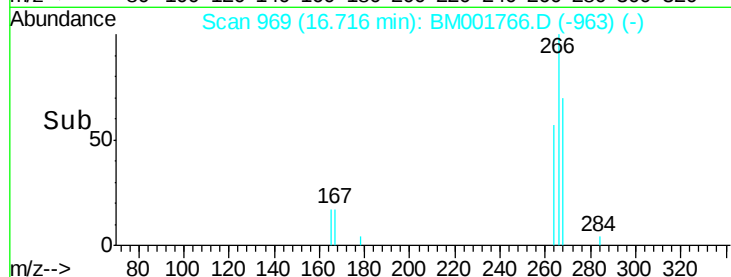
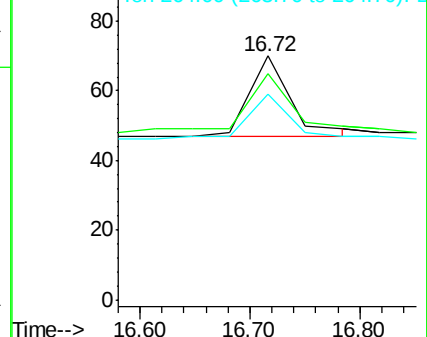
264 84.3 46.2 69.2#



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



#22

Phenanthrene

Concen: 0.06 ng

RT: 17.09 min Scan# 980

Delta R.T. 0.00 min

Lab File: BM001766.D

Acq: 19 Jun 2015 17:39

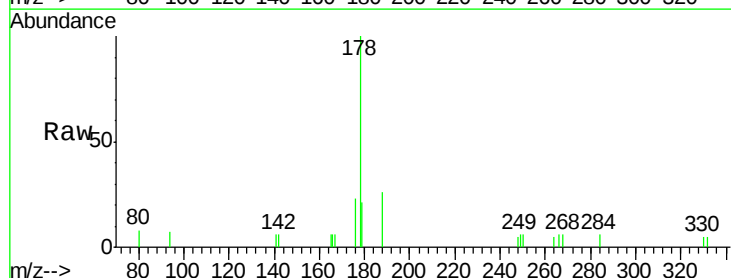
Tgt Ion:178 Resp: 1710

Ion Ratio Lower Upper

178 100

176 18.0 15.4 23.2

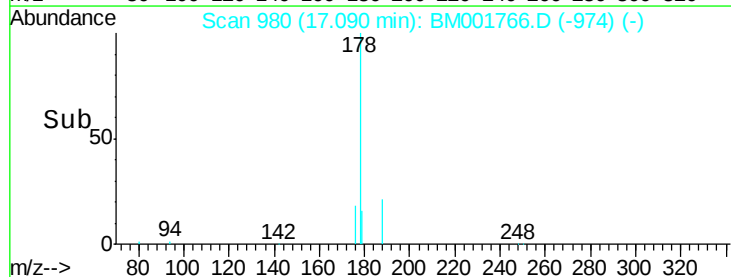
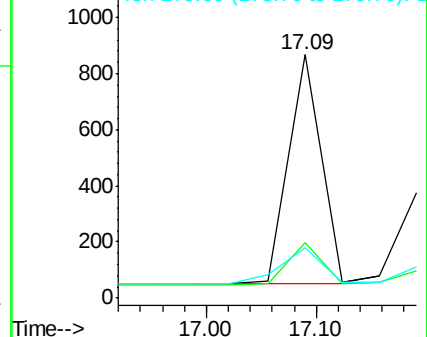
179 19.6 12.6 19.0#

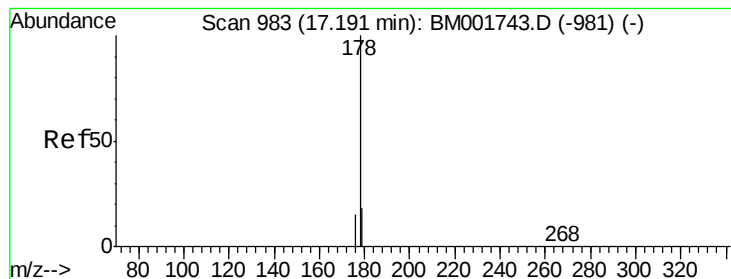


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#23

Anthracene

Concen: 0.06 ng

RT: 17.19 min Scan# 983

Delta R.T. 0.00 min

Lab File: BM001766.D

Acq: 19 Jun 2015 17:39

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

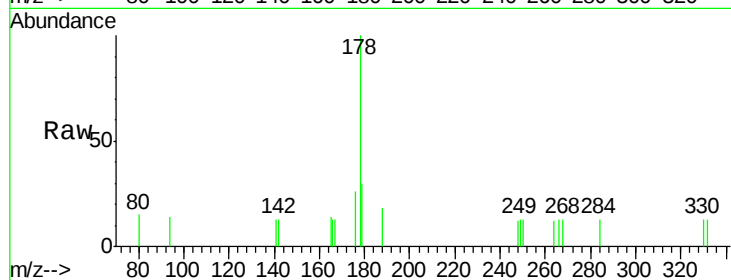
Tgt Ion:178 Resp: 673

Ion Ratio Lower Upper

178 100

176 14.9 10.0 15.0

179 18.1 12.3 18.5



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

17.19

400

300

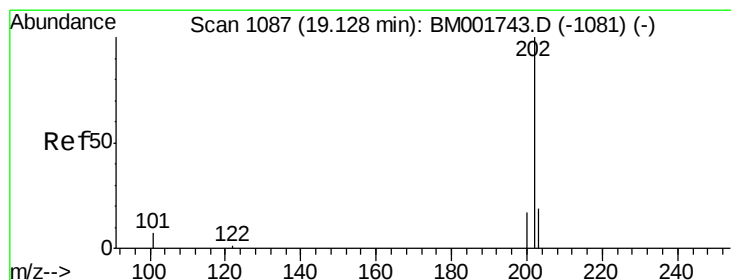
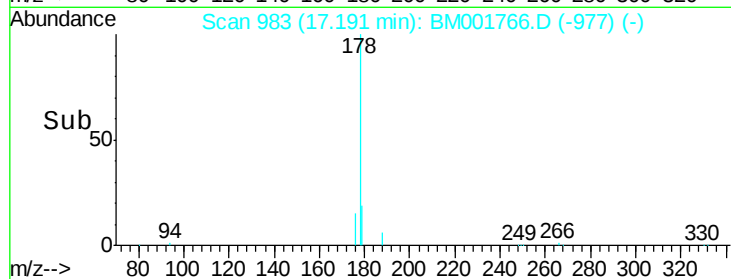
200

100

0

17.15 17.20 17.25

Time-->



#24

Fluoranthene

Concen: 0.06 ng

RT: 19.13 min Scan# 1087

Delta R.T. 0.00 min

Lab File: BM001766.D

Acq: 19 Jun 2015 17:39

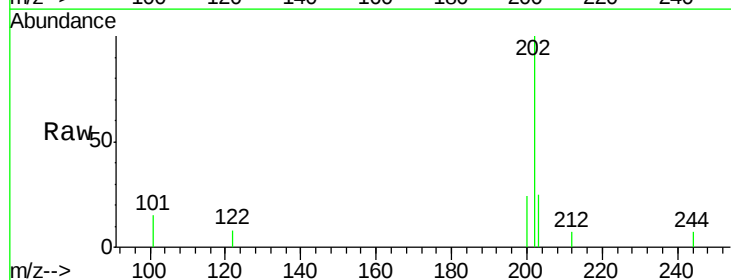
Tgt Ion:202 Resp: 1034

Ion Ratio Lower Upper

202 100

101 13.7 10.8 16.2

203 17.5 13.8 20.6



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

19.13

800

600

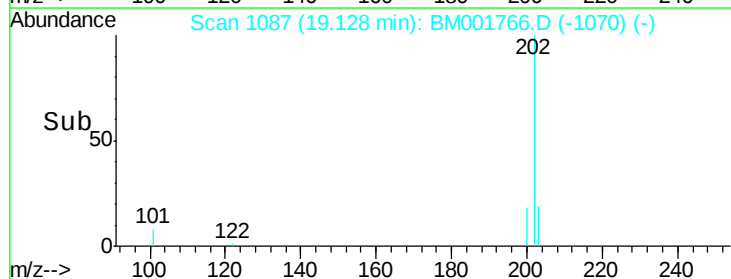
400

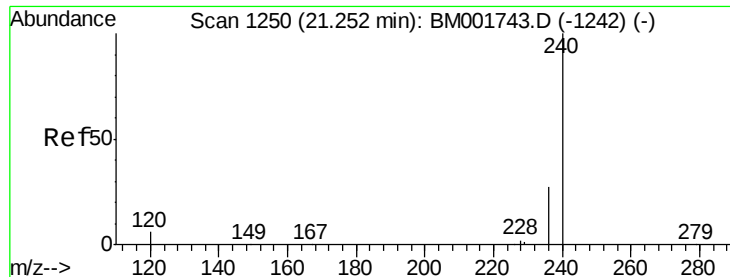
200

0

19.00 19.10 19.20 19.30

Time-->





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.25 min Scan# 1250

Delta R.T. 0.00 min

Lab File: BM001766.D

Acq: 19 Jun 2015 17:39

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

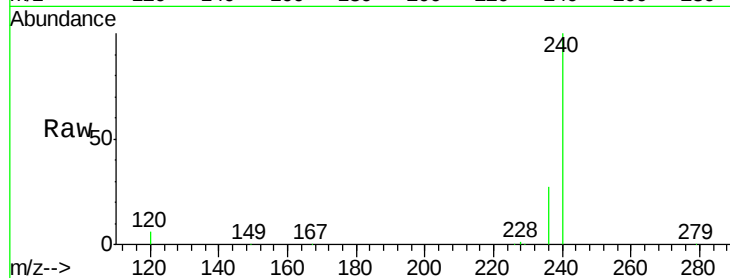
Tgt Ion:240 Resp: 42522

Ion Ratio Lower Upper

240 100

120 6.2 4.7 7.1

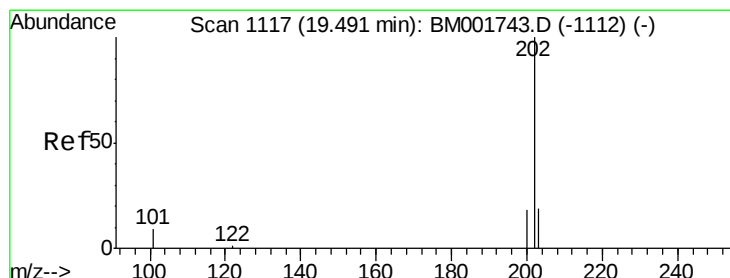
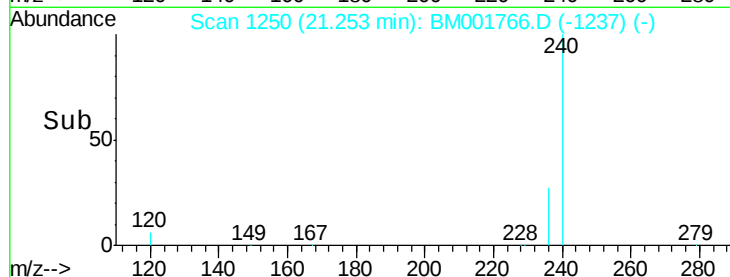
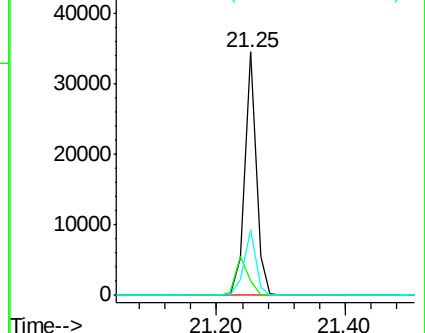
236 27.0 21.6 32.4



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



#26

Pyrene

Concen: 0.07 ng

RT: 19.49 min Scan# 1117

Delta R.T. 0.00 min

Lab File: BM001766.D

Acq: 19 Jun 2015 17:39

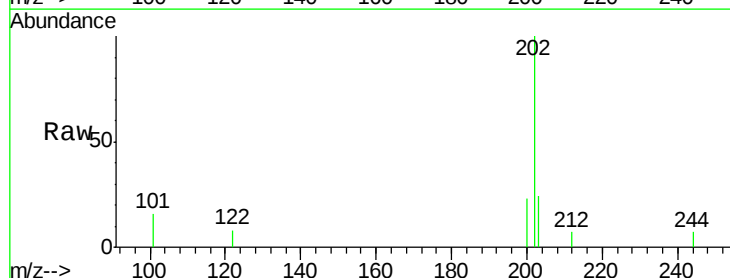
Tgt Ion:202 Resp: 1056

Ion Ratio Lower Upper

202 100

200 20.5 16.6 24.8

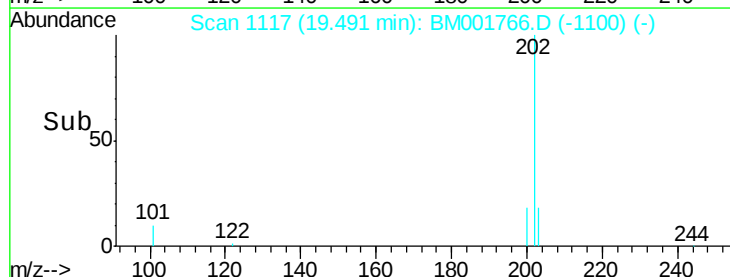
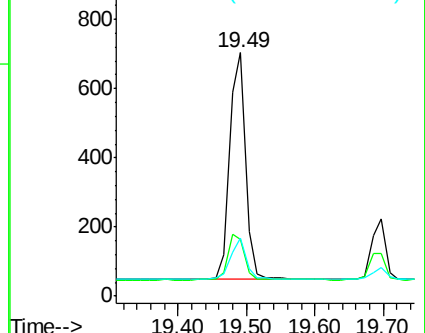
203 18.7 13.9 20.9

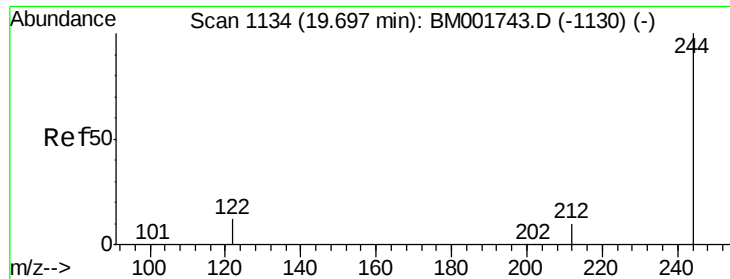


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

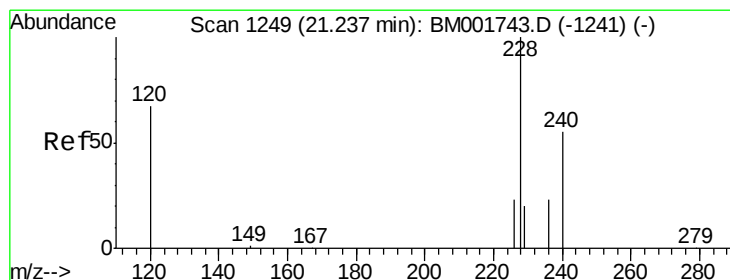
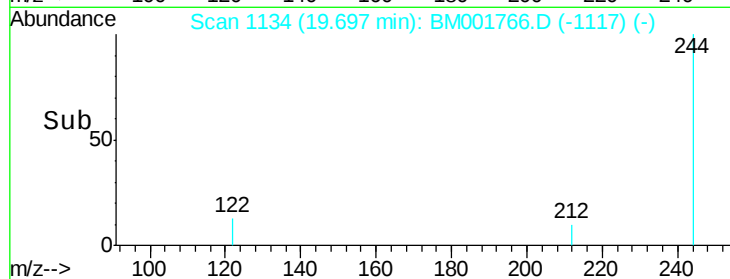
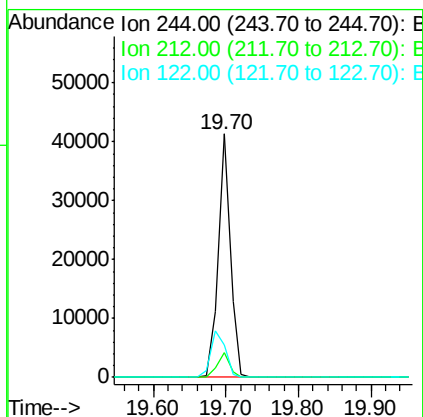
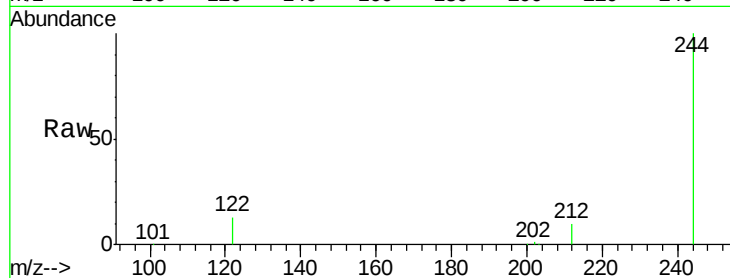




#27
 Terphenyl-d14
 Concen: 7.70 ng
 RT: 19.70 min Scan# 1134
 Delta R.T. 0.00 min
 Lab File: BM001766.D
 Acq: 19 Jun 2015 17:39

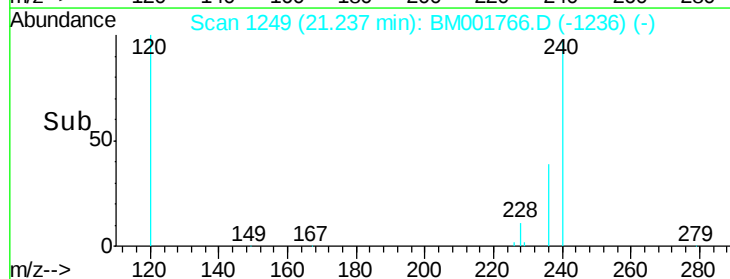
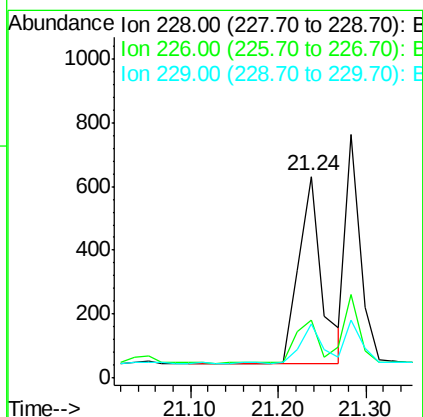
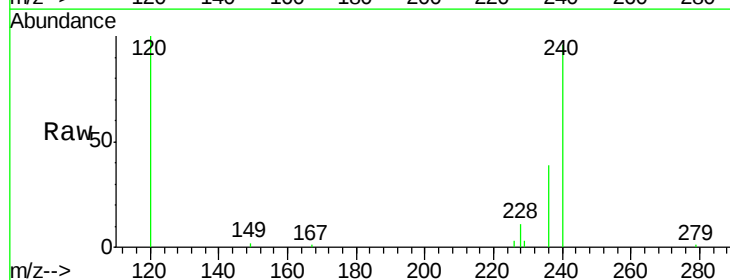
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

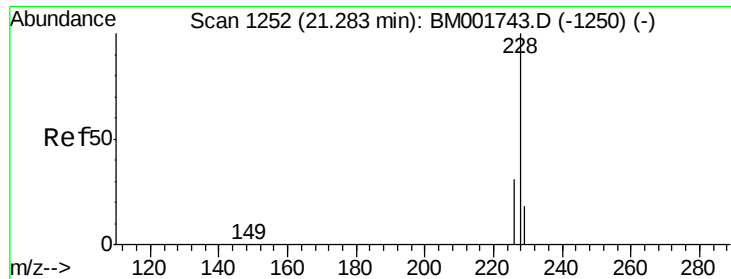
Tgt Ion:244 Resp: 48250
 Ion Ratio Lower Upper
 244 100
 212 10.3 8.6 13.0
 122 13.2 10.6 15.8



#28
 Benzo(a)anthracene
 Concen: 0.08 ng
 RT: 21.24 min Scan# 1249
 Delta R.T. 0.00 min
 Lab File: BM001766.D
 Acq: 19 Jun 2015 17:39

Tgt Ion:228 Resp: 1056
 Ion Ratio Lower Upper
 228 100
 226 28.8 18.9 28.3#
 229 26.9 16.6 25.0#





#29

Chrysene

Concen: 0.06 ng

RT: 21.28 min Scan# 1252

Delta R.T. 0.00 min

Lab File: BM001766.D

Acq: 19 Jun 2015 17:39

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

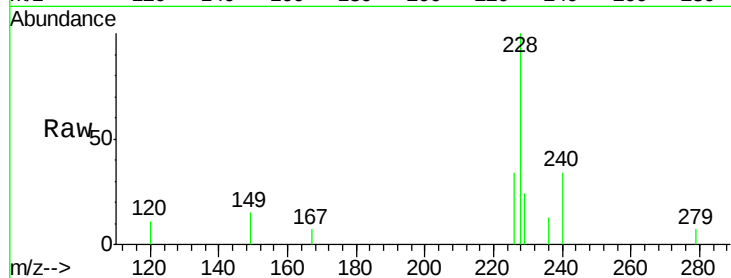
Tgt Ion: 228 Resp: 849

Ion Ratio Lower Upper

228 100

226 34.4 24.3 36.5

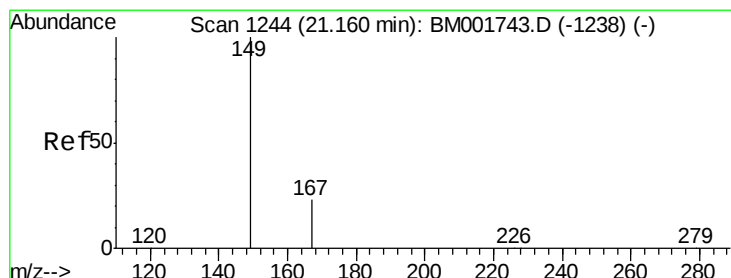
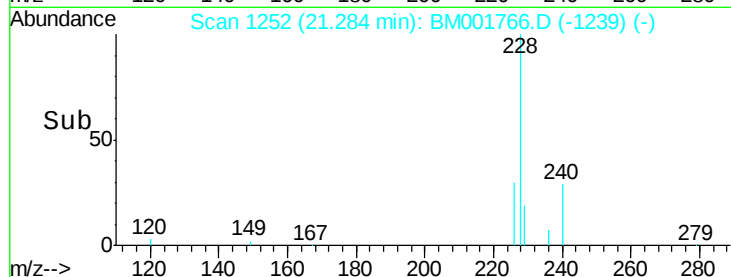
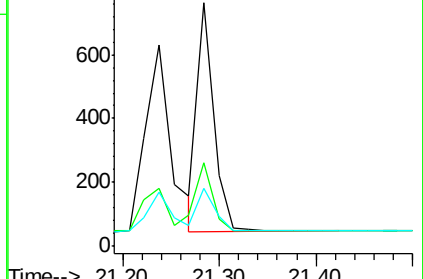
229 23.8 15.0 22.6#



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



#30

Bis(2-ethylhexyl)phthalate

Concen: 0.09 ng

RT: 21.16 min Scan# 1244

Delta R.T. 0.00 min

Lab File: BM001766.D

Acq: 19 Jun 2015 17:39

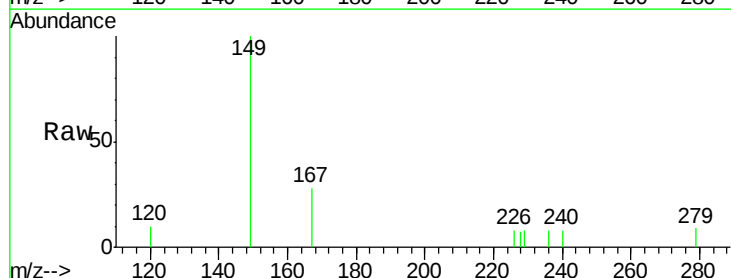
Tgt Ion: 149 Resp: 655

Ion Ratio Lower Upper

149 100

167 23.5 19.7 29.5

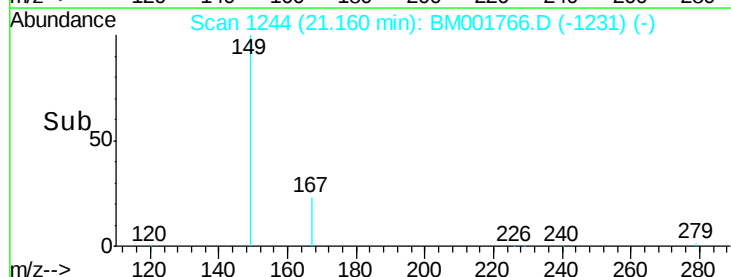
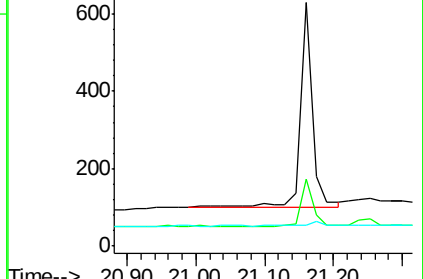
279 3.5 1.6 2.4#

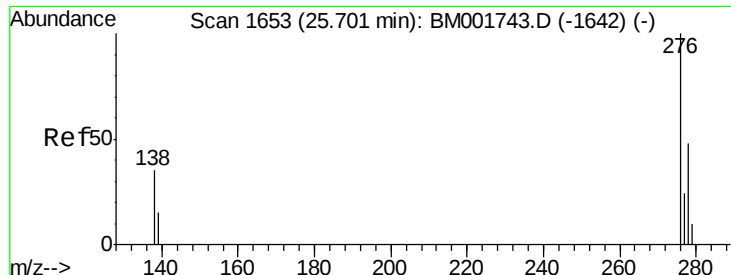


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#31

Indeno(1,2,3-cd)pyrene

Concen: 0.06 ng

RT: 25.71 min Scan# 1654

Delta R.T. 0.01 min

Lab File: BM001766.D

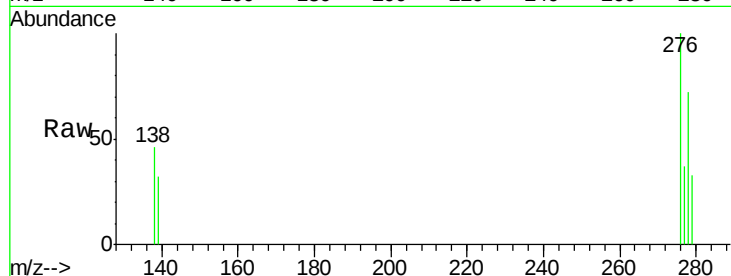
Acq: 19 Jun 2015 17:39

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01



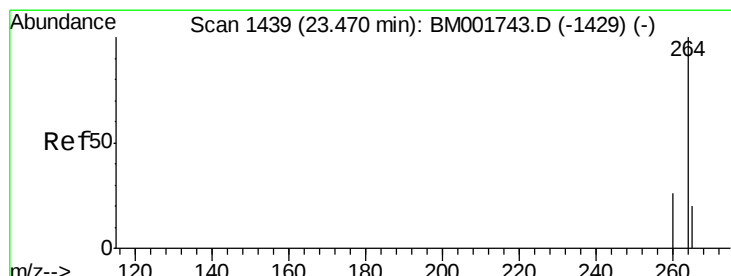
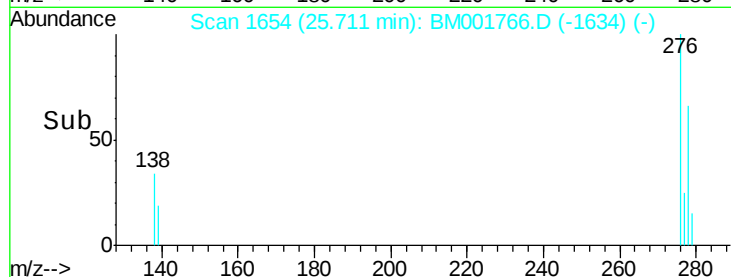
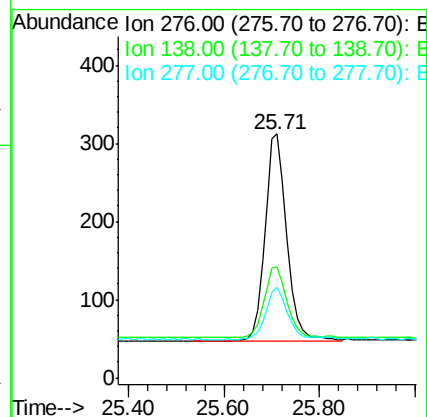
Tgt Ion:276 Resp: 841

Ion Ratio Lower Upper

276 100

138 35.9 29.0 43.6

277 25.1 19.7 29.5



#32

Perylene-d12

Concen: 5.00 ng

RT: 23.47 min Scan# 1439

Delta R.T. 0.00 min

Lab File: BM001766.D

Acq: 19 Jun 2015 17:39

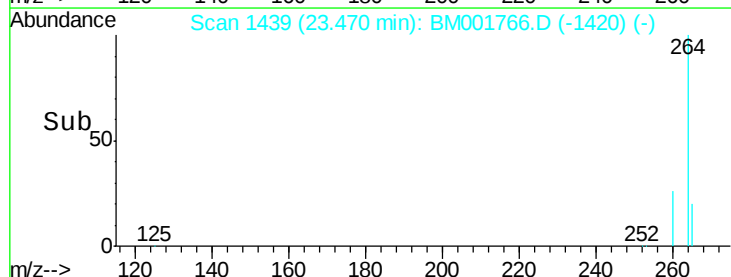
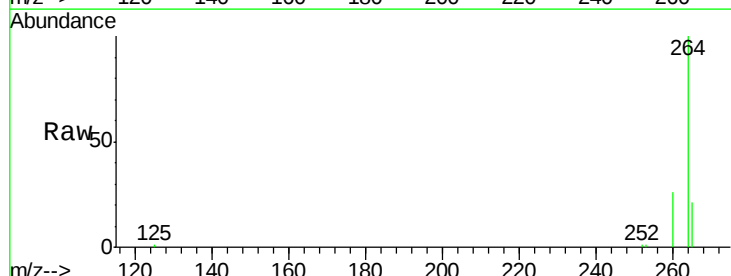
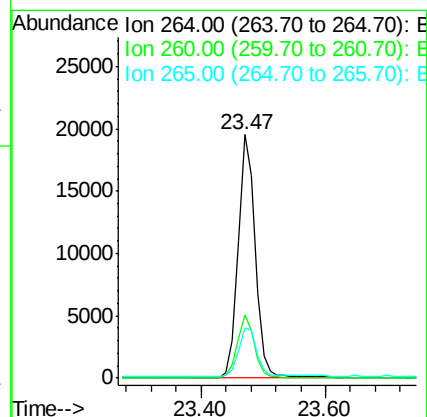
Tgt Ion:264 Resp: 37349

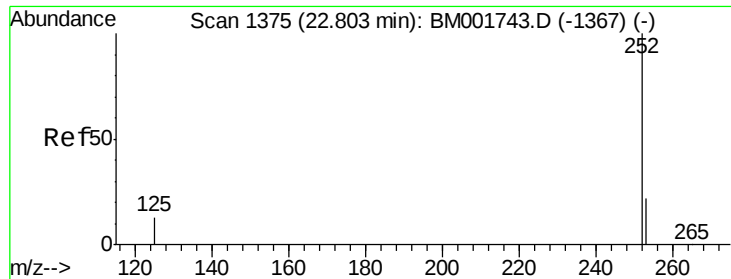
Ion Ratio Lower Upper

264 100

260 26.1 20.8 31.2

265 20.9 16.8 25.2





#33

Benzo(b)fluoranthene

Concen: 0.07 ng

RT: 22.80 min Scan# 1375

Delta R.T. 0.00 min

Lab File: BM001766.D

Acq: 19 Jun 2015 17:39

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

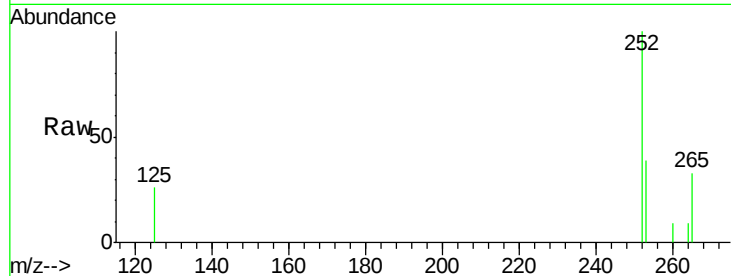
Tgt Ion:252 Resp: 851

Ion Ratio Lower Upper

252 100

253 38.9 19.0 28.4#

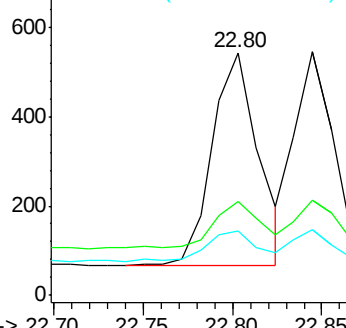
125 26.4 11.3 16.9#



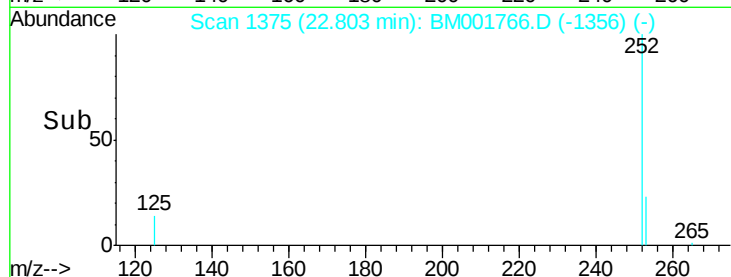
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time--> 22.70 22.75 22.80 22.85



#34

Benzo(k)fluoranthene

Concen: 0.07 ng

RT: 22.84 min Scan# 1379

Delta R.T. 0.00 min

Lab File: BM001766.D

Acq: 19 Jun 2015 17:39

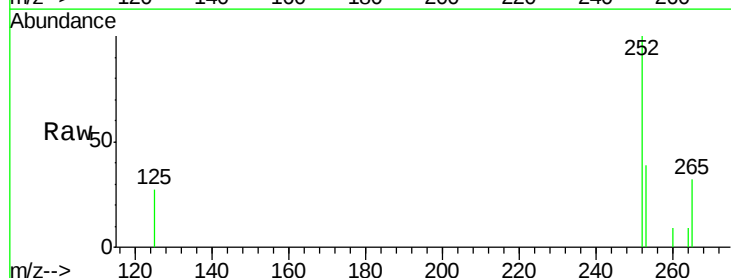
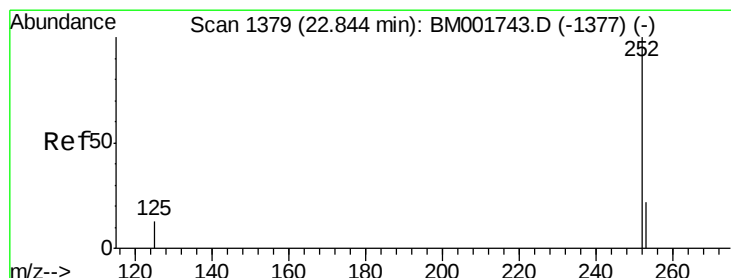
Tgt Ion:252 Resp: 745

Ion Ratio Lower Upper

252 100

253 39.3 18.2 27.4#

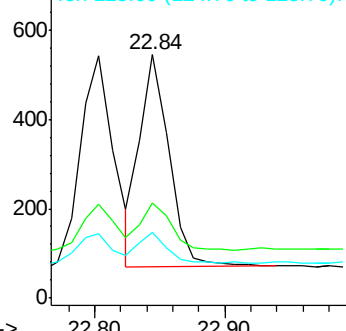
125 26.8 11.8 17.6#



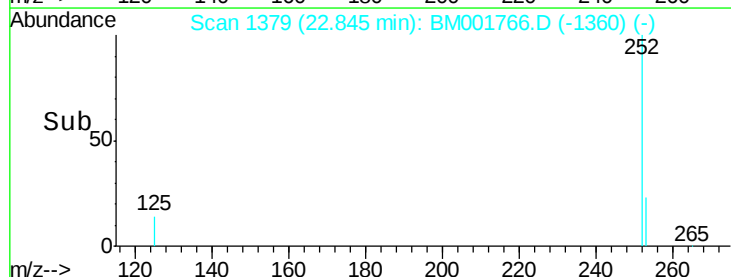
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time--> 22.80 22.90





#35

Benzo(a)pyrene

Concen: 0.07 ng

RT: 23.37 min Scan# 1429

Delta R.T. 0.00 min

Lab File: BM001766.D

Acq: 19 Jun 2015 17:39

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

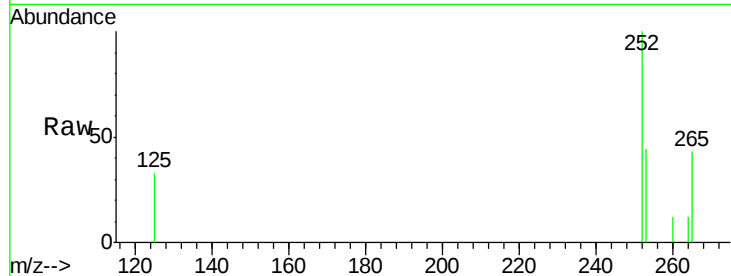
Tgt Ion: 252 Resp: 717

Ion Ratio Lower Upper

252 100

253 44.0 17.9 26.9#

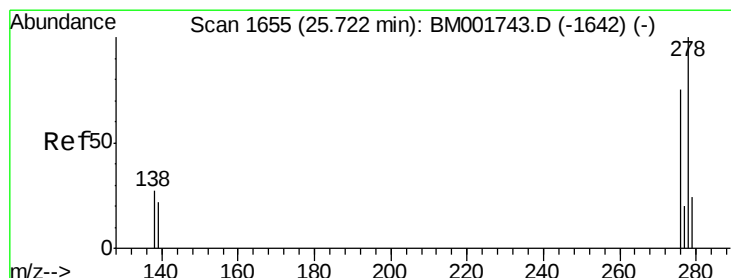
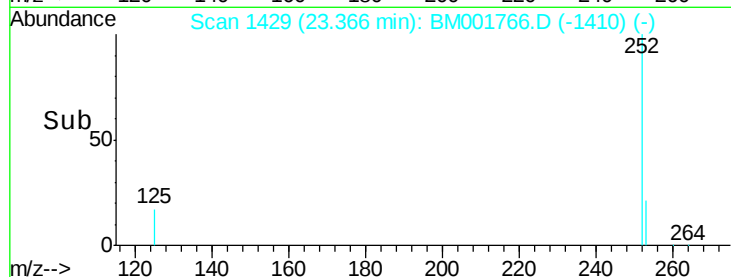
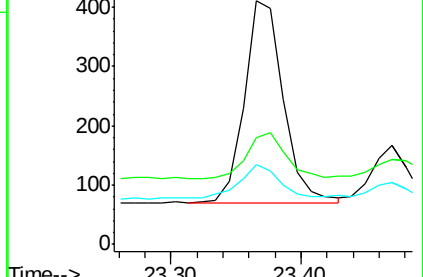
125 32.6 14.1 21.1#



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



#36

Dibenzo(a,h)anthracene

Concen: 0.07 ng

RT: 25.72 min Scan# 1655

Delta R.T. 0.00 min

Lab File: BM001766.D

Acq: 19 Jun 2015 17:39

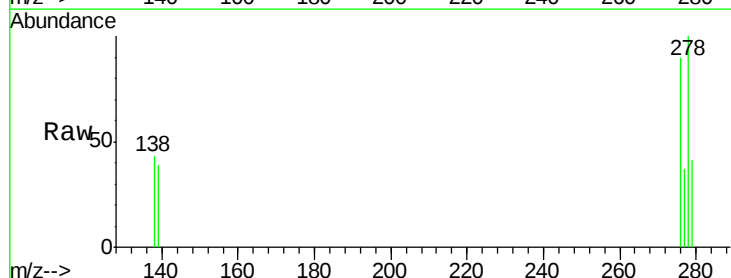
Tgt Ion: 278 Resp: 679

Ion Ratio Lower Upper

278 100

139 38.7 18.4 27.6#

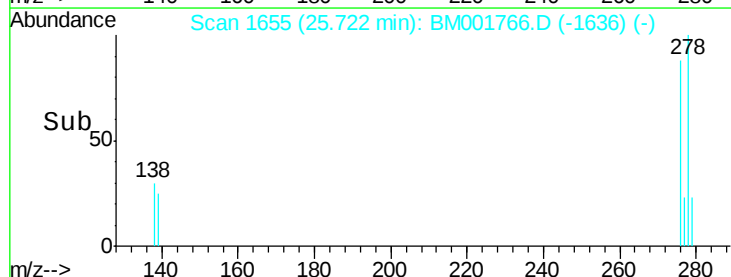
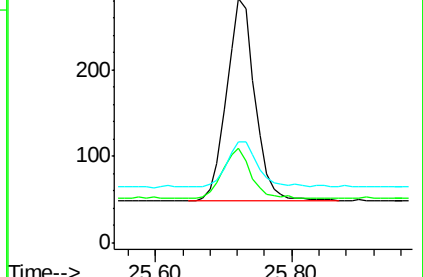
279 41.5 19.8 29.8#

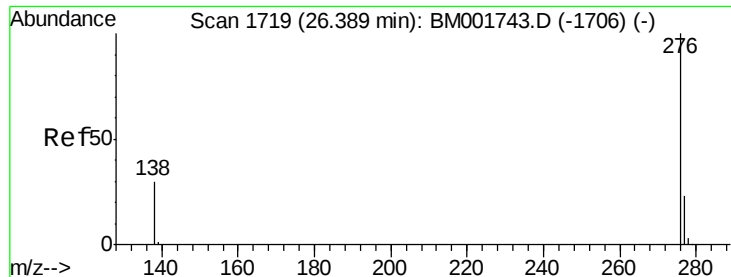


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#37

Benzo(g,h,i)perylene

Concen: 0.07 ng

RT: 26.39 min Scan# 1719

Delta R.T. 0.00 min

Lab File: BM001766.D

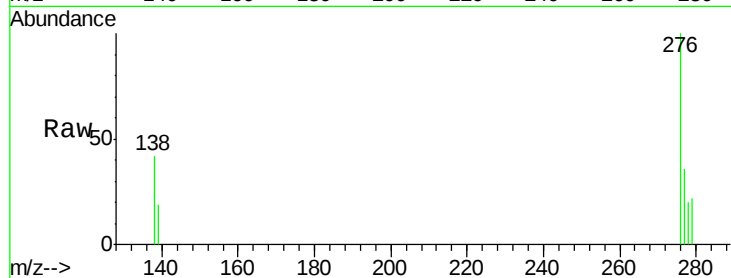
Acq: 19 Jun 2015 17:39

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01



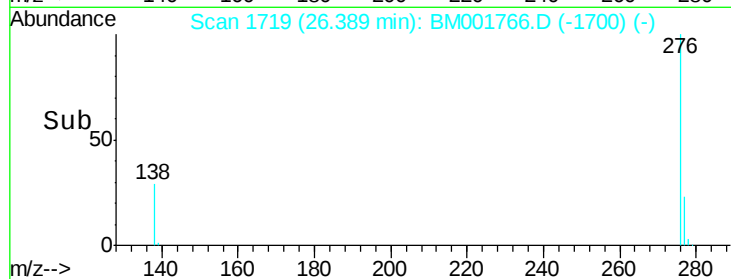
Tgt Ion: 276 Resp: 778

Ion Ratio Lower Upper

276 100

277 36.4 19.3 28.9#

138 41.9 24.7 37.1#



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

