

Data Path : Z:\HPCHEM1\BNA M\DATA\BM032217\
 Data File : BM009329.D
 Acq On : 22 Mar 2017 21:47
 Operator : SJ/MA
 Sample : I2296-02
 Misc : L00 20 PPB
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT2-2017

Quant Time: Mar 23 04:11:14 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 22 16:43:02 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.86	152	184141	20.00	ng	0.00
21) Naphthalene-d8	10.66	136	710191	20.00	ng	0.00
38) Acenaphthene-d10	14.50	164	415505	20.00	ng	0.00
63) Phenanthrene-d10	17.25	188	950391	20.00	ng	0.00
75) Chrysene-d12	21.43	240	1209001	20.00	ng	0.00
86) Perylene-d12	23.75	264	1114533	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	1496880	135.50	ng	0.00
7) Phenol-d6	7.02	99	2021485	134.19	ng	0.00
23) Nitrobenzene-d5	9.03	82	1827744	96.49	ng	0.00
41) 2,4,6-Tribromophenol	15.99	330	751086	145.51	ng	0.00
44) 2-Fluorobiphenyl	13.12	172	3429542	99.46	ng	0.00
78) Terphenyl-d14	19.87	244	5393937	93.23	ng	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	3.36	88	102352	18.42	ng	# 100
3) Pyridine	3.76	79	301776	19.22	ng	# 82
4) n-Nitrosodimethylamine	3.68	42	160476	19.20	ng	# 64
6) Aniline	7.19	93	401708	19.62	ng	# 88
8) 2-Chlorophenol	7.42	128	224957	20.08	ng	# 82
9) Benzaldehyde	7.01	77	234072	19.74	ng	# 80
10) Phenol	7.05	94	322614	19.76	ng	# 94
11) bis(2-Chloroethyl)ether	7.29	93	259761	19.41	ng	# 82
12) 1,3-Dichlorobenzene	7.75	146	266142	19.85	ng	# 85
13) 1,4-Dichlorobenzene	7.90	146	271412	19.59	ng	# 94
14) 1,2-Dichlorobenzene	8.21	146	263264	19.56	ng	# 93
15) Benzyl Alcohol	8.10	79	255877	19.43	ng	# 87
16) 2,2'-oxybis(1-Chloropropan	8.39	45	452972	19.48	ng	# 99
17) 2-Methylphenol	8.29	107	209203	19.59	ng	# 84
18) Hexachloroethane	8.93	117	111398	19.65	ng	# 89
19) n-Nitroso-di-n-propylamine	8.66	70	234741	19.33	ng	# 92
20) 3+4-Methylphenols	8.62	107	285391	19.65	ng	# 91
22) Acetophenone	8.69	105	389671	19.45	ng	# 90
24) Nitrobenzene	9.07	77	371460	20.02	ng	# 88
25) Isophorone	9.59	82	574159	19.87	ng	# 88
26) 2-Nitrophenol	9.77	139	111800	19.98	ng	# 51
27) 2,4-Dimethylphenol	9.83	122	198390	19.38	ng	# 84
28) bis(2-Chloroethoxy)methane	10.07	93	345220	19.30	ng	# 97
29) 2,4-Dichlorophenol	10.30	162	215504	20.13	ng	# 92
30) 1,2,4-Trichlorobenzene	10.52	180	260096	19.58	ng	# 98
31) Naphthalene	10.71	128	732370	19.43	ng	# 99
32) Benzoic acid	9.92	122	127171	18.26	ng	# 74
33) 4-Chloroaniline	10.82	127	290809	20.00	ng	# 79
34) Hexachlorobutadiene	10.98	225	179645	19.75	ng	# 98
35) Caprolactam	11.60	113	63080	19.30	ng	# 56
36) 4-Chloro-3-methylphenol	11.93	107	238542	19.70	ng	# 78
37) 2-Methylnaphthalene	12.32	142	502624	19.32	ng	# 93
39) 1,2,4,5-Tetrachlorobenzene	12.69	216	311673	19.87	ng	# 100
40) Hexachlorocyclopentadiene	12.66	237	169587	18.84	ng	# 93

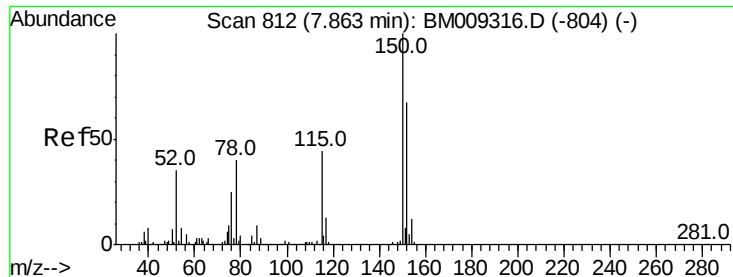
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	12.93	196	176408	19.67	nq	96
43) 2,4,5-Trichlorophenol	12.99	196	195521	19.54	nq	# 87
45) 1,1'-Biphenyl	13.33	154	683579	19.77	nq	95
46) 2-Chloronaphthalene	13.37	162	535112	19.92	nq	96
47) 2-Nitroaniline	13.59	65	187721	18.97	nq	# 71
48) Acenaphthylene	14.23	152	873302	19.96	nq	97
49) Dimethylphthalate	13.96	163	636739	19.96	nq	# 99
50) 2,6-Dinitrotoluene	14.08	165	134568	19.57	nq	# 66
51) Acenaphthene	14.57	154	517202	19.59	nq	99
52) 3-Nitroaniline	14.42	138	134442	19.85	nq	# 48
53) 2,4-Dinitrophenol	14.62	184	70568	19.65	nq	94
54) Dibenzofuran	14.90	168	773851	19.82	nq	94
55) 4-Nitrophenol	14.71	139	107632	19.23	nq	# 6
56) 2,4-Dinitrotoluene	14.87	165	183462	19.72	nq	# 98
57) Fluorene	15.55	166	689512	19.65	nq	99
58) 2,3,4,6-Tetrachlorophenol	15.12	232	170778	20.18	nq	# 100
59) Diethylphthalate	15.32	149	648212	20.03	nq	98
60) 4-Chlorophenyl-phenylether	15.54	204	361665	19.74	nq	98
61) 4-Nitroaniline	15.58	138	139529	18.97	nq	# 26
62) Azobenzene	15.84	77	759439	20.10	nq	87
64) 4,6-Dinitro-2-methylphenol	15.63	198	109100	18.22	nq	90
65) n-Nitrosodiphenylamine	15.76	169	566186	19.61	nq	99
66) 4-Bromophenyl-phenylether	16.44	248	221174	20.09	nq	# 93
67) Hexachlorobenzene	16.55	284	239090	19.81	nq	# 93
68) Atrazine	16.71	200	214630	19.77	nq	99
69) Pentachlorophenol	16.90	266	134731	18.27	nq	99
70) Phenanthrene	17.29	178	1063348	19.57	nq	99
71) Anthracene	17.39	178	1078040	19.59	nq	99
72) Carbazole	17.66	167	1049004	19.91	nq	100
73) Di-n-butylphthalate	18.20	149	1053144	19.57	nq	# 96
74) Fluoranthene	19.30	202	1266576	19.68	nq	97
76) Benzidine	19.49	184	657719	18.25	nq	99
77) Pyrene	19.67	202	1353507	19.74	nq	100
79) Butylbenzylphthalate	20.56	149	490941	19.88	nq	# 77
80) Benzo(a)anthracene	21.41	228	1400259	19.83	nq	98
81) 3,3'-Dichlorobenzidine	21.34	252	547833	20.72	nq	# 97
82) Chrysene	21.46	228	1321164	19.60	nq	98
83) Bis(2-ethylhexyl)phthalate	21.32	149	737261	20.01	nq	99
84) Di-n-octyl phthalate	22.22	149	1228808	20.04	nq	# 90
85) Indeno(1,2,3-cd)pyrene	26.13	276	1452457	19.75	nq	# 100
87) Benzo(b)fluoranthene	23.04	252	1384840	19.60	nq	# 95
88) Benzo(k)fluoranthene	23.09	252	1341142	19.74	nq	# 98
89) Benzo(a)pyrene	23.65	252	1294061	19.78	nq	98
90) Dibenzo(a,h)anthracene	26.13	278	1263167	19.71	nq	# 95
91) Benzo(g,h,i)perylene	26.86	276	1216233	19.47	nq	# 91

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.86 min Scan# 811

Delta R.T. -0.01 min

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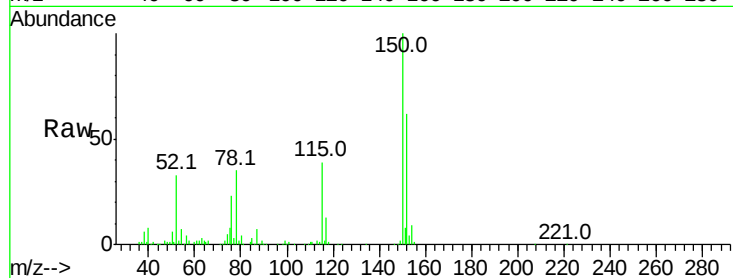
Tot Ion:152 Resp: 184141

Ion Ratio Lower Upper

152 100

150 162.0 119.5 179.3

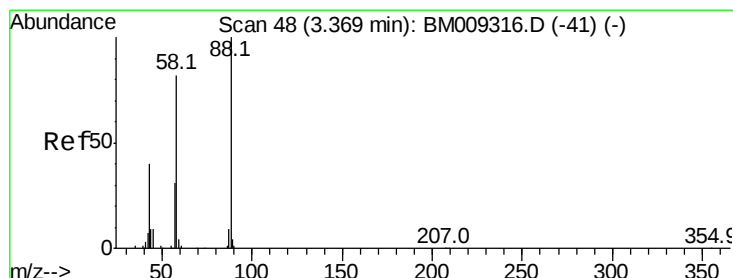
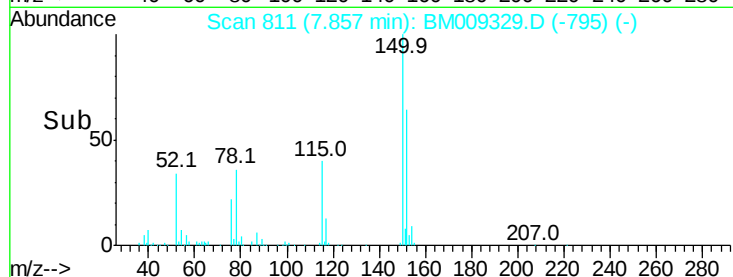
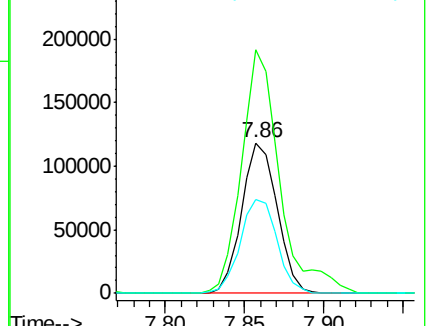
115 62.9 43.0 64.4



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: 18.42 ng

RT: 3.36 min Scan# 47

Delta R.T. -0.01 min

Lab File: BM009329.D

Acq: 22 Mar 2017 21:47

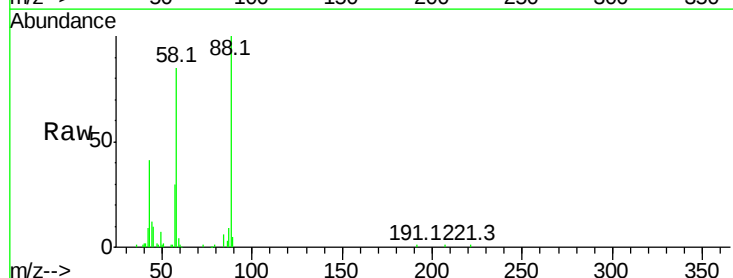
Tgt Ion: 88 Resp: 102352

Ion Ratio Lower Upper

88 100

58 85.3 0.0 0.0#

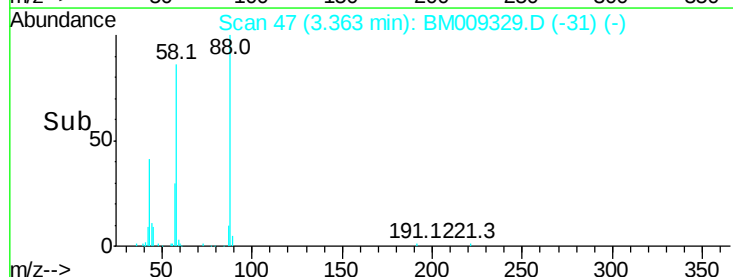
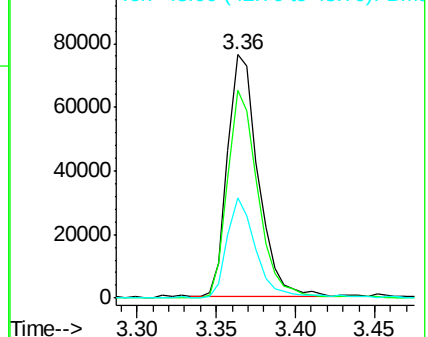
43 38.9 0.0 0.0#

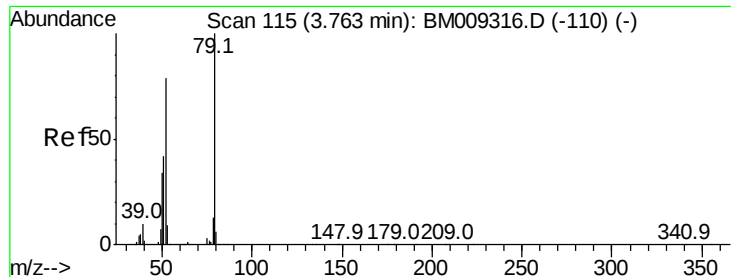


Abundance Ion 88.00 (87.70 to 88.70): BM0

Ion 58.00 (57.70 to 58.70): BM0

Ion 43.00 (42.70 to 43.70): BM0





#3

Pvridine

Concen: 19.22 ng

RT: 3.76 min Scan# 115

Delta R.T. 0.00 min

Lab File: BM009329.D

Acq: 22 Mar 2017 21:47

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2017

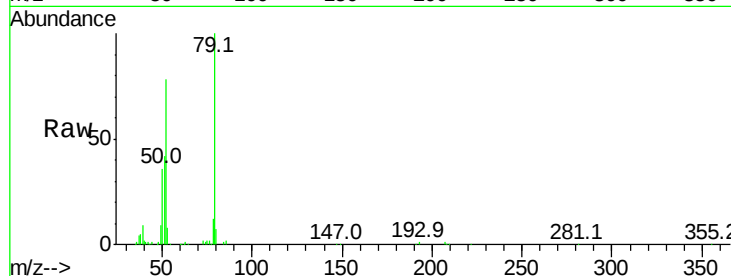
Tot Ion: 79 Resp: 301776

Ion Ratio Lower Upper

79 100

52 78.0 51.1 76.7#

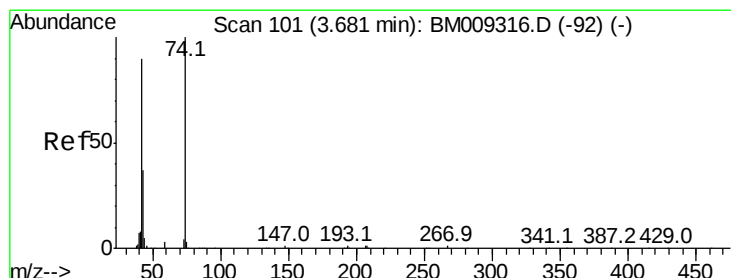
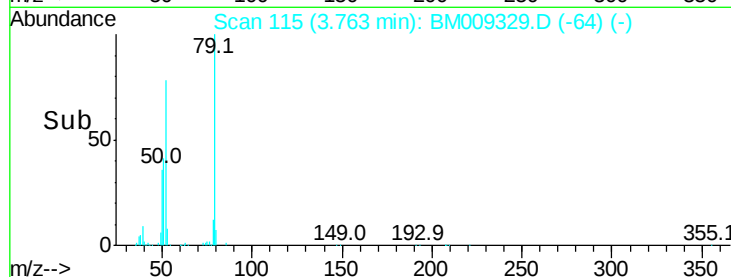
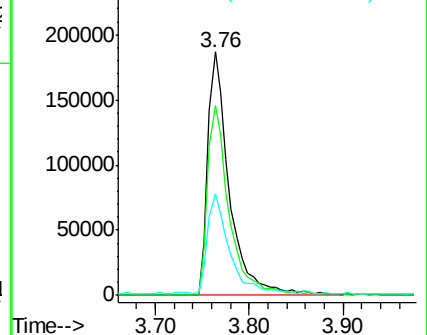
51 41.9 26.1 39.1#



Abundance Ion 79.00 (78.70 to 79.70): BM009316.D (-110) (-)

Ion 52.00 (51.70 to 52.70): BM009316.D (-110) (-)

Ion 51.00 (50.70 to 51.70): BM009316.D (-110) (-)



#4

n-Nitrosodimethylamine

Concen: 19.20 ng

RT: 3.68 min Scan# 101

Delta R.T. 0.00 min

Lab File: BM009329.D

Acq: 22 Mar 2017 21:47

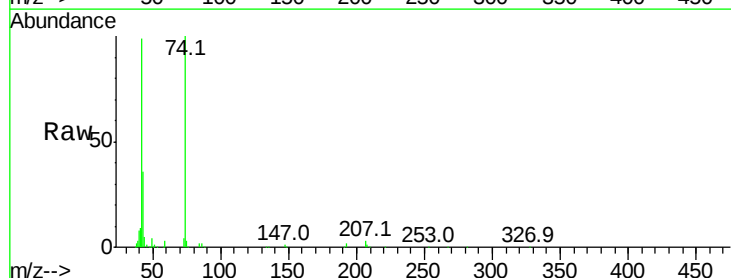
Tgt Ion: 42 Resp: 160476

Ion Ratio Lower Upper

42 100

74 101.5 119.3 178.9#

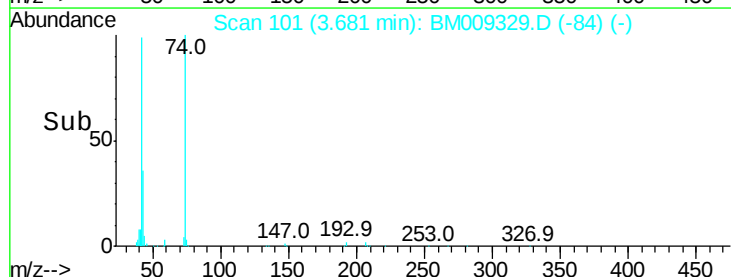
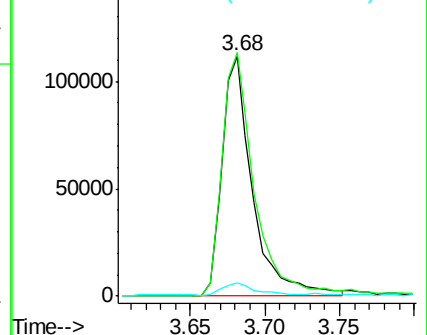
44 5.6 5.4 8.2

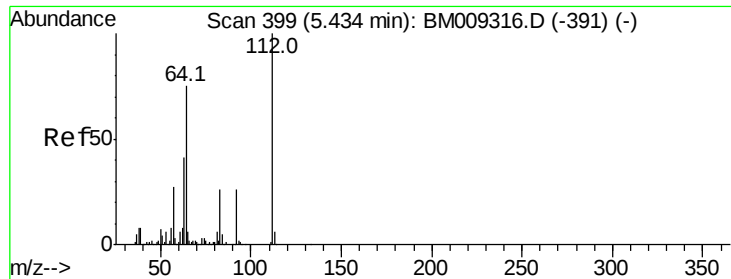


Abundance Ion 42.00 (41.70 to 42.70): BM009316.D (-92) (-)

Ion 74.00 (73.70 to 74.70): BM009316.D (-92) (-)

Ion 44.00 (43.70 to 44.70): BM009316.D (-92) (-)





#5

2-Fluorophenol

Concen: 135.50 ng

RT: 5.43 min Scan# 399

Delta R.T. 0.00 min

Lab File: BM009329.D

Acq: 22 Mar 2017 21:47

Instrument :

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ClientSampleId :

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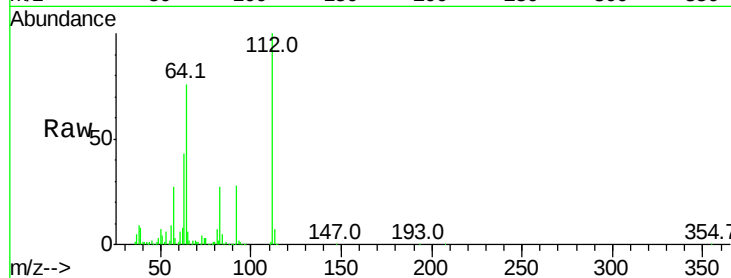
Tot Ion:112 Resp: 1496880

Ion Ratio Lower Upper

112 100

64 75.7 38.6 57.8#

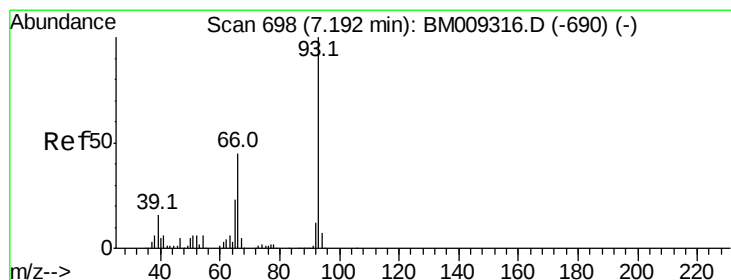
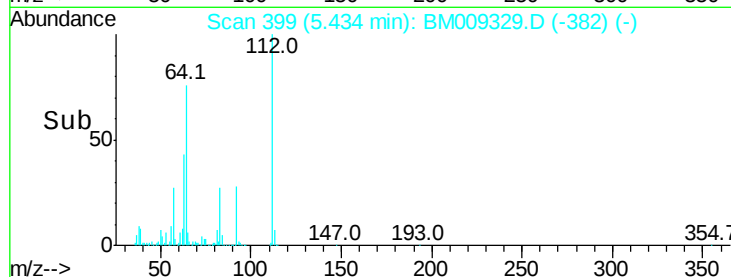
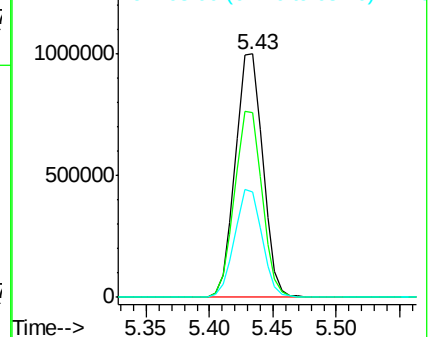
63 43.1 19.3 28.9#



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): B

Ion 63.00 (62.70 to 63.70): B



#6

Aniline

Concen: 19.62 ng

RT: 7.19 min Scan# 698

Delta R.T. 0.00 min

Lab File: BM009329.D

Acq: 22 Mar 2017 21:47

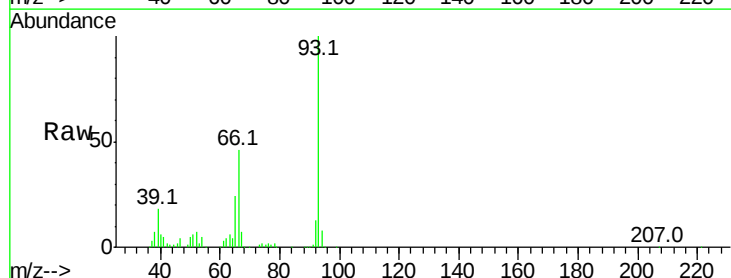
Tgt Ion: 93 Resp: 401708

Ion Ratio Lower Upper

93 100

66 46.4 30.8 46.2#

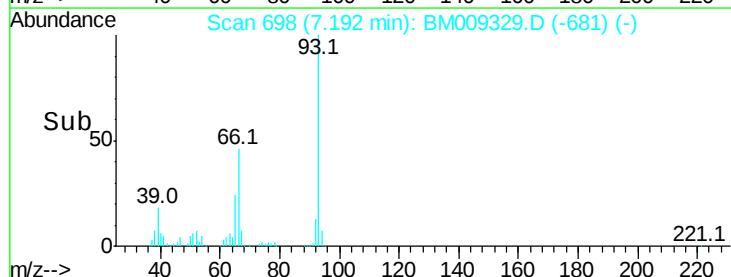
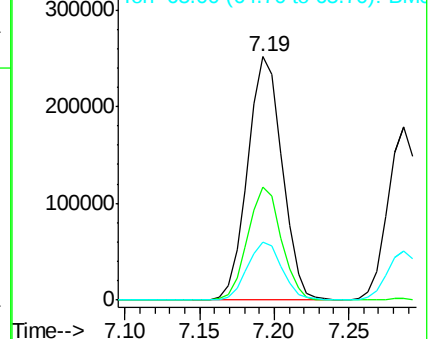
65 24.0 16.0 24.0#

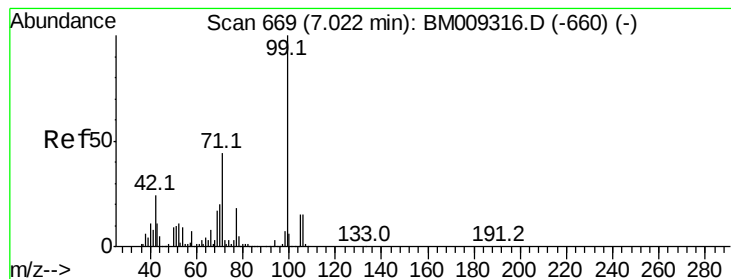


Abundance Ion 93.00 (92.70 to 93.70): B

Ion 66.00 (65.70 to 66.70): B

Ion 65.00 (64.70 to 65.70): B





#7

Phenol-d6

Concen: 134.19 ng

RT: 7.02 min Scan# 669

Delta R.T. 0.00 min

Lab File: BM009329.D

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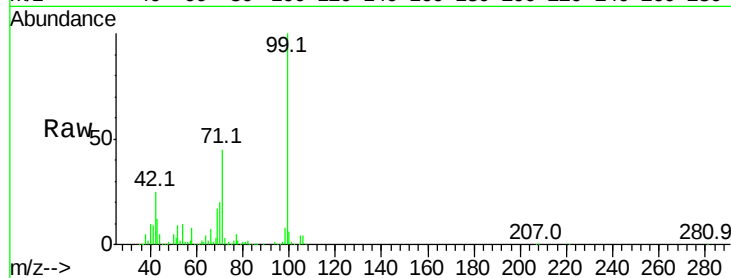
Tot Ion: 99 Resp: 2021485

Ion Ratio Lower Upper

99 100

42 25.1 11.0 16.4#

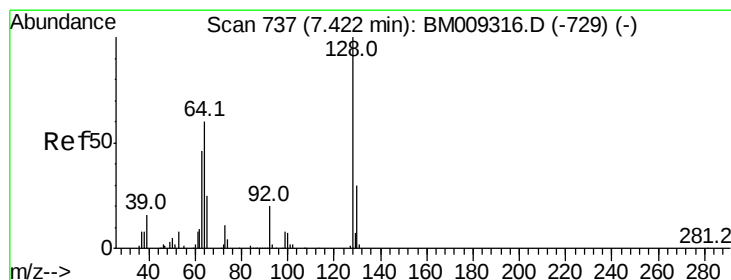
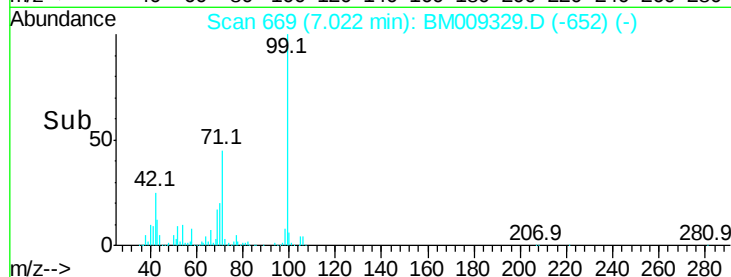
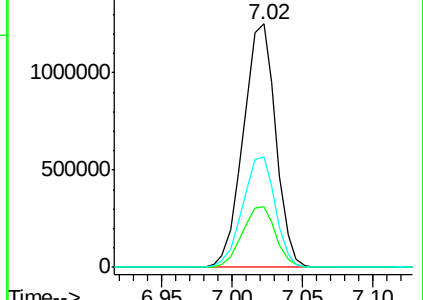
71 45.4 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM009316.D (-660) (-)

Ion 42.00 (41.70 to 42.70): BM009316.D (-660) (-)

Ion 71.00 (70.70 to 71.70): BM009316.D (-660) (-)



#8

2-Chlorophenol

Concen: 20.08 ng

RT: 7.42 min Scan# 737

Delta R.T. 0.00 min

Lab File: BM009329.D

Acq: 22 Mar 2017 21:47

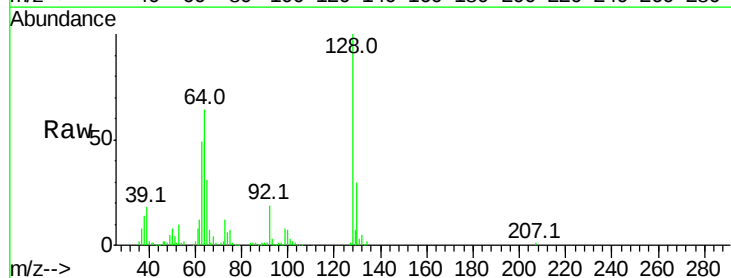
Tgt Ion:128 Resp: 224957

Ion Ratio Lower Upper

128 100

130 30.1 12.0 52.0

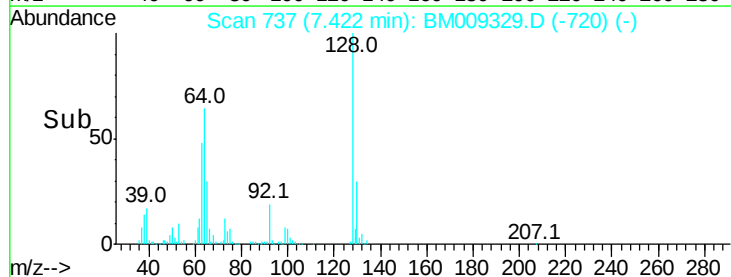
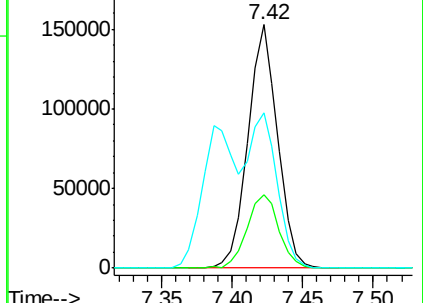
64 64.0 24.9 64.9

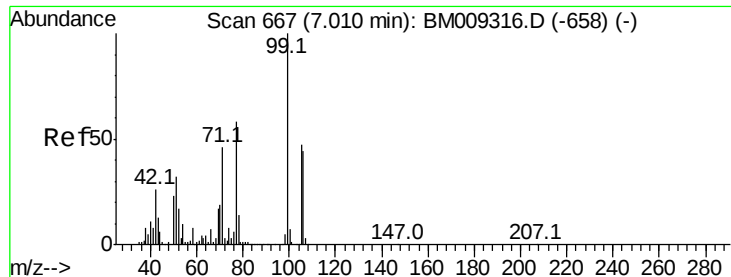


Abundance Ion 128.00 (127.70 to 128.70): BM009316.D (-729) (-)

Ion 130.00 (129.70 to 130.70): BM009316.D (-729) (-)

Ion 64.00 (63.70 to 64.70): BM009316.D (-729) (-)





#9

Benzaldehyde

Concen: 19.74 ng

RT: 7.01 min Scan# 667

Delta R.T. 0.00 min

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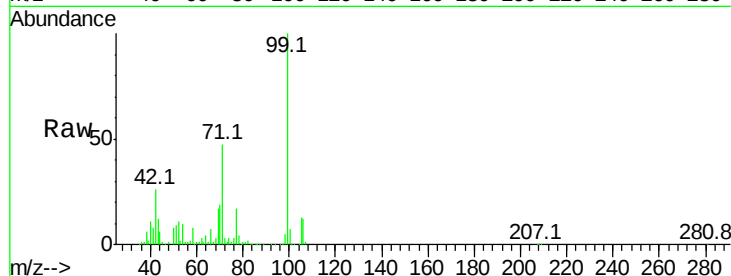
Tot Ion: 77 Resp: 234072

Ion Ratio Lower Upper

77 100

105 78.3 78.8 118.8#

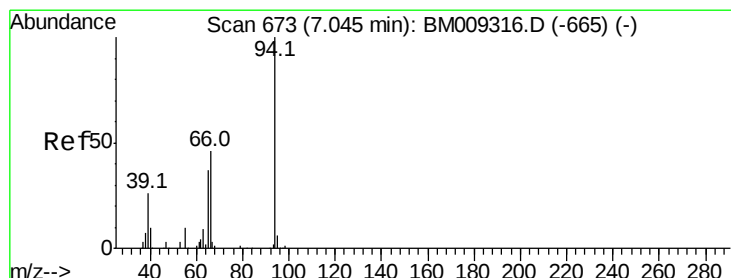
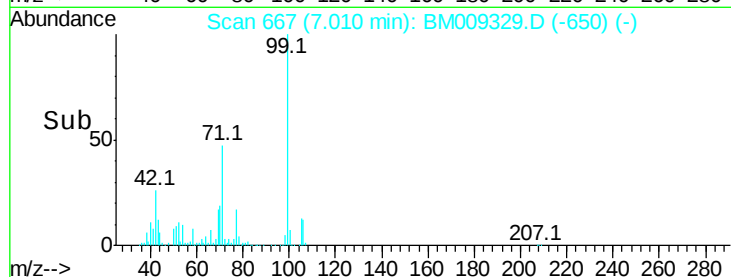
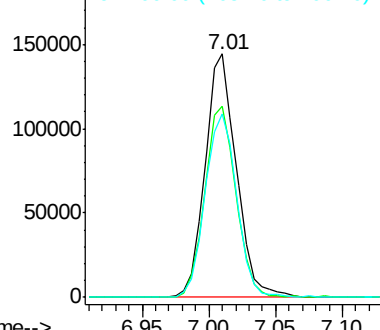
106 75.3 73.7 113.7



Abundance Ion 77.00 (76.70 to 77.70): BM009329.D (-650) (-)

Ion 105.00 (104.70 to 105.70): BM009329.D (-650) (-)

Ion 106.00 (105.70 to 106.70): BM009329.D (-650) (-)



#10

Phenol

Concen: 19.76 ng

RT: 7.05 min Scan# 673

Delta R.T. 0.00 min

Lab File: BM009329.D

Acq: 22 Mar 2017 21:47

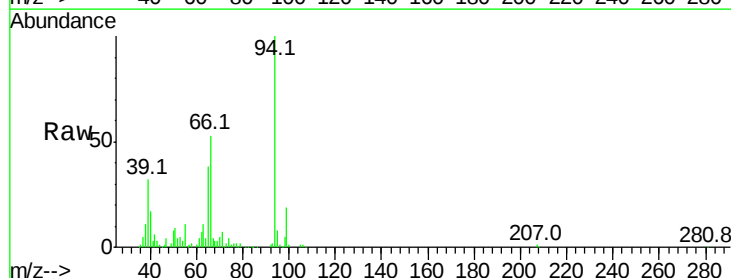
Tgt Ion: 94 Resp: 322614

Ion Ratio Lower Upper

94 100

65 38.2 18.8 58.8

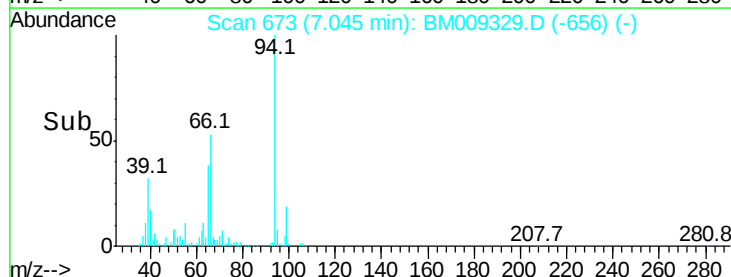
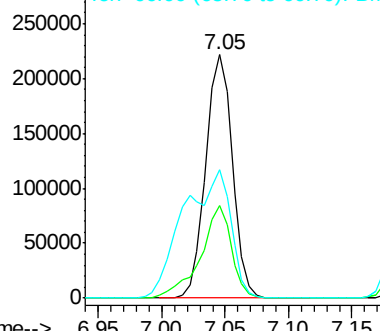
66 52.8 39.9 79.9

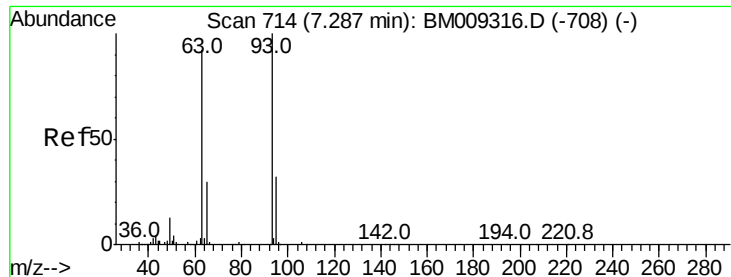


Abundance Ion 94.00 (93.70 to 94.70): BM009329.D (-656) (-)

Ion 65.00 (64.70 to 65.70): BM009329.D (-656) (-)

Ion 66.00 (65.70 to 66.70): BM009329.D (-656) (-)

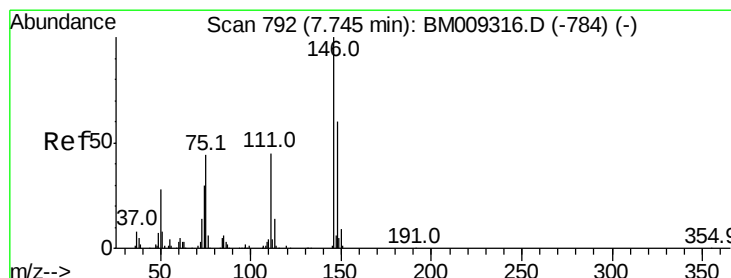
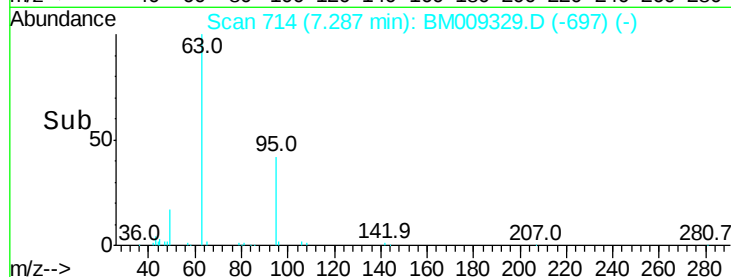
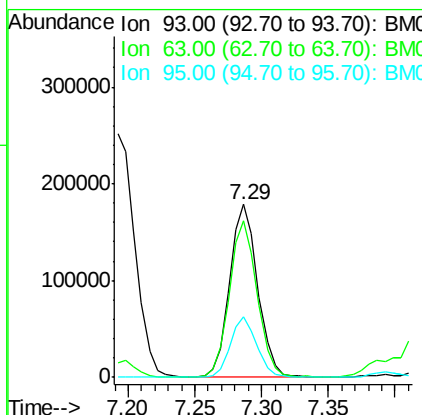
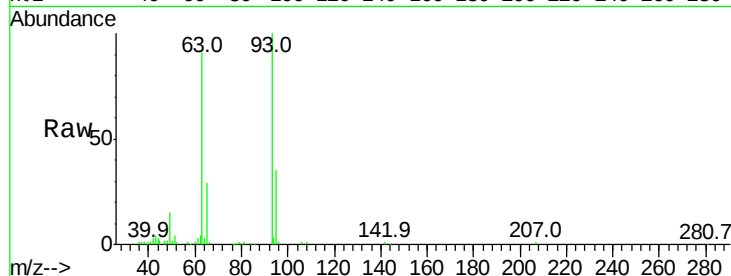




#11
bis(2-Chloroethyl)ether
Concen: 19.41 ng
RT: 7.29 min Scan# 714
Delta R.T. 0.00 min
Lab File: BM009329.D
Acq: 22 Mar 2017 21:47

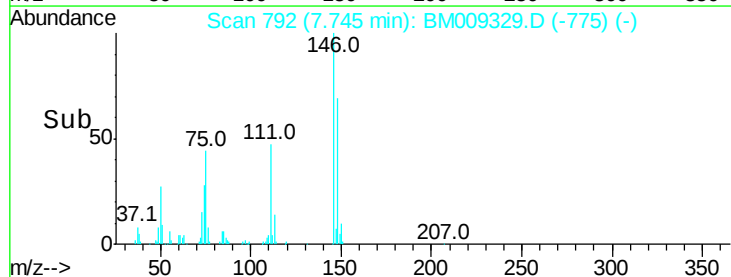
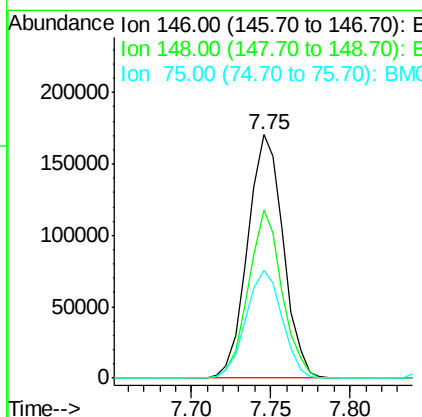
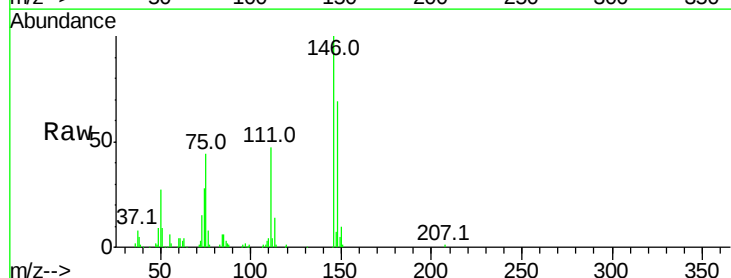
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2017

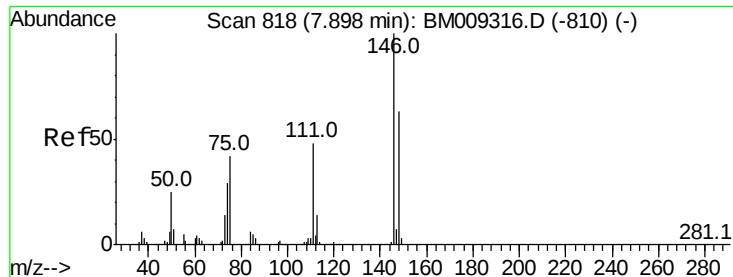
Tot Ion: 93 Resp: 259761
Ion Ratio Lower Upper
93 100
63 90.5 49.5 89.5#
95 34.7 13.5 53.5



#12
1,3-Dichlorobenzene
Concen: 19.85 ng
RT: 7.75 min Scan# 792
Delta R.T. 0.00 min
Lab File: BM009329.D
Acq: 22 Mar 2017 21:47

Tgt Ion: 146 Resp: 266142
Ion Ratio Lower Upper
146 100
148 69.1 50.9 76.3
75 44.1 21.4 32.2#

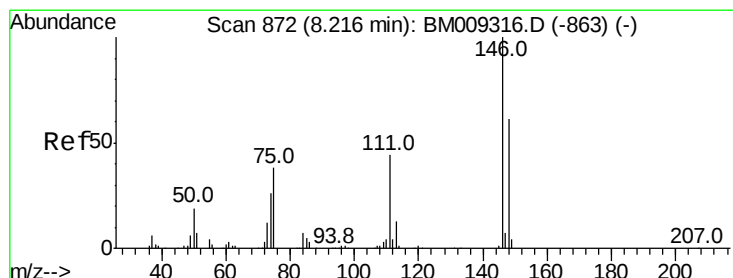
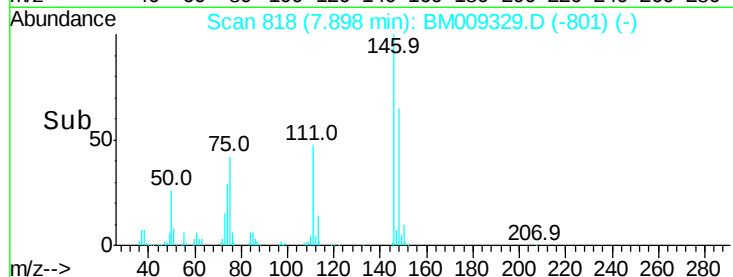
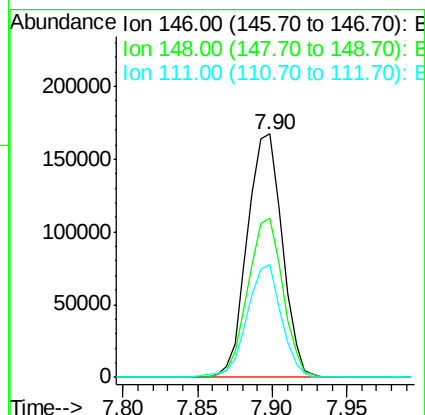
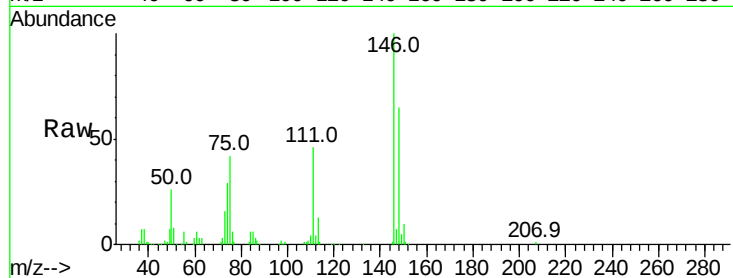




#13
1,4-Dichlorobenzene
Concen: 19.59 ng
RT: 7.90 min Scan# 818
Delta R.T. 0.00 min
Lab File: BM009329.D
Acq: 22 Mar 2017 21:47

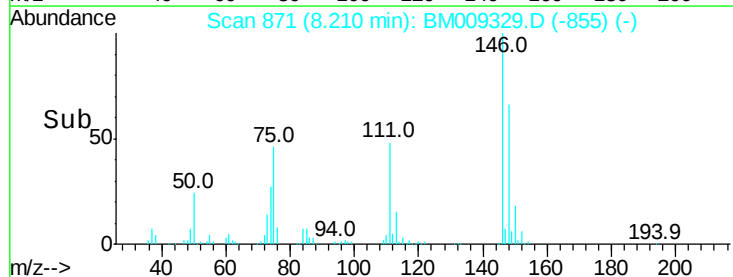
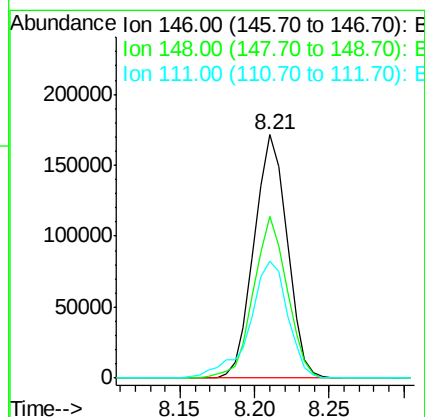
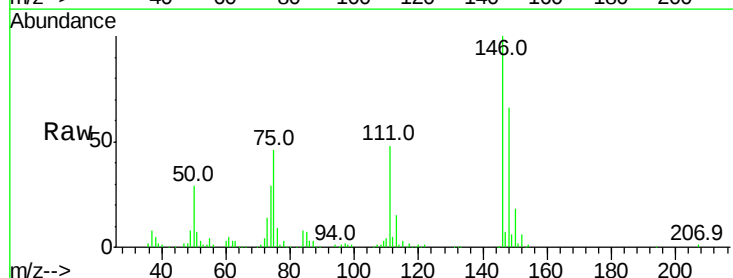
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2017

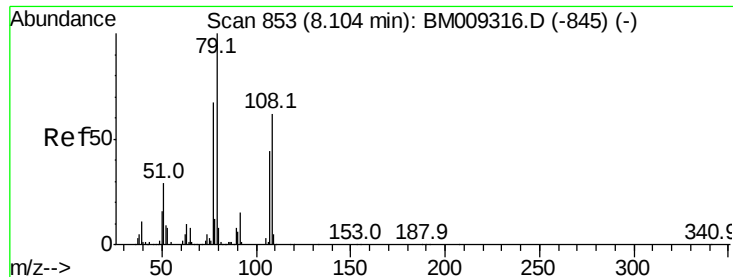
Tot Ion:146 Resp: 271412
Ion Ratio Lower Upper
146 100
148 65.3 51.9 77.9
111 46.5 29.2 43.8#



#14
1,2-Dichlorobenzene
Concen: 19.56 ng
RT: 8.21 min Scan# 871
Delta R.T. -0.01 min
Lab File: BM009329.D
Acq: 22 Mar 2017 21:47

Tgt Ion:146 Resp: 263264
Ion Ratio Lower Upper
146 100
148 66.2 52.3 78.5
111 48.0 30.6 45.8#





#15

Benzyl Alcohol

Concen: 19.43 ng

RT: 8.10 min Scan# 852

Delta R.T. -0.01 min

Lab File: BM009329.D

Acq: 22 Mar 2017 21:47

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2017

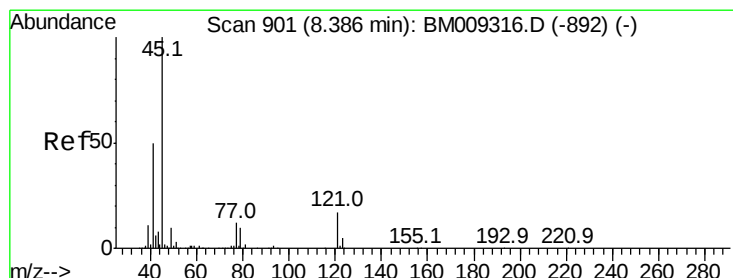
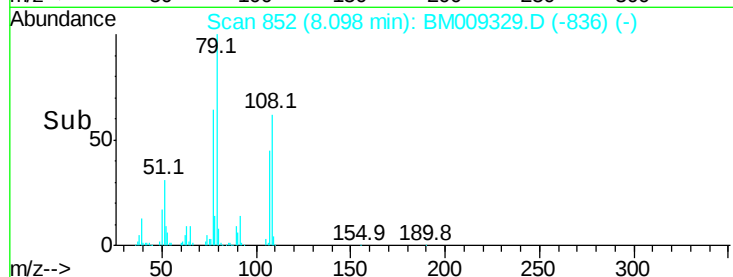
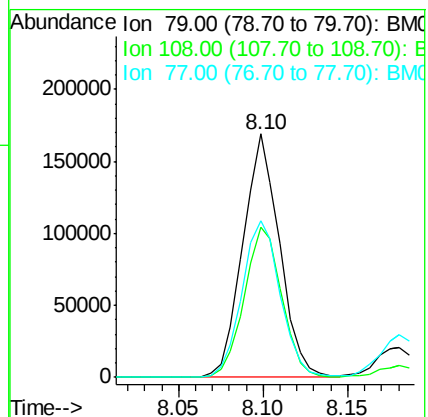
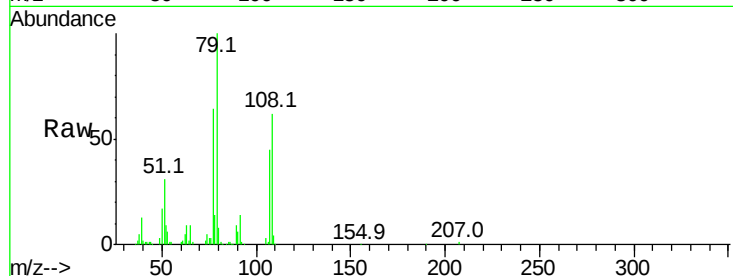
Tot Ion: 79 Resp: 255877

Ion Ratio Lower Upper

79 100

108 61.6 65.0 97.4#

77 64.4 53.0 79.6



#16

2,2'-oxybis(1-Chloropropane)

Concen: 19.48 ng

RT: 8.39 min Scan# 901

Delta R.T. 0.00 min

Lab File: BM009329.D

Acq: 22 Mar 2017 21:47

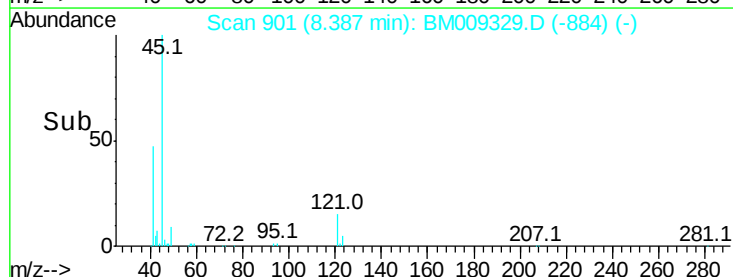
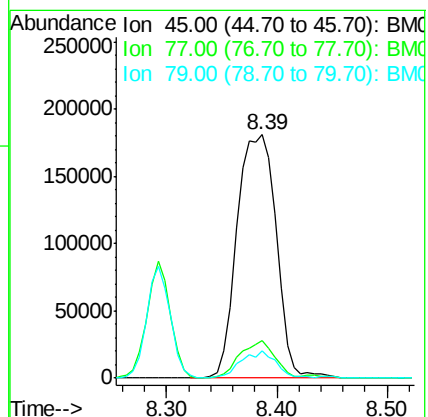
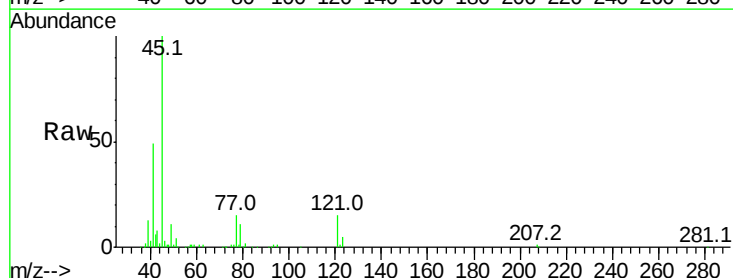
Tgt Ion: 45 Resp: 452972

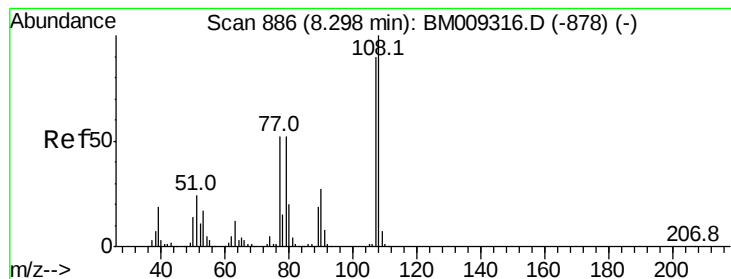
Ion Ratio Lower Upper

45 100

77 15.3 0.0 35.2

79 11.2 0.0 32.0

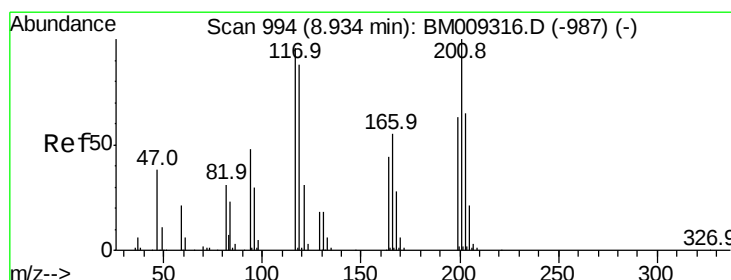
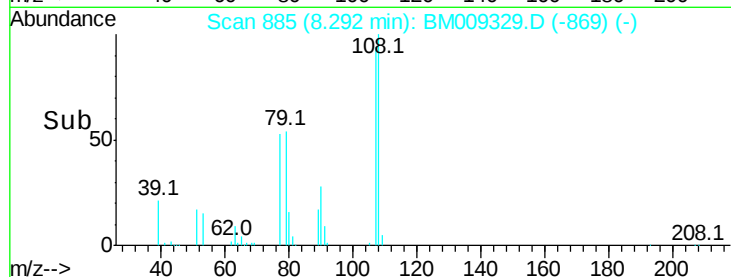
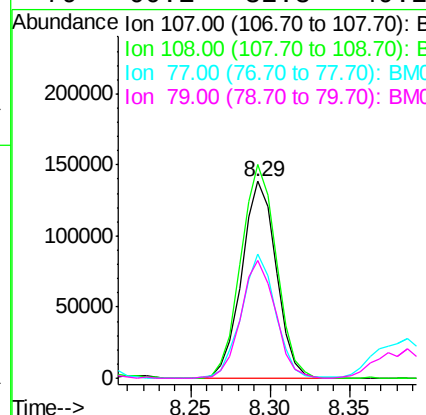
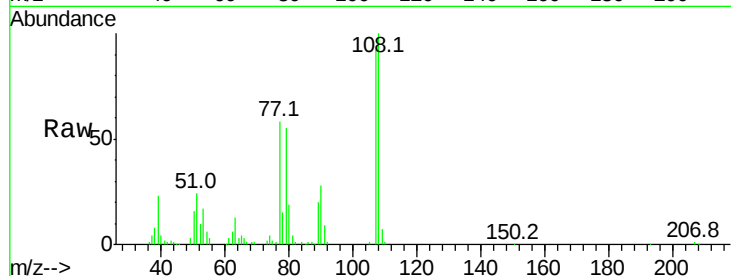




#17
2-Methylphenol
Concen: 19.59 ng
RT: 8.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BM009329.D
Acq: 22 Mar 2017 21:47

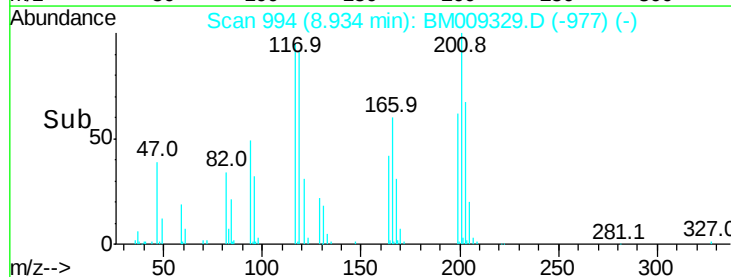
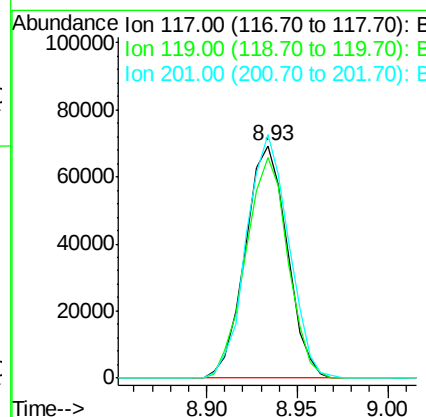
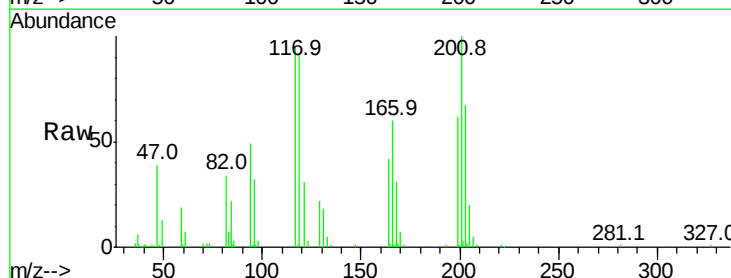
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2017

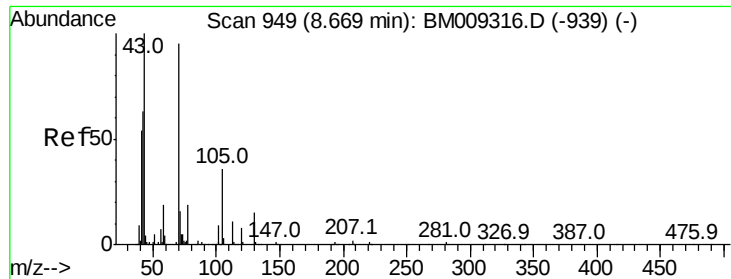
Tot Ion	Ratio	Lower	Upper
107	100		
108	108.5	89.8	134.8
77	62.8	32.6	48.8#
79	60.1	32.8	49.2#



#18
Hexachloroethane
Concen: 19.65 ng
RT: 8.93 min Scan# 994
Delta R.T. 0.00 min
Lab File: BM009329.D
Acq: 22 Mar 2017 21:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.2	79.2	118.8
201	104.8	69.8	104.6#

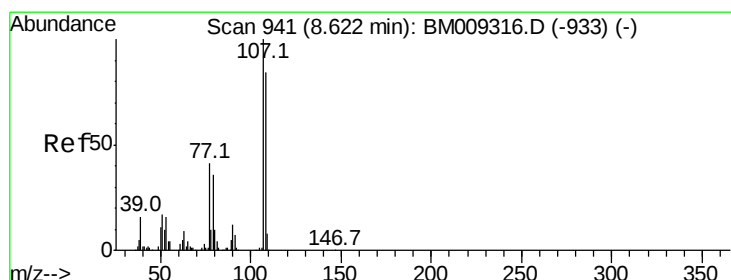
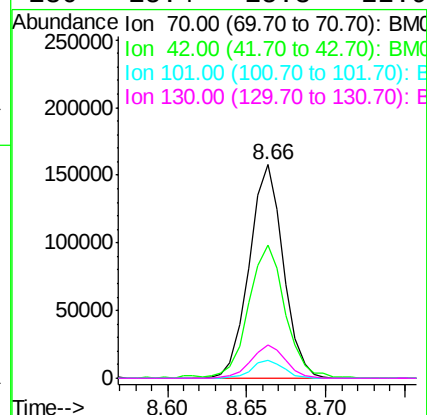
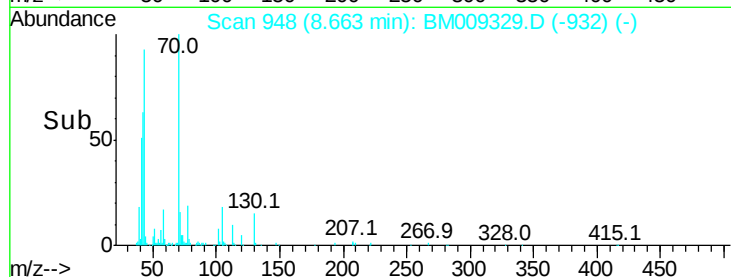
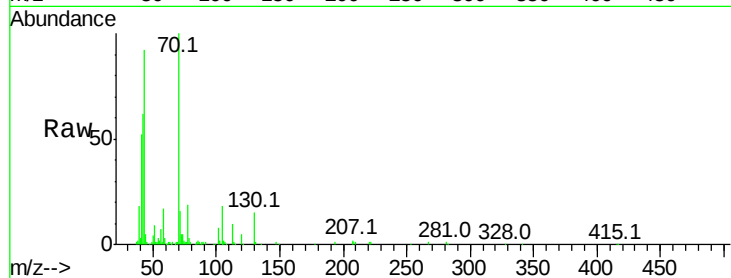




#19
n-Nitroso-di-n-propylamine
Concen: 19.33 ng
RT: 8.66 min Scan# 948
Delta R.T. -0.01 min
Lab File: BM009329.D
Acq: 22 Mar 2017 21:47

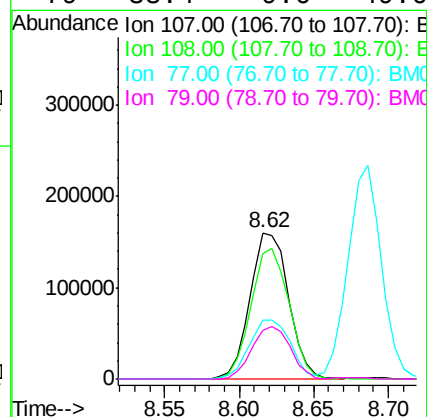
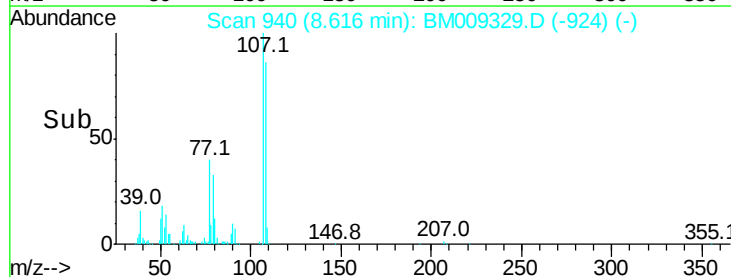
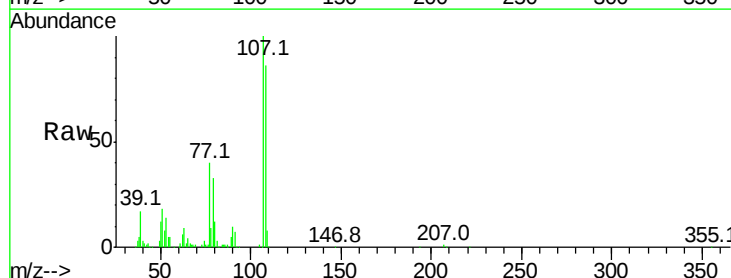
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2017

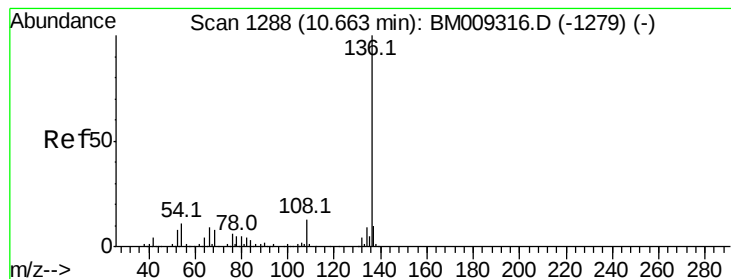
Tot Ion:	70	Resp:	234741
Ion	Ratio	Lower	Upper
70	100		
42	62.5	44.5	66.7
101	8.4	7.4	11.2
130	15.4	15.3	22.9



#20
3+4-Methylphenols
Concen: 19.65 ng
RT: 8.62 min Scan# 940
Delta R.T. -0.01 min
Lab File: BM009329.D
Acq: 22 Mar 2017 21:47

Tgt Ion:	107	Resp:	285391
Ion	Ratio	Lower	Upper
107	100		
108	86.0	73.2	113.2
77	40.0	10.7	50.7
79	33.4	9.6	49.6





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.66 min Scan# 1287

Delta R.T. -0.01 min

Lab File: BM009329.D

Acq: 22 Mar 2017 21:47

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2017

Tot Ion:136 Resp: 710191

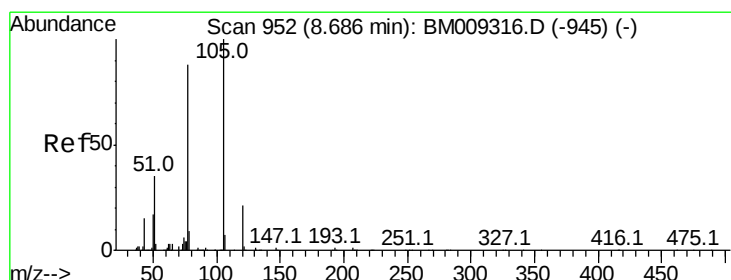
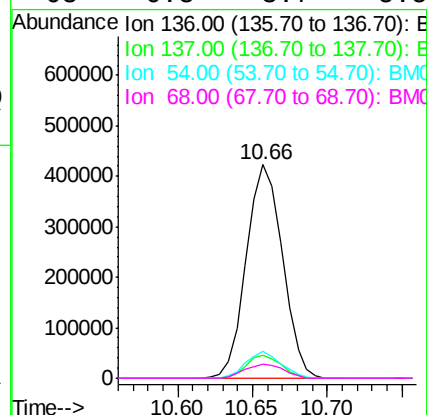
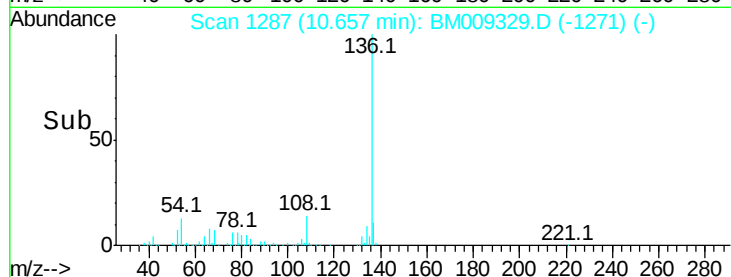
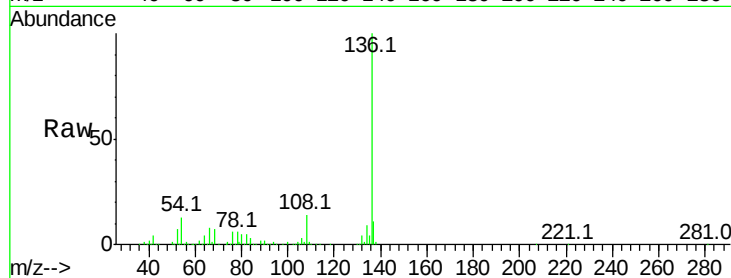
Ion Ratio Lower Upper

136 100

137 10.7 8.7 13.1

54 12.6 4.6 6.8#

68 6.8 3.7 5.5#



#22

Acetophenone

Concen: 19.45 ng

RT: 8.69 min Scan# 952

Delta R.T. 0.00 min

Lab File: BM009329.D

Acq: 22 Mar 2017 21:47

Tgt Ion:105 Resp: 389671

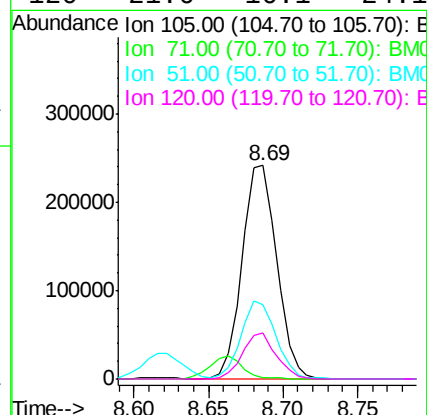
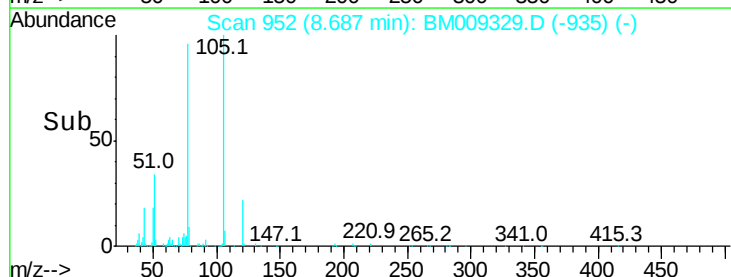
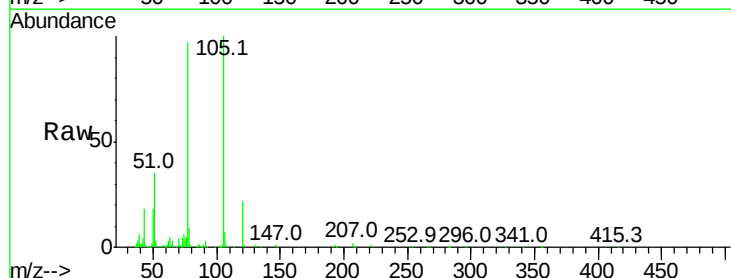
Ion Ratio Lower Upper

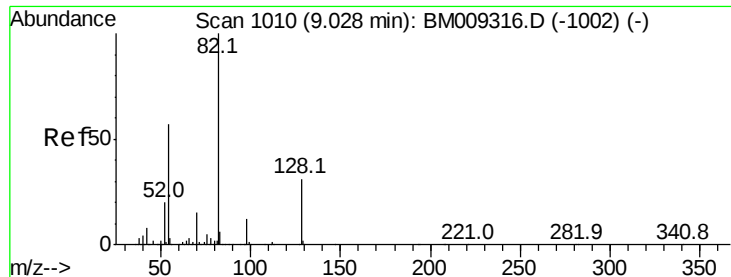
105 100

71 0.6 0.6 1.0

51 34.7 21.6 32.4#

120 21.6 16.1 24.1

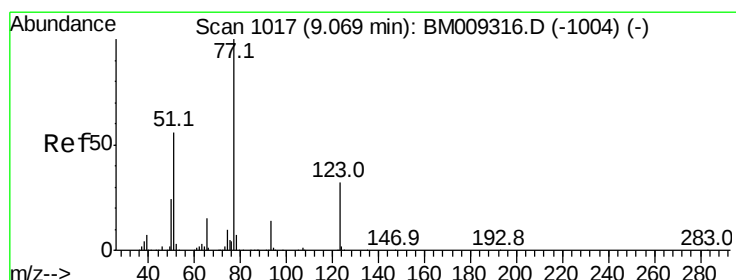
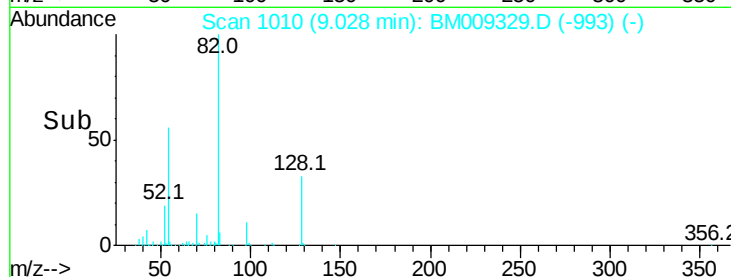
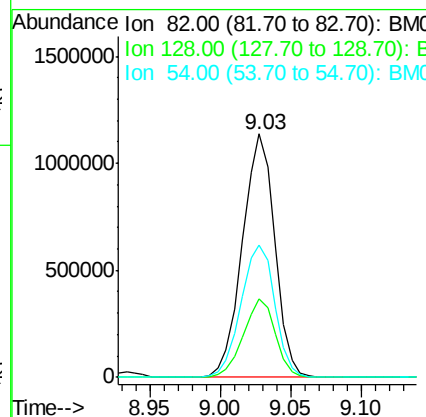
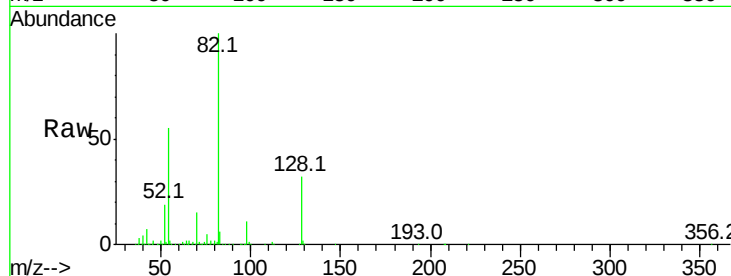




#23
Nitrobenzene-d5
Concen: 96.49 ng
RT: 9.03 min Scan# 1010
Delta R.T. 0.00 min
Lab File: BM009329.D
Acq: 22 Mar 2017 21:47

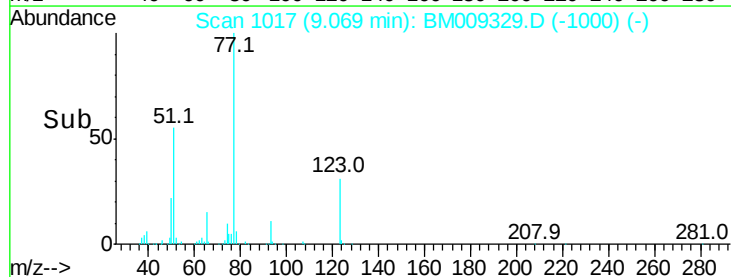
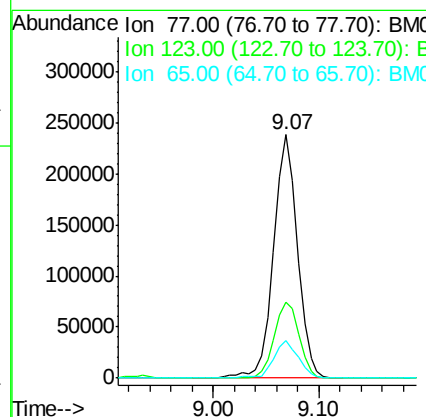
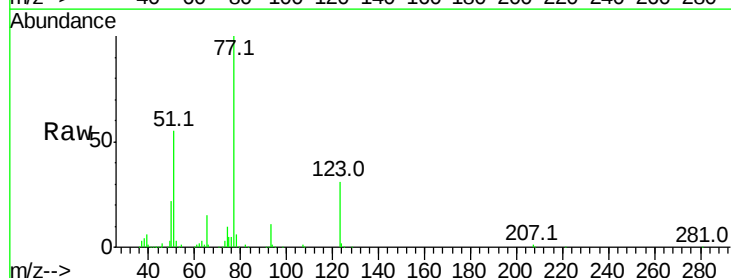
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2017

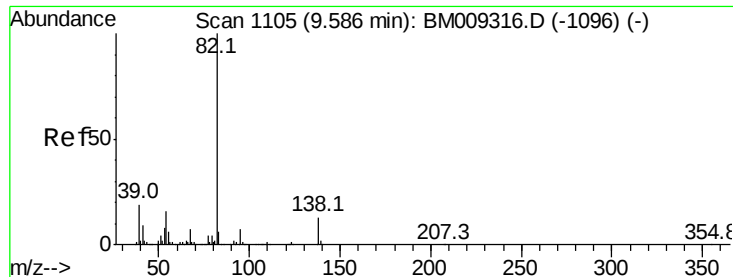
Tot Ion: 82 Resp: 1827744
Ion Ratio Lower Upper
82 100
128 32.1 32.8 49.2#
54 54.5 40.6 60.8



#24
Nitrobenzene
Concen: 20.02 ng
RT: 9.07 min Scan# 1017
Delta R.T. 0.00 min
Lab File: BM009329.D
Acq: 22 Mar 2017 21:47

Tgt Ion: 77 Resp: 371460
Ion Ratio Lower Upper
77 100
123 31.4 32.6 49.0#
65 15.4 10.9 16.3





#25

Isophorone

Concen: 19.87 ng

RT: 9.59 min Scan# 1105

Delta R.T. 0.00 min

Lab File: BM009329.D

Acq: 22 Mar 2017 21:47

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2017

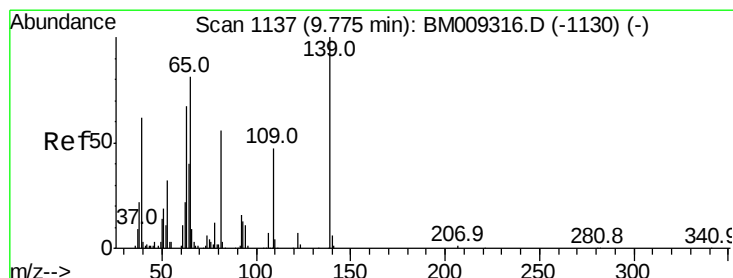
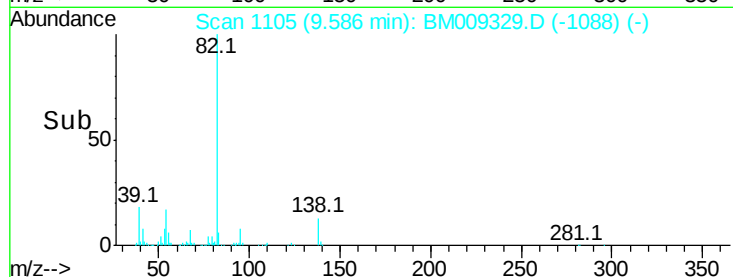
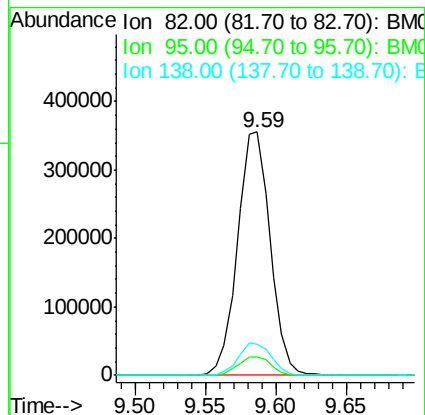
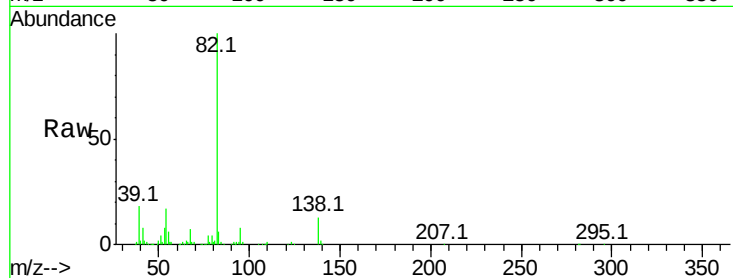
Tot Ion: 82 Resp: 574159

Ion Ratio Lower Upper

82 100

95 7.6 5.8 8.6

138 13.0 16.3 24.5#



#26

2-Nitrophenol

Concen: 19.98 ng

RT: 9.77 min Scan# 1137

Delta R.T. 0.00 min

Lab File: BM009329.D

Acq: 22 Mar 2017 21:47

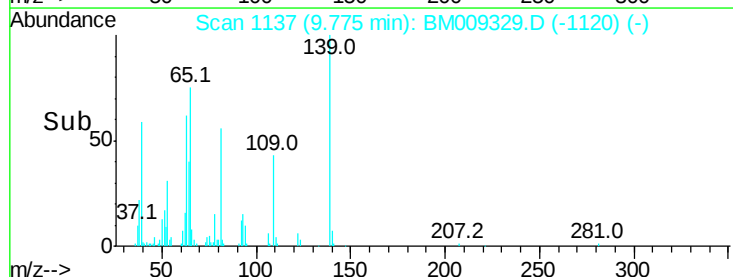
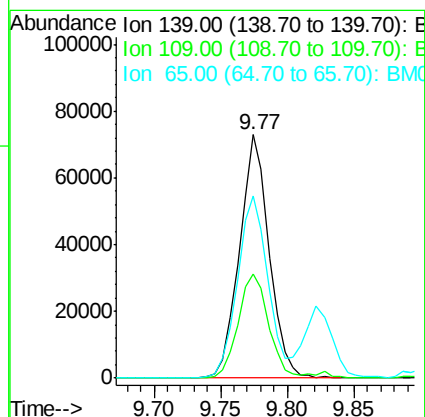
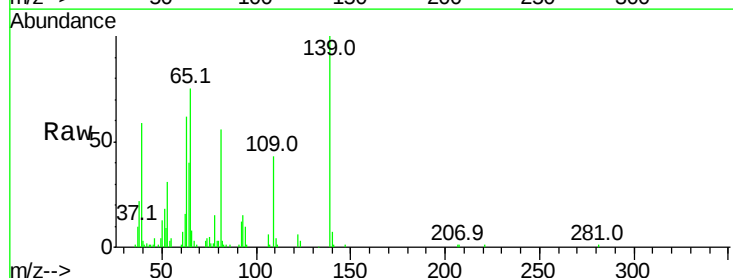
Tgt Ion: 139 Resp: 111800

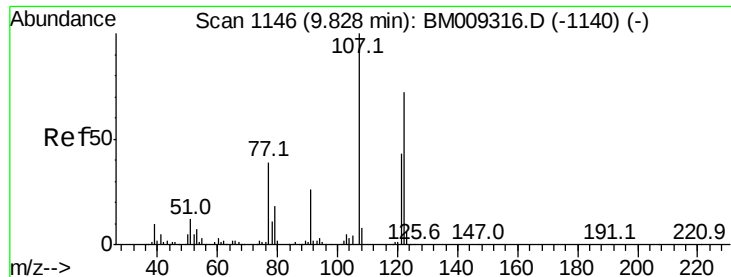
Ion Ratio Lower Upper

139 100

109 43.0 20.1 30.1#

65 74.6 31.5 47.3#





#27

2,4-Dimethylphenol

Concen: 19.38 ng

RT: 9.83 min Scan# 1146

Delta R.T. 0.00 min

Lab File: BM009329.D

Acq: 22 Mar 2017 21:47

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2017

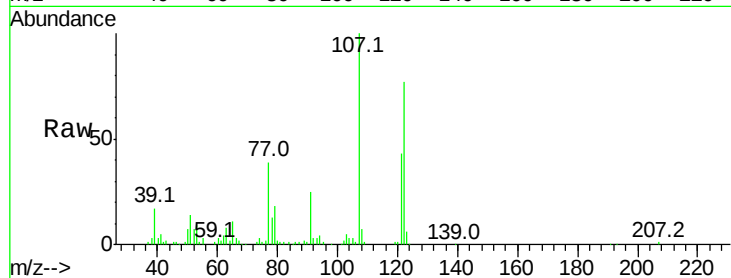
Tot Ion:122 Resp: 198390

Ion Ratio Lower Upper

122 100

107 129.6 84.7 127.1#

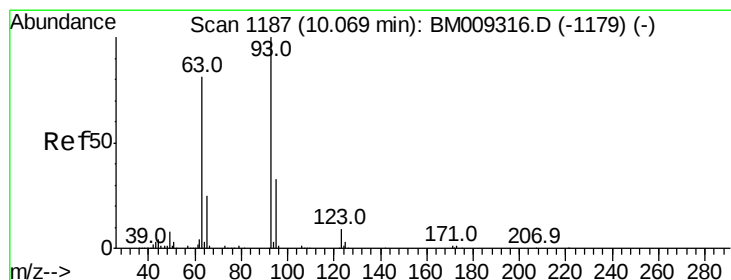
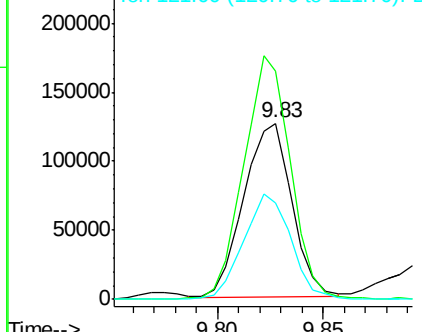
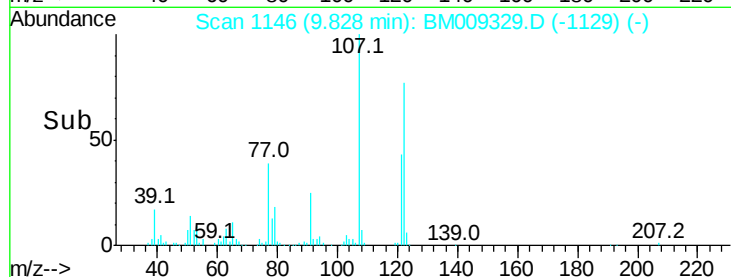
121 55.1 46.6 69.8



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 19.30 ng

RT: 10.07 min Scan# 1187

Delta R.T. 0.00 min

Lab File: BM009329.D

Acq: 22 Mar 2017 21:47

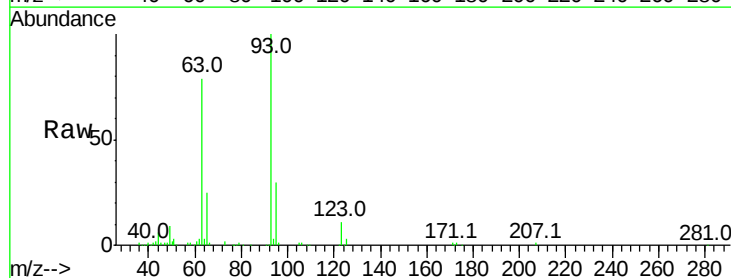
Tgt Ion: 93 Resp: 345220

Ion Ratio Lower Upper

93 100

95 30.0 25.5 38.3

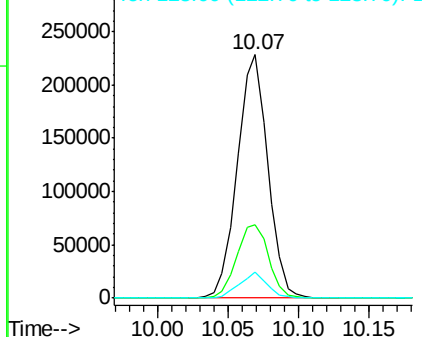
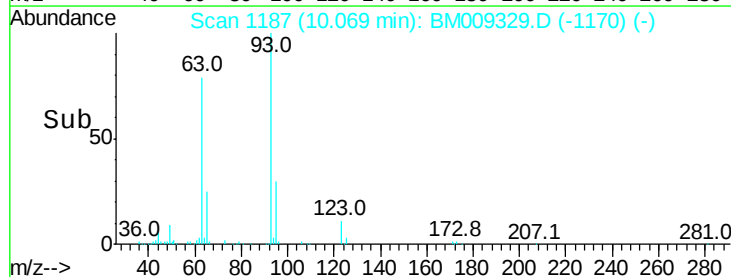
123 10.7 8.6 13.0

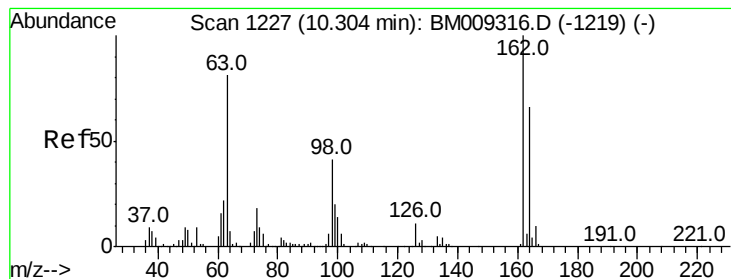


Abundance Ion 93.00 (92.70 to 93.70): BM0

Ion 95.00 (94.70 to 95.70): BM0

Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 20.13 ng

RT: 10.30 min Scan# 1226

Delta R.T. -0.01 min

Lab File: BM009329.D

Acq: 22 Mar 2017 21:47

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2017

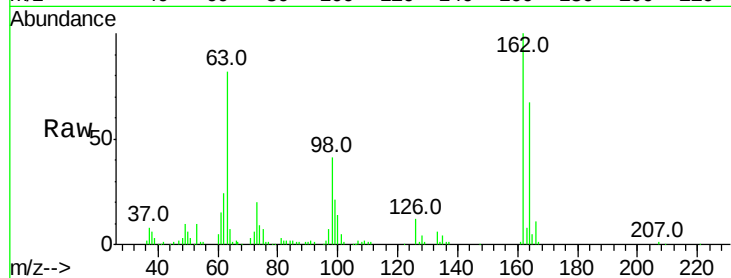
Tot Ion:162 Resp: 215504

Ion Ratio Lower Upper

162 100

164 66.9 42.8 82.8

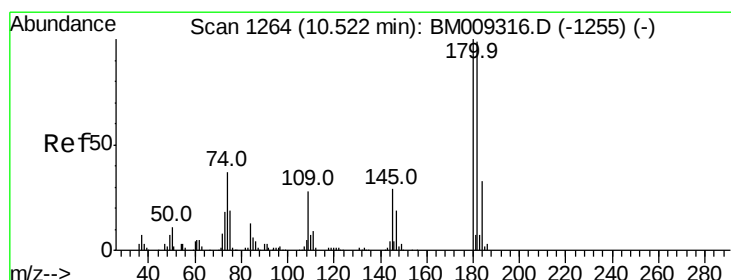
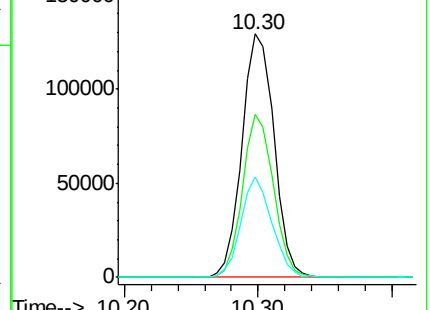
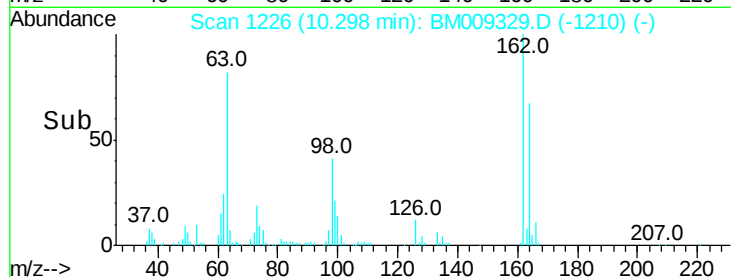
98 41.4 14.5 54.5



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BM



#30

1,2,4-Trichlorobenzene

Concen: 19.58 ng

RT: 10.52 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BM009329.D

Acq: 22 Mar 2017 21:47

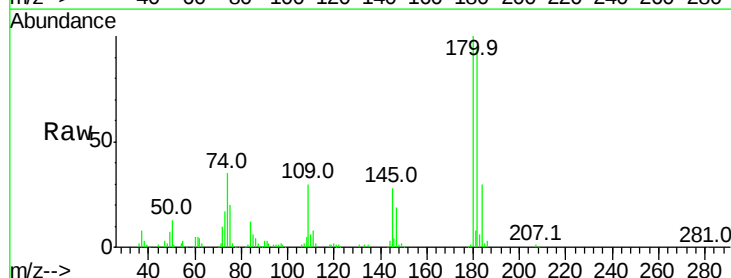
Tgt Ion:180 Resp: 260096

Ion Ratio Lower Upper

180 100

182 94.9 77.6 116.4

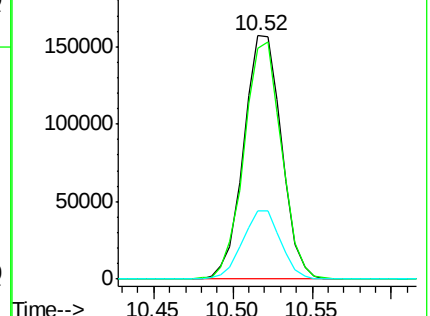
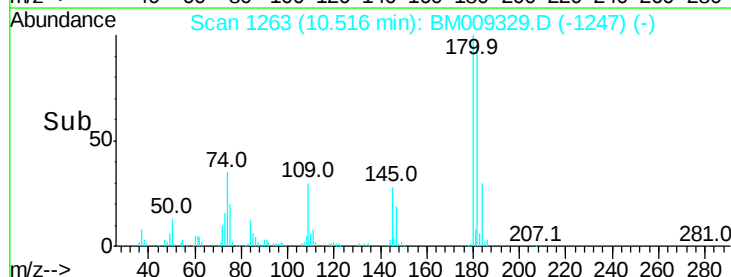
145 27.9 23.4 35.2

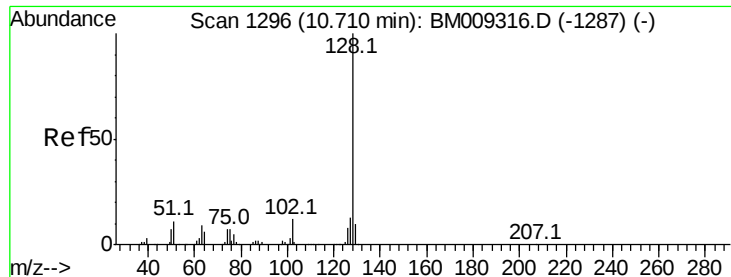


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

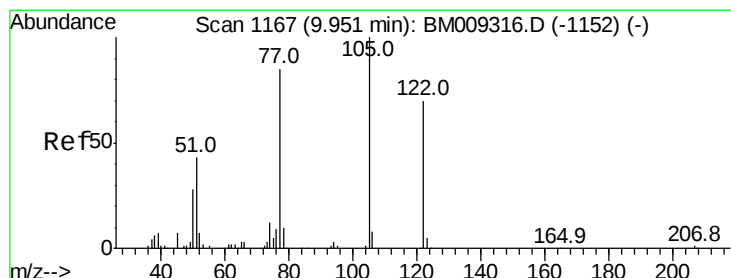
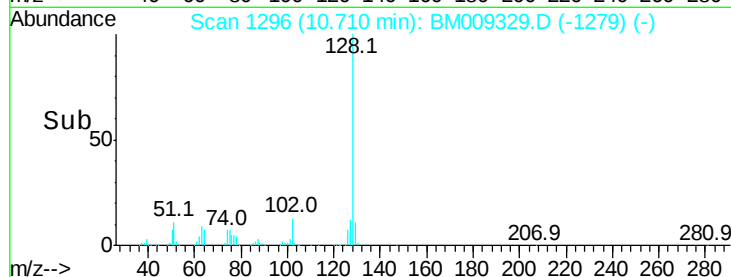
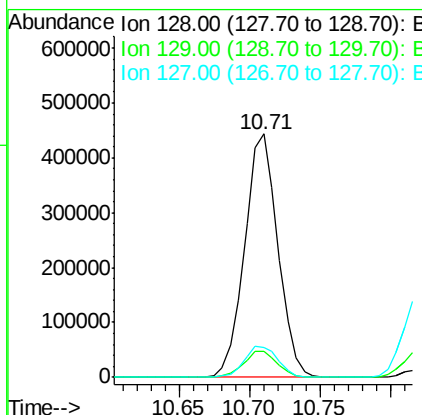
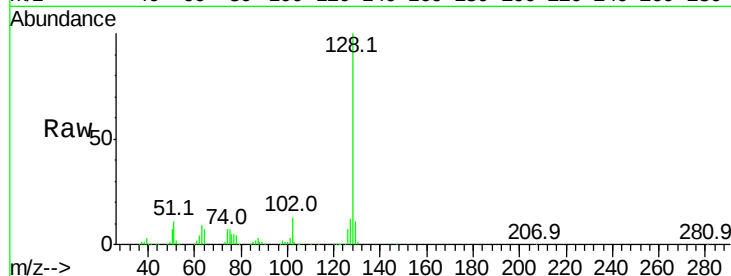




#31
Naphthalene
Concen: 19.43 ng
RT: 10.71 min Scan# 1296
Delta R.T. 0.00 min
Lab File: BM009329.D
Acq: 22 Mar 2017 21:47

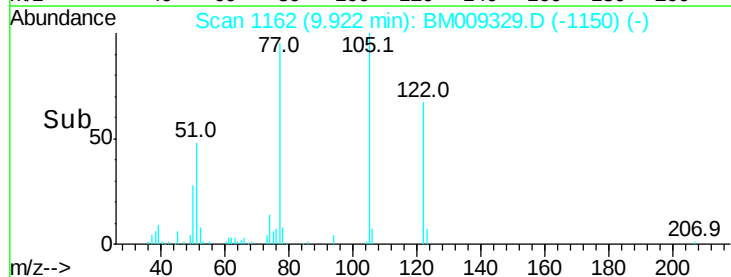
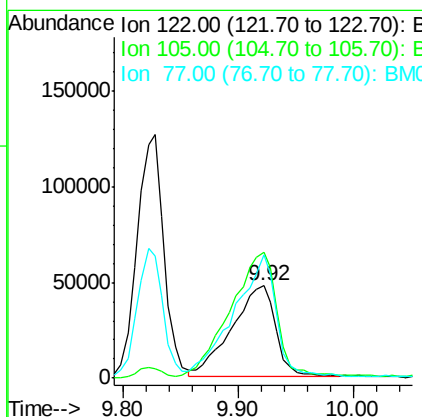
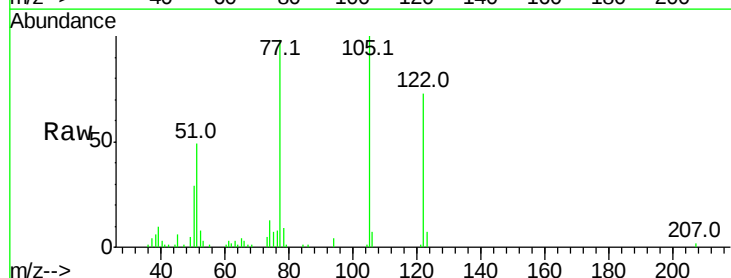
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2017

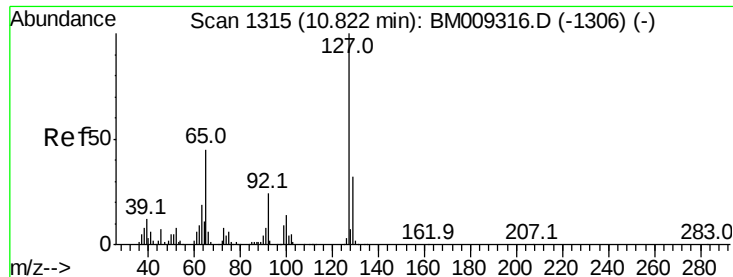
Tot Ion	Ratio	Lower	Upper
128	100		
129	10.5	8.9	13.3
127	12.4	10.4	15.6



#32
Benzoic acid
Concen: 18.26 ng
RT: 9.92 min Scan# 1162
Delta R.T. -0.03 min
Lab File: BM009329.D
Acq: 22 Mar 2017 21:47

Tgt Ion	Ratio	Lower	Upper
122	100		
105	136.1	99.9	139.9
77	133.8	73.7	113.7#

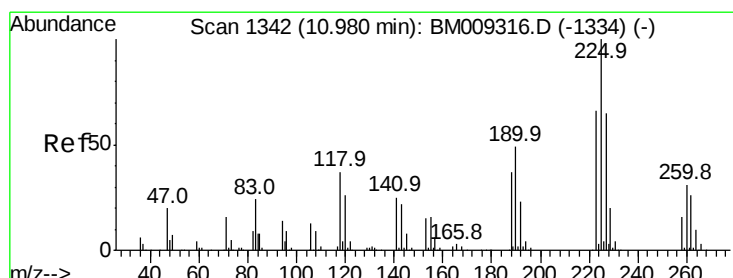
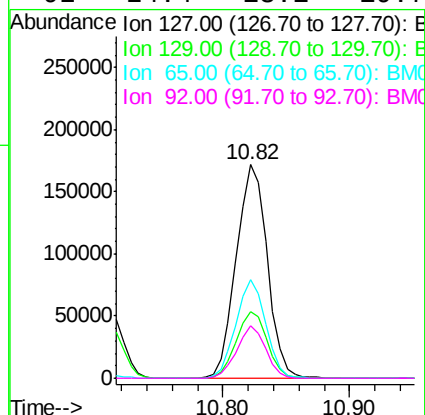
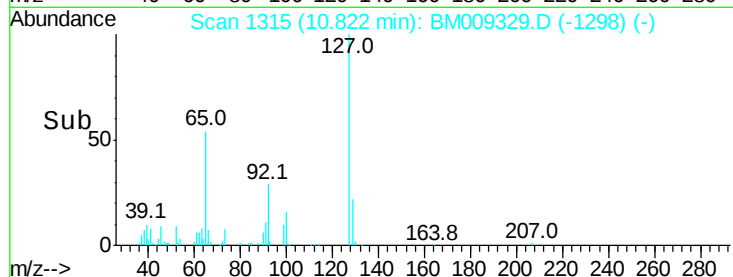
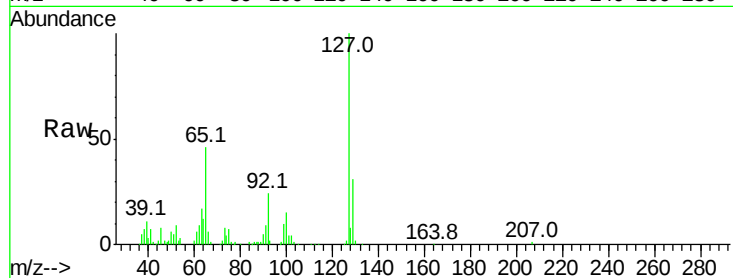




#33
4-Chloroaniline
Concen: 20.00 ng
RT: 10.82 min Scan# 1315
Delta R.T. 0.00 min
Lab File: BM009329.D
Acq: 22 Mar 2017 21:47

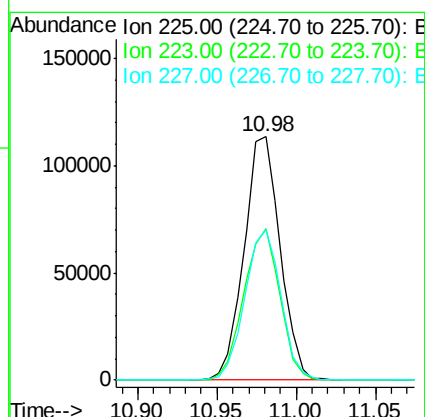
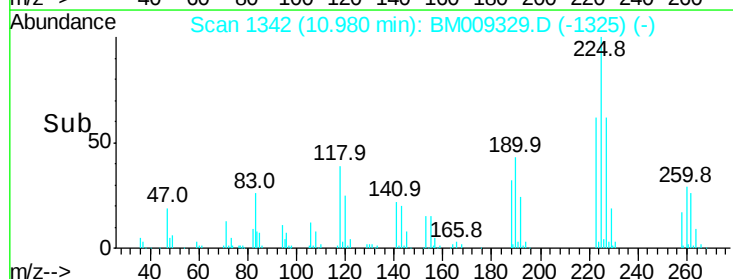
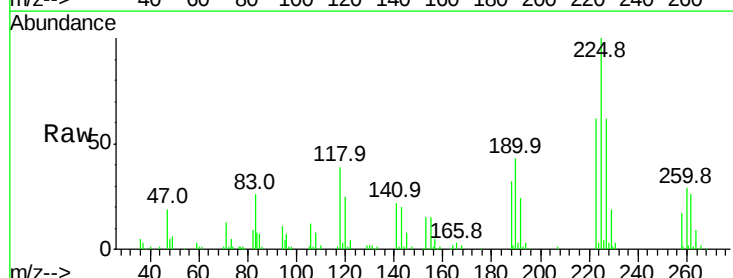
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2017

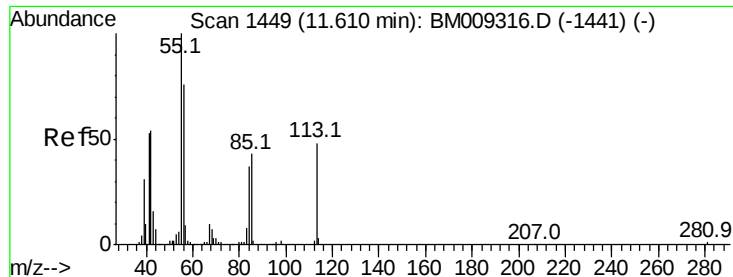
Tot Ion	Ratio	Lower	Upper
127	100		
129	31.0	25.3	37.9
65	45.9	17.6	26.4
92	24.4	13.1	19.7



#34
Hexachlorobutadiene
Concen: 19.75 ng
RT: 10.98 min Scan# 1342
Delta R.T. 0.00 min
Lab File: BM009329.D
Acq: 22 Mar 2017 21:47

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	47.9	71.9
227	61.5	50.1	75.1





#35

Caprolactam

Concen: 19.30 ng

RT: 11.60 min Scan# 1447

Delta R.T. -0.01 min

Lab File: BM009329.D

Acq: 22 Mar 2017 21:47

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2017

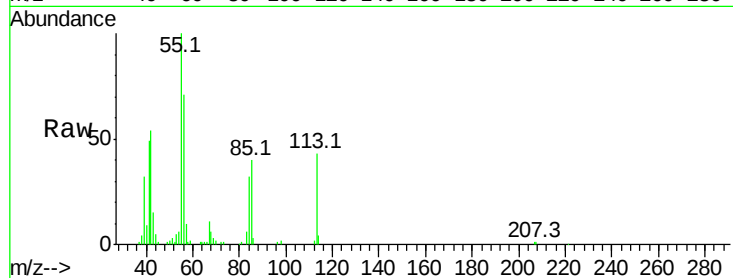
Tot Ion:113 Resp: 63080

Ion Ratio Lower Upper

113 100

55 231.5 145.9 185.9#

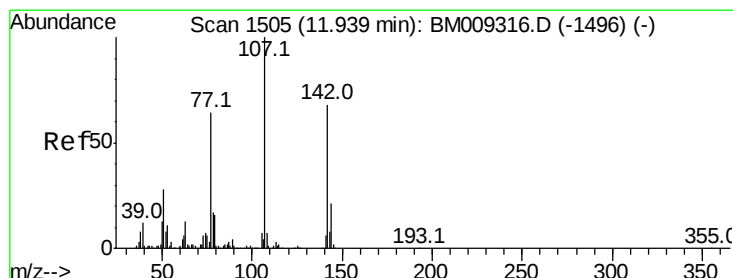
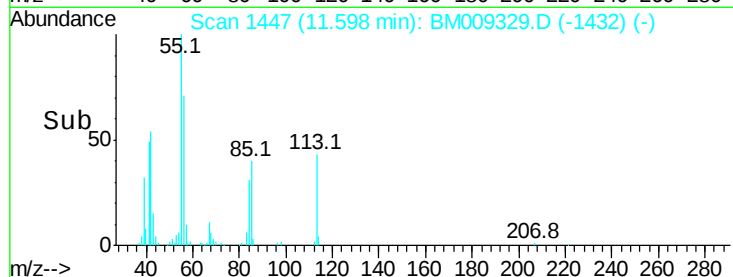
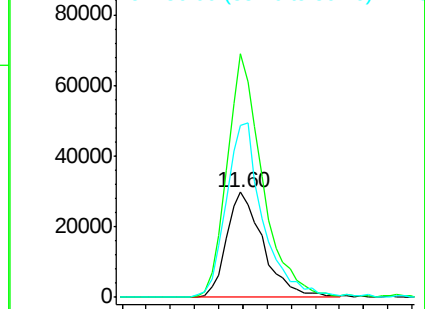
56 163.9 101.0 141.0#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM0

Ion 56.00 (55.70 to 56.70): BM0



#36

4-Chloro-3-methylphenol

Concen: 19.70 ng

RT: 11.93 min Scan# 1504

Delta R.T. -0.01 min

Lab File: BM009329.D

Acq: 22 Mar 2017 21:47

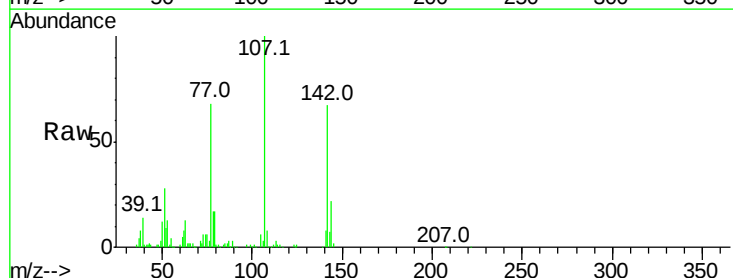
Tgt Ion:107 Resp: 238542

Ion Ratio Lower Upper

107 100

144 21.6 23.3 34.9#

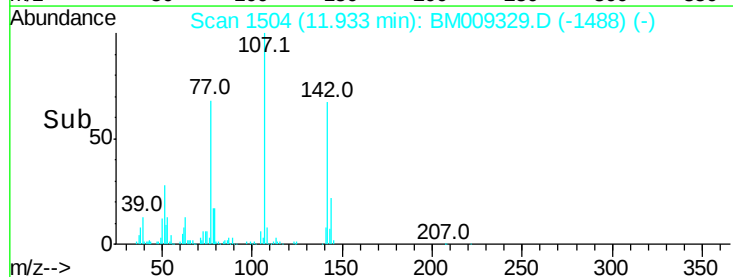
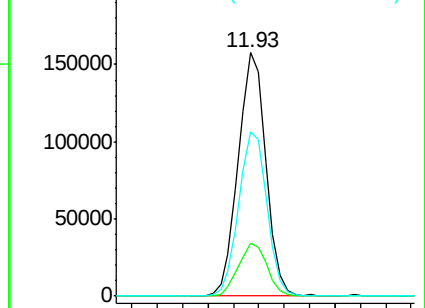
142 67.2 72.6 109.0#

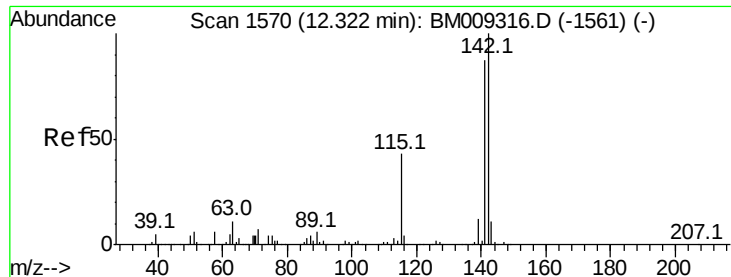


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

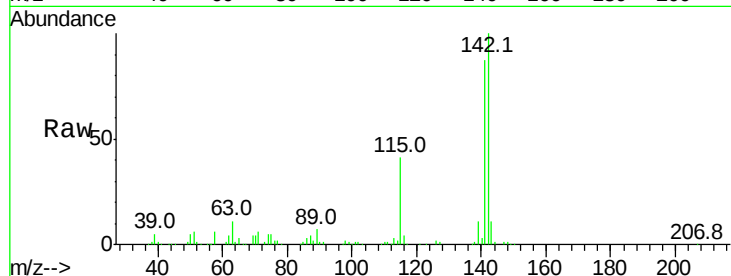




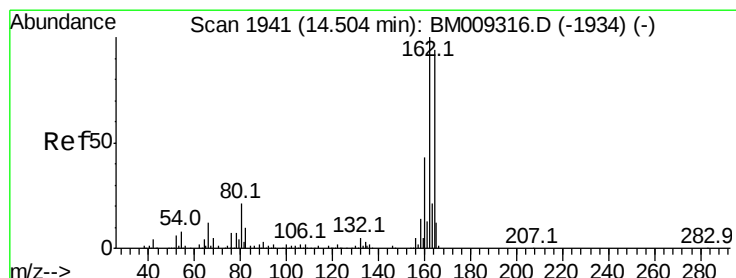
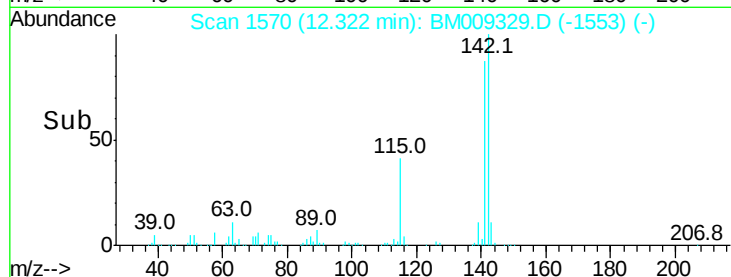
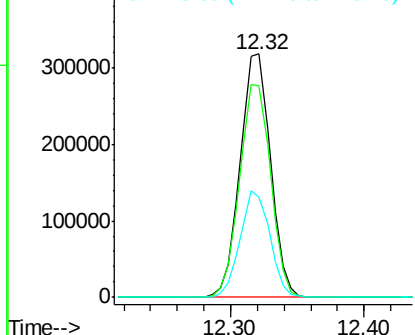
#37
2-Methylnaphthalene
Concen: 19.32 ng
RT: 12.32 min Scan# 1570
Delta R.T. 0.00 min
Lab File: BM009329.D
Acq: 22 Mar 2017 21:47

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2017

Tot Ion:142 Resp: 502624
Ion Ratio Lower Upper
142 100
141 87.1 71.9 107.9
115 41.4 25.4 38.0#

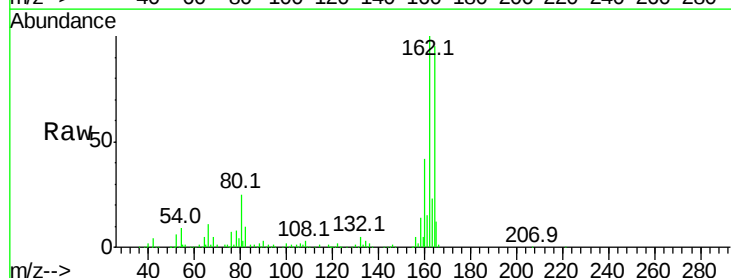


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

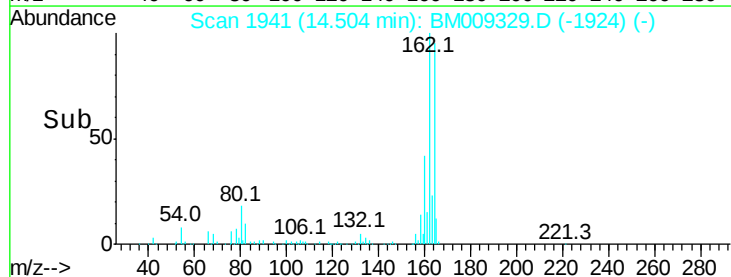
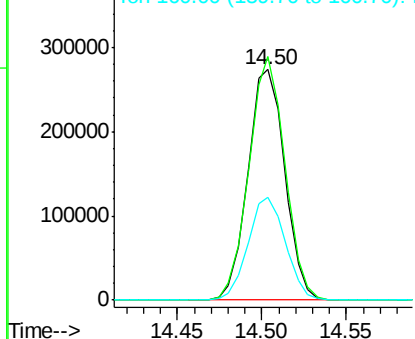


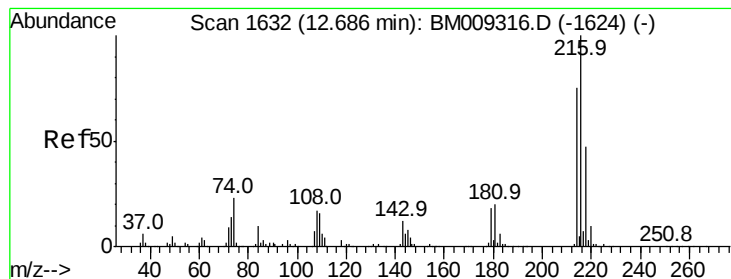
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.50 min Scan# 1941
Delta R.T. 0.00 min
Lab File: BM009329.D
Acq: 22 Mar 2017 21:47

Tgt Ion:164 Resp: 415505
Ion Ratio Lower Upper
164 100
162 105.8 82.4 123.6
160 44.8 35.8 53.6



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





#39

1,2,4,5-Tetrachlorobenzene

Concen: 19.87 ng

RT: 12.69 min Scan# 1632

Delta R.T. 0.00 min

Lab File: BM009329.D

Acq: 22 Mar 2017 21:47

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2017

Tot Ion:216 Resp: 311673

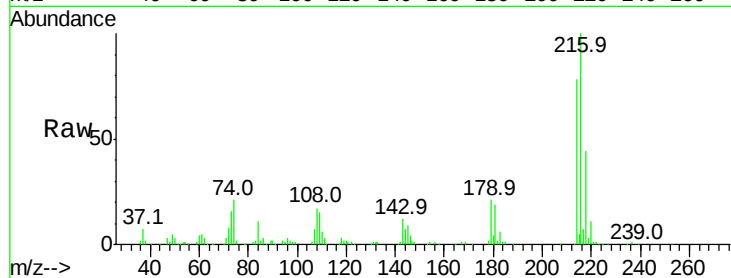
Ion Ratio Lower Upper

216 100

214 77.9 0.0 0.0#

179 20.4 0.0 0.0#

108 21.0 0.0 0.0#

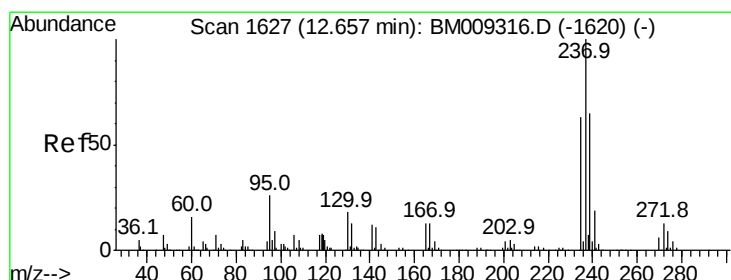
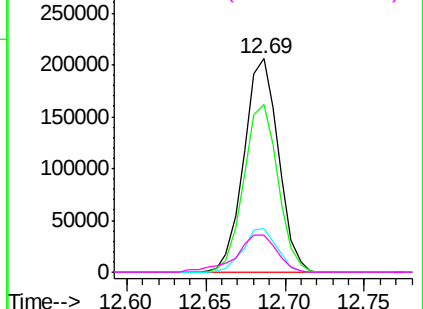
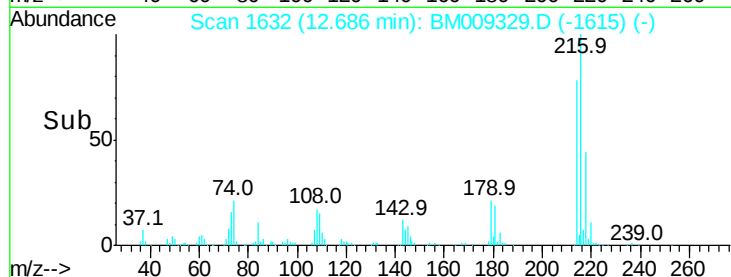


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 18.84 ng

RT: 12.66 min Scan# 1627

Delta R.T. 0.00 min

Lab File: BM009329.D

Acq: 22 Mar 2017 21:47

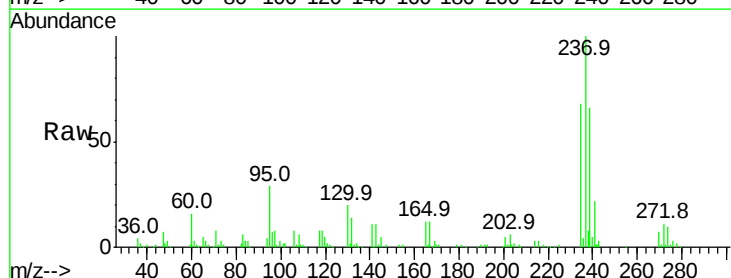
Tgt Ion:237 Resp: 169587

Ion Ratio Lower Upper

237 100

235 68.1 42.0 82.0

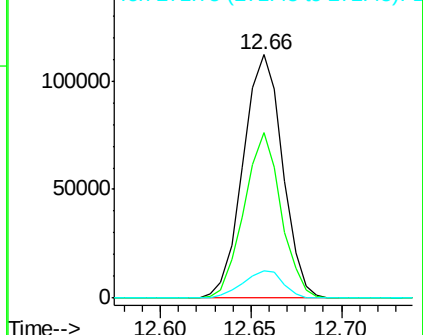
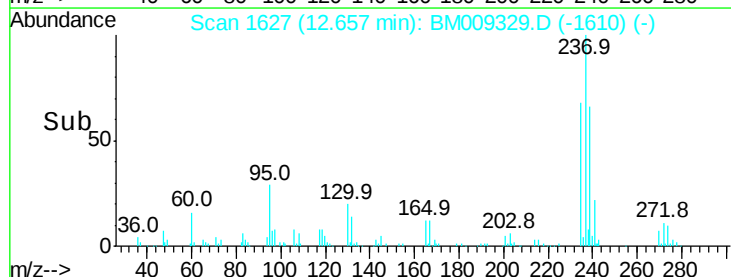
272 11.3 0.0 33.4

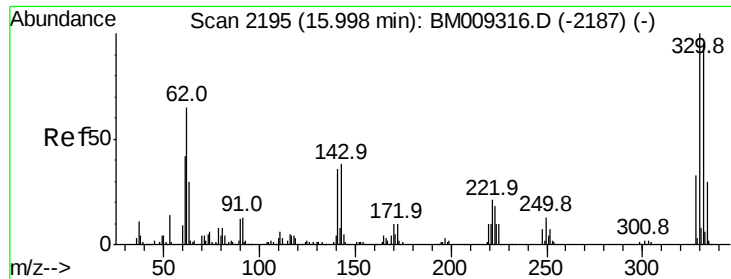


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

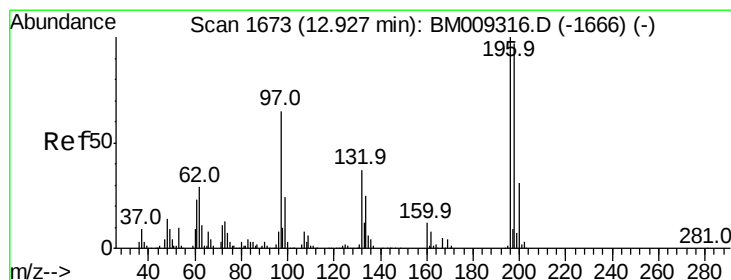
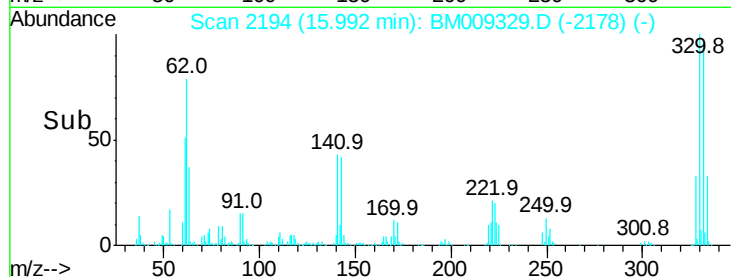
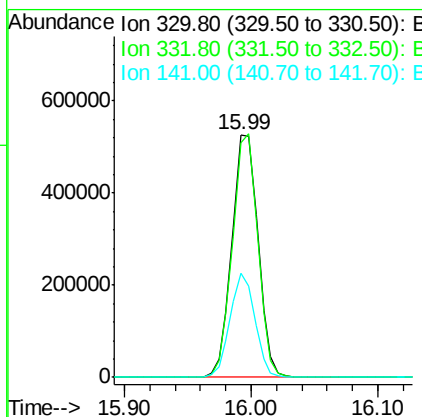
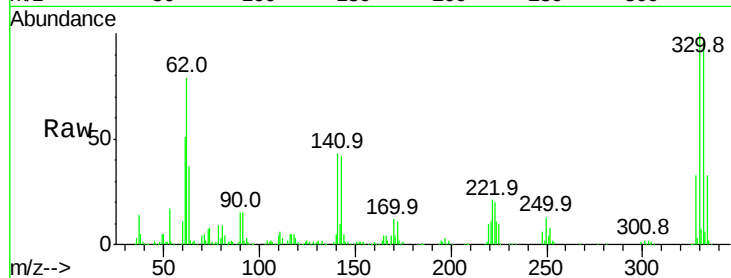




#41
2,4,6-Tribromophenol
Concen: 145.51 ng
RT: 15.99 min Scan# 2194
Delta R.T. -0.01 min
Lab File: BM009329.D
Acq: 22 Mar 2017 21:47

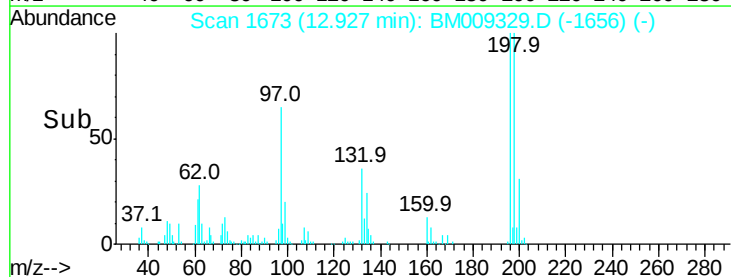
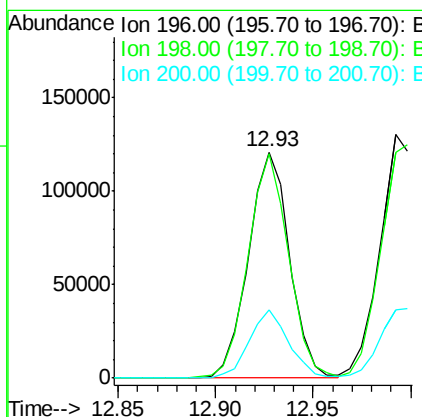
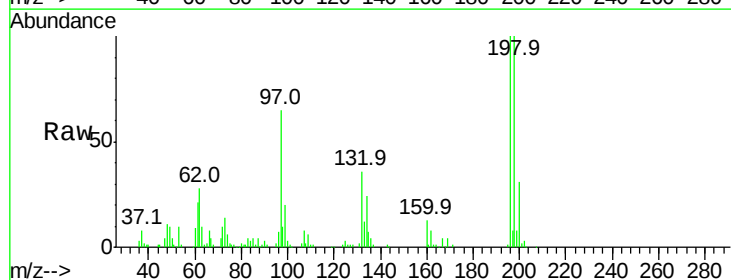
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2017

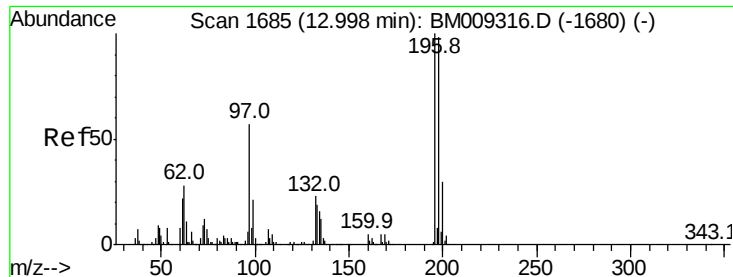
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	0.0	0.0#
141	40.7	0.0	0.0#



#42
2,4,6-Trichlorophenol
Concen: 19.67 ng
RT: 12.93 min Scan# 1673
Delta R.T. 0.00 min
Lab File: BM009329.D
Acq: 22 Mar 2017 21:47

Tgt Ion	Ratio	Lower	Upper
196	100		
198	99.6	76.3	114.5
200	30.5	25.6	38.4

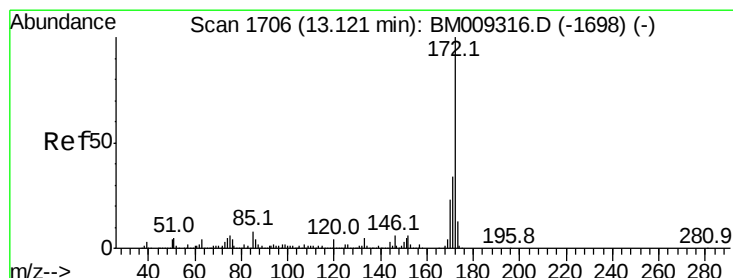
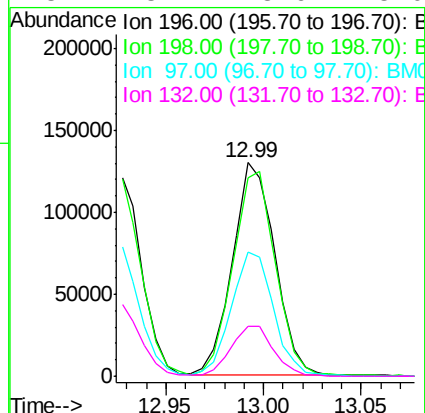
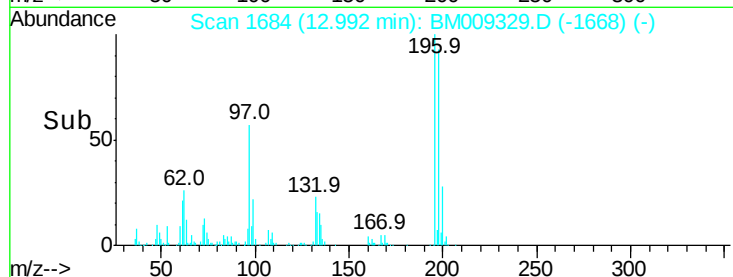
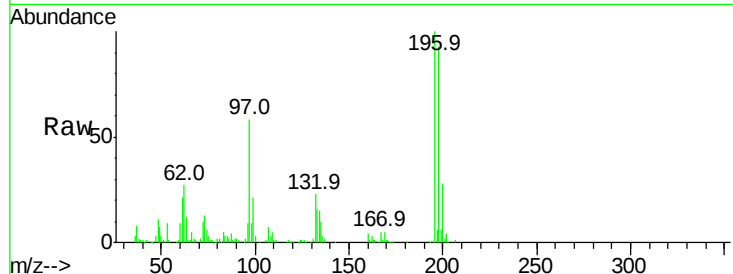




#43
2,4,5-Trichlorophenol
Concen: 19.54 ng
RT: 12.99 min Scan# 1684
Delta R.T. -0.01 min
Lab File: BM009329.D
Acq: 22 Mar 2017 21:47

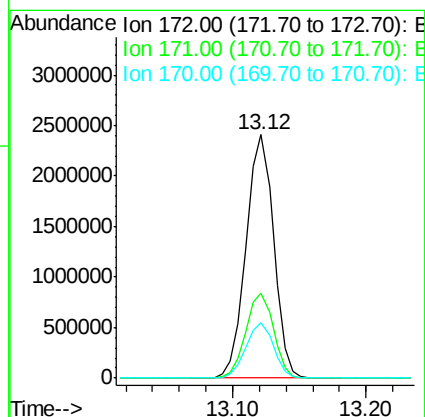
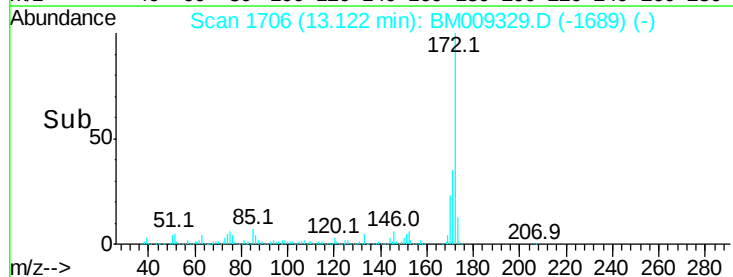
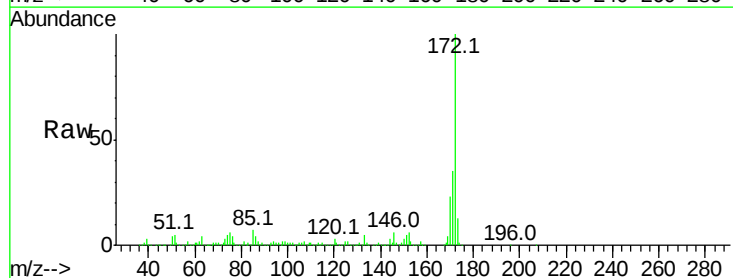
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2017

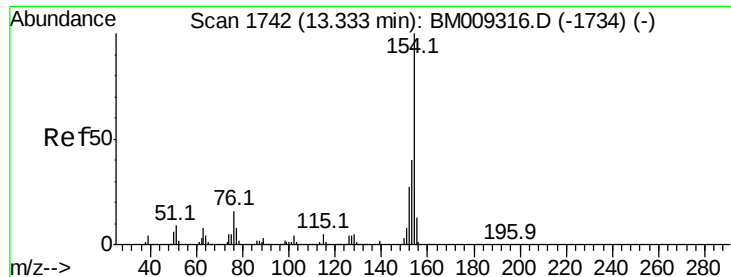
Tot Ion	Ratio	Lower	Upper
196	100		
198	92.7	79.4	119.0
97	57.8	26.8	40.2#
132	23.4	18.6	28.0



#44
2-Fluorobiphenyl
Concen: 99.46 ng
RT: 13.12 min Scan# 1706
Delta R.T. 0.00 min
Lab File: BM009329.D
Acq: 22 Mar 2017 21:47

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.5	42.7
170	22.6	18.8	28.2

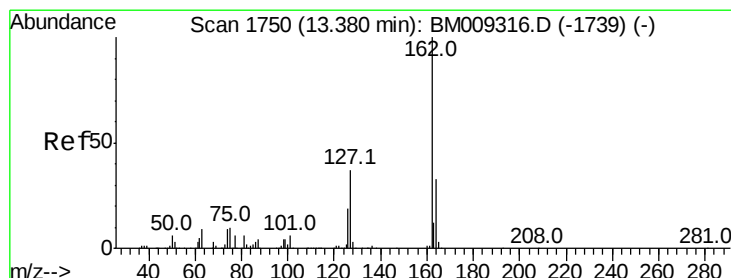
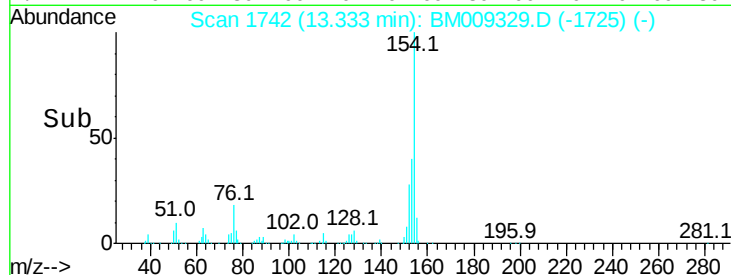
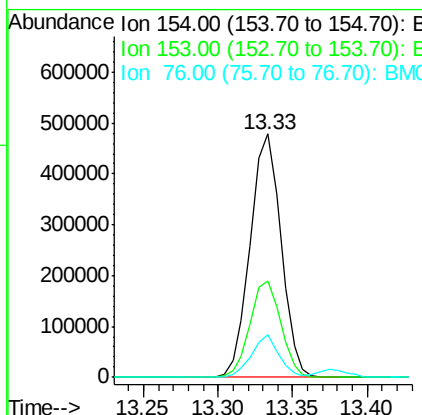
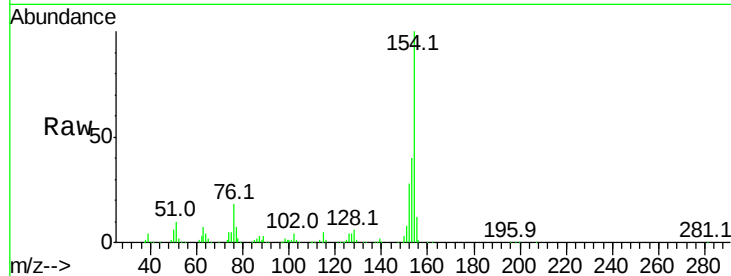




#45
 1,1'-Biphenyl
 Concen: 19.77 ng
 RT: 13.33 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: BM009329.D
 Acq: 22 Mar 2017 21:47

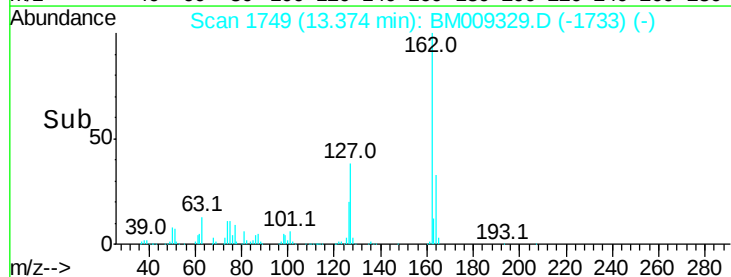
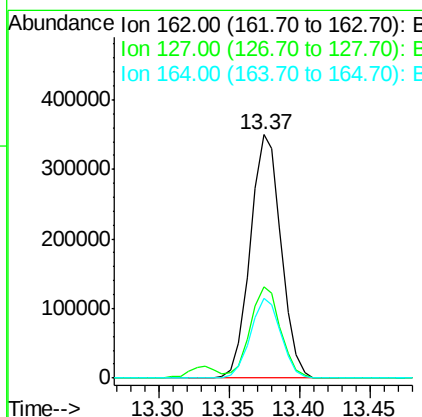
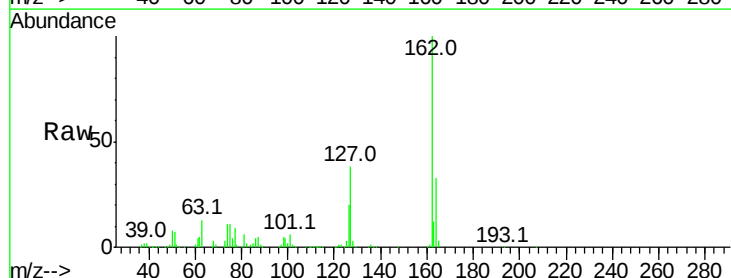
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT2-2017

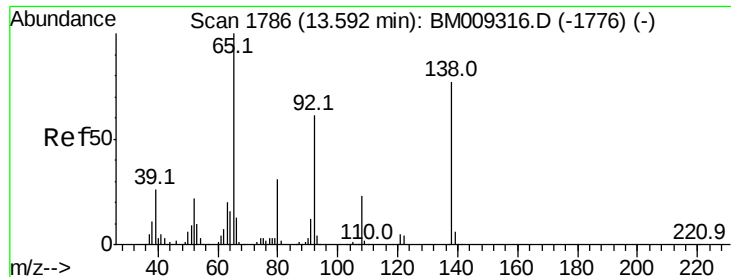
Tot Ion:154 Resp: 683579
 Ion Ratio Lower Upper
 154 100
 153 39.7 20.7 60.7
 76 17.7 0.0 30.9



#46
 2-Chloronaphthalene
 Concen: 19.92 ng
 RT: 13.37 min Scan# 1749
 Delta R.T. -0.01 min
 Lab File: BM009329.D
 Acq: 22 Mar 2017 21:47

Tgt Ion:162 Resp: 535112
 Ion Ratio Lower Upper
 162 100
 127 37.5 26.9 40.3
 164 32.9 26.8 40.2





#47

2-Nitroaniline

Concen: 18.97 ng

RT: 13.59 min Scan# 1785

Delta R.T. -0.01 min

Lab File: BM009329.D

Acq: 22 Mar 2017 21:47

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2017

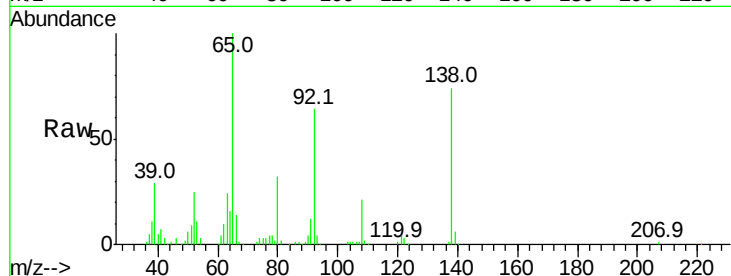
Tot Ion: 65 Resp: 187721

Ion Ratio Lower Upper

65 100

92 63.6 59.1 88.7

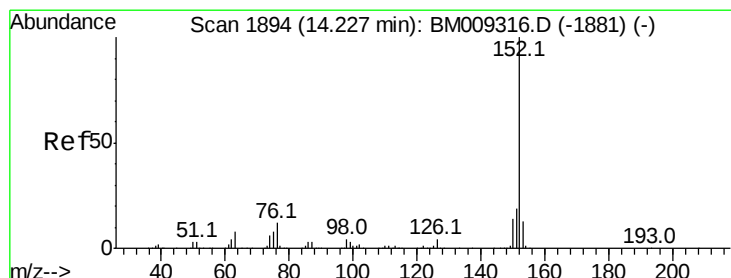
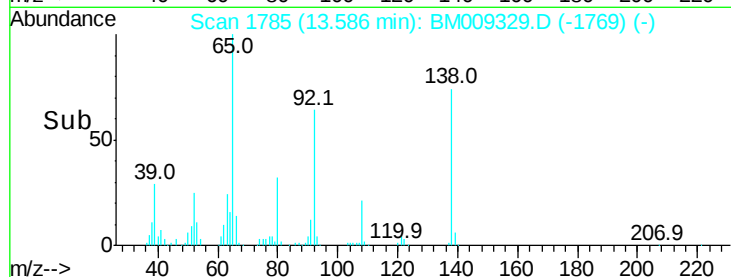
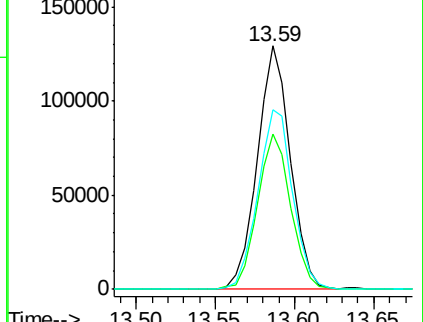
138 73.7 93.9 140.9#



Abundance Ion 65.00 (64.70 to 65.70): BM009316.D (-1776) (-)

Ion 92.00 (91.70 to 92.70): BM009316.D (-1776) (-)

Ion 138.00 (137.70 to 138.70): BM009316.D (-1776) (-)



#48

Acenaphthylene

Concen: 19.96 ng

RT: 14.23 min Scan# 1894

Delta R.T. 0.00 min

Lab File: BM009329.D

Acq: 22 Mar 2017 21:47

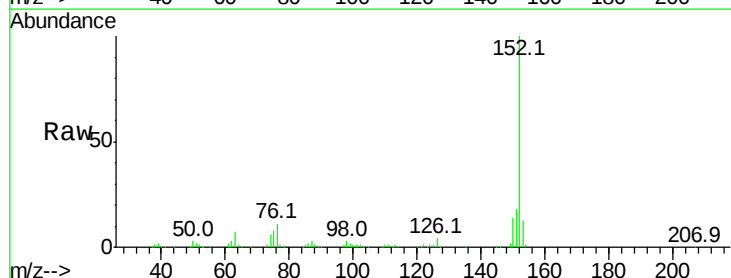
Tgt Ion:152 Resp: 873302

Ion Ratio Lower Upper

152 100

151 18.4 15.9 23.9

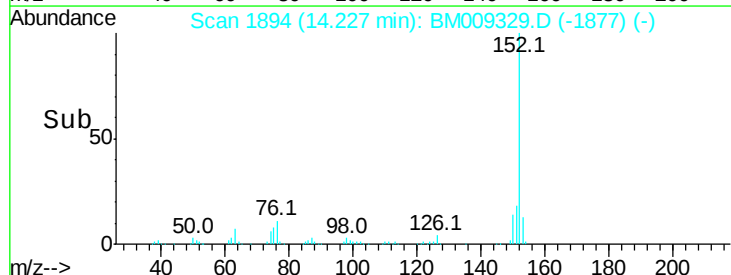
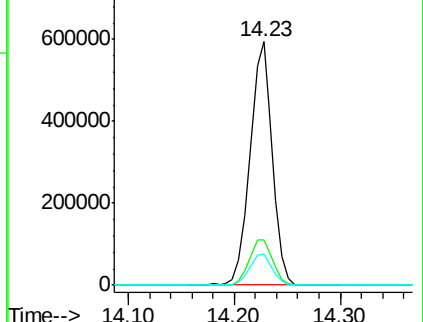
153 12.7 10.6 16.0

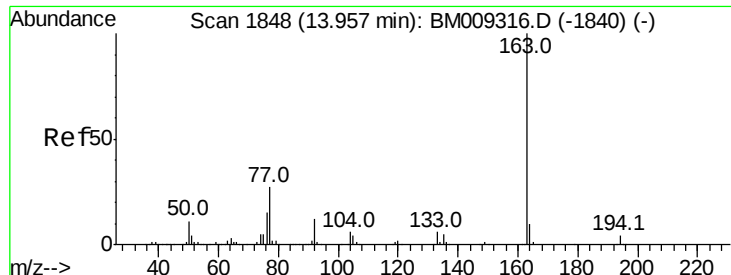


Abundance Ion 152.00 (151.70 to 152.70): BM009316.D (-1881) (-)

Ion 151.00 (150.70 to 151.70): BM009316.D (-1881) (-)

Ion 153.00 (152.70 to 153.70): BM009316.D (-1881) (-)

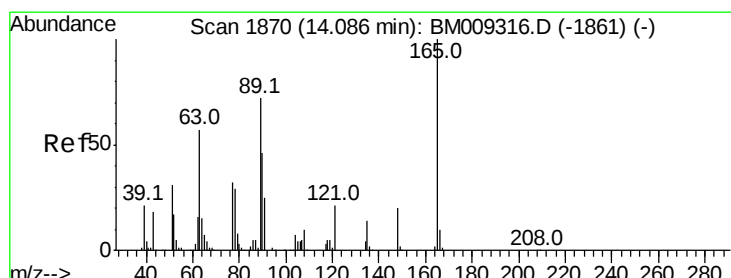
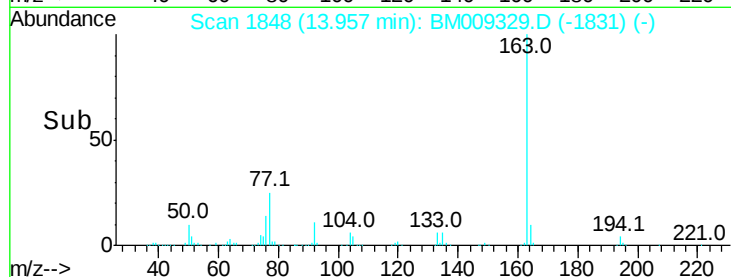
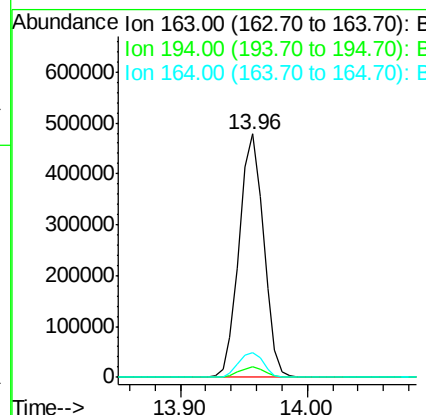
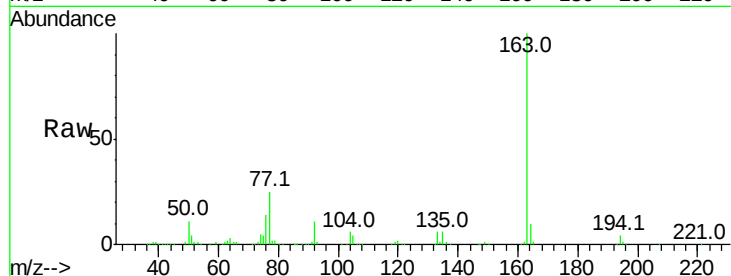




#49
Dimethylphthalate
Concen: 19.96 ng
RT: 13.96 min Scan# 1848
Delta R.T. 0.00 min
Lab File: BM009329.D
Acq: 22 Mar 2017 21:47

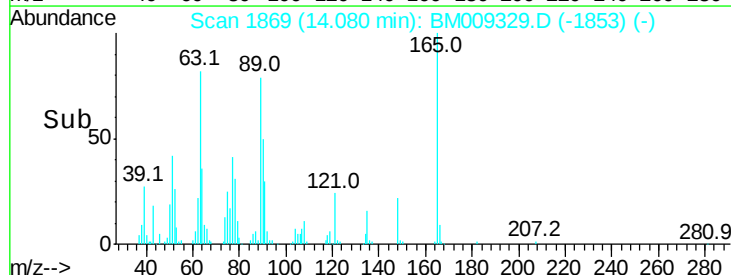
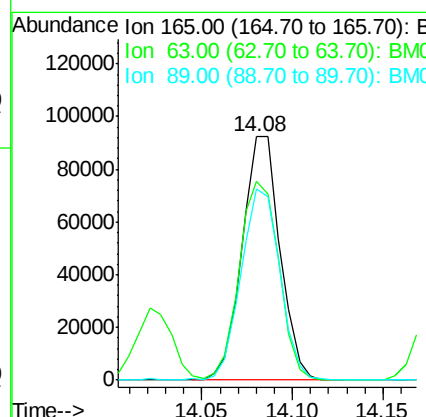
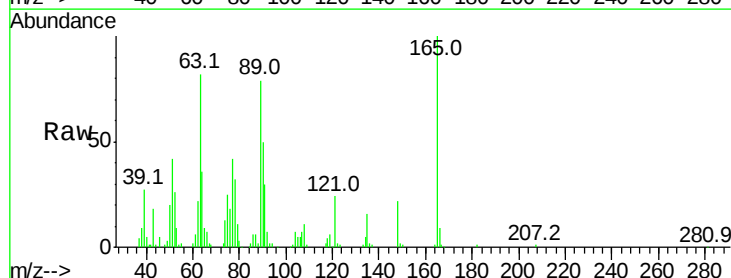
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2017

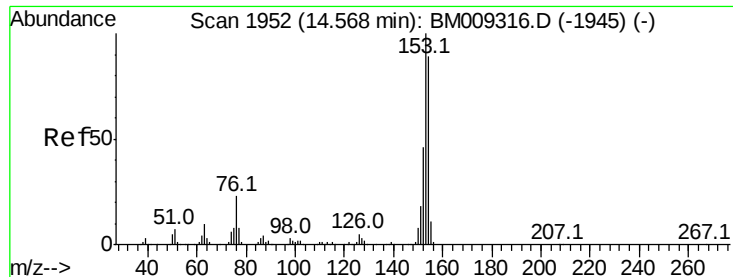
Tot Ion:163 Resp: 636739
Ion Ratio Lower Upper
163 100
194 4.4 2.7 4.1#
164 10.2 8.2 12.2



#50
2,6-Dinitrotoluene
Concen: 19.57 ng
RT: 14.08 min Scan# 1869
Delta R.T. -0.01 min
Lab File: BM009329.D
Acq: 22 Mar 2017 21:47

Tgt Ion:165 Resp: 134568
Ion Ratio Lower Upper
165 100
63 81.6 44.1 66.1#
89 78.5 44.3 66.5#





#51

Acenaphthene

Concen: 19.59 ng

RT: 14.57 min Scan# 1952

Delta R.T. 0.00 min

Lab File: BM009329.D

Acq: 22 Mar 2017 21:47

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2017

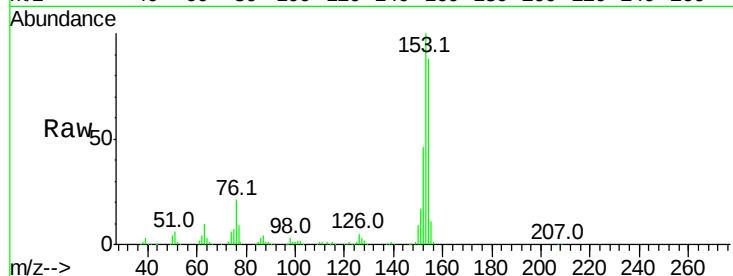
Tot Ion:154 Resp: 517202

Ion Ratio Lower Upper

154 100

153 113.1 90.0 135.0

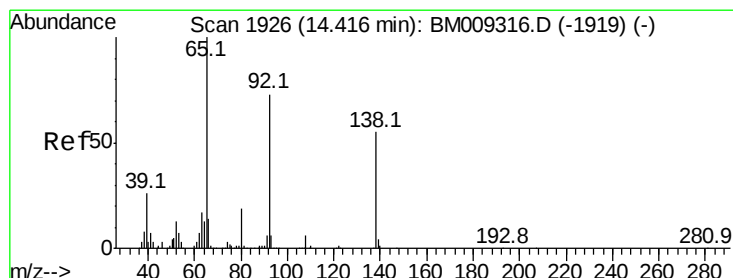
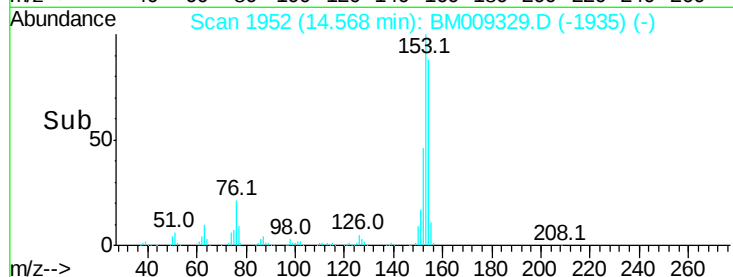
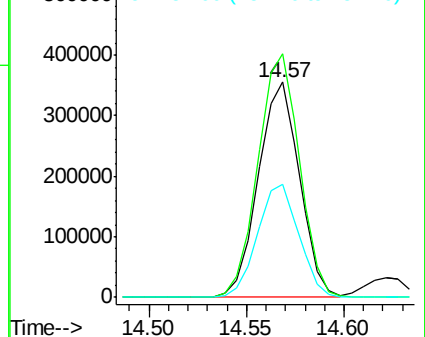
152 52.6 42.6 63.8



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



#52

3-Nitroaniline

Concen: 19.85 ng

RT: 14.42 min Scan# 1926

Delta R.T. 0.00 min

Lab File: BM009329.D

Acq: 22 Mar 2017 21:47

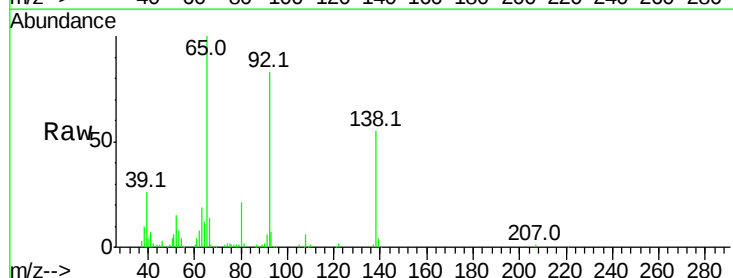
Tgt Ion:138 Resp: 134442

Ion Ratio Lower Upper

138 100

108 11.1 7.3 10.9#

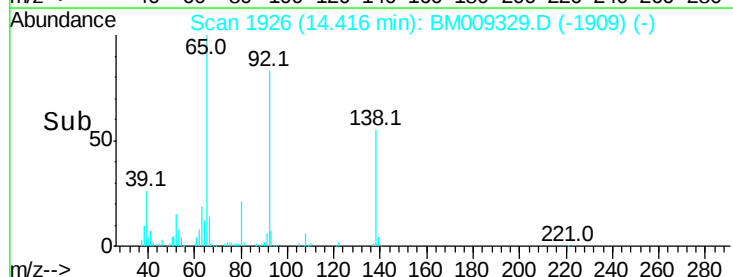
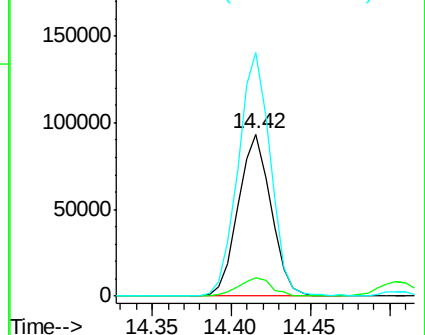
92 150.6 76.6 114.8#

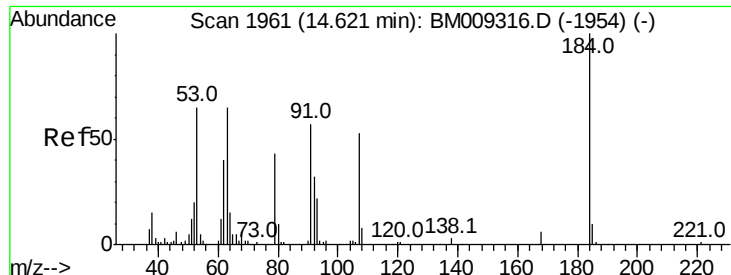


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BM

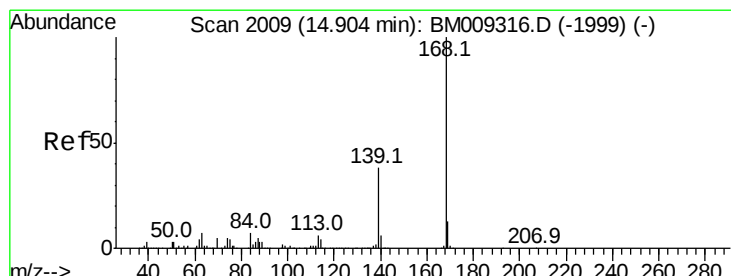
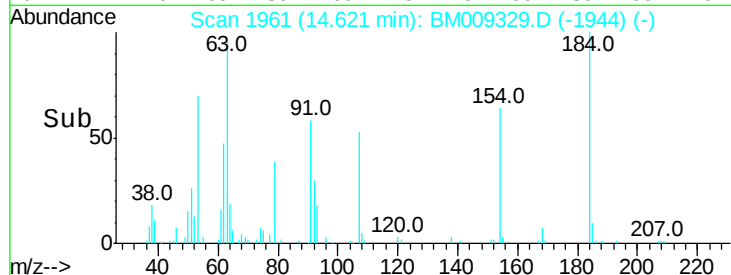
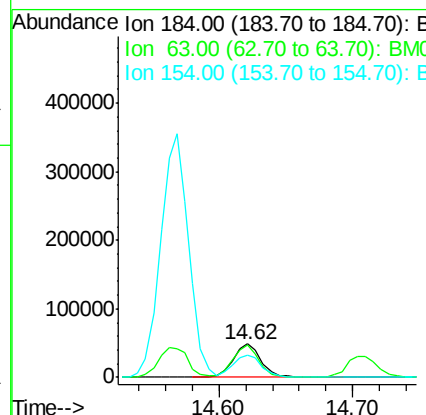
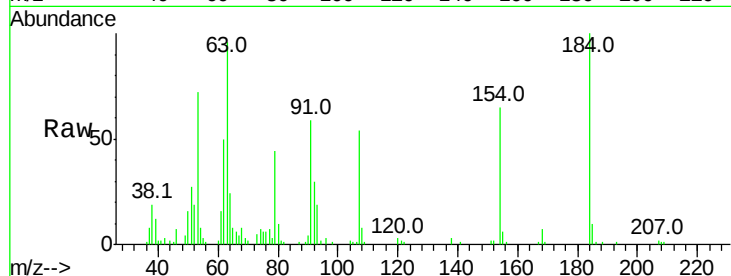




#53
 2,4-Dinitrophenol
 Concen: 19.65 ng
 RT: 14.62 min Scan# 1961
 Delta R.T. 0.00 min
 Lab File: BM009329.D
 Acq: 22 Mar 2017 21:47

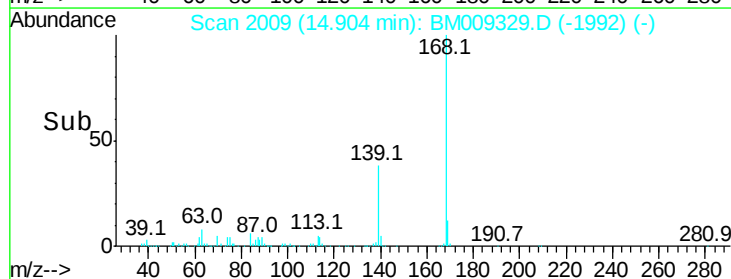
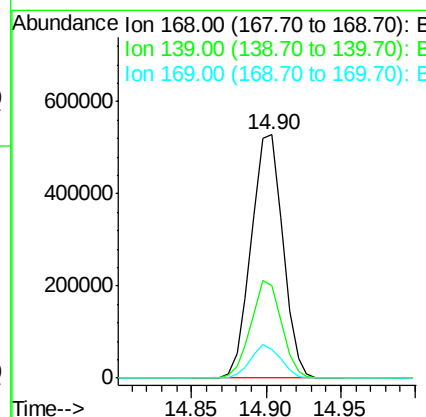
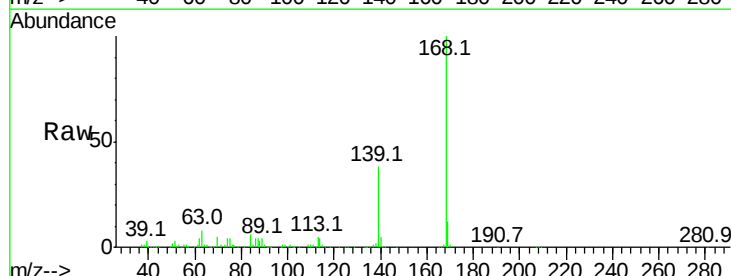
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT2-2017

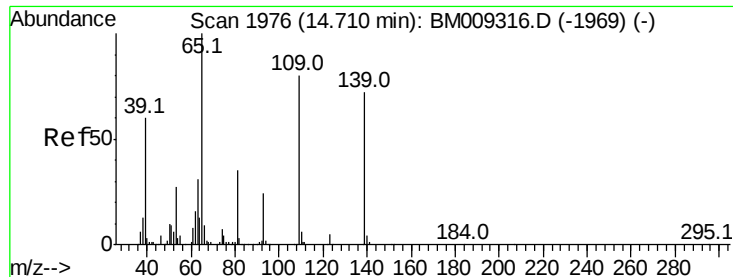
Tot Ion:184 Resp: 70568
 Ion Ratio Lower Upper
 184 100
 63 95.5 69.2 103.8
 154 65.1 53.3 79.9



#54
 Dibenzofuran
 Concen: 19.82 ng
 RT: 14.90 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: BM009329.D
 Acq: 22 Mar 2017 21:47

Tgt Ion:168 Resp: 773851
 Ion Ratio Lower Upper
 168 100
 139 38.2 27.3 40.9
 169 12.0 10.6 16.0

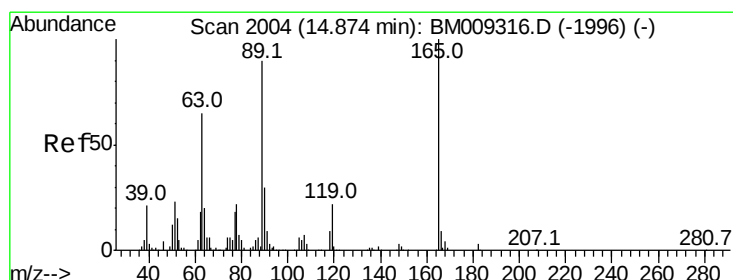
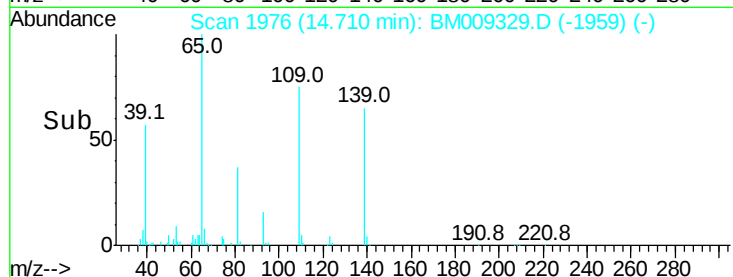
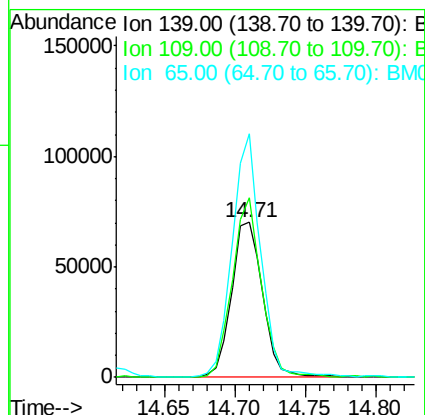
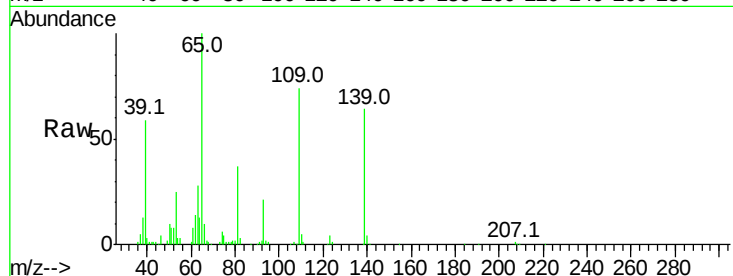




#55
4-Nitrophenol
Concen: 19.23 ng
RT: 14.71 min Scan# 1976
Delta R.T. 0.00 min
Lab File: BM009329.D
Acq: 22 Mar 2017 21:47

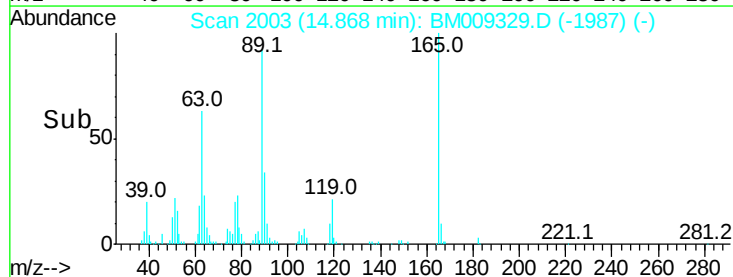
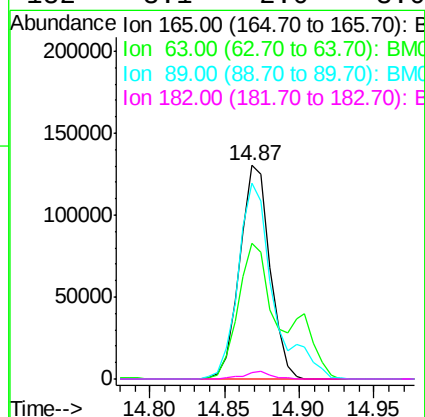
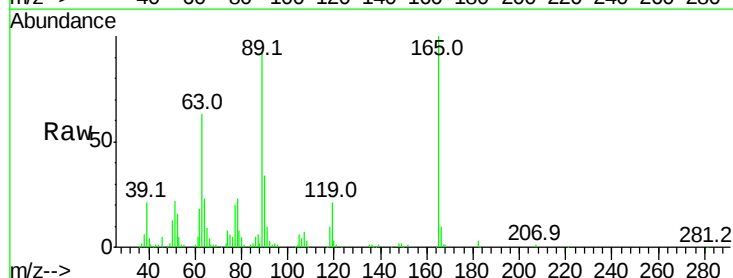
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2017

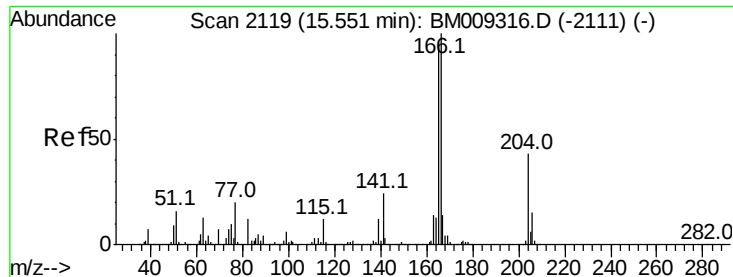
Tot Ion:139 Resp: 107632
Ion Ratio Lower Upper
139 100
109 115.8 37.7 77.7#
65 157.2 49.9 89.9#



#56
2,4-Dinitrotoluene
Concen: 19.72 ng
RT: 14.87 min Scan# 2003
Delta R.T. -0.01 min
Lab File: BM009329.D
Acq: 22 Mar 2017 21:47

Tgt Ion:165 Resp: 183462
Ion Ratio Lower Upper
165 100
63 63.3 52.4 78.6
89 91.8 72.4 108.6
182 3.1 2.0 3.0#





#57

Fluorene

Concen: 19.65 ng

RT: 15.55 min Scan# 2119

Delta R.T. 0.00 min

Lab File: BM009329.D

Acq: 22 Mar 2017 21:47

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2017

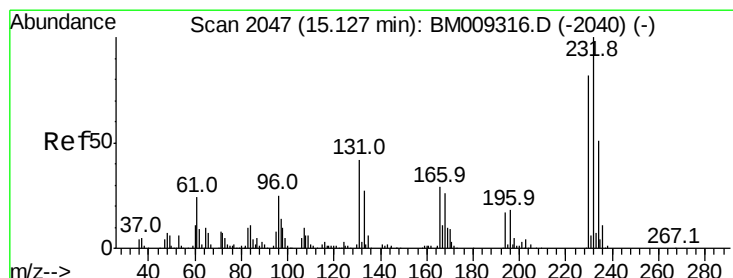
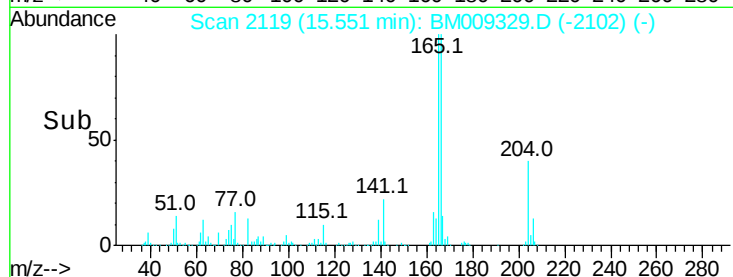
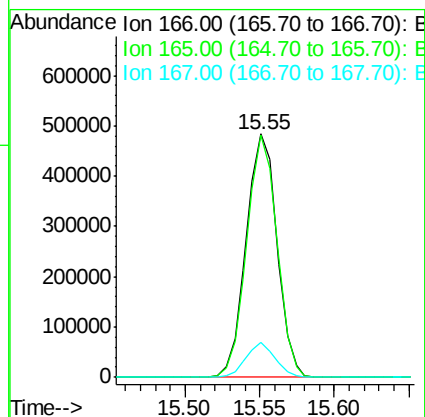
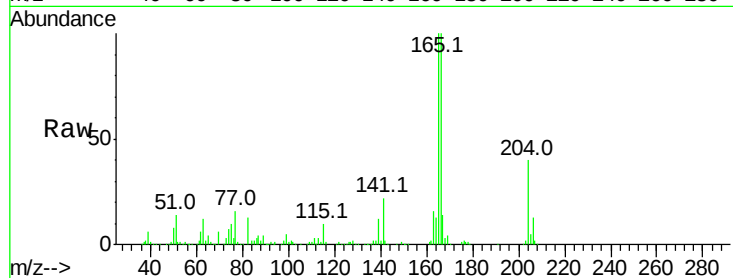
Tot Ion:166 Resp: 689512

Ion Ratio Lower Upper

166 100

165 99.5 79.0 118.4

167 14.1 10.3 15.5



#58

2,3,4,6-Tetrachlorophenol

Concen: 20.18 ng

RT: 15.12 min Scan# 2046

Delta R.T. -0.01 min

Lab File: BM009329.D

Acq: 22 Mar 2017 21:47

Tgt Ion:232 Resp: 170778

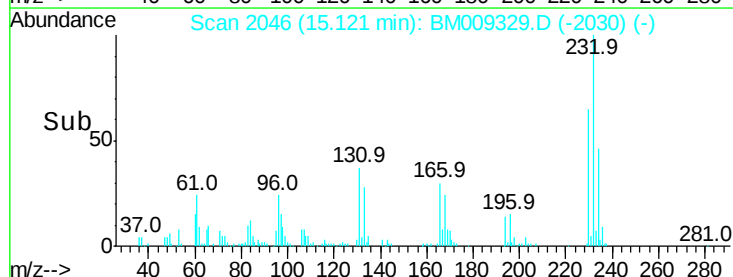
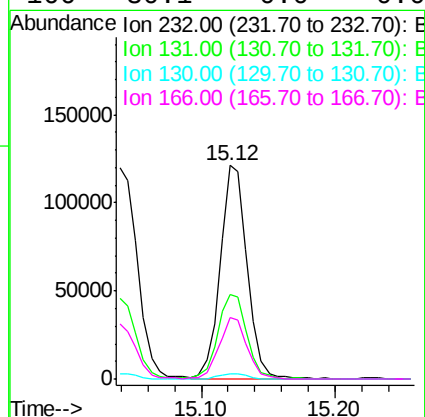
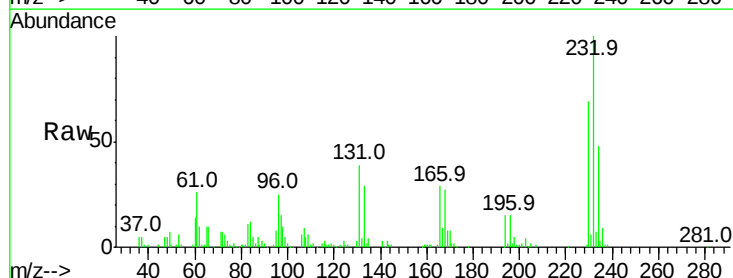
Ion Ratio Lower Upper

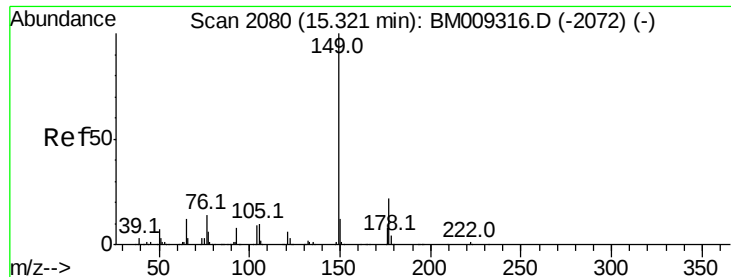
232 100

131 42.9 0.0 0.0#

130 2.6 0.0 0.0#

166 30.1 0.0 0.0#





#59

Diethylphthalate

Concen: 20.03 ng

RT: 15.32 min Scan# 2079

Delta R.T. -0.01 min

Lab File: BM009329.D

Acq: 22 Mar 2017 21:47

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2017

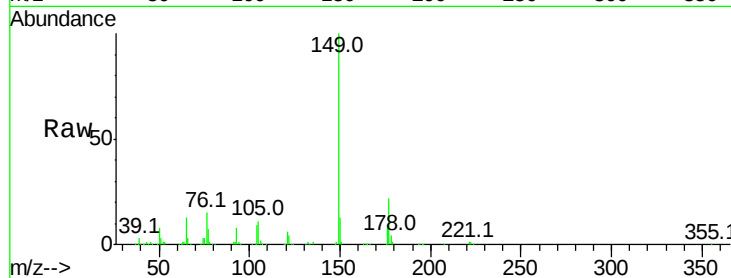
Tot Ion:149 Resp: 648212

Ion Ratio Lower Upper

149 100

177 21.5 18.3 27.5

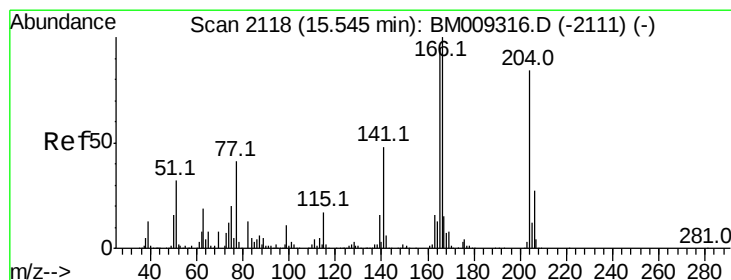
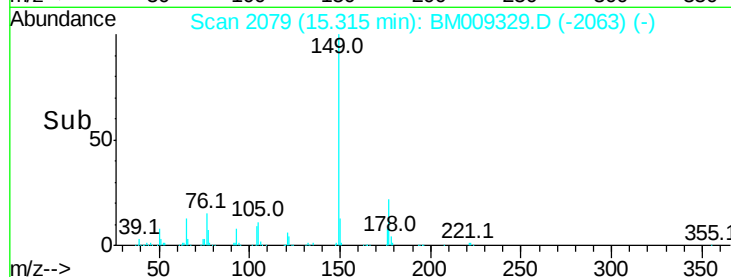
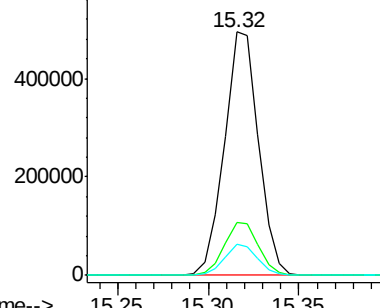
150 12.7 9.8 14.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 19.74 ng

RT: 15.54 min Scan# 2118

Delta R.T. 0.00 min

Lab File: BM009329.D

Acq: 22 Mar 2017 21:47

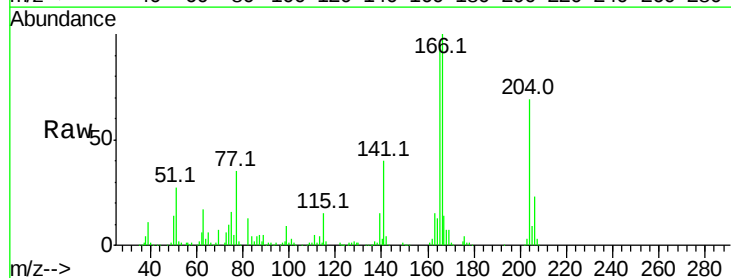
Tgt Ion:204 Resp: 361665

Ion Ratio Lower Upper

204 100

206 32.9 26.6 39.8

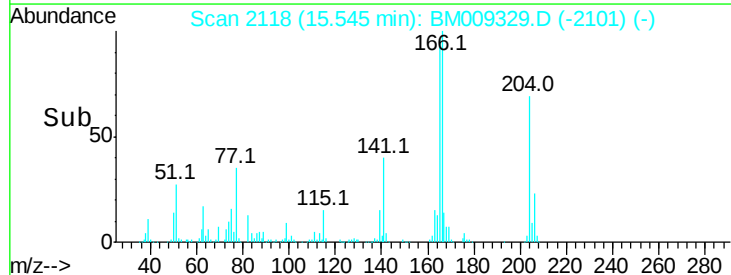
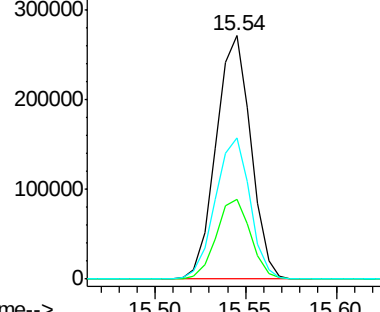
141 58.0 45.2 67.8

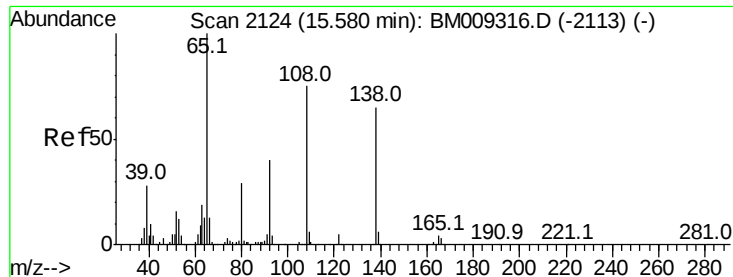


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

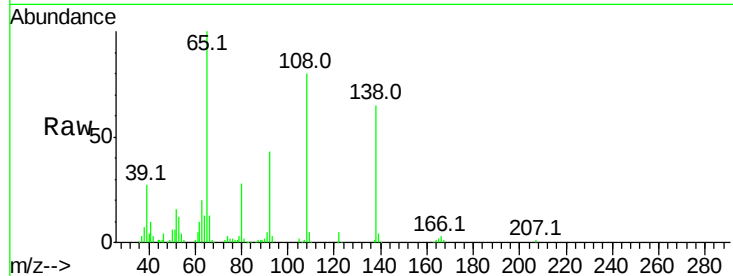




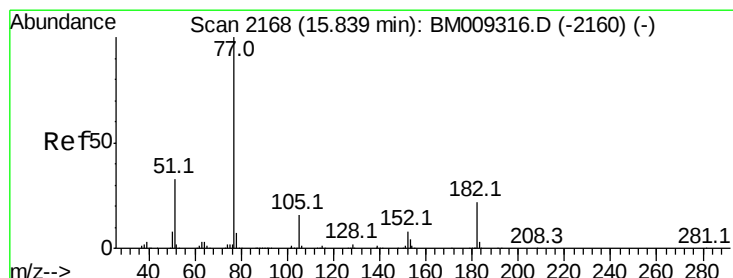
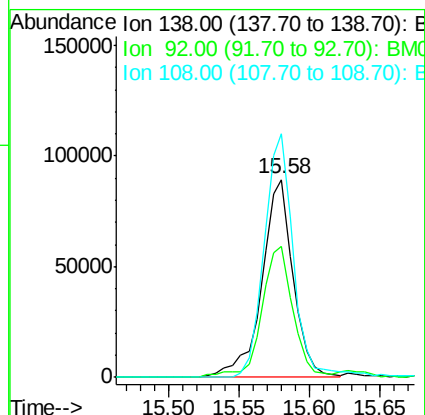
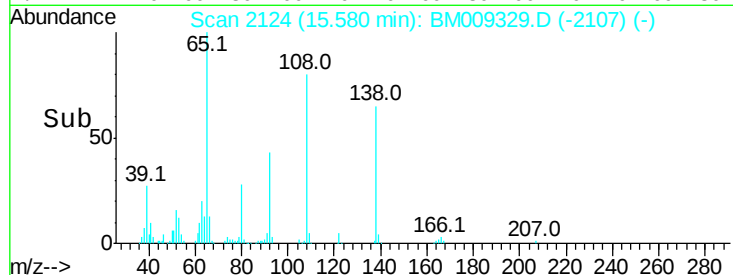
#61
4-Nitroaniline
Concen: 18.97 ng
RT: 15.58 min Scan# 2124
Delta R.T. 0.00 min
Lab File: BM009329.D
Acq: 22 Mar 2017 21:47

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2017

Tot Ion:138 Resp: 139529
Ion Ratio Lower Upper
138 100
92 66.6 16.7 56.7#
108 123.1 37.6 77.6#

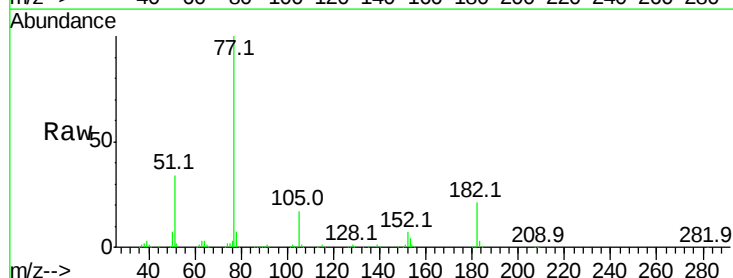


Abundance Ion 138.00 (137.70 to 138.70): E
150000
Ion 92.00 (91.70 to 92.70): BM
Ion 108.00 (107.70 to 108.70): E

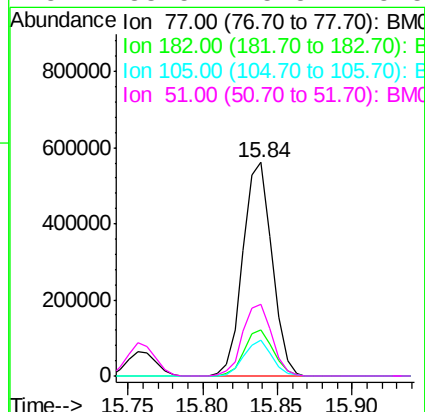
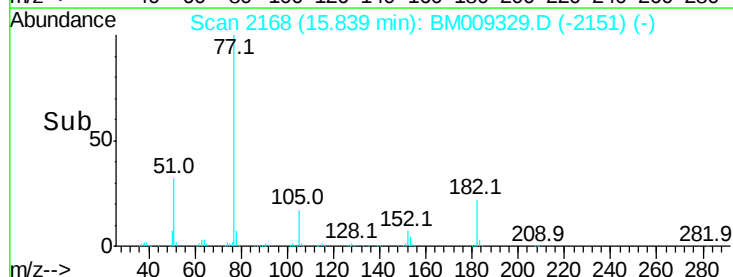


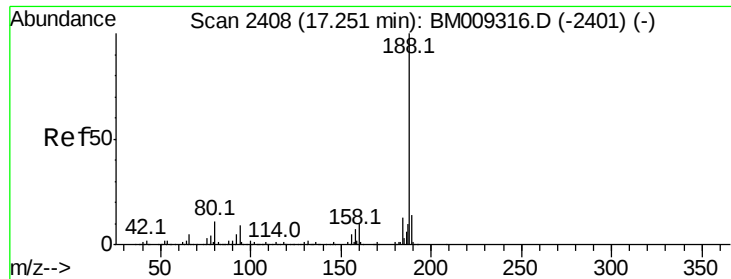
#62
Azobenzene
Concen: 20.10 ng
RT: 15.84 min Scan# 2168
Delta R.T. 0.00 min
Lab File: BM009329.D
Acq: 22 Mar 2017 21:47

Tgt Ion: 77 Resp: 759439
Ion Ratio Lower Upper
77 100
182 21.4 6.5 46.5
105 16.5 3.8 43.8
51 33.5 5.5 45.5



Abundance Ion 77.00 (76.70 to 77.70): BM
800000
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BM

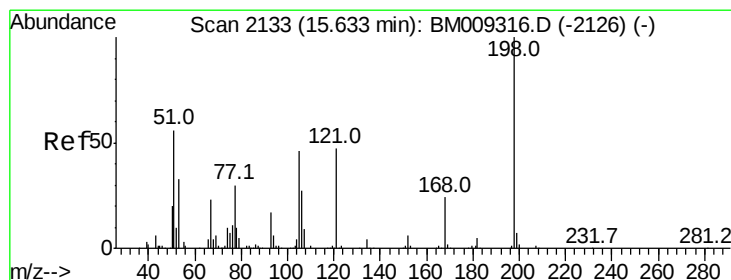
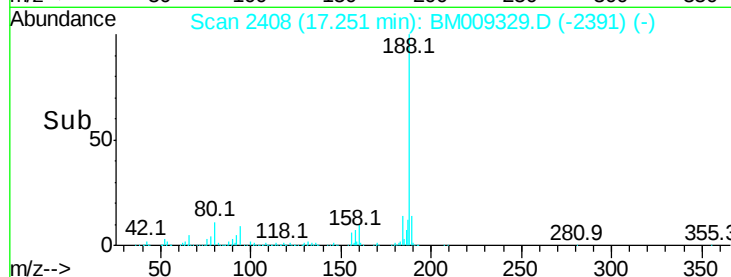
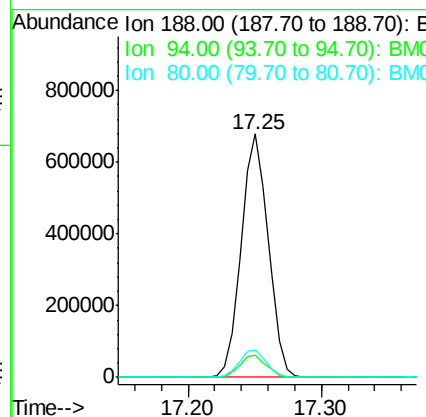
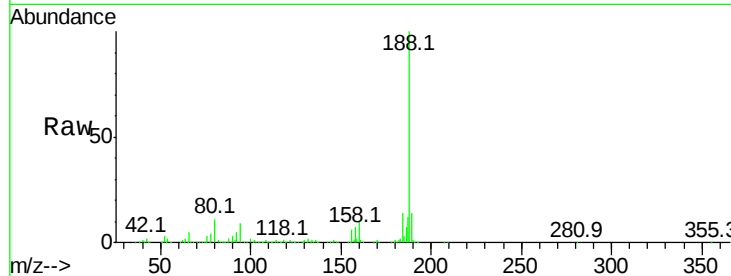




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.25 min Scan# 2408
Delta R.T. 0.00 min
Lab File: BM009329.D
Acq: 22 Mar 2017 21:47

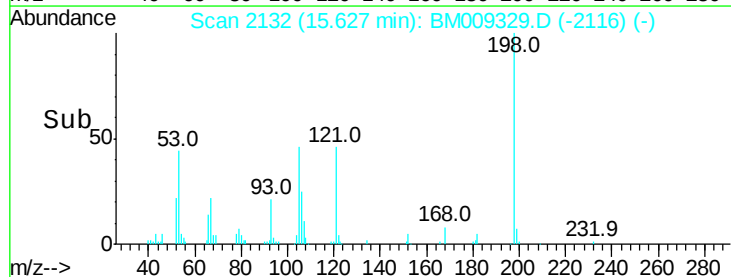
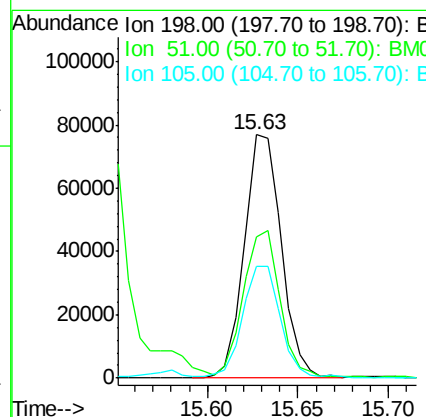
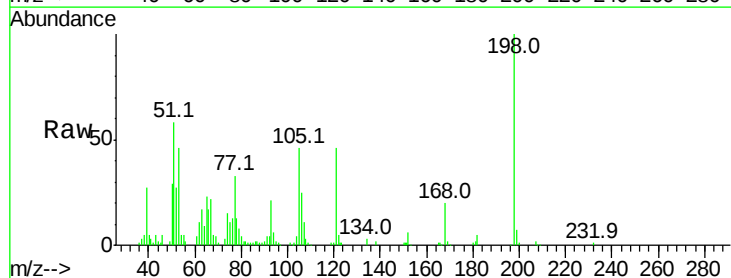
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2017

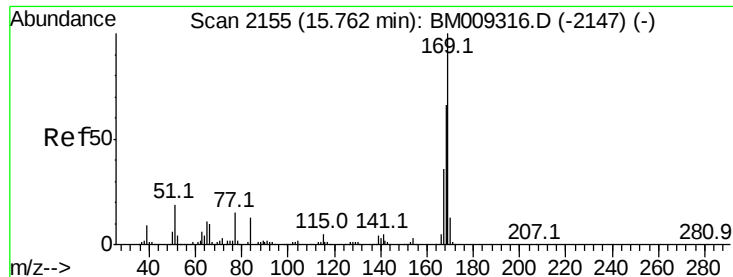
Tot Ion:188 Resp: 950391
Ion Ratio Lower Upper
188 100
94 9.0 8.7 13.1
80 11.0 9.3 13.9



#64
4,6-Dinitro-2-methylphenol
Concen: 18.22 ng
RT: 15.63 min Scan# 2132
Delta R.T. -0.01 min
Lab File: BM009329.D
Acq: 22 Mar 2017 21:47

Tgt Ion:198 Resp: 109100
Ion Ratio Lower Upper
198 100
51 58.2 28.8 68.8
105 45.8 30.5 70.5





#65

n-Nitrosodiphenylamine

Concen: 19.61 ng

RT: 15.76 min Scan# 2154

Delta R.T. -0.01 min

Lab File: BM009329.D

Acq: 22 Mar 2017 21:47

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2017

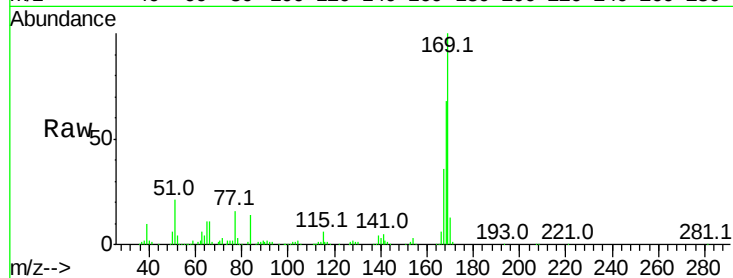
Tot Ion:169 Resp: 566186

Ion Ratio Lower Upper

169 100

168 68.4 53.9 80.9

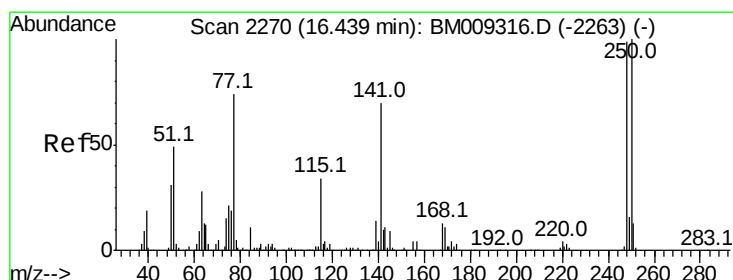
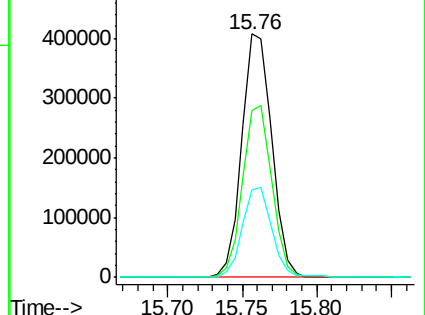
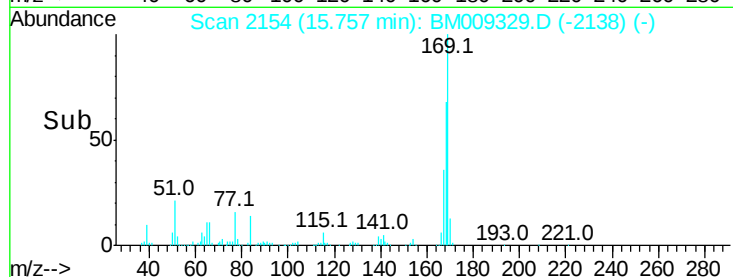
167 36.1 28.9 43.3



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 20.09 ng

RT: 16.44 min Scan# 2270

Delta R.T. 0.00 min

Lab File: BM009329.D

Acq: 22 Mar 2017 21:47

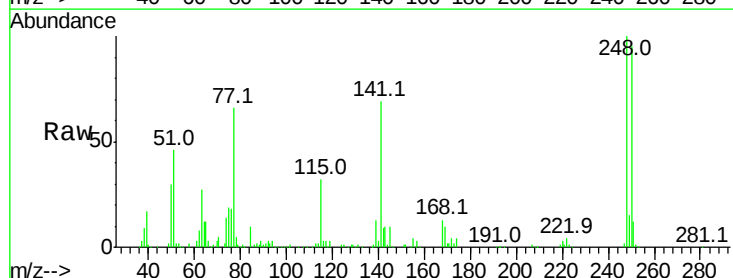
Tgt Ion:248 Resp: 221174

Ion Ratio Lower Upper

248 100

250 94.7 77.4 116.0

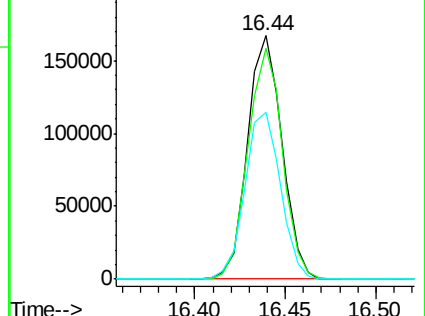
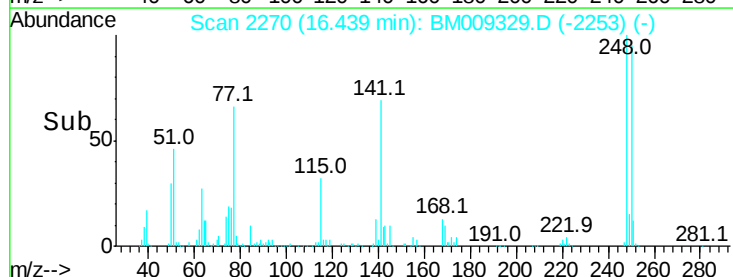
141 68.6 45.2 67.8#

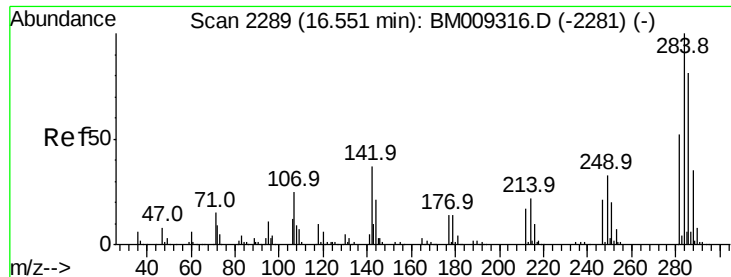


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

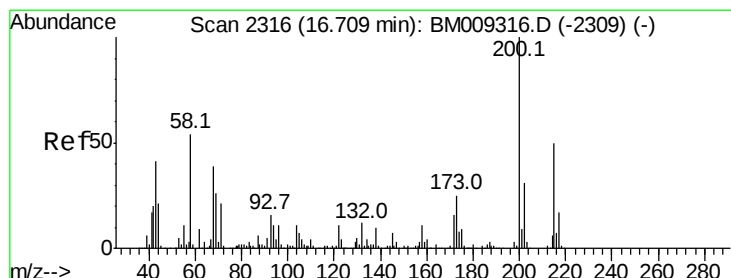
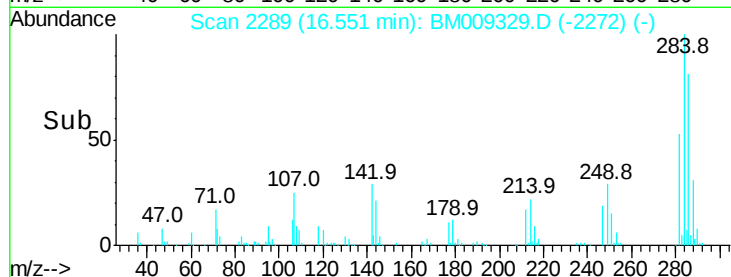
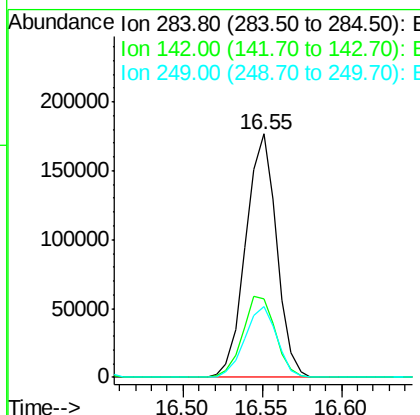
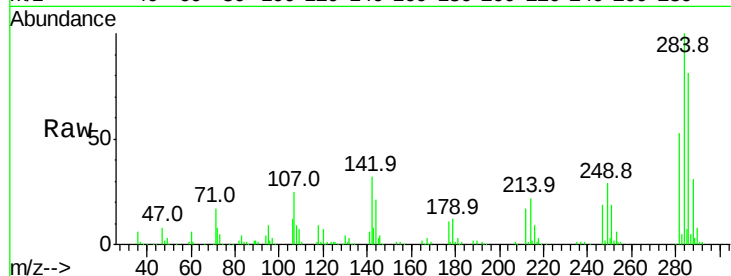




#67
Hexachlorobenzene
Concen: 19.81 ng
RT: 16.55 min Scan# 2289
Delta R.T. 0.00 min
Lab File: BM009329.D
Acq: 22 Mar 2017 21:47

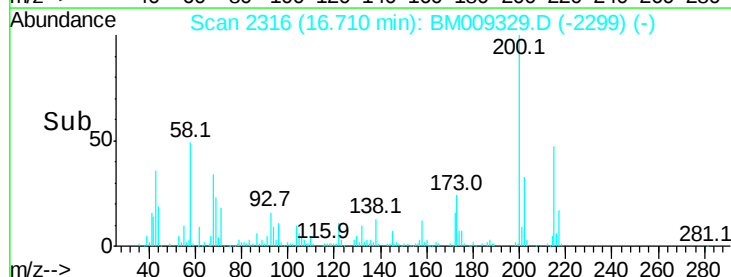
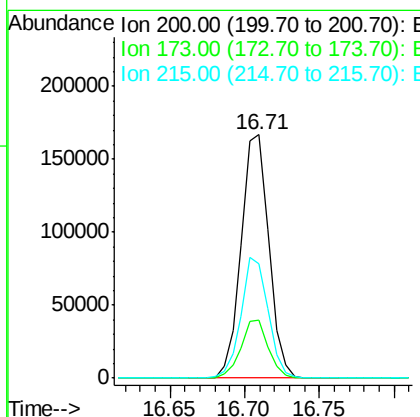
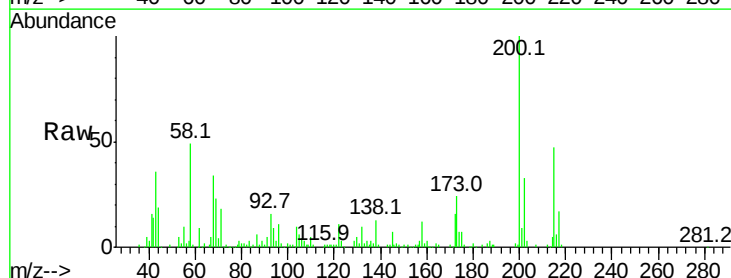
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2017

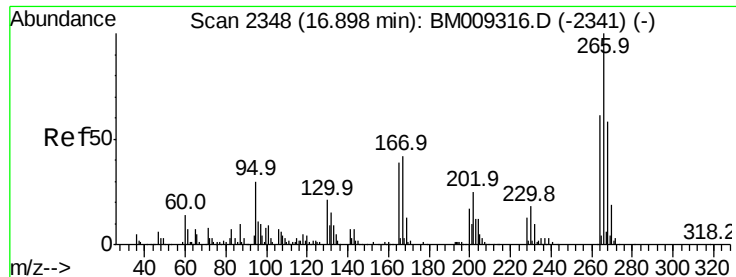
Tot Ion:284 Resp: 239090
Ion Ratio Lower Upper
284 100
142 32.1 20.4 30.6#
249 29.2 23.8 35.6



#68
Atrazine
Concen: 19.77 ng
RT: 16.71 min Scan# 2316
Delta R.T. 0.00 min
Lab File: BM009329.D
Acq: 22 Mar 2017 21:47

Tgt Ion:200 Resp: 214630
Ion Ratio Lower Upper
200 100
173 23.8 4.8 44.8
215 46.7 26.9 66.9

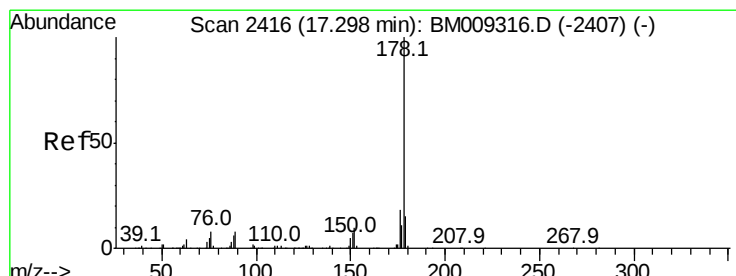
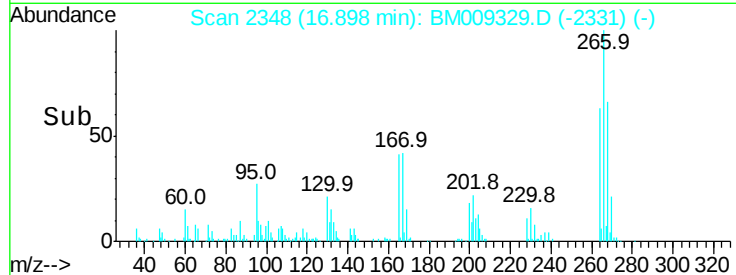
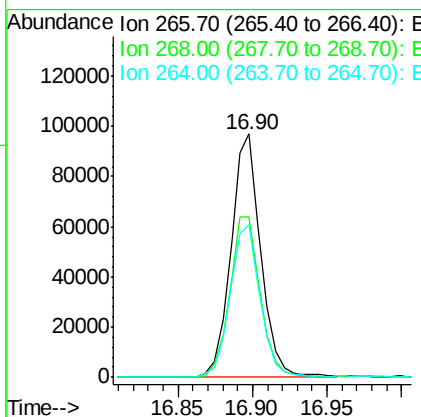
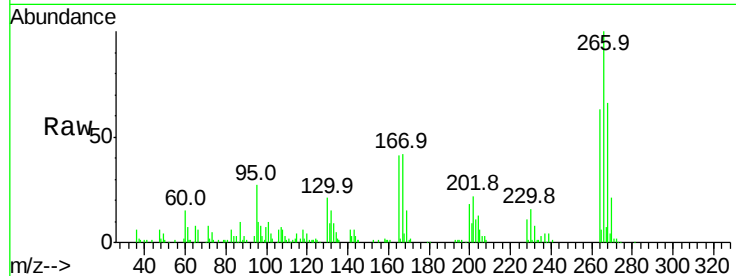




#69
 Pentachlorophenol
 Concen: 18.27 ng
 RT: 16.90 min Scan# 2348
 Delta R.T. 0.00 min
 Lab File: BM009329.D
 Acq: 22 Mar 2017 21:47

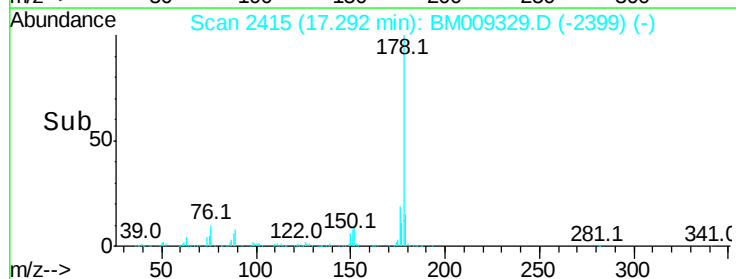
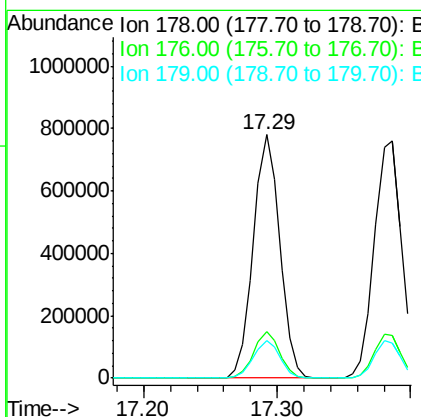
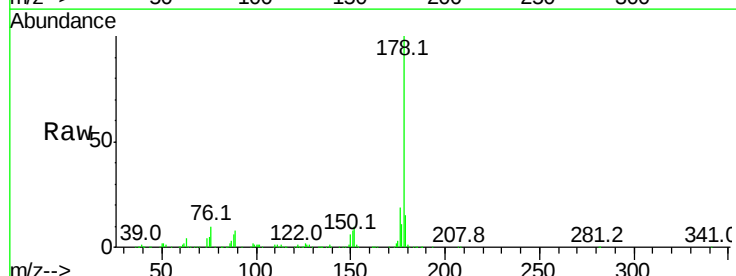
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT2-2017

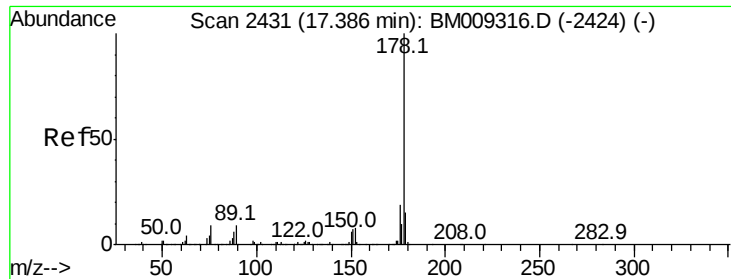
Tot Ion	Ratio	Lower	Upper
266	100		
268	65.6	52.0	78.0
264	62.7	49.0	73.4



#70
 Phenanthrene
 Concen: 19.57 ng
 RT: 17.29 min Scan# 2415
 Delta R.T. -0.01 min
 Lab File: BM009329.D
 Acq: 22 Mar 2017 21:47

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.2	22.8
179	15.3	12.1	18.1

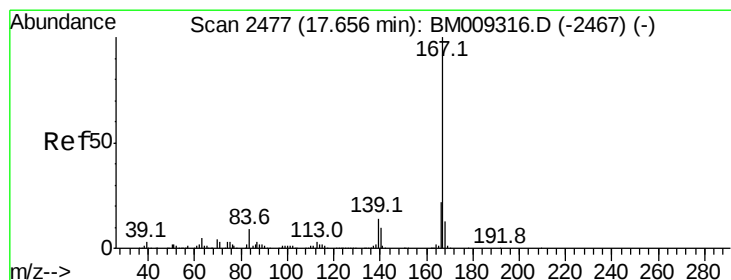
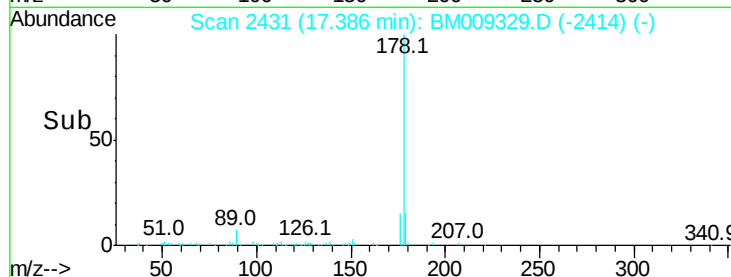
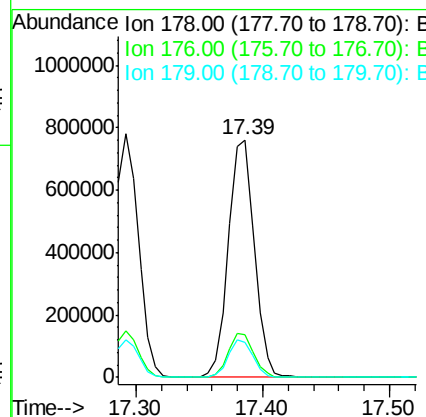
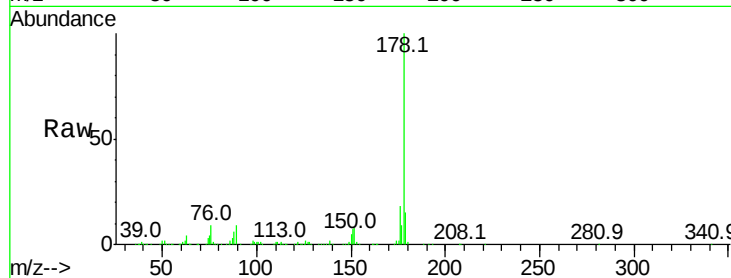




#71
 Anthracene
 Concen: 19.59 ng
 RT: 17.39 min Scan# 2431
 Delta R.T. 0.00 min
 Lab File: BM009329.D
 Acq: 22 Mar 2017 21:47

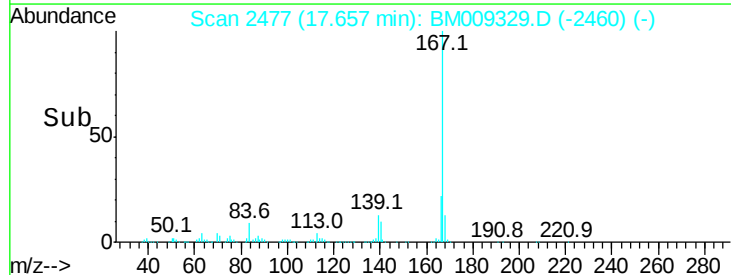
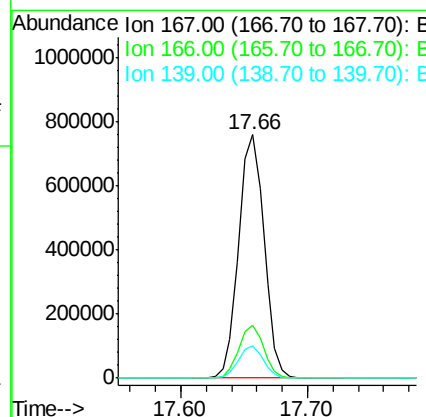
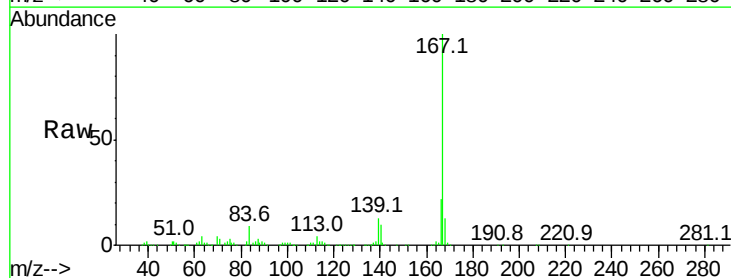
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT2-2017

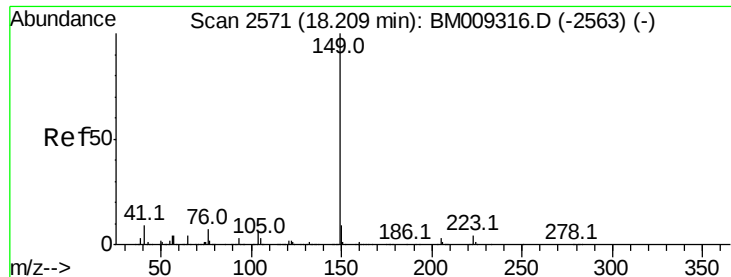
Tot Ion:178 Resp: 1078040
 Ion Ratio Lower Upper
 178 100
 176 18.2 14.6 22.0
 179 14.9 12.6 19.0



#72
 Carbazole
 Concen: 19.91 ng
 RT: 17.66 min Scan# 2477
 Delta R.T. 0.00 min
 Lab File: BM009329.D
 Acq: 22 Mar 2017 21:47

Tgt Ion:167 Resp: 1049004
 Ion Ratio Lower Upper
 167 100
 166 21.6 17.2 25.8
 139 13.5 10.8 16.2





#73

Di-n-butylphthalate

Concen: 19.57 ng

RT: 18.20 min Scan# 2570

Delta R.T. -0.01 min

Lab File: BM009329.D

Acq: 22 Mar 2017 21:47

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2017

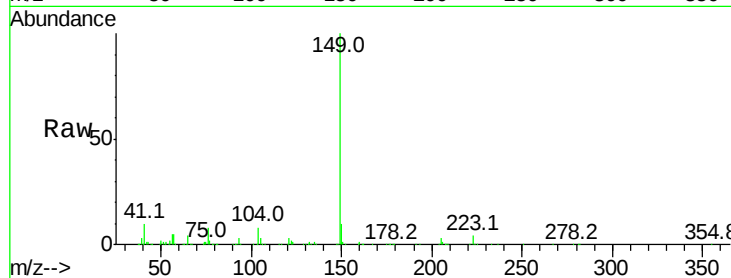
Tot Ion:149 Resp: 1053144

Ion Ratio Lower Upper

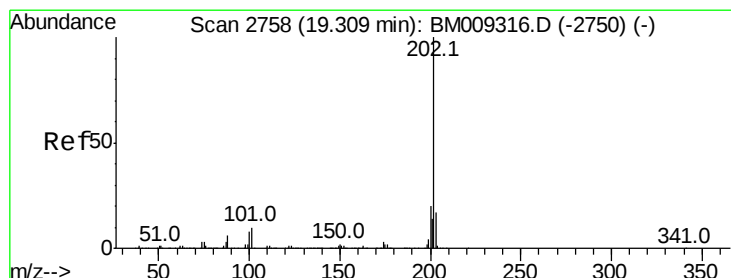
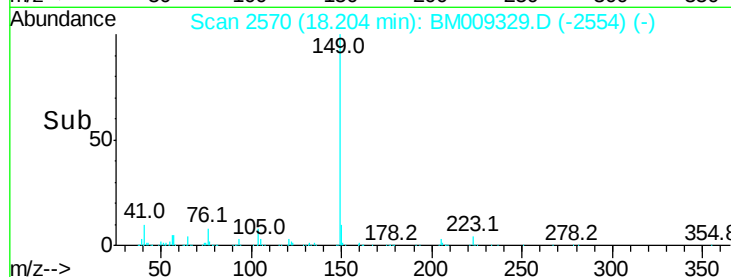
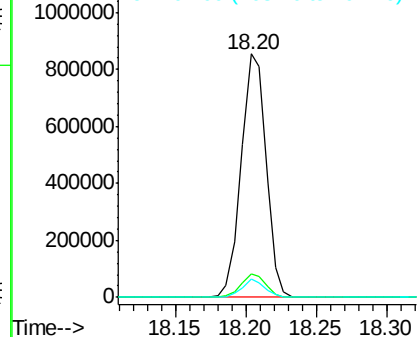
149 100

150 9.8 7.5 11.3

104 7.6 3.7 5.5#



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 19.68 ng

RT: 19.30 min Scan# 2757

Delta R.T. -0.01 min

Lab File: BM009329.D

Acq: 22 Mar 2017 21:47

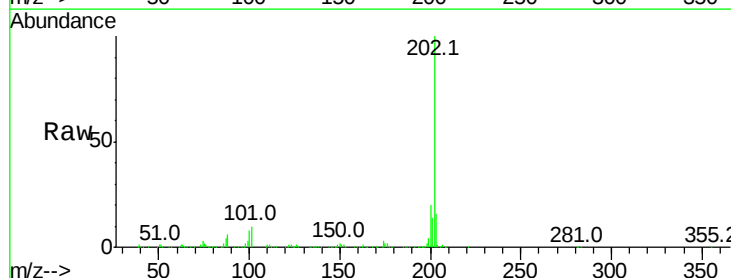
Tgt Ion:202 Resp: 1266576

Ion Ratio Lower Upper

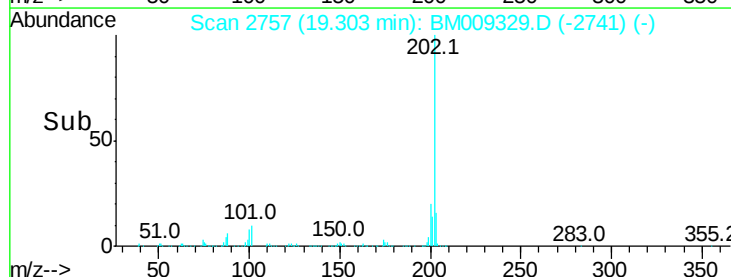
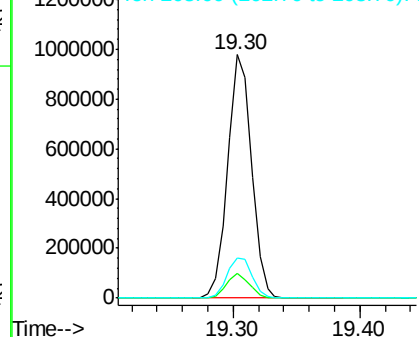
202 100

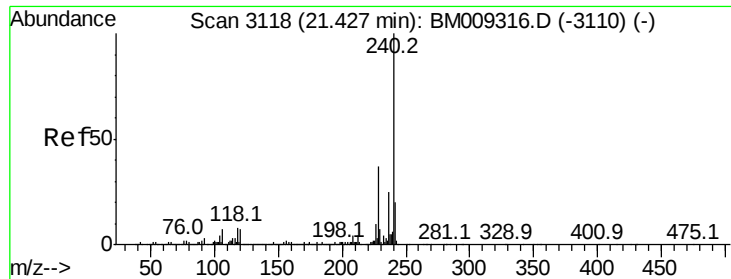
101 10.3 0.0 28.7

203 16.4 0.0 37.2



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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.43 min Scan# 3118

Delta R.T. 0.00 min

Lab File: BM009329.D

Acq: 22 Mar 2017 21:47

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2017

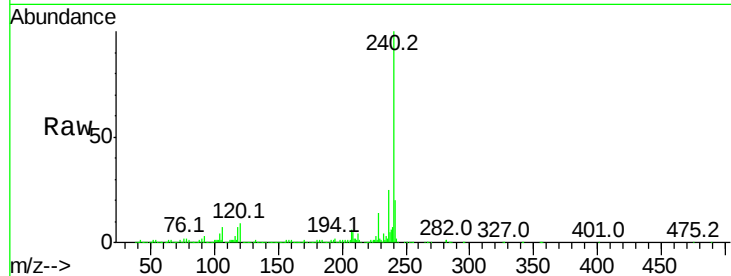
Tot Ion:240 Resp: 1209001

Ion Ratio Lower Upper

240 100

120 8.6 8.2 12.2

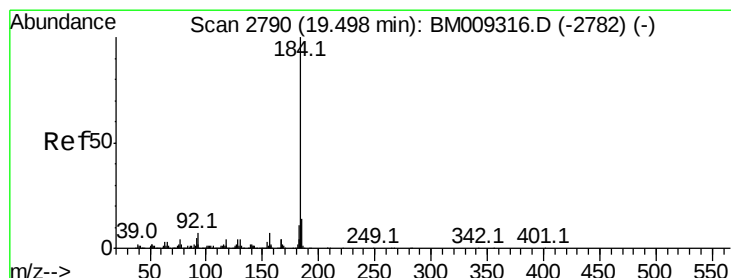
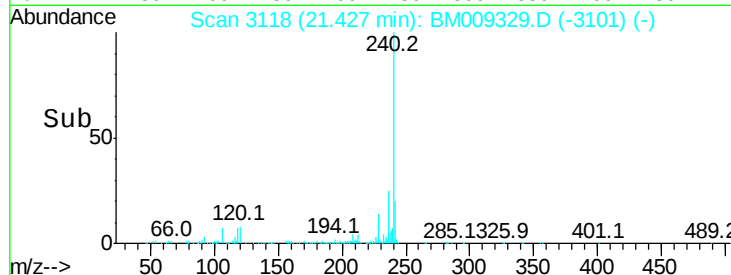
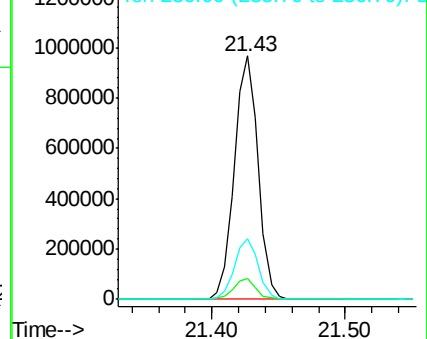
236 25.0 20.0 30.0



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



#76

Benzidine

Concen: 18.25 ng

RT: 19.49 min Scan# 2789

Delta R.T. -0.01 min

Lab File: BM009329.D

Acq: 22 Mar 2017 21:47

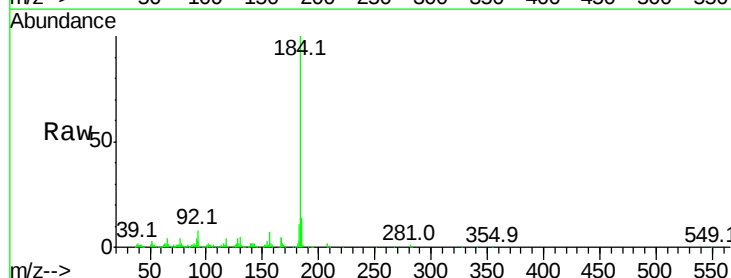
Tgt Ion:184 Resp: 657719

Ion Ratio Lower Upper

184 100

185 14.3 11.3 16.9

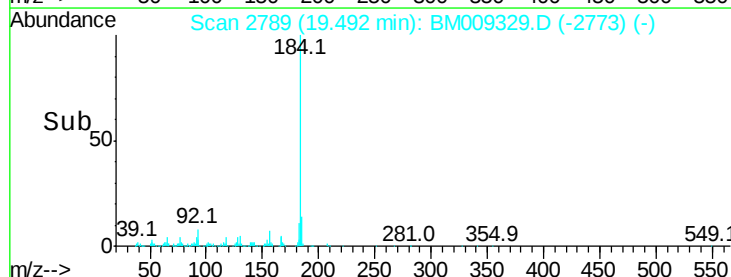
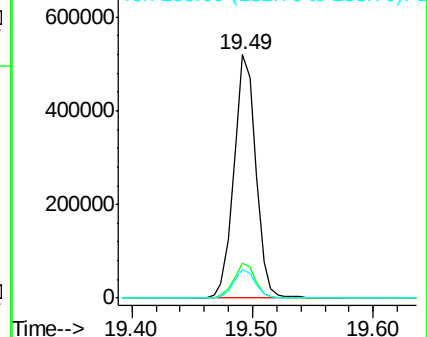
183 11.5 8.9 13.3

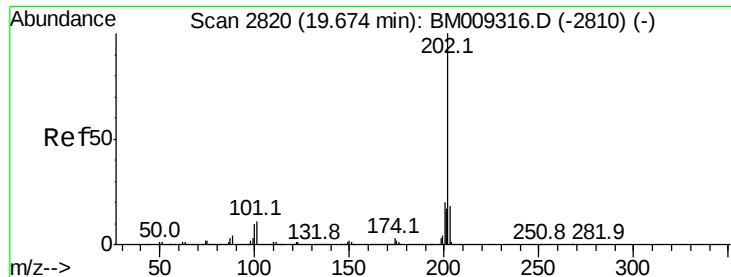


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

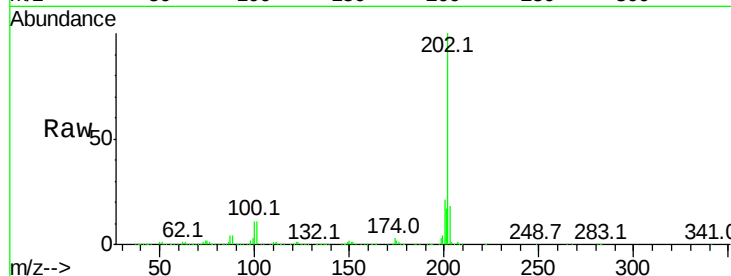




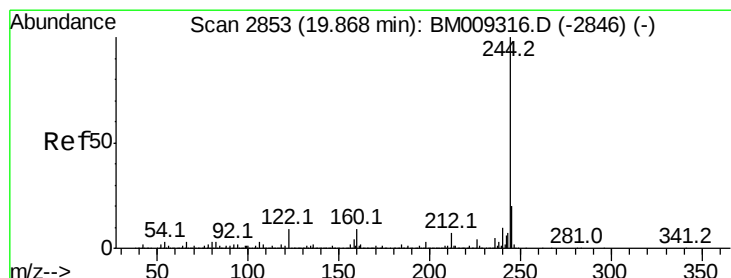
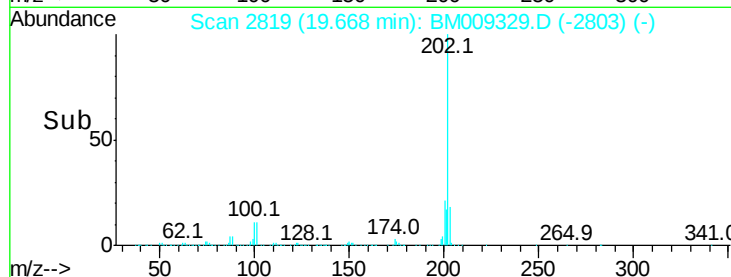
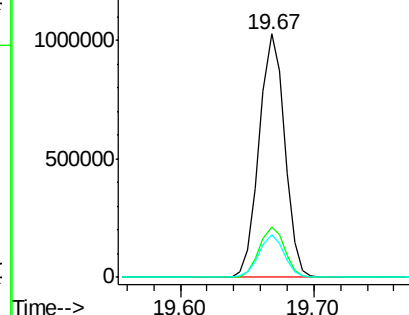
#77
Pvrene
Concen: 19.74 ng
RT: 19.67 min Scan# 2819
Delta R.T. -0.01 min
Lab File: BM009329.D
Acq: 22 Mar 2017 21:47

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2017

Tot Ion:202 Resp: 1353507
Ion Ratio Lower Upper
202 100
200 20.9 16.9 25.3
203 17.6 14.1 21.1

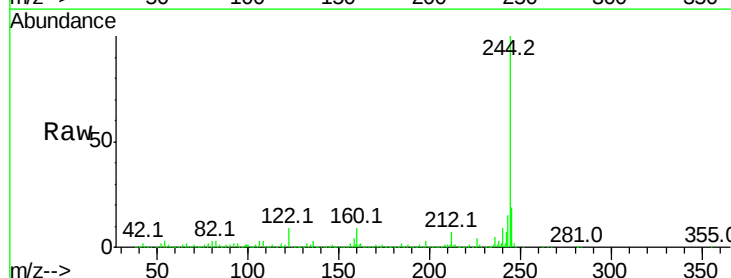


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

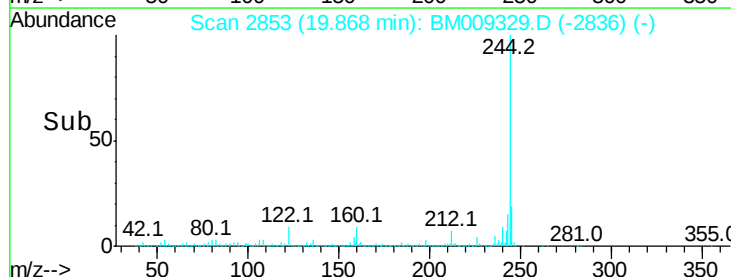
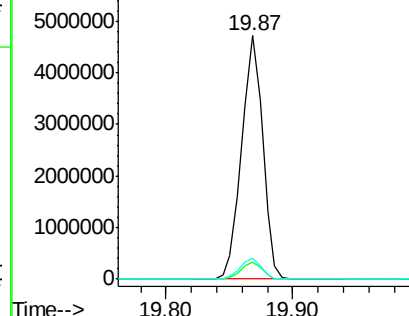


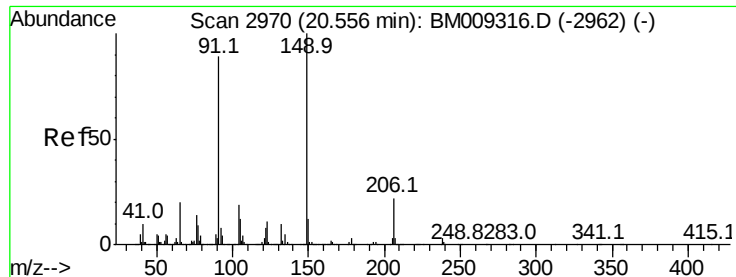
#78
Terphenyl-d14
Concen: 93.23 ng
RT: 19.87 min Scan# 2853
Delta R.T. 0.00 min
Lab File: BM009329.D
Acq: 22 Mar 2017 21:47

Tgt Ion:244 Resp: 5393937
Ion Ratio Lower Upper
244 100
212 7.0 4.9 7.3
122 8.8 6.2 9.4



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

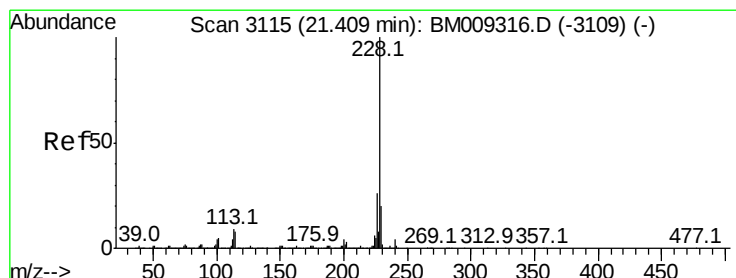
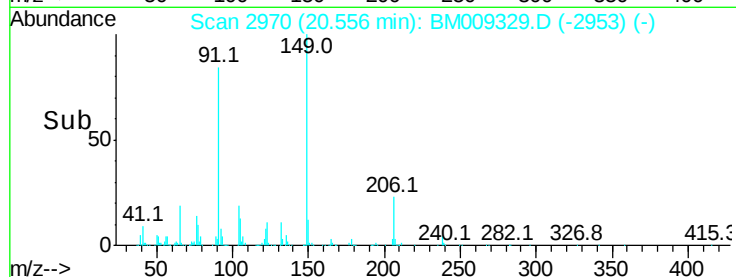
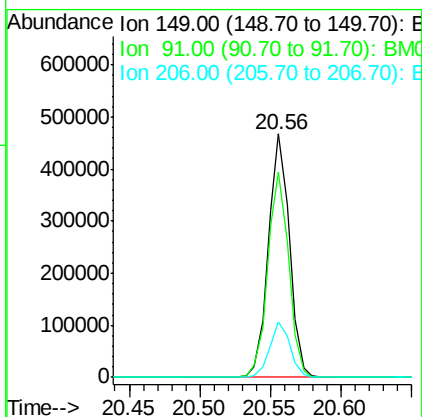
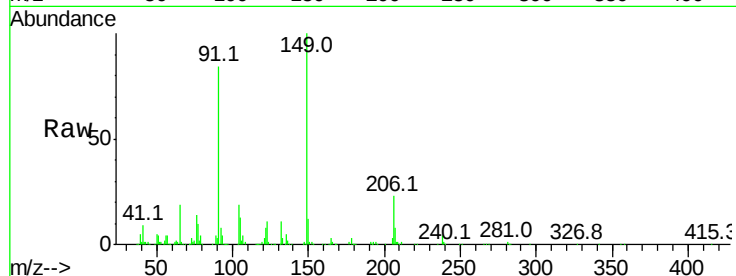




#79
Butylbenzylphthalate
Concen: 19.88 ng
RT: 20.56 min Scan# 2970
Delta R.T. 0.00 min
Lab File: BM009329.D
Acq: 22 Mar 2017 21:47

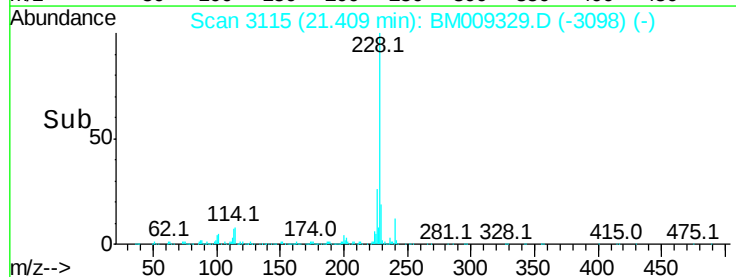
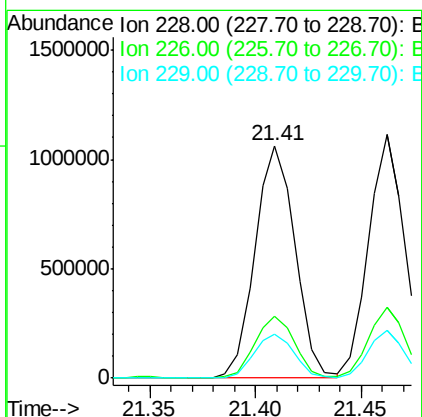
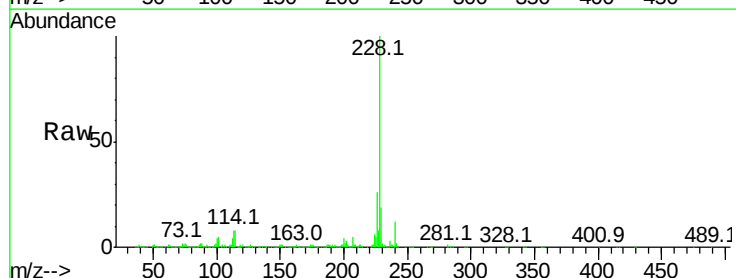
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2017

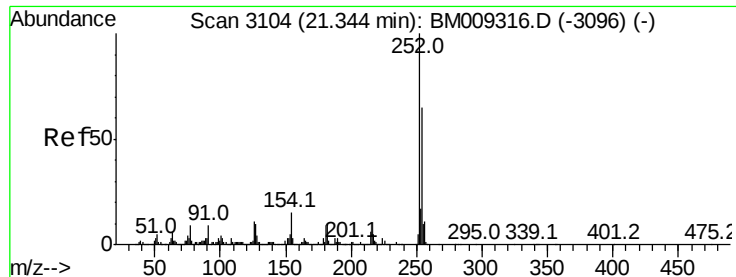
Tot Ion:149 Resp: 490941
Ion Ratio Lower Upper
149 100
91 84.2 50.1 75.1#
206 22.9 16.2 24.2



#80
Benzo(a)anthracene
Concen: 19.83 ng
RT: 21.41 min Scan# 3115
Delta R.T. 0.00 min
Lab File: BM009329.D
Acq: 22 Mar 2017 21:47

Tgt Ion:228 Resp: 1400259
Ion Ratio Lower Upper
228 100
226 26.4 21.7 32.5
229 18.8 16.0 24.0

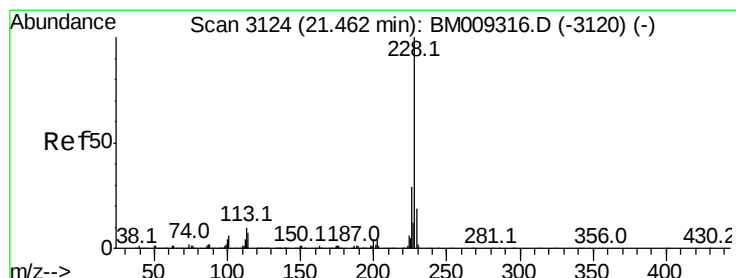
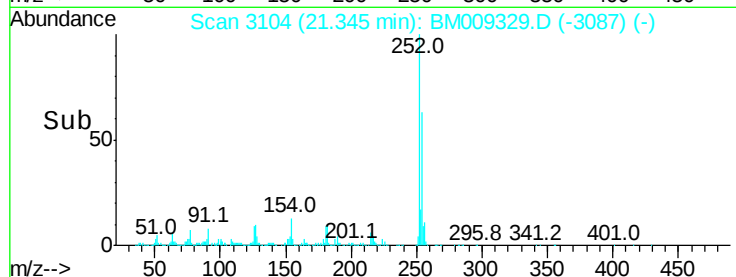
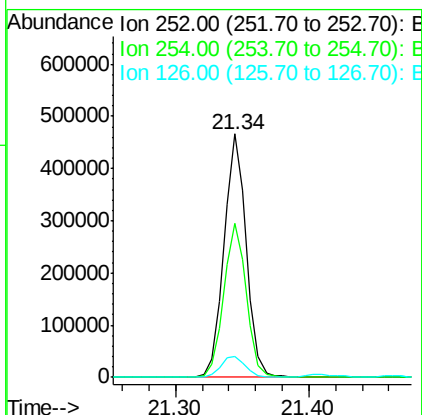
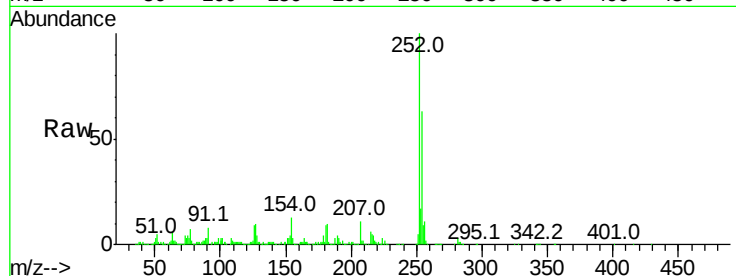




#81
 3,3'-Dichlorobenzidine
 Concen: 20.72 ng
 RT: 21.34 min Scan# 3104
 Delta R.T. 0.00 min
 Lab File: BM009329.D
 Acq: 22 Mar 2017 21:47

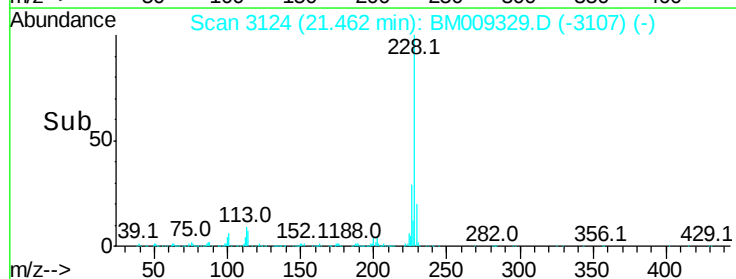
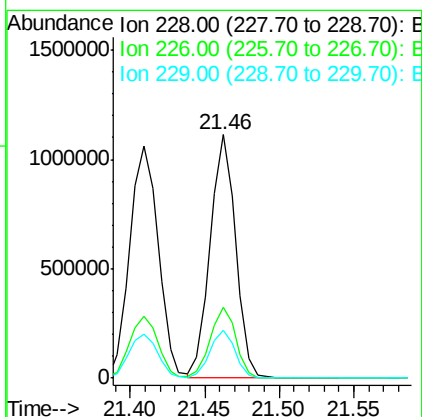
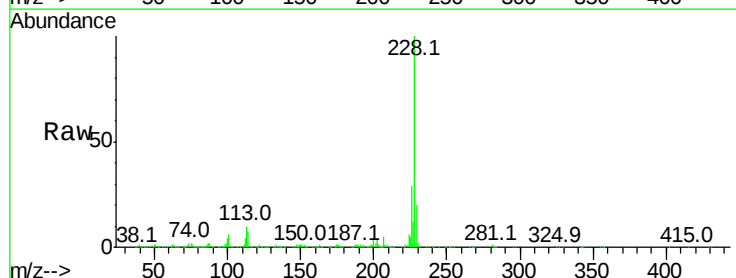
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT2-2017

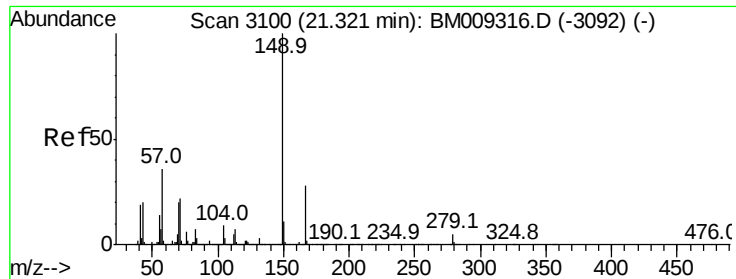
Tot Ion:252 Resp: 547833
 Ion Ratio Lower Upper
 252 100
 254 63.2 51.9 77.9
 126 8.8 9.8 14.8#



#82
 Chrysene
 Concen: 19.60 ng
 RT: 21.46 min Scan# 3124
 Delta R.T. 0.00 min
 Lab File: BM009329.D
 Acq: 22 Mar 2017 21:47

Tgt Ion:228 Resp: 1321164
 Ion Ratio Lower Upper
 228 100
 226 28.9 24.1 36.1
 229 19.6 15.5 23.3

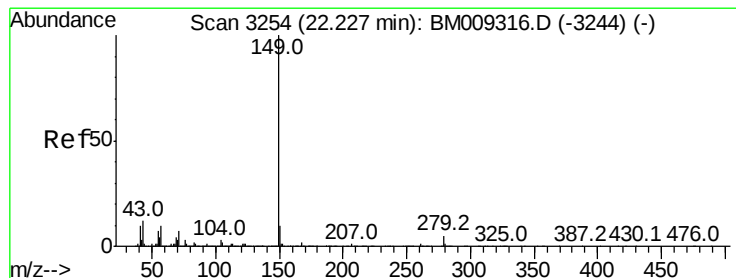
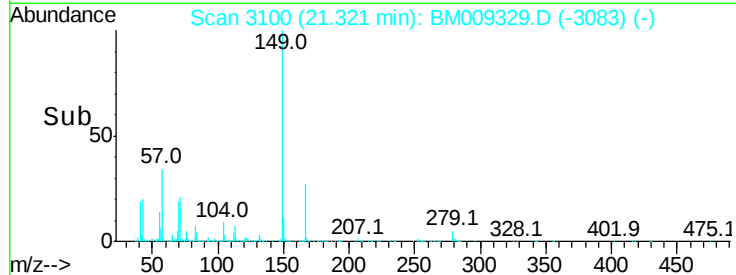
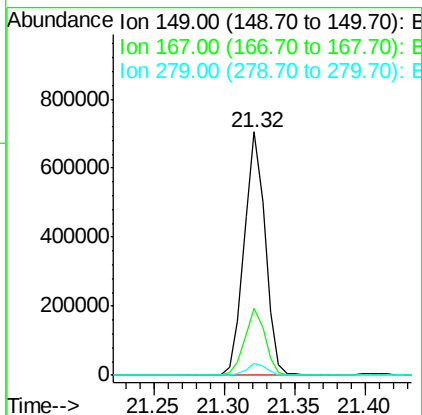
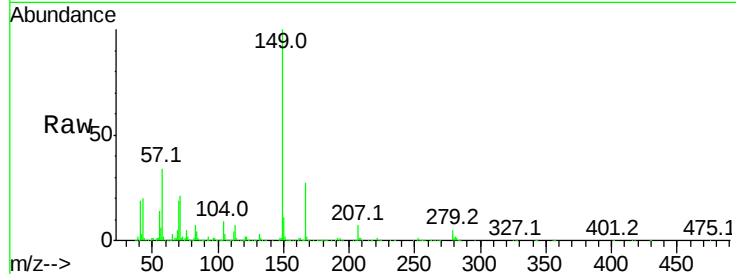




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 20.01 ng
 RT: 21.32 min Scan# 3100
 Delta R.T. 0.00 min
 Lab File: BM009329.D
 Acq: 22 Mar 2017 21:47

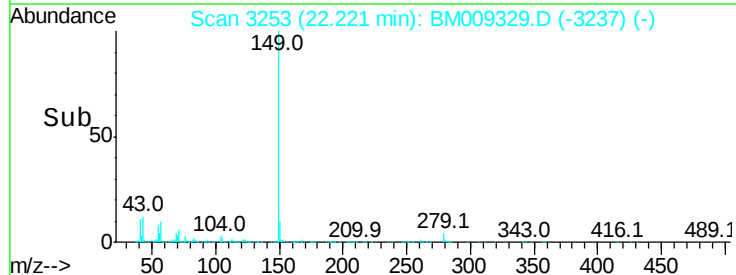
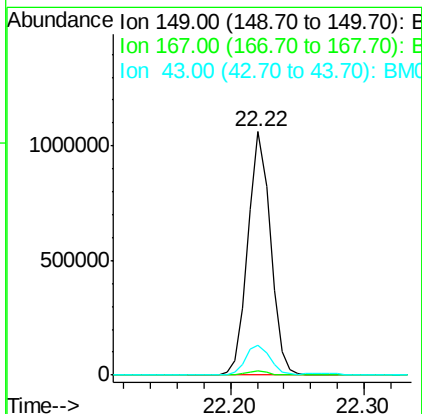
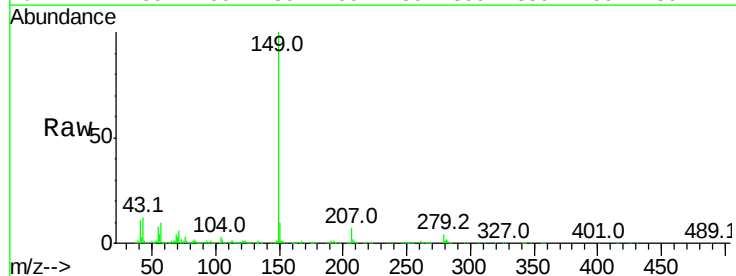
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT2-2017

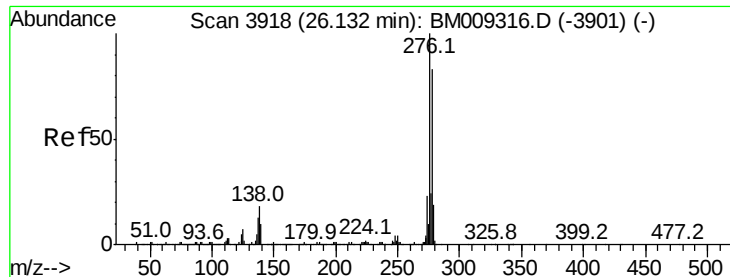
Tot Ion:149 Resp: 737261
 Ion Ratio Lower Upper
 149 100
 167 27.3 22.4 33.6
 279 4.7 3.4 5.0



#84
 Di-n-octyl phthalate
 Concen: 20.04 ng
 RT: 22.22 min Scan# 3253
 Delta R.T. -0.01 min
 Lab File: BM009329.D
 Acq: 22 Mar 2017 21:47

Tgt Ion:149 Resp: 1228808
 Ion Ratio Lower Upper
 149 100
 167 1.6 1.2 1.8
 43 13.5 7.3 10.9#





#85

Indeno(1,2,3-cd)pyrene

Concen: 19.75 ng

RT: 26.13 min Scan# 3917

Delta R.T. -0.01 min

Lab File: BM009329.D

Acq: 22 Mar 2017 21:47

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2017

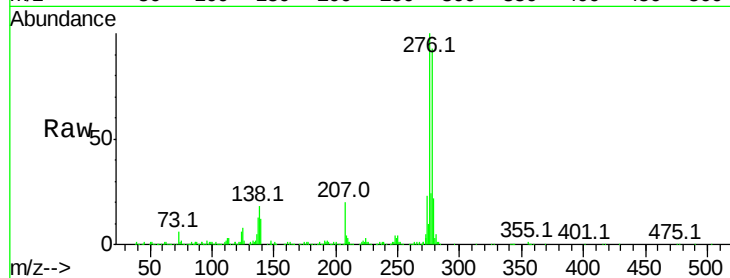
Tot Ion:276 Resp: 1452457

Ion Ratio Lower Upper

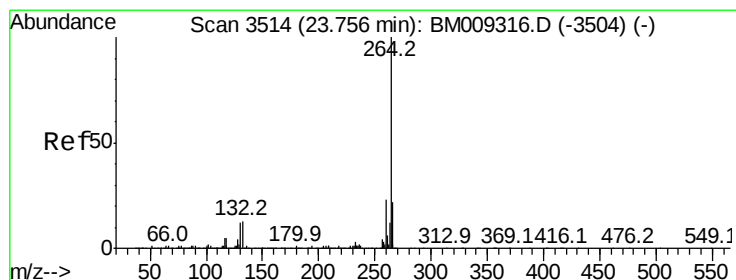
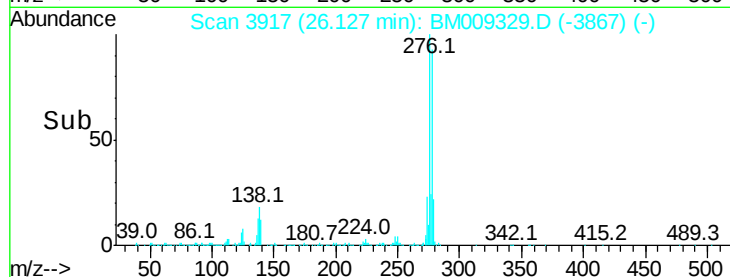
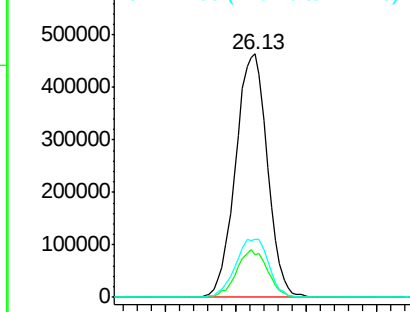
276 100

138 19.1 0.0 0.0#

277 25.3 0.0 0.0#



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 23.75 min Scan# 3513

Delta R.T. -0.01 min

Lab File: BM009329.D

Acq: 22 Mar 2017 21:47

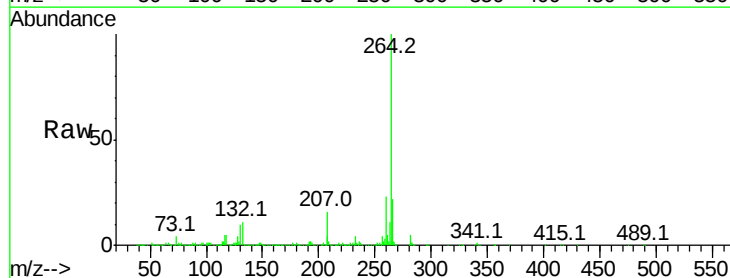
Tgt Ion:264 Resp: 1114533

Ion Ratio Lower Upper

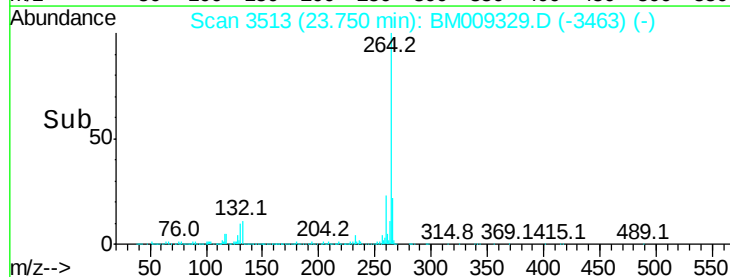
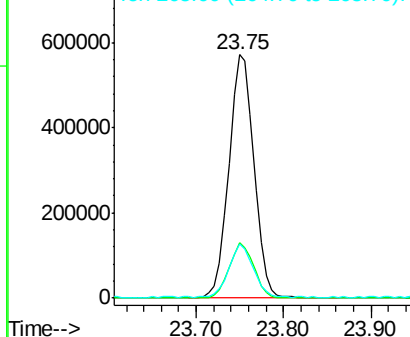
264 100

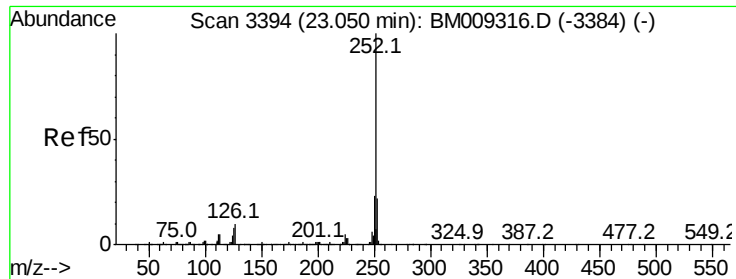
260 22.8 18.6 27.8

265 22.2 17.3 25.9



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 19.60 ng

RT: 23.04 min Scan# 3393

Delta R.T. -0.01 min

Lab File: BM009329.D

Acq: 22 Mar 2017 21:47

Instrument :

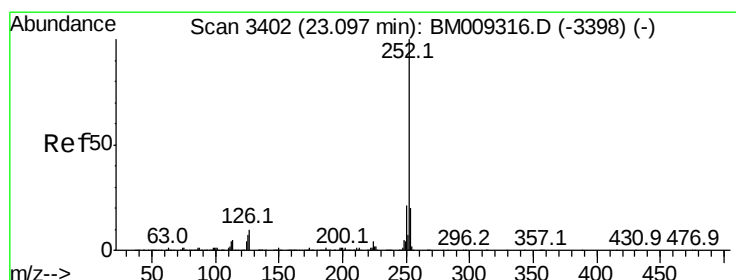
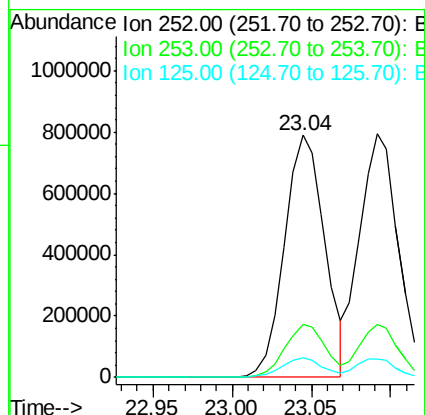
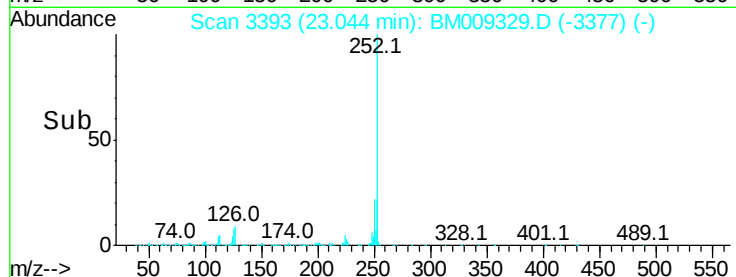
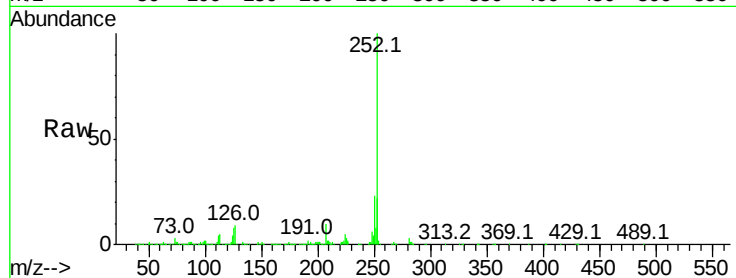
BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2017

Tot Ion:252 Resp: 1384840

Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.0	27.0
125	8.1	9.9	14.9#



#88

Benzo(k)fluoranthene

Concen: 19.74 ng

RT: 23.09 min Scan# 3401

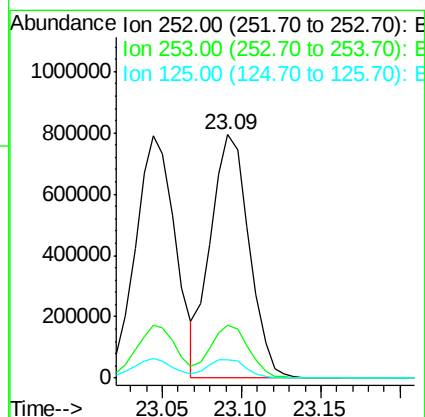
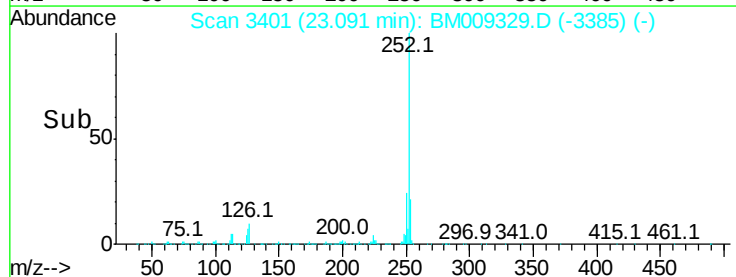
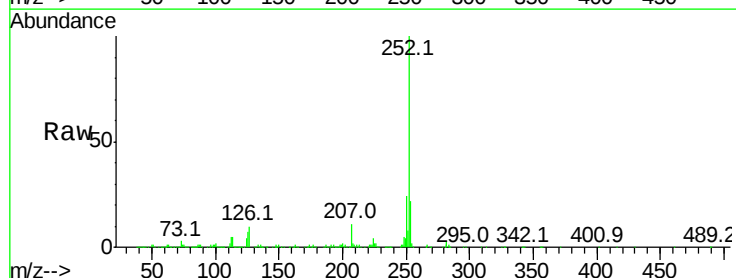
Delta R.T. -0.01 min

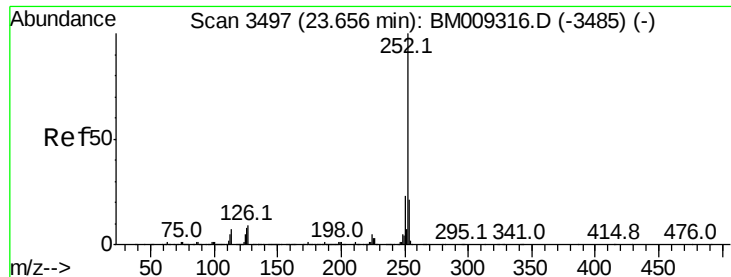
Lab File: BM009329.D

Acq: 22 Mar 2017 21:47

Tgt Ion:252 Resp: 1341142

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.2	25.8
125	7.3	8.1	12.1#





#89

Benzo(a)pyrene

Concen: 19.78 ng

RT: 23.65 min Scan# 3496

Delta R.T. -0.01 min

Lab File: BM009329.D

Acq: 22 Mar 2017 21:47

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2017

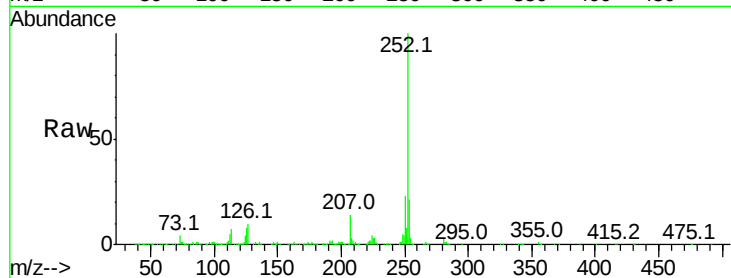
Tot Ion:252 Resp: 1294061

Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.6	26.4
125	8.3	7.4	11.2

252 100

253 21.3 17.6 26.4

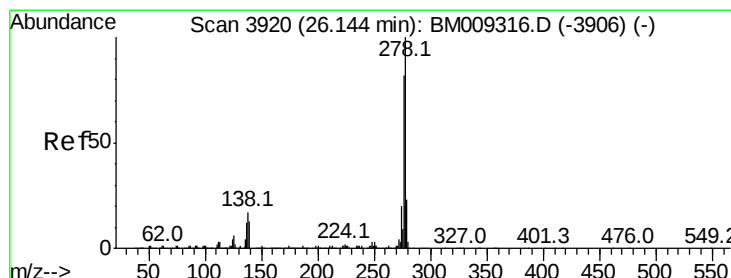
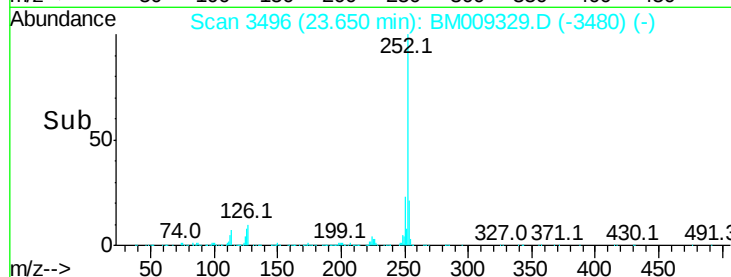
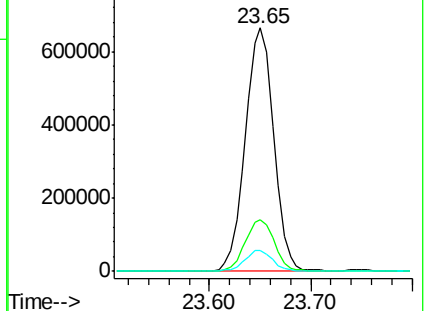
125 8.3 7.4 11.2



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



#90

Dibenzo(a,h)anthracene

Concen: 19.71 ng

RT: 26.13 min Scan# 3918

Delta R.T. -0.01 min

Lab File: BM009329.D

Acq: 22 Mar 2017 21:47

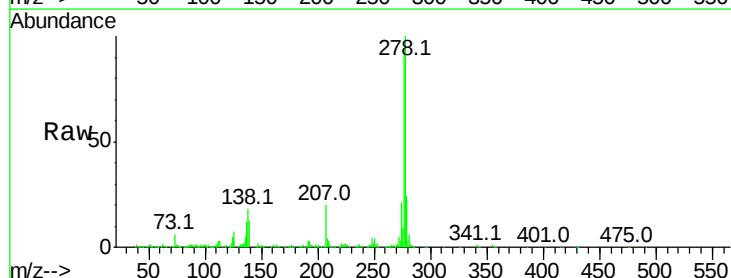
Tgt Ion:278 Resp: 1263167

Ion	Ratio	Lower	Upper
278	100		
139	12.9	13.4	20.0#
279	24.5	19.0	28.4

278 100

139 12.9 13.4 20.0#

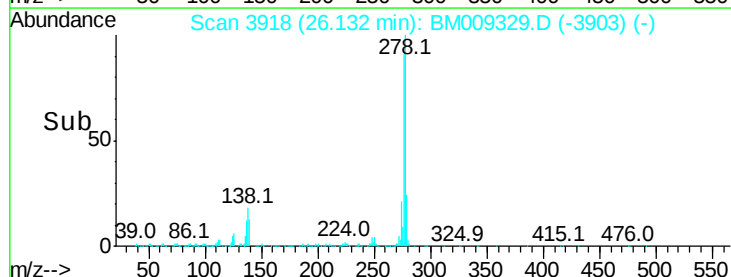
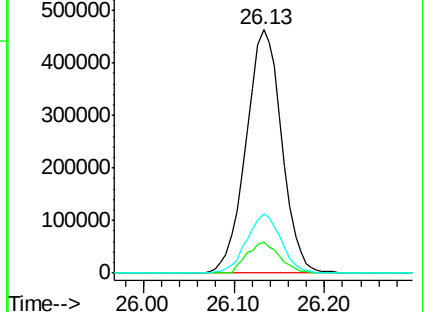
279 24.5 19.0 28.4

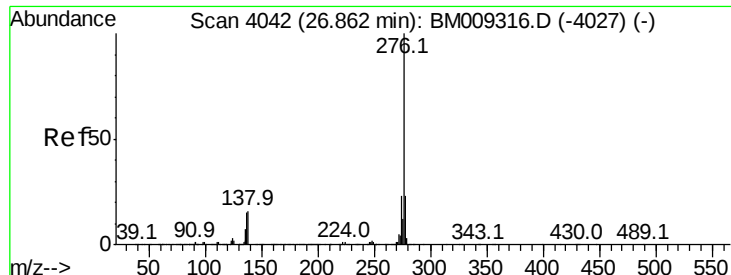


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 19.47 ng

RT: 26.86 min Scan# 4041

Delta R.T. -0.01 min

Lab File: BM009329.D

Acq: 22 Mar 2017 21:47

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2017

Tot Ion:276 Resp: 1216233

Ion Ratio Lower Upper

276 100

277 23.2 18.5 27.7

138 15.5 19.0 28.6#

