

Data Path : Z:\HPCHEM1\BNA M\DATA\BM010216\
 Data File : BM003919.D
 Acq On : 31 Dec 2015 18:04
 Operator : SJ/UM
 Sample : G4825-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL2016-02

Quant Time: Jan 04 13:53:18 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-SIM-BM010216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 04 13:33:21 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	41037	5.00	ng	0.00
7) Naphthalene-d8	10.46	136	165888	5.00	ng	0.00
13) Acenaphthene-d10	14.33	164	84146	5.00	ng	0.00
19) Phenanthrene-d10	17.06	188	212294	5.00	ng	0.00
26) Chrysene-d12	21.27	240	134704	5.00	ng	0.00
35) Perylene-d12	23.52	264	99961	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.27	112	64524	7.68	ng	0.00
5) Phenol-d6	6.85	99	79498	7.73	ng	0.00
8) Nitrobenzene-d5	8.84	82	30858	3.78	ng	0.00
14) 2,4,6-Tribromophenol	15.81	330	13421	5.39	ng	0.00
15) 2-Fluorobiphenyl	12.94	172	112425	4.14	ng	0.00
29) Terphenyl-d14	19.71	244	94546	4.34	ng	-0.02

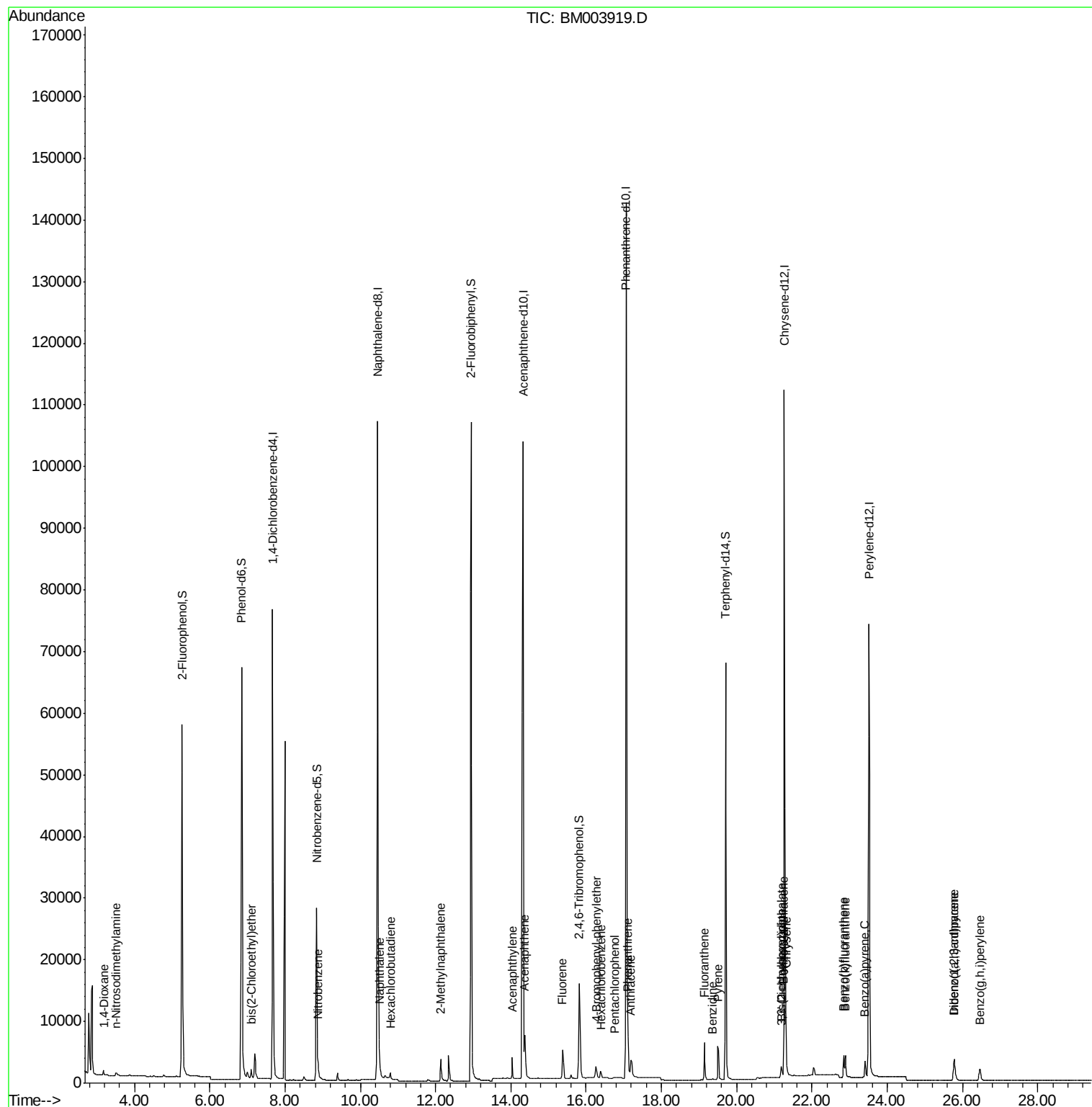
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.18	88	778	0.16	ng	86
3) n-Nitrosodimethylamine	3.51	42	562	0.13	ng	# 95
6) bis(2-Chloroethyl)ether	7.11	93	1422	0.15	ng	98
9) Nitrobenzene	8.88	77	1427	0.16	ng	# 96
10) Naphthalene	10.51	128	6039	0.17	ng	# 97
11) Hexachlorobutadiene	10.80	225	900	0.16	ng	98
12) 2-Methylnaphthalene	12.14	142	3844	0.16	ng	98
16) Acenaphthylene	14.04	152	4888	0.14	ng	98
17) Acenaphthene	14.37	154	4160	0.17	ng	99
18) Fluorene	15.37	166	4332	0.15	ng	96
20) 4-Bromophenyl-phenylether	16.27	248	1178	0.18	ng	# 61
21) Hexachlorobenzene	16.40	284	1165	0.17	ng	# 48
22) Pentachlorophenol	16.76	266	113	0.19	ng	# 81
23) Phenanthrene	17.11	178	7439	0.12	ng	96
24) Anthracene	17.19	178	6209m	0.15	ng	
25) Fluoranthene	19.14	202	7604	0.16	ng	99
27) Benzidine	19.36	184	624	0.18	ng	# 44
28) Pyrene	19.50	202	7839	0.16	ng	99
30) Benzo(a)anthracene	21.25	228	6424m	0.17	ng	
31) 3,3'-Dichlorobenzidine	21.21	252	1163	0.33	ng	# 93
32) Chrysene	21.31	228	7609m	0.19	ng	
33) Bis(2-ethylhexyl)phthalate	21.19	149	2418	0.45	ng	# 98
34) Indeno(1,2,3-cd)pyrene	25.78	276	4645	0.16	ng	100
36) Benzo(b)fluoranthene	22.85	252	5910	0.19	ng	# 89
37) Benzo(k)fluoranthene	22.89	252	4736	0.16	ng	# 89
38) Benzo(a)pyrene	23.41	252	4176	0.16	ng	# 85
39) Dibenzo(a,h)anthracene	25.79	278	3692	0.17	ng	# 88
40) Benzo(g,h,i)perylene	26.47	276	4253	0.18	ng	92

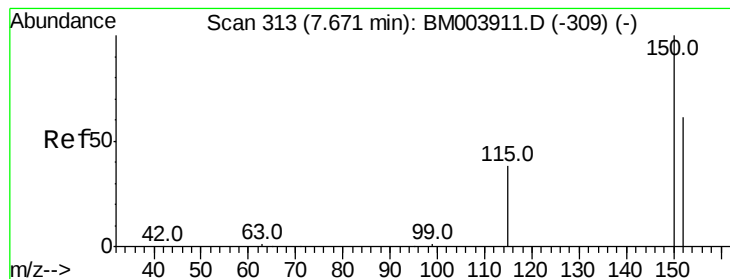
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM003919.D

Acq: 31 Dec 2015 18:04

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL2016-02

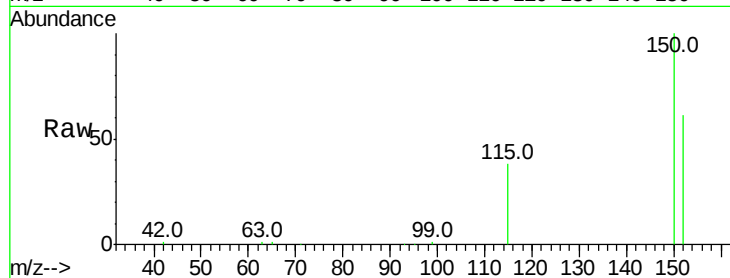
Tot Ion:152 Resp: 41037

Ion Ratio Lower Upper

152 100

150 163.6 122.9 184.3

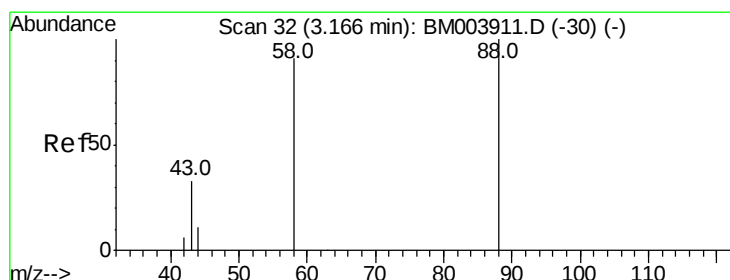
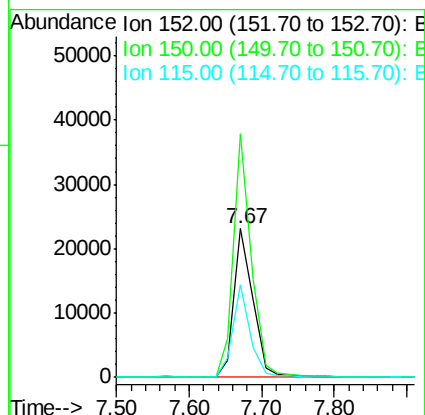
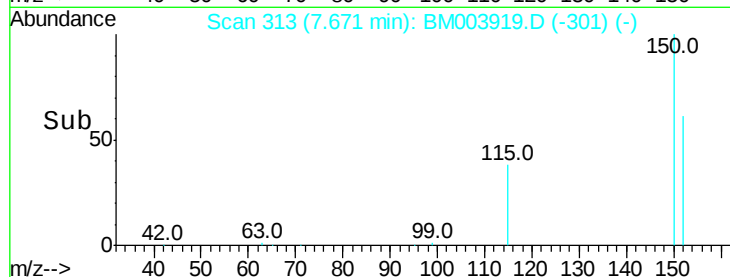
115 62.2 44.4 66.6



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: 0.16 ng

RT: 3.18 min Scan# 33

Delta R.T. 0.02 min

Lab File: BM003919.D

Acq: 31 Dec 2015 18:04

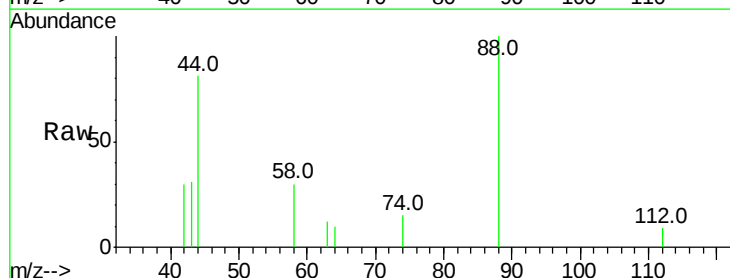
Tgt Ion: 88 Resp: 778

Ion Ratio Lower Upper

88 100

58 55.0 53.8 80.6

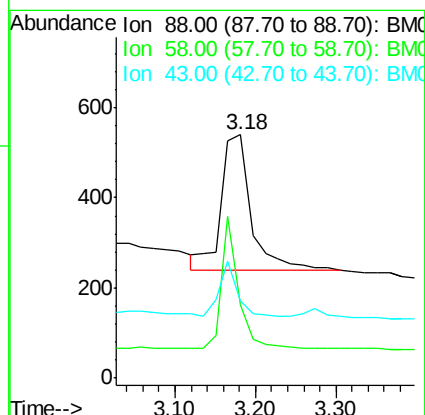
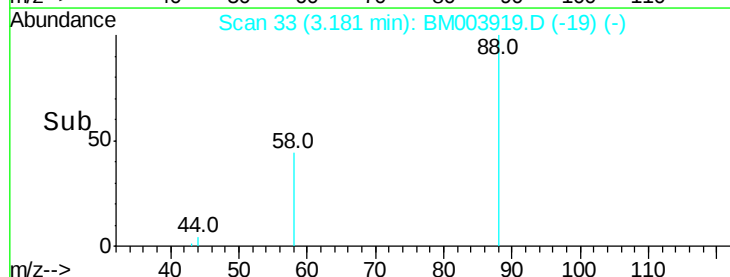
43 23.9 23.8 35.6

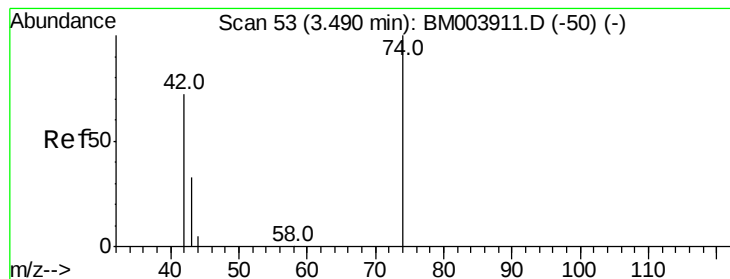


Abundance Ion 88.00 (87.70 to 88.70): BM0

Ion 58.00 (57.70 to 58.70): BM0

Ion 43.00 (42.70 to 43.70): BM0





#3

n-Nitrosodimethylamine

Concen: 0.13 ng

RT: 3.51 min Scan# 54

Delta R.T. 0.02 min

Lab File: BM003919.D

Acq: 31 Dec 2015 18:04

Instrument :

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LOQ-SOIL2016-02

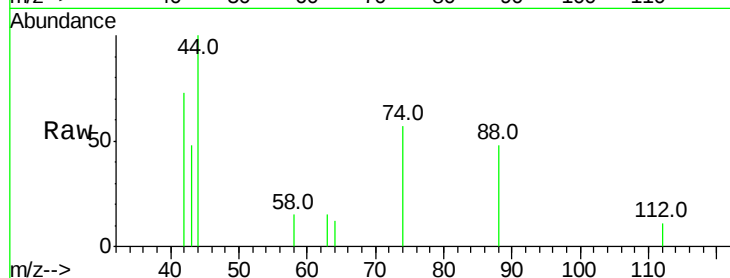
Tot Ion: 42 Resp: 562

Ion Ratio Lower Upper

42 100

74 114.6 95.0 142.4

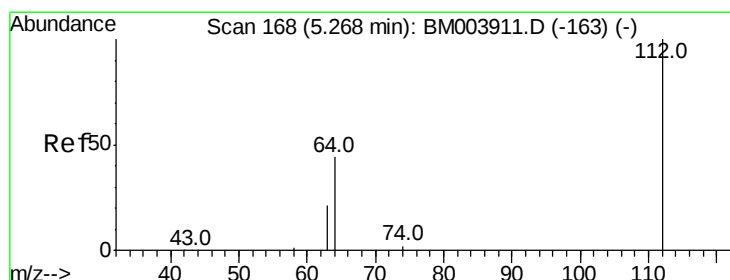
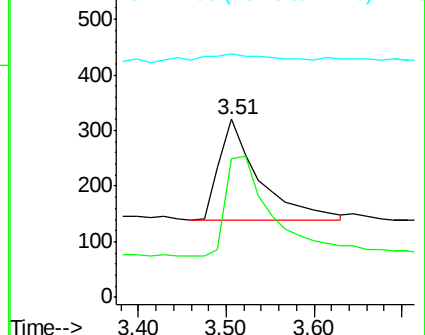
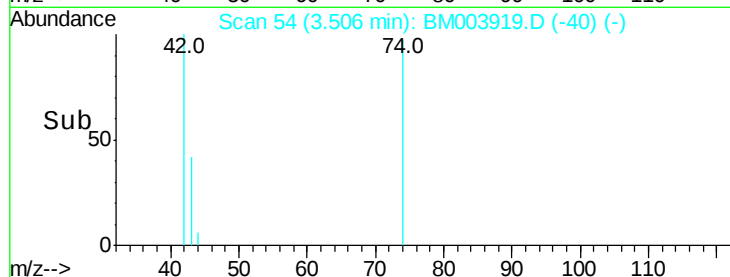
44 16.4 5.1 7.7#



Abundance Ion 42.00 (41.70 to 42.70): BM003919.D (-50) (-)

Ion 74.00 (73.70 to 74.70): BM003919.D (-50) (-)

Ion 44.00 (43.70 to 44.70): BM003919.D (-50) (-)



#4

2-Fluorophenol

Concen: 7.68 ng

RT: 5.27 min Scan# 168

Delta R.T. 0.00 min

Lab File: BM003919.D

Acq: 31 Dec 2015 18:04

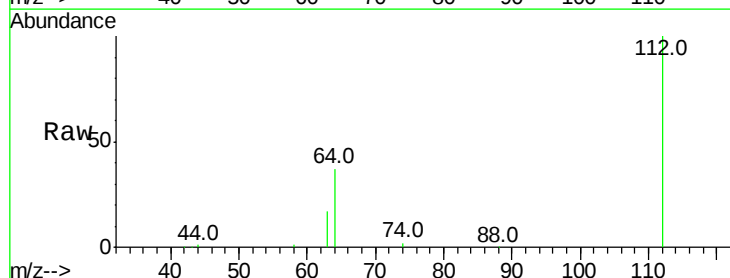
Tgt Ion: 112 Resp: 64524

Ion Ratio Lower Upper

112 100

64 52.4 41.8 62.8

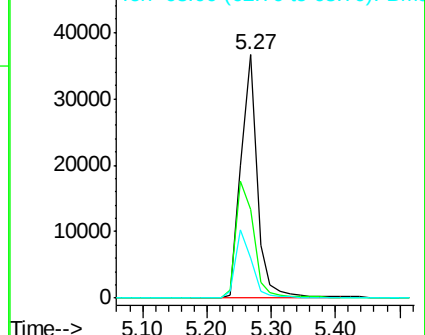
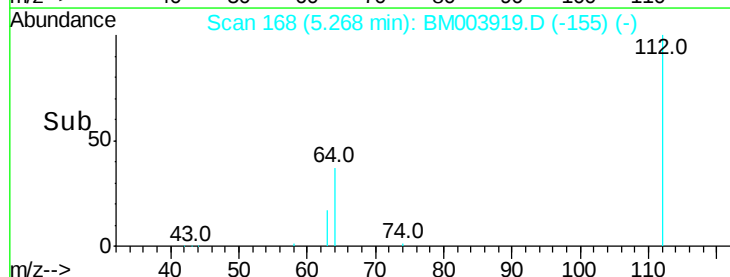
63 27.7 22.1 33.1

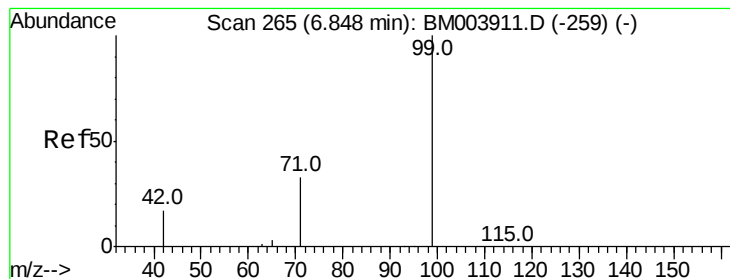


Abundance Ion 112.00 (111.70 to 112.70): BM003919.D (-163) (-)

Ion 64.00 (63.70 to 64.70): BM003919.D (-163) (-)

Ion 63.00 (62.70 to 63.70): BM003919.D (-163) (-)





#5

Phenol-d6

Concen: 7.73 ng

RT: 6.85 min Scan# 265

Delta R.T. 0.00 min

Lab File: BM003919.D

Acq: 31 Dec 2015 18:04

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL2016-02

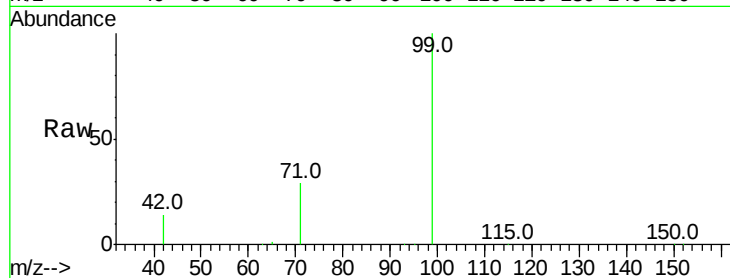
Tot Ion: 99 Resp: 79498

Ion Ratio Lower Upper

99 100

42 19.1 16.2 24.2

71 30.3 24.4 36.6



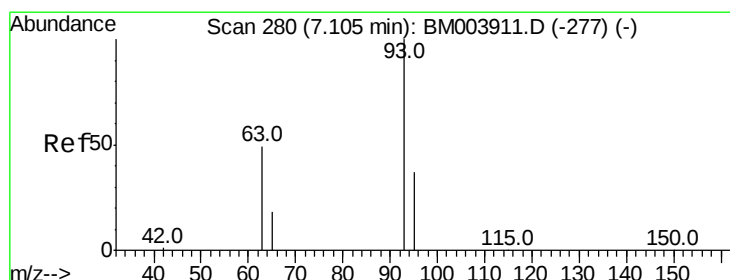
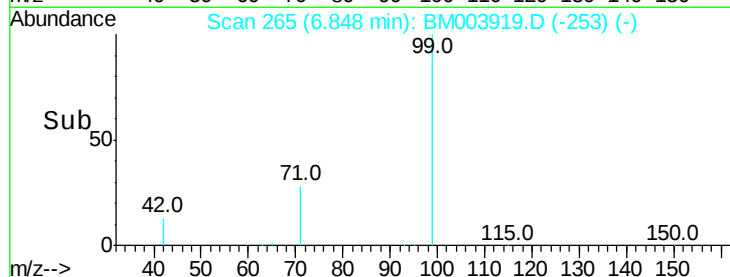
Abundance Ion 99.00 (98.70 to 99.70): BM003919.D (-259) (-)

Ion 42.00 (41.70 to 42.70): BM003919.D (-259) (-)

Ion 71.00 (70.70 to 71.70): BM003919.D (-259) (-)

6.85

Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.15 ng

RT: 7.11 min Scan# 280

Delta R.T. 0.00 min

Lab File: BM003919.D

Acq: 31 Dec 2015 18:04

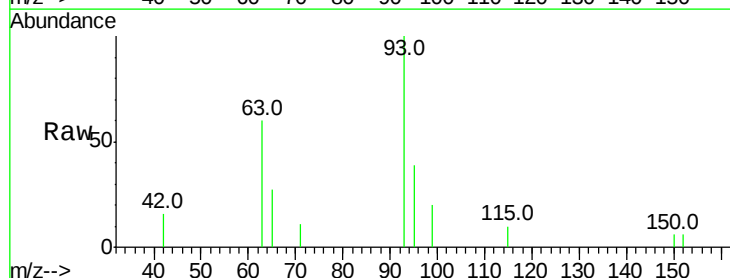
Tgt Ion: 93 Resp: 1422

Ion Ratio Lower Upper

93 100

63 74.2 58.3 87.5

95 34.5 25.8 38.8



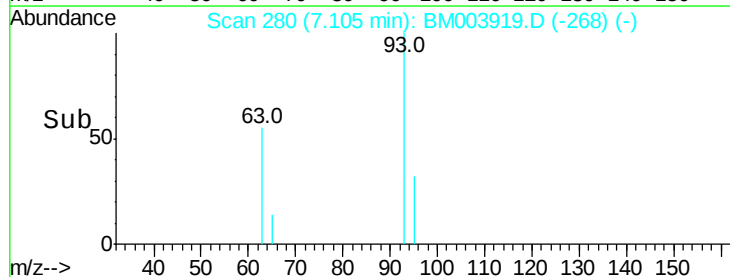
Abundance Ion 93.00 (92.70 to 93.70): BM003919.D (-277) (-)

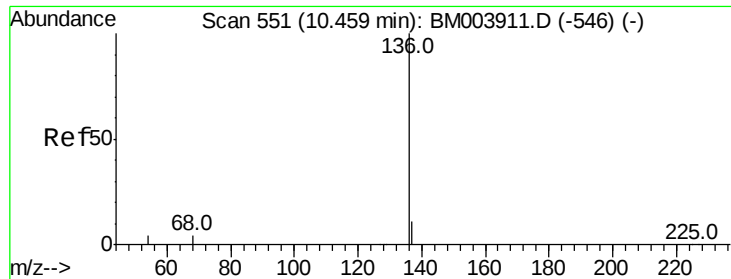
Ion 63.00 (62.70 to 63.70): BM003919.D (-277) (-)

Ion 95.00 (94.70 to 95.70): BM003919.D (-277) (-)

7.11

Time-->





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.46 min Scan# 551

Delta R.T. 0.00 min

Lab File: BM003919.D

Acq: 31 Dec 2015 18:04

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL2016-02

Tot Ion:136 Resp: 165888

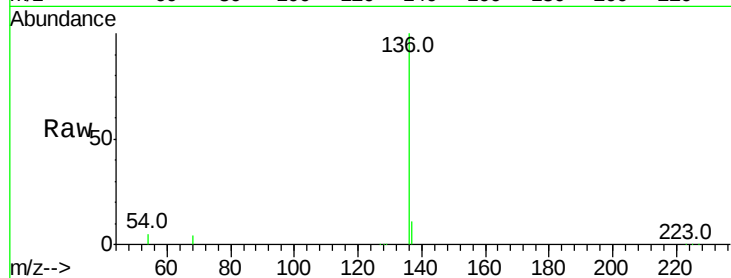
Ion Ratio Lower Upper

136 100

137 11.1 9.2 13.8

54 4.8 2.8 4.2#

68 3.9 2.5 3.7#

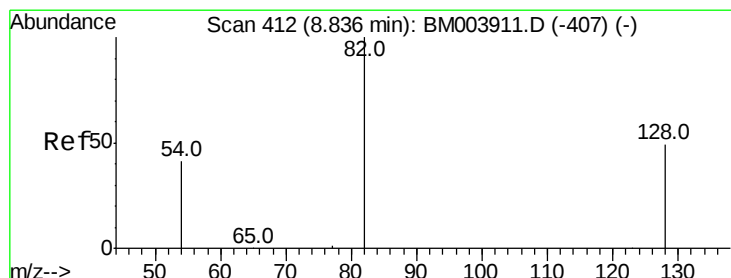
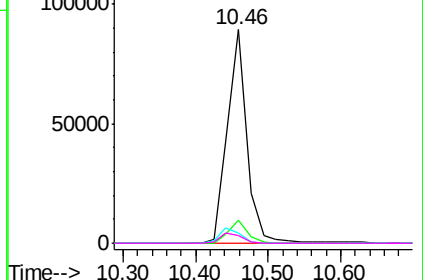
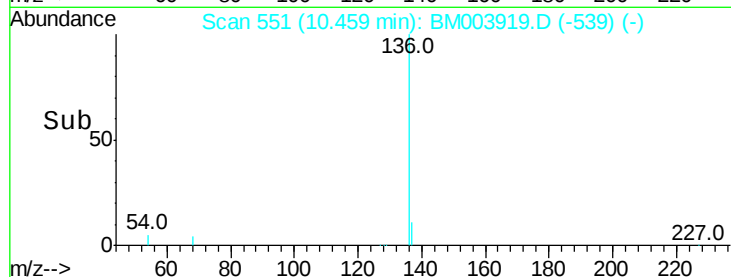


Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.78 ng

RT: 8.84 min Scan# 412

Delta R.T. 0.00 min

Lab File: BM003919.D

Acq: 31 Dec 2015 18:04

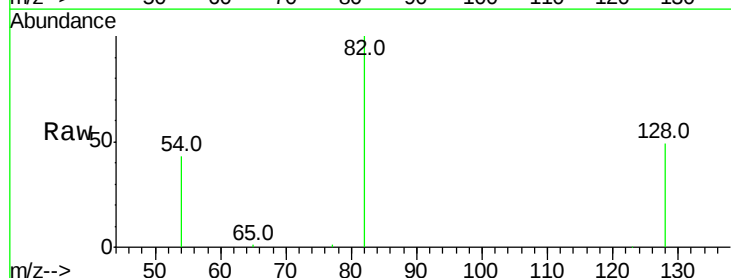
Tgt Ion: 82 Resp: 30858

Ion Ratio Lower Upper

82 100

128 48.9 39.1 58.7

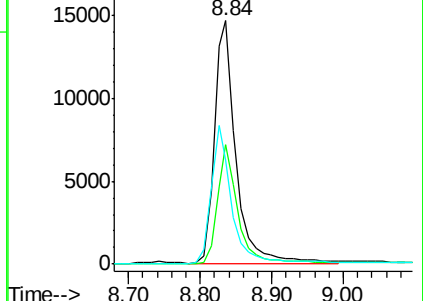
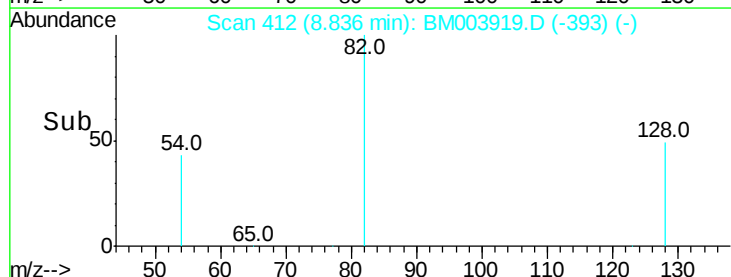
54 42.9 34.8 52.2

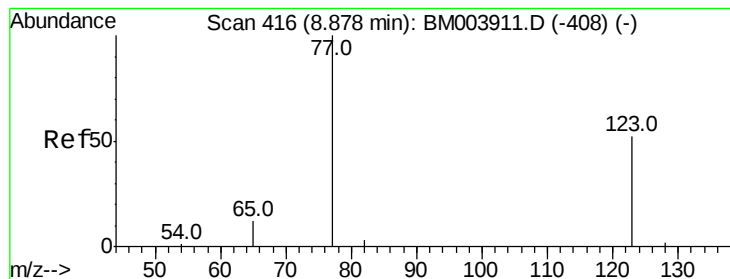


Abundance Ion 82.00 (81.70 to 82.70): BM

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM





#9

Nitrobenzene

Concen: 0.16 ng

RT: 8.88 min Scan# 416

Delta R.T. 0.00 min

Lab File: BM003919.D

Acq: 31 Dec 2015 18:04

Instrument :

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ClientSampleId :

LOQ-SOIL2016-02

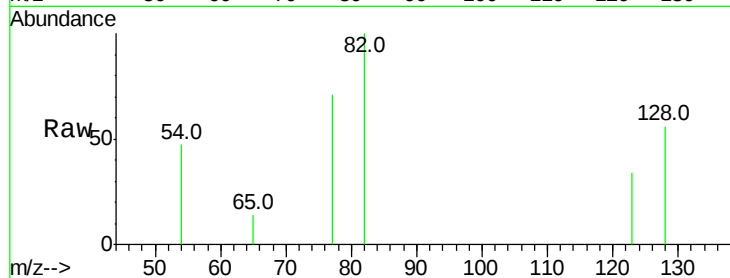
Tot Ion: 77 Resp: 1427

Ion Ratio Lower Upper

77 100

123 45.8 38.6 57.8

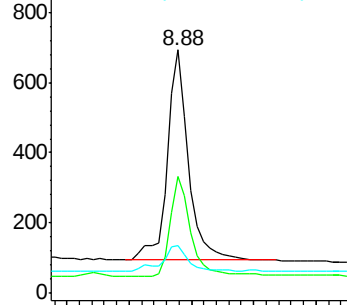
65 15.3 9.9 14.9#



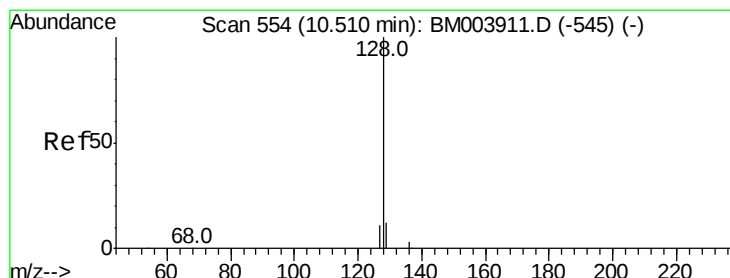
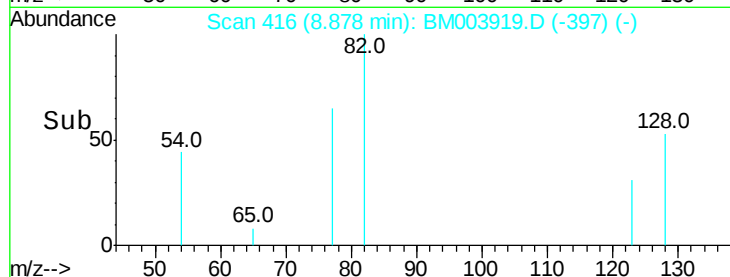
Abundance Ion 77.00 (76.70 to 77.70): BM003911.D (-408) (-)

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

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



Time--> 8.70 8.80 8.90 9.00 9.10



#10

Naphthalene

Concen: 0.17 ng

RT: 10.51 min Scan# 554

Delta R.T. 0.00 min

Lab File: BM003919.D

Acq: 31 Dec 2015 18:04

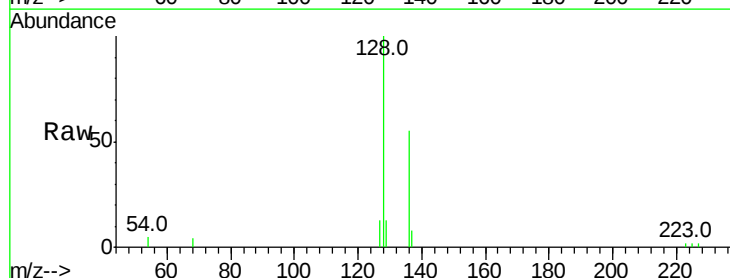
Tgt Ion: 128 Resp: 6039

Ion Ratio Lower Upper

128 100

129 13.1 8.5 12.7#

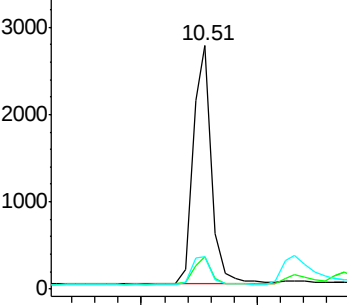
127 13.2 11.0 16.4



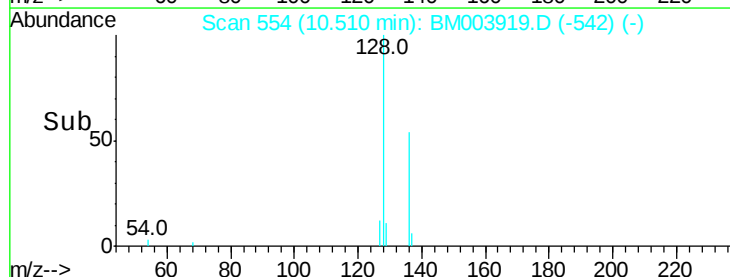
Abundance Ion 128.00 (127.70 to 128.70): BM003911.D (-545) (-)

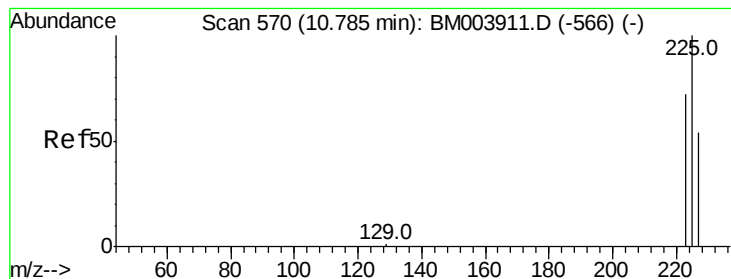
Ion 129.00 (128.70 to 129.70): BM003911.D (-545) (-)

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



Time--> 10.40 10.60





#11

Hexachlorobutadiene

Concen: 0.16 ng

RT: 10.80 min Scan# 571

Delta R.T. 0.02 min

Lab File: BM003919.D

Acq: 31 Dec 2015 18:04

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL2016-02

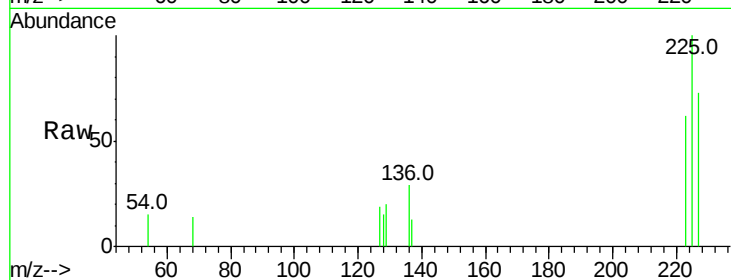
Tot Ion:225 Resp: 900

Ion Ratio Lower Upper

225 100

223 64.7 50.9 76.3

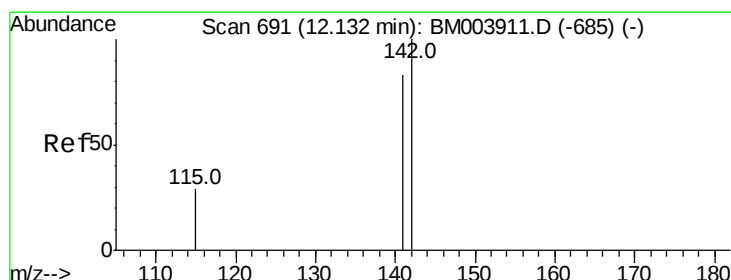
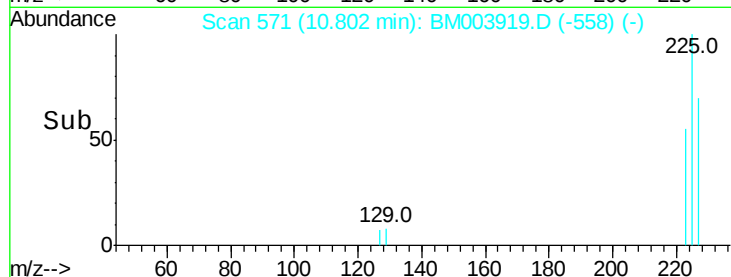
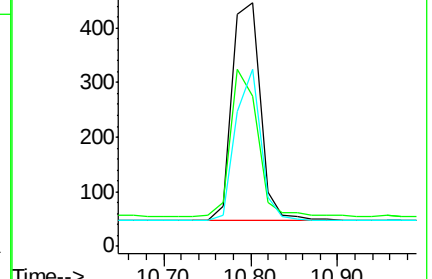
227 62.4 51.2 76.8



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: 0.16 ng

RT: 12.14 min Scan# 692

Delta R.T. 0.01 min

Lab File: BM003919.D

Acq: 31 Dec 2015 18:04

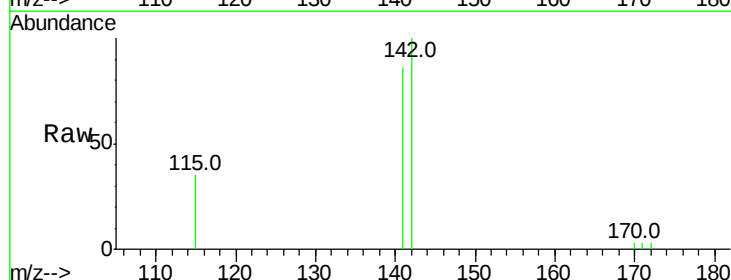
Tgt Ion:142 Resp: 3844

Ion Ratio Lower Upper

142 100

141 85.6 67.8 101.8

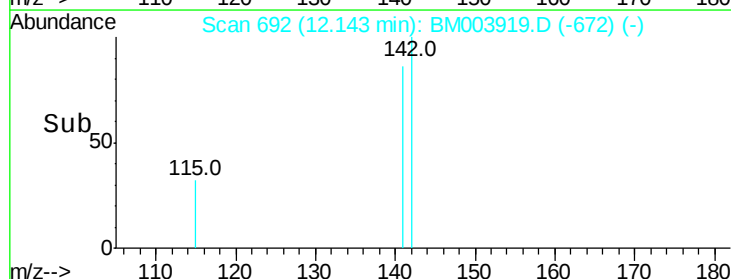
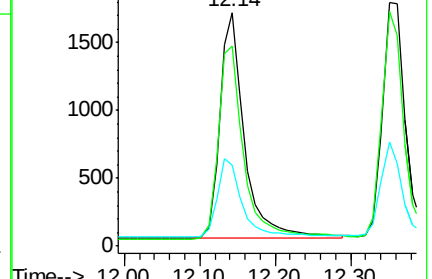
115 34.7 25.3 37.9

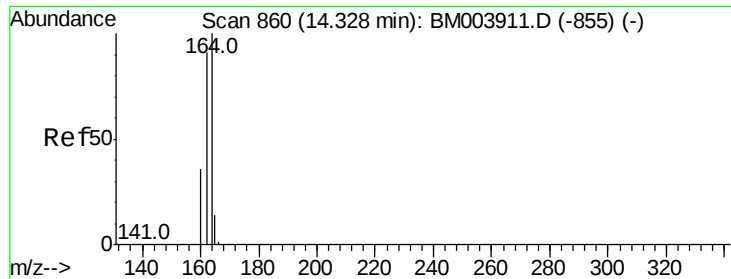


Abundance Ion 142.00 (141.70 to 142.70): E

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: 14.33 min Scan# 860

Delta R.T. 0.00 min

Lab File: BM003919.D

Acq: 31 Dec 2015 18:04

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL2016-02

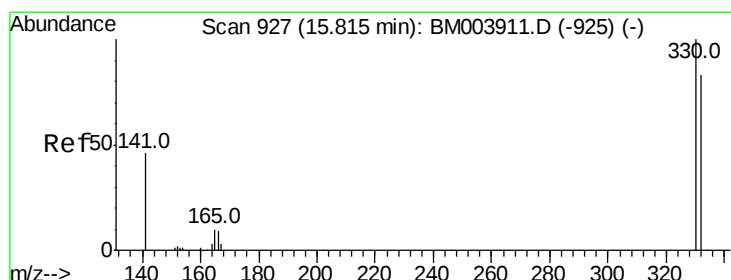
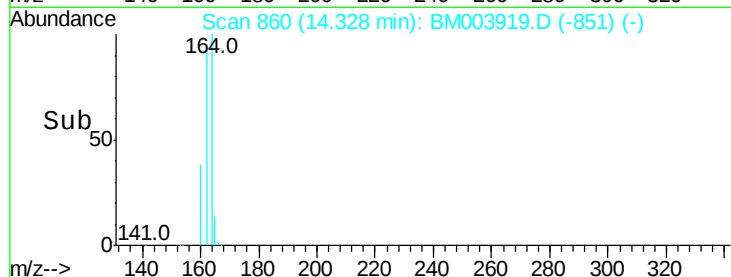
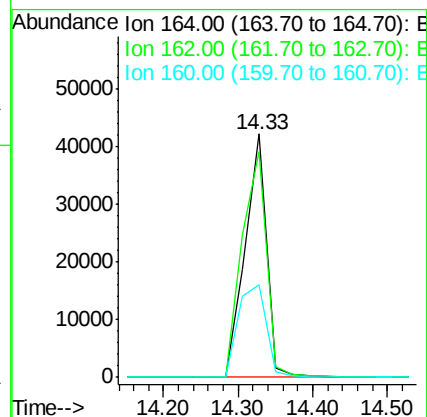
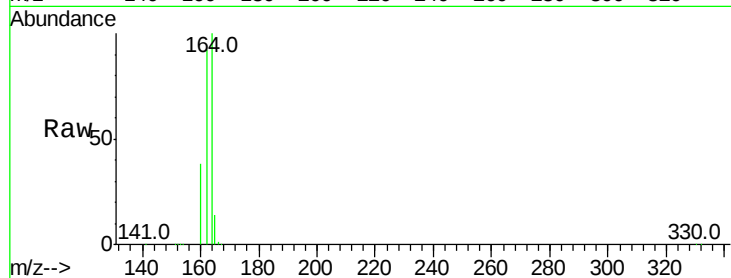
Tot Ion:164 Resp: 84146

Ion Ratio Lower Upper

164 100

162 92.5 86.0 129.0

160 38.1 40.3 60.5#



#14

2,4,6-Tribromophenol

Concen: 5.39 ng

RT: 15.81 min Scan# 927

Delta R.T. 0.00 min

Lab File: BM003919.D

Acq: 31 Dec 2015 18:04

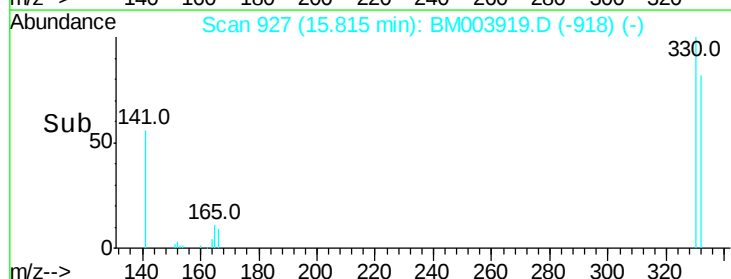
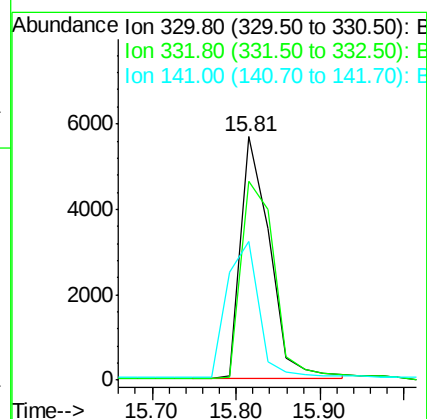
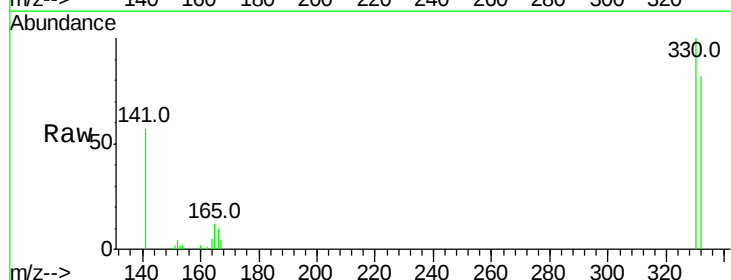
Tgt Ion:330 Resp: 13421

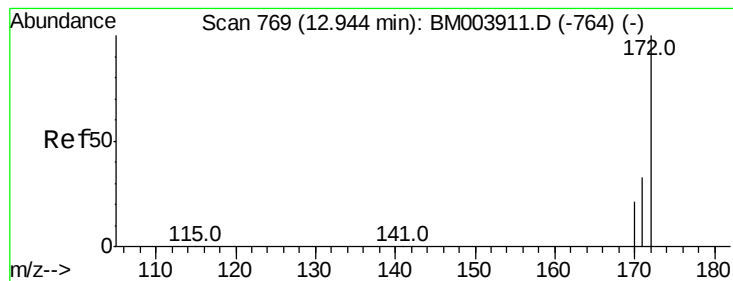
Ion Ratio Lower Upper

330 100

332 94.2 79.0 118.4

141 63.2 0.0 0.0#

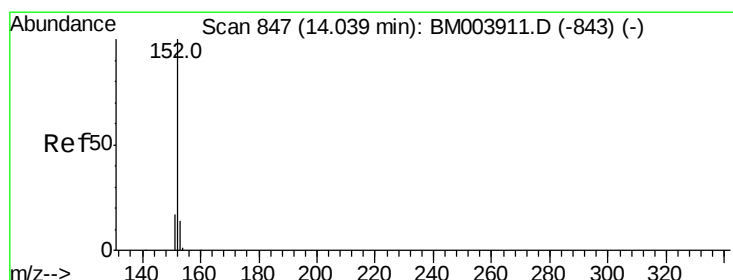
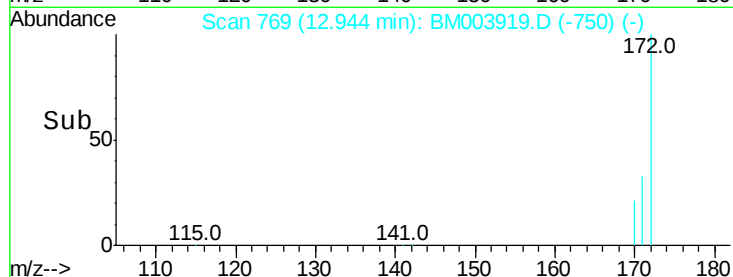
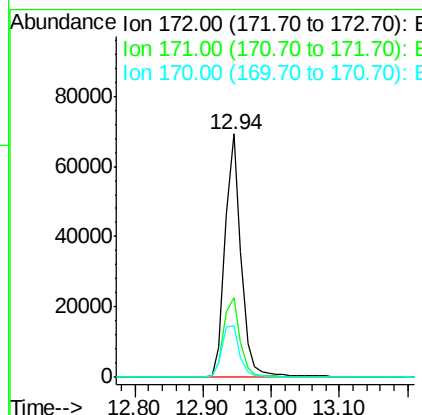
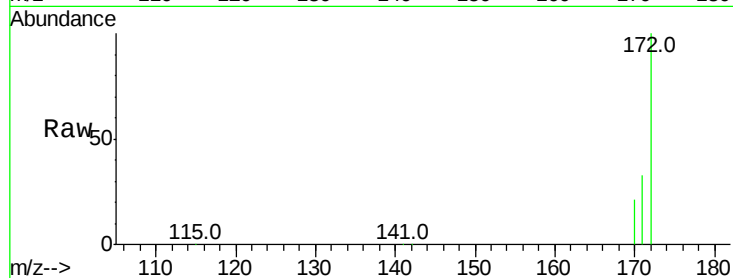




#15
2-Fluorobiphenyl
Concen: 4.14 ng
RT: 12.94 min Scan# 769
Delta R.T. 0.00 min
Lab File: BM003919.D
Acq: 31 Dec 2015 18:04

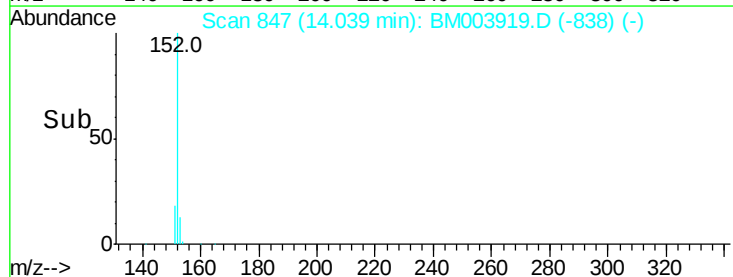
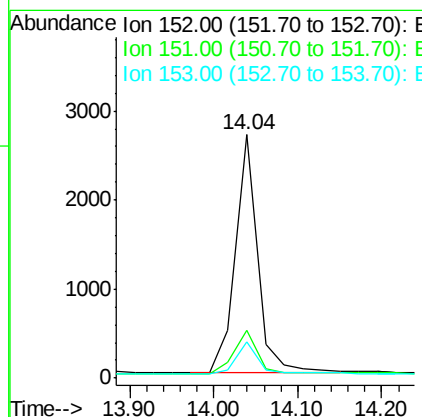
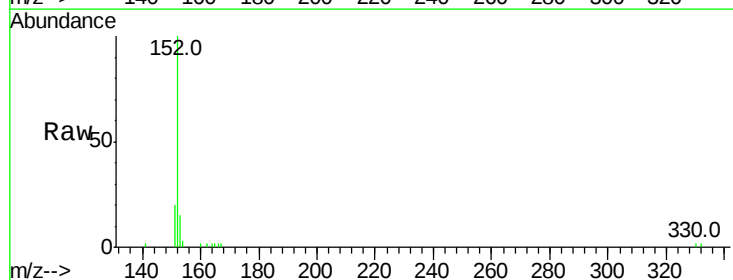
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL2016-02

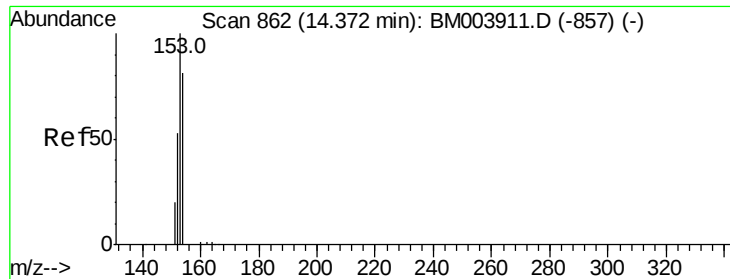
Tot Ion:172 Resp: 112425
Ion Ratio Lower Upper
172 100
171 33.0 27.0 40.6
170 21.1 17.9 26.9



#16
Acenaphthylene
Concen: 0.14 ng
RT: 14.04 min Scan# 847
Delta R.T. 0.00 min
Lab File: BM003919.D
Acq: 31 Dec 2015 18:04

Tgt Ion:152 Resp: 4888
Ion Ratio Lower Upper
152 100
151 18.8 15.8 23.8
153 13.1 10.2 15.4





#17

Acenaphthene

Concen: 0.17 ng

RT: 14.37 min Scan# 862

Delta R.T. 0.00 min

Lab File: BM003919.D

Acq: 31 Dec 2015 18:04

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL2016-02

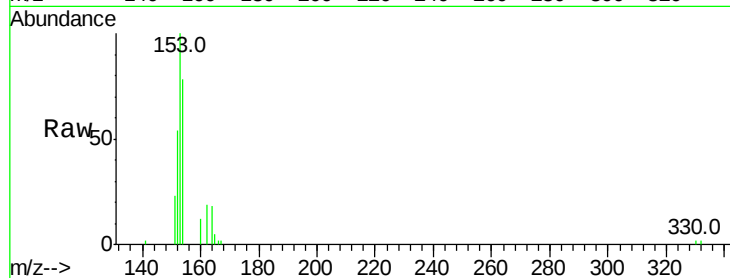
Tot Ion:154 Resp: 4160

Ion Ratio Lower Upper

154 100

153 106.0 85.4 128.2

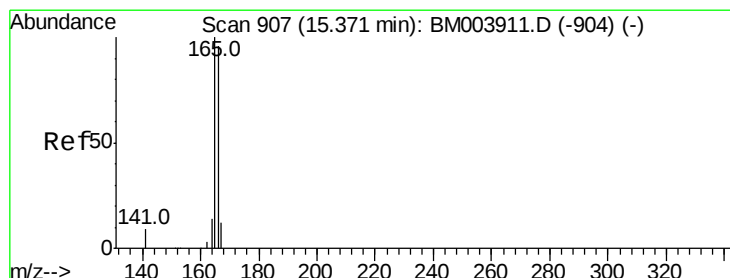
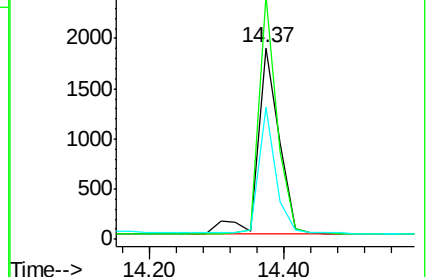
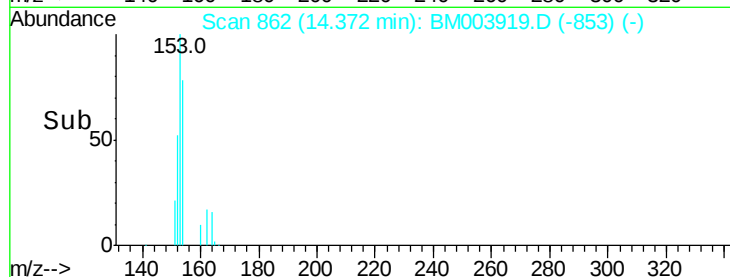
152 52.0 40.6 60.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.15 ng

RT: 15.37 min Scan# 907

Delta R.T. 0.00 min

Lab File: BM003919.D

Acq: 31 Dec 2015 18:04

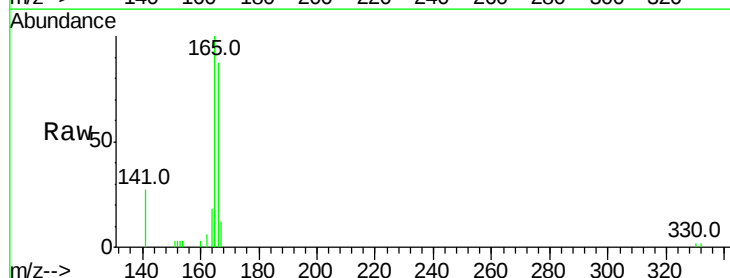
Tgt Ion:166 Resp: 4332

Ion Ratio Lower Upper

166 100

165 100.3 77.2 115.8

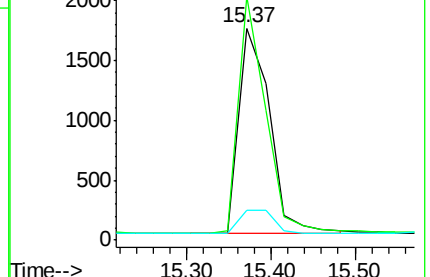
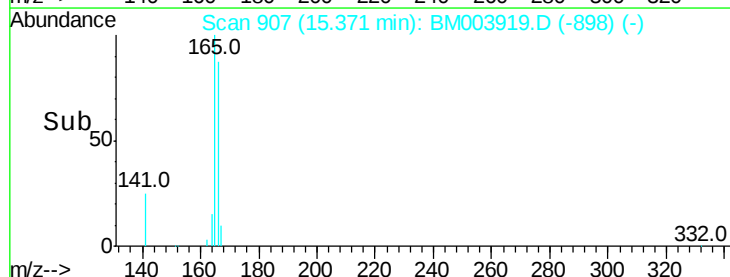
167 13.3 11.0 16.6

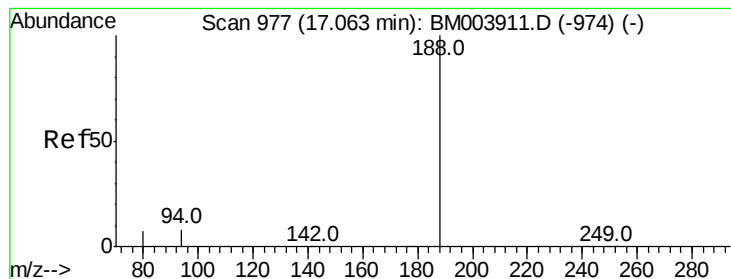


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.06 min Scan# 977

Delta R.T. 0.00 min

Lab File: BM003919.D

Acq: 31 Dec 2015 18:04

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL2016-02

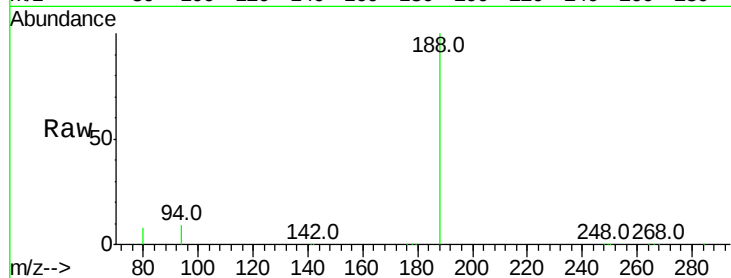
Tot Ion:188 Resp: 212294

Ion Ratio Lower Upper

188 100

94 8.6 20.3 30.5#

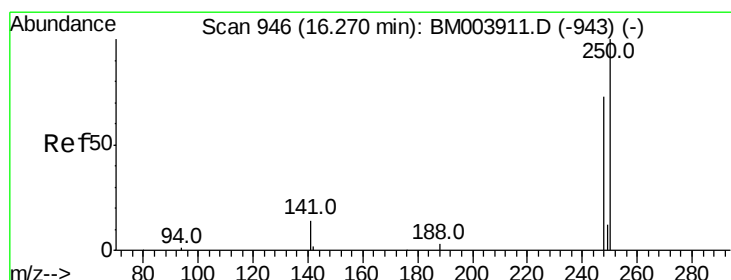
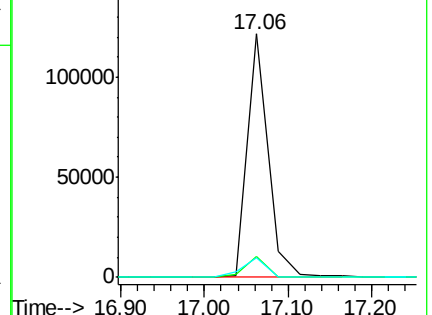
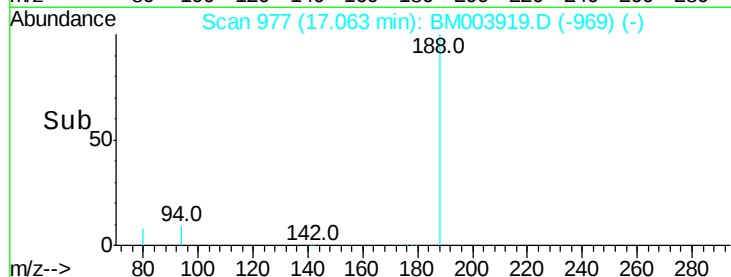
80 7.9 22.2 33.4#



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: 0.18 ng

RT: 16.27 min Scan# 946

Delta R.T. 0.00 min

Lab File: BM003919.D

Acq: 31 Dec 2015 18:04

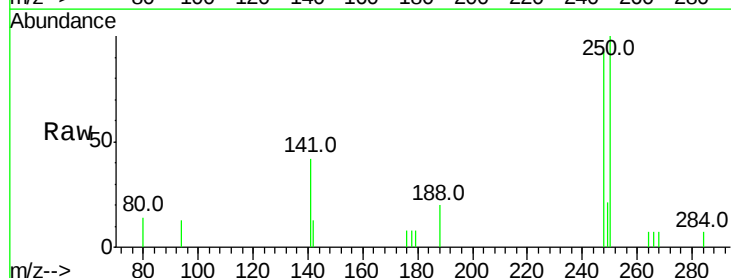
Tgt Ion:248 Resp: 1178

Ion Ratio Lower Upper

248 100

250 101.4 75.0 112.4

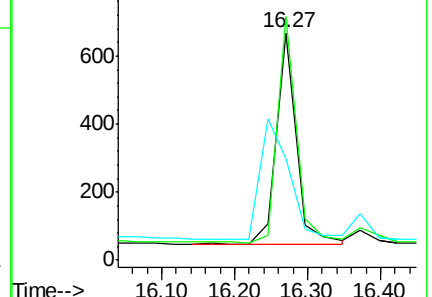
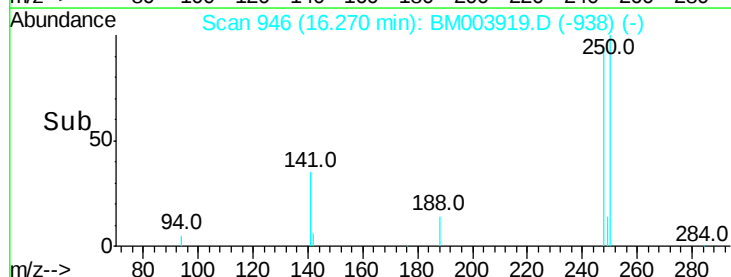
141 0.0 53.0 79.4#

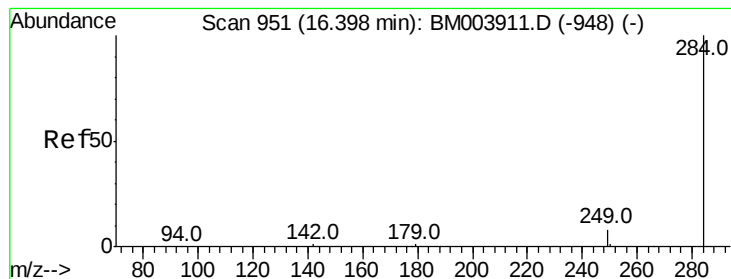


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.17 ng

RT: 16.40 min Scan# 951

Delta R.T. 0.00 min

Lab File: BM003919.D

Acq: 31 Dec 2015 18:04

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL2016-02

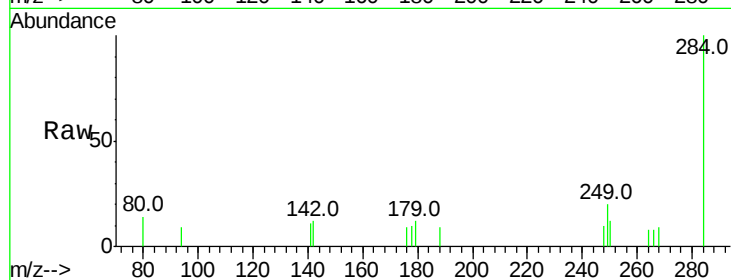
Tot Ion:284 Resp: 1165

Ion Ratio Lower Upper

284 100

142 0.0 0.0 0.0

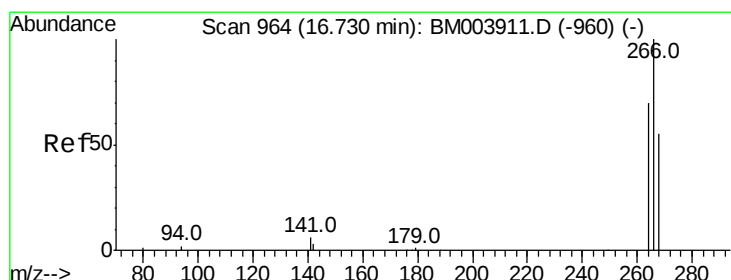
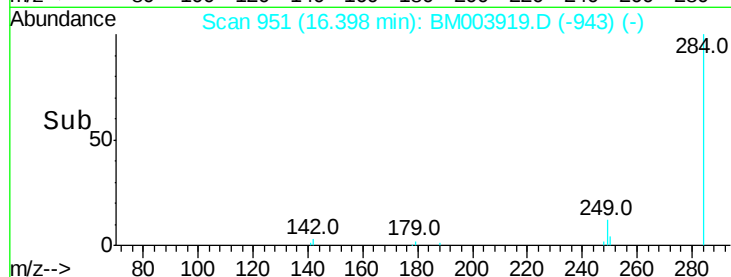
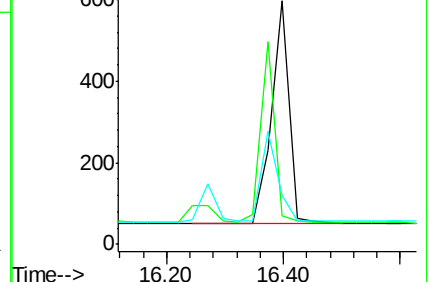
249 0.0 21.5 32.3#



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: 0.19 ng

RT: 16.76 min Scan# 965

Delta R.T. 0.03 min

Lab File: BM003919.D

Acq: 31 Dec 2015 18:04

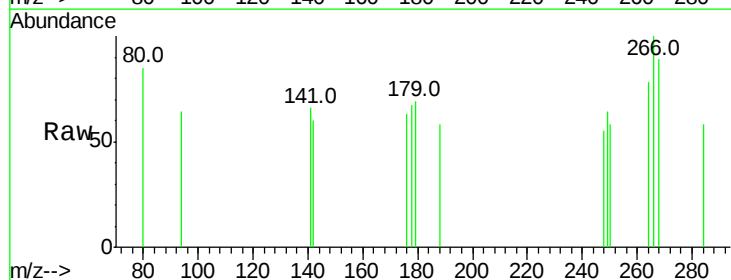
Tgt Ion:266 Resp: 113

Ion Ratio Lower Upper

266 100

268 88.6 62.7 94.1

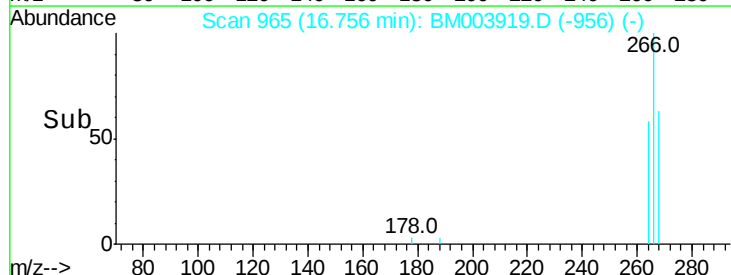
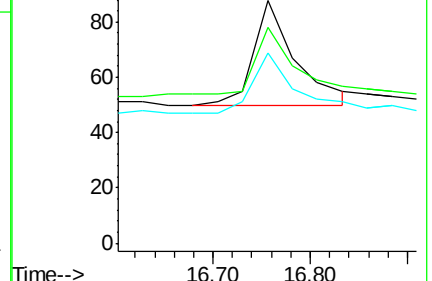
264 78.4 45.7 68.5#

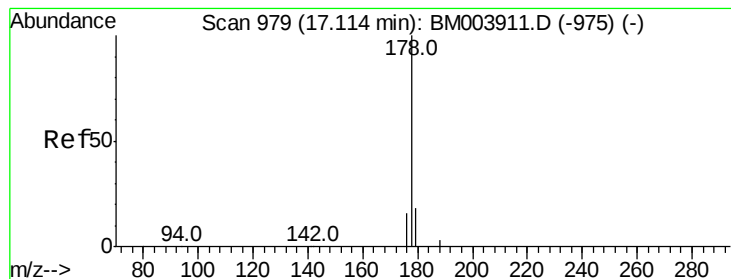


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#23

Phenanthrene

Concen: 0.12 ng

RT: 17.11 min Scan# 979

Delta R.T. 0.00 min

Lab File: BM003919.D

Acq: 31 Dec 2015 18:04

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL2016-02

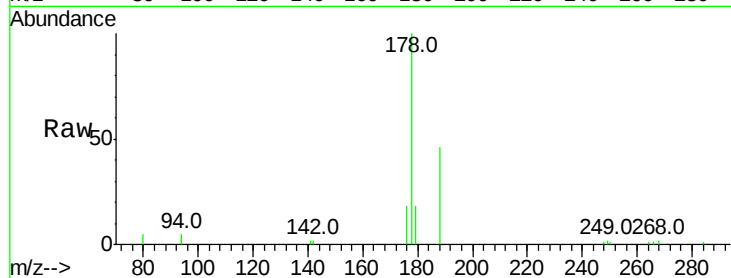
Tot Ion:178 Resp: 7439

Ion Ratio Lower Upper

178 100

176 18.4 15.4 23.0

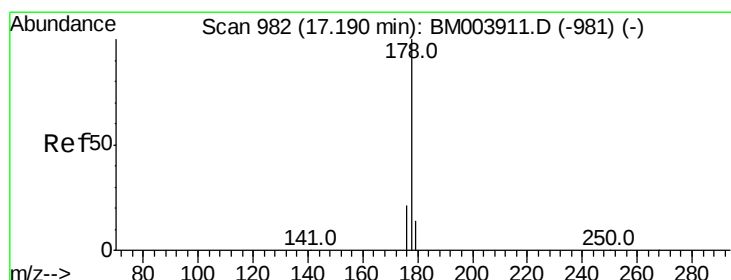
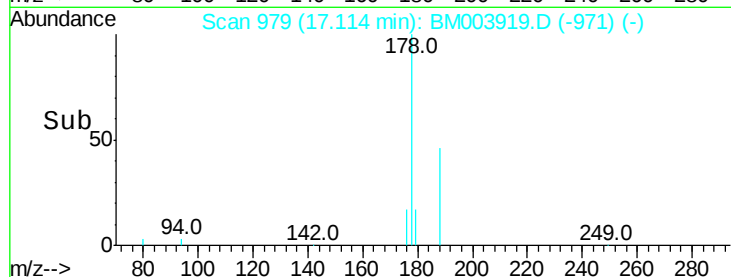
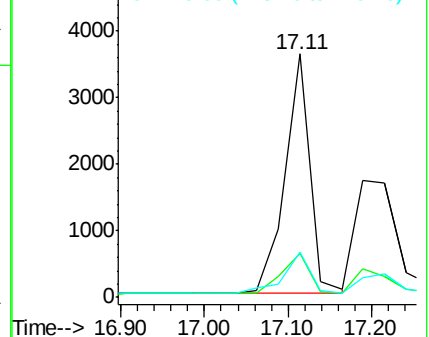
179 17.7 12.2 18.4



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: 0.15 ng m

RT: 17.19 min Scan# 982

Delta R.T. 0.00 min

Lab File: BM003919.D

Acq: 31 Dec 2015 18:04

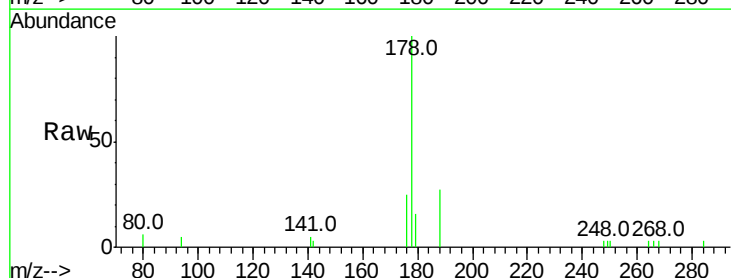
Tgt Ion:178 Resp: 6209

Ion Ratio Lower Upper

178 100

176 21.9 14.6 21.8#

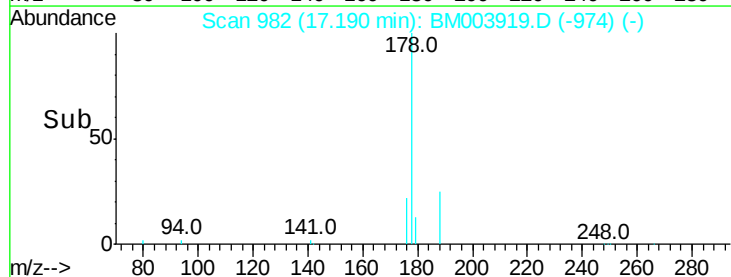
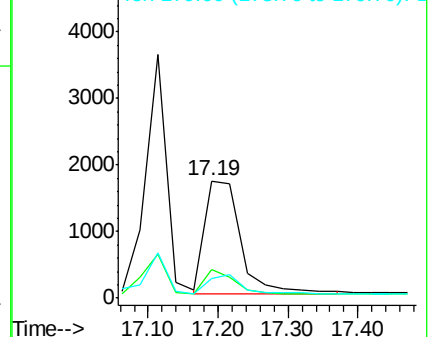
179 21.2 12.6 19.0#

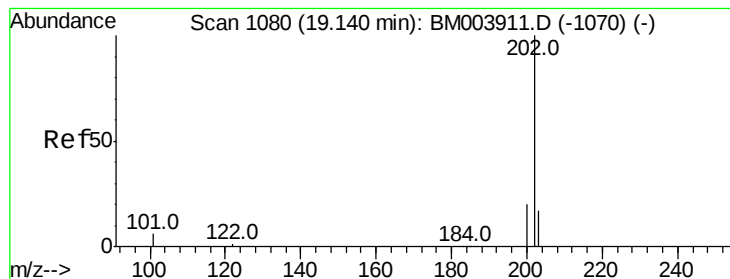


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene

Concen: 0.16 ng

RT: 19.14 min Scan# 1080

Delta R.T. 0.00 min

Lab File: BM003919.D

Acq: 31 Dec 2015 18:04

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL2016-02

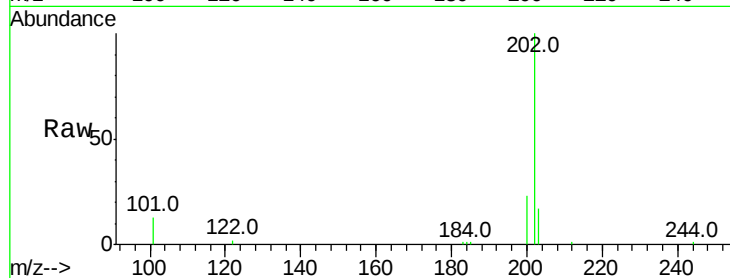
Tot Ion:202 Resp: 7604

Ion Ratio Lower Upper

202 100

101 11.8 9.7 14.5

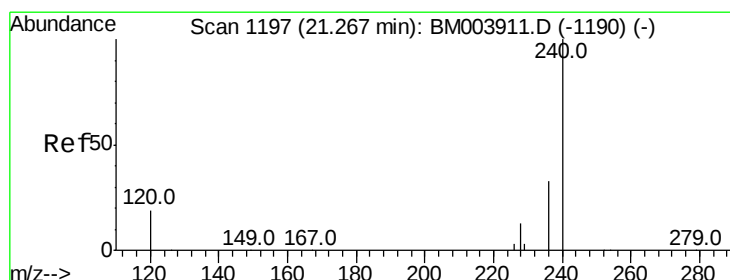
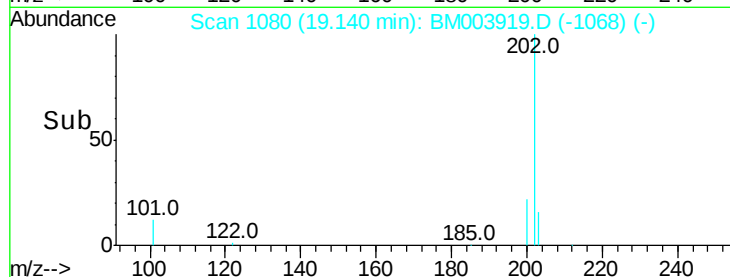
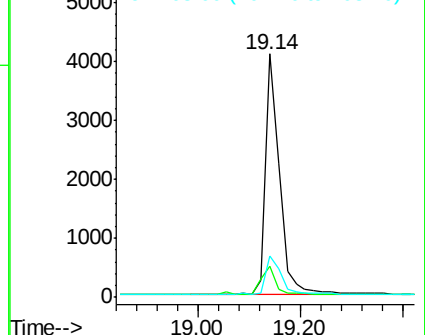
203 17.6 13.8 20.8



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: 21.27 min Scan# 1197

Delta R.T. 0.00 min

Lab File: BM003919.D

Acq: 31 Dec 2015 18:04

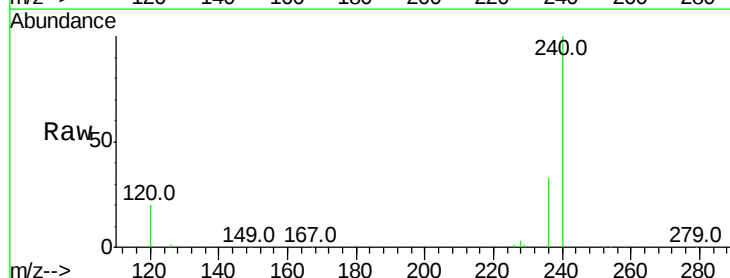
Tgt Ion:240 Resp: 134704

Ion Ratio Lower Upper

240 100

120 19.6 0.9 1.3#

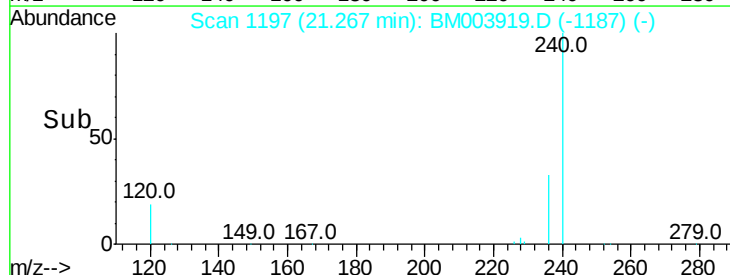
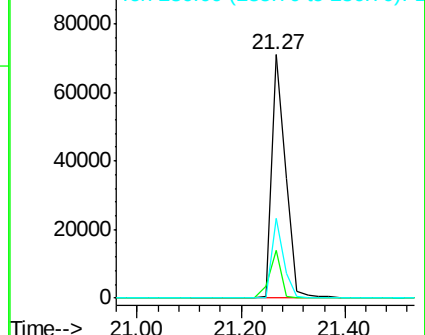
236 32.8 17.3 25.9#

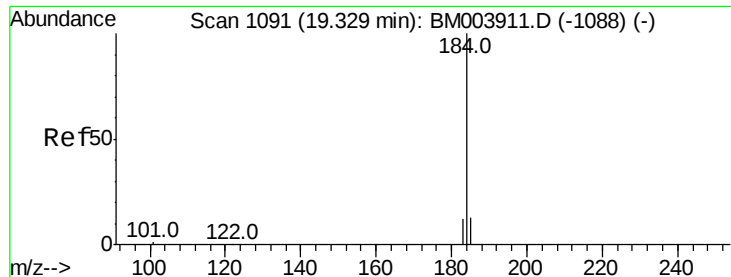


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#27

Benzidine

Concen: 0.18 ng

RT: 19.36 min Scan# 1093

Delta R.T. 0.03 min

Lab File: BM003919.D

Acq: 31 Dec 2015 18:04

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL2016-02

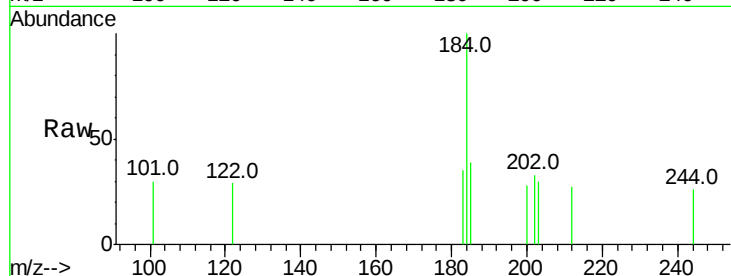
Tot Ion:184 Resp: 624

Ion Ratio Lower Upper

184 100

185 38.8 13.2 19.8#

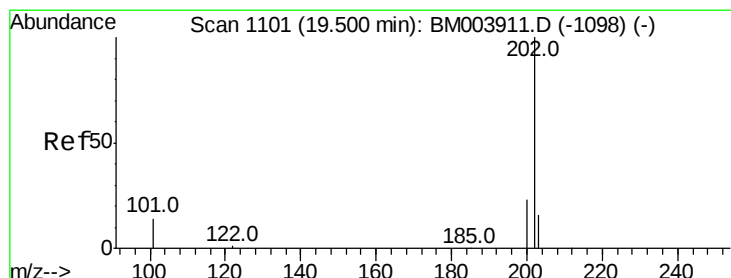
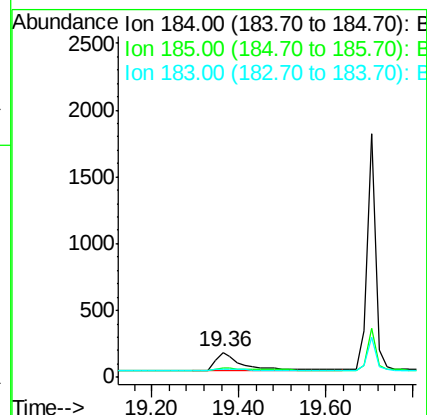
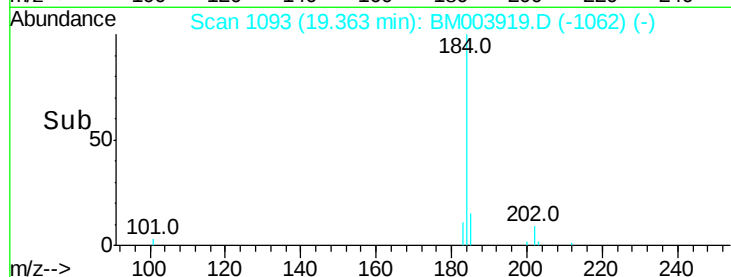
183 34.6 9.0 13.6#



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: 0.16 ng

RT: 19.50 min Scan# 1101

Delta R.T. 0.00 min

Lab File: BM003919.D

Acq: 31 Dec 2015 18:04

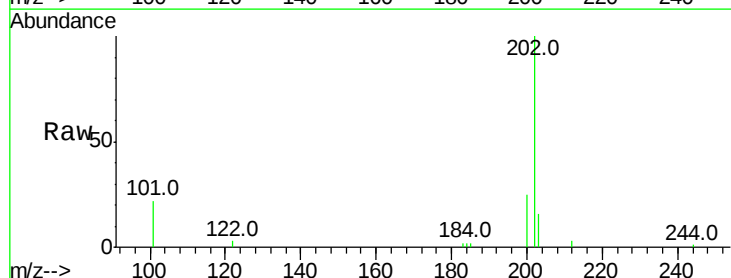
Tgt Ion:202 Resp: 7839

Ion Ratio Lower Upper

202 100

200 20.8 16.6 24.8

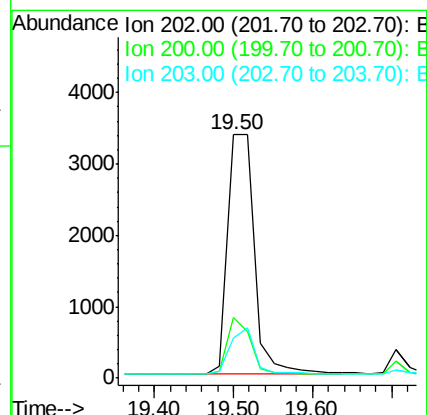
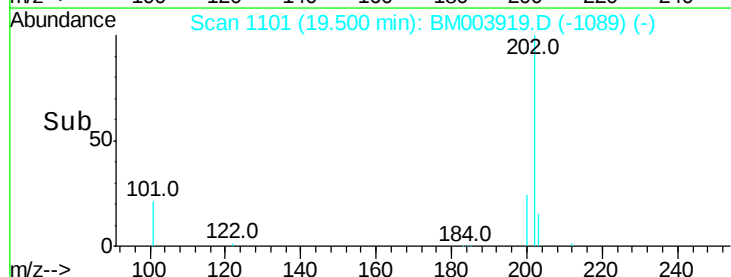
203 17.9 14.0 21.0

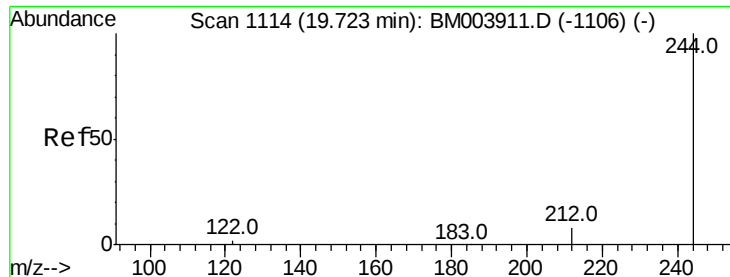


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 4.34 ng

RT: 19.71 min Scan# 1113

Delta R.T. -0.02 min

Lab File: BM003919.D

Acq: 31 Dec 2015 18:04

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL2016-02

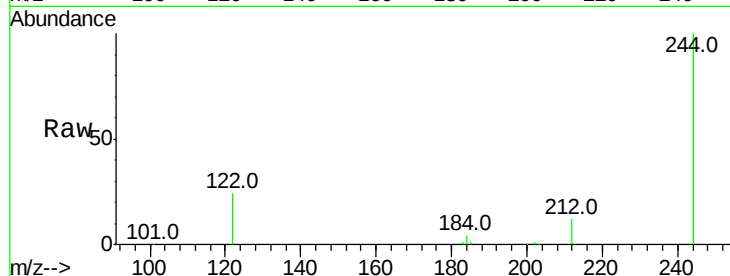
Tot Ion:244 Resp: 94546

Ion Ratio Lower Upper

244 100

212 11.7 7.0 10.6#

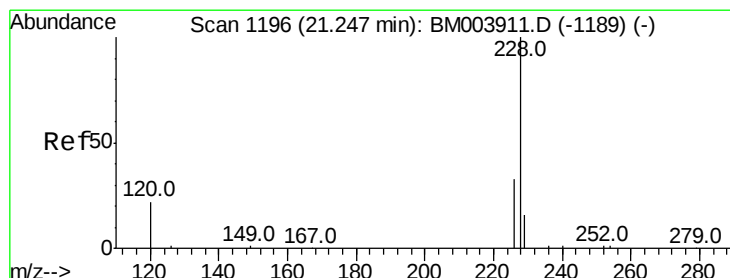
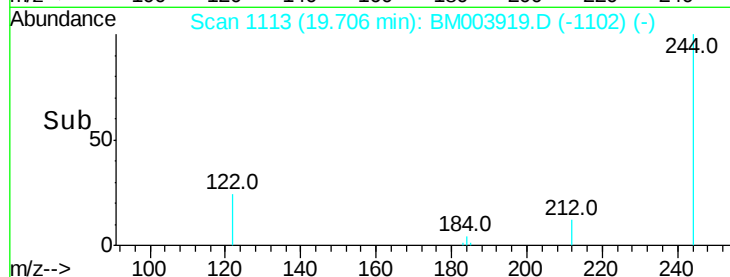
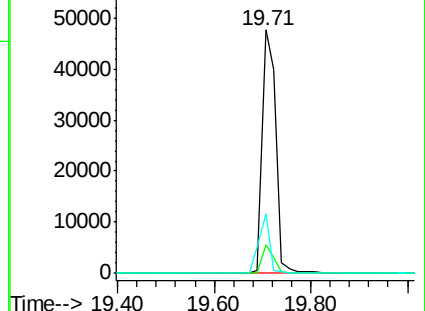
122 24.4 3.0 4.6#



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: 0.17 ng m

RT: 21.25 min Scan# 1196

Delta R.T. 0.00 min

Lab File: BM003919.D

Acq: 31 Dec 2015 18:04

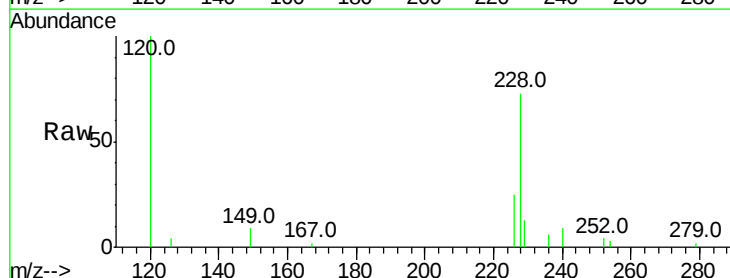
Tgt Ion:228 Resp: 6424

Ion Ratio Lower Upper

228 100

226 34.3 17.2 25.8#

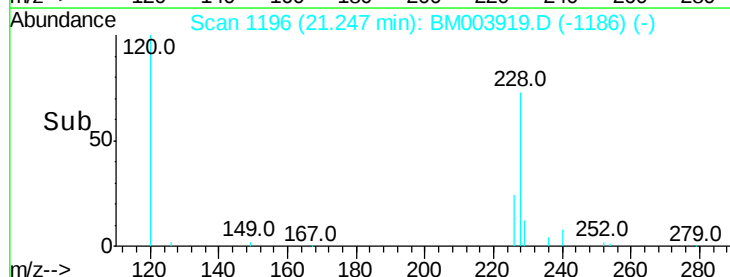
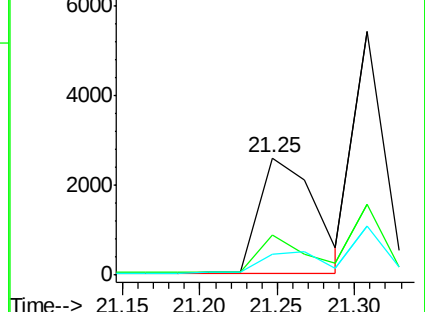
229 18.1 18.7 28.1#

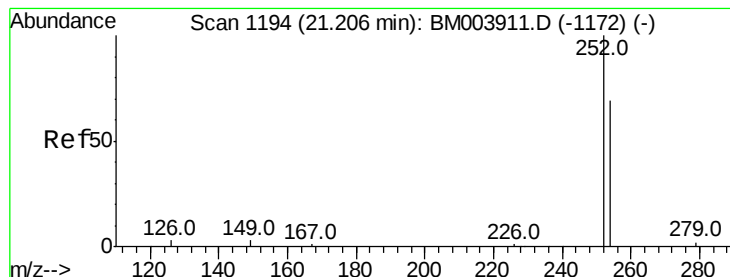


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

3,3'-Dichlorobenzidine

Concen: 0.33 ng

RT: 21.21 min Scan# 1194

Delta R.T. 0.00 min

Lab File: BM003919.D

Acq: 31 Dec 2015 18:04

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL2016-02

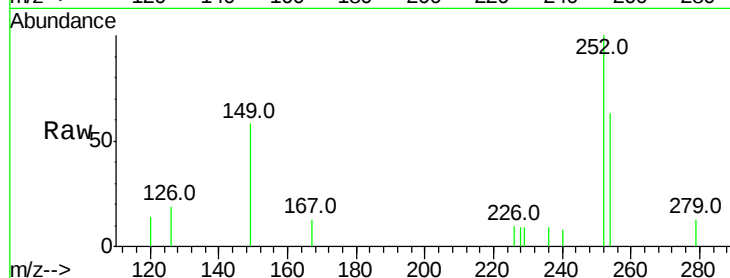
Tot Ion:252 Resp: 1163

Ion Ratio Lower Upper

252 100

254 62.5 52.6 79.0

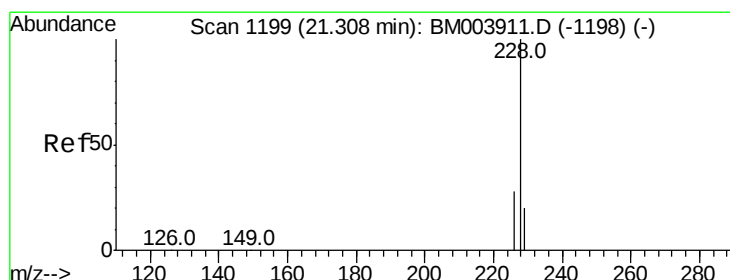
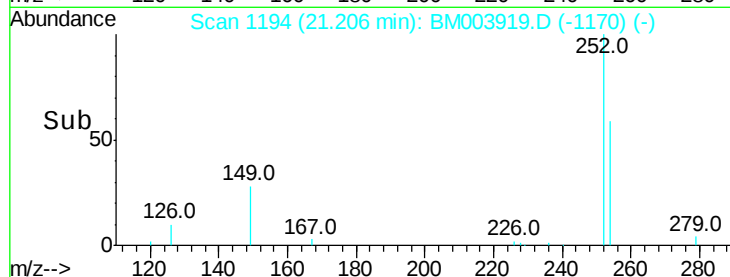
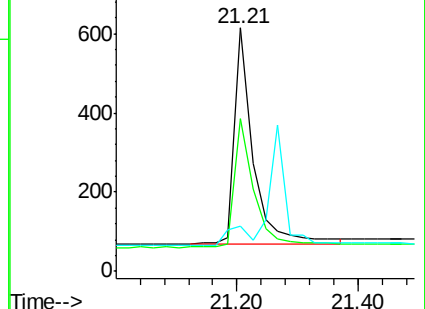
126 18.7 3.7 5.5#



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: 0.19 ng m

RT: 21.31 min Scan# 1199

Delta R.T. 0.00 min

Lab File: BM003919.D

Acq: 31 Dec 2015 18:04

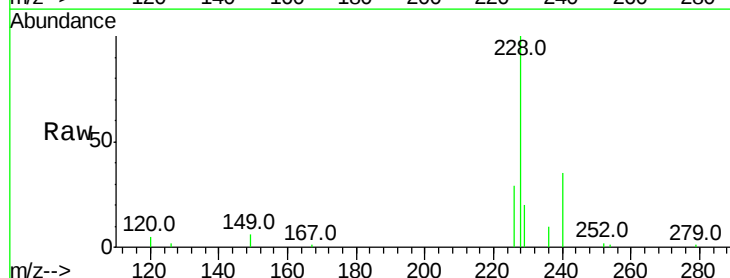
Tgt Ion:228 Resp: 7609

Ion Ratio Lower Upper

228 100

226 29.1 25.3 37.9

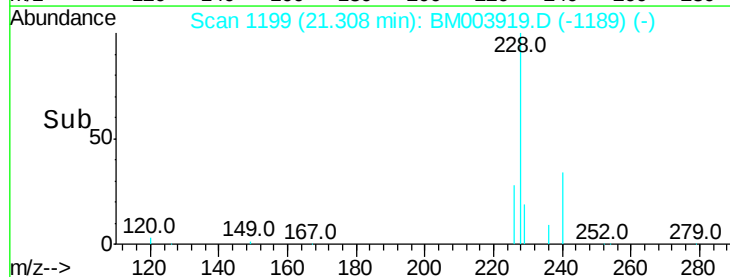
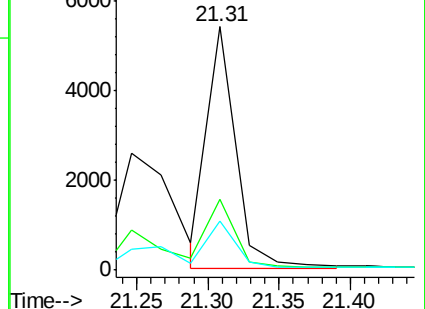
229 20.2 14.5 21.7

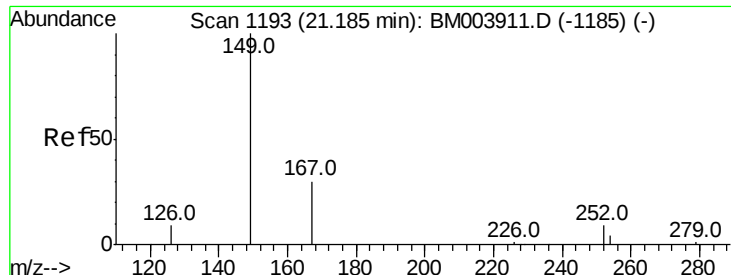


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#33

Bis(2-ethylhexyl)phthalate

Concen: 0.45 ng

RT: 21.19 min Scan# 1193

Delta R.T. 0.00 min

Lab File: BM003919.D

Acq: 31 Dec 2015 18:04

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL2016-02

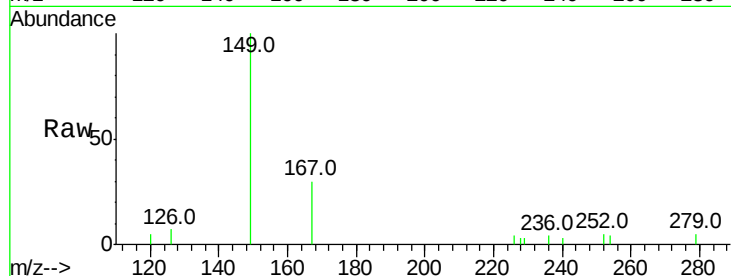
Tot Ion:149 Resp: 2418

Ion Ratio Lower Upper

149 100

167 24.1 20.1 30.1

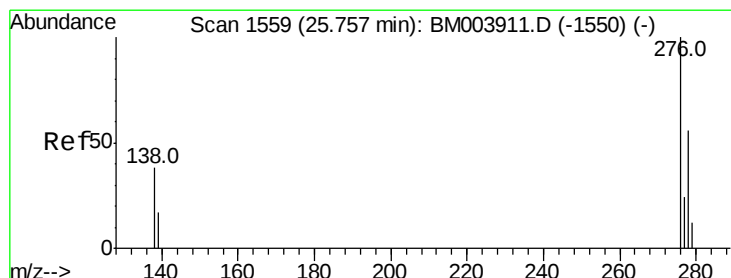
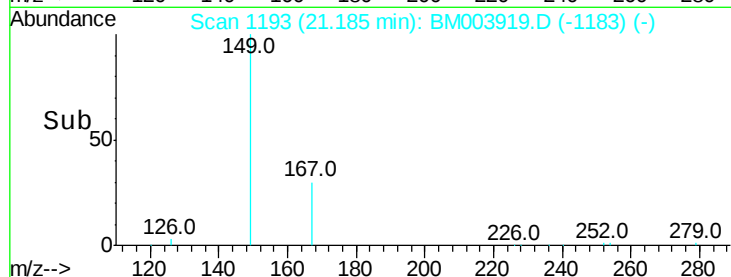
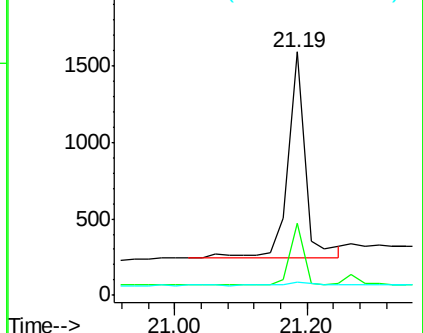
279 2.6 0.0 0.0#



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: 25.78 min Scan# 1561

Delta R.T. 0.02 min

Lab File: BM003919.D

Acq: 31 Dec 2015 18:04

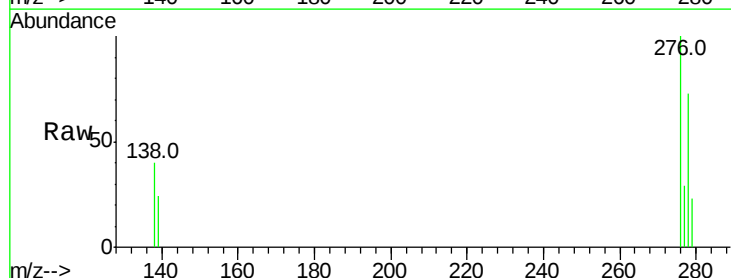
Tgt Ion:276 Resp: 4645

Ion Ratio Lower Upper

276 100

138 38.0 30.2 45.2

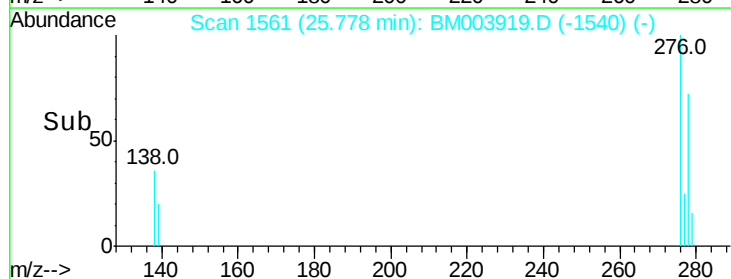
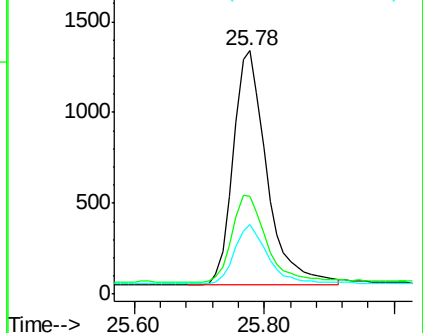
277 24.9 19.8 29.8

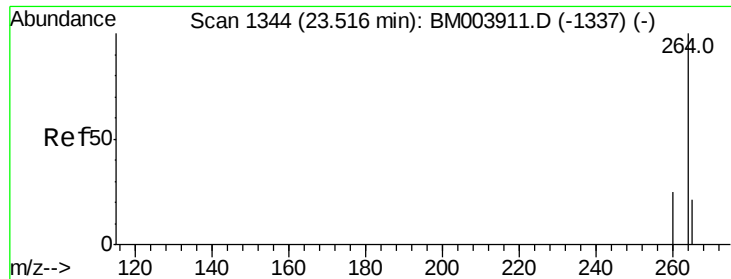


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

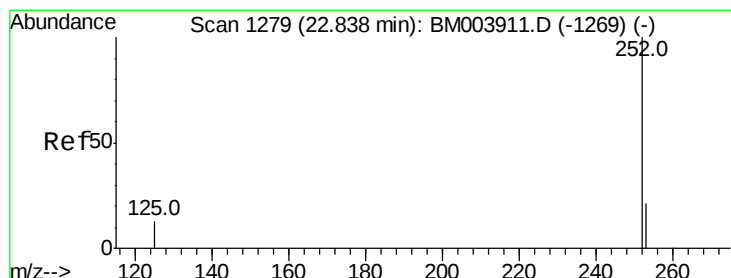
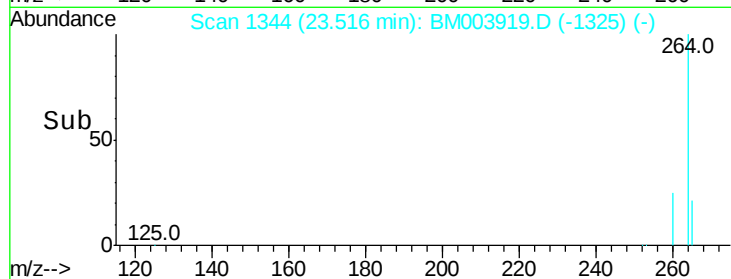
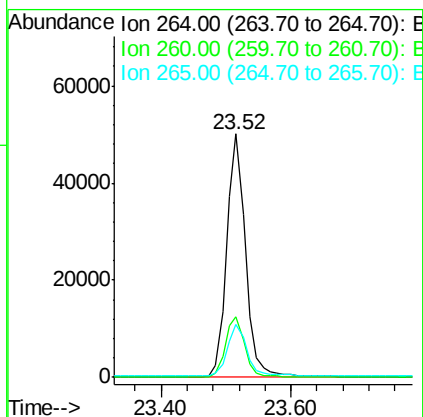
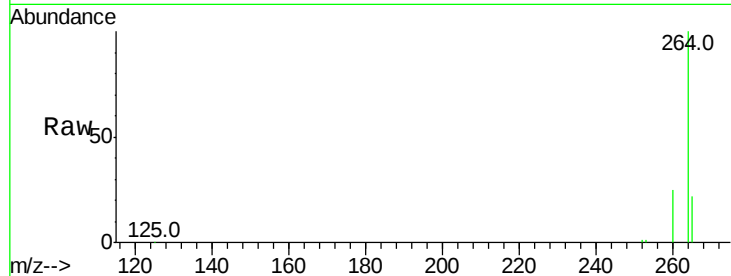




#35
 Pervlene-d12
 Concen: 5.00 ng
 RT: 23.52 min Scan# 1344
 Delta R.T. 0.00 min
 Lab File: BM003919.D
 Acq: 31 Dec 2015 18:04

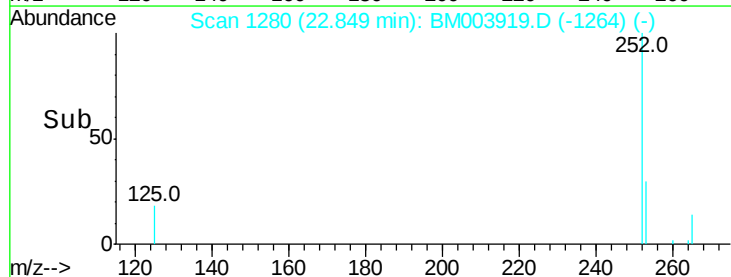
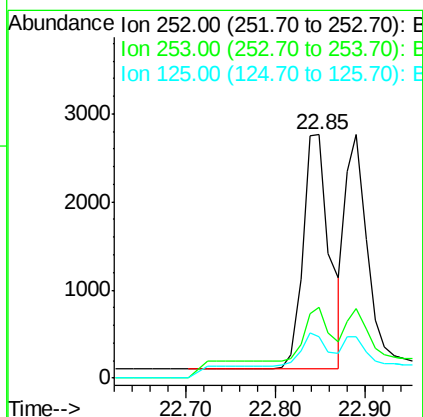
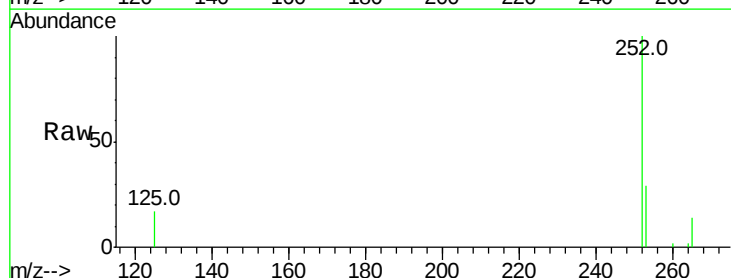
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL2016-02

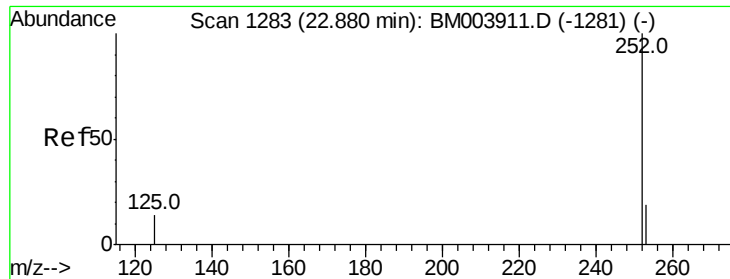
Tot Ion:264 Resp: 99961
 Ion Ratio Lower Upper
 264 100
 260 25.0 21.2 31.8
 265 22.0 16.7 25.1



#36
 Benzo(b)fluoranthene
 Concen: 0.19 ng
 RT: 22.85 min Scan# 1280
 Delta R.T. 0.01 min
 Lab File: BM003919.D
 Acq: 31 Dec 2015 18:04

Tgt Ion:252 Resp: 5910
 Ion Ratio Lower Upper
 252 100
 253 28.9 18.8 28.2#
 125 16.9 10.2 15.4#

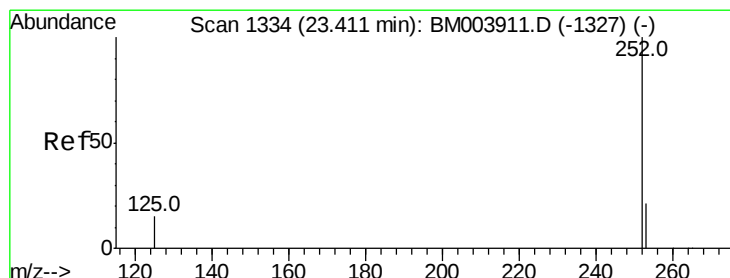
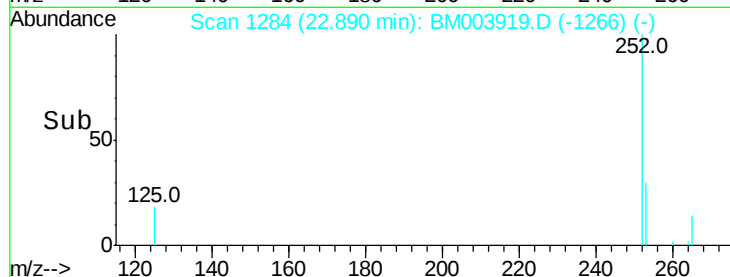
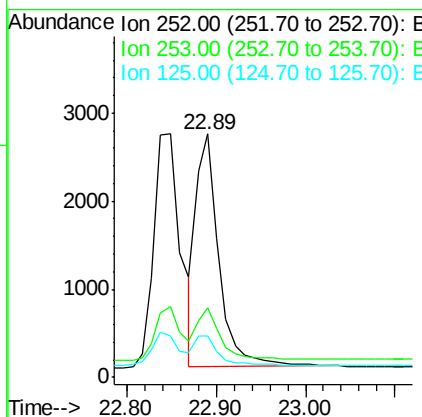
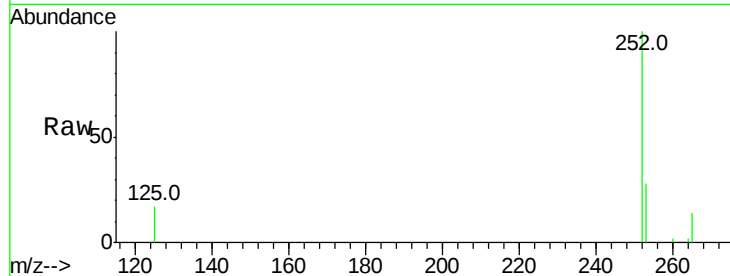




#37
Benzo(k)fluoranthene
Concen: 0.16 ng
RT: 22.89 min Scan# 1284
Delta R.T. 0.01 min
Lab File: BM003919.D
Acq: 31 Dec 2015 18:04

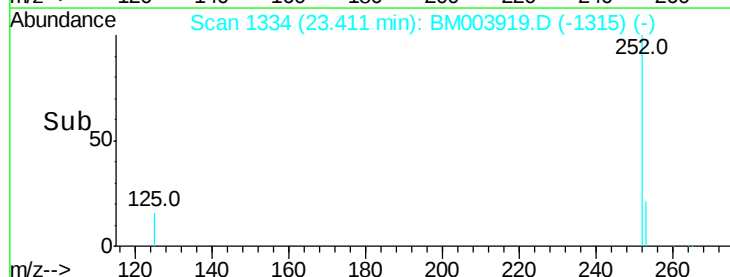
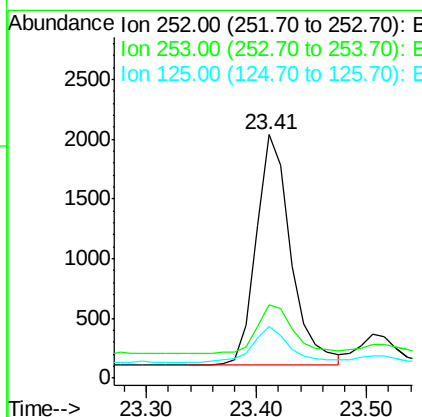
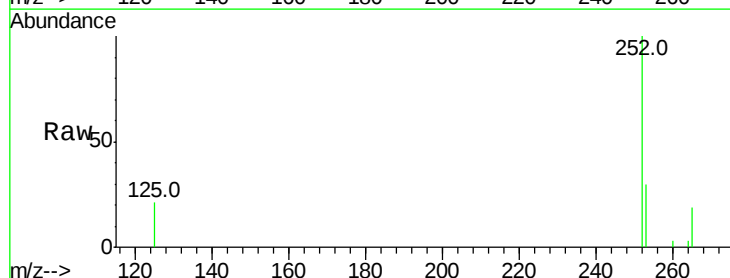
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL2016-02

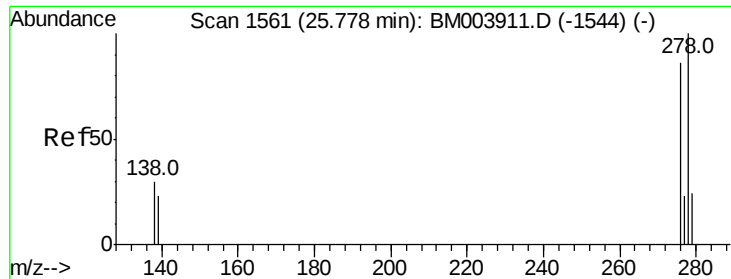
Tot Ion:252 Resp: 4736
Ion Ratio Lower Upper
252 100
253 28.4 18.3 27.5#
125 16.9 10.6 15.8#



#38
Benzo(a)pyrene
Concen: 0.16 ng
RT: 23.41 min Scan# 1334
Delta R.T. 0.00 min
Lab File: BM003919.D
Acq: 31 Dec 2015 18:04

Tgt Ion:252 Resp: 4176
Ion Ratio Lower Upper
252 100
253 30.2 18.7 28.1#
125 21.3 11.8 17.8#





#39

Dibenzo(a,h)anthracene

Concen: 0.17 ng

RT: 25.79 min Scan# 1562

Delta R.T. 0.01 min

Lab File: BM003919.D

Acq: 31 Dec 2015 18:04

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL2016-02

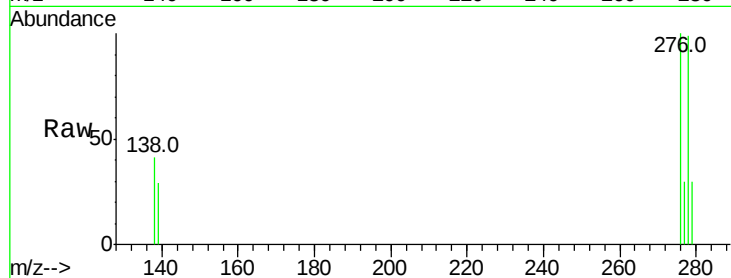
Tot Ion:278 Resp: 3692

Ion Ratio Lower Upper

278 100

139 29.5 19.0 28.6#

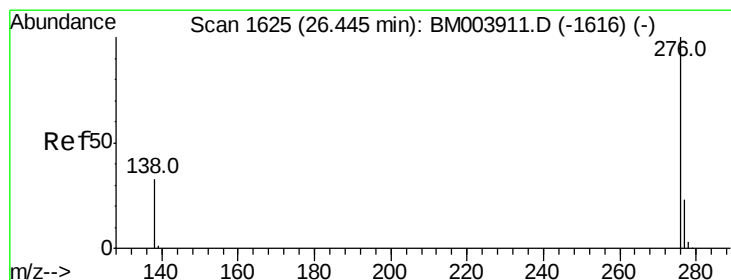
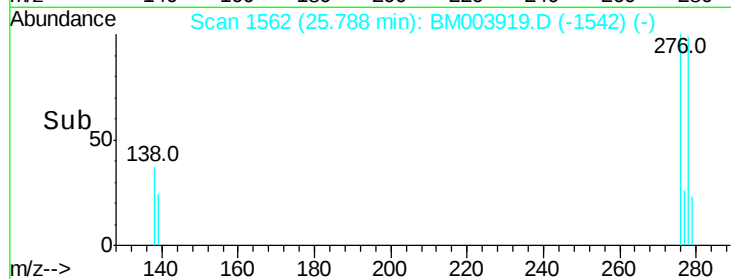
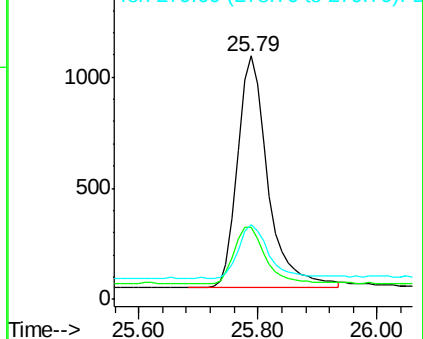
279 30.8 19.6 29.4#



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: 0.18 ng

RT: 26.47 min Scan# 1627

Delta R.T. 0.02 min

Lab File: BM003919.D

Acq: 31 Dec 2015 18:04

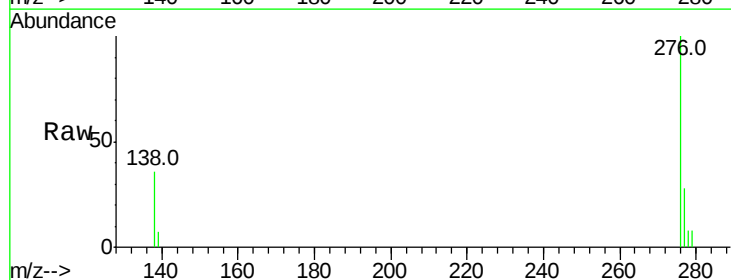
Tgt Ion:276 Resp: 4253

Ion Ratio Lower Upper

276 100

277 27.6 19.1 28.7

138 36.2 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

