

Data Path : Z:\HPCHEM1\BNA M\DATA\BM032217\
 Data File : BM009326.D
 Acq On : 22 Mar 2017 19:59
 Operator : SJ/MA
 Sample : I2296-01
 Misc : LOD 2 PPB
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

Quant Time: Mar 23 04:09:18 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	168358	20.00	ng	0.00
21) Naphthalene-d8	10.66	136	610151	20.00	ng	0.00
38) Acenaphthene-d10	14.50	164	339233	20.00	ng	0.00
63) Phenanthrene-d10	17.25	188	764873	20.00	ng	0.00
75) Chrysene-d12	21.43	240	947434	20.00	ng	0.00
86) Perylene-d12	23.75	264	903074	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	1466150	145.16	ng	0.00
7) Phenol-d6	7.02	99	1985551	144.16	ng	0.00
23) Nitrobenzene-d5	9.03	82	1487180	91.39	ng	0.00
41) 2,4,6-Tribromophenol	15.99	330	616163	146.21	ng	0.00
44) 2-Fluorobiphenyl	13.12	172	2624837	93.23	ng	0.00
78) Terphenyl-d14	19.87	244	3780265	83.38	ng	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	3.37	88	13319	2.62	ng	# 100
3) Pyridine	3.78	79	25708	1.79	ng	# 83
4) n-Nitrosodimethylamine	3.69	42	14630	1.91	ng	# 54
6) Aniline	7.19	93	35185	1.88	ng	# 83
8) 2-Chlorophenol	7.42	128	22120	2.16	ng	# 73
9) Benzaldehyde	7.01	77	27979	2.58	ng	# 62
10) Phenol	7.05	94	31686	2.12	ng	# 96
11) bis(2-Chloroethyl)ether	7.29	93	23657	1.93	ng	# 72
12) 1,3-Dichlorobenzene	7.75	146	23491	1.92	ng	# 87
13) 1,4-Dichlorobenzene	7.90	146	25611	2.02	ng	# 85
14) 1,2-Dichlorobenzene	8.21	146	23556	1.91	ng	# 88
15) Benzyl Alcohol	8.10	79	21668	1.80	ng	# 82
16) 2,2'-oxybis(1-Chloropropan	8.37	45	44007	2.07	ng	# 93
17) 2-Methylphenol	8.29	107	17219	1.76	ng	# 82
18) Hexachloroethane	8.93	117	9311	1.80	ng	# 91
19) n-Nitroso-di-n-propylamine	8.66	70	20129	1.81	ng	# 96
20) 3+4-Methylphenols	8.62	107	23200	1.75	ng	# 90
22) Acetophenone	8.69	105	34516	2.01	ng	# 86
24) Nitrobenzene	9.07	77	34022	2.13	ng	# 87
25) Isophorone	9.59	82	45172	1.82	ng	# 86
26) 2-Nitrophenol	9.78	139	7819	1.63	ng	# 59
27) 2,4-Dimethylphenol	9.82	122	14769	1.68	ng	# 80
28) bis(2-Chloroethoxy)methane	10.06	93	28781	1.87	ng	# 97
29) 2,4-Dichlorophenol	10.30	162	15553	1.69	ng	# 79
30) 1,2,4-Trichlorobenzene	10.52	180	23524	2.06	ng	# 98
31) Naphthalene	10.71	128	63860	1.97	ng	# 95
32) Benzoic acid	9.95	122	344	0.06	ng	# 38
33) 4-Chloroaniline	10.83	127	22508	1.80	ng	# 76
34) Hexachlorobutadiene	10.98	225	16386	2.10	ng	# 87
35) Caprolactam	11.59	113	4311	1.54	ng	# 87
36) 4-Chloro-3-methylphenol	11.93	107	17740	1.71	ng	# 83
37) 2-Methylnaphthalene	12.32	142	40876	1.83	ng	# 88
39) 1,2,4,5-Tetrachlorobenzene	12.69	216	24763	1.93	ng	# 100
40) Hexachlorocyclopentadiene	12.66	237	10977	1.49	ng	# 96

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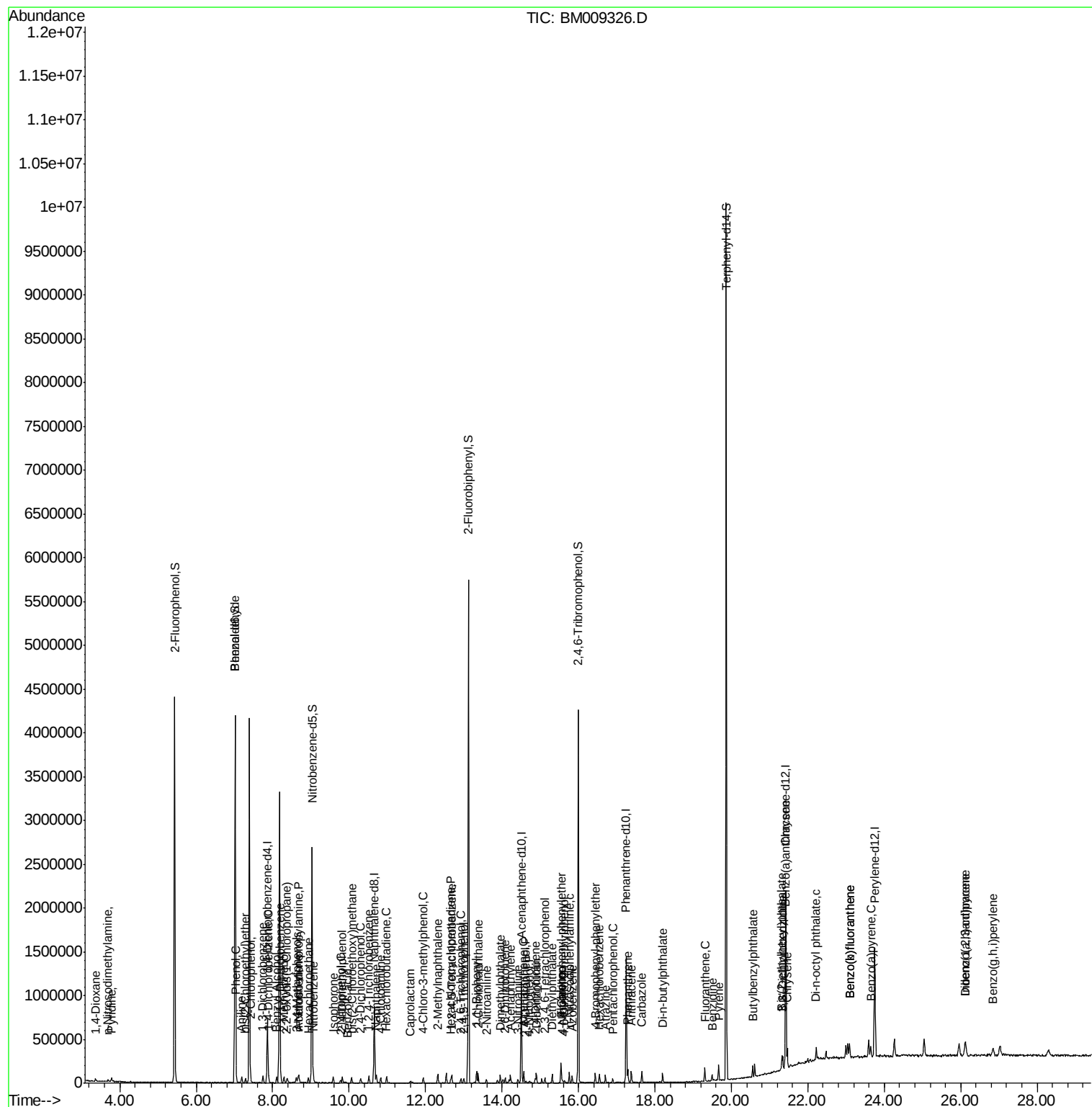
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	12.93	196	10833	1.48	nq	# 96
43) 2,4,5-Trichlorophenol	13.00	196	12610	1.54	nq	# 72
45) 1,1'-Biphenyl	13.33	154	62391	2.21	nq	93
46) 2-Chloronaphthalene	13.37	162	41794	1.91	nq	95
47) 2-Nitroaniline	13.59	65	12870	1.59	nq	# 58
48) Acenaphthylene	14.23	152	62253	1.74	nq	# 92
49) Dimethylphthalate	13.96	163	49062	1.88	nq	# 94
50) 2,6-Dinitrotoluene	14.08	165	8374	1.49	nq	# 47
51) Acenaphthene	14.57	154	41209	1.91	nq	98
52) 3-Nitroaniline	14.42	138	7347	1.33	nq	# 62
53) 2,4-Dinitrophenol	14.62	184	3309	6.28	nq	# 80
54) Dibenzofuran	14.90	168	61039	1.92	nq	96
55) 4-Nitrophenol	14.71	139	4839	1.06	nq	# 5
56) 2,4-Dinitrotoluene	14.87	165	10186	1.34	nq	# 90
57) Fluorene	15.55	166	51433	1.80	nq	91
58) 2,3,4,6-Tetrachlorophenol	15.12	232	10759	1.56	nq	# 100
59) Diethylphthalate	15.32	149	46896	1.77	nq	98
60) 4-Chlorophenyl-phenylether	15.54	204	26772	1.79	nq	91
61) 4-Nitroaniline	15.58	138	7094	1.18	nq	# 1
62) Azobenzene	15.84	77	49016	1.59	nq	82
64) 4,6-Dinitro-2-methylphenol	15.63	198	5212	1.08	nq	85
65) n-Nitrosodiphenylamine	15.76	169	42036	1.81	nq	93
66) 4-Bromophenyl-phenylether	16.44	248	15720	1.77	nq	# 79
67) Hexachlorobenzene	16.55	284	18682	1.92	nq	# 88
68) Atrazine	16.70	200	14756	1.69	nq	89
69) Pentachlorophenol	16.89	266	8453	1.42	nq	87
70) Phenanthrene	17.29	178	86510	1.98	nq	98
71) Anthracene	17.38	178	80155	1.81	nq	96
72) Carbazole	17.66	167	72730	1.72	nq	98
73) Di-n-butylphthalate	18.20	149	68044	1.57	nq	# 97
74) Fluoranthene	19.30	202	90866	1.75	nq	98
76) Benzidine	19.50	184	35258	1.25	nq	94
77) Pyrene	19.67	202	98729	1.84	nq	97
79) Butylbenzylphthalate	20.56	149	28893	1.49	nq	# 75
80) Benzo(a)anthracene	21.41	228	104195	1.88	nq	97
81) 3,3'-Dichlorobenzidine	21.34	252	36094	1.74	nq	90
82) Chrysene	21.46	228	107729	2.04	nq	94
83) Bis(2-ethylhexyl)phthalate	21.32	149	45647	1.58	nq	# 95
84) Di-n-octyl phthalate	22.22	149	71670	1.49	nq	# 81
85) Indeno(1,2,3-cd)pyrene	26.12	276	114567	1.99	nq	# 100
87) Benzo(b)fluoranthene	23.09	252	91527	1.60	nq	96
88) Benzo(k)fluoranthene	23.09	252	97151	1.76	nq	95
89) Benzo(a)pyrene	23.64	252	103287	1.95	nq	96
90) Dibenzo(a,h)anthracene	26.13	278	100737	1.94	nq	# 93
91) Benzo(g,h,i)perylene	26.85	276	96139	1.90	nq	# 90

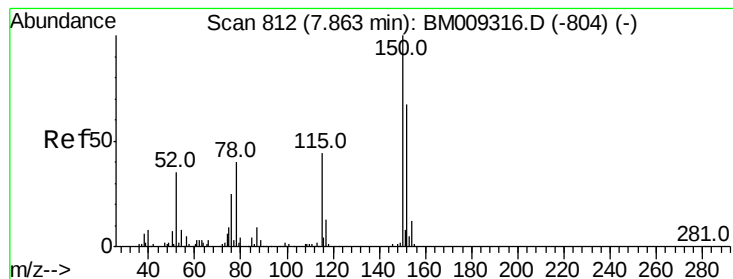
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.86 min Scan# 812

Delta R.T. 0.00 min

Lab File: BM009326.D

Acq: 22 Mar 2017 19:59

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

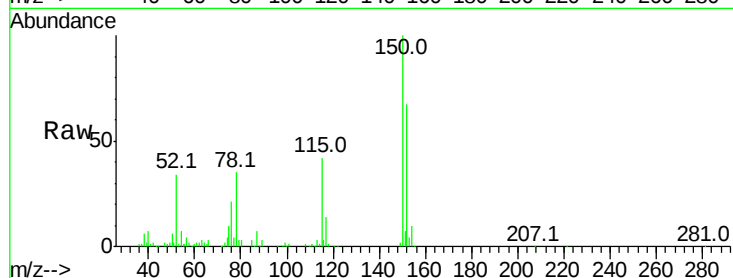
Tot Ion:152 Resp: 168358

Ion Ratio Lower Upper

152 100

150 149.8 119.5 179.3

115 62.3 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

200000

150000

100000

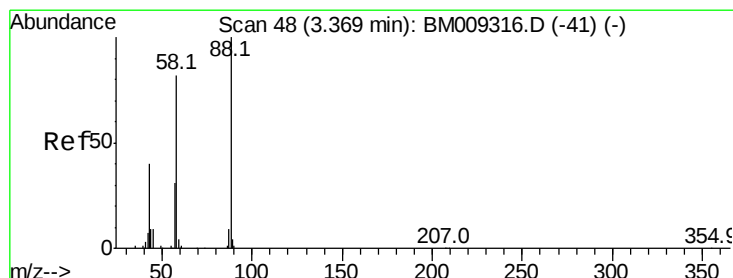
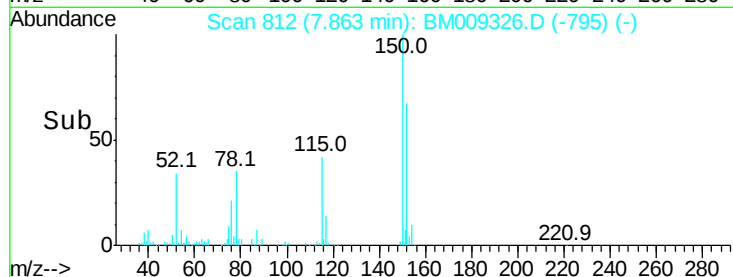
50000

0

7.86

7.80 7.85 7.90

Time-->



#2

1,4-Dioxane

Concen: 2.62 ng

RT: 3.37 min Scan# 48

Delta R.T. 0.00 min

Lab File: BM009326.D

Acq: 22 Mar 2017 19:59

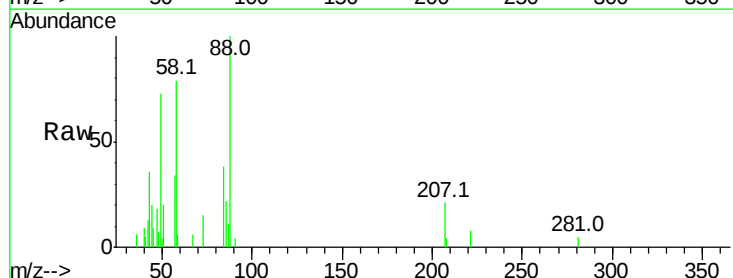
Tgt Ion: 88 Resp: 13319

Ion Ratio Lower Upper

88 100

58 65.9 0.0 0.0#

43 41.4 0.0 0.0#



Abundance Ion 88.00 (87.70 to 88.70): BMC

Ion 58.00 (57.70 to 58.70): BMC

Ion 43.00 (42.70 to 43.70): BMC

12000

10000

8000

6000

4000

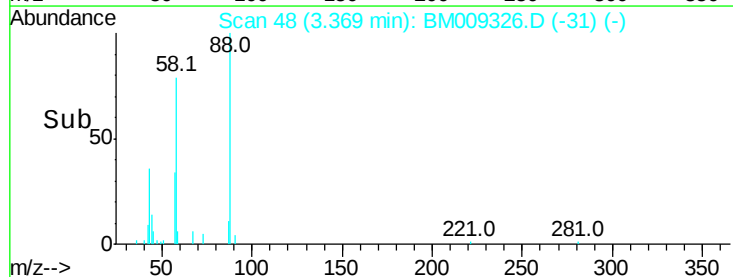
2000

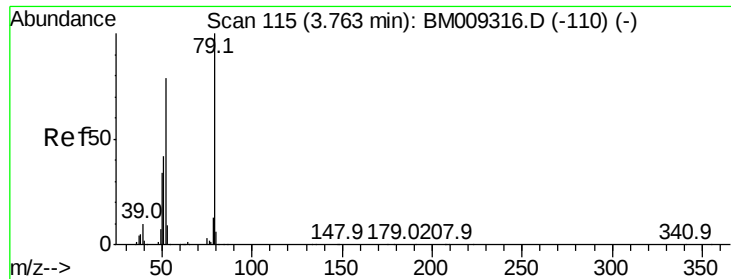
0

3.37

3.30 3.35 3.40 3.45

Time-->





#3

Pvridine

Concen: 1.79 ng

RT: 3.78 min Scan# 117

Delta R.T. 0.01 min

Lab File: BM009326.D

Acq: 22 Mar 2017 19:59

Instrument :

BNA_M

ClientSampleId :

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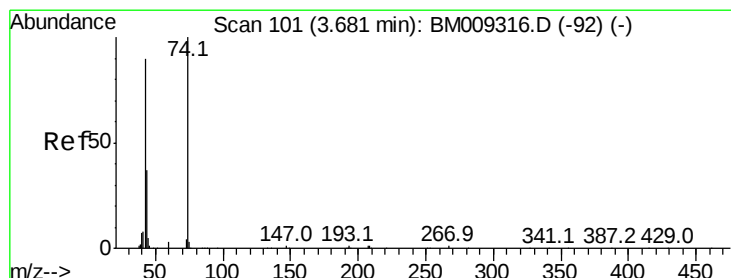
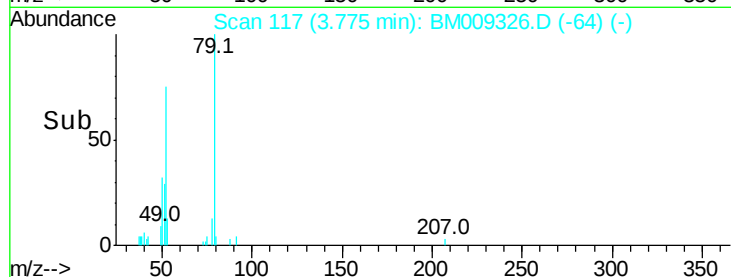
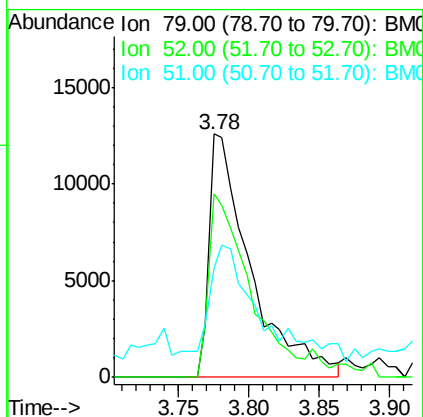
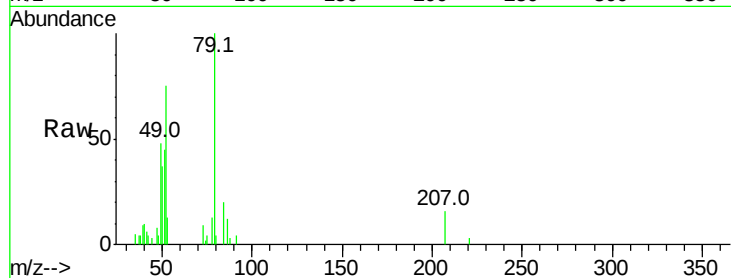
Tot Ion: 79 Resp: 25708

Ion Ratio Lower Upper

79 100

52 75.2 51.1 76.7

51 44.6 26.1 39.1#



#4

n-Nitrosodimethylamine

Concen: 1.91 ng

RT: 3.69 min Scan# 103

Delta R.T. 0.01 min

Lab File: BM009326.D

Acq: 22 Mar 2017 19:59

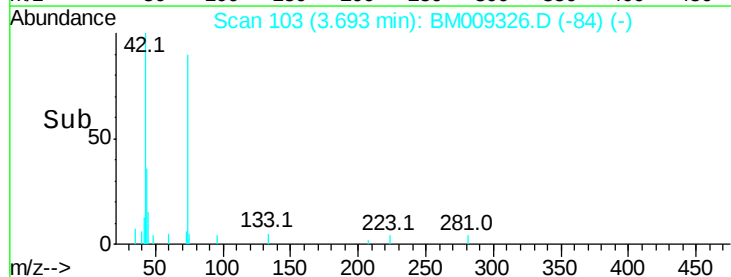
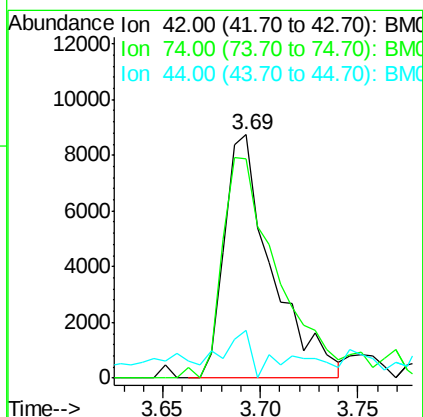
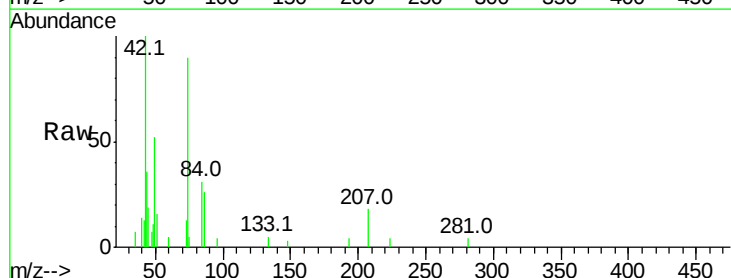
Tgt Ion: 42 Resp: 14630

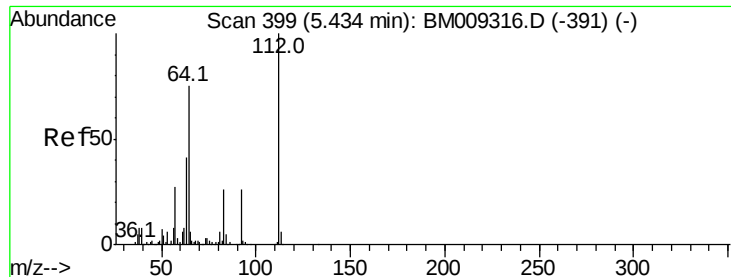
Ion Ratio Lower Upper

42 100

74 89.9 119.3 178.9#

44 19.5 5.4 8.2#





#5

2-Fluorophenol

Concen: 145.16 ng

RT: 5.43 min Scan# 399

Delta R.T. 0.00 min

Lab File: BM009326.D

Acq: 22 Mar 2017 19:59

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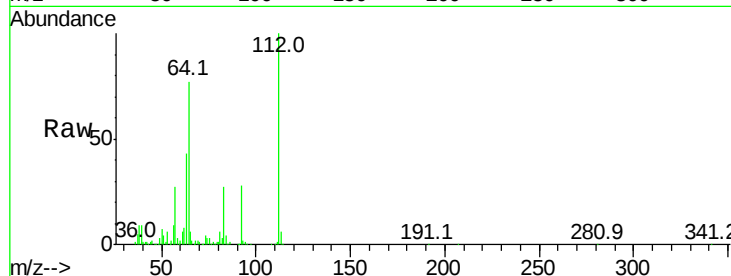
Tot Ion:112 Resp: 1466150

Ion Ratio Lower Upper

112 100

64 77.2 38.6 57.8#

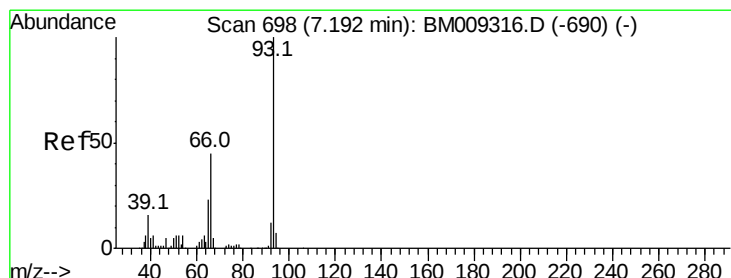
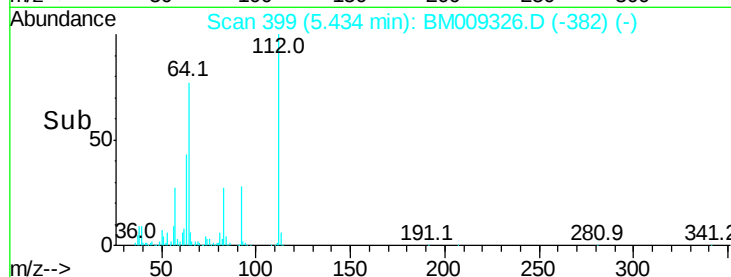
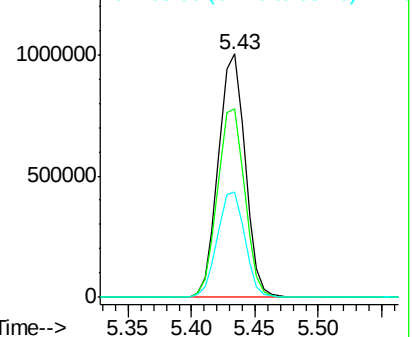
63 43.1 19.3 28.9#



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: 1.88 ng

RT: 7.19 min Scan# 698

Delta R.T. 0.00 min

Lab File: BM009326.D

Acq: 22 Mar 2017 19:59

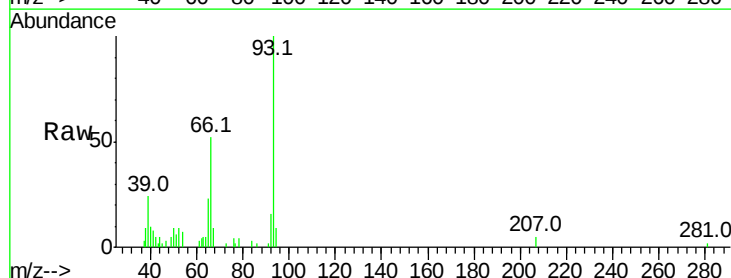
Tgt Ion: 93 Resp: 35185

Ion Ratio Lower Upper

93 100

66 52.0 30.8 46.2#

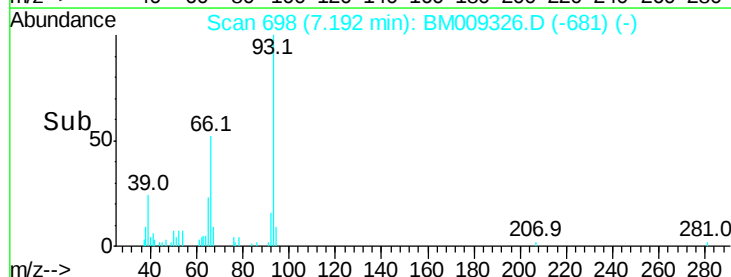
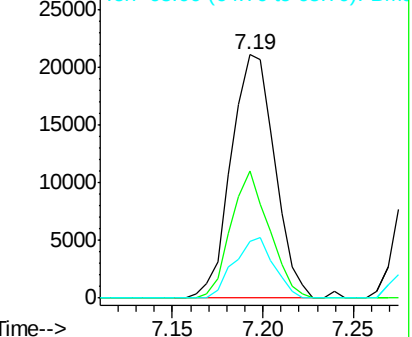
65 23.1 16.0 24.0

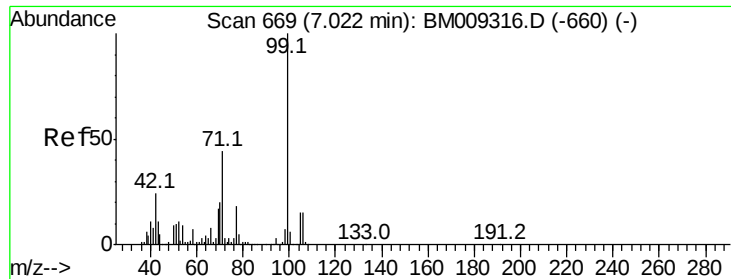


Abundance Ion 93.00 (92.70 to 93.70): B

Ion 66.00 (65.70 to 66.70): B

Ion 65.00 (64.70 to 65.70): B





#7

Phenol-d6

Concen: 144.16 ng

RT: 7.02 min Scan# 669

Delta R.T. 0.00 min

Lab File: BM009326.D

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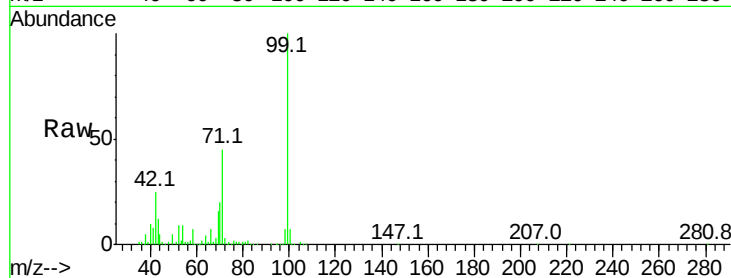
Tot Ion: 99 Resp: 198551

Ion Ratio Lower Upper

99 100

42 24.7 11.0 16.4#

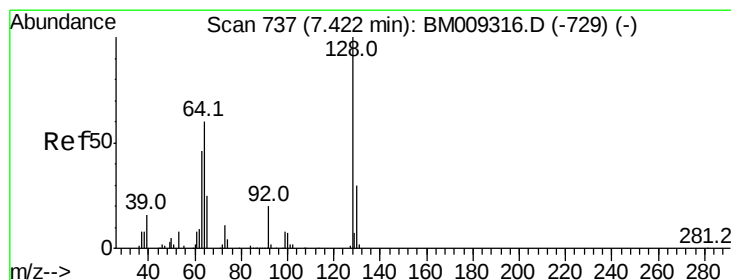
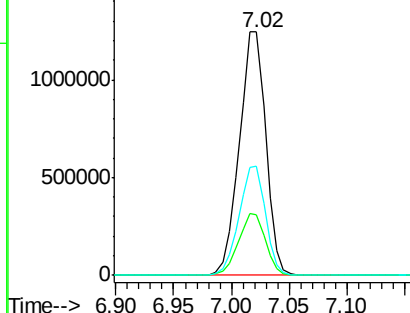
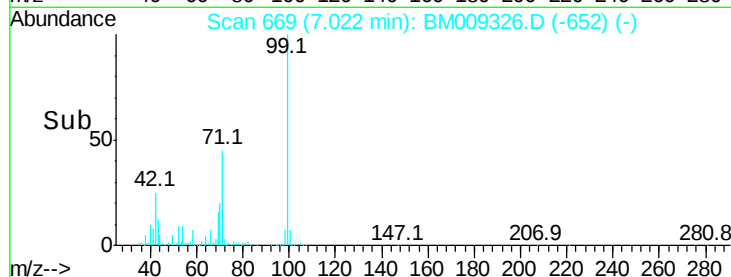
71 45.0 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM009326.D (-652) (-)

Ion 42.00 (41.70 to 42.70): BM009326.D (-652) (-)

Ion 71.00 (70.70 to 71.70): BM009326.D (-652) (-)



#8

2-Chlorophenol

Concen: 2.16 ng

RT: 7.42 min Scan# 737

Delta R.T. 0.00 min

Lab File: BM009326.D

Acq: 22 Mar 2017 19:59

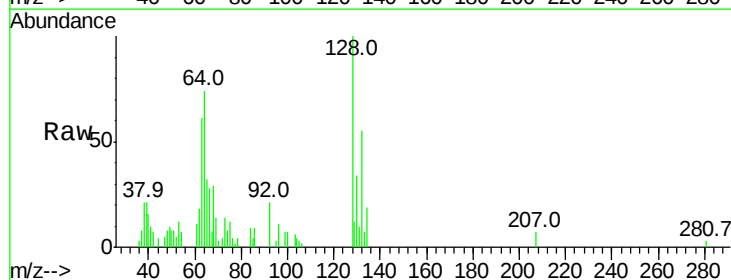
Tgt Ion: 128 Resp: 22120

Ion Ratio Lower Upper

128 100

130 34.4 12.0 52.0

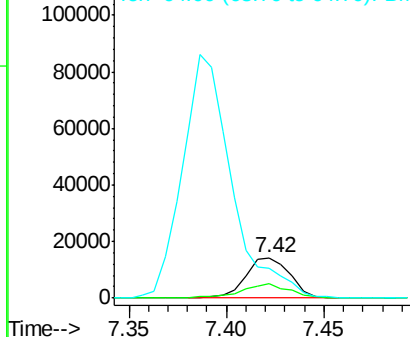
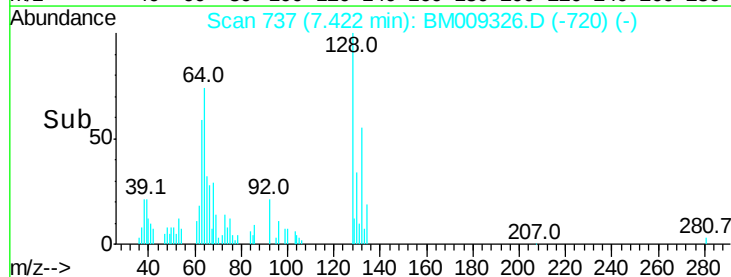
64 73.5 24.9 64.9#

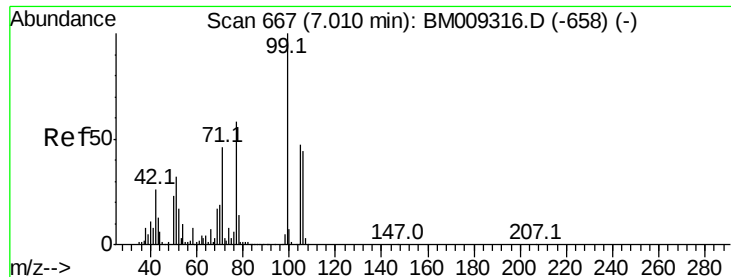


Abundance Ion 128.00 (127.70 to 128.70): BM009326.D (-720) (-)

Ion 130.00 (129.70 to 130.70): BM009326.D (-720) (-)

Ion 64.00 (63.70 to 64.70): BM009326.D (-720) (-)





#9

Benzaldehyde

Concen: 2.58 ng

RT: 7.01 min Scan# 667

Delta R.T. 0.00 min

Lab File: BM009326.D

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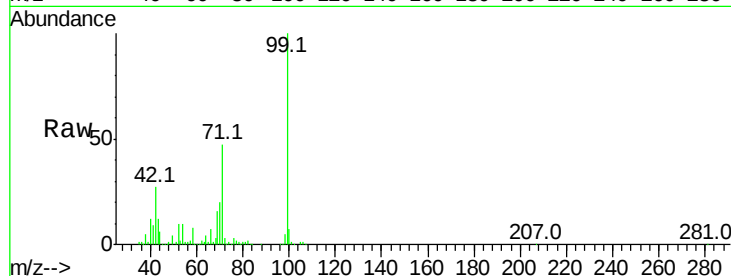
Tot Ion: 77 Resp: 27979

Ion Ratio Lower Upper

77 100

105 59.5 78.8 118.8#

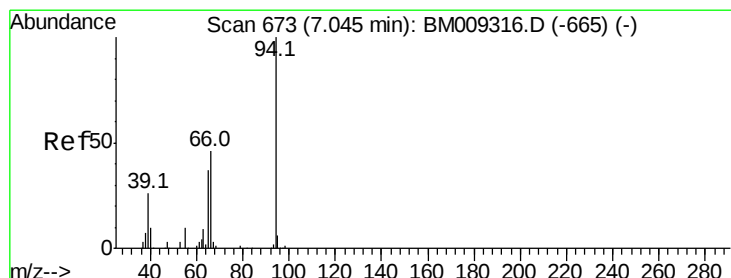
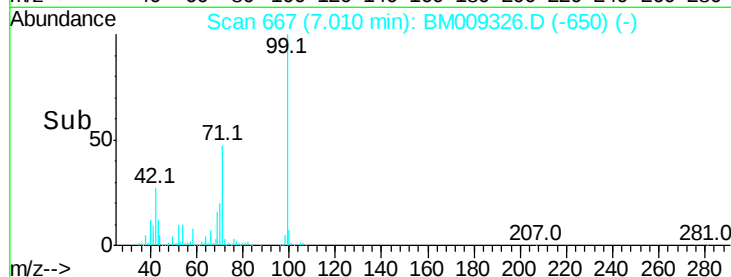
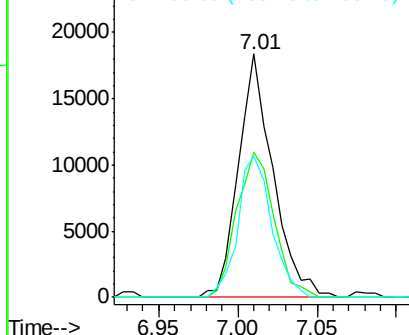
106 58.2 73.7 113.7#



Abundance Ion 77.00 (76.70 to 77.70): BM009326.D (-650) (-)

Ion 105.00 (104.70 to 105.70): BM009326.D (-650) (-)

Ion 106.00 (105.70 to 106.70): BM009326.D (-650) (-)



#10

Phenol

Concen: 2.12 ng

RT: 7.05 min Scan# 673

Delta R.T. 0.00 min

Lab File: BM009326.D

Acq: 22 Mar 2017 19:59

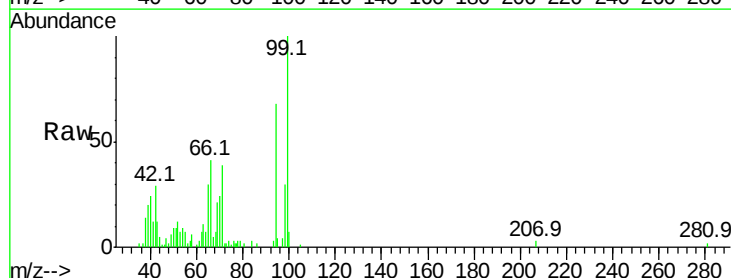
Tgt Ion: 94 Resp: 31686

Ion Ratio Lower Upper

94 100

65 44.1 18.8 58.8

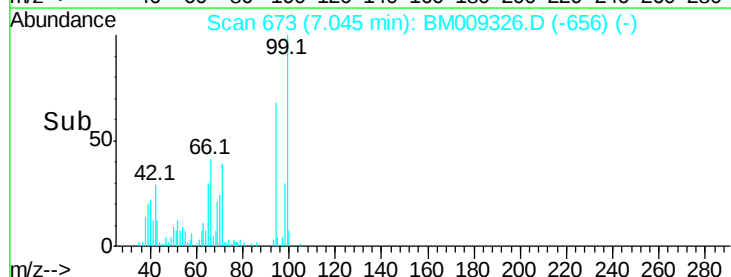
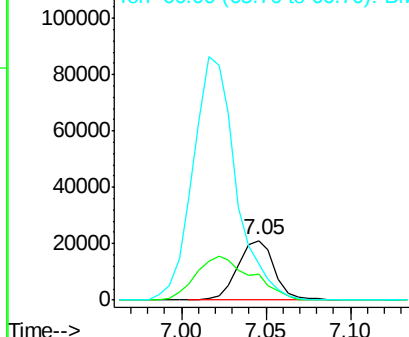
66 60.1 39.9 79.9

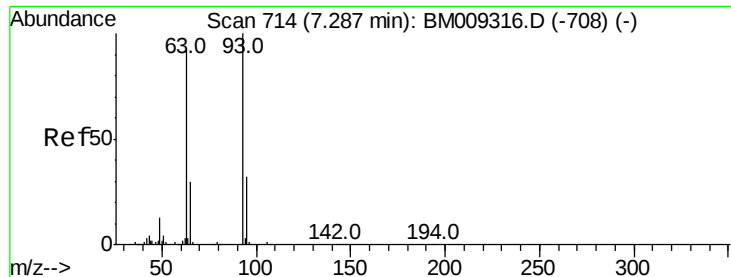


Abundance Ion 94.00 (93.70 to 94.70): BM009326.D (-656) (-)

Ion 65.00 (64.70 to 65.70): BM009326.D (-656) (-)

Ion 66.00 (65.70 to 66.70): BM009326.D (-656) (-)

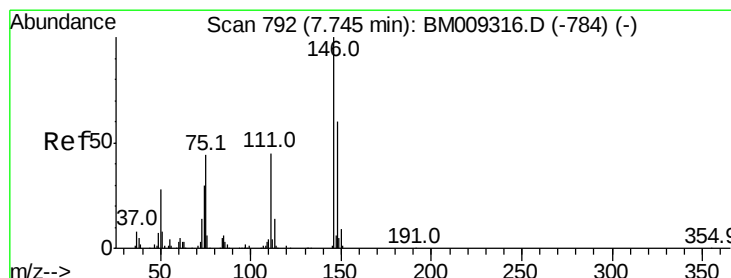
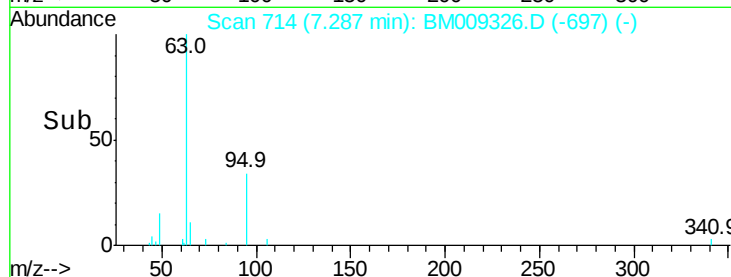
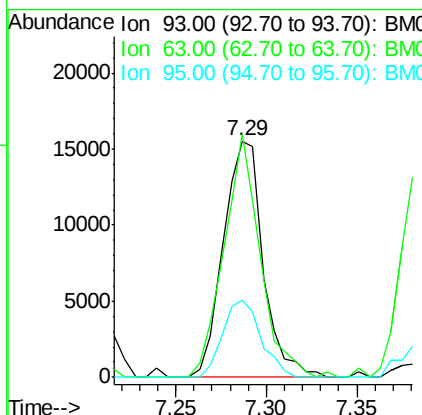
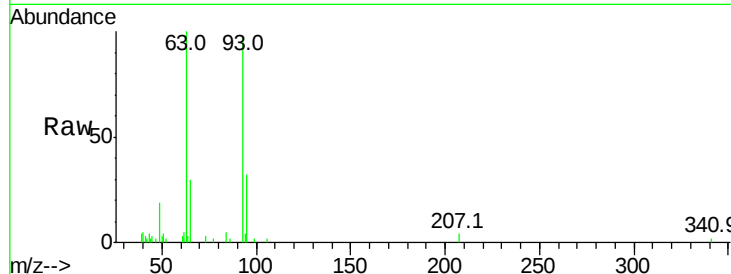




#11
bis(2-Chloroethyl)ether
Concen: 1.93 ng
RT: 7.29 min Scan# 714
Delta R.T. 0.00 min
Lab File: BM009326.D
Acq: 22 Mar 2017 19:59

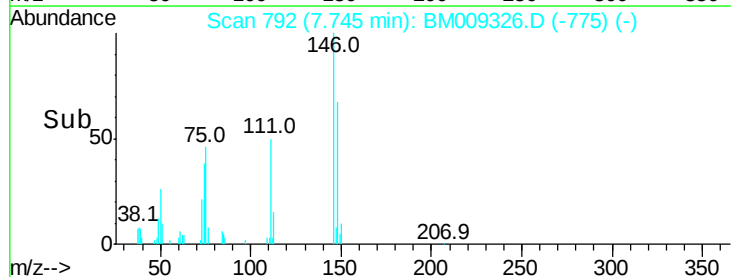
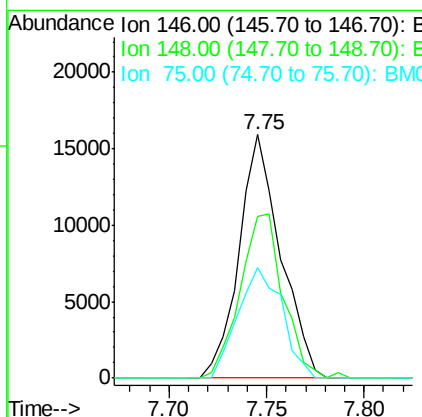
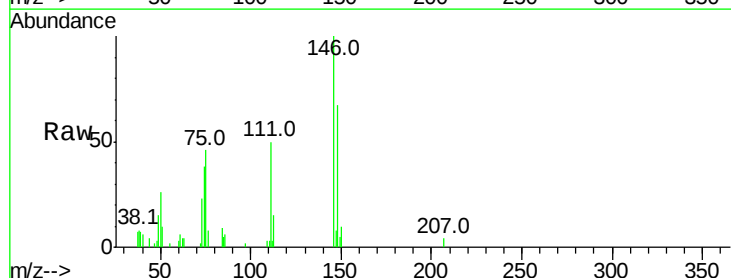
Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT2-2017

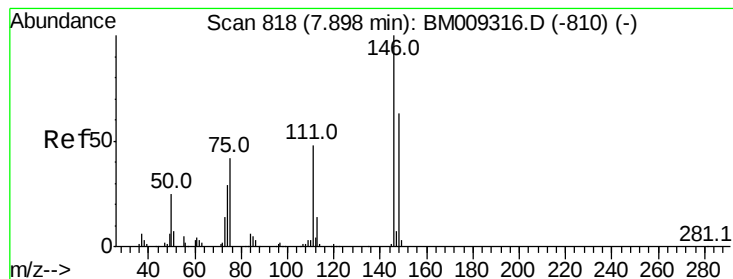
Tot Ion	Ratio	Lower	Upper
93	100		
63	103.0	49.5	89.5#
95	32.7	13.5	53.5



#12
1,3-Dichlorobenzene
Concen: 1.92 ng
RT: 7.75 min Scan# 792
Delta R.T. 0.00 min
Lab File: BM009326.D
Acq: 22 Mar 2017 19:59

Tgt Ion	Ratio	Lower	Upper
146	100		
148	66.6	50.9	76.3
75	45.6	21.4	32.2#





#13

1,4-Dichlorobenzene

Concen: 2.02 ng

RT: 7.90 min Scan# 818

Delta R.T. 0.00 min

Lab File: BM009326.D

Acq: 22 Mar 2017 19:59

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

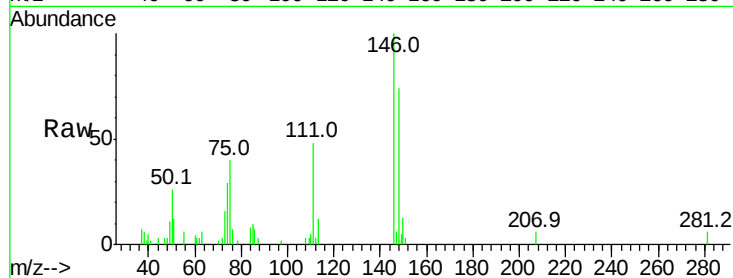
Tot Ion:146 Resp: 25611

Ion Ratio Lower Upper

146 100

148 74.0 51.9 77.9

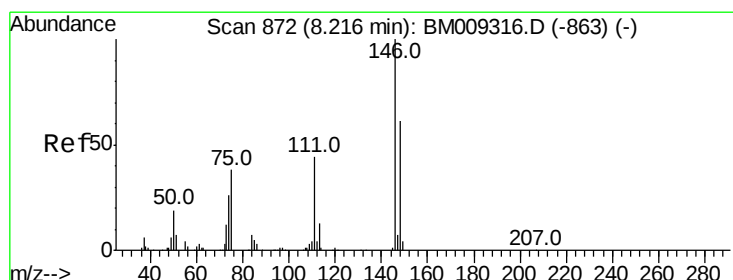
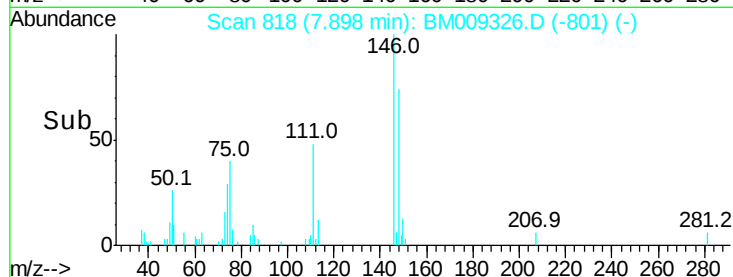
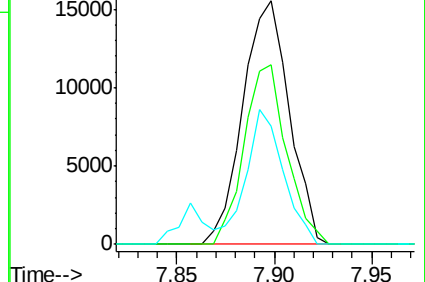
111 48.3 29.2 43.8#



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 1.91 ng

RT: 8.21 min Scan# 871

Delta R.T. -0.01 min

Lab File: BM009326.D

Acq: 22 Mar 2017 19:59

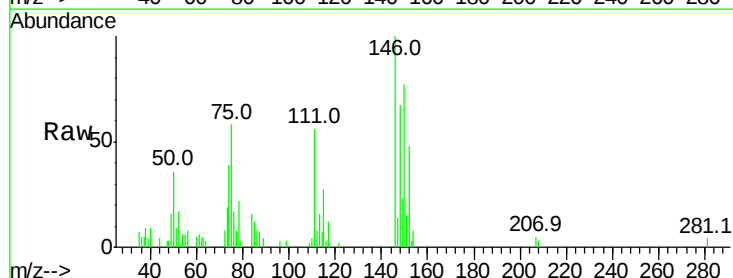
Tgt Ion:146 Resp: 23556

Ion Ratio Lower Upper

146 100

148 67.0 52.3 78.5

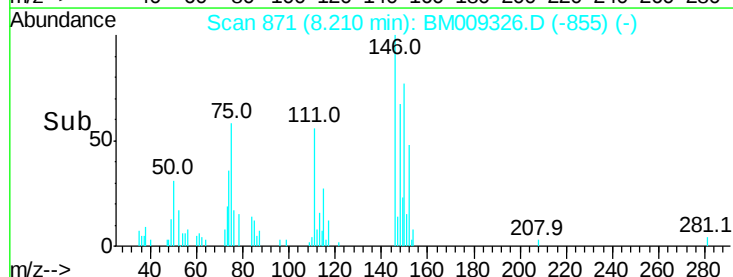
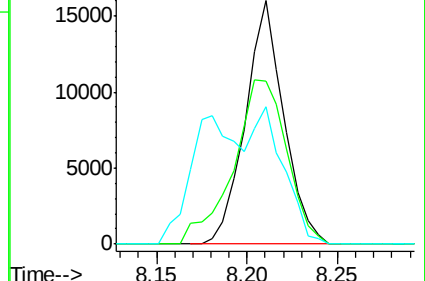
111 56.3 30.6 45.8#

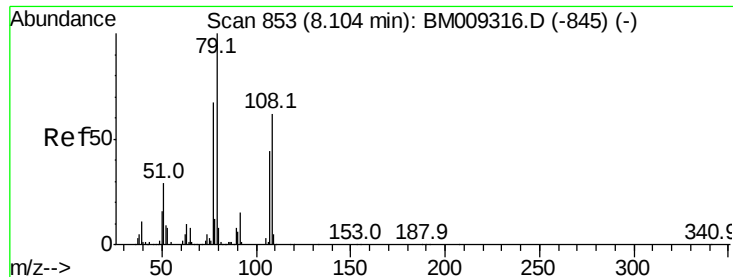


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 1.80 ng

RT: 8.10 min Scan# 853

Delta R.T. 0.00 min

Lab File: BM009326.D

Acq: 22 Mar 2017 19:59

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

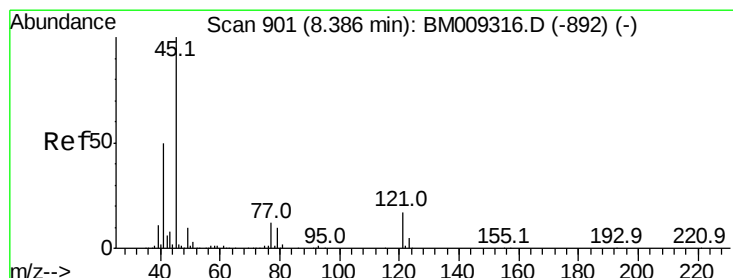
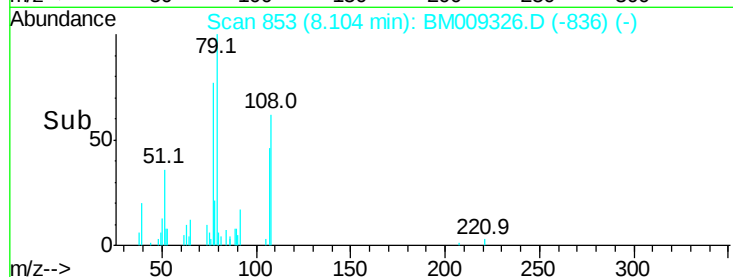
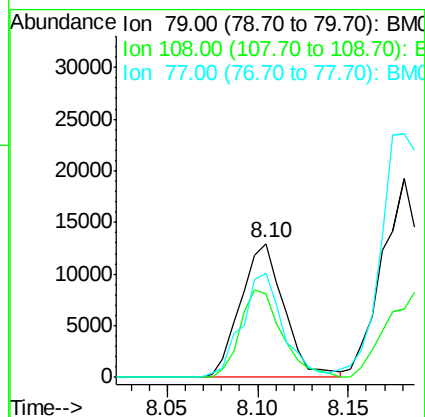
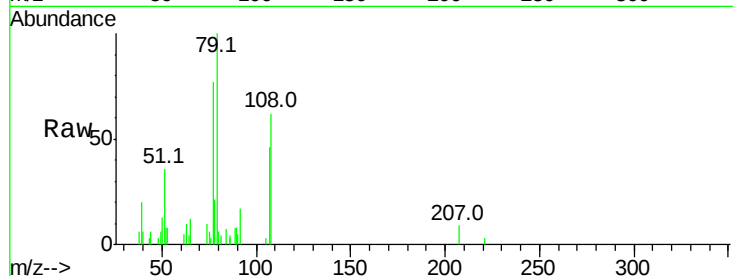
Tot Ion: 79 Resp: 21668

Ion Ratio Lower Upper

79 100

108 62.2 65.0 97.4#

77 77.4 53.0 79.6



#16

2,2'-oxybis(1-Chloropropane)

Concen: 2.07 ng

RT: 8.37 min Scan# 899

Delta R.T. -0.01 min

Lab File: BM009326.D

Acq: 22 Mar 2017 19:59

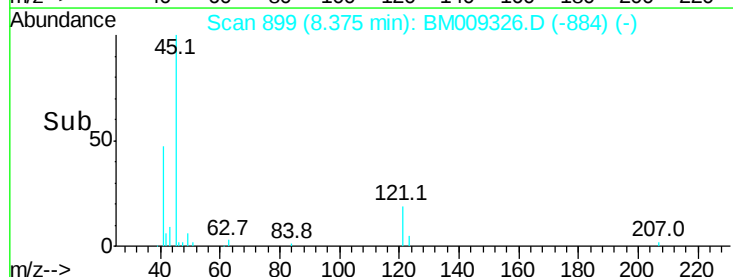
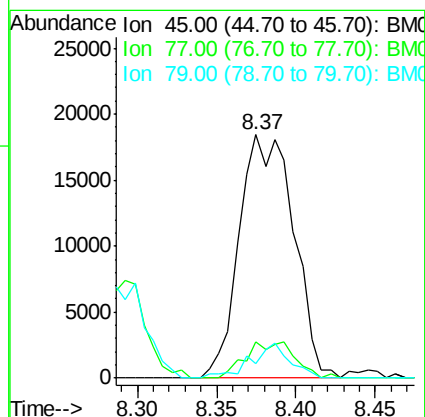
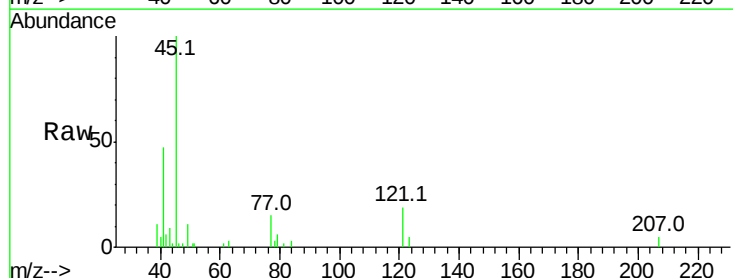
Tgt Ion: 45 Resp: 44007

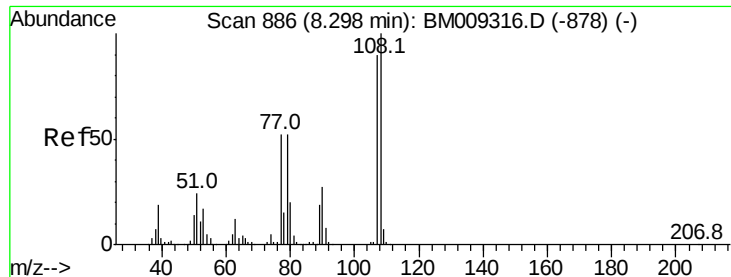
Ion Ratio Lower Upper

45 100

77 15.1 0.0 35.2

79 6.1 0.0 32.0





#17

2-Methylphenol

Concen: 1.76 ng

RT: 8.29 min Scan# 885

Delta R.T. -0.01 min

Lab File: BM009326.D

Acq: 22 Mar 2017 19:59

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

Tot Ion:107 Resp: 17219

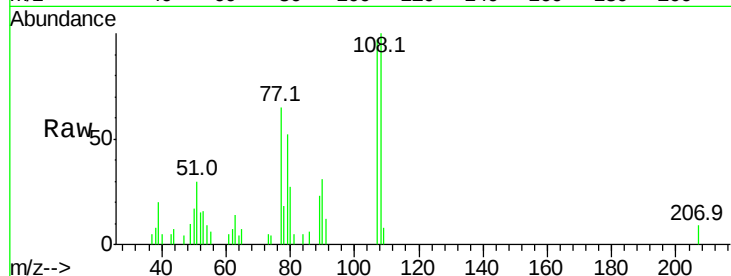
Ion Ratio Lower Upper

107 100

108 102.6 89.8 134.8

77 66.8 32.6 48.8#

79 53.7 32.8 49.2#

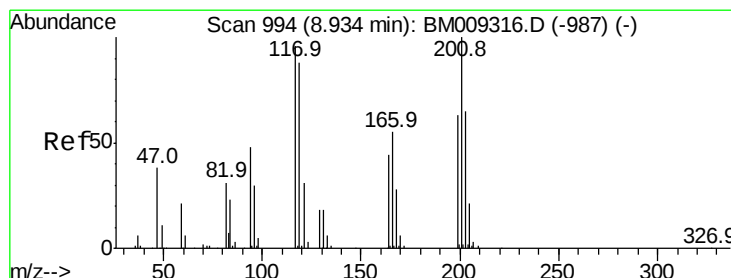
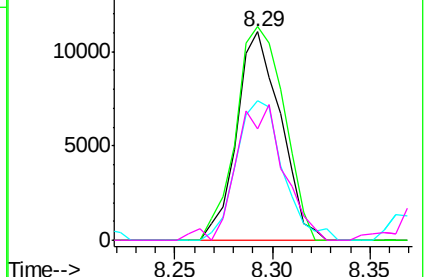
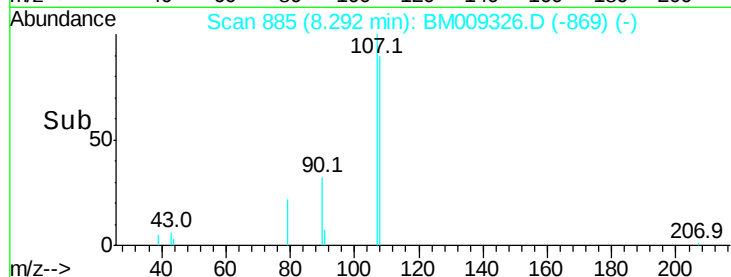


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BM

Ion 79.00 (78.70 to 79.70): BM



#18

Hexachloroethane

Concen: 1.80 ng

RT: 8.93 min Scan# 993

Delta R.T. -0.01 min

Lab File: BM009326.D

Acq: 22 Mar 2017 19:59

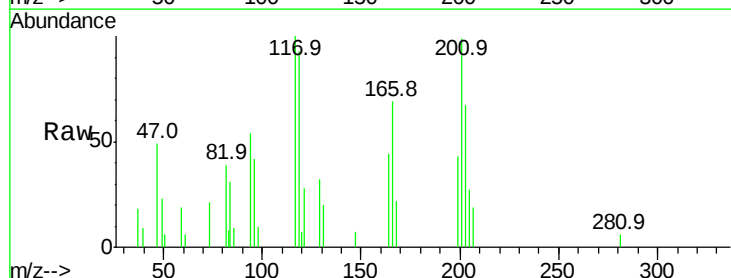
Tgt Ion:117 Resp: 9311

Ion Ratio Lower Upper

117 100

119 92.7 79.2 118.8

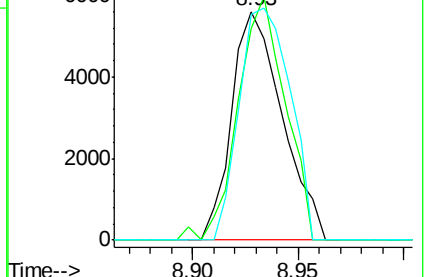
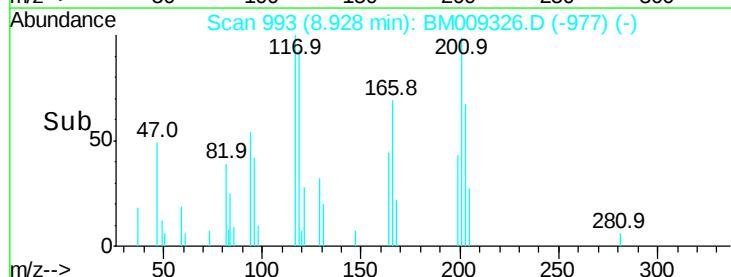
201 98.6 69.8 104.6

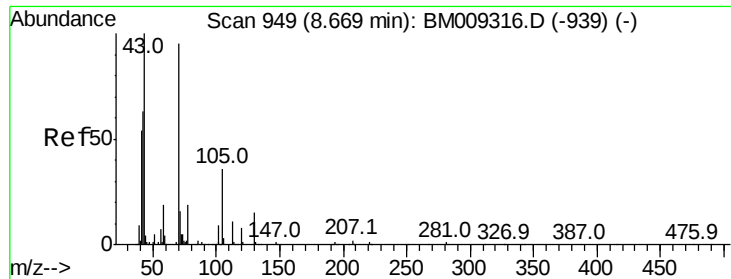


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

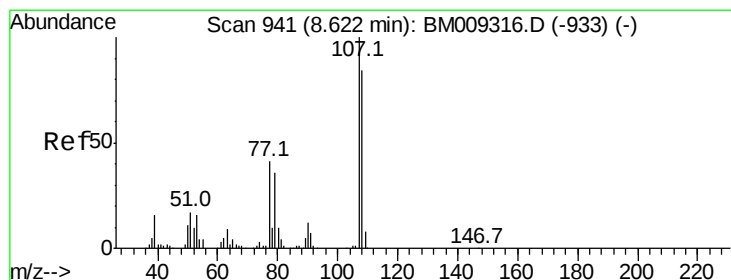
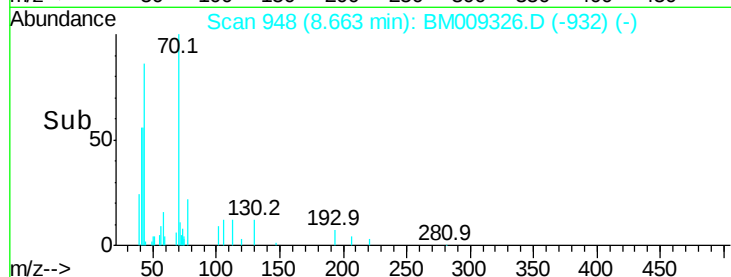
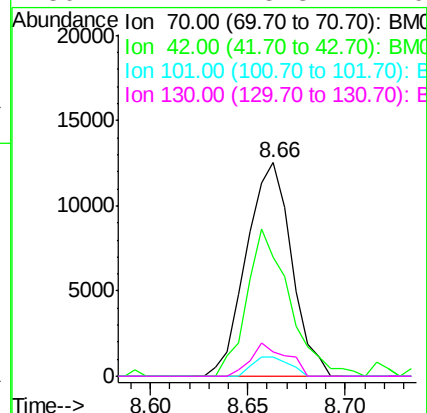
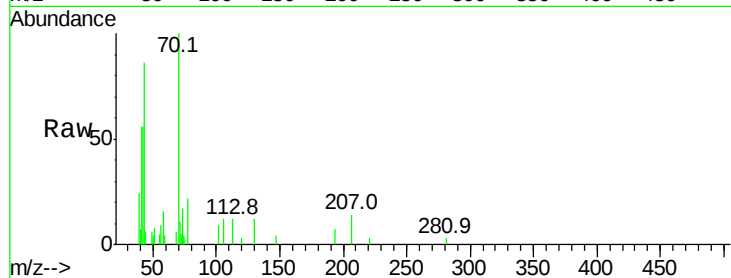




#19
 n-Nitroso-di-n-propylamine
 Concen: 1.81 ng
 RT: 8.66 min Scan# 948
 Delta R.T. -0.01 min
 Lab File: BM009326.D
 Acq: 22 Mar 2017 19:59

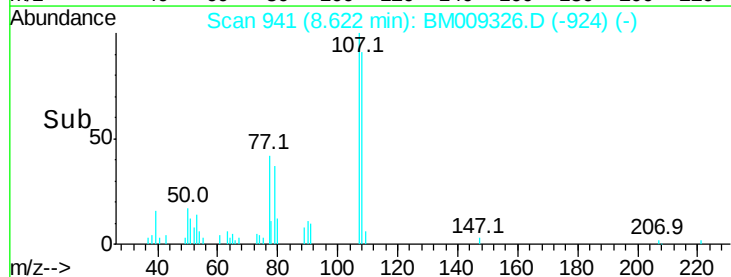
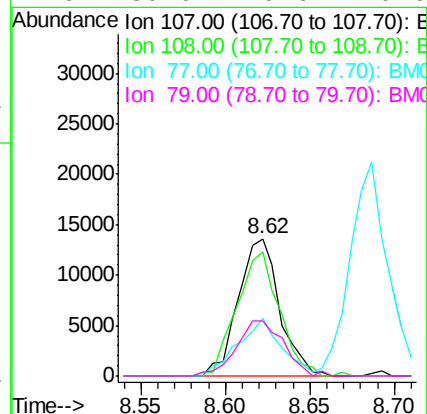
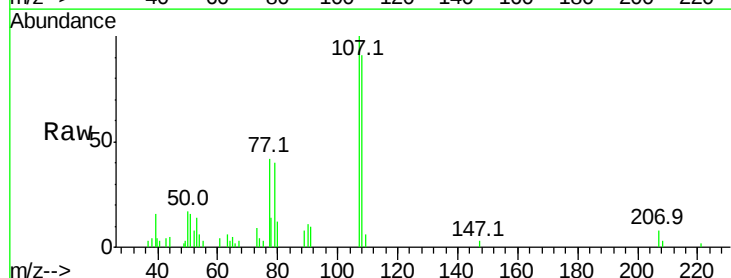
Instrument :
 BNA_M
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

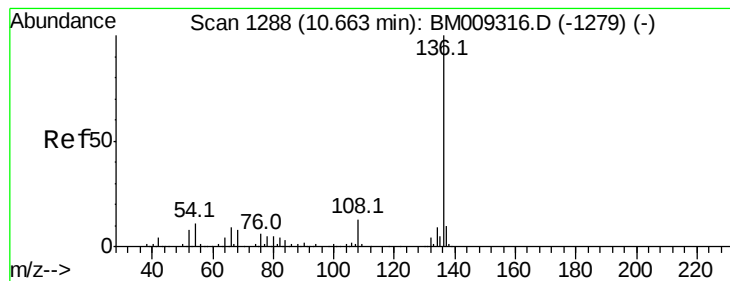
Tot Ion:	70	Resp:	20129
Ion	Ratio	Lower	Upper
70	100		
42	55.7	44.5	66.7
101	9.2	7.4	11.2
130	11.7	15.3	22.9#



#20
 3+4-Methylphenols
 Concen: 1.75 ng
 RT: 8.62 min Scan# 941
 Delta R.T. 0.00 min
 Lab File: BM009326.D
 Acq: 22 Mar 2017 19:59

Tgt Ion:	107	Resp:	23200
Ion	Ratio	Lower	Upper
107	100		
108	90.7	73.2	113.2
77	42.2	10.7	50.7
79	39.9	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: BM009326.D

Acq: 22 Mar 2017 19:59

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

Tot Ion:136 Resp: 610151

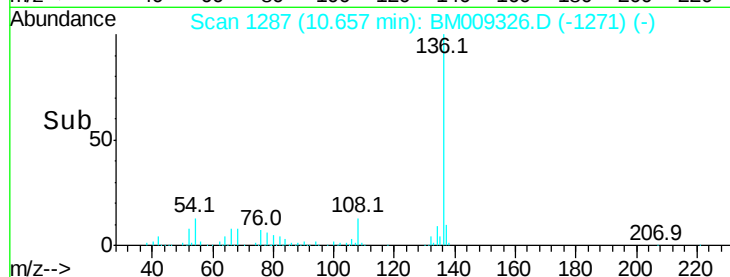
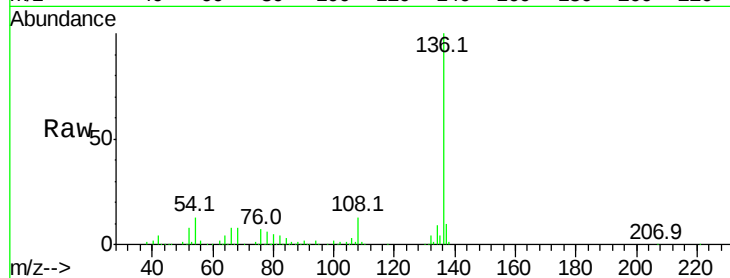
Ion Ratio Lower Upper

136 100

137 10.2 8.7 13.1

54 12.8 4.6 6.8#

68 8.3 3.7 5.5#



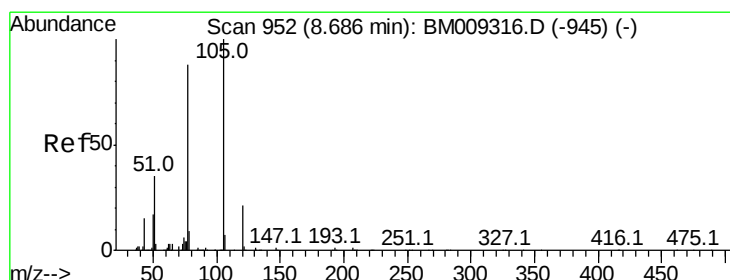
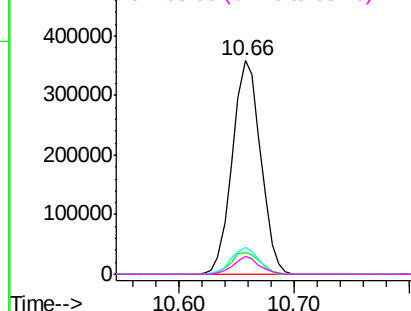
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM

Ion 68.00 (67.70 to 68.70): BM



#22

Acetophenone

Concen: 2.01 ng

RT: 8.69 min Scan# 952

Delta R.T. 0.00 min

Lab File: BM009326.D

Acq: 22 Mar 2017 19:59

Tgt Ion:105 Resp: 34516

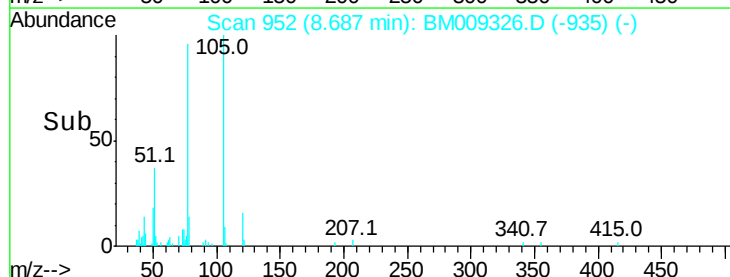
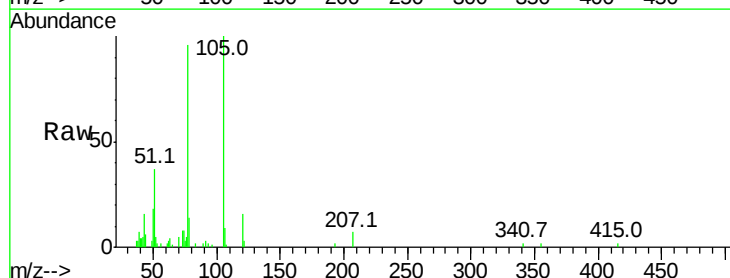
Ion Ratio Lower Upper

105 100

71 0.0 0.6 1.0#

51 36.5 21.6 32.4#

120 16.3 16.1 24.1



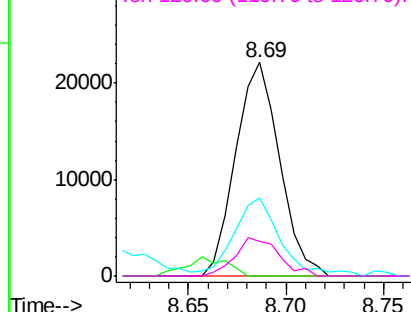
Abundance

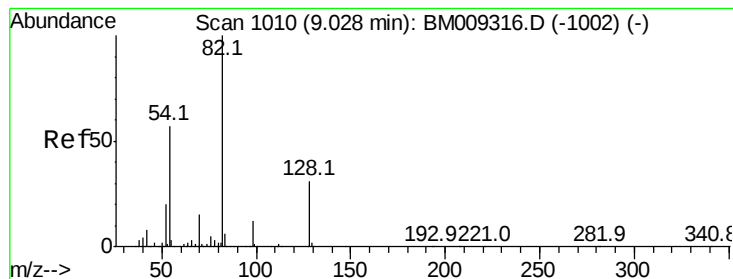
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BM

Ion 51.00 (50.70 to 51.70): BM

Ion 120.00 (119.70 to 120.70): E





#23

Nitrobenzene-d5

Concen: 91.39 ng

RT: 9.03 min Scan# 1010

Delta R.T. 0.00 min

Lab File: BM009326.D

Acq: 22 Mar 2017 19:59

Instrument :

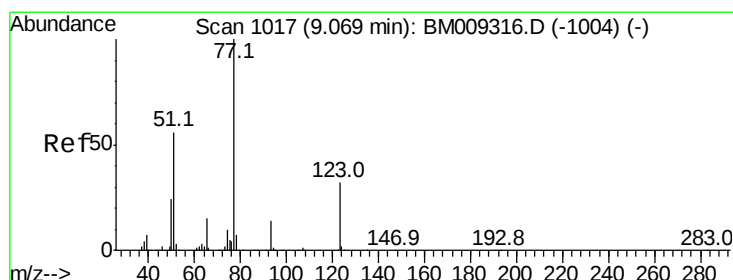
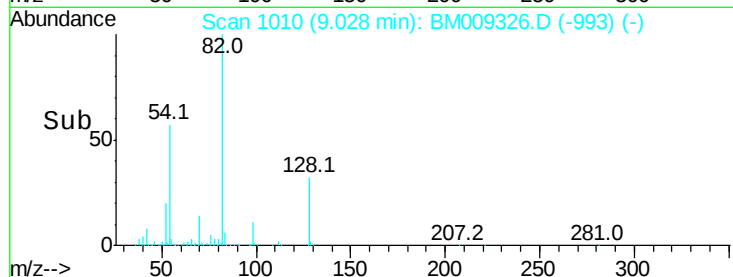
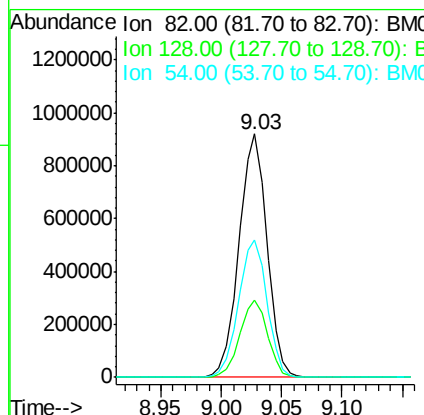
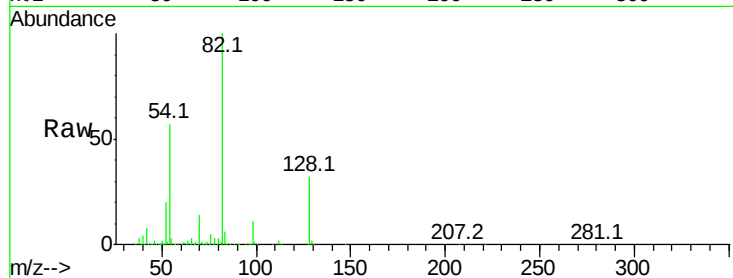
BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

Tot Ion: 82 Resp: 1487180

Ion	Ratio	Lower	Upper
82	100		
128	31.7	32.8	49.2#
54	56.6	40.6	60.8



#24

Nitrobenzene

Concen: 2.13 ng

RT: 9.07 min Scan# 1017

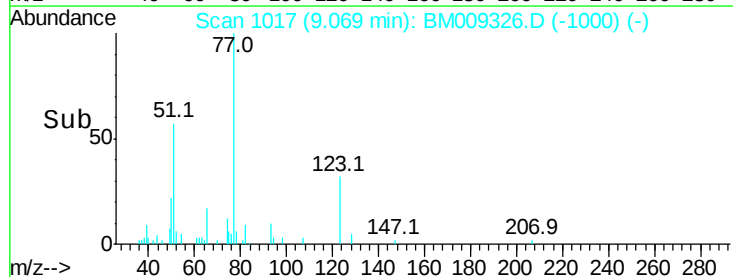
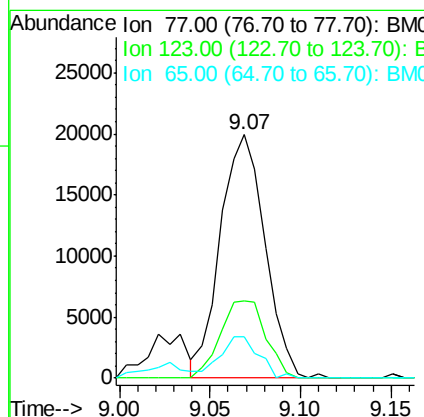
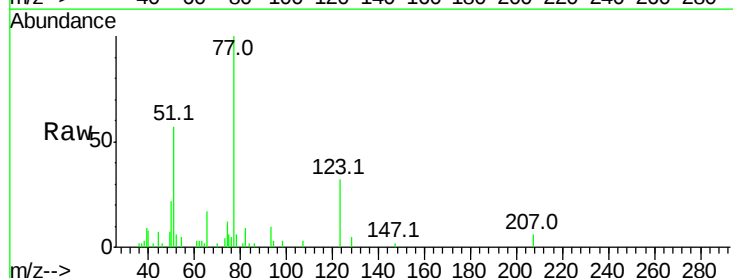
Delta R.T. 0.00 min

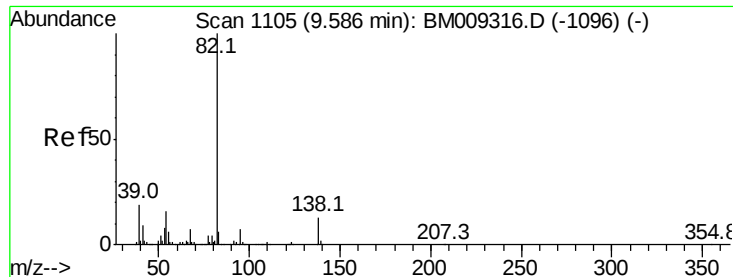
Lab File: BM009326.D

Acq: 22 Mar 2017 19:59

Tgt Ion: 77 Resp: 34022

Ion	Ratio	Lower	Upper
77	100		
123	31.9	32.6	49.0#
65	17.1	10.9	16.3#





#25

Isophorone

Concen: 1.82 ng

RT: 9.59 min Scan# 1105

Delta R.T. 0.00 min

Lab File: BM009326.D

Acq: 22 Mar 2017 19:59

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

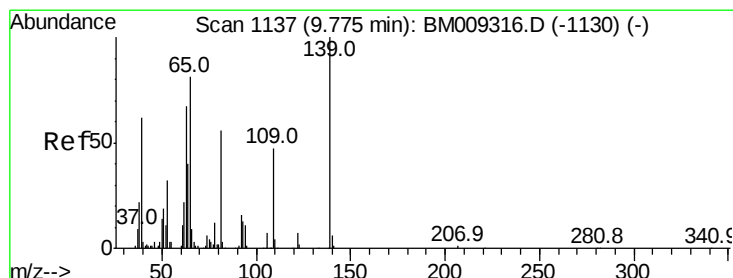
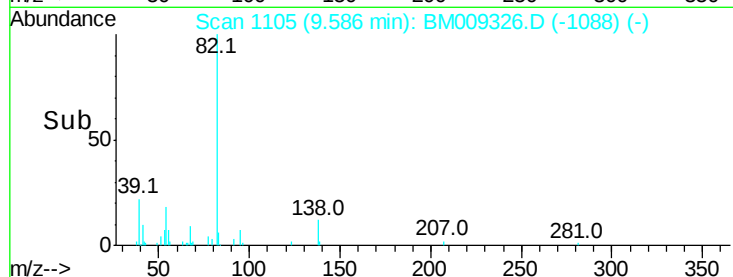
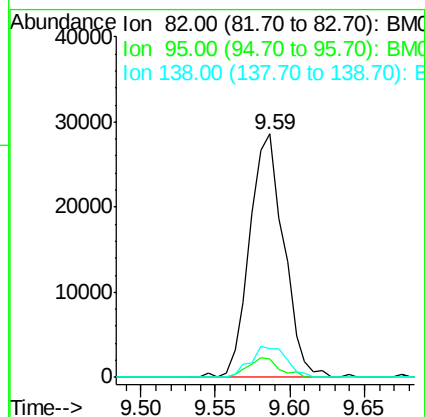
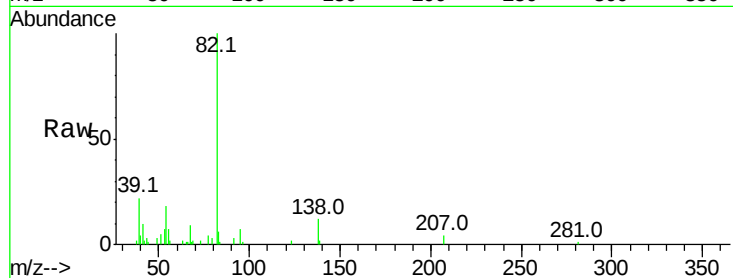
Tot Ion: 82 Resp: 45172

Ion Ratio Lower Upper

82 100

95 7.5 5.8 8.6

138 12.0 16.3 24.5#



#26

2-Nitrophenol

Concen: 1.63 ng

RT: 9.78 min Scan# 1138

Delta R.T. 0.01 min

Lab File: BM009326.D

Acq: 22 Mar 2017 19:59

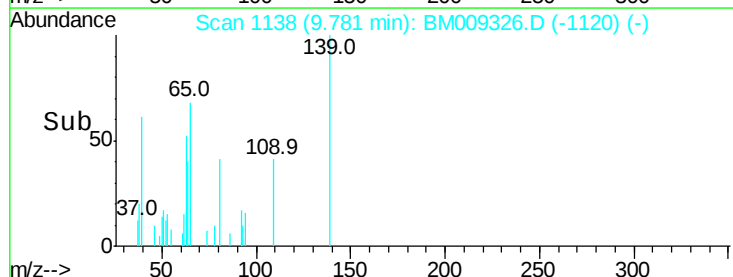
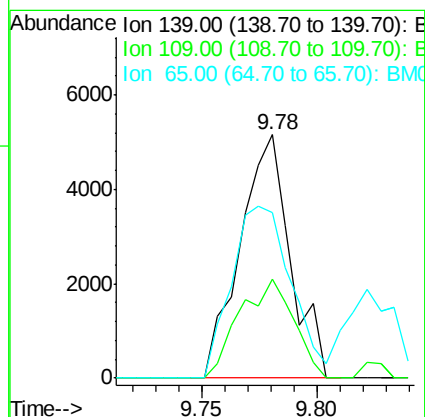
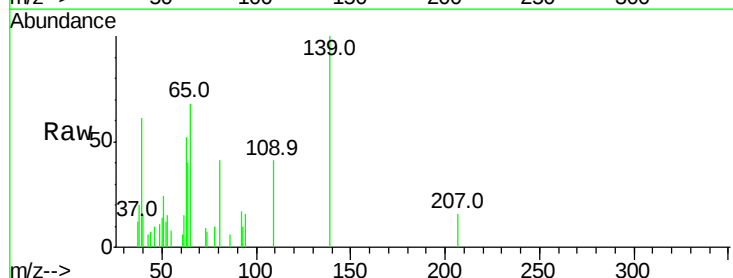
Tgt Ion: 139 Resp: 7819

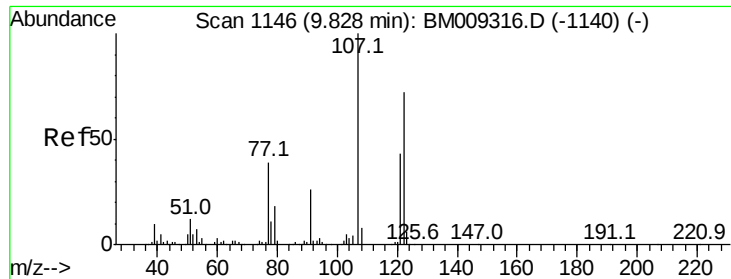
Ion Ratio Lower Upper

139 100

109 40.9 20.1 30.1#

65 68.0 31.5 47.3#

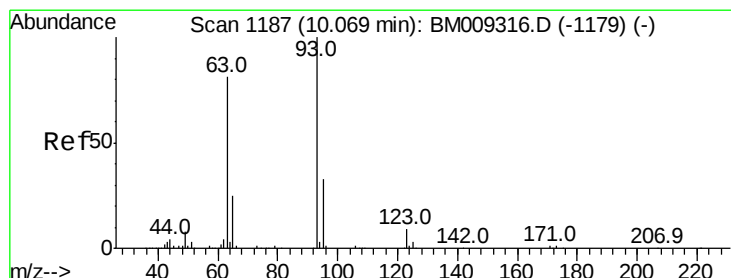
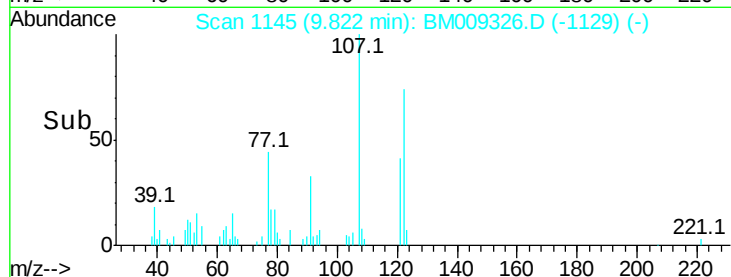
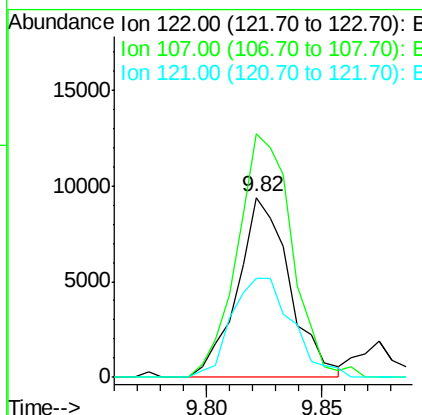
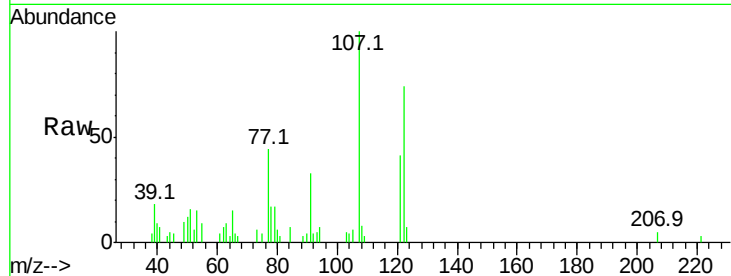




#27
2,4-Dimethylphenol
Concen: 1.68 ng
RT: 9.82 min Scan# 1145
Delta R.T. -0.01 min
Lab File: BM009326.D
Acq: 22 Mar 2017 19:59

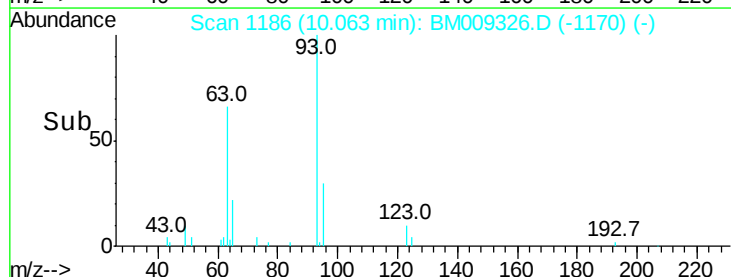
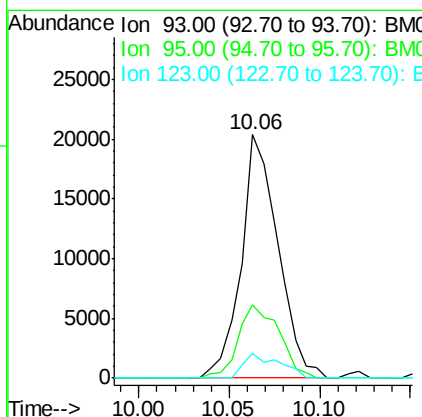
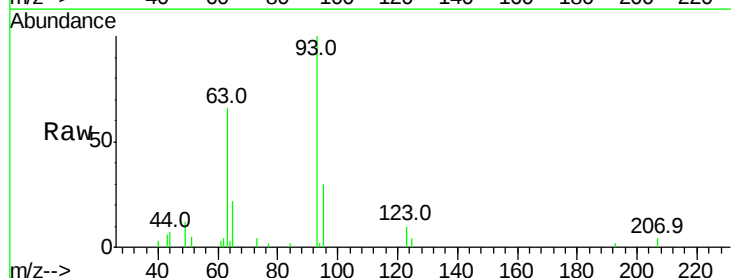
Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT2-2017

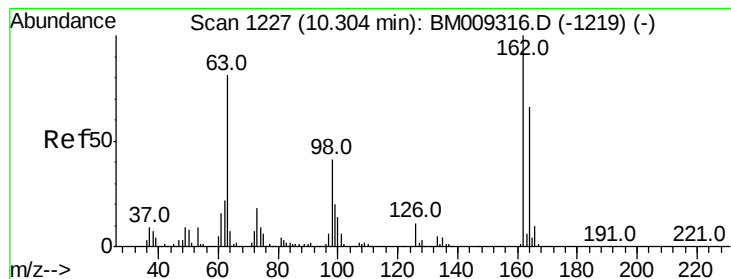
Tot Ion:122 Resp: 14769
Ion Ratio Lower Upper
122 100
107 135.4 84.7 127.1#
121 55.0 46.6 69.8



#28
bis(2-Chloroethoxy)methane
Concen: 1.87 ng
RT: 10.06 min Scan# 1186
Delta R.T. -0.01 min
Lab File: BM009326.D
Acq: 22 Mar 2017 19:59

Tgt Ion: 93 Resp: 28781
Ion Ratio Lower Upper
93 100
95 30.1 25.5 38.3
123 10.1 8.6 13.0





#29

2,4-Dichlorophenol

Concen: 1.69 ng

RT: 10.30 min Scan# 1227

Delta R.T. 0.00 min

Lab File: BM009326.D

Acq: 22 Mar 2017 19:59

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

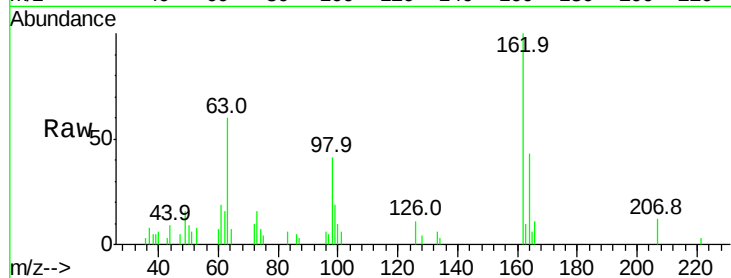
Tot Ion:162 Resp: 15553

Ion Ratio Lower Upper

162 100

164 42.9 42.8 82.8

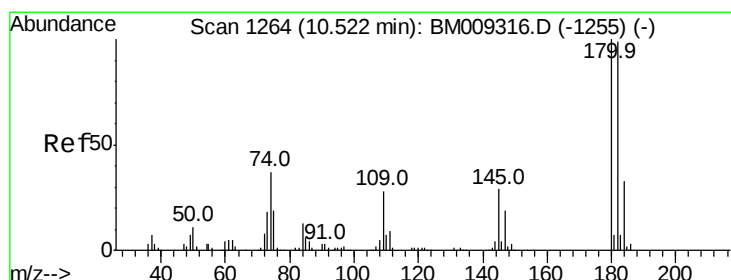
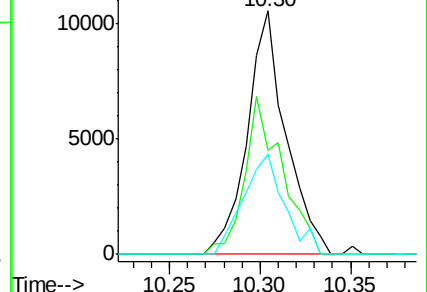
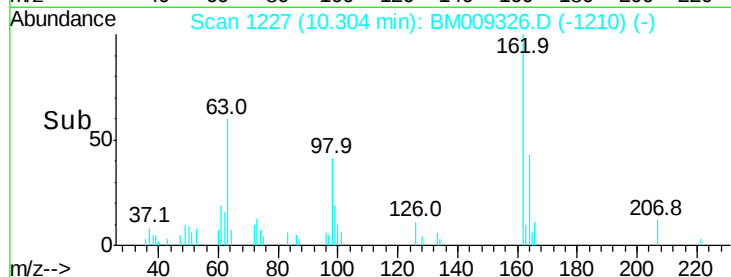
98 41.3 14.5 54.5



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: 2.06 ng

RT: 10.52 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BM009326.D

Acq: 22 Mar 2017 19:59

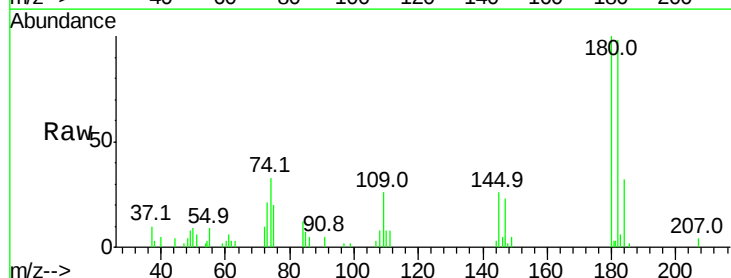
Tgt Ion:180 Resp: 23524

Ion Ratio Lower Upper

180 100

182 97.6 77.6 116.4

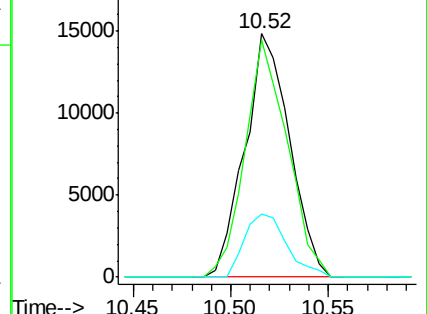
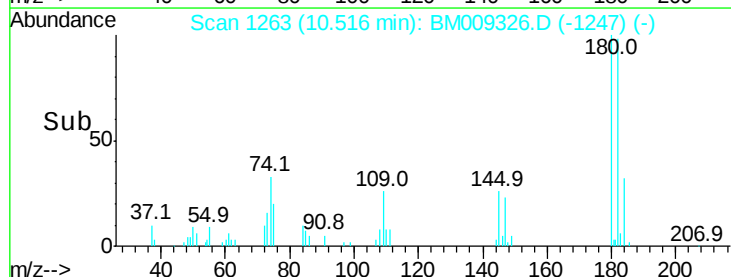
145 25.8 23.4 35.2

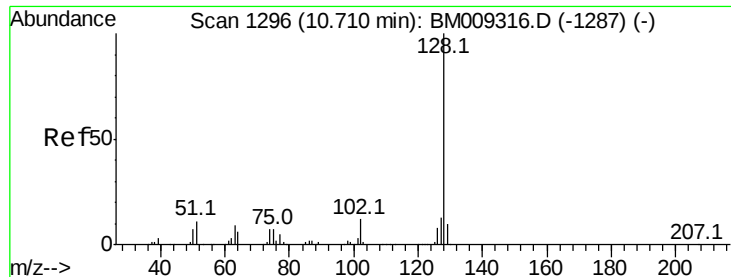


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

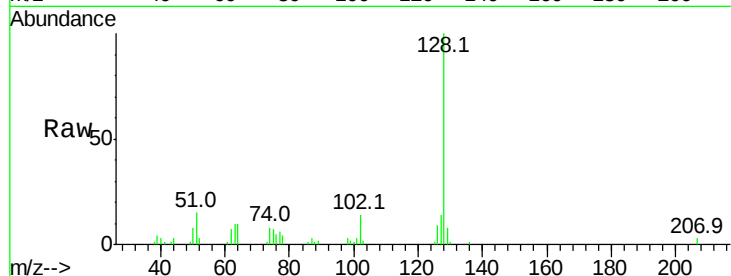




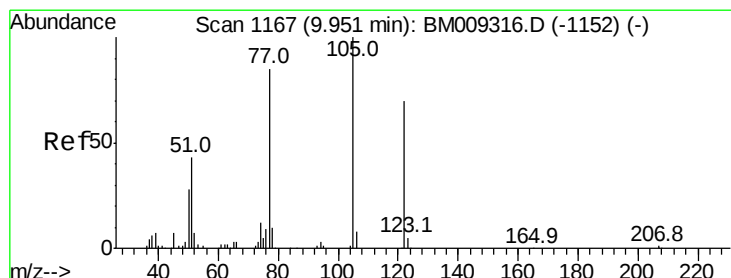
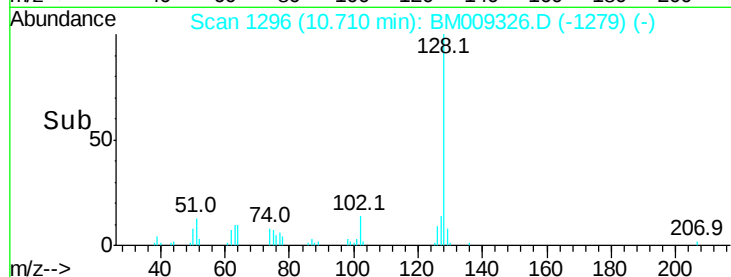
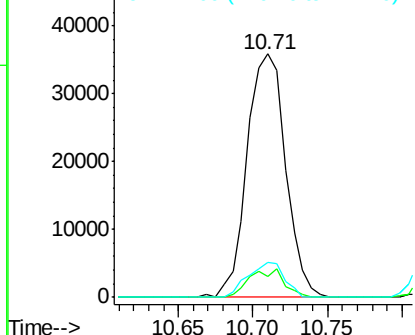
#31
Naphthalene
Concen: 1.97 ng
RT: 10.71 min Scan# 1296
Delta R.T. 0.00 min
Lab File: BM009326.D
Acq: 22 Mar 2017 19:59

Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT2-2017

Tot Ion	Ratio	Lower	Upper
128	100		
129	8.4	8.9	13.3#
127	14.4	10.4	15.6

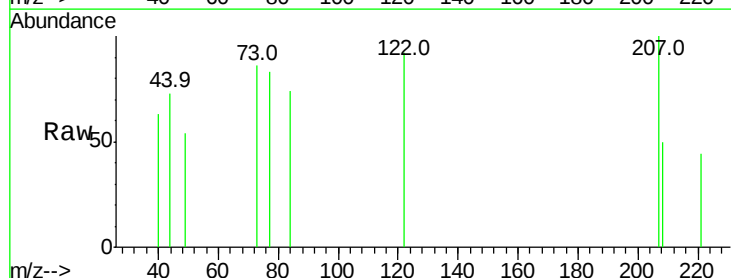


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

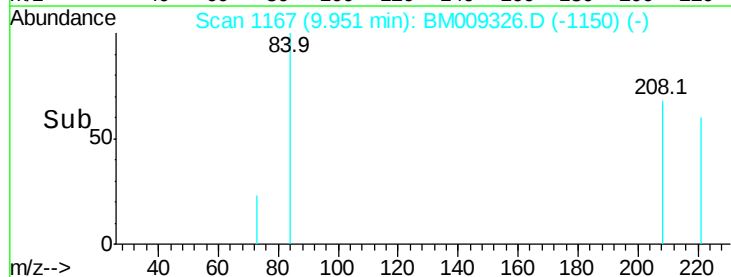
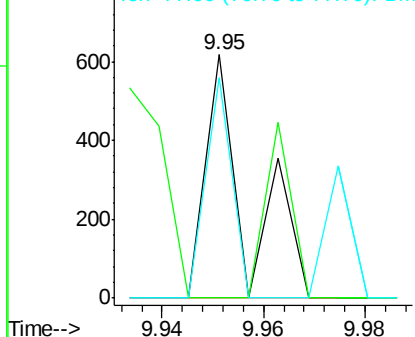


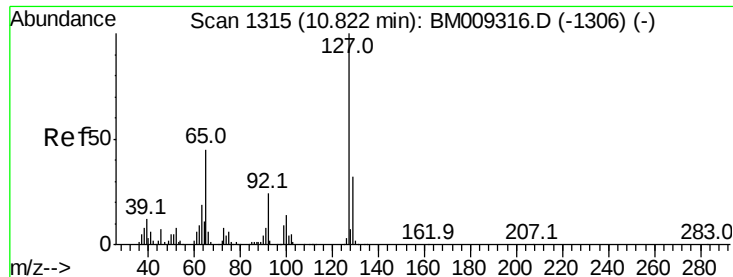
#32
Benzoic acid
Concen: 0.06 ng
RT: 9.95 min Scan# 1167
Delta R.T. 0.00 min
Lab File: BM009326.D
Acq: 22 Mar 2017 19:59

Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	99.9	139.9#
77	90.5	73.7	113.7



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BM

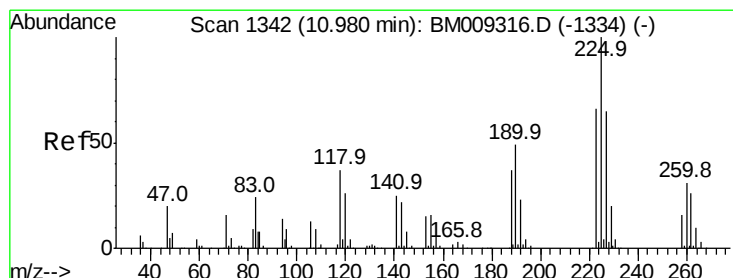
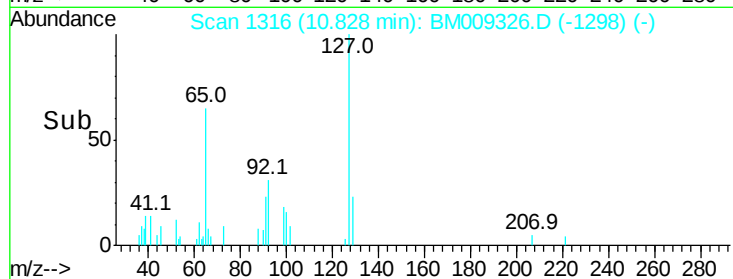
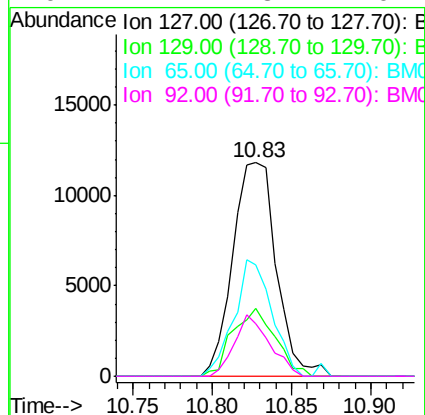
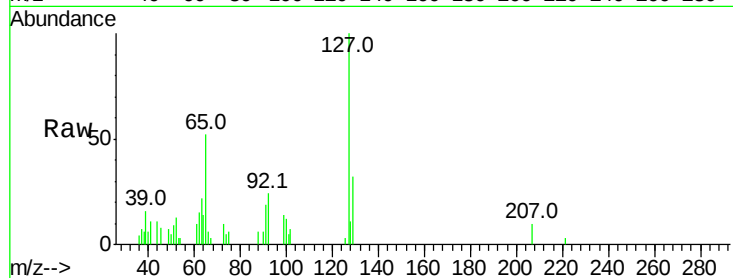




#33
4-Chloroaniline
Concen: 1.80 ng
RT: 10.83 min Scan# 1316
Delta R.T. 0.01 min
Lab File: BM009326.D
Acq: 22 Mar 2017 19:59

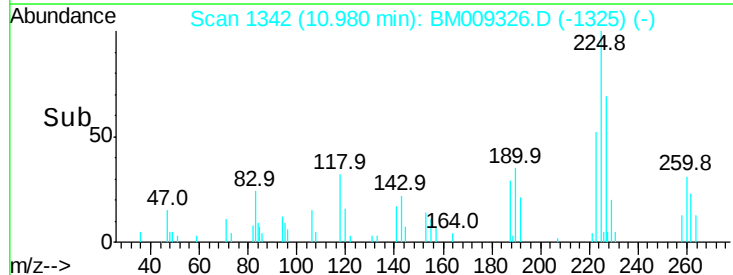
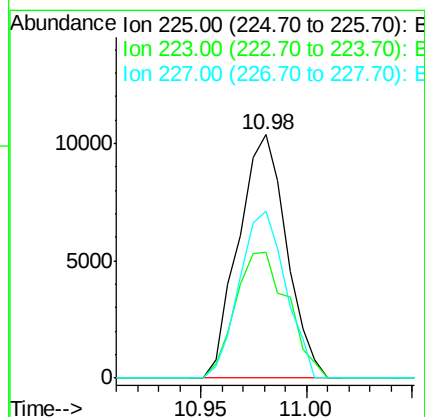
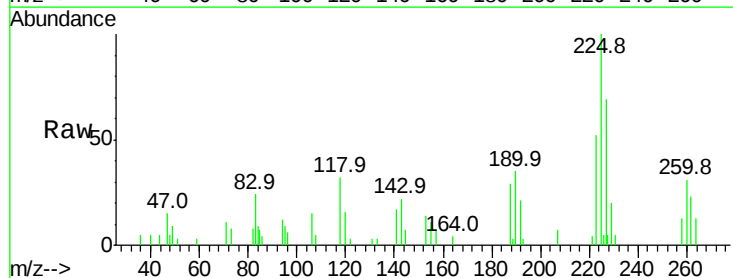
Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT2-2017

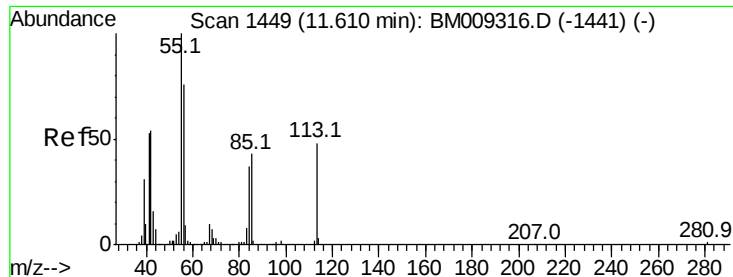
Tot Ion:	127	Resp:	22508
Ion	Ratio	Lower	Upper
127	100		
129	31.9	25.3	37.9
65	51.9	17.6	26.4
92	24.4	13.1	19.7



#34
Hexachlorobutadiene
Concen: 2.10 ng
RT: 10.98 min Scan# 1342
Delta R.T. 0.00 min
Lab File: BM009326.D
Acq: 22 Mar 2017 19:59

Tgt Ion:	225	Resp:	16386
Ion	Ratio	Lower	Upper
225	100		
223	51.5	47.9	71.9
227	73.9	50.1	75.1

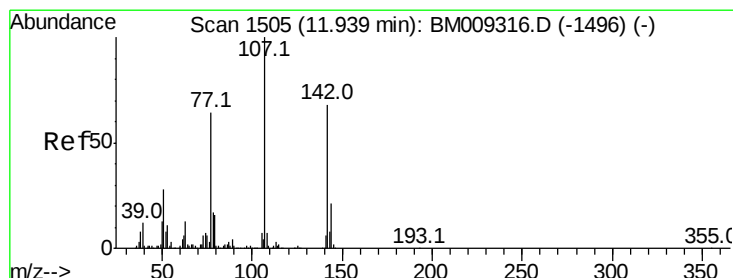
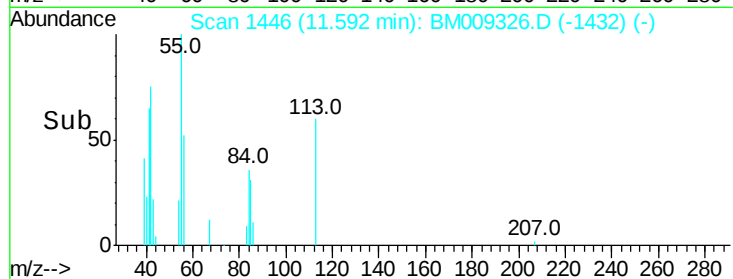
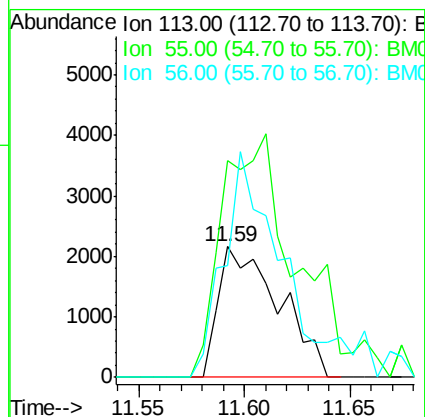
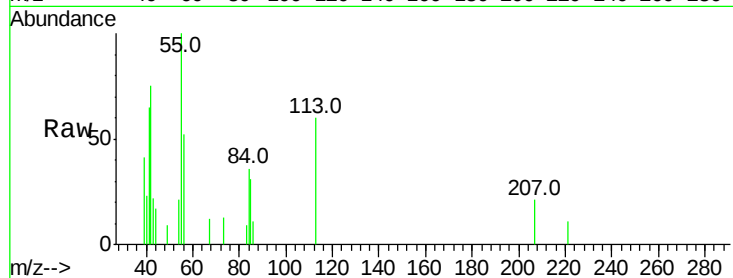




#35
Caprolactam
Concen: 1.54 ng
RT: 11.59 min Scan# 1446
Delta R.T. -0.02 min
Lab File: BM009326.D
Acq: 22 Mar 2017 19:59

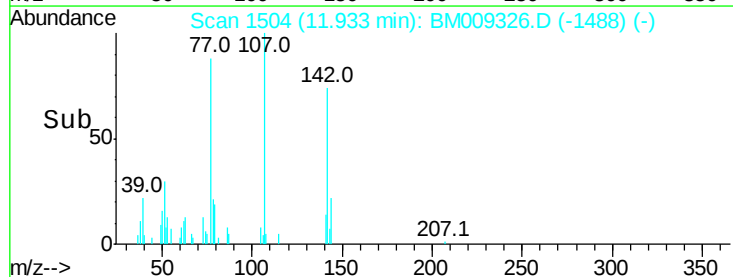
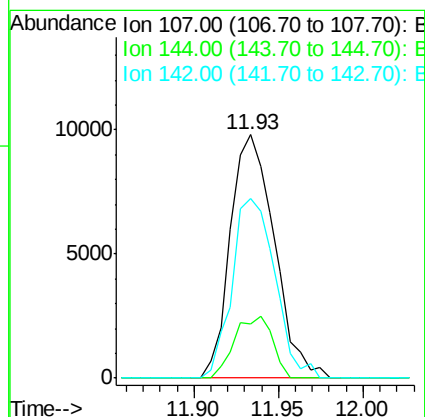
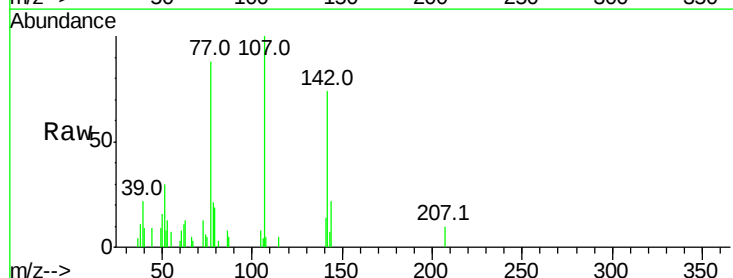
Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT2-2017

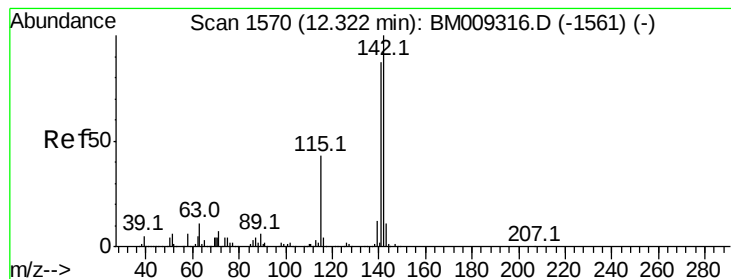
Tot Ion:113 Resp: 4311
Ion Ratio Lower Upper
113 100
55 166.0 145.9 185.9
56 86.1 101.0 141.0#



#36
4-Chloro-3-methylphenol
Concen: 1.71 ng
RT: 11.93 min Scan# 1504
Delta R.T. -0.01 min
Lab File: BM009326.D
Acq: 22 Mar 2017 19:59

Tgt Ion:107 Resp: 17740
Ion Ratio Lower Upper
107 100
144 22.1 23.3 34.9#
142 74.0 72.6 109.0





#37

2-Methylnaphthalene

Concen: 1.83 ng

RT: 12.32 min Scan# 1570

Delta R.T. 0.00 min

Lab File: BM009326.D

Acq: 22 Mar 2017 19:59

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

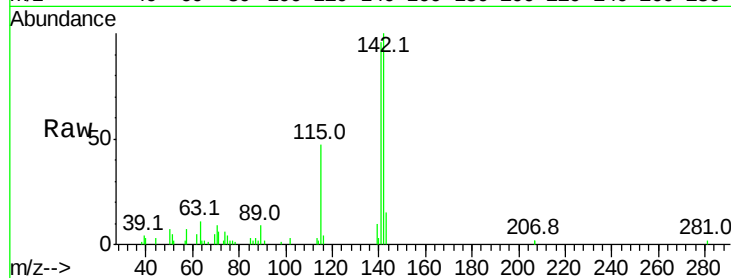
Tot Ion:142 Resp: 40876

Ion Ratio Lower Upper

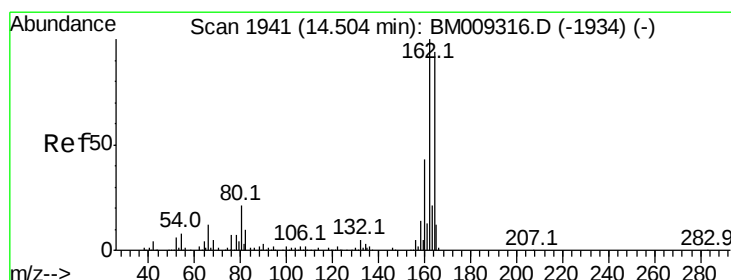
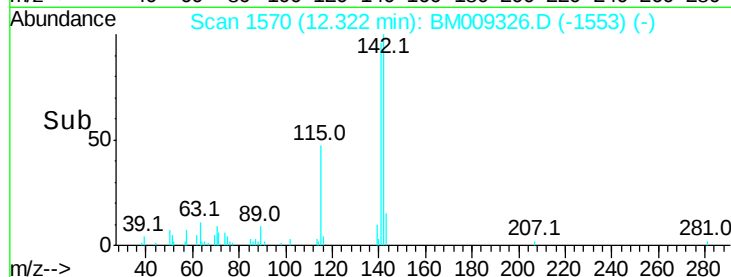
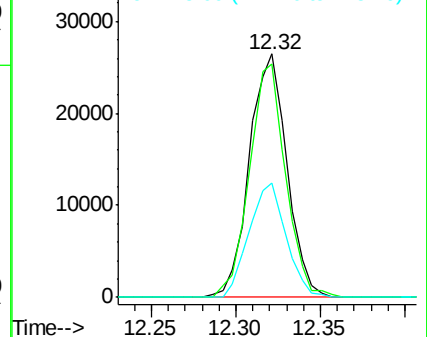
142 100

141 96.0 71.9 107.9

115 46.8 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: BM009326.D

Acq: 22 Mar 2017 19:59

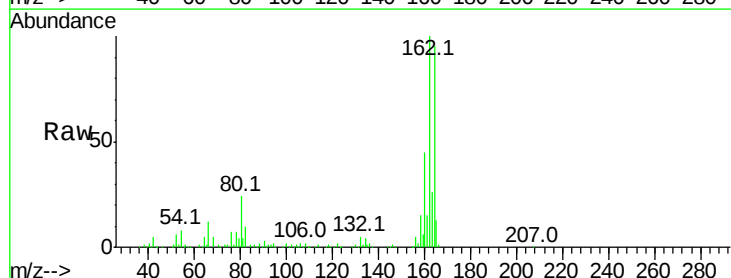
Tgt Ion:164 Resp: 339233

Ion Ratio Lower Upper

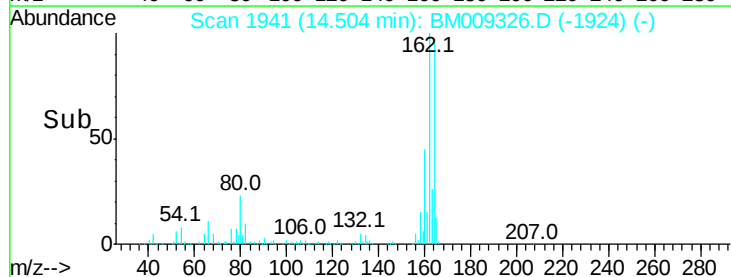
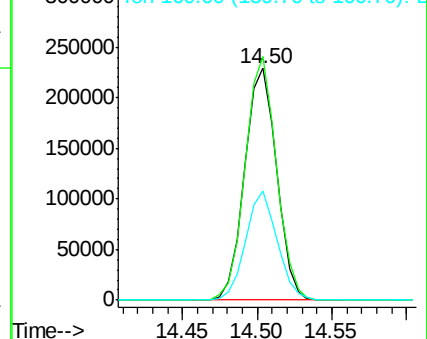
164 100

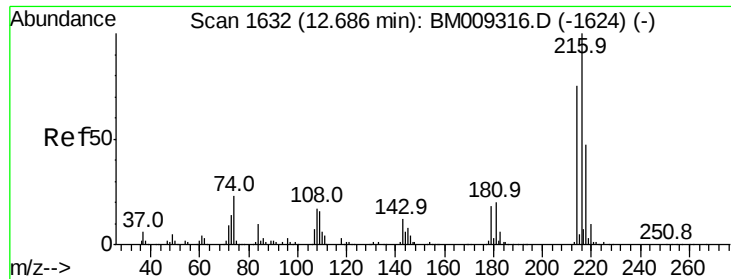
162 105.1 82.4 123.6

160 47.3 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: 1.93 ng

RT: 12.69 min Scan# 1632

Delta R.T. 0.00 min

Lab File: BM009326.D

Acq: 22 Mar 2017 19:59

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

Tot Ion:216 Resp: 24763

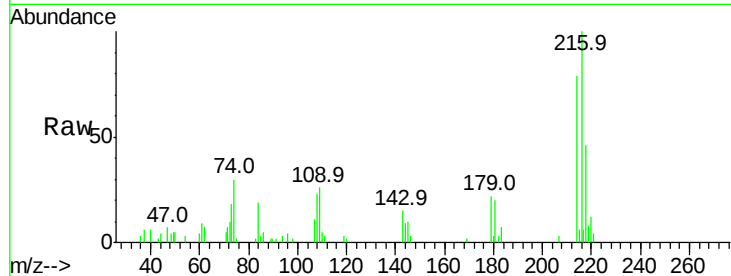
Ion Ratio Lower Upper

216 100

214 78.7 0.0 0.0#

179 22.3 0.0 0.0#

108 21.7 0.0 0.0#

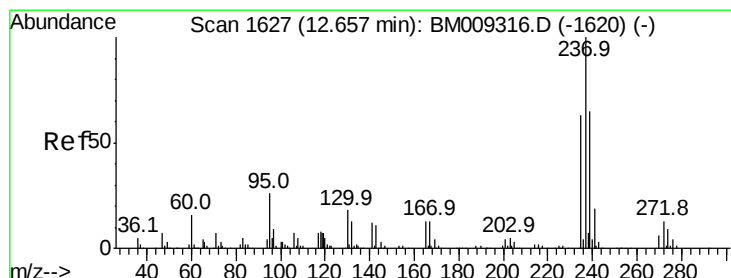
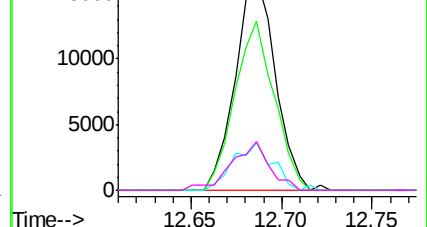
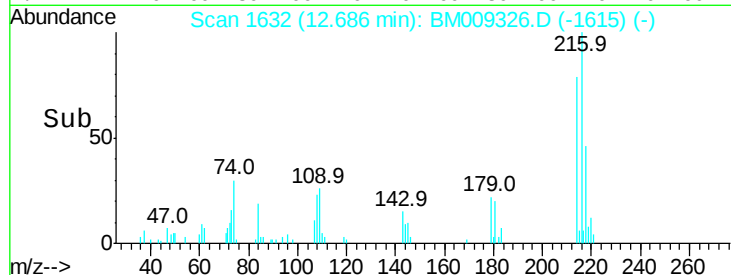


Abundance Ion 216.00 (215.70 to 216.70): E

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: 1.49 ng

RT: 12.66 min Scan# 1628

Delta R.T. 0.01 min

Lab File: BM009326.D

Acq: 22 Mar 2017 19:59

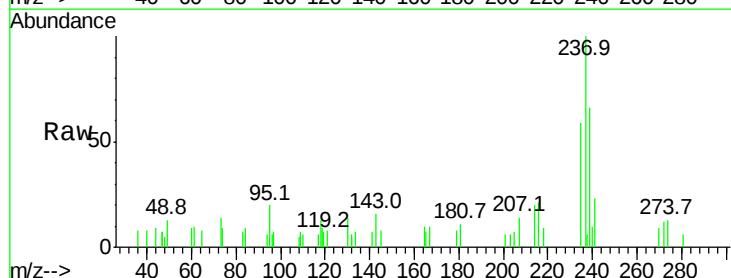
Tgt Ion:237 Resp: 10977

Ion Ratio Lower Upper

237 100

235 58.9 42.0 82.0

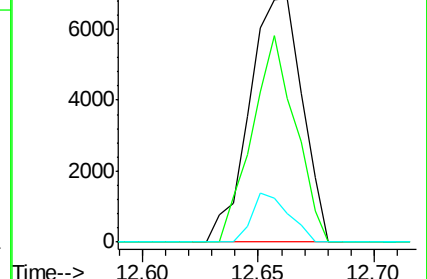
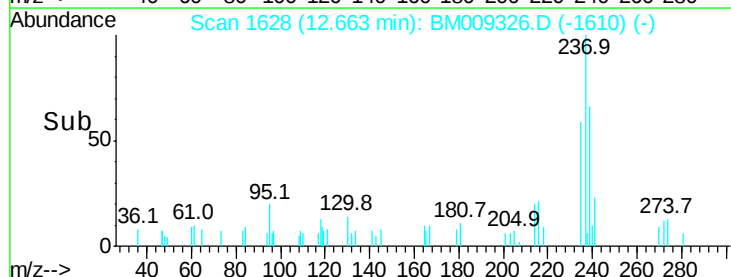
272 11.8 0.0 33.4

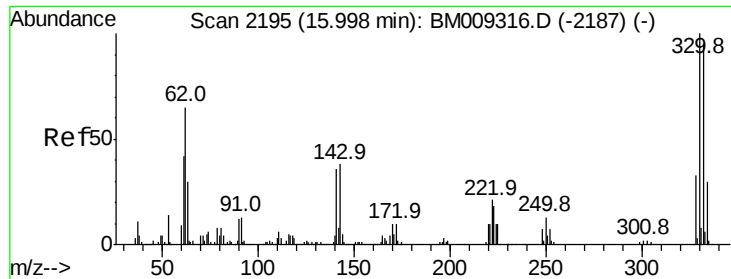


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

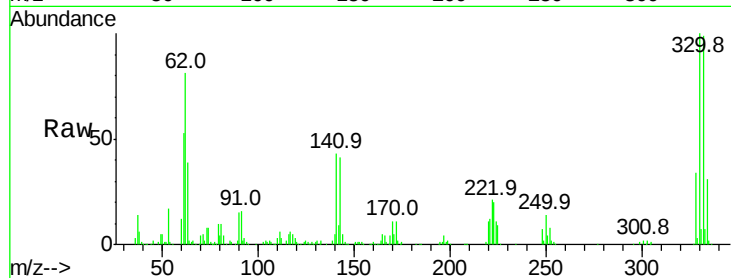




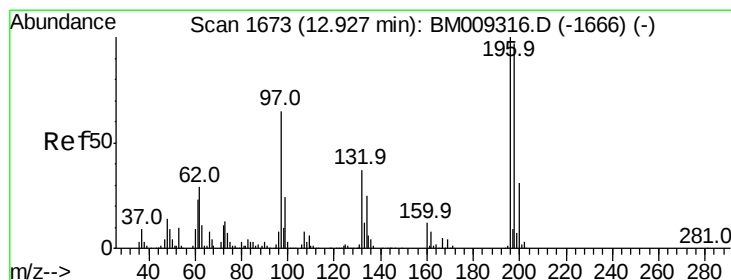
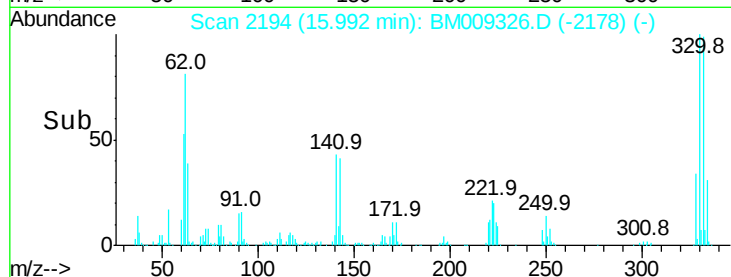
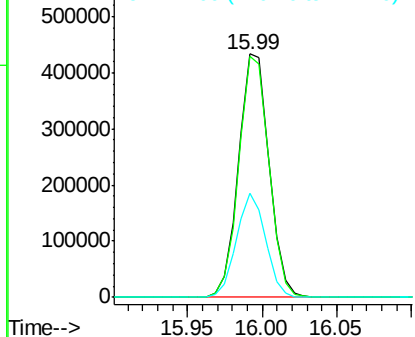
#41
 2,4,6-Tribromophenol
 Concen: 146.21 ng
 RT: 15.99 min Scan# 2194
 Delta R.T. -0.01 min
 Lab File: BM009326.D
 Acq: 22 Mar 2017 19:59

Instrument :
 BNA_M
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

Tot Ion:330 Resp: 616163
 Ion Ratio Lower Upper
 330 100
 332 98.0 0.0 0.0#
 141 41.0 0.0 0.0#

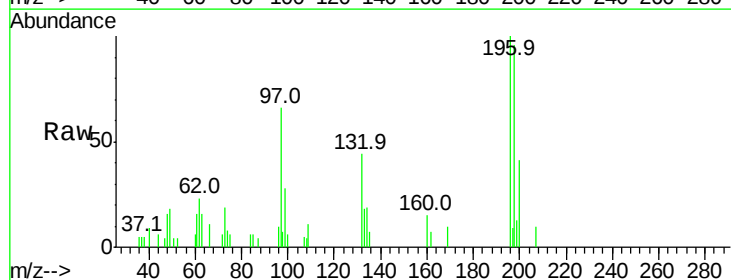


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

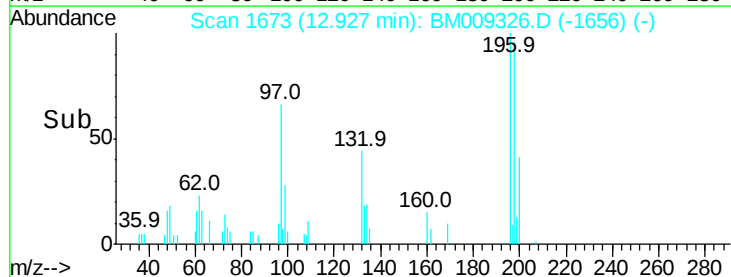
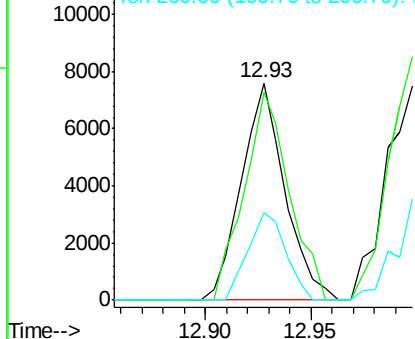


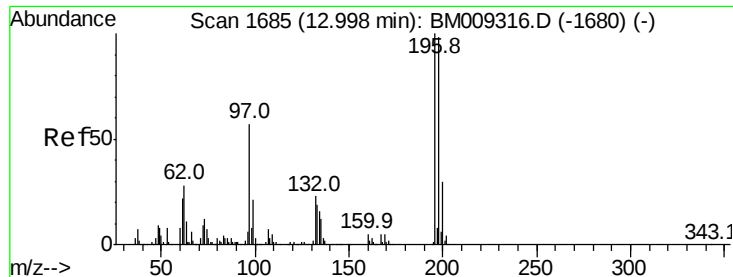
#42
 2,4,6-Trichlorophenol
 Concen: 1.48 ng
 RT: 12.93 min Scan# 1673
 Delta R.T. 0.00 min
 Lab File: BM009326.D
 Acq: 22 Mar 2017 19:59

Tgt Ion:196 Resp: 10833
 Ion Ratio Lower Upper
 196 100
 198 96.1 76.3 114.5
 200 40.5 25.6 38.4#



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

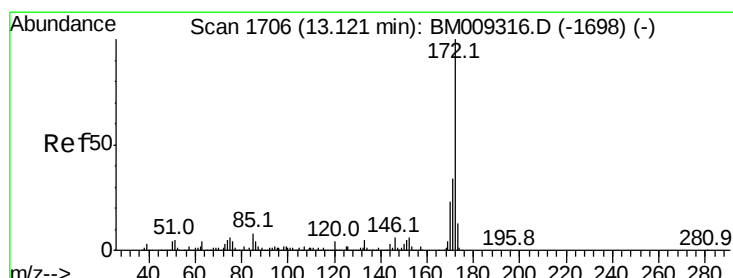
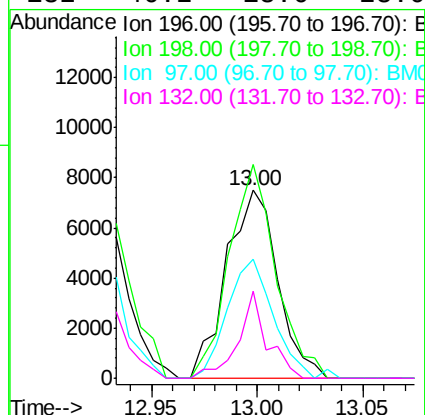
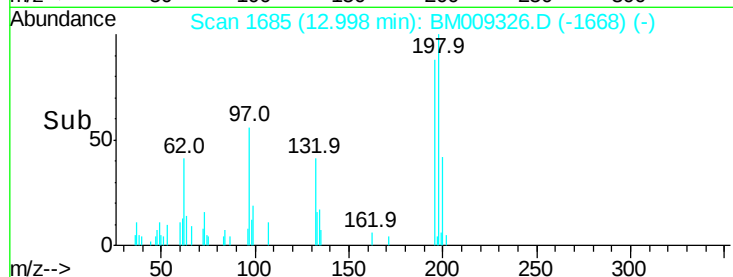
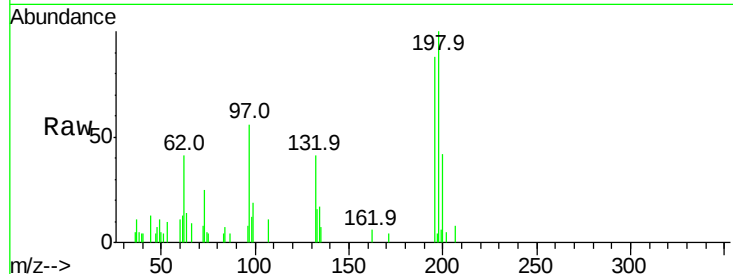




#43
2,4,5-Trichlorophenol
Concen: 1.54 ng
RT: 13.00 min Scan# 1685
Delta R.T. 0.00 min
Lab File: BM009326.D
Acq: 22 Mar 2017 19:59

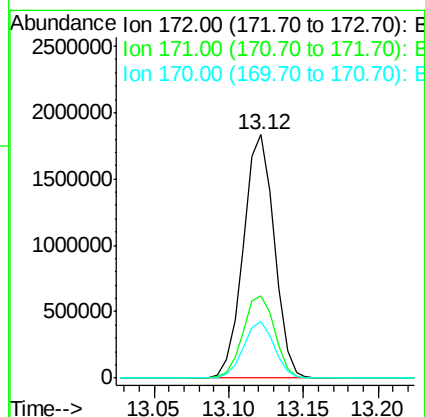
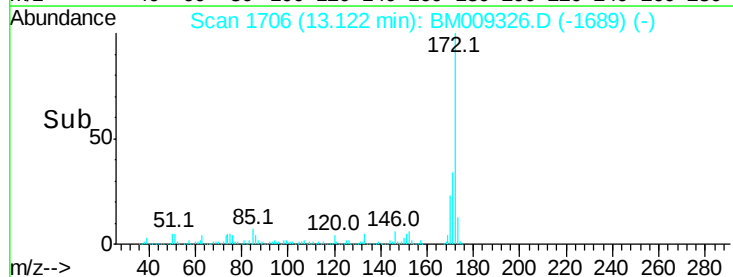
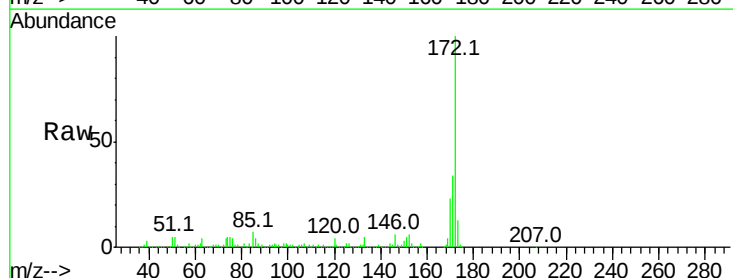
Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT2-2017

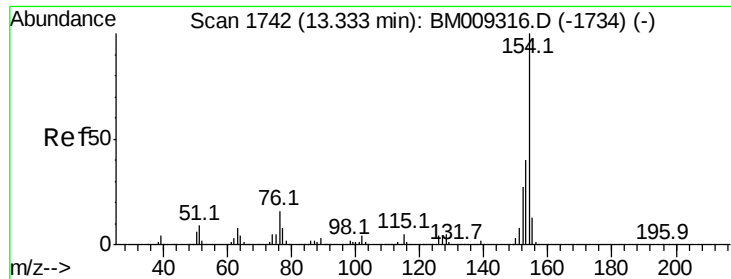
Tot Ion	Ratio	Lower	Upper
196	100		
198	113.6	79.4	119.0
97	63.5	26.8	40.2
132	46.2	18.6	28.0



#44
2-Fluorobiphenyl
Concen: 93.23 ng
RT: 13.12 min Scan# 1706
Delta R.T. 0.00 min
Lab File: BM009326.D
Acq: 22 Mar 2017 19:59

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.9	28.5	42.7
170	23.2	18.8	28.2

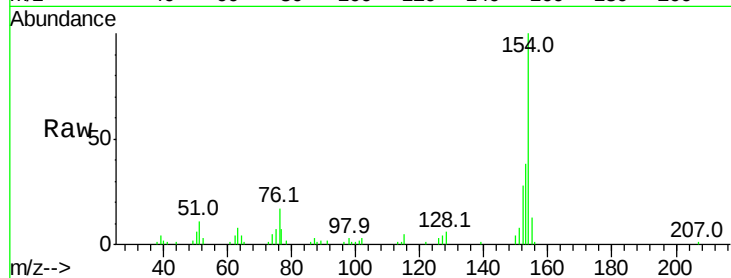




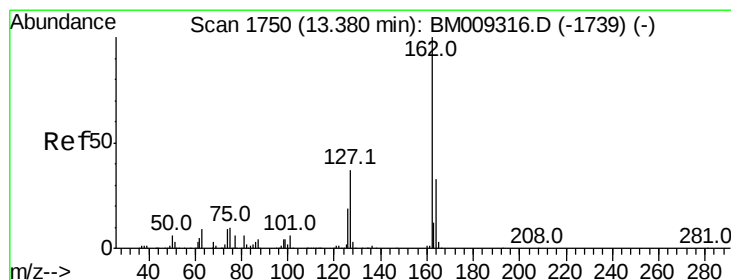
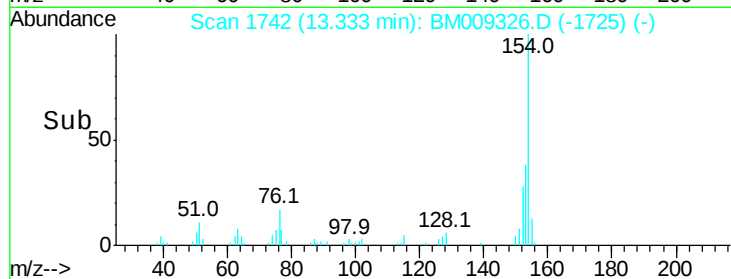
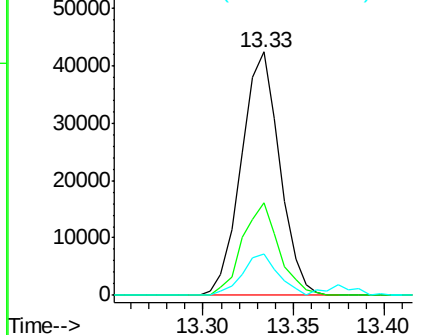
#45
 1,1'-Biphenyl
 Concen: 2.21 ng
 RT: 13.33 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: BM009326.D
 Acq: 22 Mar 2017 19:59

Instrument :
 BNA_M
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

Tot Ion:154 Resp: 62391
 Ion Ratio Lower Upper
 154 100
 153 38.2 20.7 60.7
 76 17.0 0.0 30.9

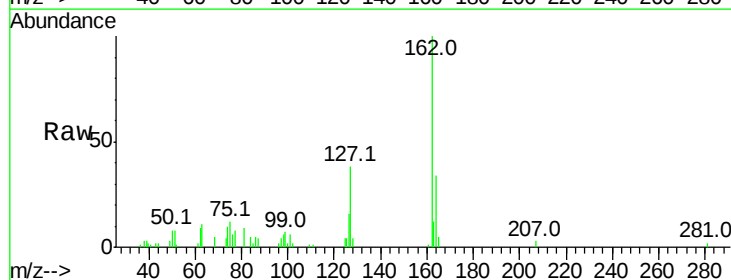


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BM

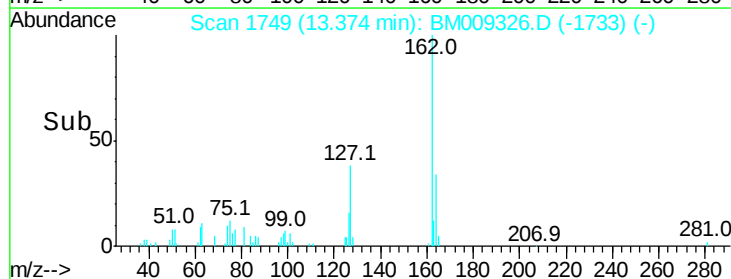
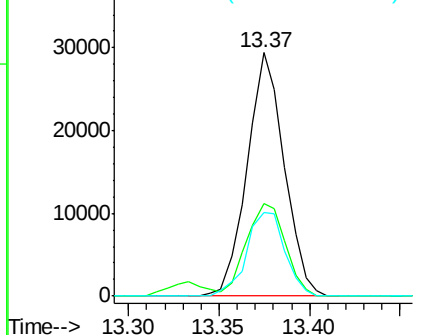


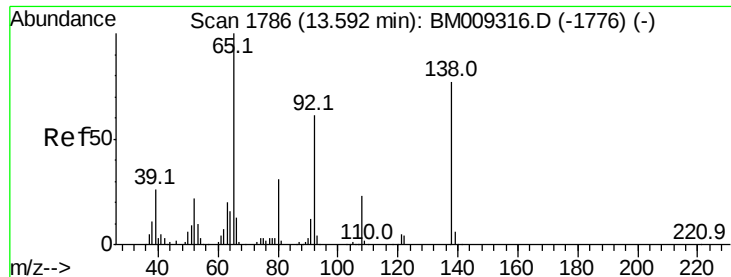
#46
 2-Chloronaphthalene
 Concen: 1.91 ng
 RT: 13.37 min Scan# 1749
 Delta R.T. -0.01 min
 Lab File: BM009326.D
 Acq: 22 Mar 2017 19:59

Tgt Ion:162 Resp: 41794
 Ion Ratio Lower Upper
 162 100
 127 38.1 26.9 40.3
 164 34.2 26.8 40.2



Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

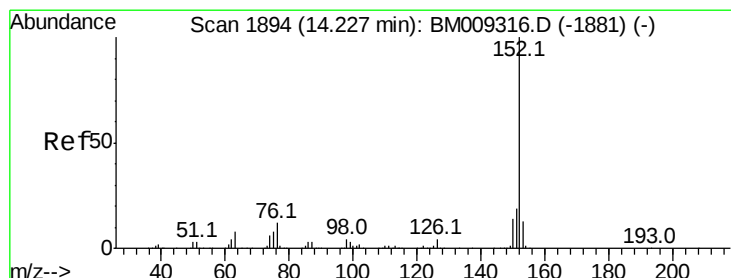
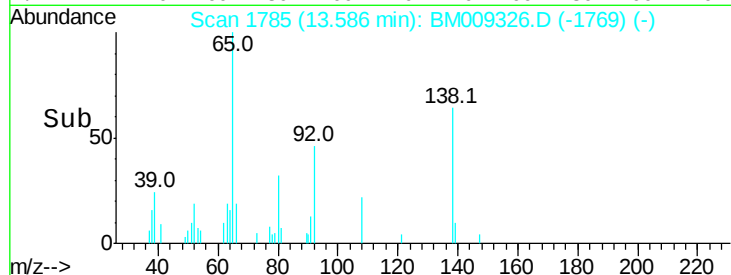
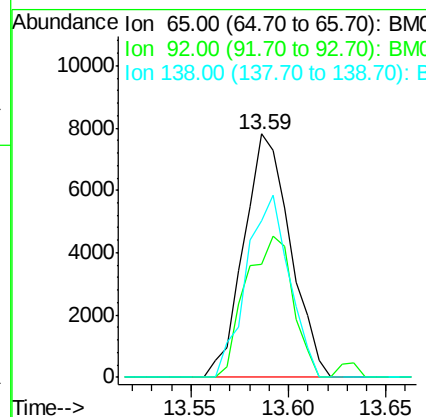
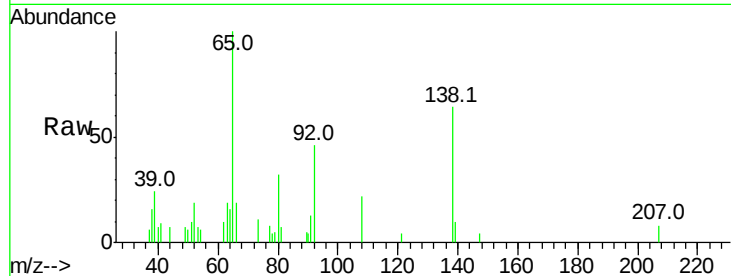




#47
2-Nitroaniline
Concen: 1.59 ng
RT: 13.59 min Scan# 1785
Delta R.T. -0.01 min
Lab File: BM009326.D
Acq: 22 Mar 2017 19:59

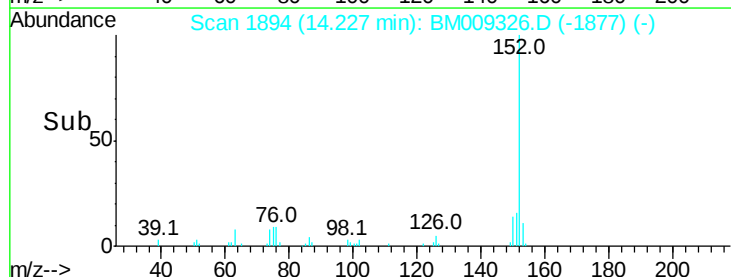
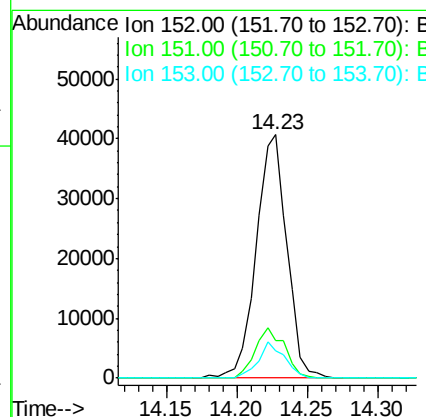
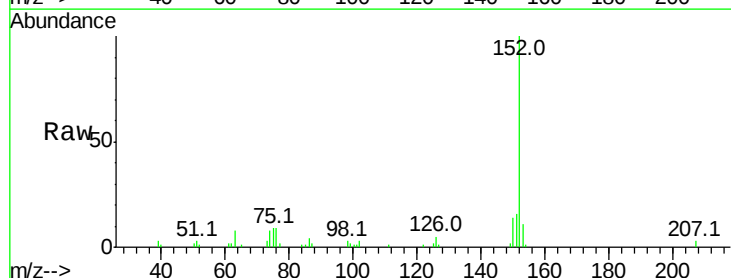
Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT2-2017

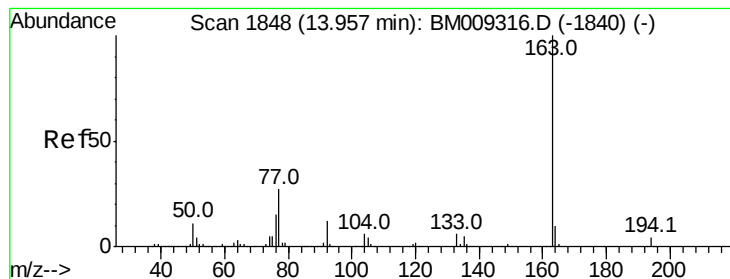
Tot Ion: 65 Resp: 12870
Ion Ratio Lower Upper
65 100
92 46.2 59.1 88.7#
138 64.4 93.9 140.9#



#48
Acenaphthylene
Concen: 1.74 ng
RT: 14.23 min Scan# 1894
Delta R.T. 0.00 min
Lab File: BM009326.D
Acq: 22 Mar 2017 19:59

Tgt Ion: 152 Resp: 62253
Ion Ratio Lower Upper
152 100
151 15.6 15.9 23.9#
153 11.3 10.6 16.0





#49

Dimethylphthalate

Concen: 1.88 ng

RT: 13.96 min Scan# 1848

Delta R.T. 0.00 min

Lab File: BM009326.D

Acq: 22 Mar 2017 19:59

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

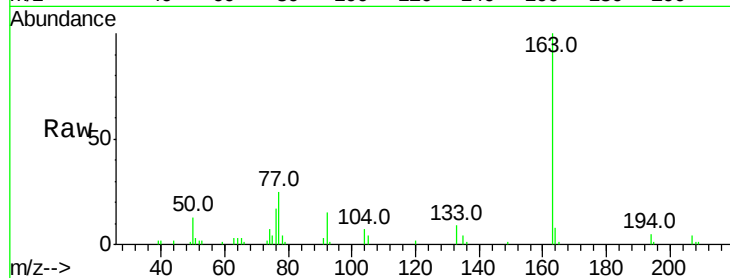
Tot Ion:163 Resp: 49062

Ion Ratio Lower Upper

163 100

194 4.9 2.7 4.1#

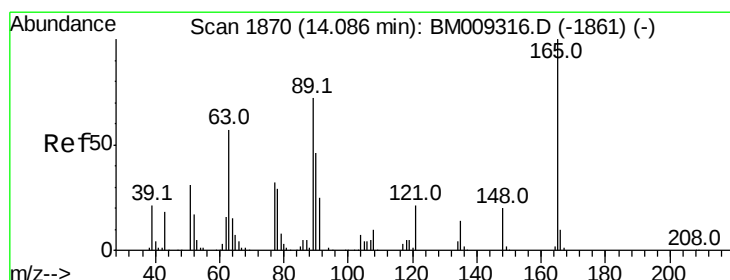
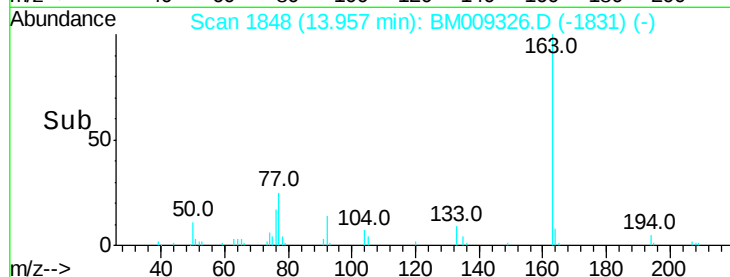
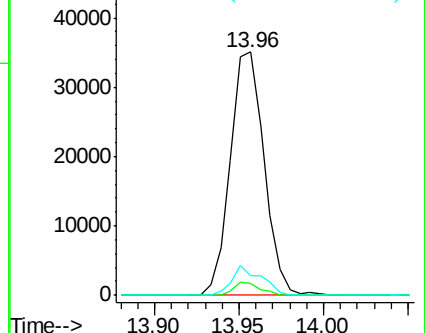
164 7.9 8.2 12.2#



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 1.49 ng

RT: 14.08 min Scan# 1869

Delta R.T. -0.01 min

Lab File: BM009326.D

Acq: 22 Mar 2017 19:59

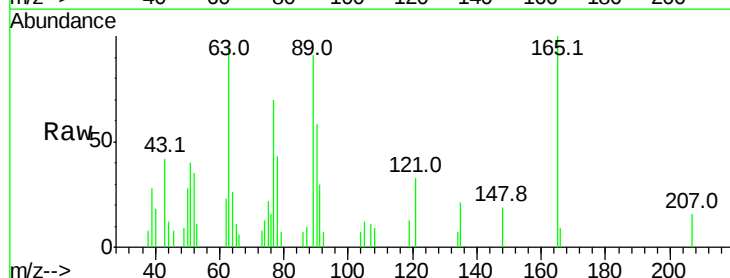
Tgt Ion:165 Resp: 8374

Ion Ratio Lower Upper

165 100

63 95.2 44.1 66.1#

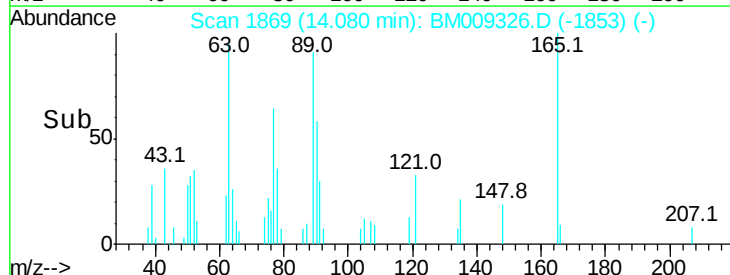
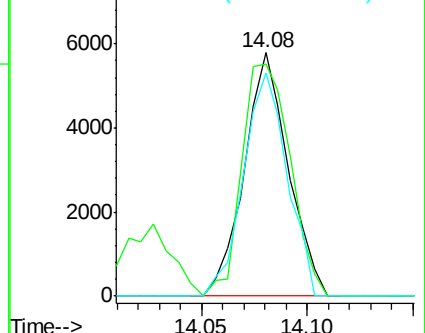
89 91.5 44.3 66.5#

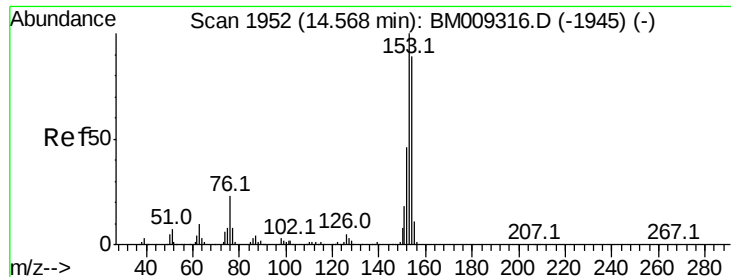


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM

Ion 89.00 (88.70 to 89.70): BM





#51

Acenaphthene

Concen: 1.91 ng

RT: 14.57 min Scan# 1952

Delta R.T. 0.00 min

Lab File: BM009326.D

Acq: 22 Mar 2017 19:59

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

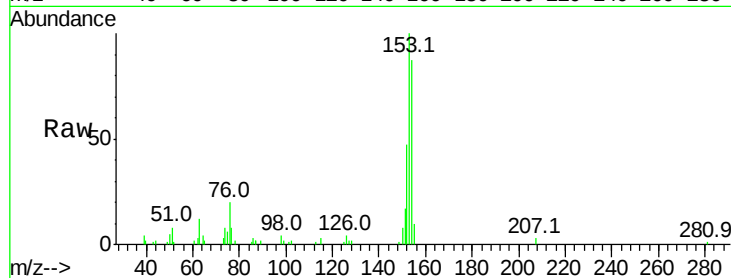
Tot Ion:154 Resp: 41209

Ion Ratio Lower Upper

154 100

153 114.5 90.0 135.0

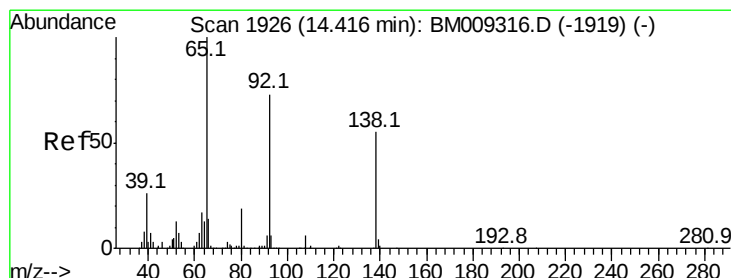
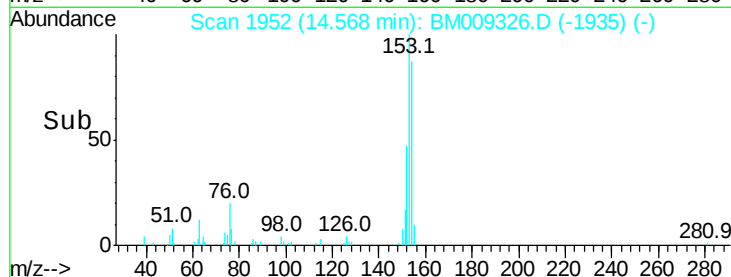
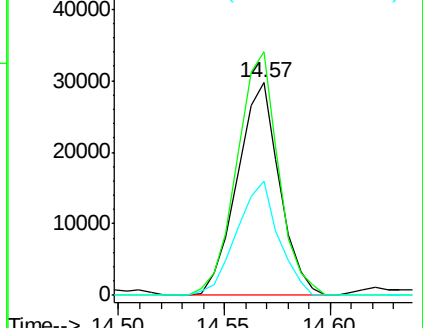
152 53.9 42.6 63.8



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: 1.33 ng

RT: 14.42 min Scan# 1926

Delta R.T. 0.00 min

Lab File: BM009326.D

Acq: 22 Mar 2017 19:59

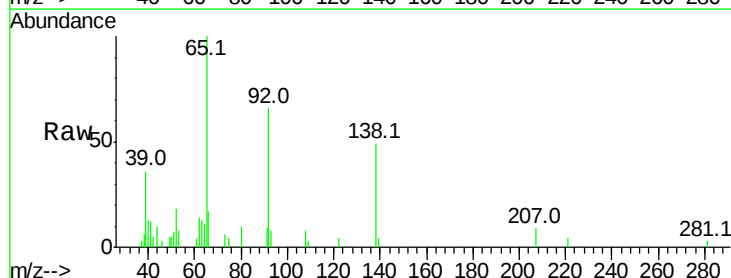
Tgt Ion:138 Resp: 7347

Ion Ratio Lower Upper

138 100

108 15.9 7.3 10.9#

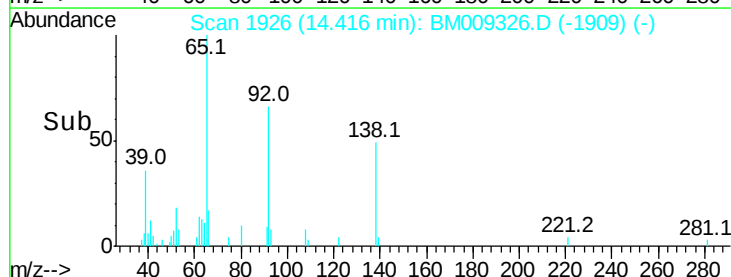
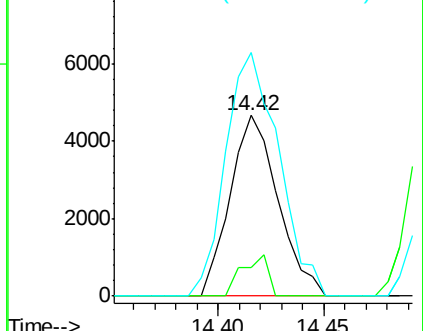
92 134.7 76.6 114.8#

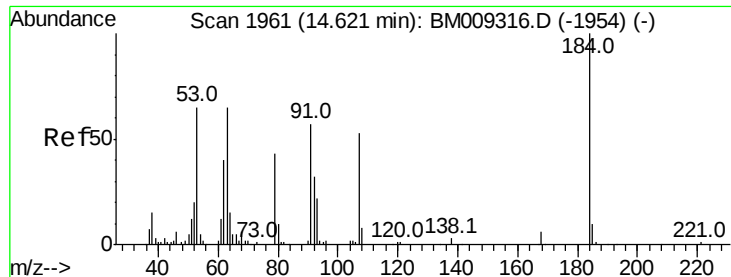


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BM

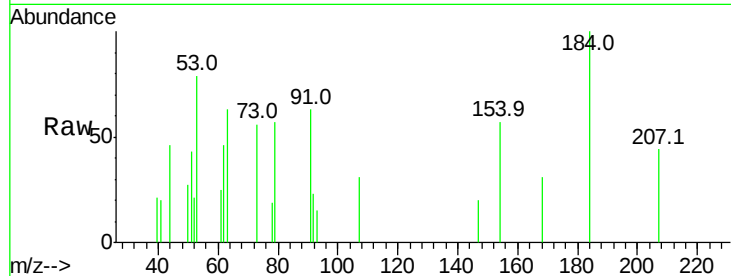




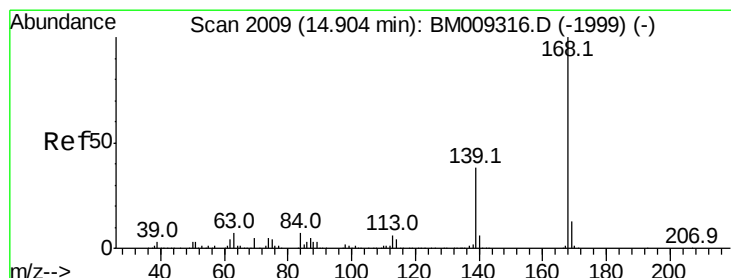
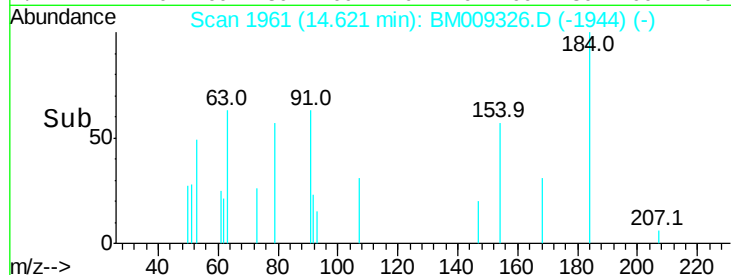
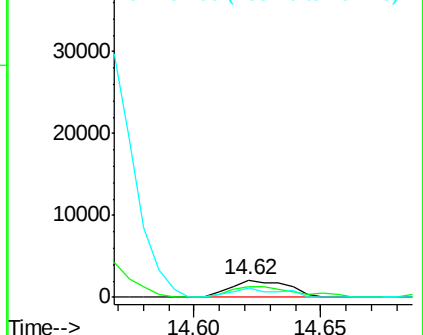
#53
2,4-Dinitrophenol
Concen: 6.28 ng
RT: 14.62 min Scan# 1961
Delta R.T. 0.00 min
Lab File: BM009326.D
Acq: 22 Mar 2017 19:59

Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT2-2017

Tot Ion:184 Resp: 3309
Ion Ratio Lower Upper
184 100
63 63.1 69.2 103.8#
154 57.1 53.3 79.9

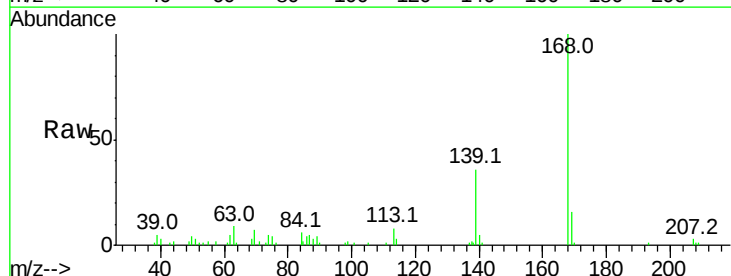


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BM0
Ion 154.00 (153.70 to 154.70): E

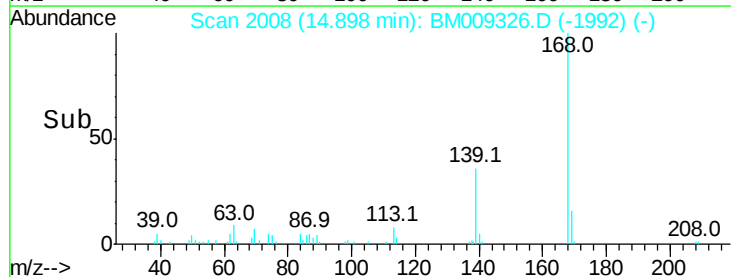
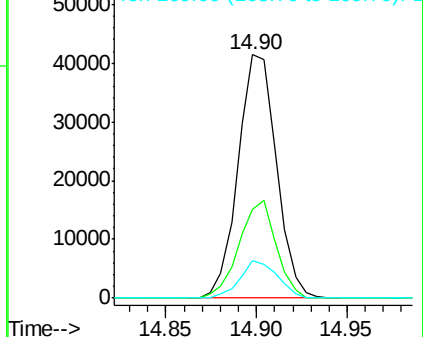


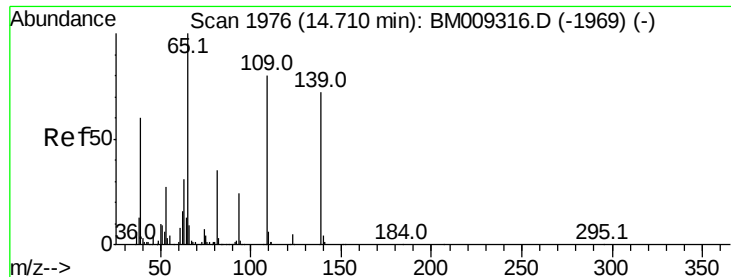
#54
Dibenzofuran
Concen: 1.92 ng
RT: 14.90 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BM009326.D
Acq: 22 Mar 2017 19:59

Tgt Ion:168 Resp: 61039
Ion Ratio Lower Upper
168 100
139 36.4 27.3 40.9
169 15.5 10.6 16.0



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 1.06 ng

RT: 14.71 min Scan# 1976

Delta R.T. 0.00 min

Lab File: BM009326.D

Acq: 22 Mar 2017 19:59

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

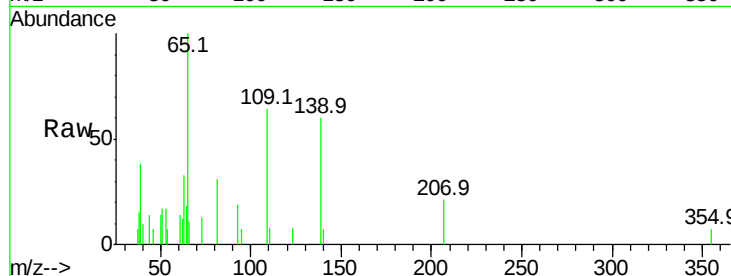
Tot Ion:139 Resp: 4839

Ion Ratio Lower Upper

139 100

109 107.0 37.7 77.7#

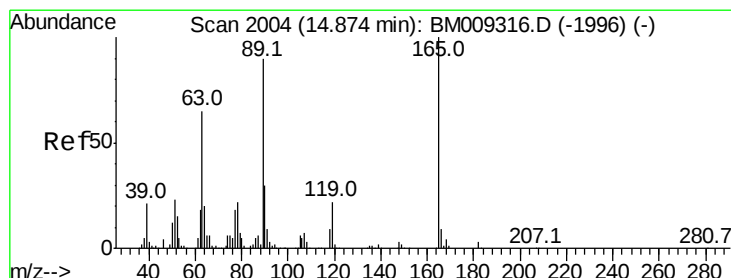
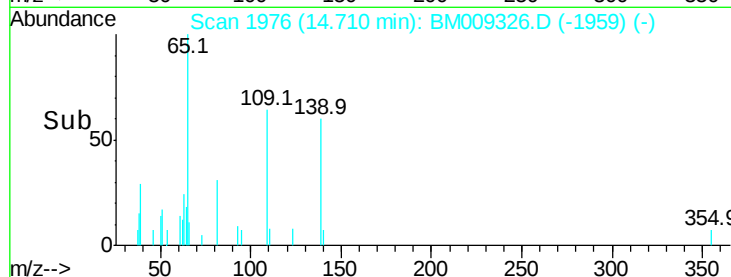
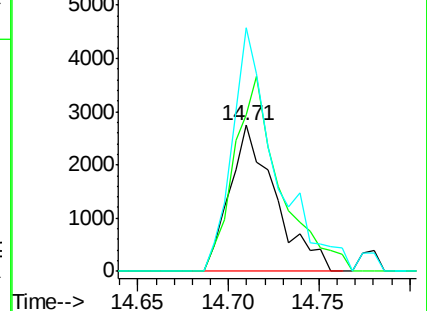
65 167.1 49.9 89.9#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BM



#56

2,4-Dinitrotoluene

Concen: 1.34 ng

RT: 14.87 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BM009326.D

Acq: 22 Mar 2017 19:59

Tgt Ion:165 Resp: 10186

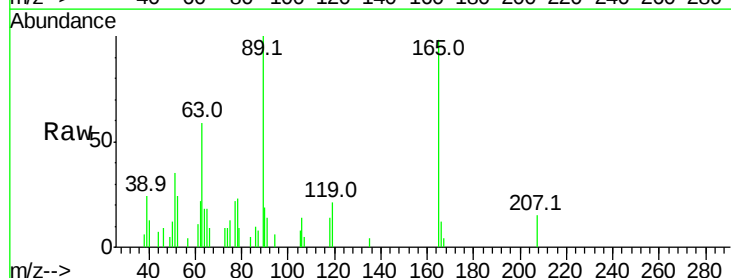
Ion Ratio Lower Upper

165 100

63 60.4 52.4 78.6

89 101.7 72.4 108.6

182 0.0 2.0 3.0#

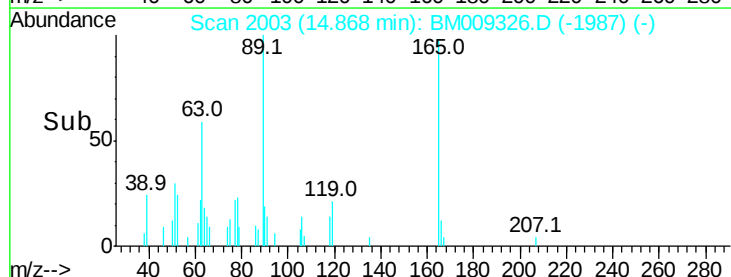
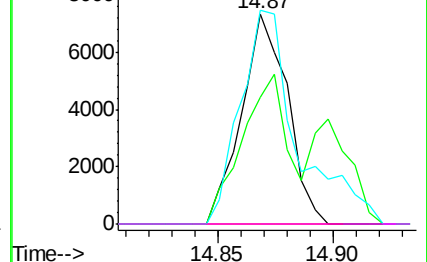


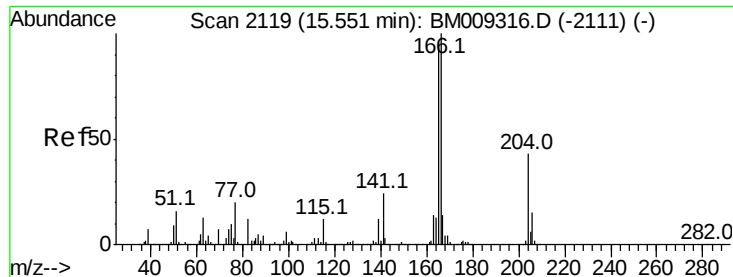
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM

Ion 89.00 (88.70 to 89.70): BM

Ion 182.00 (181.70 to 182.70): E

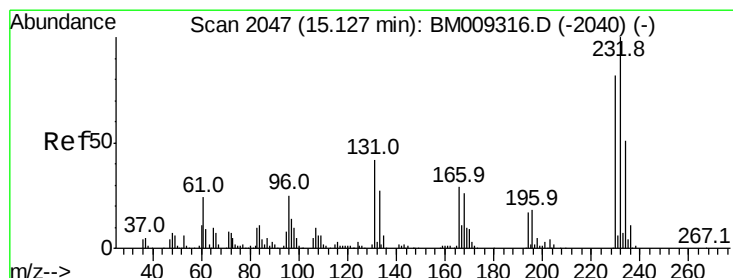
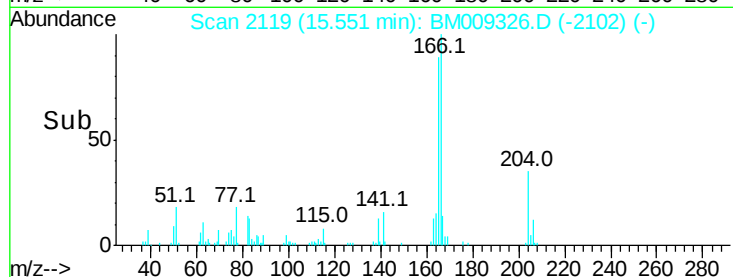
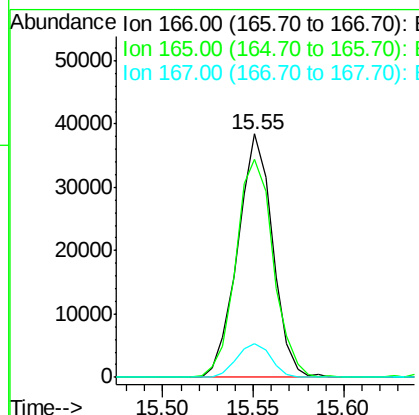
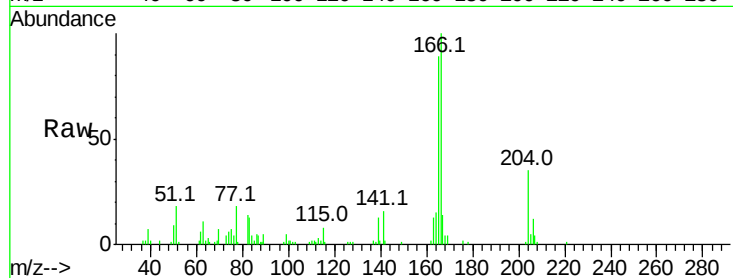




#57
 Fluorene
 Concen: 1.80 ng
 RT: 15.55 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: BM009326.D
 Acq: 22 Mar 2017 19:59

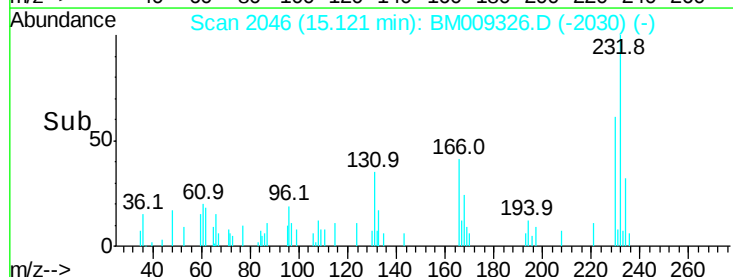
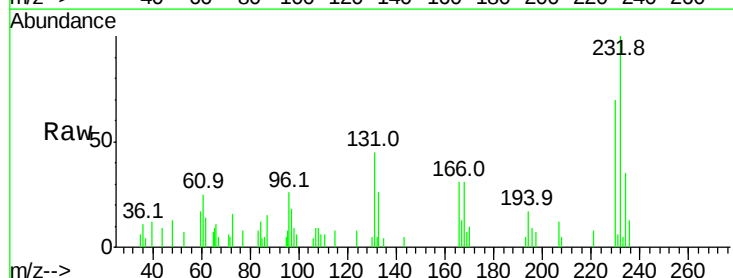
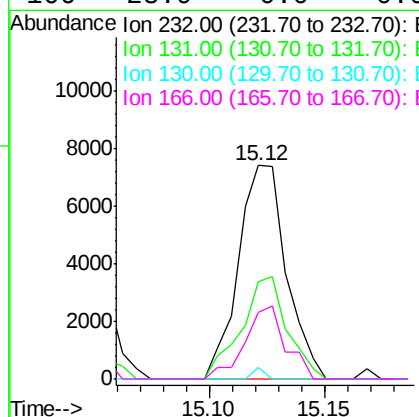
Instrument :
 BNA_M
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

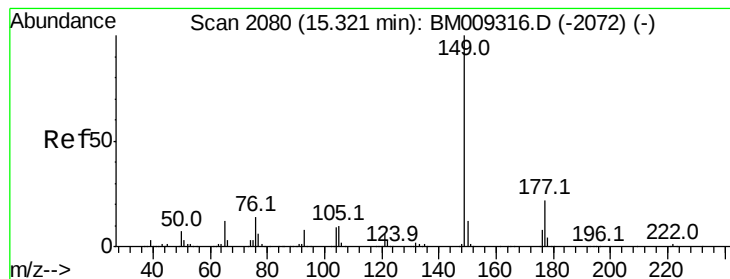
Tot Ion:166 Resp: 51433
 Ion Ratio Lower Upper
 166 100
 165 89.3 79.0 118.4
 167 14.1 10.3 15.5



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 1.56 ng
 RT: 15.12 min Scan# 2046
 Delta R.T. -0.01 min
 Lab File: BM009326.D
 Acq: 22 Mar 2017 19:59

Tgt Ion:232 Resp: 10759
 Ion Ratio Lower Upper
 232 100
 131 45.8 0.0 0.0#
 130 1.3 0.0 0.0#
 166 28.9 0.0 0.0#





#59

Diethylphthalate

Concen: 1.77 ng

RT: 15.32 min Scan# 2079

Delta R.T. -0.01 min

Lab File: BM009326.D

Acq: 22 Mar 2017 19:59

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

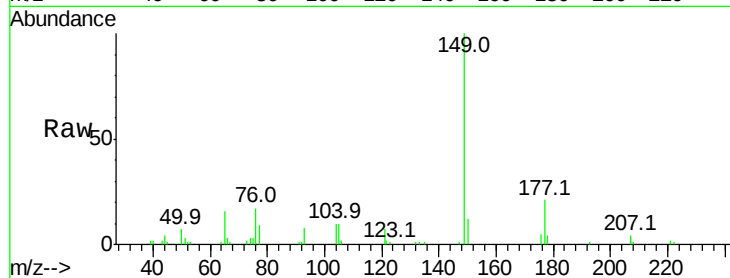
Tot Ion:149 Resp: 46896

Ion Ratio Lower Upper

149 100

177 21.3 18.3 27.5

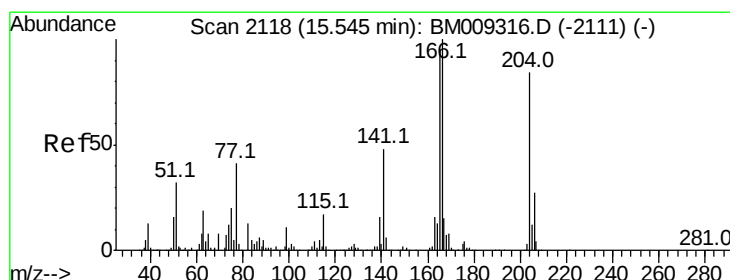
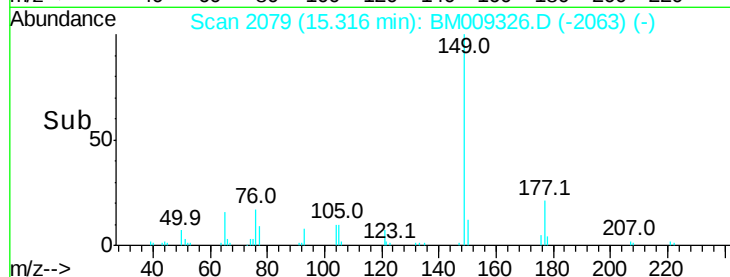
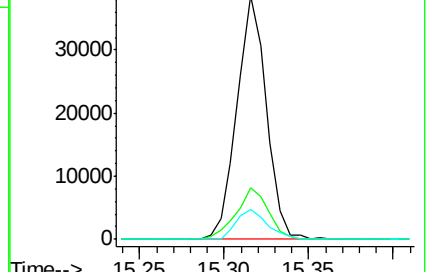
150 12.1 9.8 14.8



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: 1.79 ng

RT: 15.54 min Scan# 2118

Delta R.T. 0.00 min

Lab File: BM009326.D

Acq: 22 Mar 2017 19:59

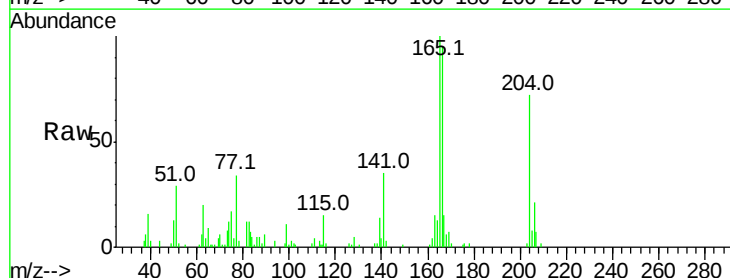
Tgt Ion:204 Resp: 26772

Ion Ratio Lower Upper

204 100

206 29.4 26.6 39.8

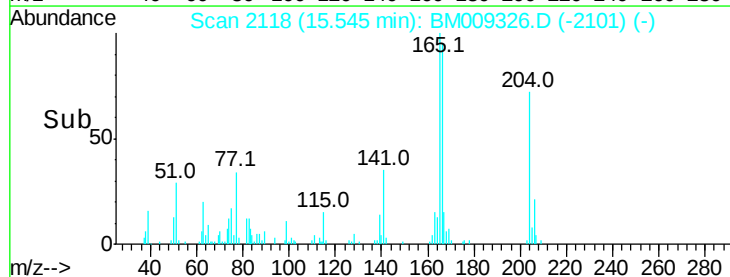
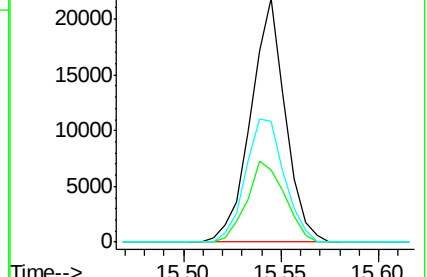
141 49.4 45.2 67.8

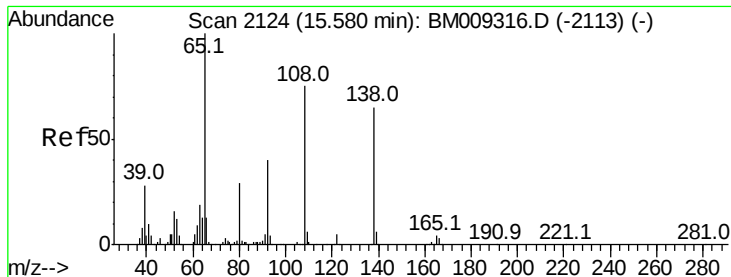


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

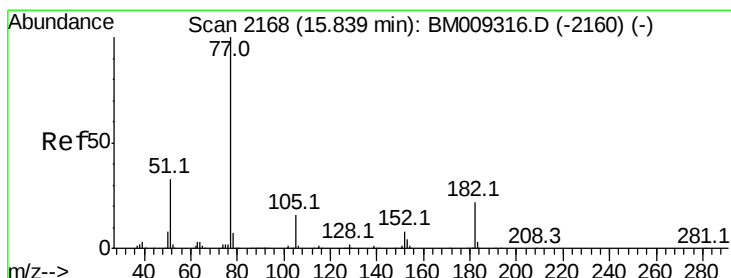
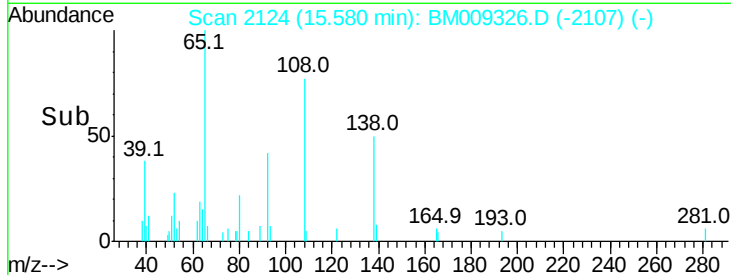
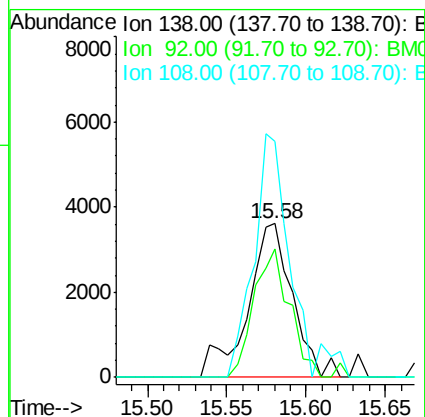
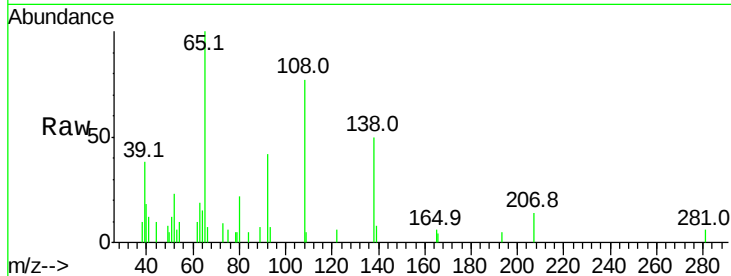




#61
4-Nitroaniline
Concen: 1.18 ng
RT: 15.58 min Scan# 2124
Delta R.T. 0.00 min
Lab File: BM009326.D
Acq: 22 Mar 2017 19:59

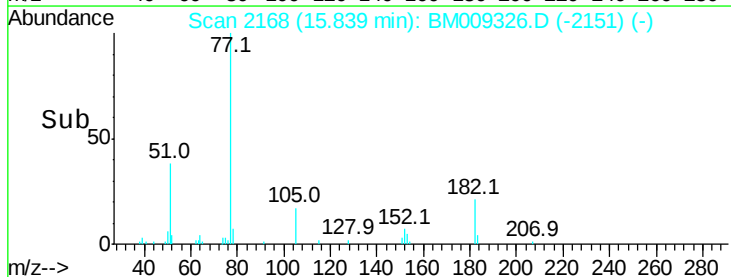
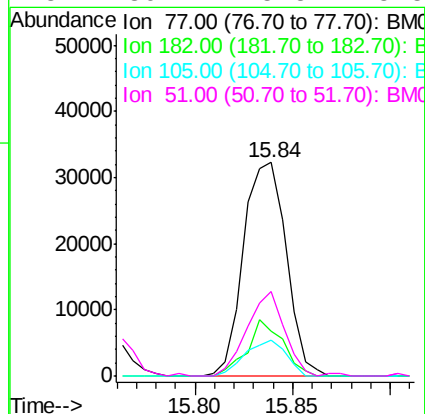
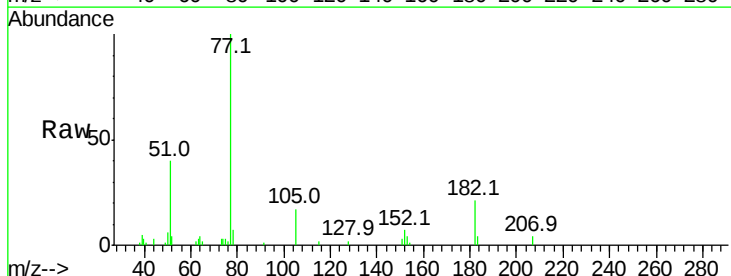
Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT2-2017

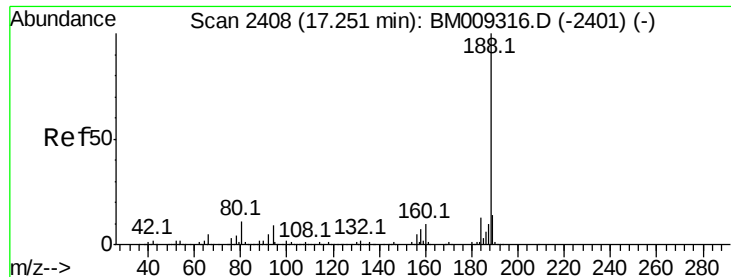
Tot Ion:138 Resp: 7094
Ion Ratio Lower Upper
138 100
92 83.9 16.7 56.7#
108 153.8 37.6 77.6#



#62
Azobenzene
Concen: 1.59 ng
RT: 15.84 min Scan# 2168
Delta R.T. 0.00 min
Lab File: BM009326.D
Acq: 22 Mar 2017 19:59

Tgt Ion: 77 Resp: 49016
Ion Ratio Lower Upper
77 100
182 20.9 6.5 46.5
105 16.8 3.8 43.8
51 39.7 5.5 45.5

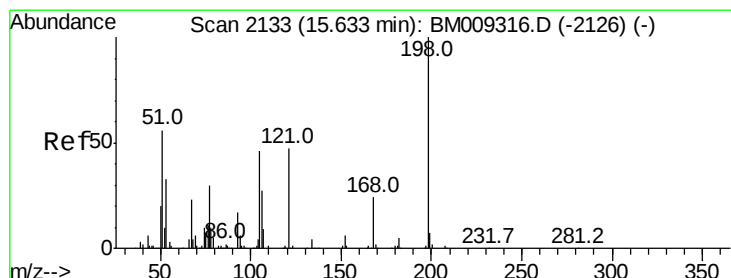
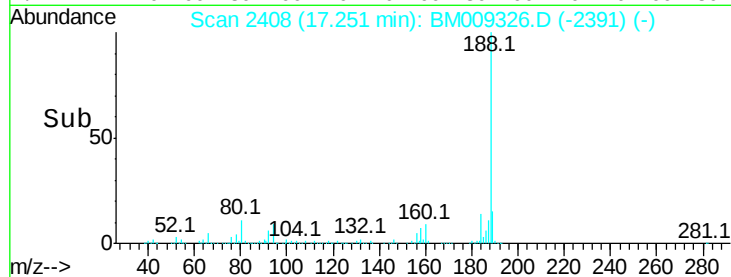
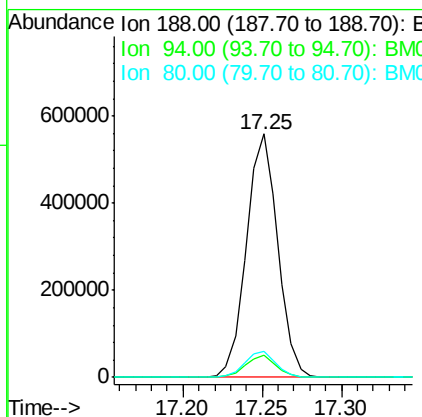
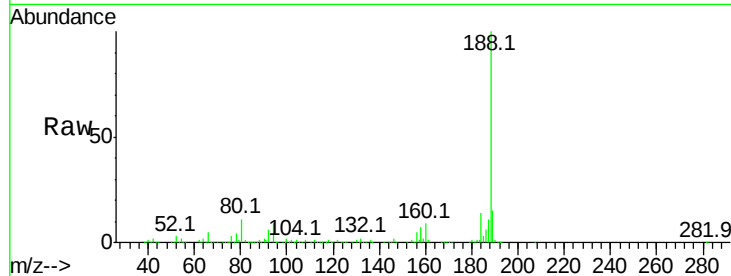




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.25 min Scan# 2408
 Delta R.T. 0.00 min
 Lab File: BM009326.D
 Acq: 22 Mar 2017 19:59

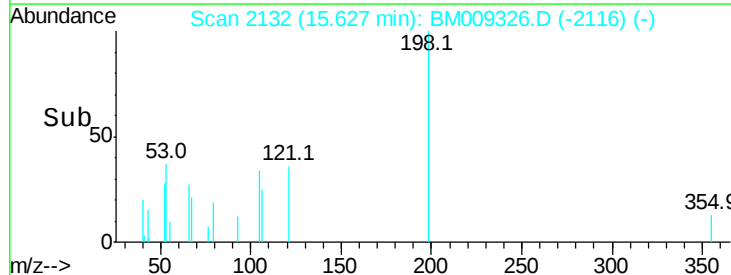
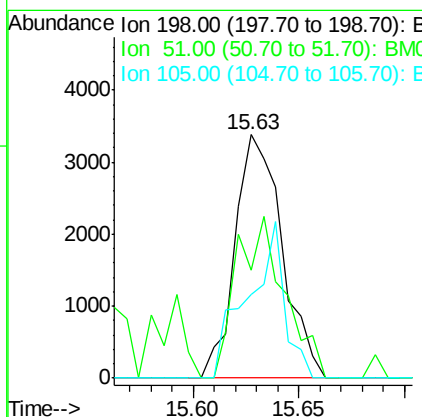
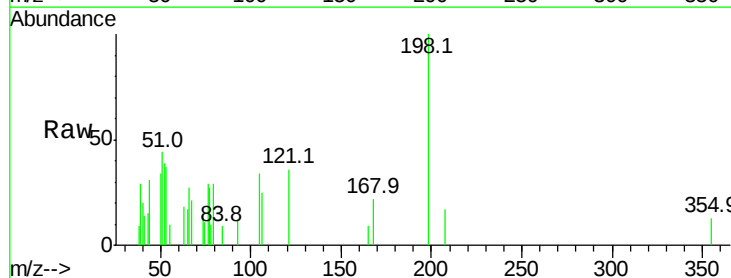
Instrument :
 BNA_M
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

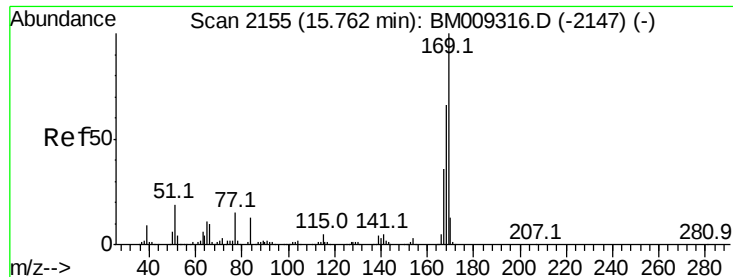
Tot Ion:188 Resp: 764873
 Ion Ratio Lower Upper
 188 100
 94 8.9 8.7 13.1
 80 10.7 9.3 13.9



#64
 4,6-Dinitro-2-methylphenol
 Concen: 1.08 ng
 RT: 15.63 min Scan# 2132
 Delta R.T. -0.01 min
 Lab File: BM009326.D
 Acq: 22 Mar 2017 19:59

Tgt Ion:198 Resp: 5212
 Ion Ratio Lower Upper
 198 100
 51 44.4 28.8 68.8
 105 34.5 30.5 70.5

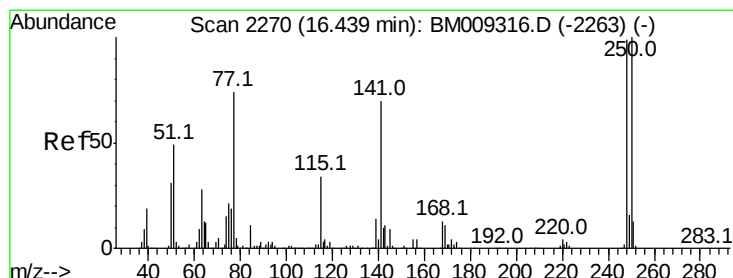
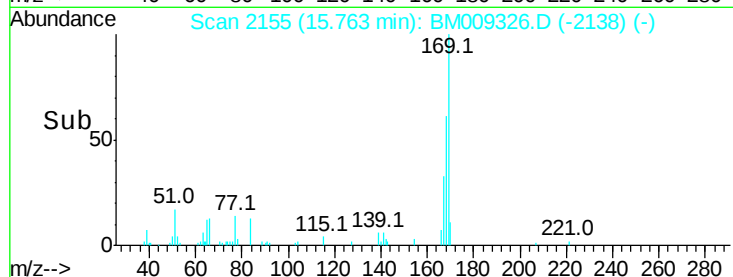
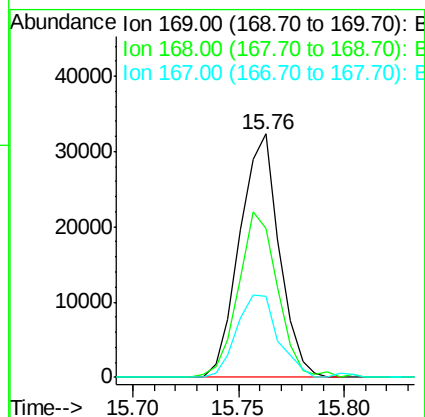
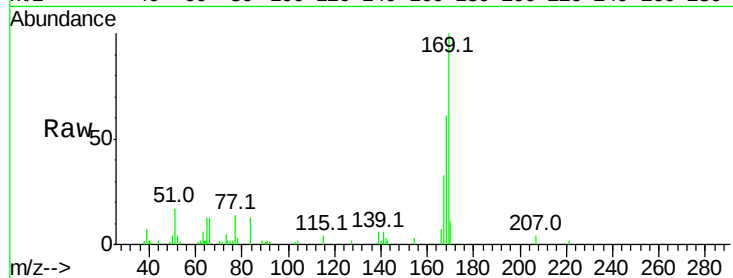




#65
n-Nitrosodiphenylamine
Concen: 1.81 ng
RT: 15.76 min Scan# 2155
Delta R.T. 0.00 min
Lab File: BM009326.D
Acq: 22 Mar 2017 19:59

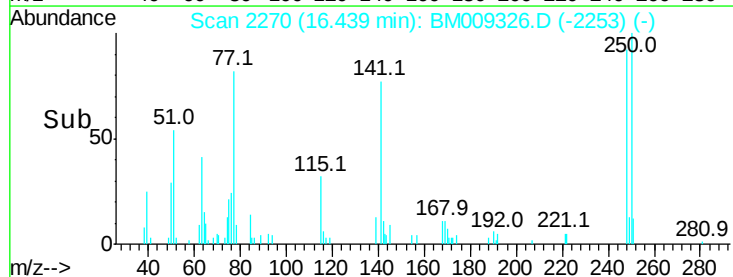
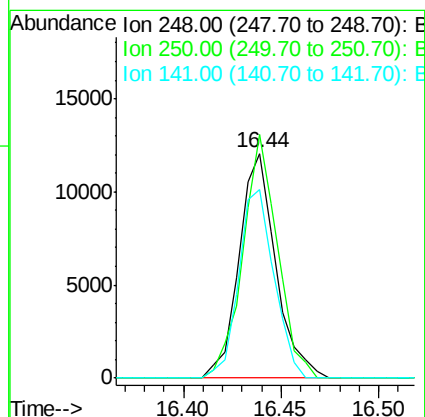
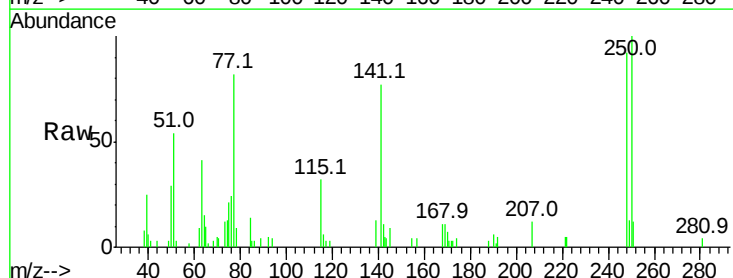
Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT2-2017

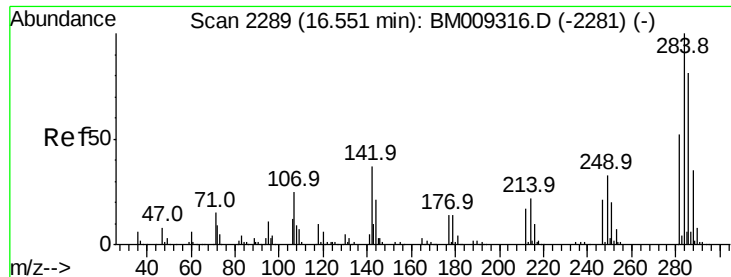
Tot Ion:169 Resp: 42036
Ion Ratio Lower Upper
169 100
168 61.1 53.9 80.9
167 33.3 28.9 43.3



#66
4-Bromophenyl-phenylether
Concen: 1.77 ng
RT: 16.44 min Scan# 2270
Delta R.T. 0.00 min
Lab File: BM009326.D
Acq: 22 Mar 2017 19:59

Tgt Ion:248 Resp: 15720
Ion Ratio Lower Upper
248 100
250 108.3 77.4 116.0
141 83.8 45.2 67.8#

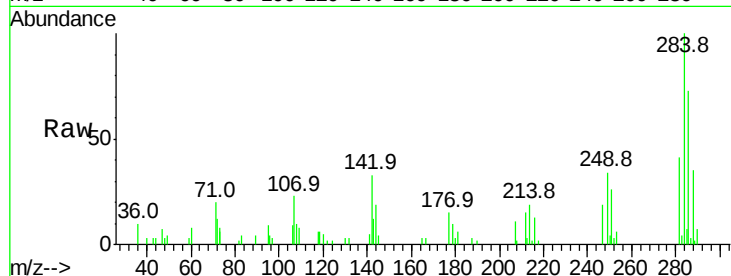




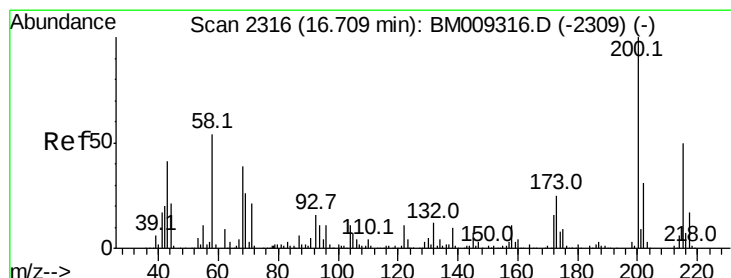
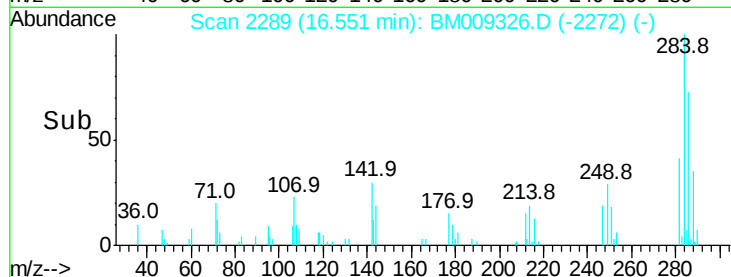
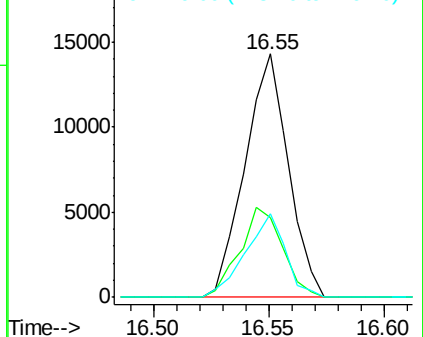
#67
Hexachlorobenzene
Concen: 1.92 ng
RT: 16.55 min Scan# 2289
Delta R.T. 0.00 min
Lab File: BM009326.D
Acq: 22 Mar 2017 19:59

Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT2-2017

Tot Ion:284 Resp: 18682
Ion Ratio Lower Upper
284 100
142 33.0 20.4 30.6#
249 34.5 23.8 35.6

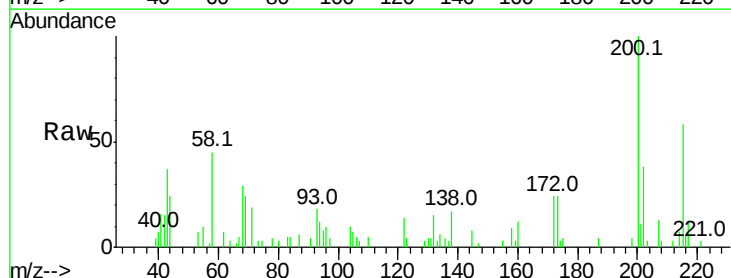


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

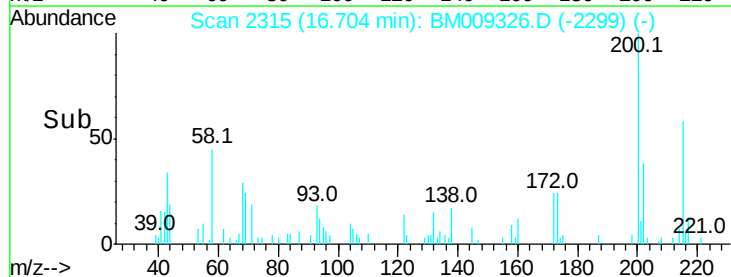
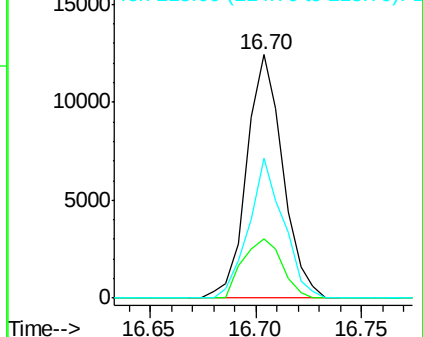


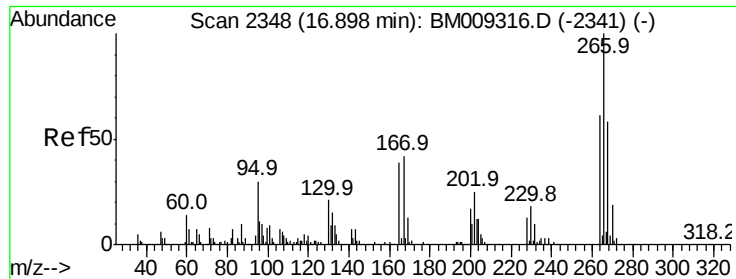
#68
Atrazine
Concen: 1.69 ng
RT: 16.70 min Scan# 2315
Delta R.T. -0.01 min
Lab File: BM009326.D
Acq: 22 Mar 2017 19:59

Tgt Ion:200 Resp: 14756
Ion Ratio Lower Upper
200 100
173 24.4 4.8 44.8
215 57.7 26.9 66.9



Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E





#69

Pentachlorophenol

Concen: 1.42 ng

RT: 16.89 min Scan# 2347

Delta R.T. -0.01 min

Lab File: BM009326.D

Acq: 22 Mar 2017 19:59

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

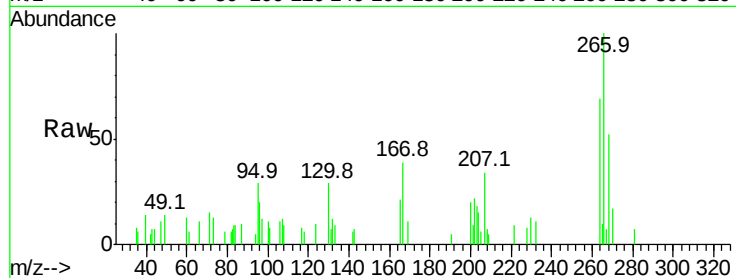
Tot Ion:266 Resp: 8453

Ion Ratio Lower Upper

266 100

268 52.0 52.0 78.0

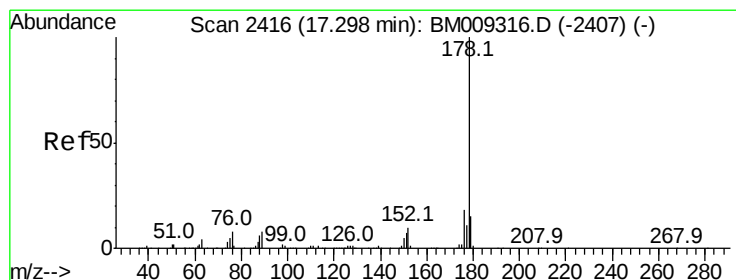
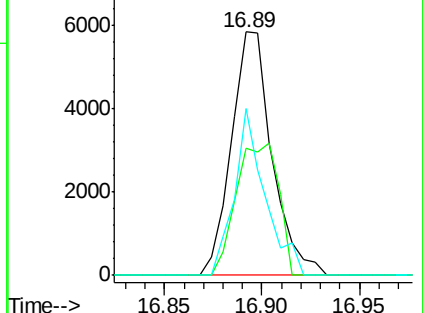
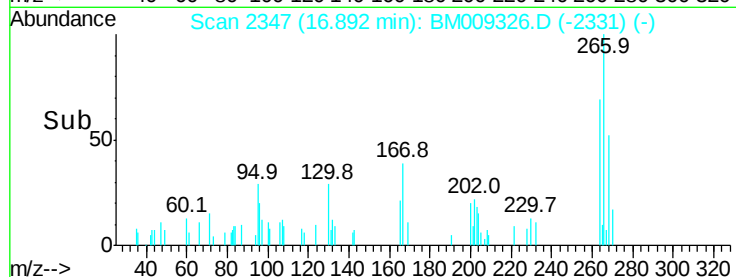
264 68.7 49.0 73.4



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#70

Phenanthrene

Concen: 1.98 ng

RT: 17.29 min Scan# 2415

Delta R.T. -0.01 min

Lab File: BM009326.D

Acq: 22 Mar 2017 19:59

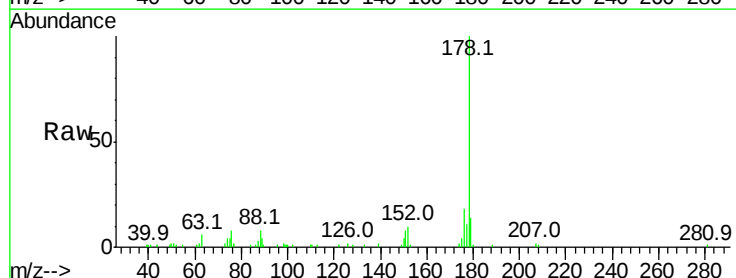
Tgt Ion:178 Resp: 86510

Ion Ratio Lower Upper

178 100

176 17.8 15.2 22.8

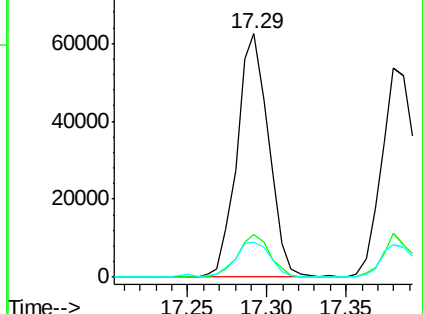
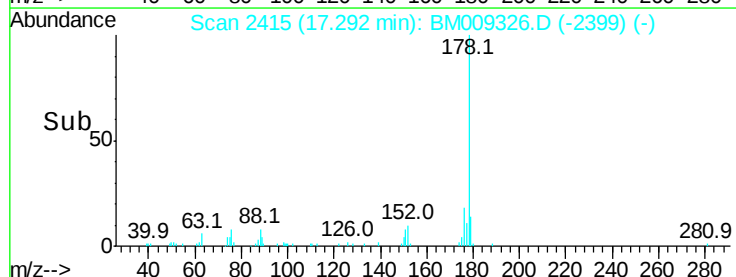
179 14.4 12.1 18.1

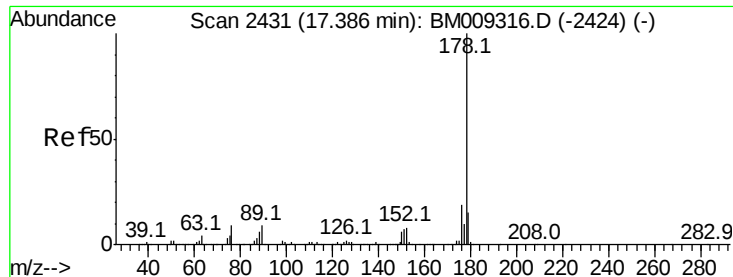


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

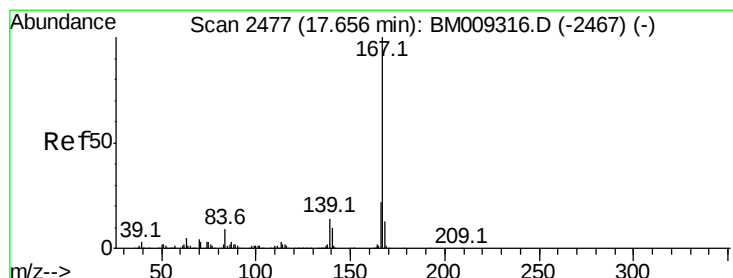
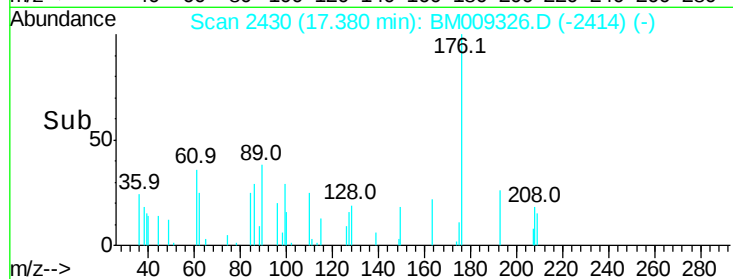
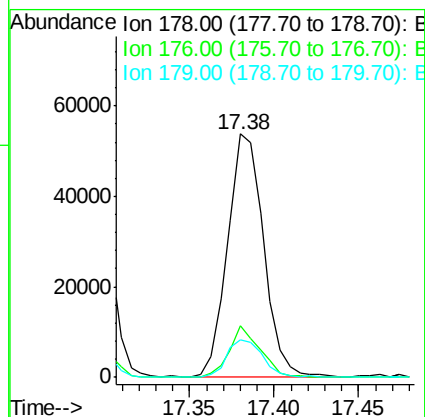
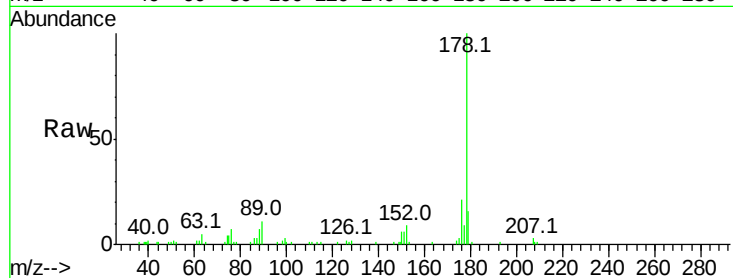




#71
 Anthracene
 Concen: 1.81 ng
 RT: 17.38 min Scan# 2430
 Delta R.T. -0.01 min
 Lab File: BM009326.D
 Acq: 22 Mar 2017 19:59

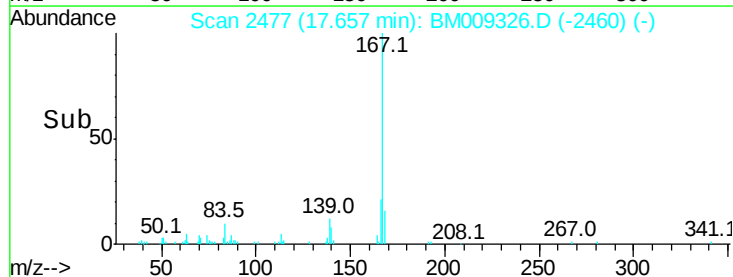
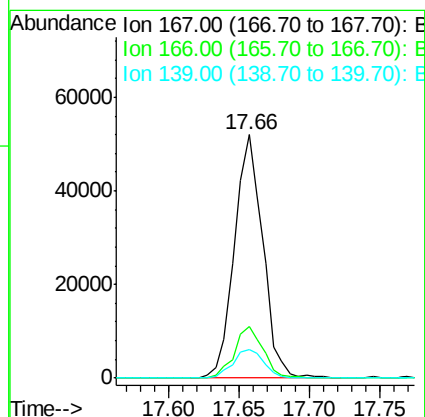
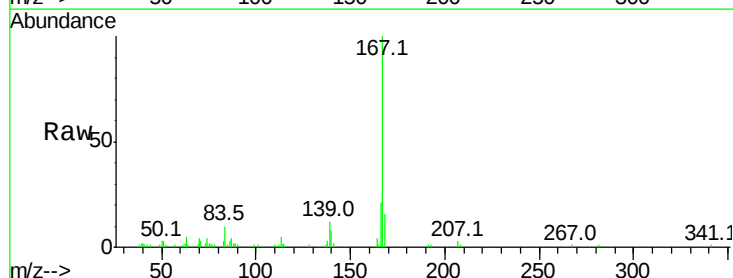
Instrument :
 BNA_M
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

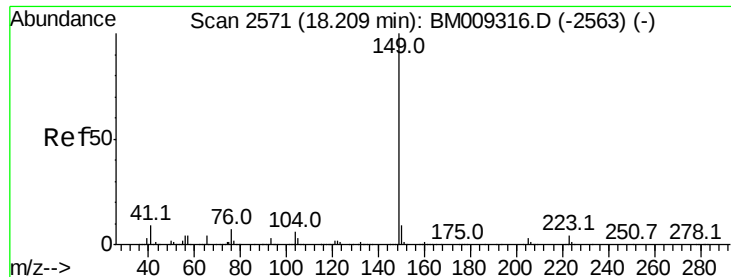
Tot Ion:178 Resp: 80155
 Ion Ratio Lower Upper
 178 100
 176 21.1 14.6 22.0
 179 15.6 12.6 19.0



#72
 Carbazole
 Concen: 1.72 ng
 RT: 17.66 min Scan# 2477
 Delta R.T. 0.00 min
 Lab File: BM009326.D
 Acq: 22 Mar 2017 19:59

Tgt Ion:167 Resp: 72730
 Ion Ratio Lower Upper
 167 100
 166 21.4 17.2 25.8
 139 11.7 10.8 16.2

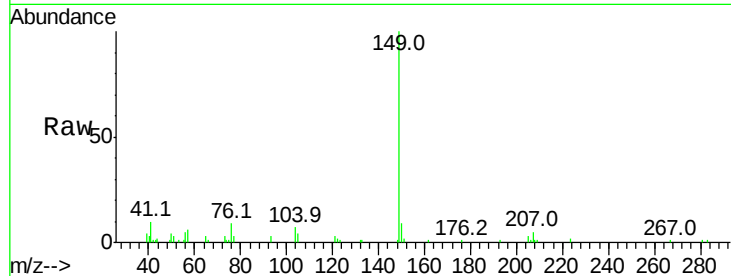




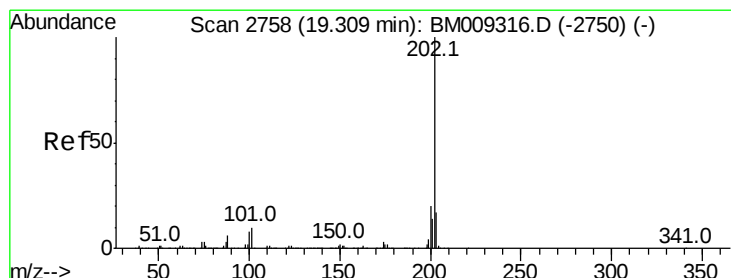
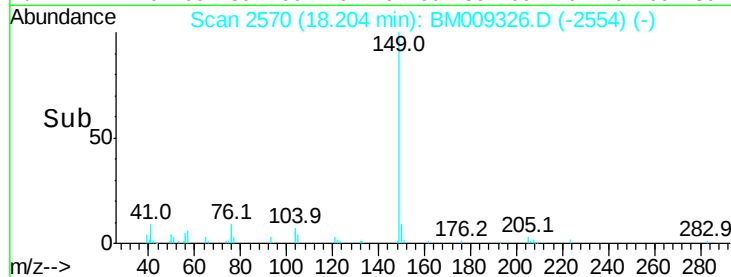
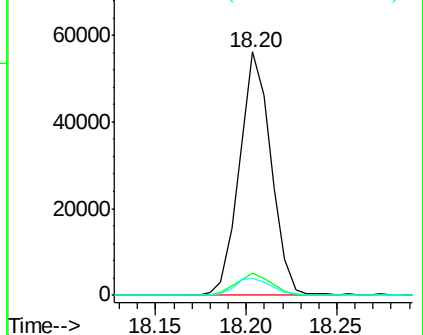
#73
Di-n-butylphthalate
Concen: 1.57 ng
RT: 18.20 min Scan# 2570
Delta R.T. -0.01 min
Lab File: BM009326.D
Acq: 22 Mar 2017 19:59

Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT2-2017

Tot Ion:149 Resp: 68044
Ion Ratio Lower Upper
149 100
150 9.0 7.5 11.3
104 6.9 3.7 5.5#

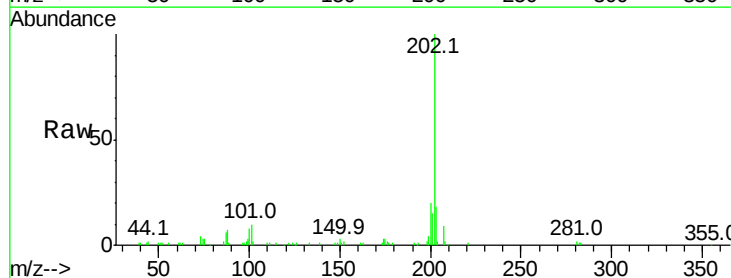


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E

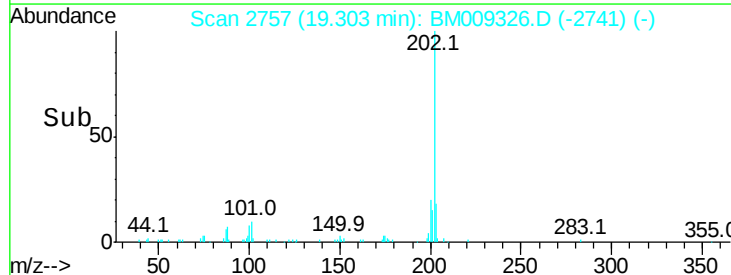
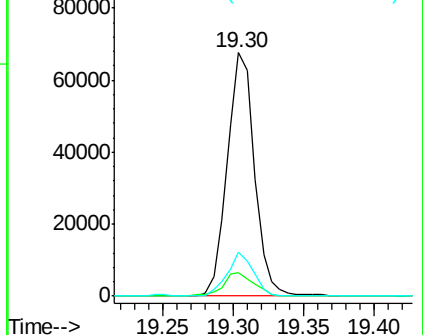


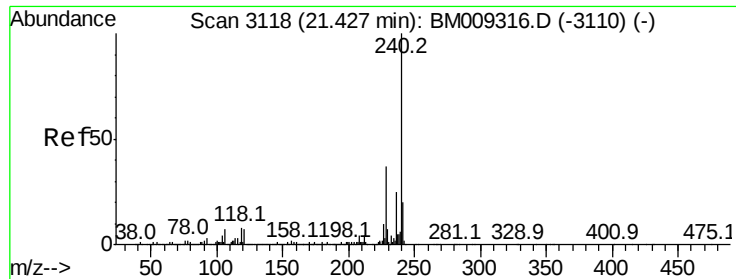
#74
Fluoranthene
Concen: 1.75 ng
RT: 19.30 min Scan# 2757
Delta R.T. -0.01 min
Lab File: BM009326.D
Acq: 22 Mar 2017 19:59

Tgt Ion:202 Resp: 90866
Ion Ratio Lower Upper
202 100
101 9.8 0.0 28.7
203 17.9 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: BM009326.D

Acq: 22 Mar 2017 19:59

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

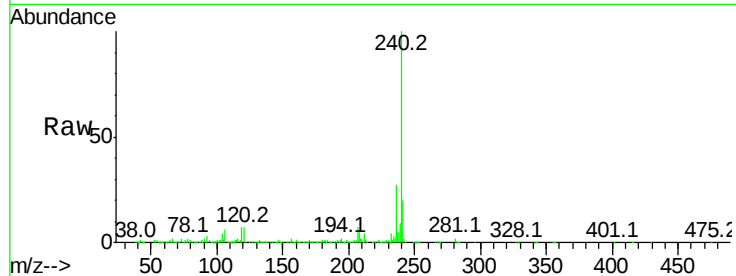
Tot Ion:240 Resp: 947434

Ion Ratio Lower Upper

240 100

120 6.9 8.2 12.2#

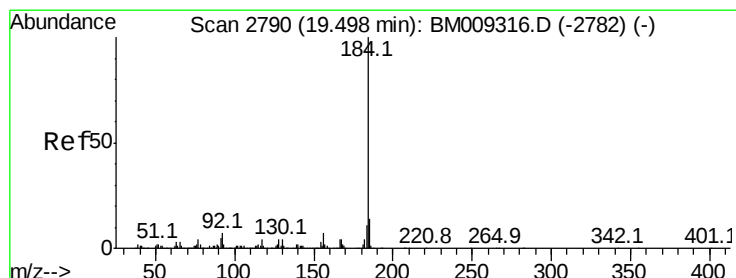
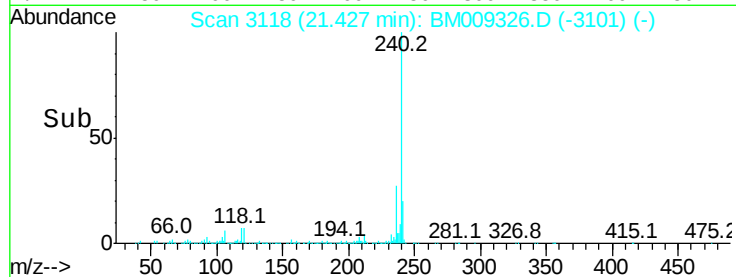
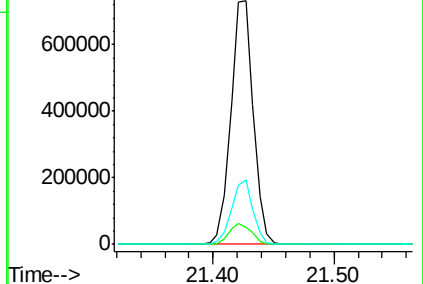
236 26.7 20.0 30.0



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: 1.25 ng

RT: 19.50 min Scan# 2790

Delta R.T. 0.00 min

Lab File: BM009326.D

Acq: 22 Mar 2017 19:59

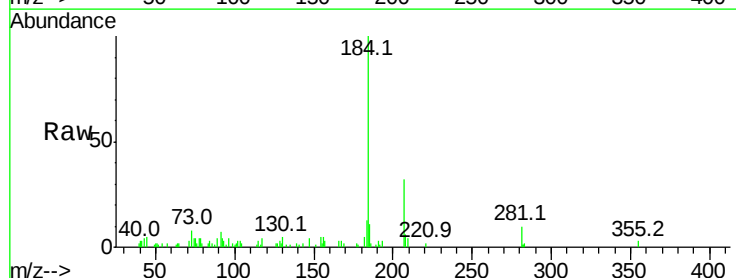
Tgt Ion:184 Resp: 35258

Ion Ratio Lower Upper

184 100

185 11.4 11.3 16.9

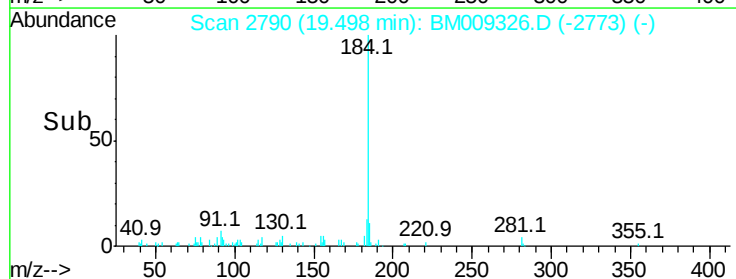
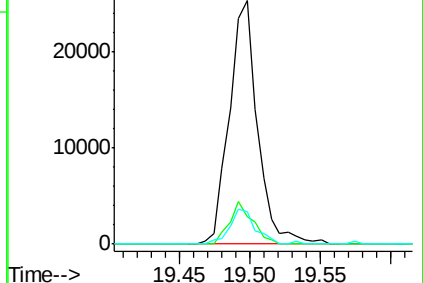
183 13.2 8.9 13.3

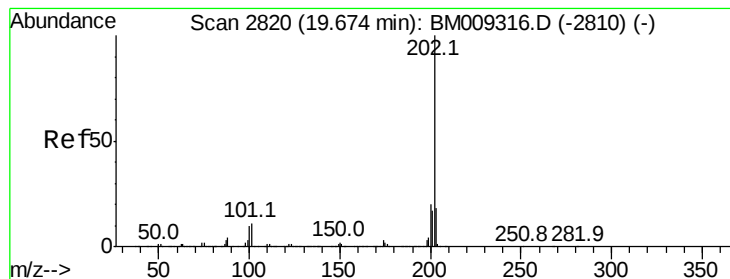


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 1.84 ng

RT: 19.67 min Scan# 2819

Delta R.T. -0.01 min

Lab File: BM009326.D

Acq: 22 Mar 2017 19:59

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

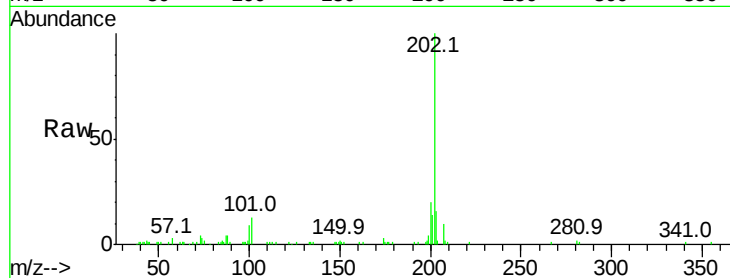
Tot Ion:202 Resp: 98729

Ion Ratio Lower Upper

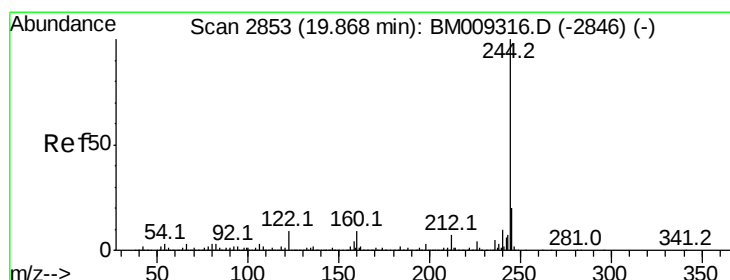
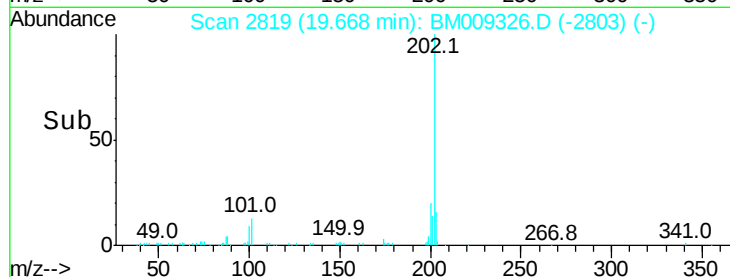
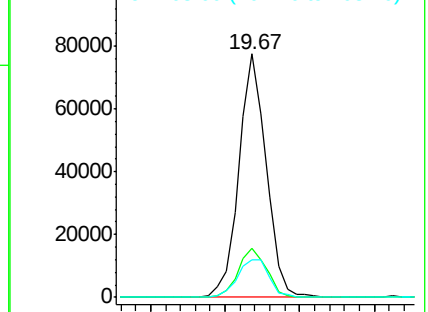
202 100

200 20.0 16.9 25.3

203 15.6 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: 83.38 ng

RT: 19.87 min Scan# 2853

Delta R.T. 0.00 min

Lab File: BM009326.D

Acq: 22 Mar 2017 19:59

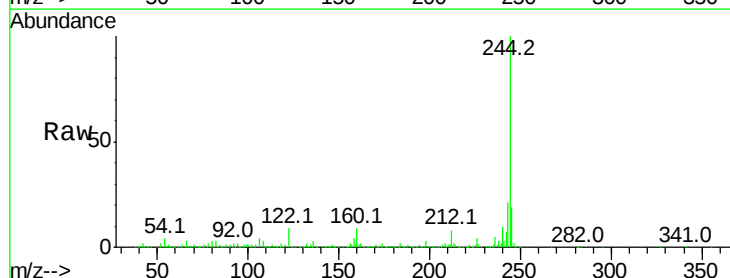
Tgt Ion:244 Resp: 3780265

Ion Ratio Lower Upper

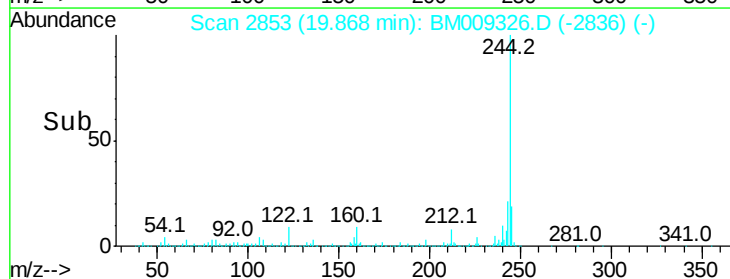
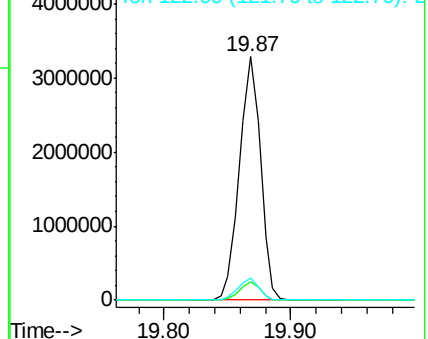
244 100

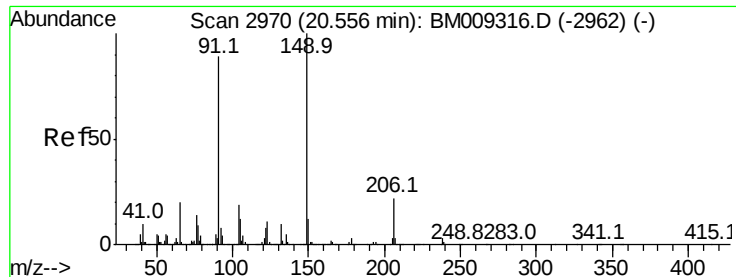
212 7.6 4.9 7.3#

122 8.9 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: 1.49 ng

RT: 20.56 min Scan# 2970

Delta R.T. 0.00 min

Lab File: BM009326.D

Acq: 22 Mar 2017 19:59

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

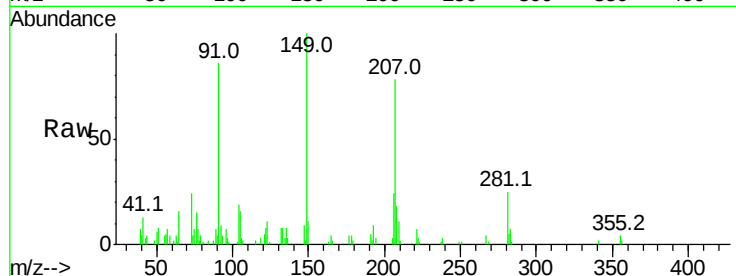
Tot Ion:149 Resp: 28893

Ion Ratio Lower Upper

149 100

91 86.2 50.1 75.1#

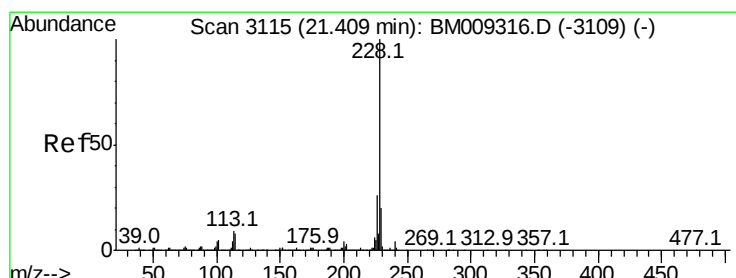
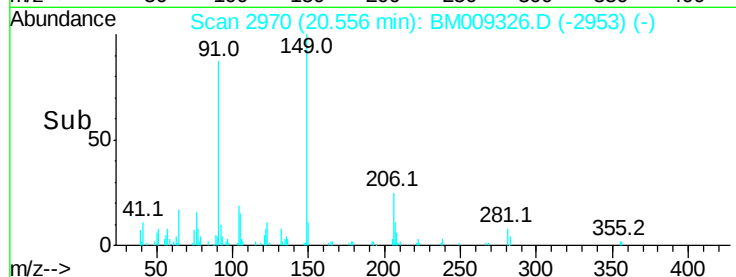
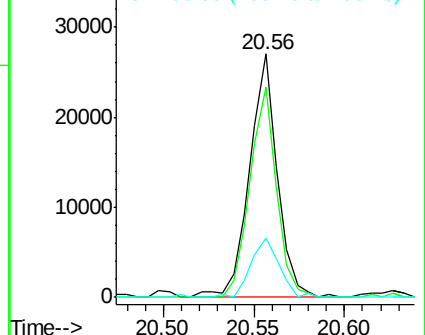
206 24.2 16.2 24.2#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM009316.D (-2962) (-)

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 1.88 ng

RT: 21.41 min Scan# 3115

Delta R.T. 0.00 min

Lab File: BM009326.D

Acq: 22 Mar 2017 19:59

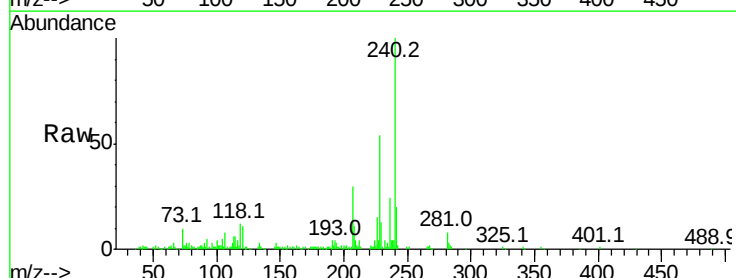
Tgt Ion:228 Resp: 104195

Ion Ratio Lower Upper

228 100

226 27.2 21.7 32.5

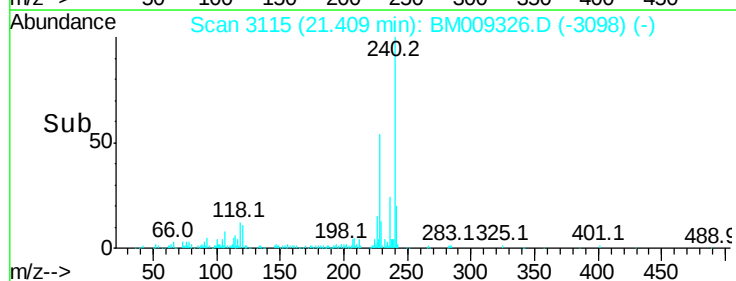
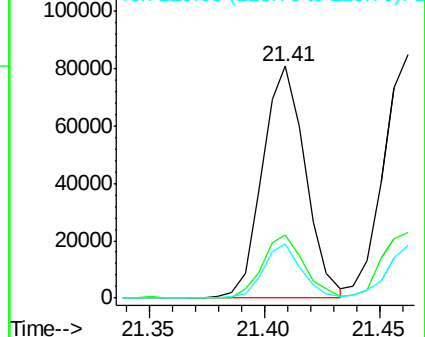
229 23.3 16.0 24.0

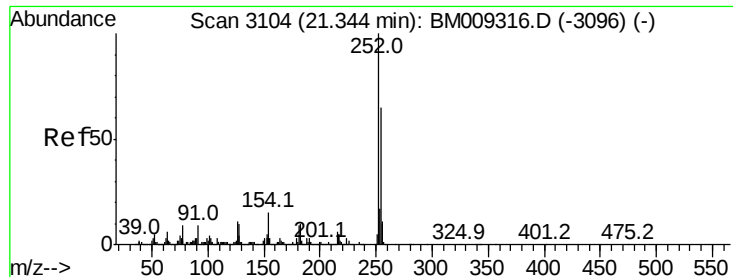


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#81

3,3'-Dichlorobenzidine

Concen: 1.74 ng

RT: 21.34 min Scan# 3104

Delta R.T. 0.00 min

Lab File: BM009326.D

Acq: 22 Mar 2017 19:59

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

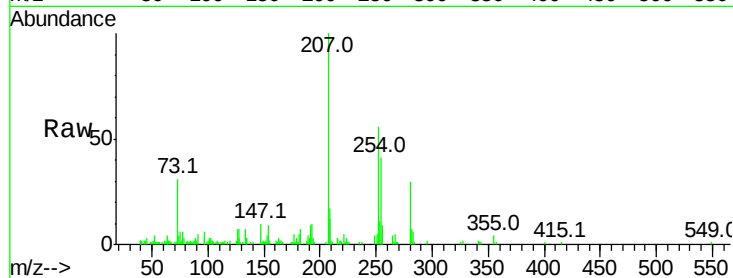
Tot Ion:252 Resp: 36094

Ion Ratio Lower Upper

252 100

254 74.1 51.9 77.9

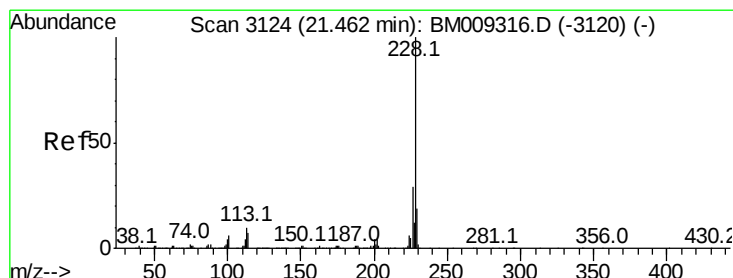
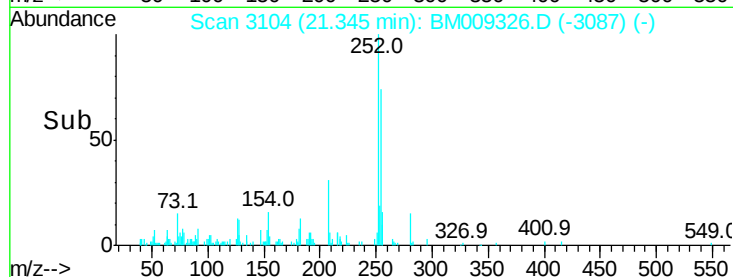
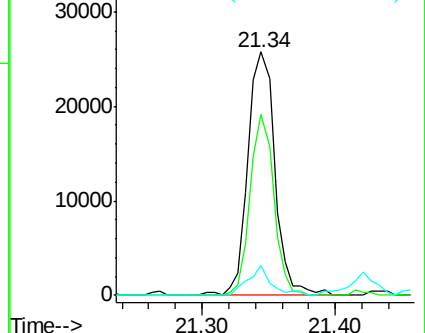
126 12.5 9.8 14.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



#82

Chrysene

Concen: 2.04 ng

RT: 21.46 min Scan# 3124

Delta R.T. 0.00 min

Lab File: BM009326.D

Acq: 22 Mar 2017 19:59

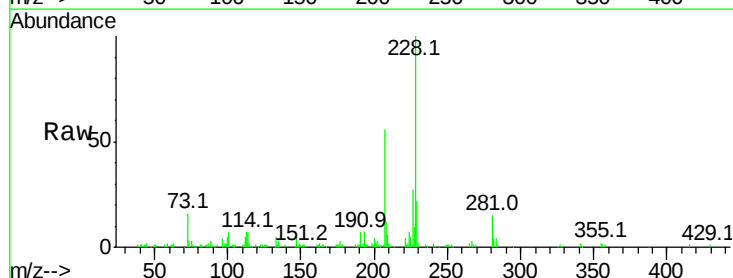
Tgt Ion:228 Resp: 107729

Ion Ratio Lower Upper

228 100

226 26.8 24.1 36.1

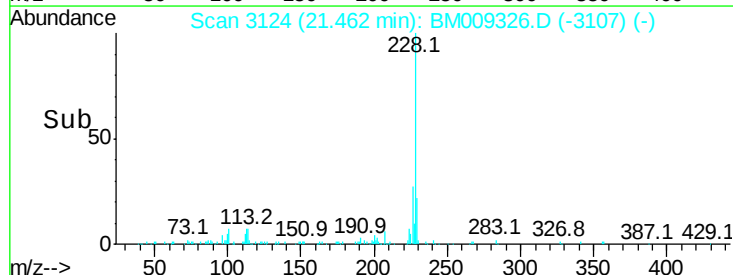
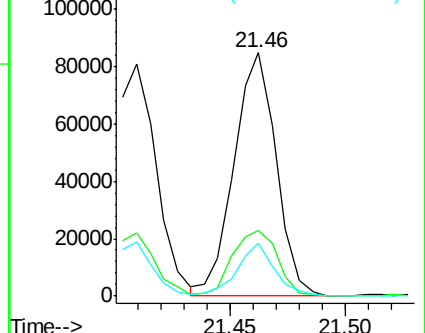
229 21.7 15.5 23.3

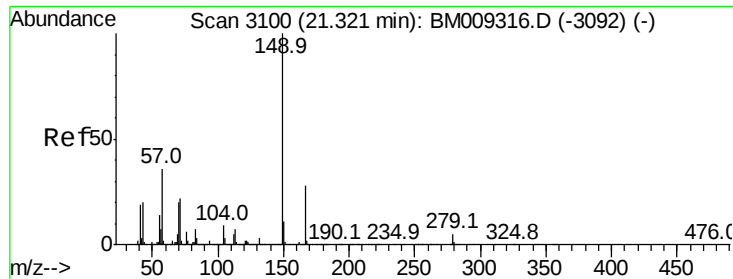


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 1.58 ng

RT: 21.32 min Scan# 3100

Delta R.T. 0.00 min

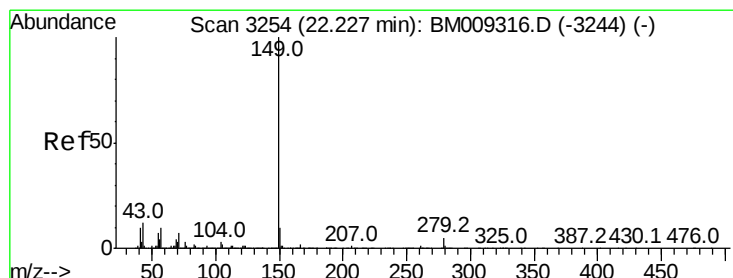
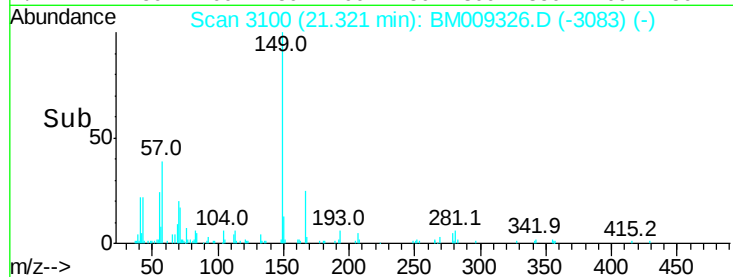
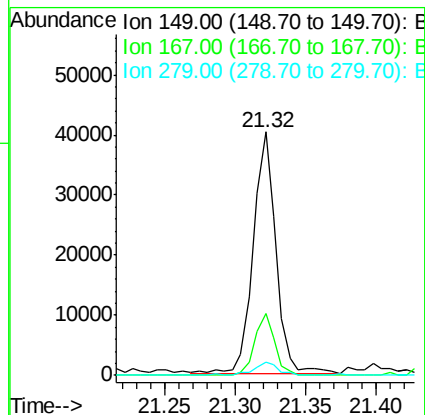
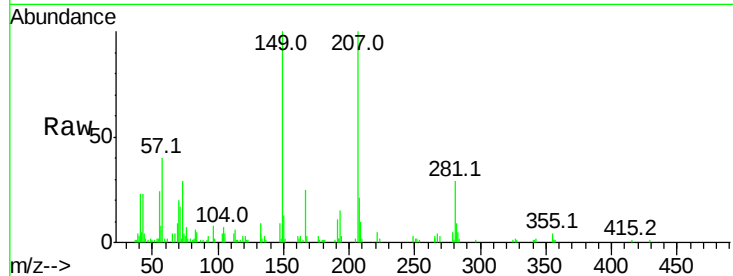
Lab File: BM009326.D

Acq: 22 Mar 2017 19:59

Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT2-2017

Tot Ion:149 Resp: 45647

Ion	Ratio	Lower	Upper
149	100		
167	25.3	22.4	33.6
279	5.4	3.4	5.0#



#84

Di-n-octyl phthalate

Concen: 1.49 ng

RT: 22.22 min Scan# 3253

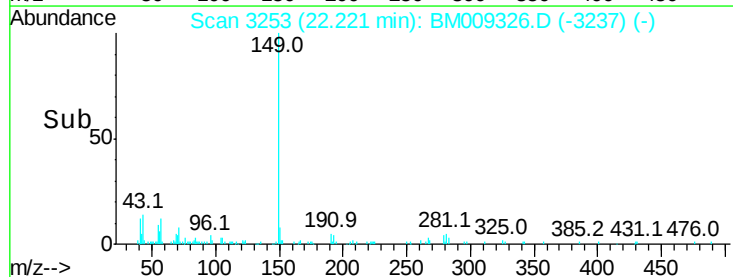
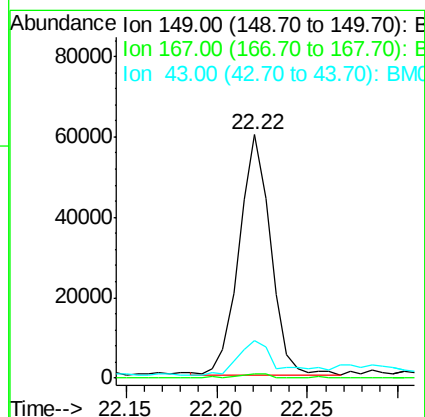
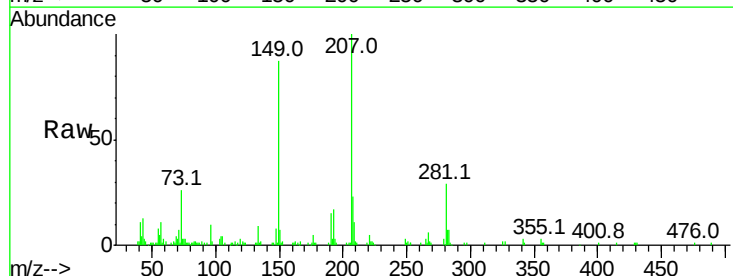
Delta R.T. -0.01 min

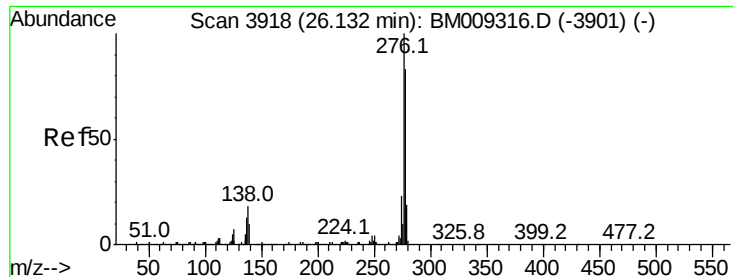
Lab File: BM009326.D

Acq: 22 Mar 2017 19:59

Tgt Ion:149 Resp: 71670

Ion	Ratio	Lower	Upper
149	100		
167	1.9	1.2	1.8#
43	17.0	7.3	10.9#

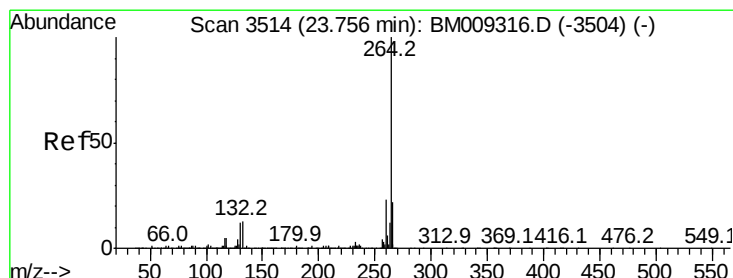
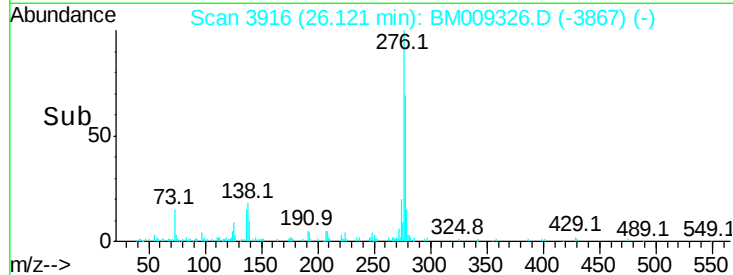
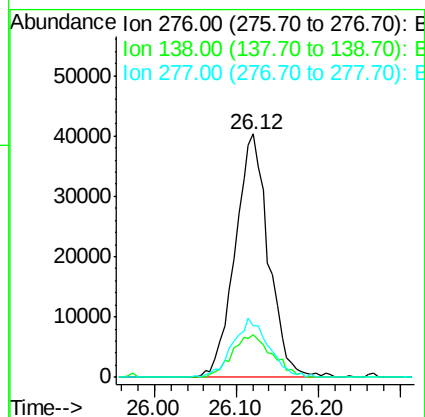
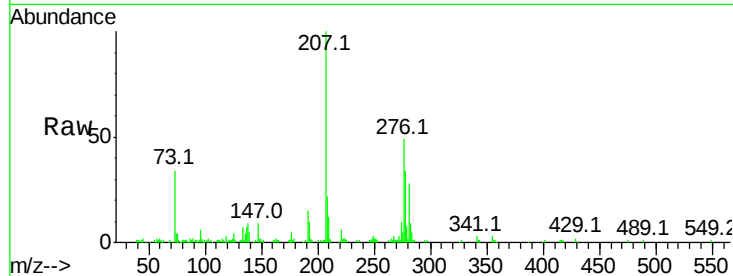




#85
Indeno(1,2,3-cd)pyrene
Concen: 1.99 ng
RT: 26.12 min Scan# 3916
Delta R.T. -0.01 min
Lab File: BM009326.D
Acq: 22 Mar 2017 19:59

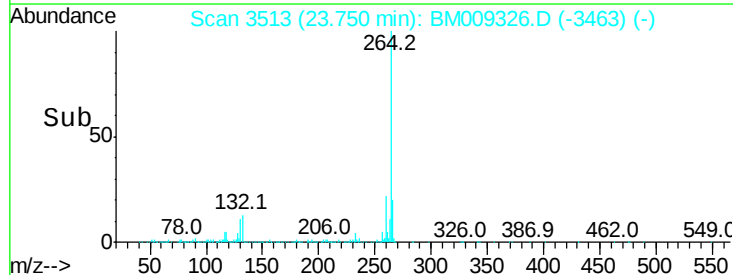
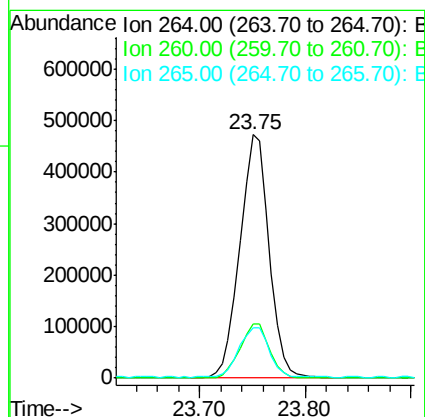
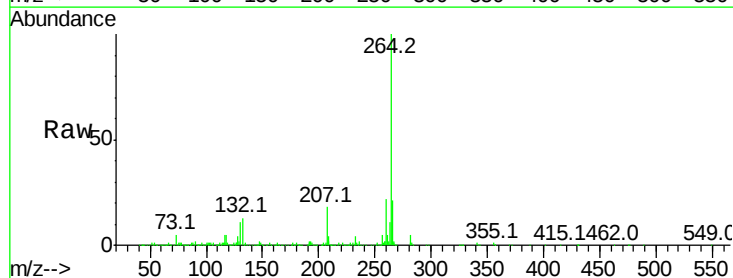
Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT2-2017

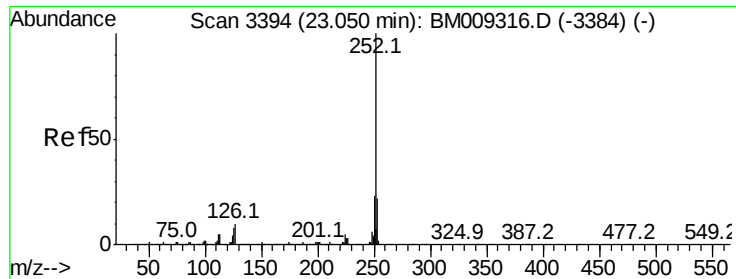
Tot Ion:276 Resp: 114567
Ion Ratio Lower Upper
276 100
138 20.8 0.0 0.0#
277 26.1 0.0 0.0#



#86
Perylene-d12
Concen: 20.00 ng
RT: 23.75 min Scan# 3513
Delta R.T. -0.01 min
Lab File: BM009326.D
Acq: 22 Mar 2017 19:59

Tgt Ion:264 Resp: 903074
Ion Ratio Lower Upper
264 100
260 22.5 18.6 27.8
265 20.8 17.3 25.9





#87

Benzo(b)fluoranthene

Concen: 1.60 ng

RT: 23.09 min Scan# 3400

Delta R.T. 0.04 min

Lab File: BM009326.D

Acq: 22 Mar 2017 19:59

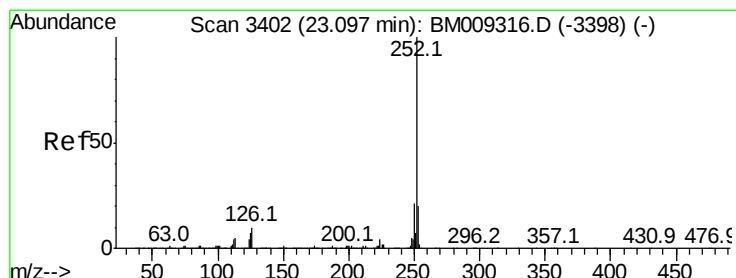
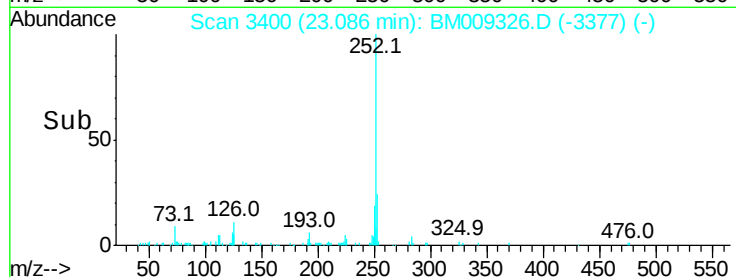
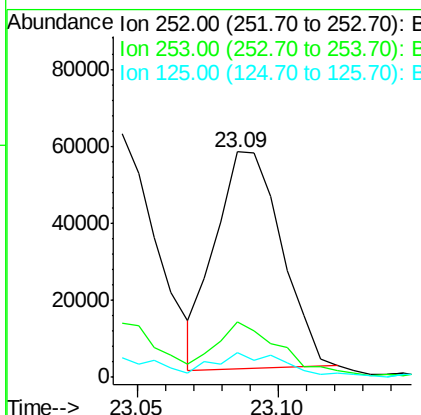
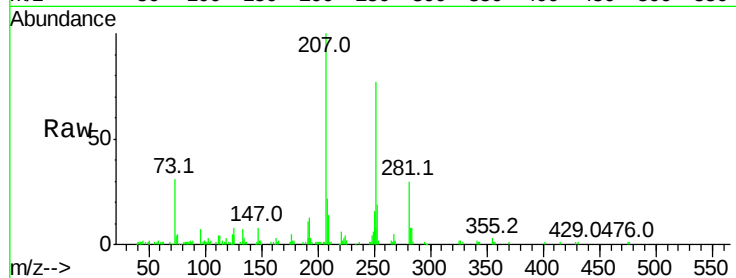
Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

Tot Ion:252	Resp:	91527
Ion Ratio	Lower	Upper
252	100	
253	24.6	18.0 27.0
125	10.8	9.9 14.9



#88

Benzo(k)fluoranthene

Concen: 1.76 ng

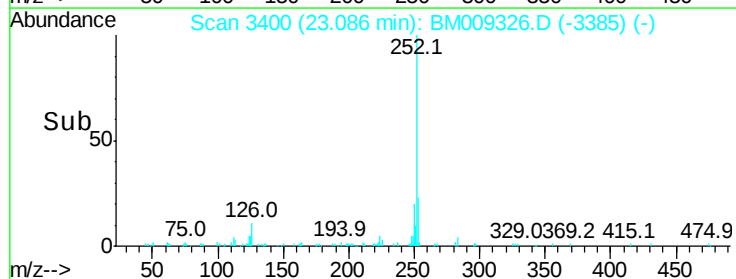
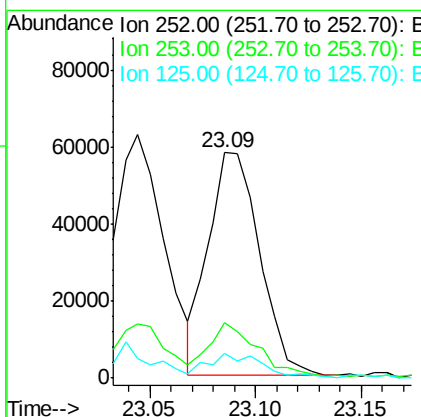
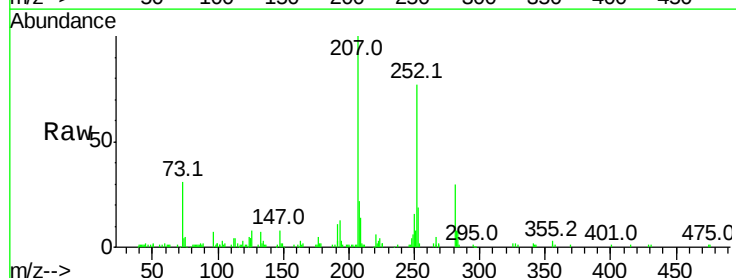
RT: 23.09 min Scan# 3400

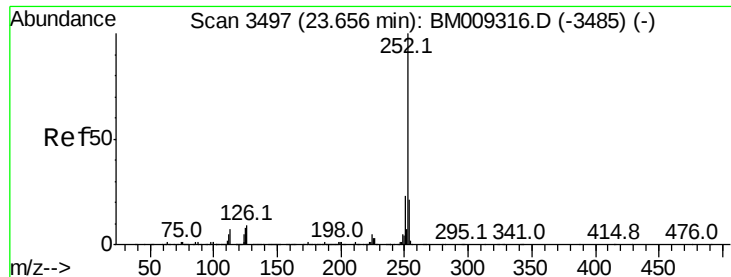
Delta R.T. -0.01 min

Lab File: BM009326.D

Acq: 22 Mar 2017 19:59

Tgt Ion:252	Resp:	97151
Ion Ratio	Lower	Upper
252	100	
253	24.6	17.2 25.8
125	10.8	8.1 12.1





#89

Benzo(a)pyrene

Concen: 1.95 ng

RT: 23.64 min Scan# 3495

Delta R.T. -0.01 min

Lab File: BM009326.D

Acq: 22 Mar 2017 19:59

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

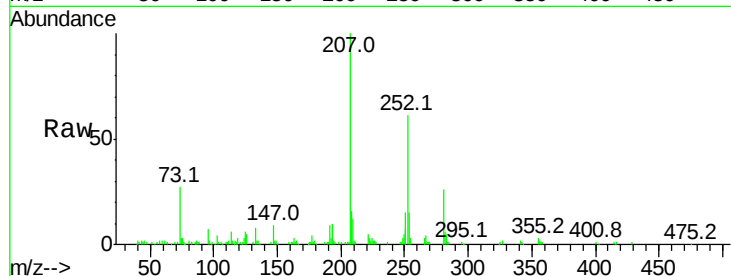
Tot Ion:252 Resp: 103287

Ion Ratio Lower Upper

252 100

253 23.9 17.6 26.4

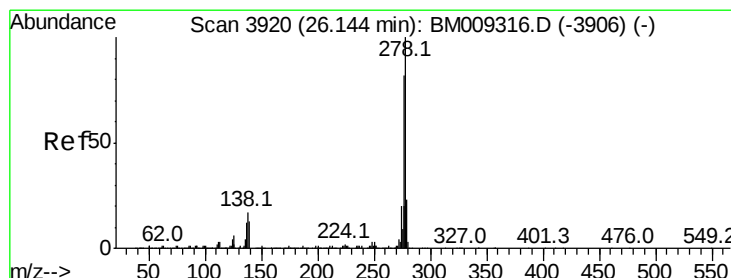
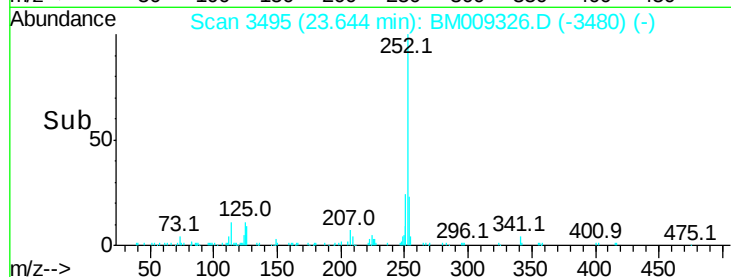
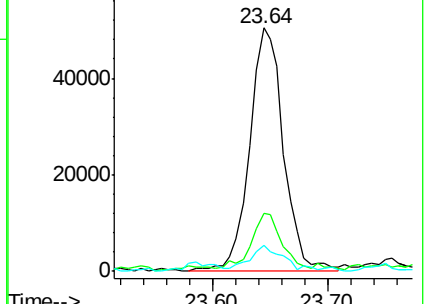
125 10.5 7.4 11.2



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: 1.94 ng

RT: 26.13 min Scan# 3917

Delta R.T. -0.02 min

Lab File: BM009326.D

Acq: 22 Mar 2017 19:59

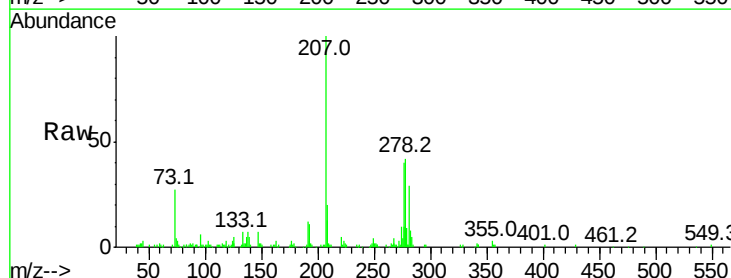
Tgt Ion:278 Resp: 100737

Ion Ratio Lower Upper

278 100

139 13.1 13.4 20.0#

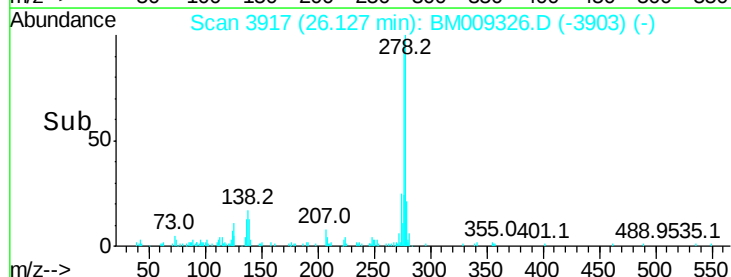
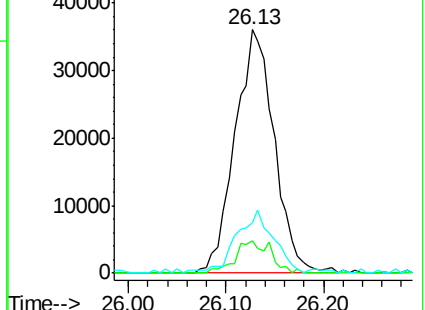
279 20.8 19.0 28.4

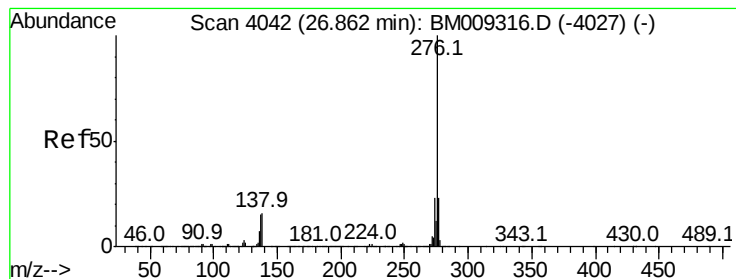


Abundance Ion 278.00 (277.70 to 278.70): E

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: 1.90 ng

RT: 26.85 min Scan# 4040

Delta R.T. -0.01 min

Lab File: BM009326.D

Acq: 22 Mar 2017 19:59

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

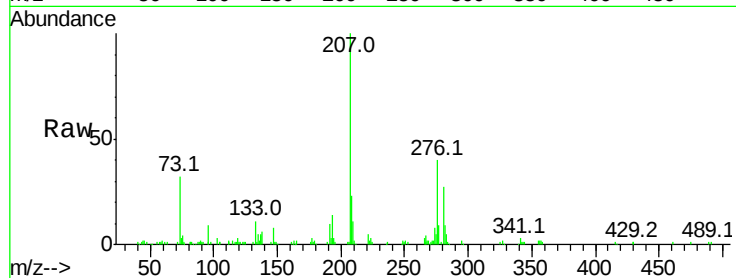
Tot Ion: 276 Resp: 96139

Ion Ratio Lower Upper

276 100

277 22.8 18.5 27.7

138 14.3 19.0 28.6#



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

