

Data Path : Z:\HPCHEM1\BNA M\DATA\BM032217\
 Data File : BM009328.D
 Acq On : 22 Mar 2017 21:11
 Operator : SJ/MA
 Sample : I2296-01
 Misc : LOD 8 PPB
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Mar 23 04:10:41 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	167631	20.00	ng	0.00
21) Naphthalene-d8	10.66	136	642565	20.00	ng	0.00
38) Acenaphthene-d10	14.50	164	368637	20.00	ng	0.00
63) Phenanthrene-d10	17.25	188	859297	20.00	ng	0.00
75) Chrysene-d12	21.43	240	1129268	20.00	ng	0.00
86) Perylene-d12	23.75	264	1061037	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	1397052	138.92	ng	0.00
7) Phenol-d6	7.02	99	1869121	136.29	ng	0.00
23) Nitrobenzene-d5	9.03	82	1502974	87.70	ng	0.00
41) 2,4,6-Tribromophenol	16.00	330	668320	145.94	ng	0.00
44) 2-Fluorobiphenyl	13.12	172	2809498	91.83	ng	0.00
78) Terphenyl-d14	19.87	244	4336107	80.24	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.37	88	40418	7.99	ng	# 100
3) Pyridine	3.77	79	108910	7.62	ng	# 75
4) n-Nitrosodimethylamine	3.68	42	56428	7.42	ng	# 67
6) Aniline	7.19	93	146114	7.84	ng	# 87
8) 2-Chlorophenol	7.42	128	84226	8.26	ng	# 73
9) Benzaldehyde	7.01	77	95371	8.84	ng	# 72
10) Phenol	7.05	94	124264	8.36	ng	# 85
11) bis(2-Chloroethyl)ether	7.29	93	102765	8.44	ng	# 82
12) 1,3-Dichlorobenzene	7.75	146	101240	8.29	ng	# 82
13) 1,4-Dichlorobenzene	7.90	146	102219	8.10	ng	# 96
14) 1,2-Dichlorobenzene	8.21	146	105581	8.62	ng	# 92
15) Benzyl Alcohol	8.10	79	91888	7.66	ng	# 85
16) 2,2'-oxybis(1-Chloropropan	8.38	45	171419	8.10	ng	# 96
17) 2-Methylphenol	8.29	107	79029	8.13	ng	# 86
18) Hexachloroethane	8.93	117	39350	7.63	ng	# 87
19) n-Nitroso-di-n-propylamine	8.66	70	84556	7.65	ng	# 93
20) 3+4-Methylphenols	8.62	107	102452	7.75	ng	# 89
22) Acetophenone	8.68	105	142282	7.85	ng	# 93
24) Nitrobenzene	9.07	77	141018	8.40	ng	# 89
25) Isophorone	9.59	82	204075	7.81	ng	# 87
26) 2-Nitrophenol	9.77	139	36954	7.30	ng	# 50
27) 2,4-Dimethylphenol	9.82	122	69533	7.51	ng	# 76
28) bis(2-Chloroethoxy)methane	10.07	93	122741	7.58	ng	# 95
29) 2,4-Dichlorophenol	10.30	162	73350	7.57	ng	# 94
30) 1,2,4-Trichlorobenzene	10.52	180	94104	7.83	ng	# 96
31) Naphthalene	10.71	128	265442	7.78	ng	# 98
32) Benzoic acid	9.89	122	29907	4.75	ng	# 77
33) 4-Chloroaniline	10.82	127	100212	7.62	ng	# 78
34) Hexachlorobutadiene	10.98	225	65338	7.94	ng	# 92
35) Caprolactam	11.59	113	20338	6.88	ng	# 86
36) 4-Chloro-3-methylphenol	11.93	107	81710	7.46	ng	# 81
37) 2-Methylnaphthalene	12.32	142	183704	7.80	ng	# 89
39) 1,2,4,5-Tetrachlorobenzene	12.69	216	112442	8.08	ng	# 100
40) Hexachlorocyclopentadiene	12.66	237	56023	7.01	ng	# 97

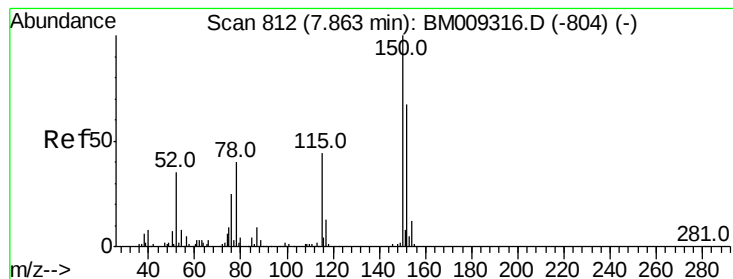
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	12.93	196	56448	7.09	nq	97
43) 2,4,5-Trichlorophenol	13.00	196	67778	7.63	nq	# 92
45) 1,1'-Biphenyl	13.33	154	251758	8.21	nq	94
46) 2-Chloronaphthalene	13.37	162	191090	8.02	nq	# 92
47) 2-Nitroaniline	13.59	65	62577	7.13	nq	# 66
48) Acenaphthylene	14.22	152	310613	8.00	nq	99
49) Dimethylphthalate	13.96	163	228600	8.08	nq	# 98
50) 2,6-Dinitrotoluene	14.08	165	47481	7.78	nq	# 66
51) Acenaphthene	14.57	154	189109	8.08	nq	98
52) 3-Nitroaniline	14.42	138	45358	7.55	nq	# 71
53) 2,4-Dinitrophenol	14.62	184	19757	9.94	nq	92
54) Dibenzofuran	14.90	168	277196	8.00	nq	94
55) 4-Nitrophenol	14.71	139	34811	7.01	nq	# 9
56) 2,4-Dinitrotoluene	14.87	165	60510	7.33	nq	100
57) Fluorene	15.55	166	243572	7.82	nq	98
58) 2,3,4,6-Tetrachlorophenol	15.12	232	57875	7.71	nq	# 100
59) Diethylphthalate	15.32	149	229114	7.98	nq	95
60) 4-Chlorophenyl-phenylether	15.54	204	125884	7.74	nq	97
61) 4-Nitroaniline	15.57	138	45046	6.90	nq	# 36
62) Azobenzene	15.83	77	254929	7.61	nq	82
64) 4,6-Dinitro-2-methylphenol	15.63	198	33292	6.15	nq	84
65) n-Nitrosodiphenylamine	15.76	169	200219	7.67	nq	99
66) 4-Bromophenyl-phenylether	16.44	248	80848	8.12	nq	# 89
67) Hexachlorobenzene	16.55	284	86012	7.88	nq	93
68) Atrazine	16.70	200	76118	7.75	nq	94
69) Pentachlorophenol	16.90	266	42658	6.40	nq	95
70) Phenanthrene	17.29	178	386728	7.87	nq	98
71) Anthracene	17.38	178	378278	7.60	nq	99
72) Carbazole	17.66	167	371507	7.80	nq	98
73) Di-n-butylphthalate	18.20	149	354476	7.28	nq	# 98
74) Fluoranthene	19.30	202	450813	7.75	nq	98
76) Benzidine	19.49	184	221897	6.59	nq	# 96
77) Pyrene	19.67	202	486853	7.60	nq	96
79) Butylbenzylphthalate	20.56	149	159816	6.93	nq	# 69
80) Benzo(a)anthracene	21.41	228	506723	7.68	nq	99
81) 3,3'-Dichlorobenzidine	21.34	252	191895	7.77	nq	# 98
82) Chrysene	21.46	228	507200	8.05	nq	100
83) Bis(2-ethylhexyl)phthalate	21.32	149	236988	6.89	nq	# 96
84) Di-n-octyl phthalate	22.22	149	413474	7.22	nq	# 87
85) Indeno(1,2,3-cd)pyrene	26.12	276	556863	8.11	nq	# 100
87) Benzo(b)fluoranthene	23.04	252	532465	7.92	nq	# 95
88) Benzo(k)fluoranthene	23.04	252	527662	8.16	nq	98
89) Benzo(a)pyrene	23.64	252	471944	7.58	nq	99
90) Dibenzo(a,h)anthracene	26.13	278	473538	7.76	nq	# 94
91) Benzo(g,h,i)perylene	26.84	276	464131	7.80	nq	# 93

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.86 min Scan# 811

Delta R.T. -0.01 min

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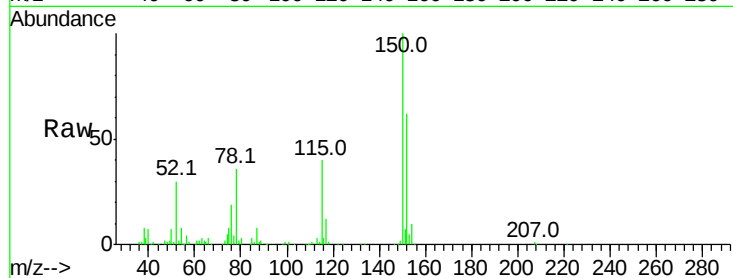
Tot Ion:152 Resp: 167631

Ion Ratio Lower Upper

152 100

150 160.0 119.5 179.3

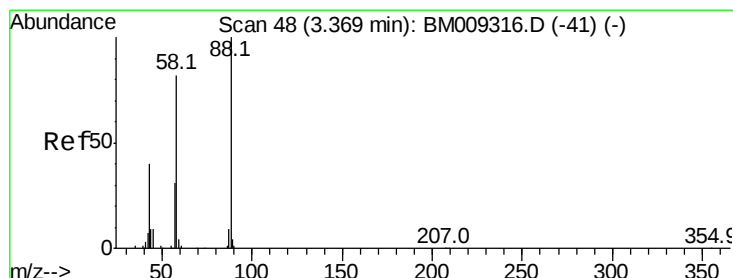
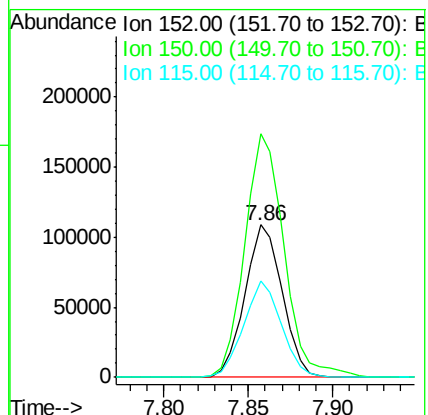
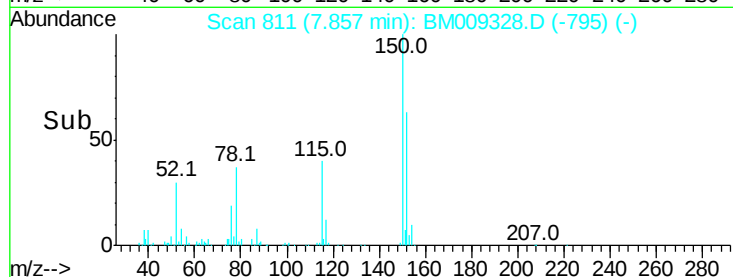
115 63.8 43.0 64.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 7.99 ng

RT: 3.37 min Scan# 48

Delta R.T. 0.00 min

Lab File: BM009328.D

Acq: 22 Mar 2017 21:11

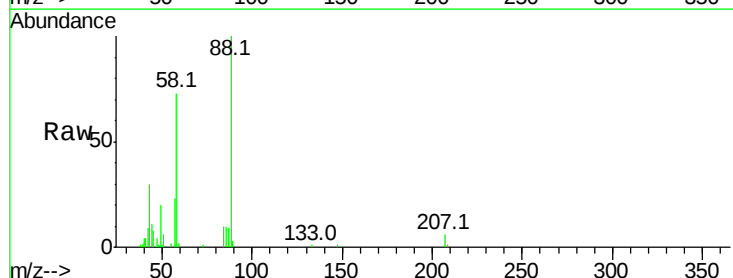
Tgt Ion: 88 Resp: 40418

Ion Ratio Lower Upper

88 100

58 87.7 0.0 0.0#

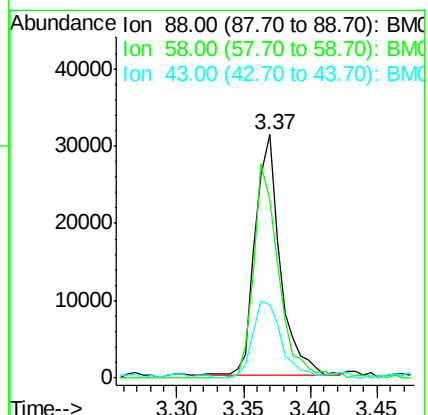
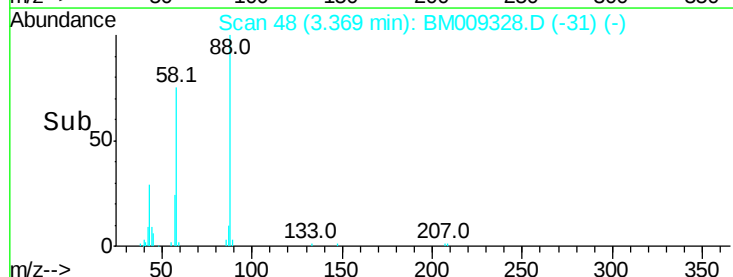
43 36.8 0.0 0.0#

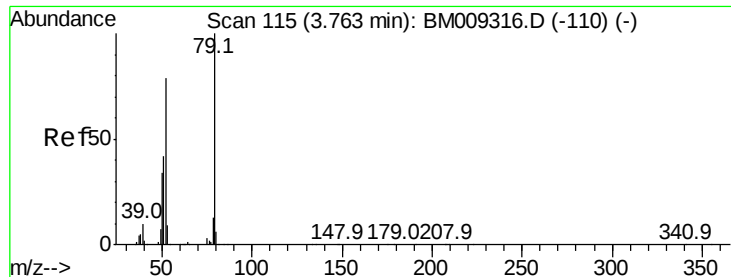


Abundance Ion 88.00 (87.70 to 88.70): BM0

Ion 58.00 (57.70 to 58.70): BM0

Ion 43.00 (42.70 to 43.70): BM0





#3

Pvridine

Concen: 7.62 ng

RT: 3.77 min Scan# 116

Delta R.T. 0.01 min

Lab File: BM009328.D

Acq: 22 Mar 2017 21:11

Instrument :

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ClientSampleId :

LOD-SOIL-01-QT2-2017

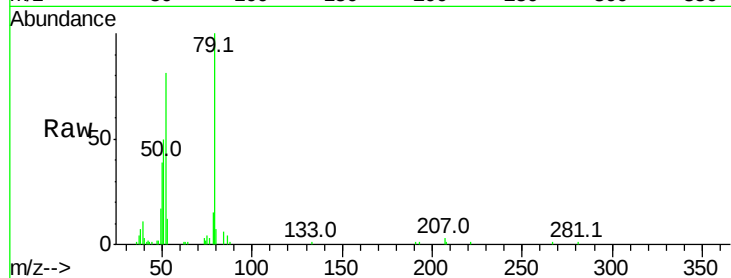
Tot Ion: 79 Resp: 108910

Ion Ratio Lower Upper

79 100

52 81.5 51.1 76.7#

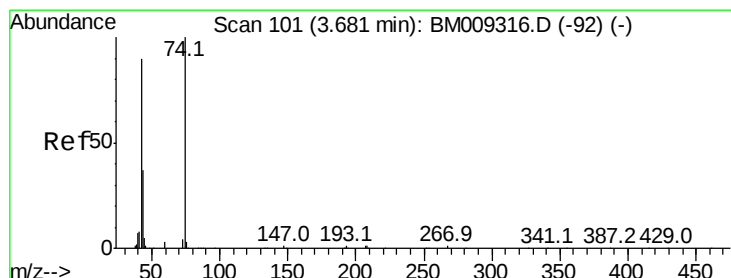
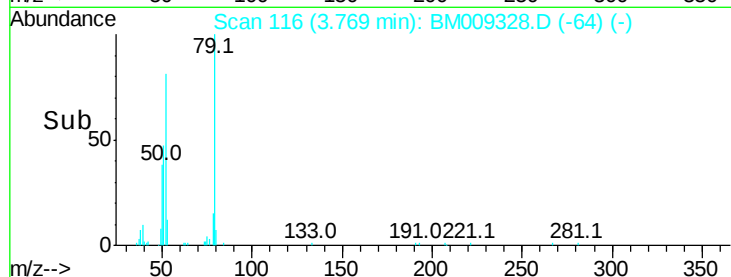
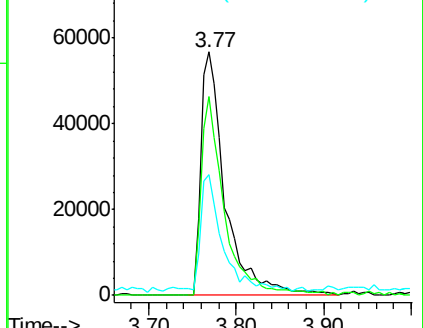
51 49.8 26.1 39.1#



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

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

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



#4

n-Nitrosodimethylamine

Concen: 7.42 ng

RT: 3.68 min Scan# 101

Delta R.T. -0.00 min

Lab File: BM009328.D

Acq: 22 Mar 2017 21:11

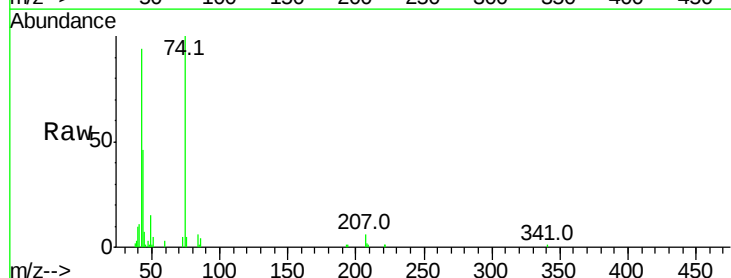
Tgt Ion: 42 Resp: 56428

Ion Ratio Lower Upper

42 100

74 106.1 119.3 178.9#

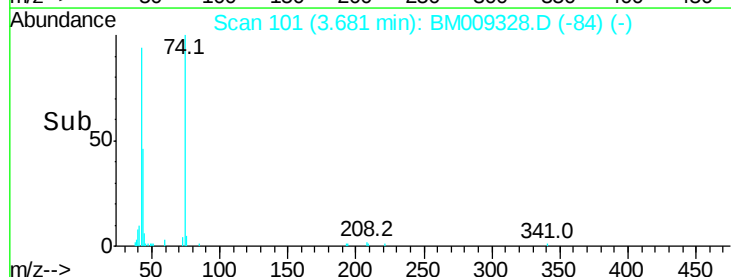
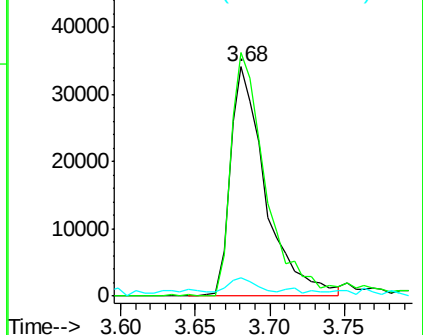
44 7.9 5.4 8.2

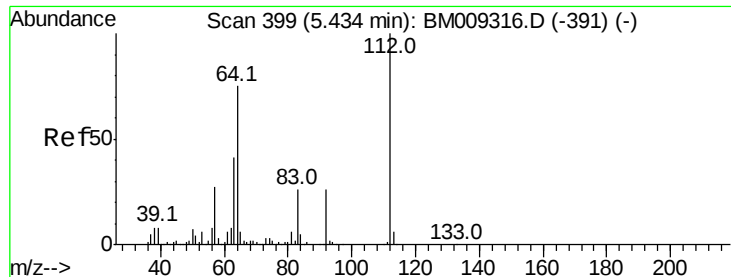


Abundance Ion 42.00 (41.70 to 42.70): BM009316.D (-92) (-)

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

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





#5

2-Fluorophenol

Concen: 138.92 ng

RT: 5.43 min Scan# 399

Delta R.T. 0.00 min

Lab File: BM009328.D

Acq: 22 Mar 2017 21:11

Instrument :

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ClientSampleId :

LOD-SOIL-01-QT2-2017

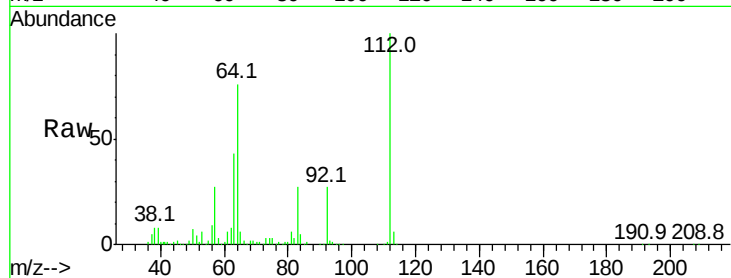
Tot Ion:112 Resp: 1397052

Ion Ratio Lower Upper

112 100

64 76.3 38.6 57.8#

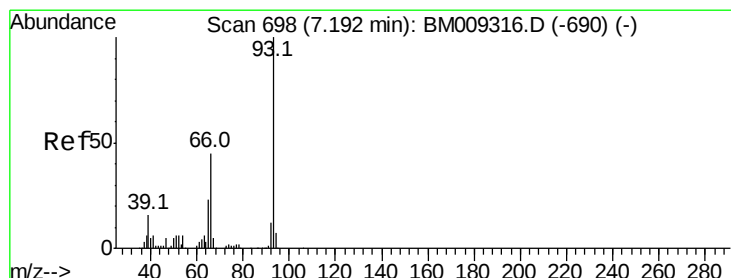
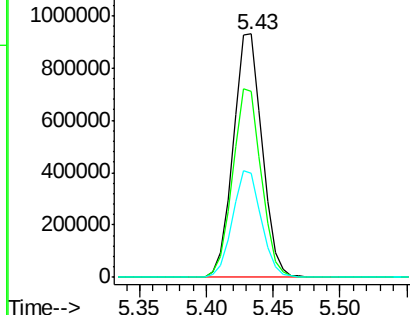
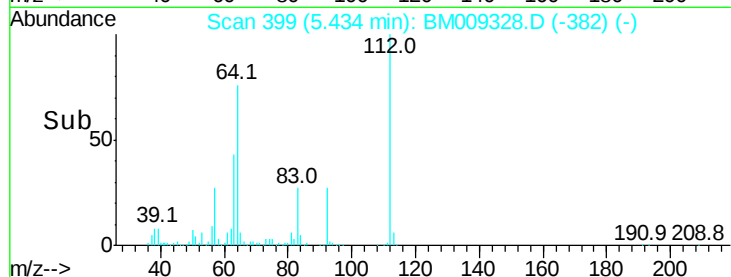
63 43.0 19.3 28.9#



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0



#6

Aniline

Concen: 7.84 ng

RT: 7.19 min Scan# 698

Delta R.T. 0.00 min

Lab File: BM009328.D

Acq: 22 Mar 2017 21:11

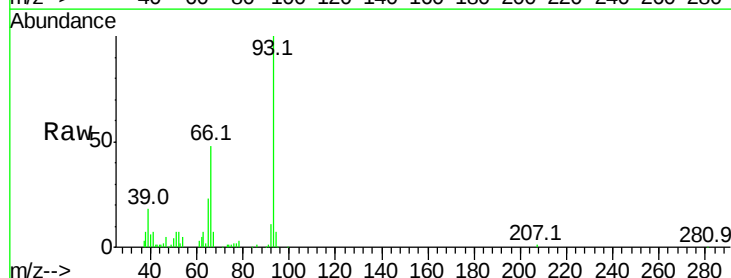
Tgt Ion: 93 Resp: 146114

Ion Ratio Lower Upper

93 100

66 48.4 30.8 46.2#

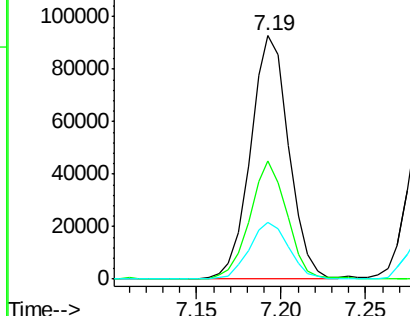
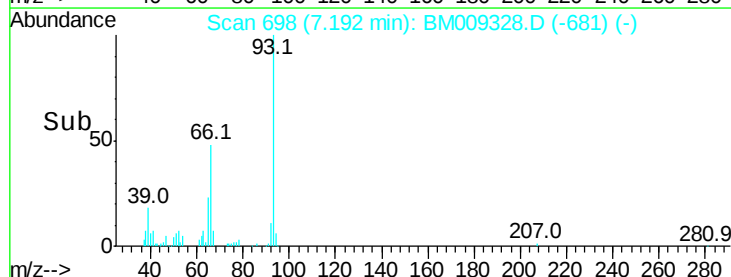
65 23.3 16.0 24.0

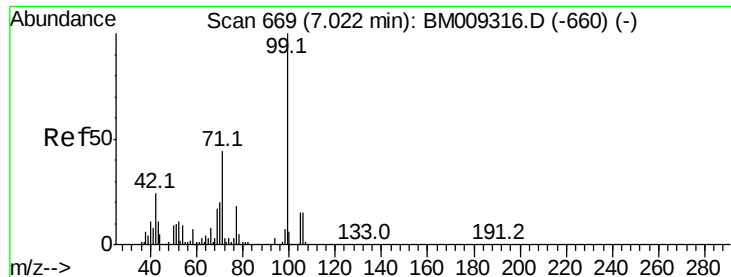


Abundance Ion 93.00 (92.70 to 93.70): BM0

Ion 66.00 (65.70 to 66.70): BM0

Ion 65.00 (64.70 to 65.70): BM0





#7

Phenol-d6

Concen: 136.29 ng

RT: 7.02 min Scan# 668

Delta R.T. -0.01 min

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ClientSampleId :

LOD-SOIL-01-QT2-2017

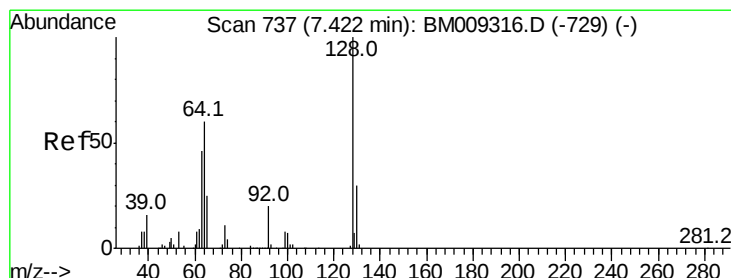
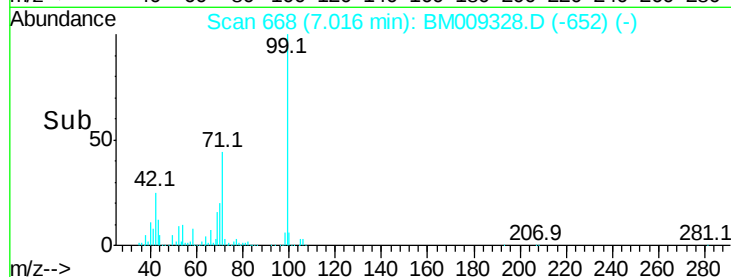
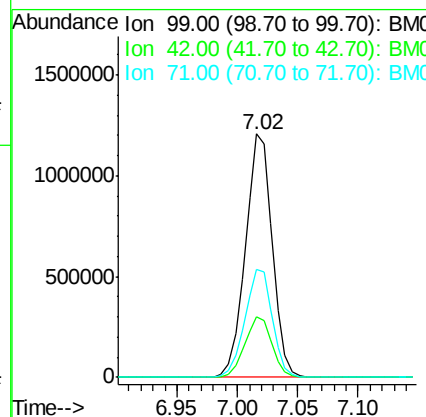
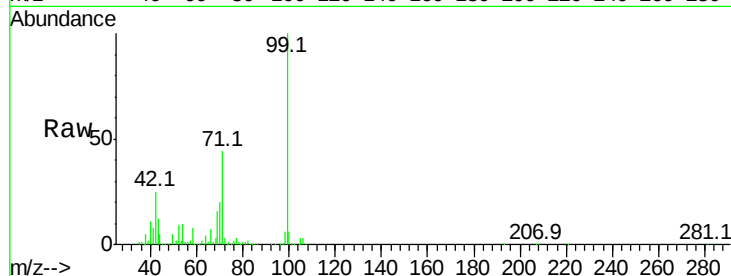
Tot Ion: 99 Resp: 1869121

Ion Ratio Lower Upper

99 100

42 25.1 11.0 16.4#

71 44.5 23.4 35.2#



#8

2-Chlorophenol

Concen: 8.26 ng

RT: 7.42 min Scan# 737

Delta R.T. -0.00 min

Lab File: BM009328.D

Acq: 22 Mar 2017 21:11

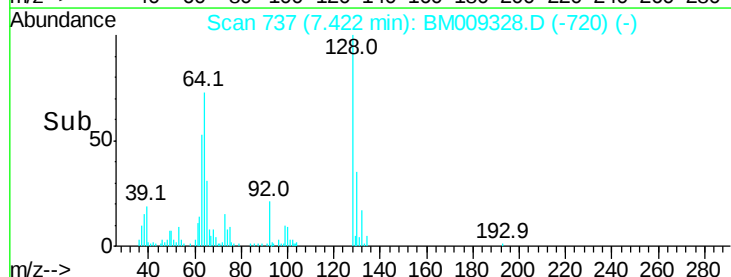
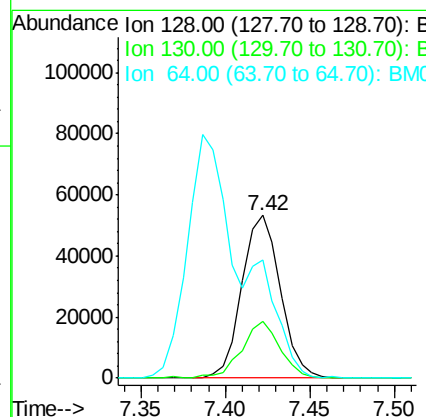
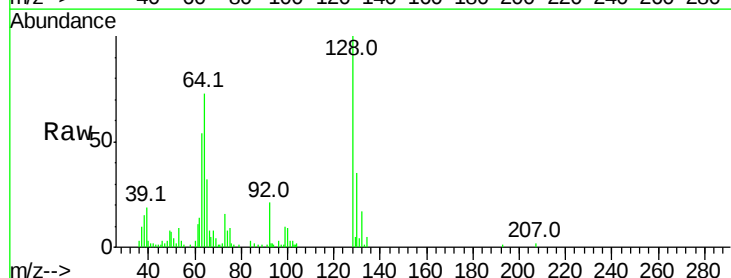
Tgt Ion:128 Resp: 84226

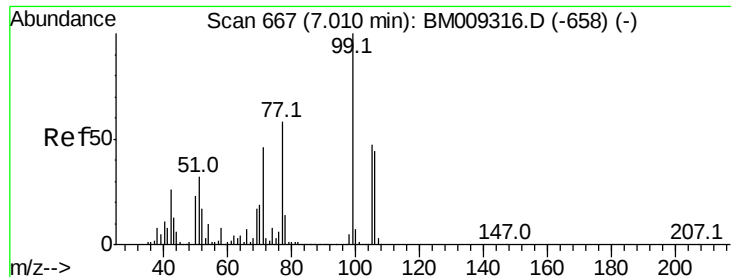
Ion Ratio Lower Upper

128 100

130 34.7 12.0 52.0

64 72.6 24.9 64.9#

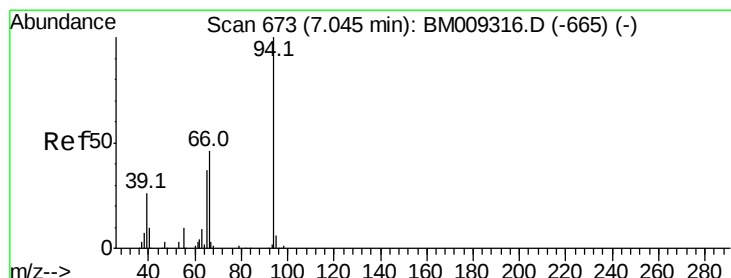
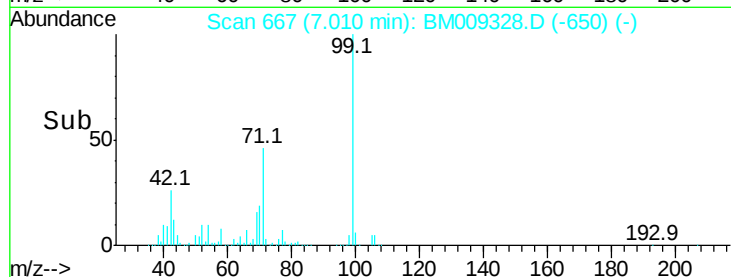
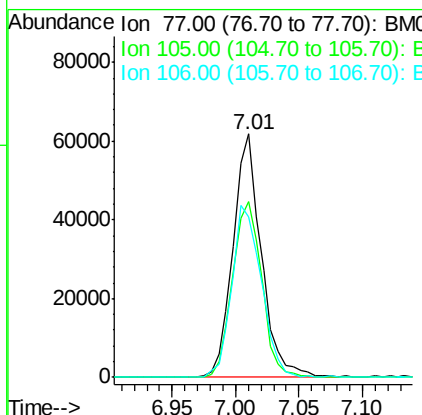
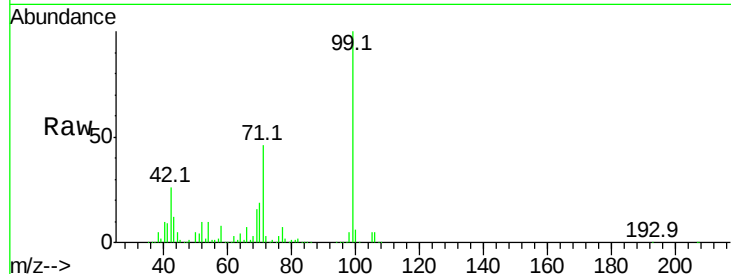




#9
Benzaldehyde
Concen: 8.84 ng
RT: 7.01 min Scan# 667
Delta R.T. 0.00 min
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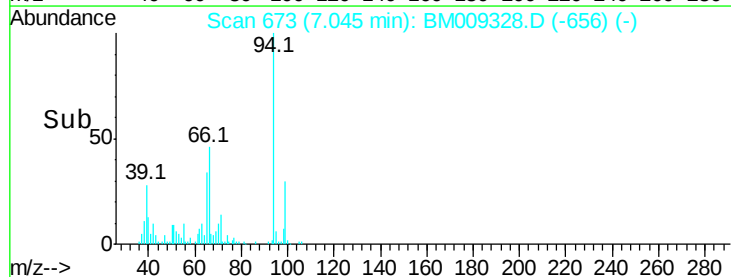
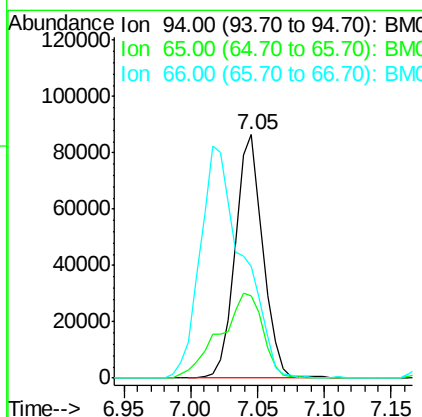
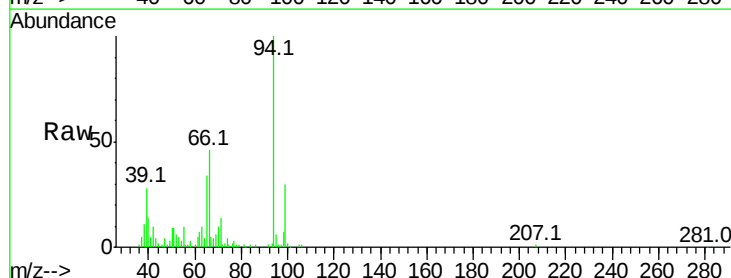
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ClientSampleId :
LOD-SOIL-01-QT2-2017

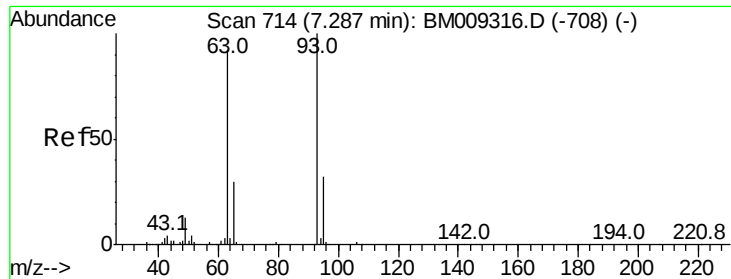
Tot Ion: 77 Resp: 95371
Ion Ratio Lower Upper
77 100
105 72.3 78.8 118.8#
106 65.7 73.7 113.7#



#10
Phenol
Concen: 8.36 ng
RT: 7.05 min Scan# 673
Delta R.T. 0.00 min
Lab File: BM009328.D
Acq: 22 Mar 2017 21:11

Tgt Ion: 94 Resp: 124264
Ion Ratio Lower Upper
94 100
65 33.7 18.8 58.8
66 45.9 39.9 79.9

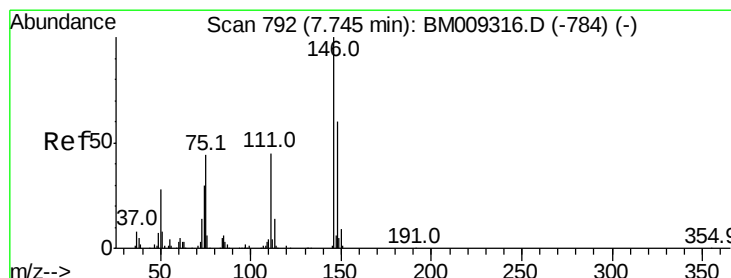
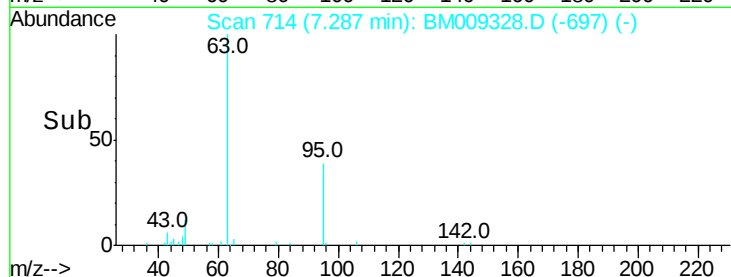
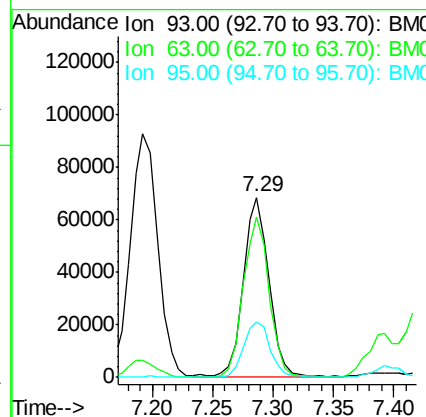
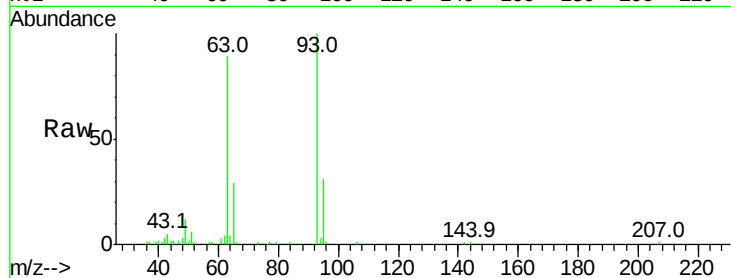




#11
bis(2-Chloroethyl)ether
Concen: 8.44 ng
RT: 7.29 min Scan# 714
Delta R.T. -0.00 min
Lab File: BM009328.D
Acq: 22 Mar 2017 21:11

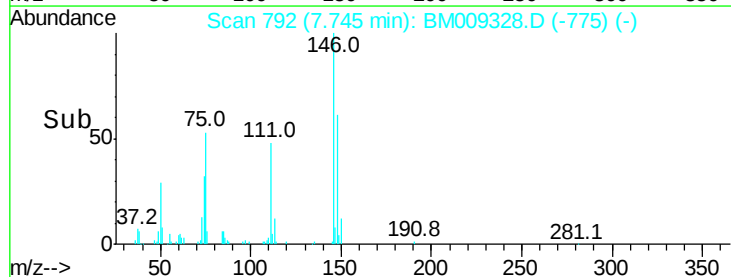
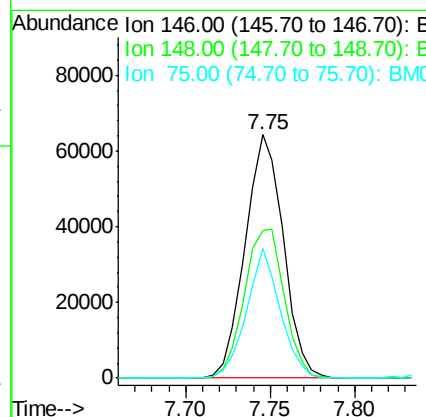
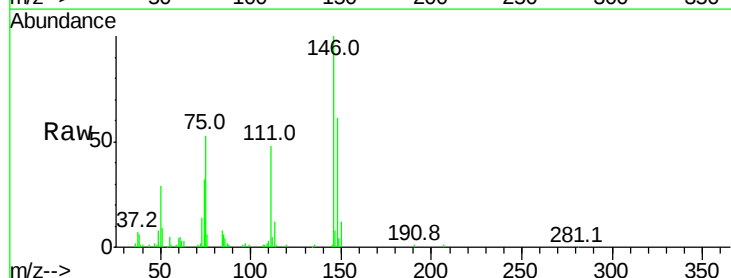
Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT2-2017

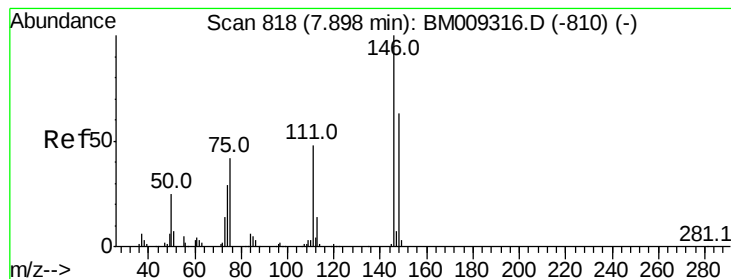
Tot Ion	Ratio	Lower	Upper
93	100		
63	89.0	49.5	89.5
95	30.6	13.5	53.5



#12
1,3-Dichlorobenzene
Concen: 8.29 ng
RT: 7.75 min Scan# 792
Delta R.T. 0.00 min
Lab File: BM009328.D
Acq: 22 Mar 2017 21:11

Tgt Ion	Ratio	Lower	Upper
146	100		
148	60.6	50.9	76.3
75	53.2	21.4	32.2





#13

1,4-Dichlorobenzene

Concen: 8.10 ng

RT: 7.90 min Scan# 818

Delta R.T. 0.00 min

Lab File: BM009328.D

Acq: 22 Mar 2017 21:11

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

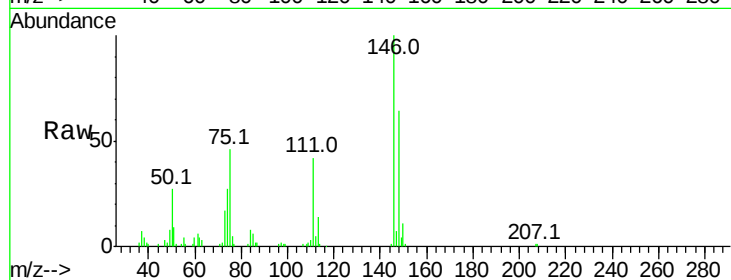
Tot Ion:146 Resp: 102219

Ion Ratio Lower Upper

146 100

148 64.4 51.9 77.9

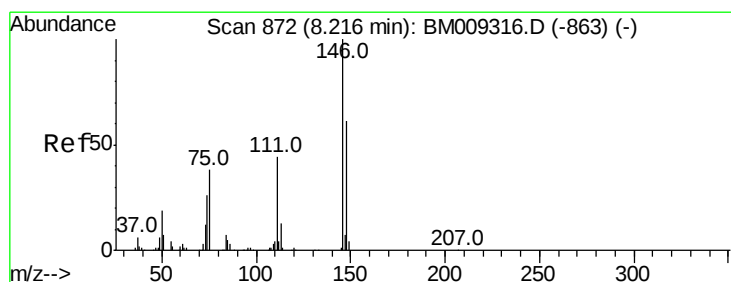
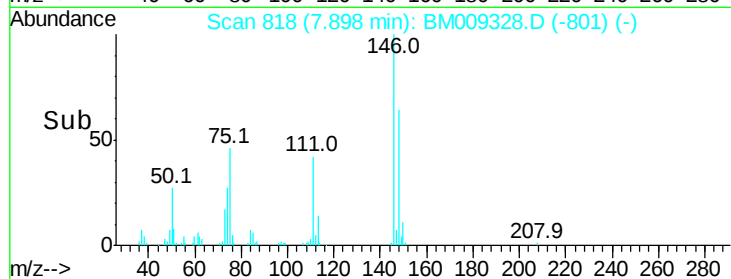
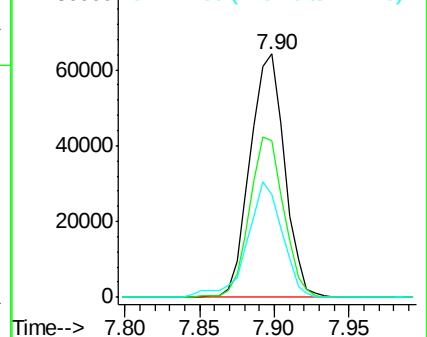
111 42.4 29.2 43.8



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: 8.62 ng

RT: 8.21 min Scan# 871

Delta R.T. -0.01 min

Lab File: BM009328.D

Acq: 22 Mar 2017 21:11

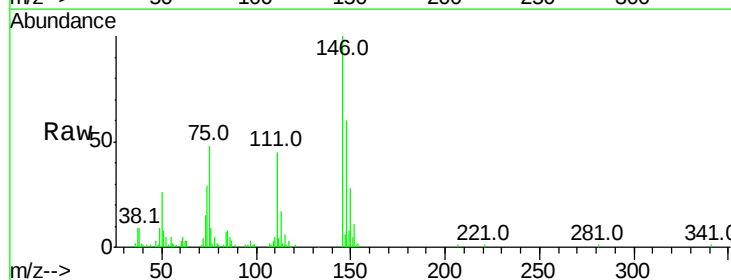
Tgt Ion:146 Resp: 105581

Ion Ratio Lower Upper

146 100

148 60.1 52.3 78.5

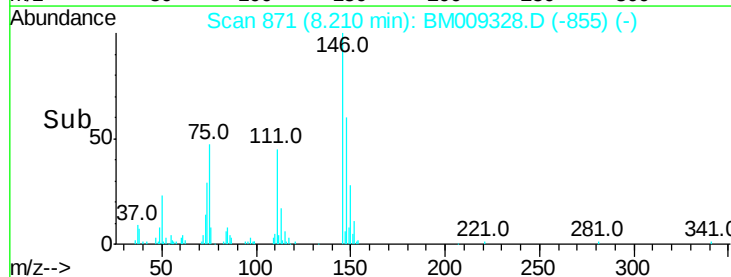
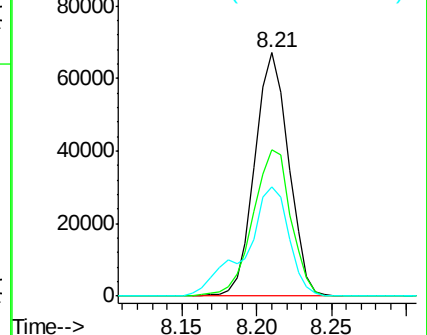
111 45.1 30.6 45.8

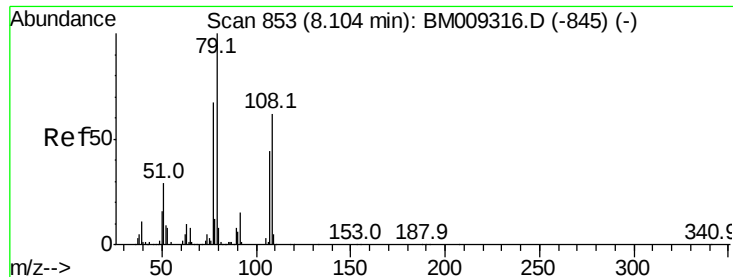


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 7.66 ng

RT: 8.10 min Scan# 853

Delta R.T. 0.00 min

Lab File: BM009328.D

Acq: 22 Mar 2017 21:11

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

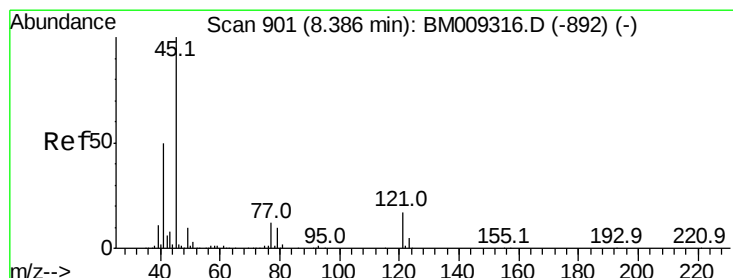
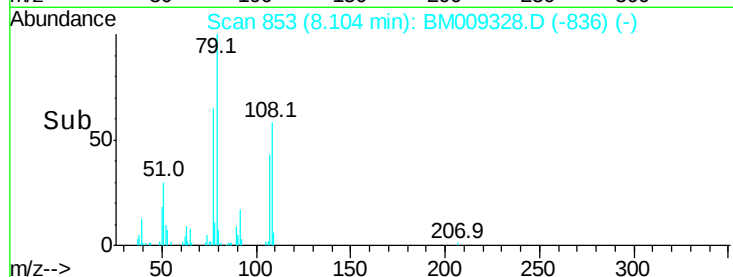
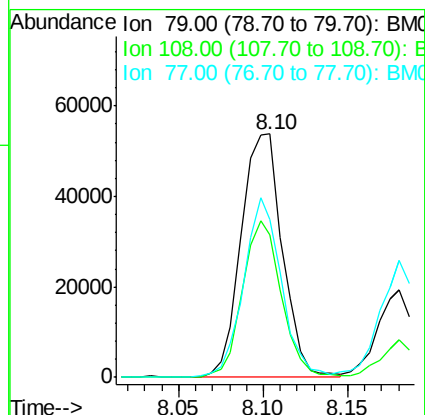
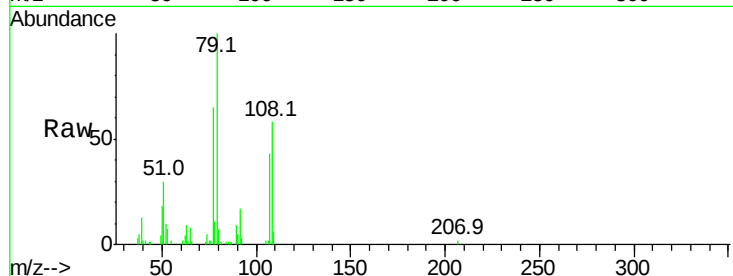
Tot Ion: 79 Resp: 91888

Ion Ratio Lower Upper

79 100

108 58.4 65.0 97.4#

77 64.7 53.0 79.6



#16

2,2'-oxybis(1-chloropropane)

Concen: 8.10 ng

RT: 8.38 min Scan# 900

Delta R.T. -0.01 min

Lab File: BM009328.D

Acq: 22 Mar 2017 21:11

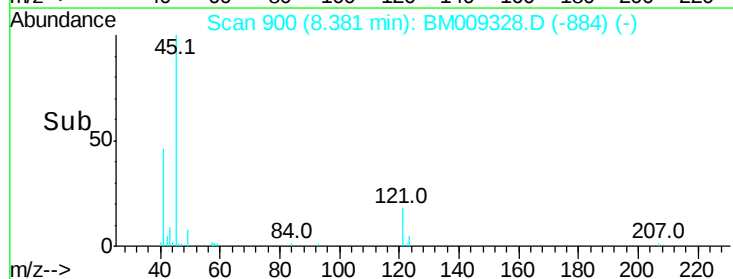
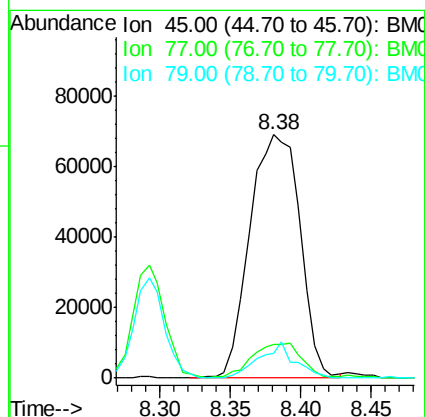
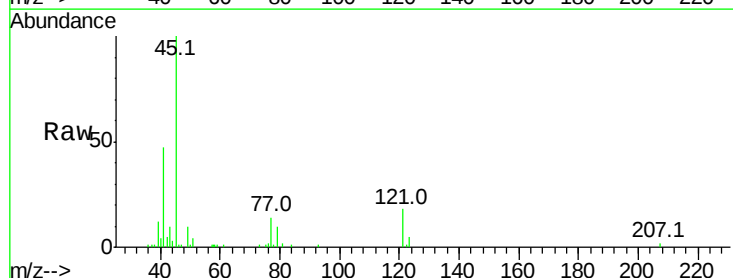
Tgt Ion: 45 Resp: 171419

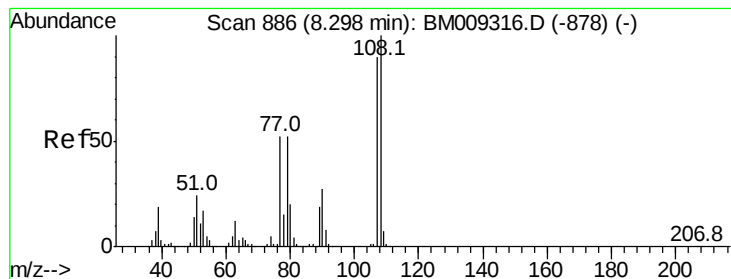
Ion Ratio Lower Upper

45 100

77 13.8 0.0 35.2

79 10.2 0.0 32.0

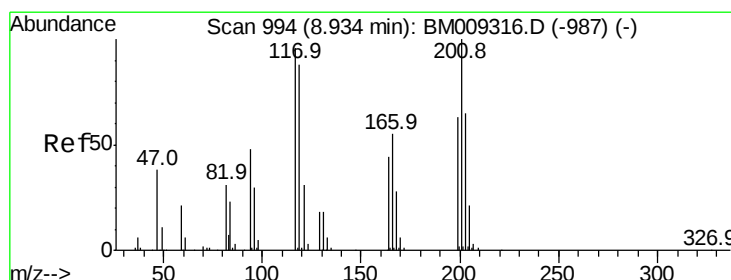
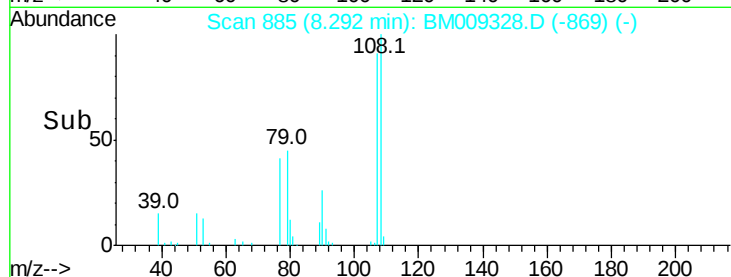
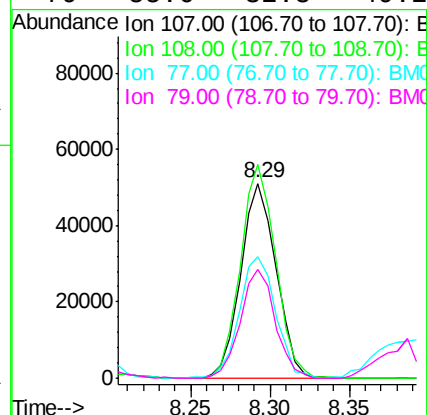
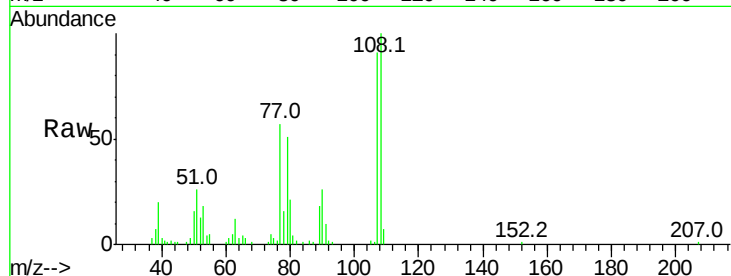




#17
2-Methylphenol
Concen: 8.13 ng
RT: 8.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BM009328.D
Acq: 22 Mar 2017 21:11

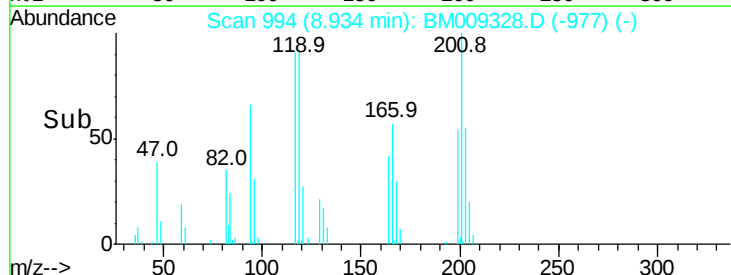
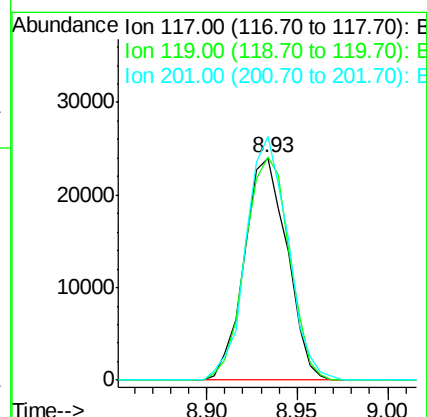
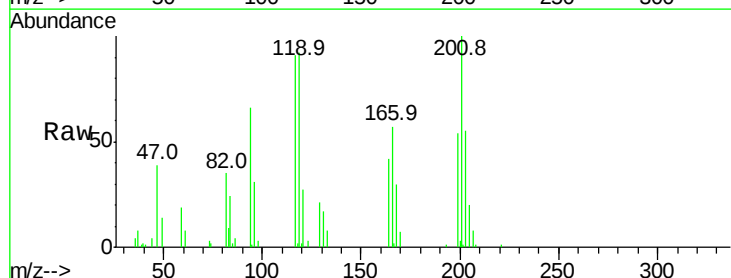
Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT2-2017

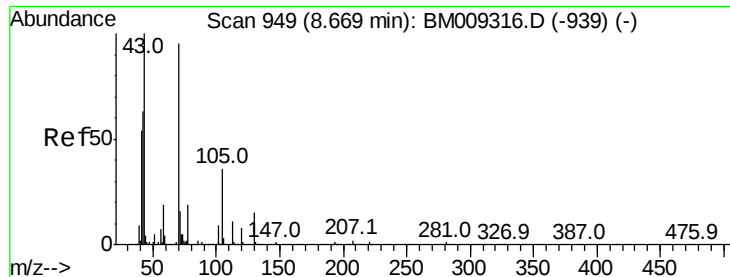
Tot Ion	Ratio	Lower	Upper
107	100		
108	109.5	89.8	134.8
77	62.4	32.6	48.8#
79	55.6	32.8	49.2#



#18
Hexachloroethane
Concen: 7.63 ng
RT: 8.93 min Scan# 994
Delta R.T. -0.00 min
Lab File: BM009328.D
Acq: 22 Mar 2017 21:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.5	79.2	118.8
201	111.3	69.8	104.6#

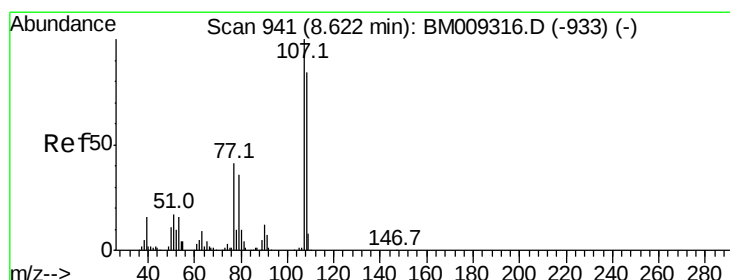
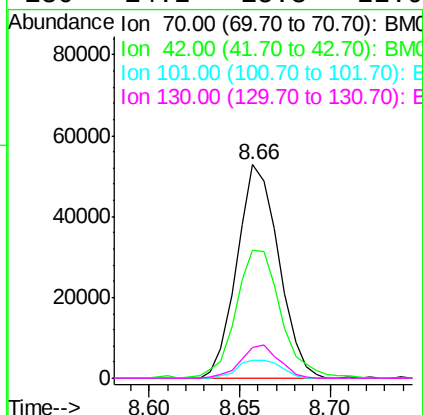
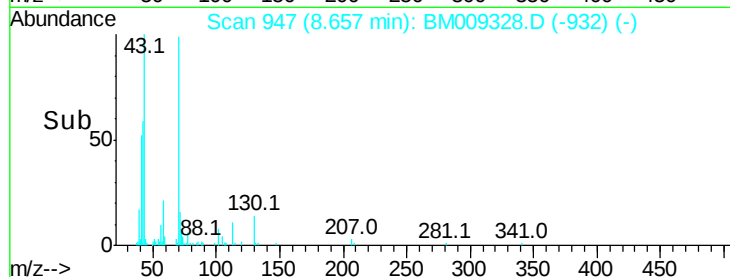
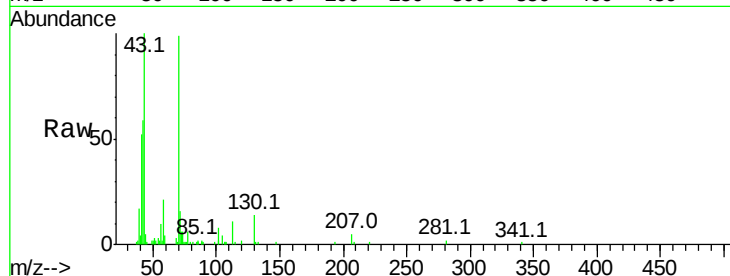




#19
n-Nitroso-di-n-propylamine
Concen: 7.65 ng
RT: 8.66 min Scan# 947
Delta R.T. -0.01 min
Lab File: BM009328.D
Acq: 22 Mar 2017 21:11

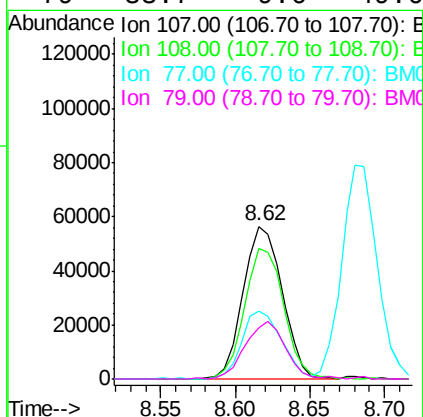
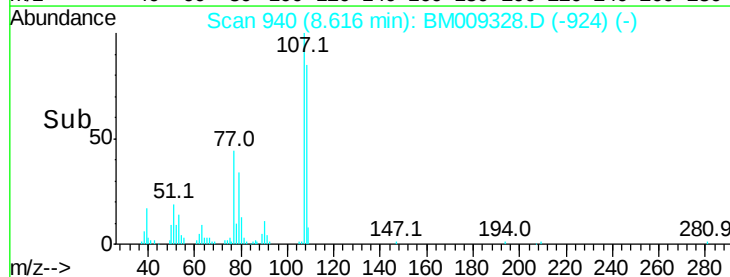
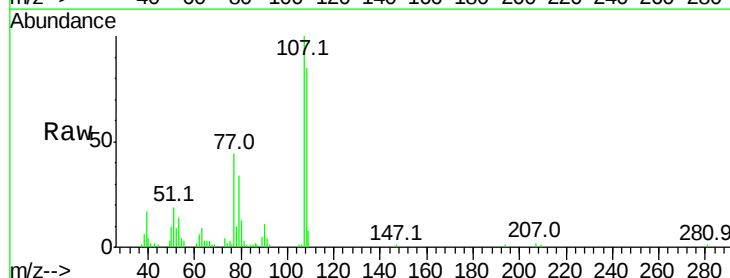
Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT2-2017

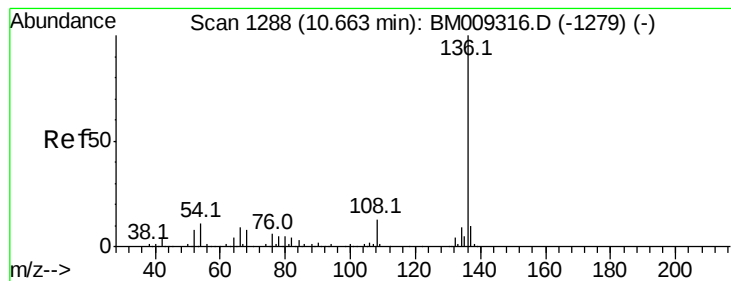
Tot Ion: 70 Resp: 84556
Ion Ratio Lower Upper
70 100
42 59.9 44.5 66.7
101 8.5 7.4 11.2
130 14.2 15.3 22.9#



#20
3+4-Methylphenols
Concen: 7.75 ng
RT: 8.62 min Scan# 940
Delta R.T. -0.01 min
Lab File: BM009328.D
Acq: 22 Mar 2017 21:11

Tgt Ion: 107 Resp: 102452
Ion Ratio Lower Upper
107 100
108 85.3 73.2 113.2
77 44.4 10.7 50.7
79 33.7 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: BM009328.D

Acq: 22 Mar 2017 21:11

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

Tot Ion:136 Resp: 642565

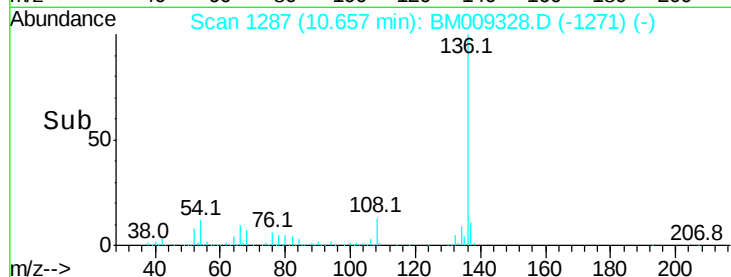
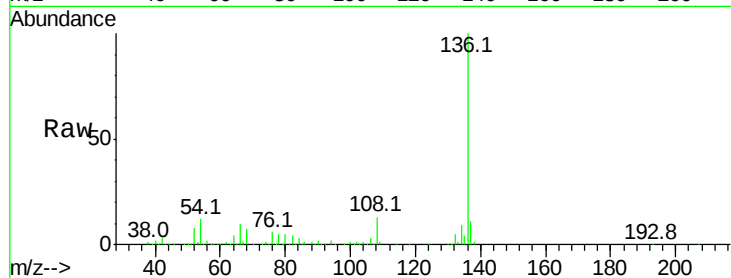
Ion Ratio Lower Upper

136 100

137 11.2 8.7 13.1

54 12.4 4.6 6.8#

68 7.1 3.7 5.5#

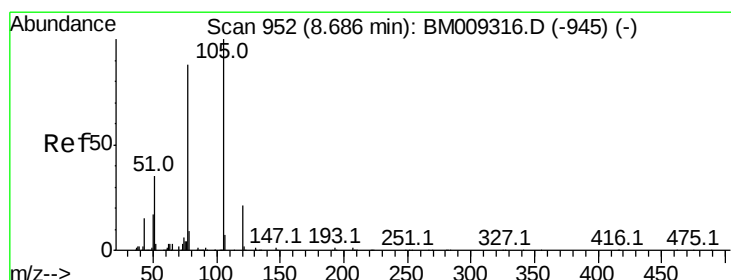
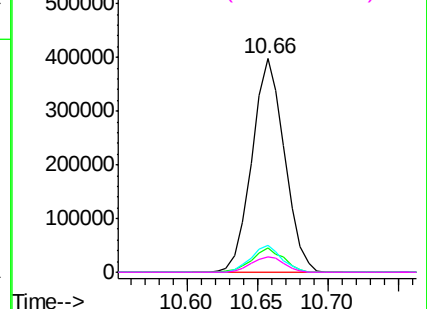


Abundance Ion 136.00 (135.70 to 136.70): E

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: 7.85 ng

RT: 8.68 min Scan# 951

Delta R.T. -0.01 min

Lab File: BM009328.D

Acq: 22 Mar 2017 21:11

Tgt Ion:105 Resp: 142282

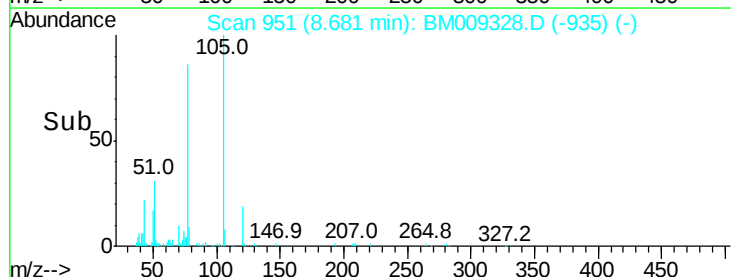
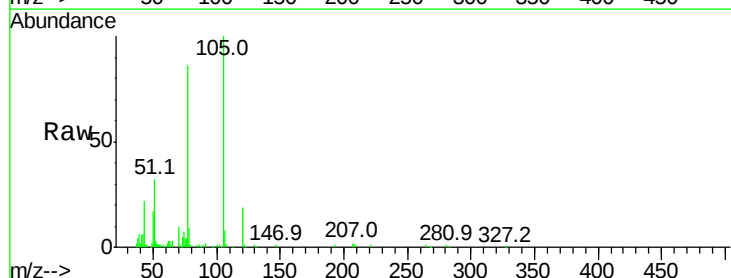
Ion Ratio Lower Upper

105 100

71 1.2 0.6 1.0#

51 32.4 21.6 32.4#

120 18.9 16.1 24.1

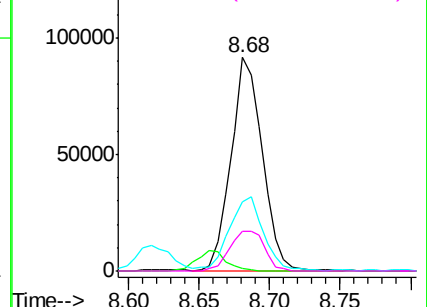


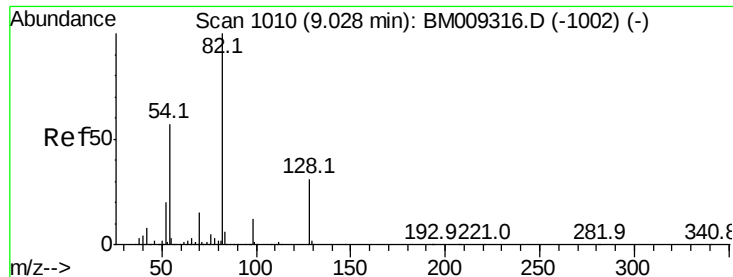
Abundance Ion 105.00 (104.70 to 105.70): E

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: 87.70 ng

RT: 9.03 min Scan# 1010

Delta R.T. 0.00 min

Lab File: BM009328.D

Acq: 22 Mar 2017 21:11

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

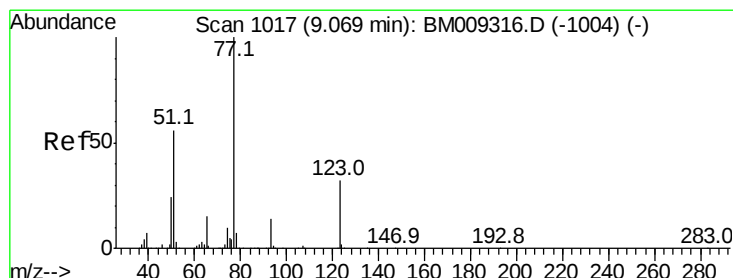
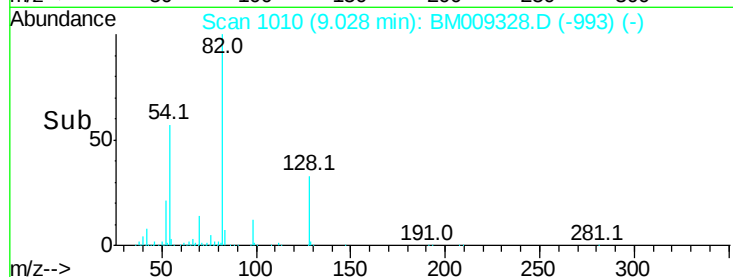
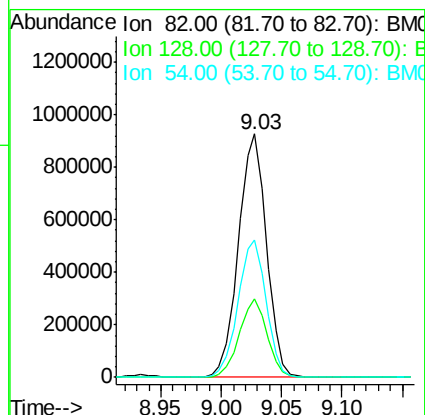
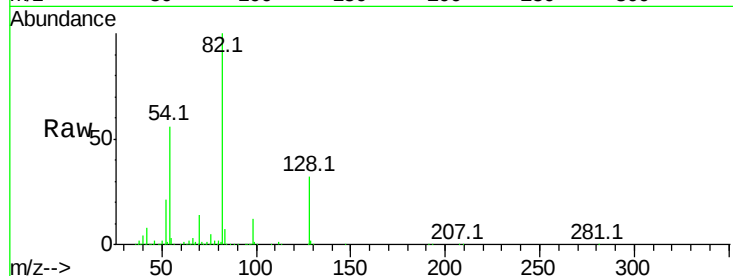
Tot Ion: 82 Resp: 1502974

Ion Ratio Lower Upper

82 100

128 32.2 32.8 49.2#

54 56.2 40.6 60.8



#24

Nitrobenzene

Concen: 8.40 ng

RT: 9.07 min Scan# 1017

Delta R.T. 0.00 min

Lab File: BM009328.D

Acq: 22 Mar 2017 21:11

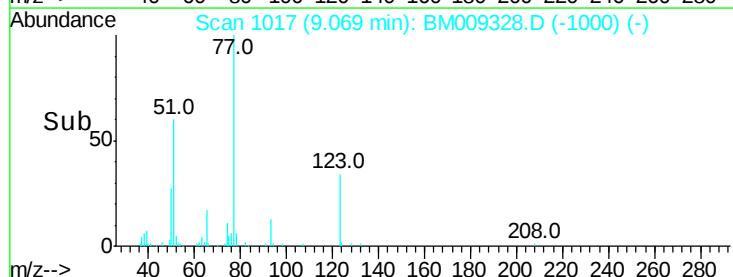
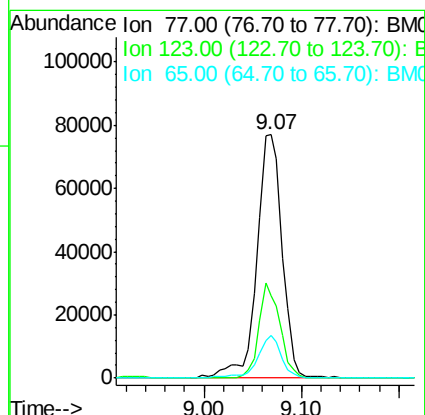
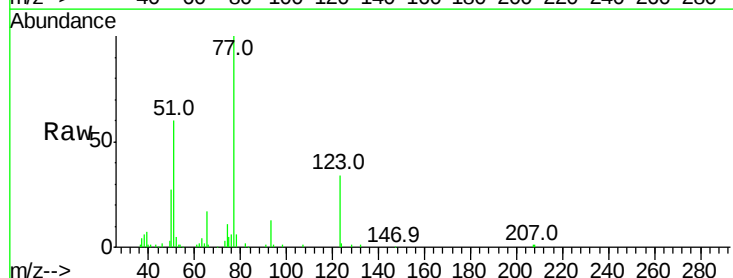
Tgt Ion: 77 Resp: 141018

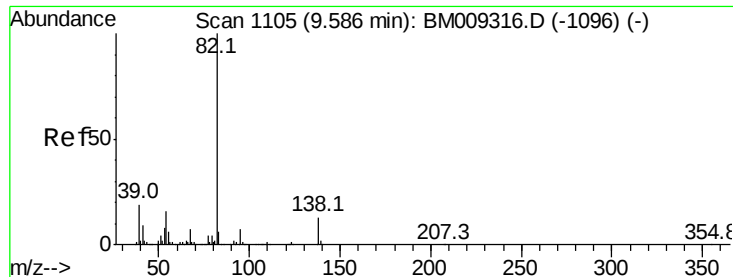
Ion Ratio Lower Upper

77 100

123 33.6 32.6 49.0

65 17.4 10.9 16.3#

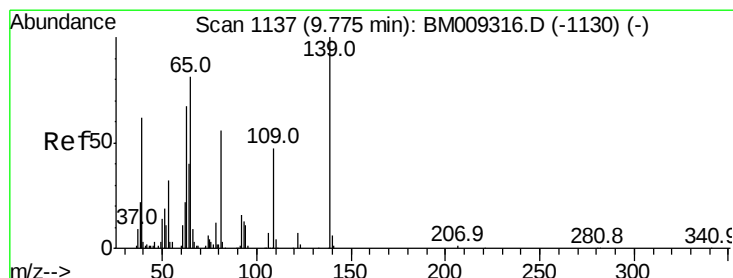
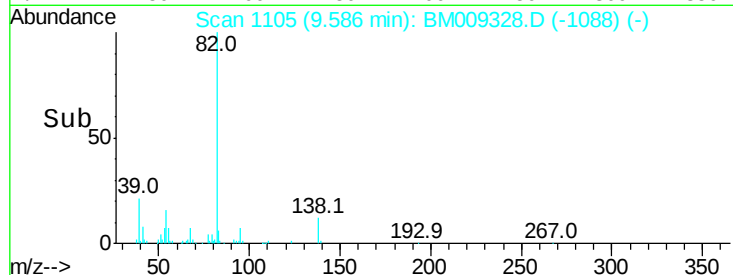
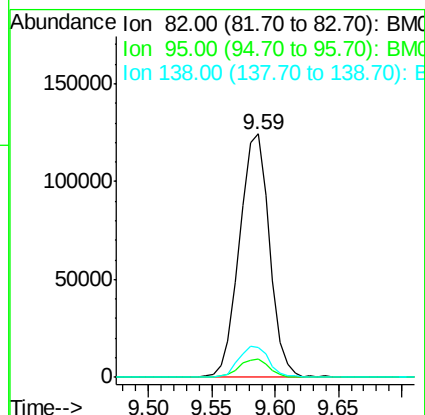
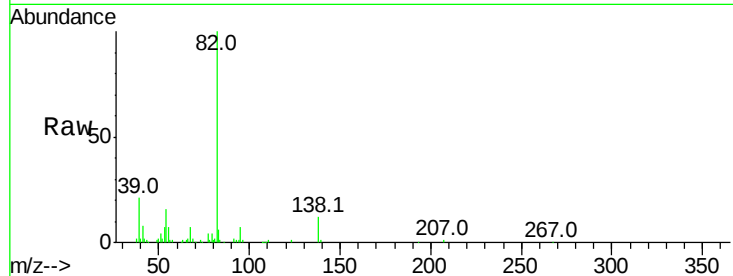




#25
Isophorone
Concen: 7.81 ng
RT: 9.59 min Scan# 1105
Delta R.T. -0.00 min
Lab File: BM009328.D
Acq: 22 Mar 2017 21:11

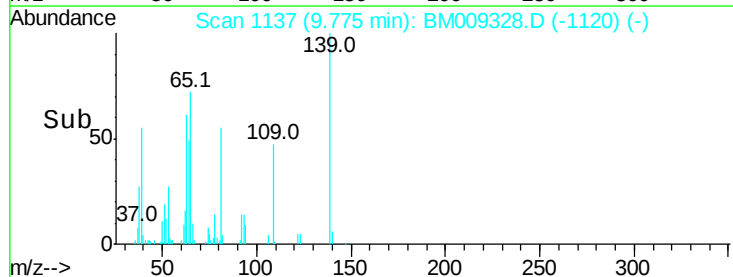
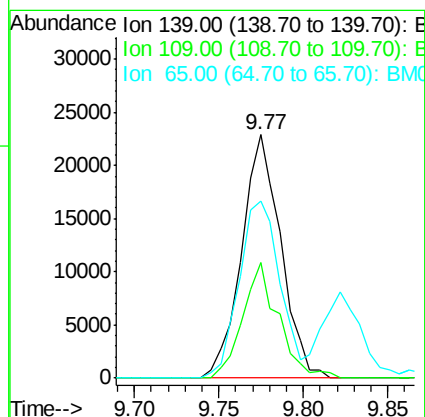
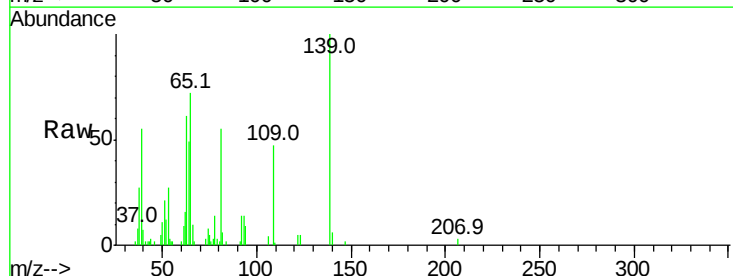
Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT2-2017

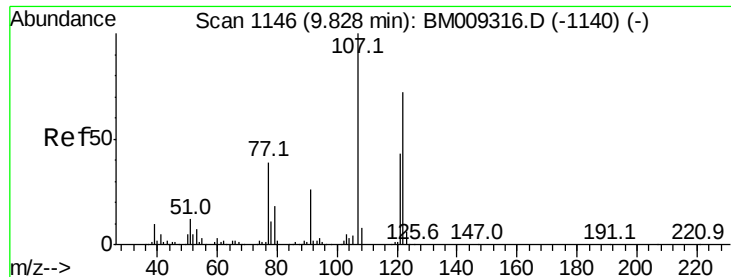
Tot Ion: 82 Resp: 204075
Ion Ratio Lower Upper
82 100
95 7.4 5.8 8.6
138 12.3 16.3 24.5#



#26
2-Nitrophenol
Concen: 7.30 ng
RT: 9.77 min Scan# 1137
Delta R.T. 0.00 min
Lab File: BM009328.D
Acq: 22 Mar 2017 21:11

Tgt Ion:139 Resp: 36954
Ion Ratio Lower Upper
139 100
109 47.5 20.1 30.1#
65 72.5 31.5 47.3#

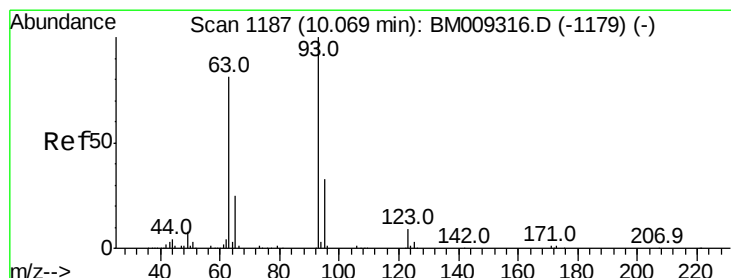
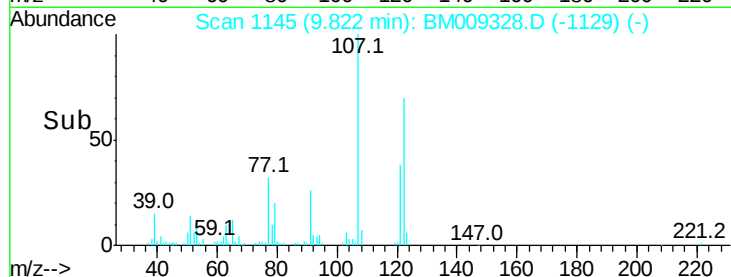
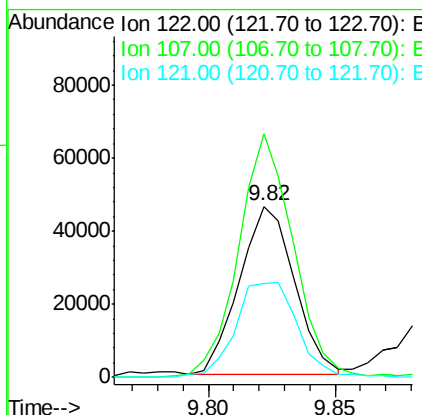
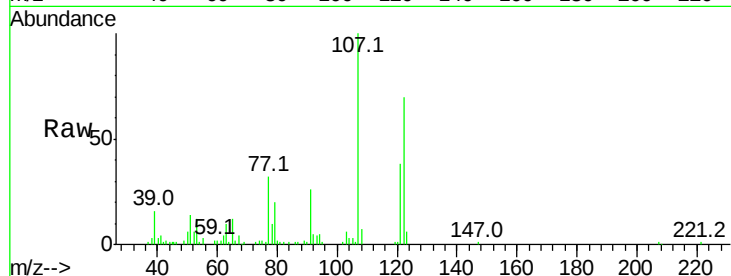




#27
2,4-Dimethylphenol
Concen: 7.51 ng
RT: 9.82 min Scan# 1145
Delta R.T. -0.01 min
Lab File: BM009328.D
Acq: 22 Mar 2017 21:11

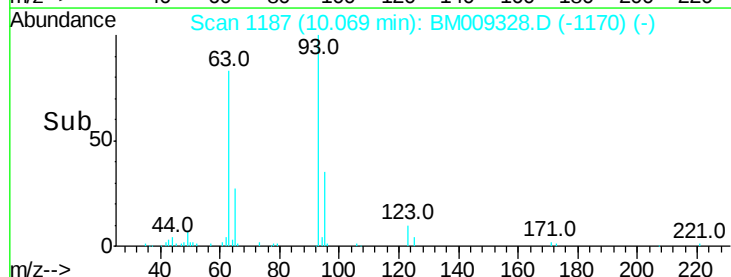
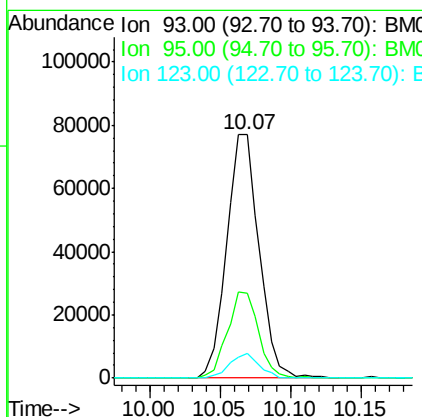
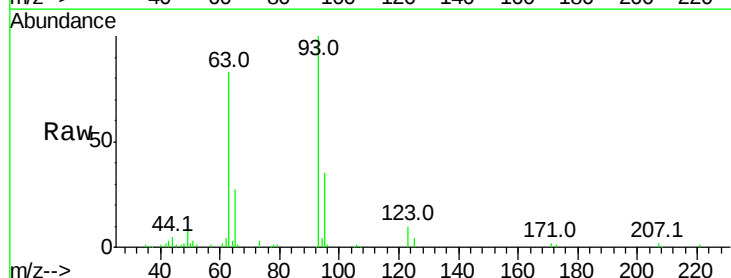
Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT2-2017

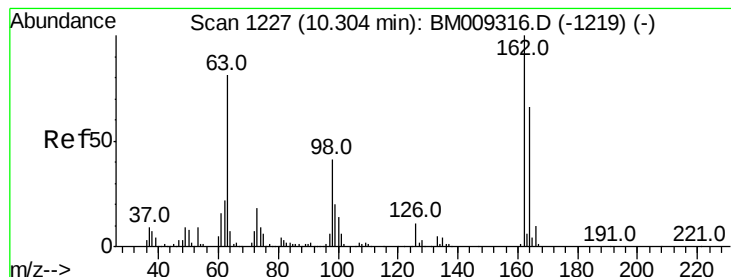
Tot Ion:122 Resp: 69533
Ion Ratio Lower Upper
122 100
107 142.5 84.7 127.1#
121 54.7 46.6 69.8



#28
bis(2-Chloroethoxy)methane
Concen: 7.58 ng
RT: 10.07 min Scan# 1187
Delta R.T. 0.00 min
Lab File: BM009328.D
Acq: 22 Mar 2017 21:11

Tgt Ion: 93 Resp: 122741
Ion Ratio Lower Upper
93 100
95 35.1 25.5 38.3
123 9.9 8.6 13.0





#29

2,4-Dichlorophenol

Concen: 7.57 ng

RT: 10.30 min Scan# 1226

Delta R.T. -0.01 min

Lab File: BM009328.D

Acq: 22 Mar 2017 21:11

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

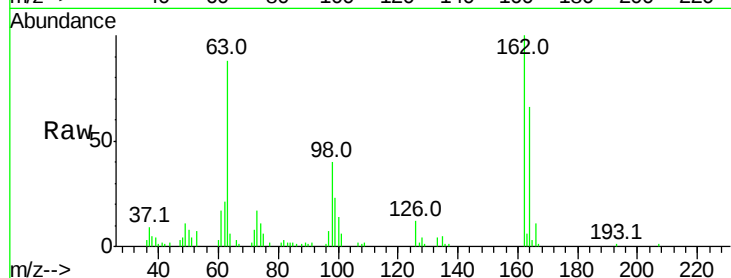
Tot Ion:162 Resp: 73350

Ion Ratio Lower Upper

162 100

164 66.2 42.8 82.8

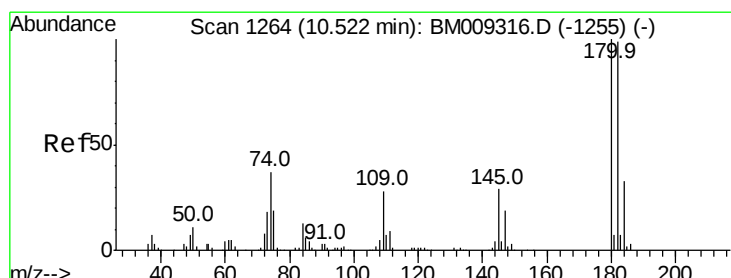
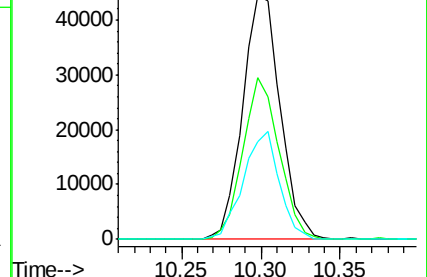
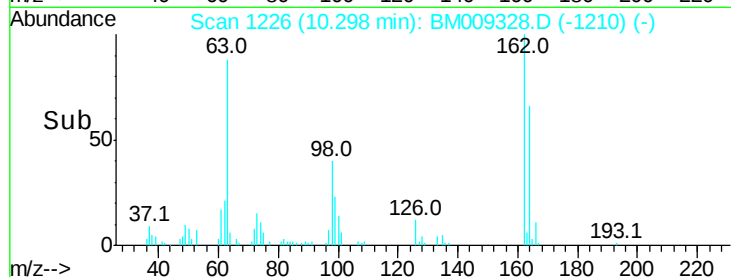
98 40.1 14.5 54.5



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: 7.83 ng

RT: 10.52 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BM009328.D

Acq: 22 Mar 2017 21:11

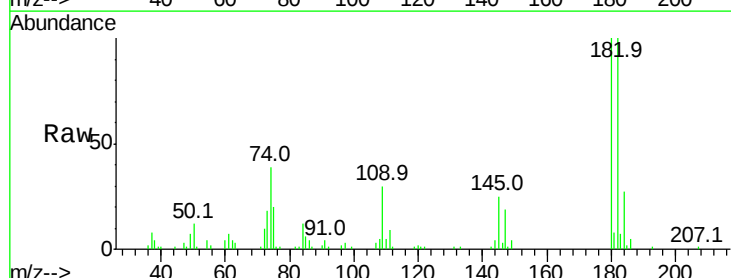
Tgt Ion:180 Resp: 94104

Ion Ratio Lower Upper

180 100

182 99.9 77.6 116.4

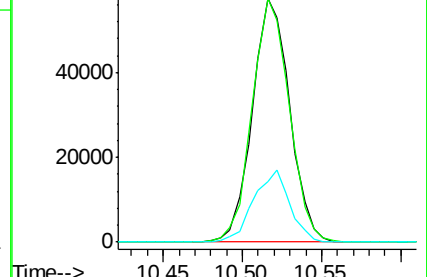
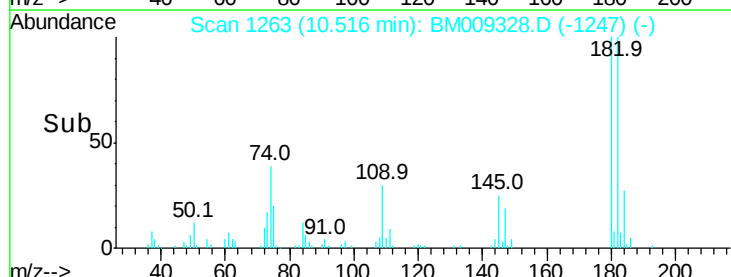
145 24.8 23.4 35.2

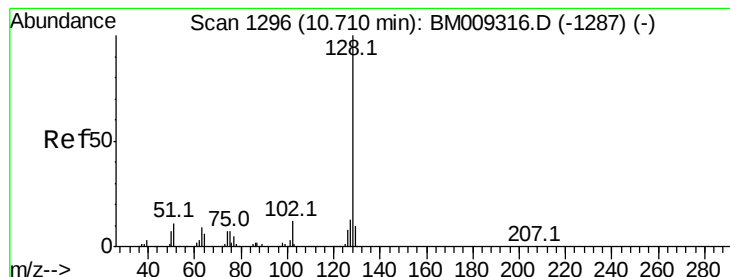


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 7.78 ng

RT: 10.71 min Scan# 1296

Delta R.T. 0.00 min

Lab File: BM009328.D

Acq: 22 Mar 2017 21:11

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

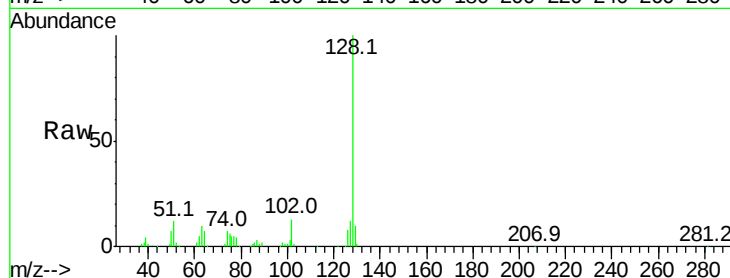
Tot Ion:128 Resp: 265442

Ion Ratio Lower Upper

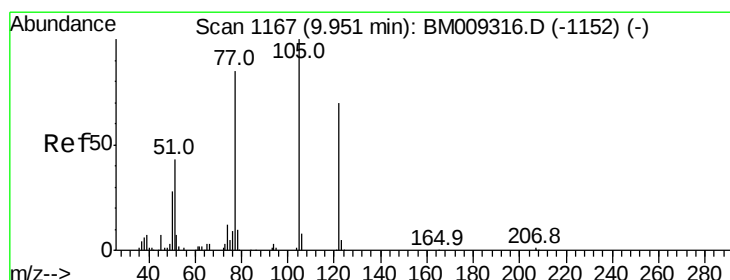
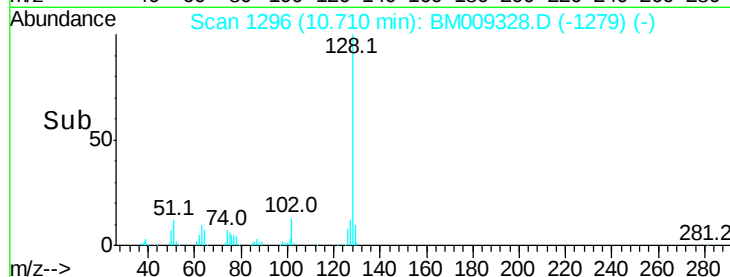
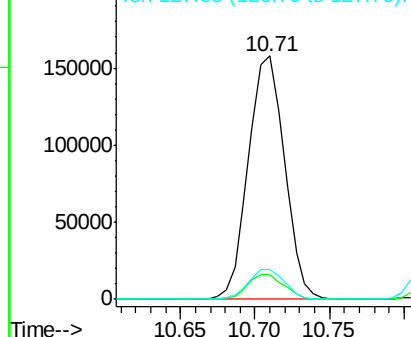
128 100

129 10.3 8.9 13.3

127 12.2 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: 4.75 ng

RT: 9.89 min Scan# 1156

Delta R.T. -0.06 min

Lab File: BM009328.D

Acq: 22 Mar 2017 21:11

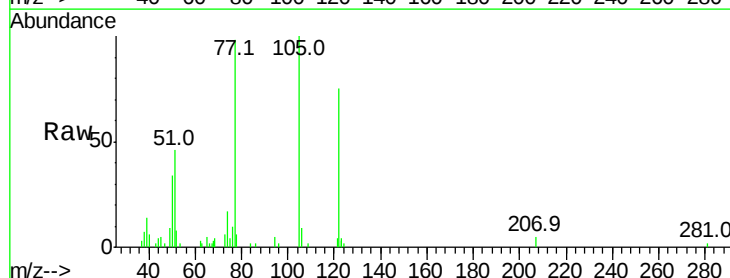
Tgt Ion:122 Resp: 29907

Ion Ratio Lower Upper

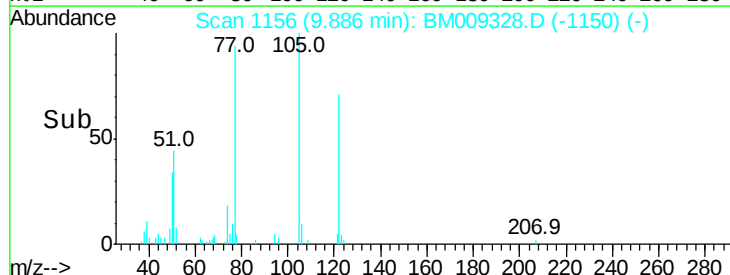
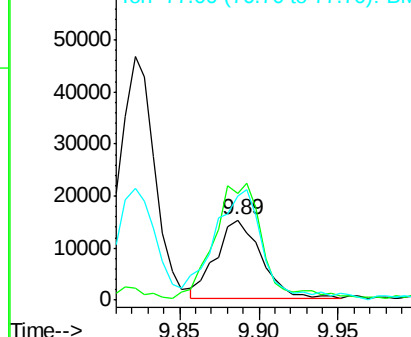
122 100

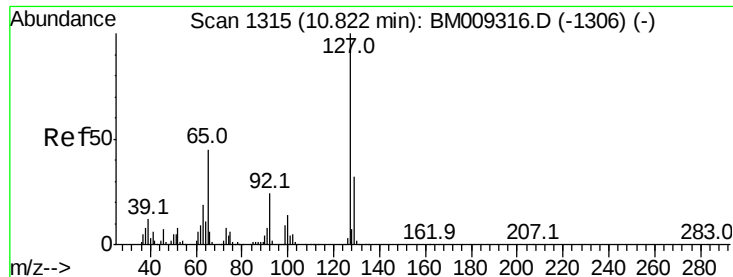
105 132.9 99.9 139.9

77 130.2 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): E

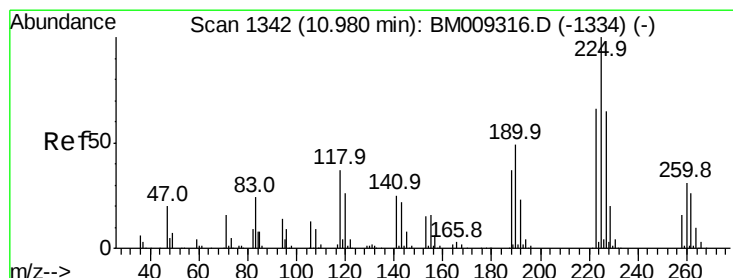
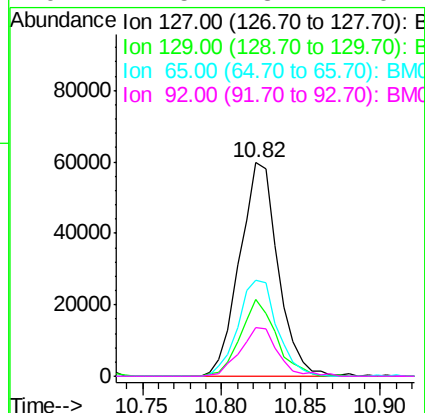
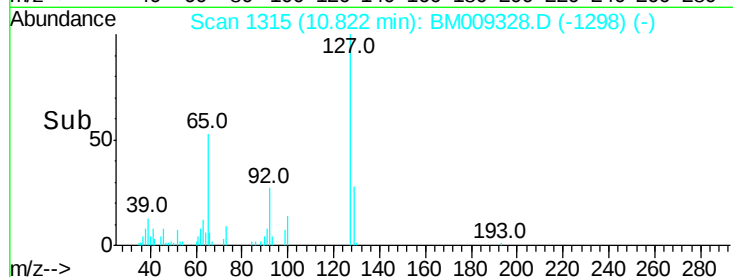
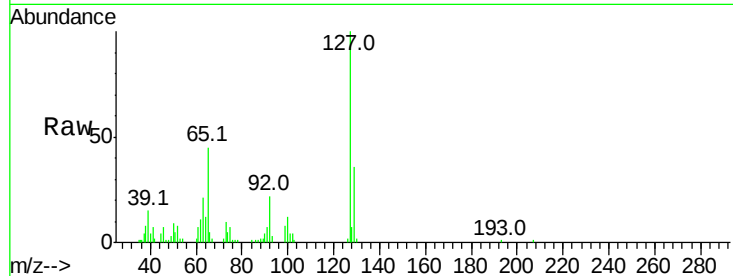




#33
4-Chloroaniline
Concen: 7.62 ng
RT: 10.82 min Scan# 1315
Delta R.T. 0.00 min
Lab File: BM009328.D
Acq: 22 Mar 2017 21:11

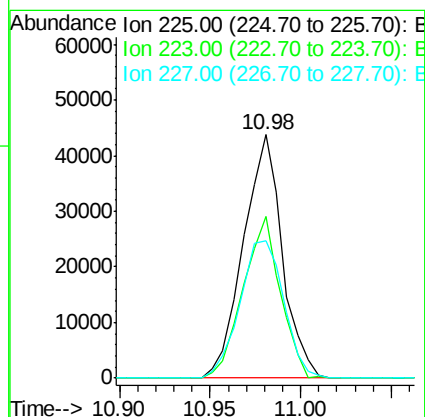
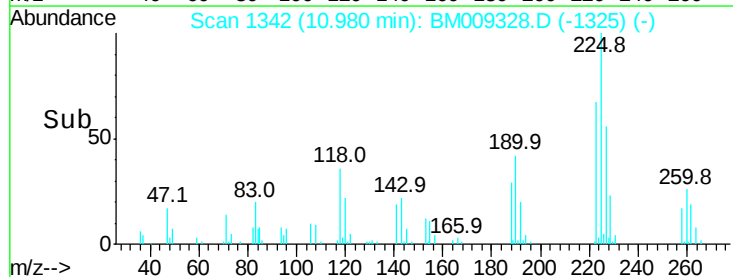
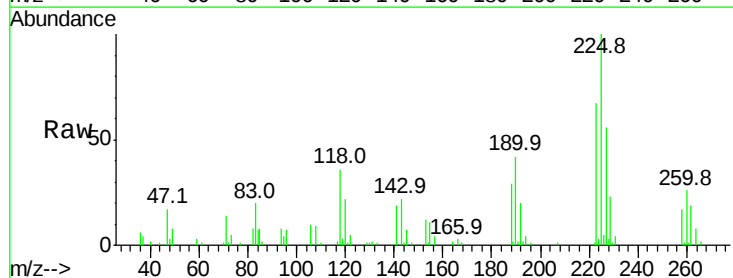
Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT2-2017

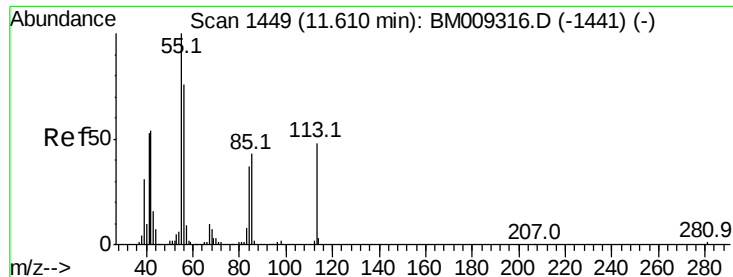
Tot Ion	Ratio	Lower	Upper
127	100		
129	36.2	25.3	37.9
65	44.8	17.6	26.4
92	22.5	13.1	19.7



#34
Hexachlorobutadiene
Concen: 7.94 ng
RT: 10.98 min Scan# 1342
Delta R.T. 0.00 min
Lab File: BM009328.D
Acq: 22 Mar 2017 21:11

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.6	47.9	71.9
227	56.5	50.1	75.1





#35

Caprolactam

Concen: 6.88 ng

RT: 11.59 min Scan# 1446

Delta R.T. -0.02 min

Lab File: BM009328.D

Acq: 22 Mar 2017 21:11

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

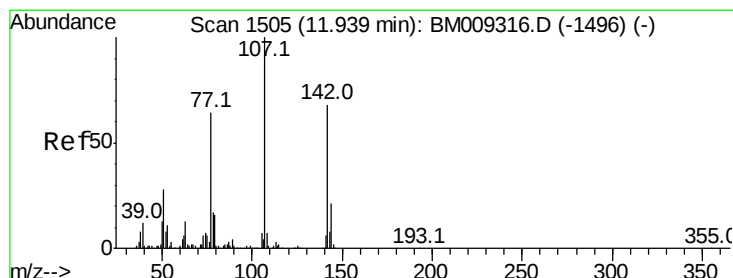
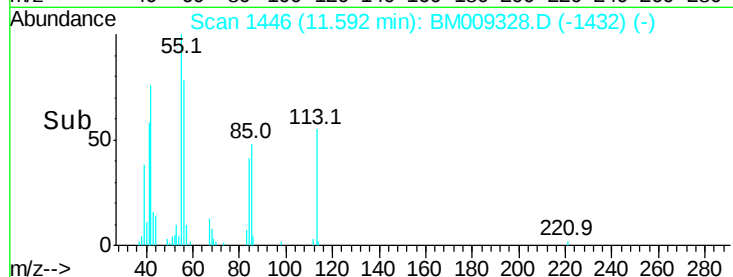
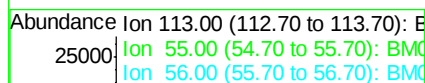
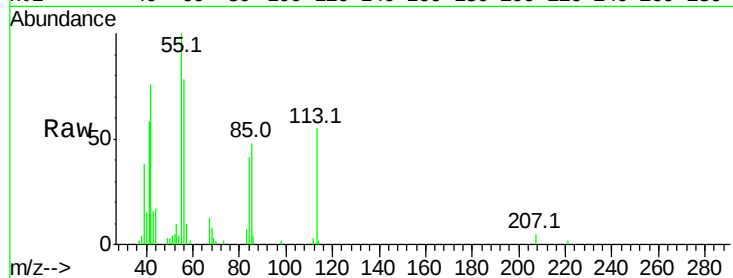
Tot Ion:113 Resp: 20338

Ion Ratio Lower Upper

113 100

55 181.2 145.9 185.9

56 141.3 101.0 141.0#



#36

4-Chloro-3-methylphenol

Concen: 7.46 ng

RT: 11.93 min Scan# 1504

Delta R.T. -0.01 min

Lab File: BM009328.D

Acq: 22 Mar 2017 21:11

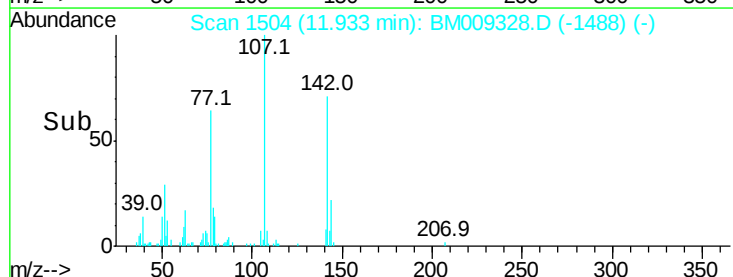
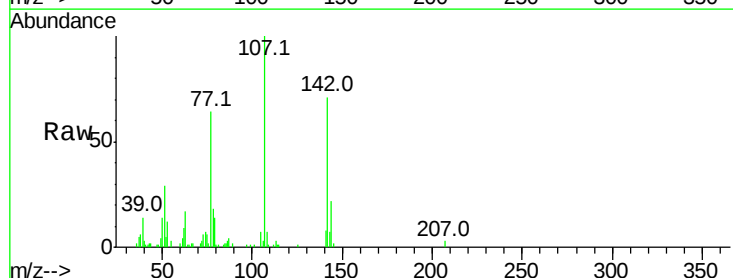
Tgt Ion:107 Resp: 81710

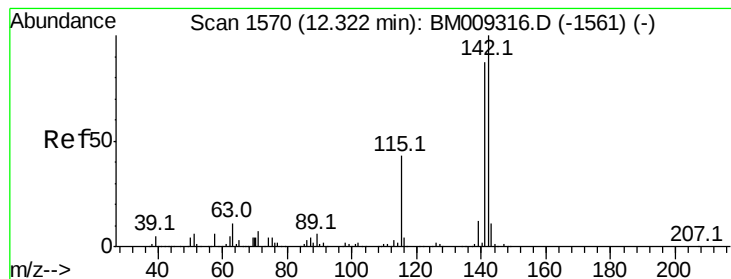
Ion Ratio Lower Upper

107 100

144 22.3 23.3 34.9#

142 71.0 72.6 109.0#





#37

2-Methylnaphthalene

Concen: 7.80 ng

RT: 12.32 min Scan# 1569

Delta R.T. -0.01 min

Lab File: BM009328.D

Acq: 22 Mar 2017 21:11

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

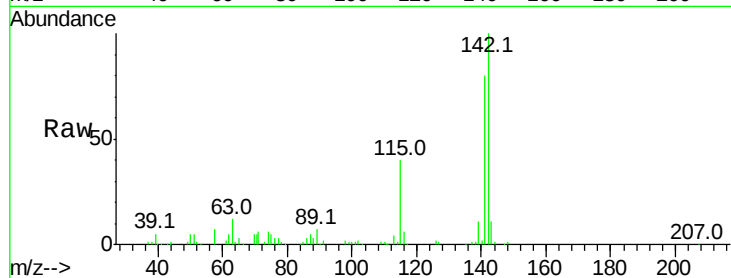
Tot Ion:142 Resp: 183704

Ion Ratio Lower Upper

142 100

141 80.2 71.9 107.9

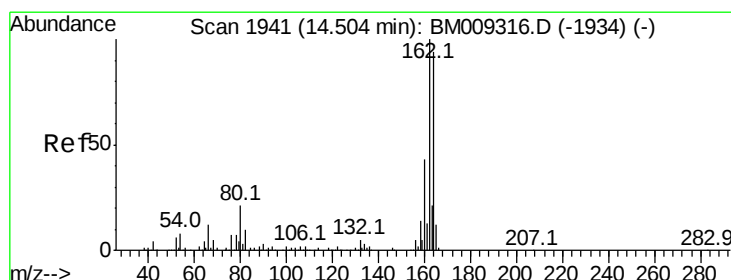
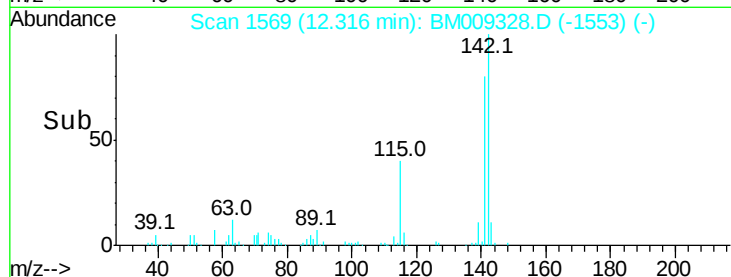
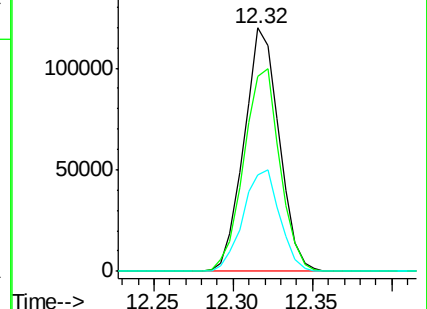
115 39.6 25.4 38.0#



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: BM009328.D

Acq: 22 Mar 2017 21:11

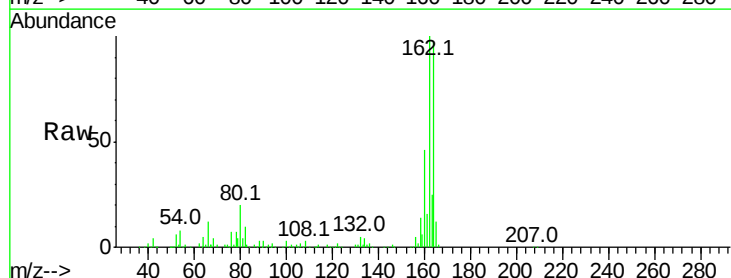
Tgt Ion:164 Resp: 368637

Ion Ratio Lower Upper

164 100

162 103.1 82.4 123.6

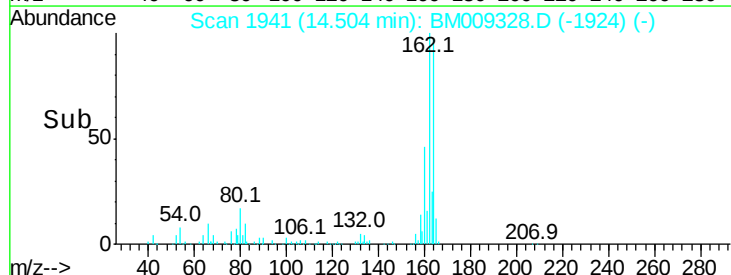
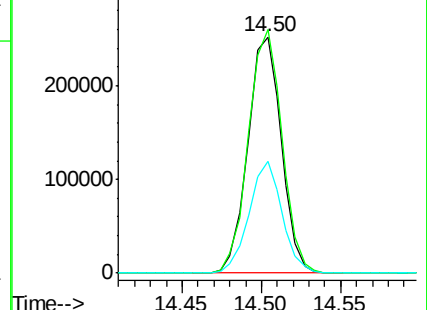
160 47.3 35.8 53.6

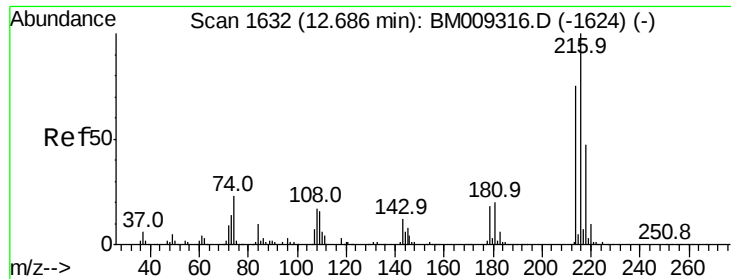


Abundance Ion 164.00 (163.70 to 164.70): E

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: 8.08 ng

RT: 12.69 min Scan# 1632

Delta R.T. 0.00 min

Lab File: BM009328.D

Acq: 22 Mar 2017 21:11

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

Tot Ion:216 Resp: 112442

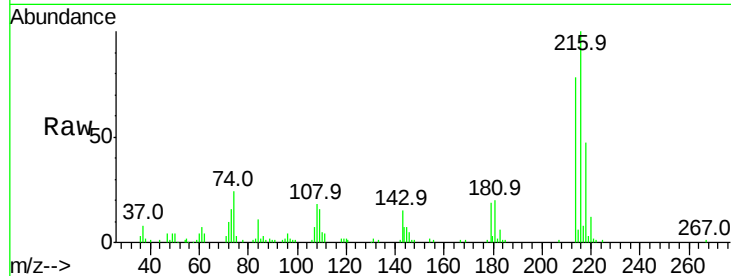
Ion Ratio Lower Upper

216 100

214 75.8 0.0 0.0#

179 19.2 0.0 0.0#

108 19.6 0.0 0.0#

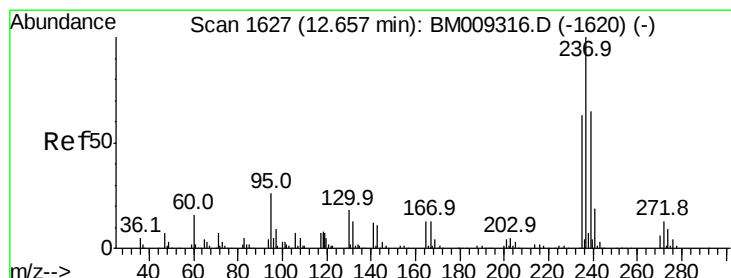
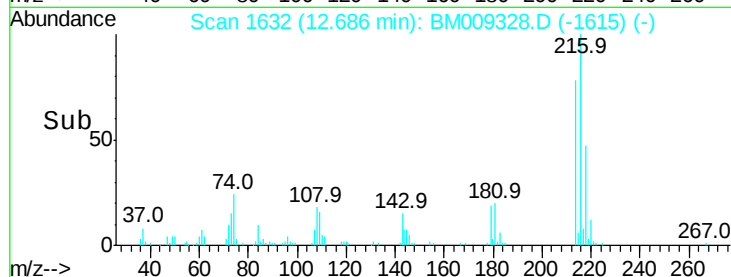
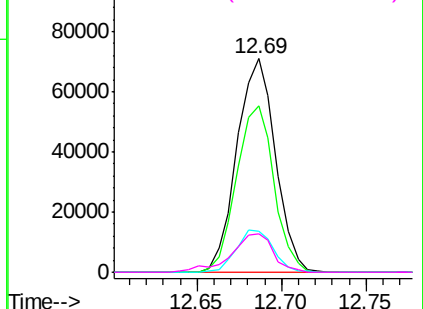


Abundance Ion 216.00 (215.70 to 216.70): E

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: 7.01 ng

RT: 12.66 min Scan# 1627

Delta R.T. 0.00 min

Lab File: BM009328.D

Acq: 22 Mar 2017 21:11

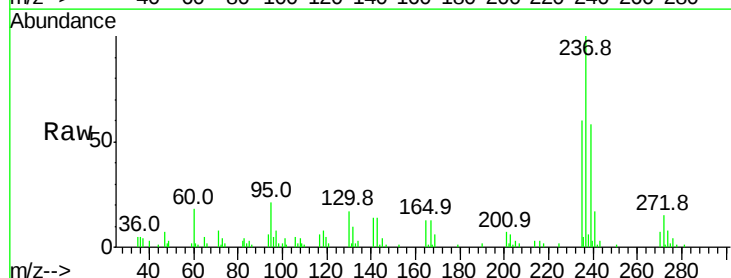
Tgt Ion:237 Resp: 56023

Ion Ratio Lower Upper

237 100

235 59.9 42.0 82.0

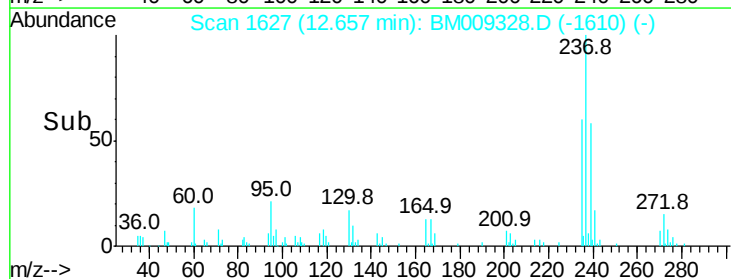
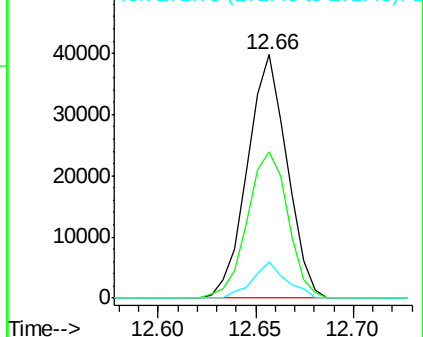
272 14.7 0.0 33.4

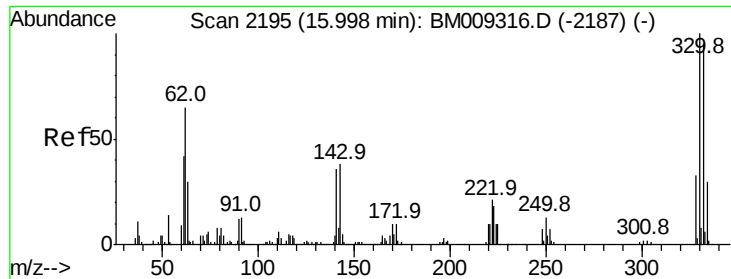


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E





#41

2,4,6-Tribromophenol

Concen: 145.94 ng

RT: 16.00 min Scan# 2195

Delta R.T. 0.00 min

Lab File: BM009328.D

Acq: 22 Mar 2017 21:11

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

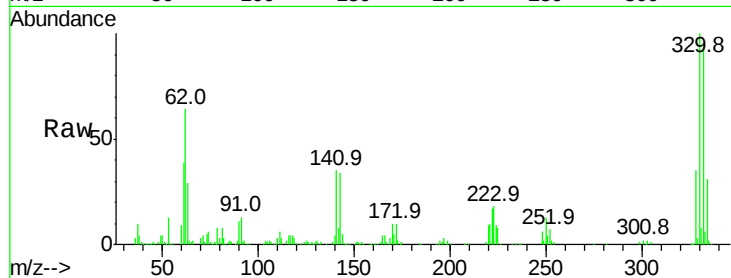
Tot Ion:330 Resp: 668320

Ion Ratio Lower Upper

330 100

332 96.7 0.0 0.0#

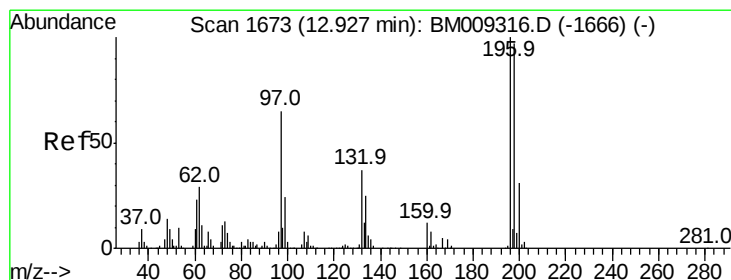
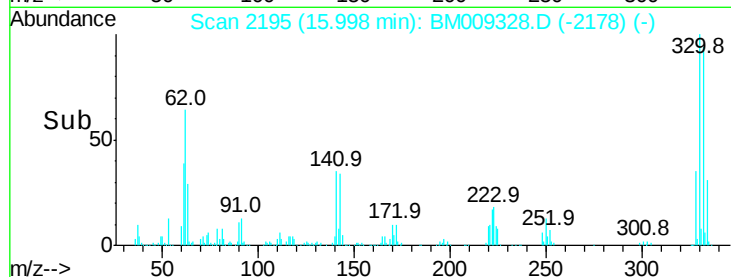
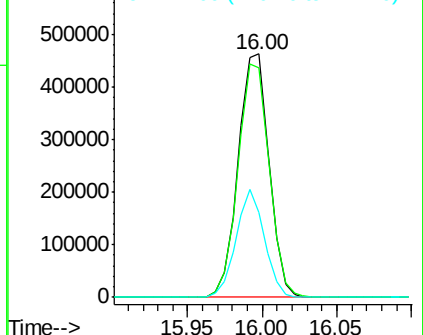
141 40.9 0.0 0.0#



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: 7.09 ng

RT: 12.93 min Scan# 1673

Delta R.T. 0.00 min

Lab File: BM009328.D

Acq: 22 Mar 2017 21:11

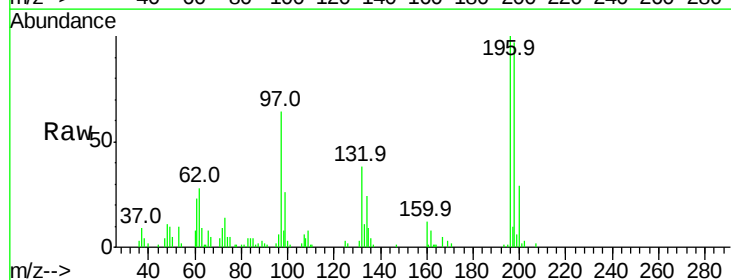
Tgt Ion:196 Resp: 56448

Ion Ratio Lower Upper

196 100

198 97.3 76.3 114.5

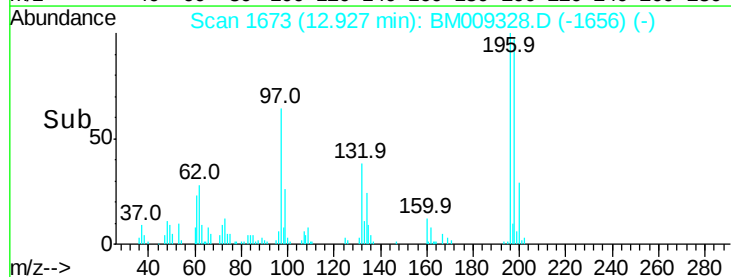
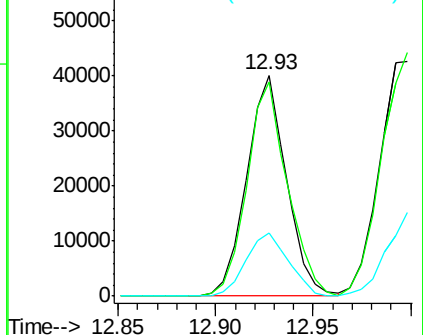
200 28.6 25.6 38.4

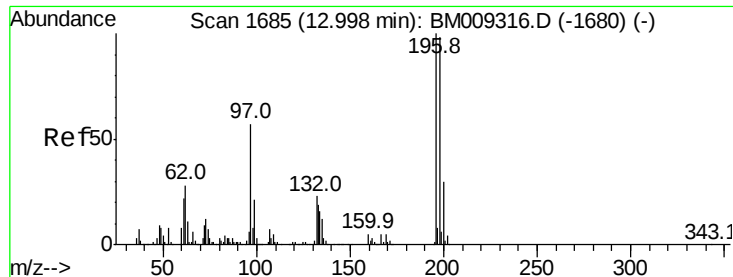


Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E

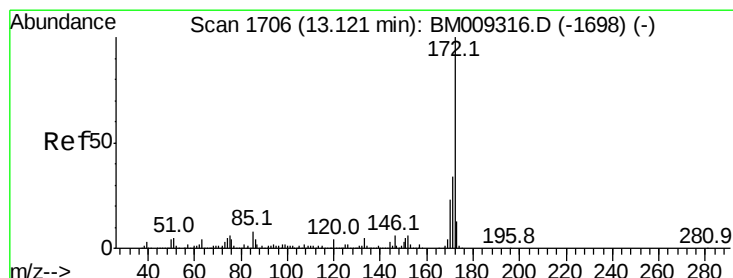
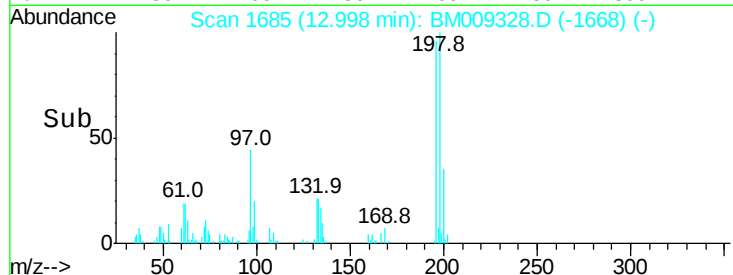
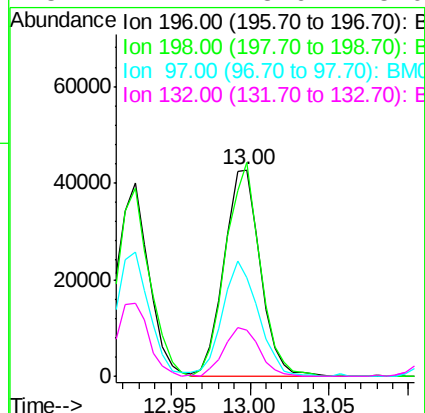
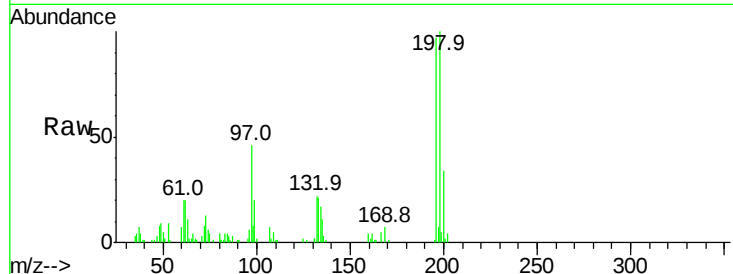




#43
2,4,5-Trichlorophenol
Concen: 7.63 ng
RT: 13.00 min Scan# 1685
Delta R.T. 0.00 min
Lab File: BM009328.D
Acq: 22 Mar 2017 21:11

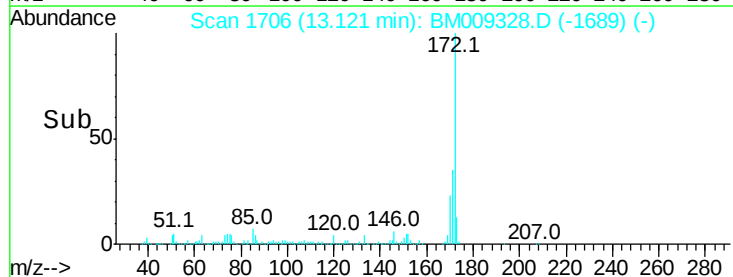
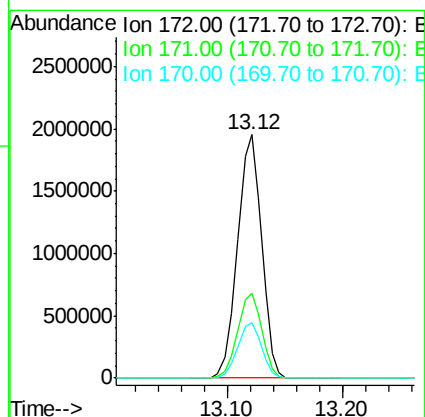
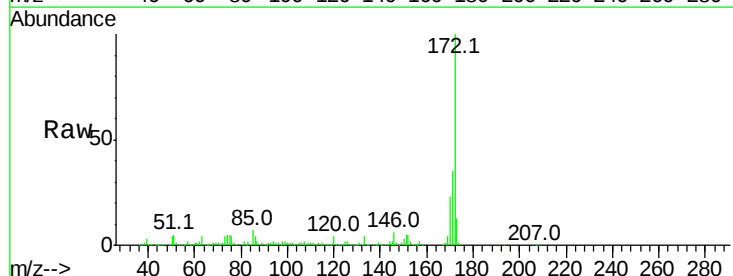
Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT2-2017

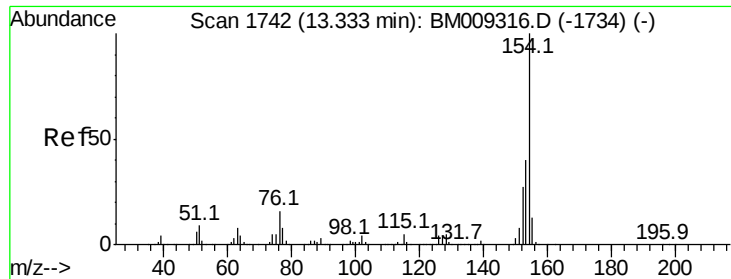
Tot Ion:196 Resp: 67778
Ion Ratio Lower Upper
196 100
198 103.6 79.4 119.0
97 47.9 26.8 40.2#
132 22.7 18.6 28.0



#44
2-Fluorobiphenyl
Concen: 91.83 ng
RT: 13.12 min Scan# 1706
Delta R.T. 0.00 min
Lab File: BM009328.D
Acq: 22 Mar 2017 21:11

Tgt Ion:172 Resp: 2809498
Ion Ratio Lower Upper
172 100
171 34.8 28.5 42.7
170 22.6 18.8 28.2

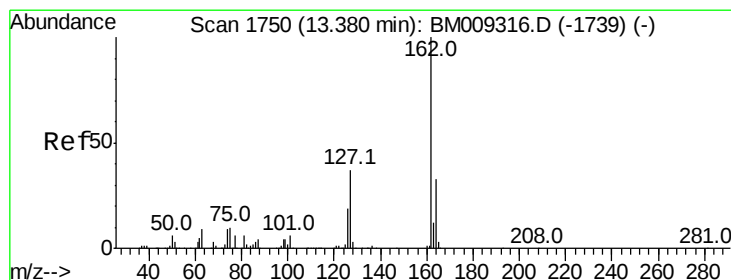
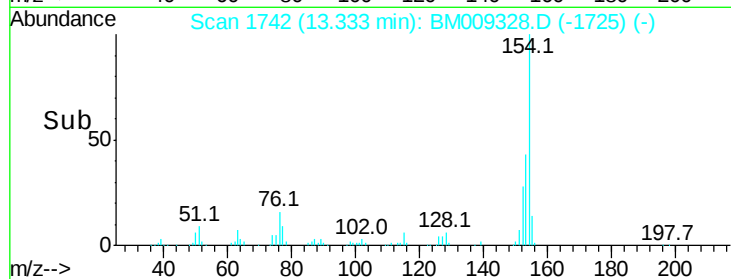
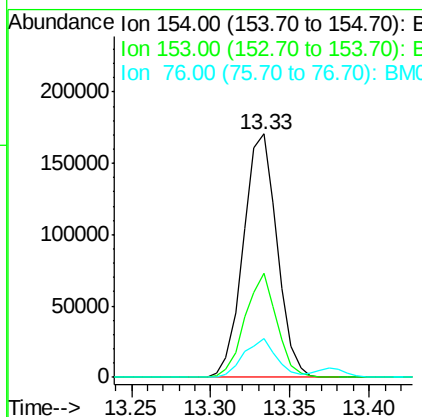
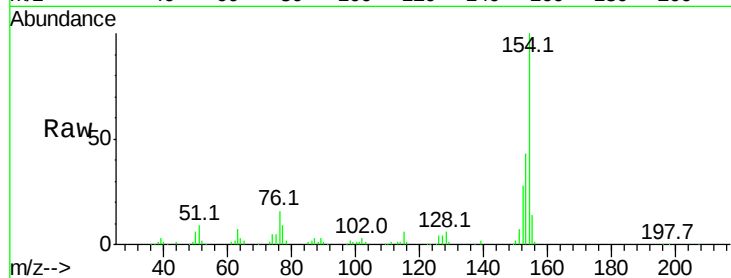




#45
 1,1'-Biphenyl
 Concen: 8.21 ng
 RT: 13.33 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: BM009328.D
 Acq: 22 Mar 2017 21:11

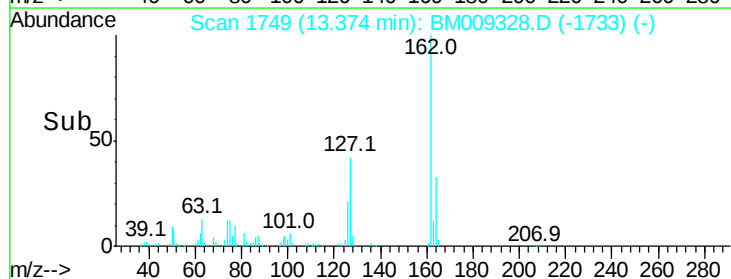
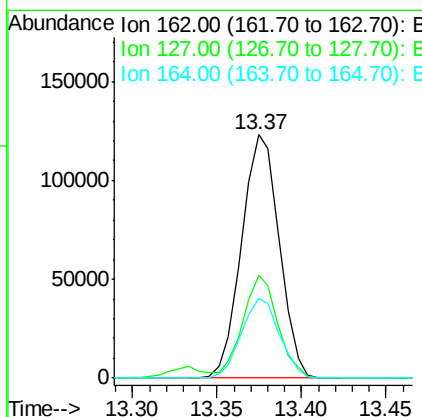
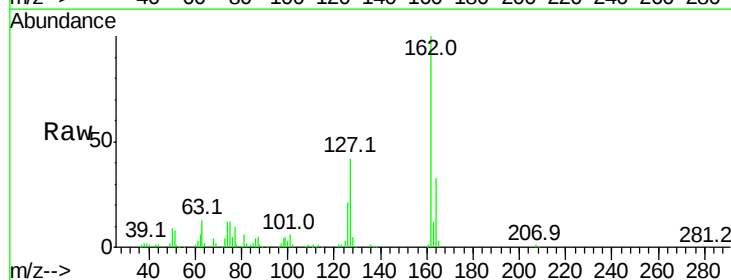
Instrument :
 BNA_M
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

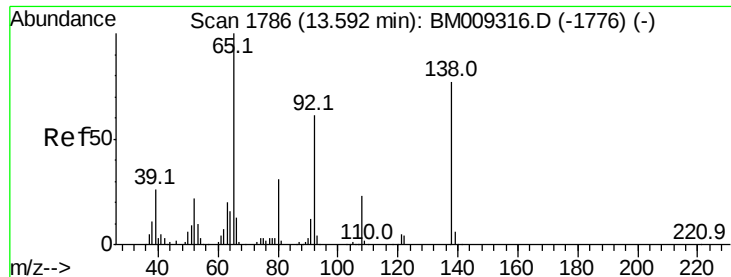
Tot Ion	Ratio	Lower	Upper
154	100		
153	43.0	20.7	60.7
76	16.2	0.0	30.9



#46
 2-Chloronaphthalene
 Concen: 8.02 ng
 RT: 13.37 min Scan# 1749
 Delta R.T. -0.01 min
 Lab File: BM009328.D
 Acq: 22 Mar 2017 21:11

Tgt Ion	Ratio	Lower	Upper
162	100		
127	42.0	26.9	40.3#
164	32.8	26.8	40.2





#47

2-Nitroaniline

Concen: 7.13 ng

RT: 13.59 min Scan# 1785

Delta R.T. -0.01 min

Lab File: BM009328.D

Acq: 22 Mar 2017 21:11

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

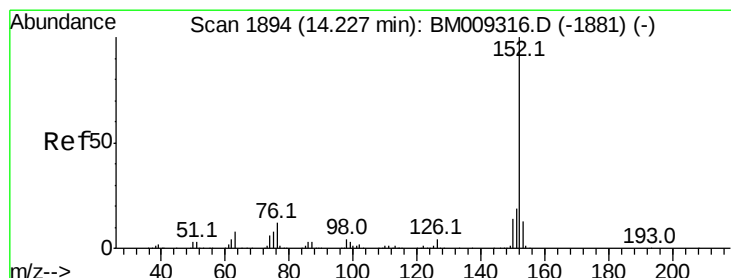
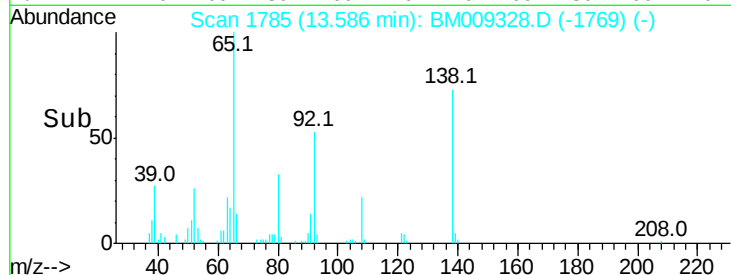
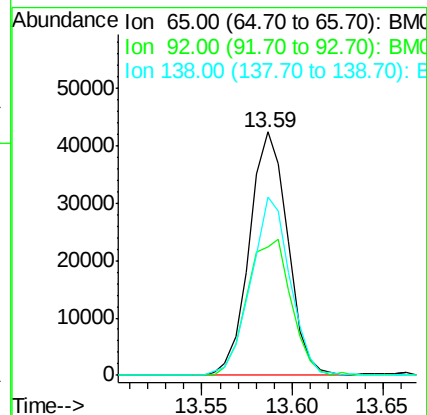
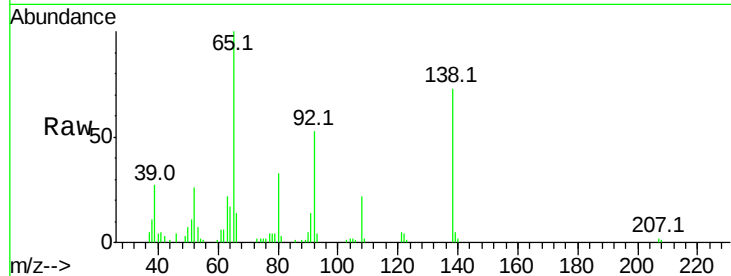
Tot Ion: 65 Resp: 62577

Ion Ratio Lower Upper

65 100

92 52.9 59.1 88.7#

138 73.4 93.9 140.9#



#48

Acenaphthylene

Concen: 8.00 ng

RT: 14.22 min Scan# 1893

Delta R.T. -0.01 min

Lab File: BM009328.D

Acq: 22 Mar 2017 21:11

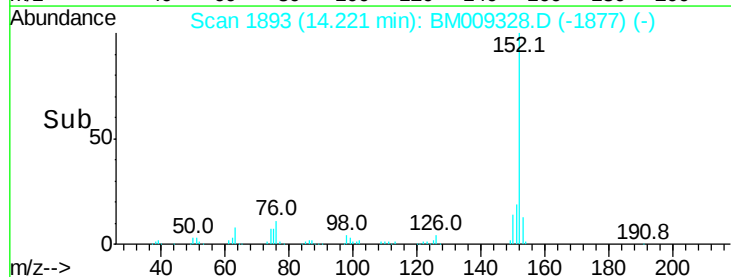
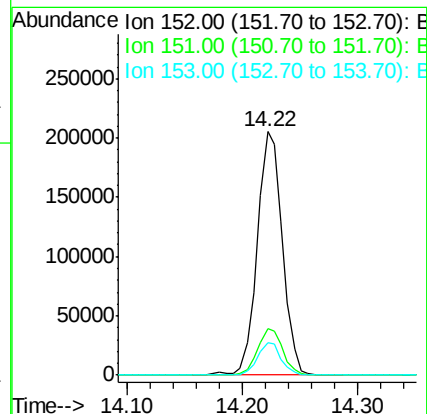
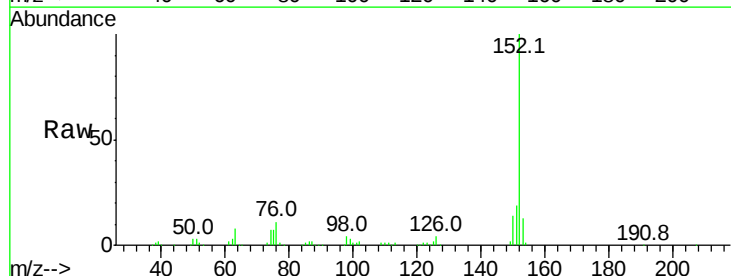
Tgt Ion: 152 Resp: 310613

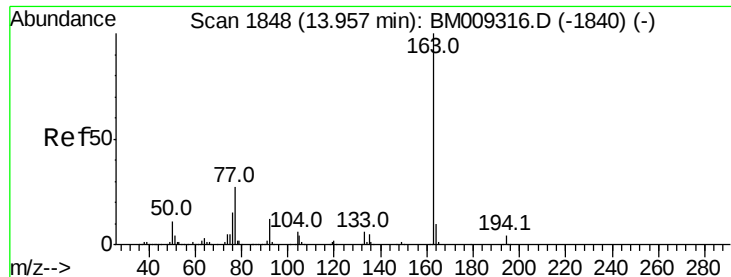
Ion Ratio Lower Upper

152 100

151 19.1 15.9 23.9

153 13.1 10.6 16.0

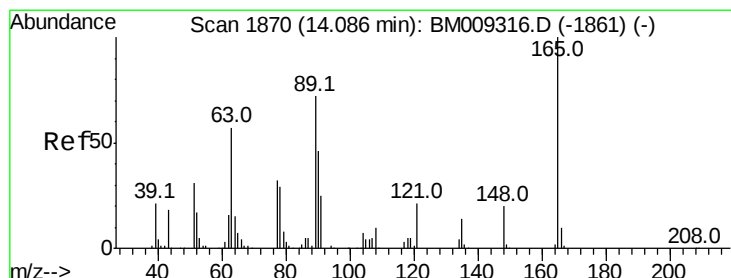
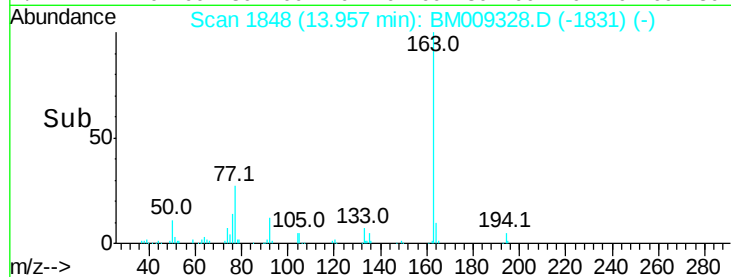
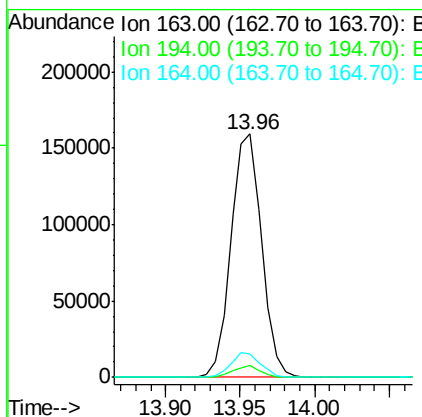
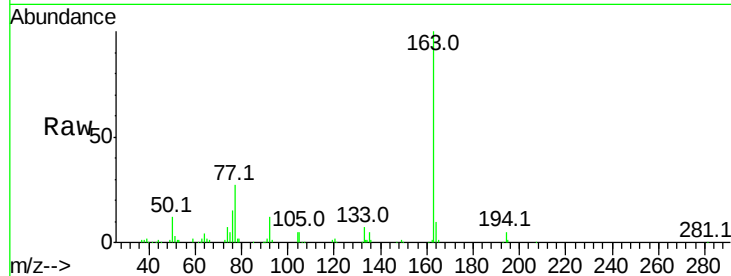




#49
Dimethylphthalate
Concen: 8.08 ng
RT: 13.96 min Scan# 1848
Delta R.T. 0.00 min
Lab File: BM009328.D
Acq: 22 Mar 2017 21:11

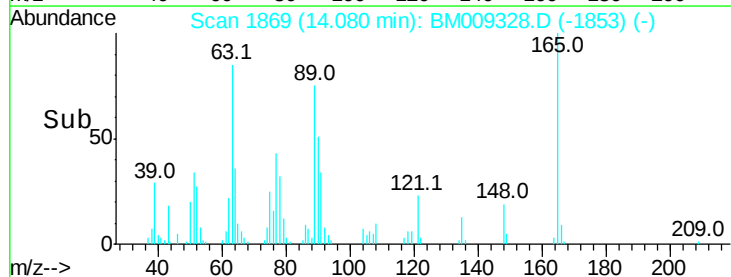
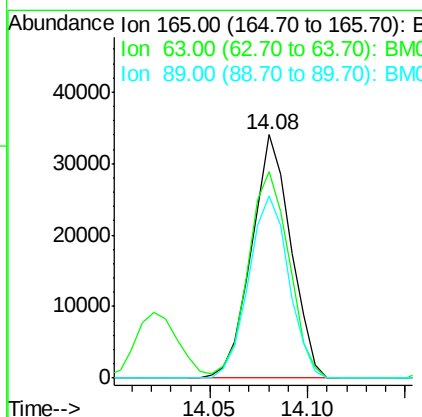
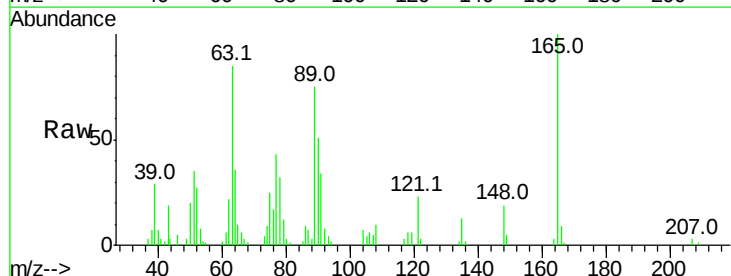
Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT2-2017

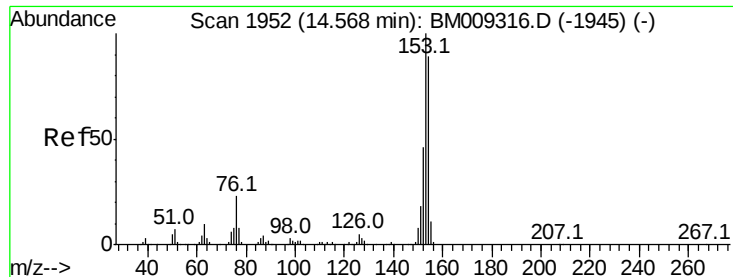
Tot Ion:163 Resp: 228600
Ion Ratio Lower Upper
163 100
194 4.9 2.7 4.1#
164 9.7 8.2 12.2



#50
2,6-Dinitrotoluene
Concen: 7.78 ng
RT: 14.08 min Scan# 1869
Delta R.T. -0.01 min
Lab File: BM009328.D
Acq: 22 Mar 2017 21:11

Tgt Ion:165 Resp: 47481
Ion Ratio Lower Upper
165 100
63 84.7 44.1 66.1#
89 74.7 44.3 66.5#





#51

Acenaphthene

Concen: 8.08 ng

RT: 14.57 min Scan# 1952

Delta R.T. 0.00 min

Lab File: BM009328.D

Acq: 22 Mar 2017 21:11

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

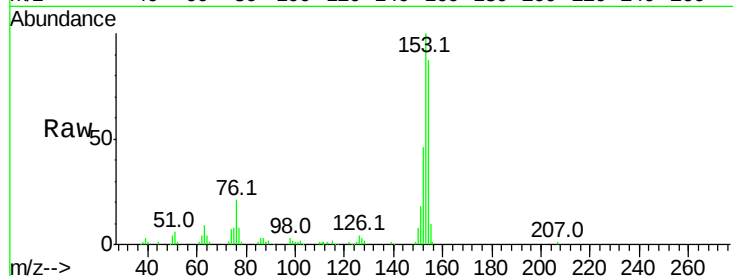
Tot Ion:154 Resp: 189109

Ion Ratio Lower Upper

154 100

153 114.7 90.0 135.0

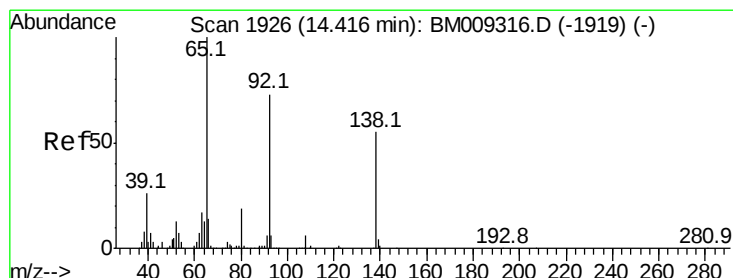
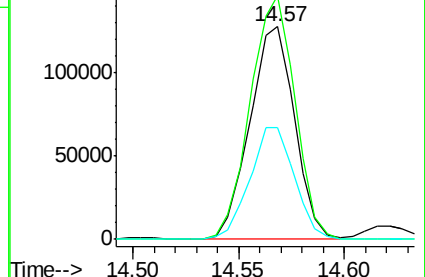
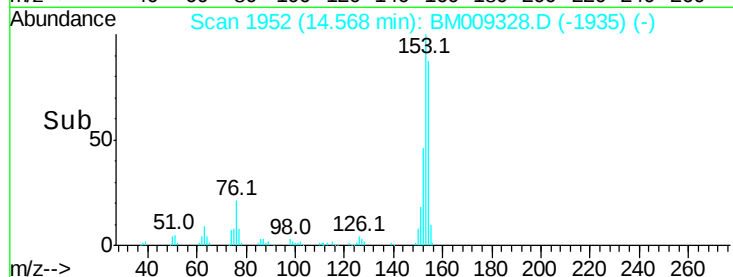
152 52.7 42.6 63.8



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: 7.55 ng

RT: 14.42 min Scan# 1926

Delta R.T. 0.00 min

Lab File: BM009328.D

Acq: 22 Mar 2017 21:11

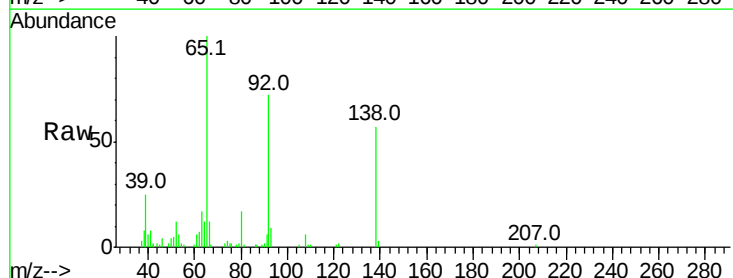
Tgt Ion:138 Resp: 45358

Ion Ratio Lower Upper

138 100

108 11.2 7.3 10.9#

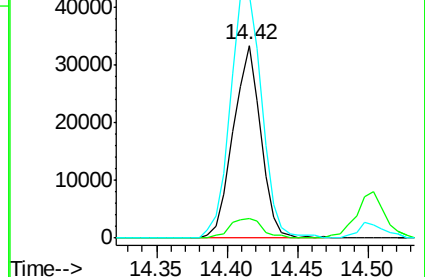
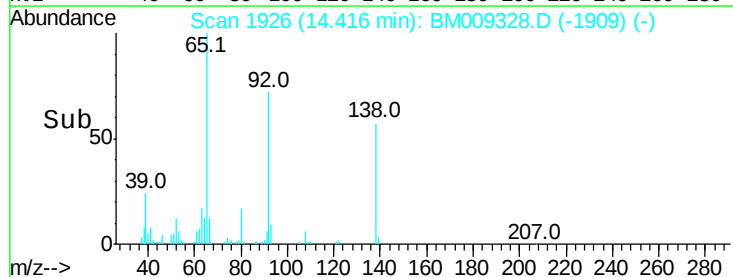
92 126.5 76.6 114.8#

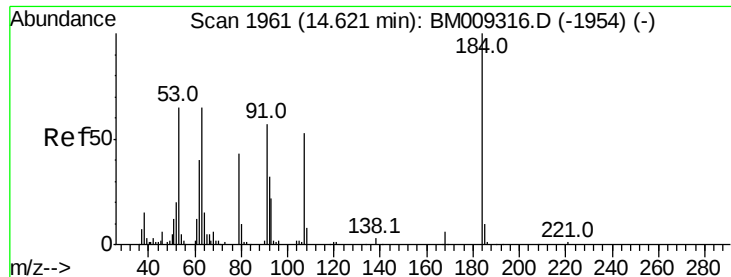


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BM

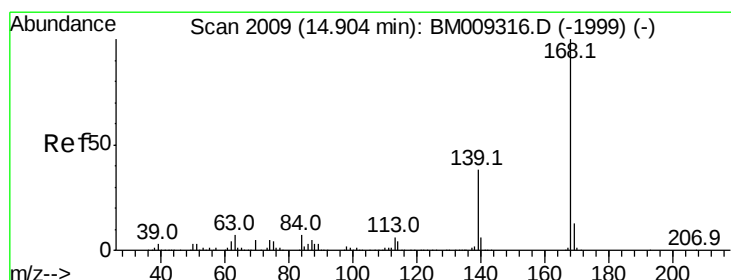
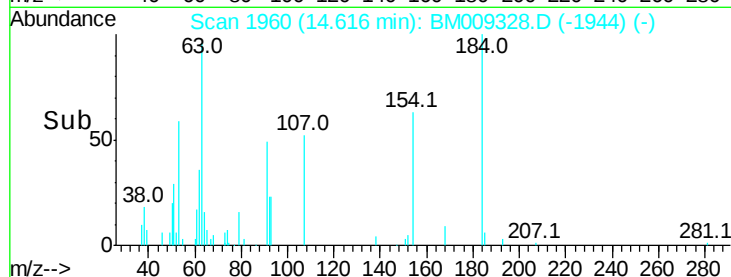
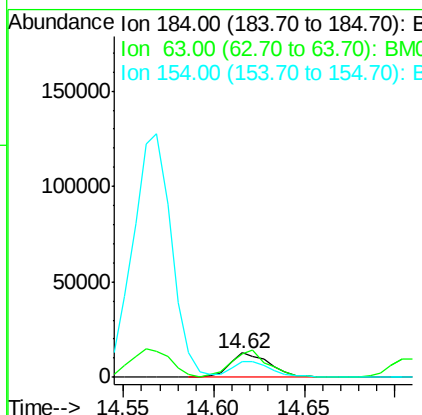
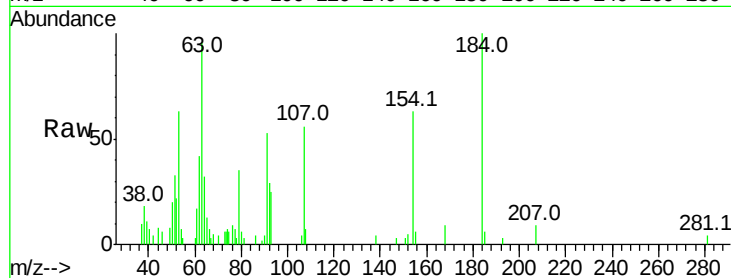




#53
2,4-Dinitrophenol
Concen: 9.94 ng
RT: 14.62 min Scan# 1960
Delta R.T. -0.01 min
Lab File: BM009328.D
Acq: 22 Mar 2017 21:11

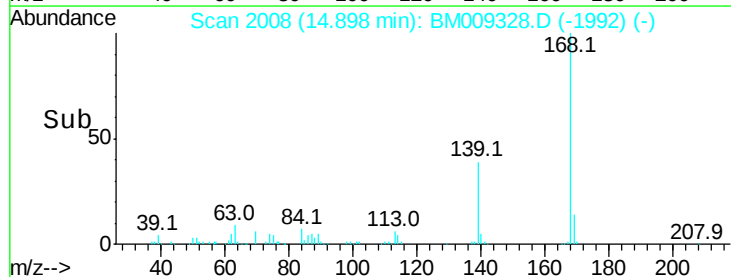
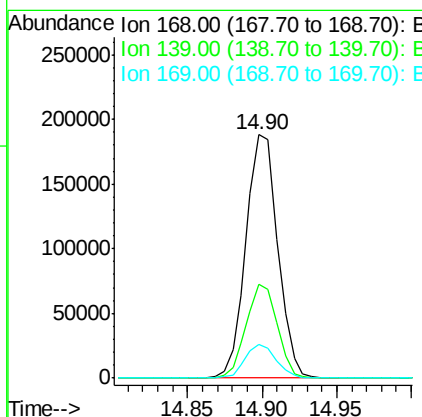
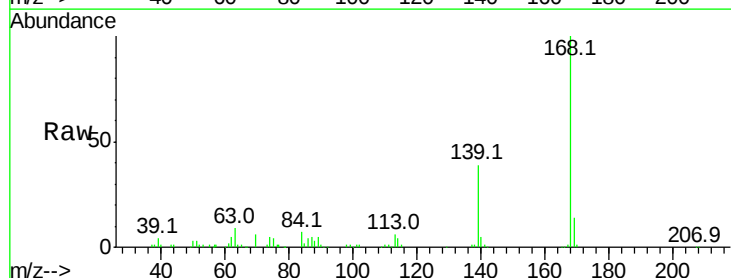
Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT2-2017

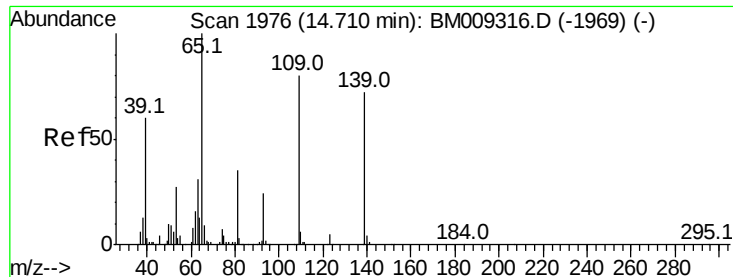
Tot Ion:184 Resp: 19757
Ion Ratio Lower Upper
184 100
63 96.4 69.2 103.8
154 63.2 53.3 79.9



#54
Dibenzofuran
Concen: 8.00 ng
RT: 14.90 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BM009328.D
Acq: 22 Mar 2017 21:11

Tgt Ion:168 Resp: 277196
Ion Ratio Lower Upper
168 100
139 38.8 27.3 40.9
169 13.8 10.6 16.0

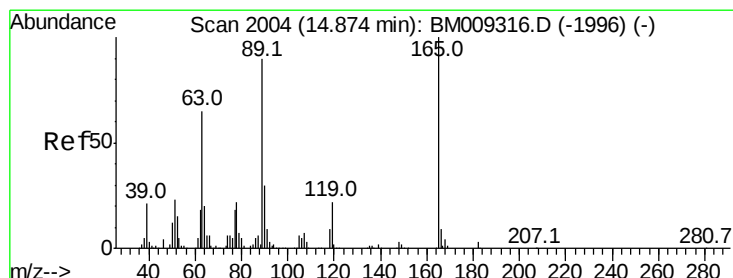
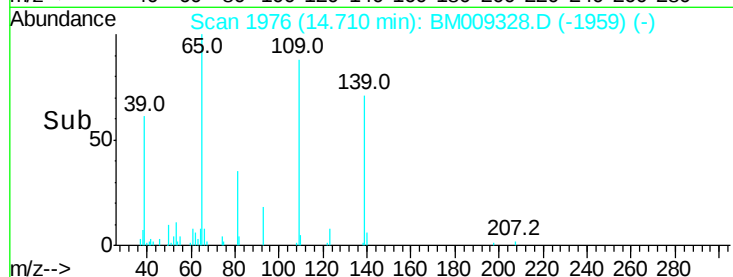
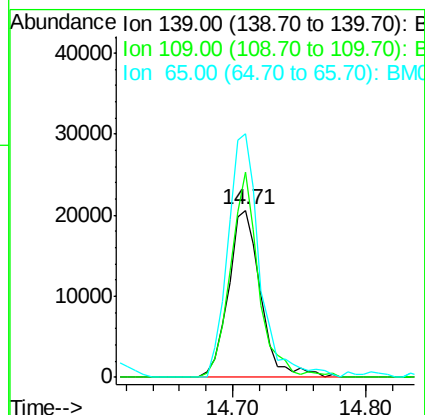
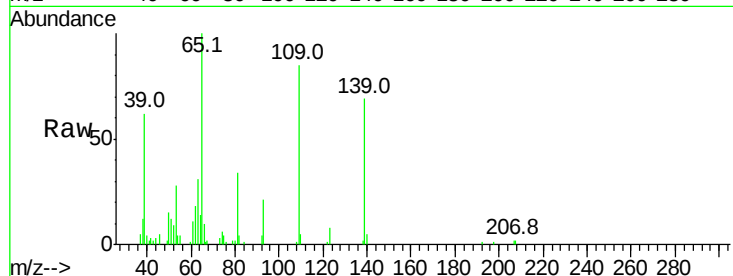




#55
4-Nitrophenol
Concen: 7.01 ng
RT: 14.71 min Scan# 1976
Delta R.T. 0.00 min
Lab File: BM009328.D
Acq: 22 Mar 2017 21:11

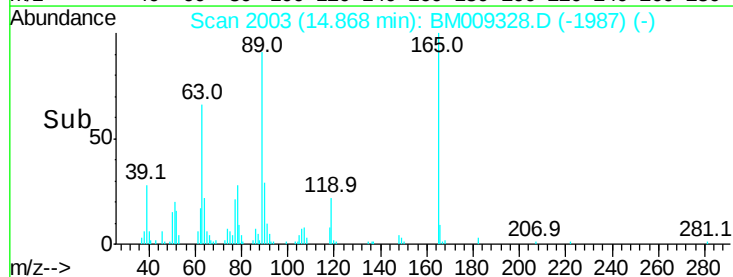
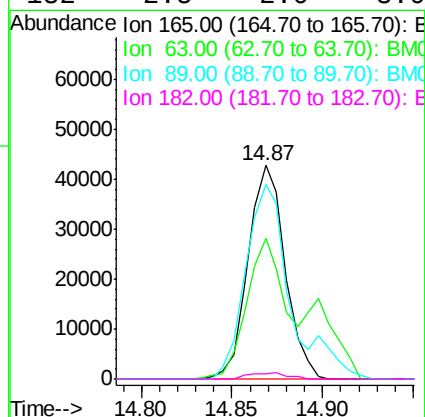
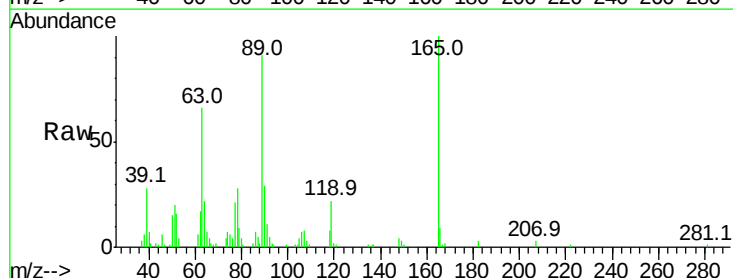
Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT2-2017

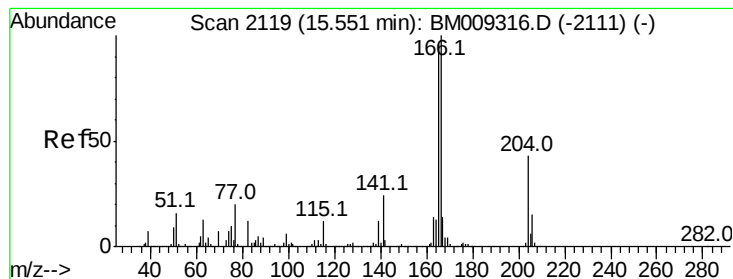
Tot Ion:139 Resp: 34811
Ion Ratio Lower Upper
139 100
109 123.3 37.7 77.7#
65 145.8 49.9 89.9#



#56
2,4-Dinitrotoluene
Concen: 7.33 ng
RT: 14.87 min Scan# 2003
Delta R.T. -0.01 min
Lab File: BM009328.D
Acq: 22 Mar 2017 21:11

Tgt Ion:165 Resp: 60510
Ion Ratio Lower Upper
165 100
63 65.9 52.4 78.6
89 90.9 72.4 108.6
182 2.5 2.0 3.0





#57

Fluorene

Concen: 7.82 ng

RT: 15.55 min Scan# 2119

Delta R.T. -0.00 min

Lab File: BM009328.D

Acq: 22 Mar 2017 21:11

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

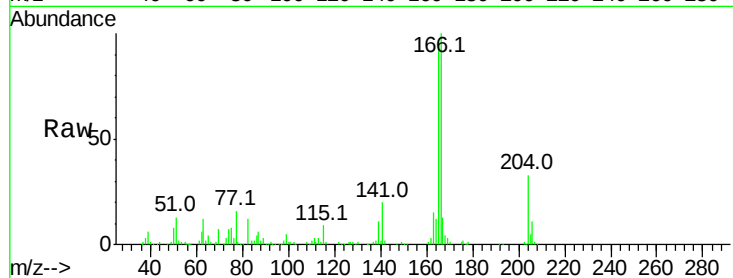
Tot Ion:166 Resp: 243572

Ion Ratio Lower Upper

166 100

165 96.2 79.0 118.4

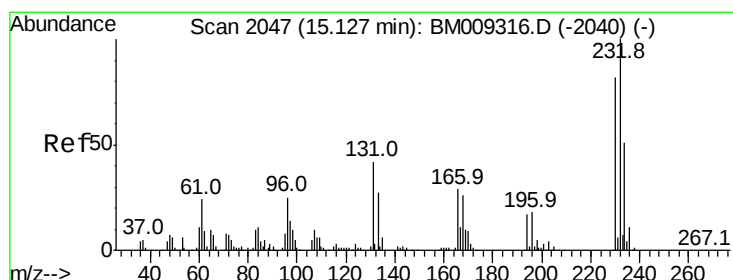
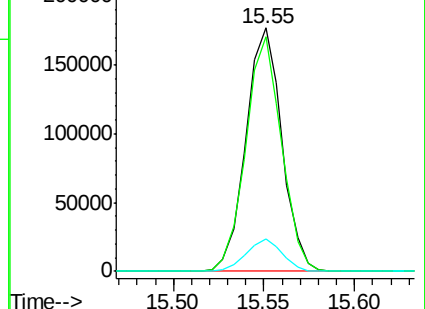
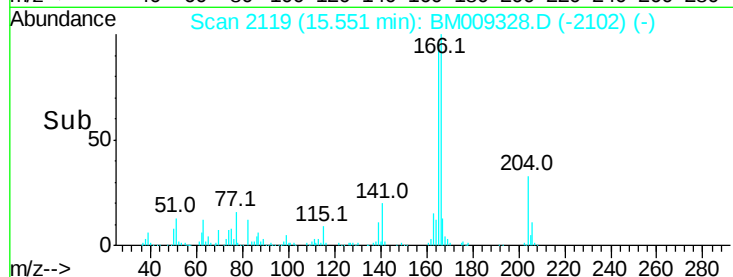
167 13.2 10.3 15.5



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 7.71 ng

RT: 15.12 min Scan# 2046

Delta R.T. -0.01 min

Lab File: BM009328.D

Acq: 22 Mar 2017 21:11

Tgt Ion:232 Resp: 57875

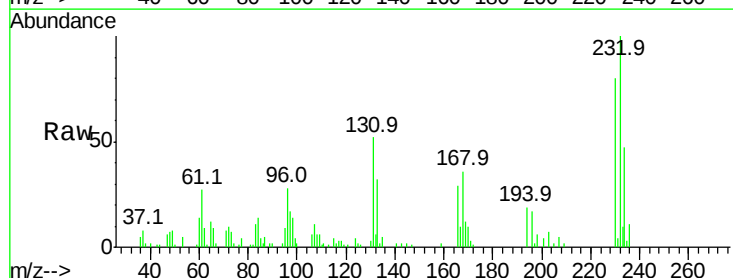
Ion Ratio Lower Upper

232 100

131 47.3 0.0 0.0#

130 2.6 0.0 0.0#

166 28.2 0.0 0.0#

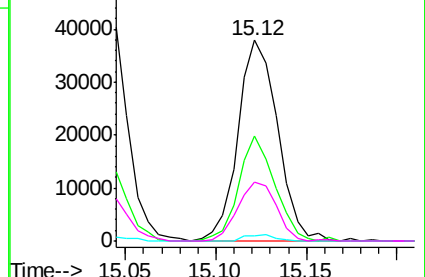
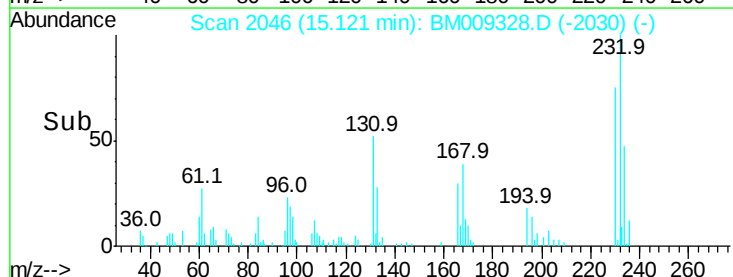


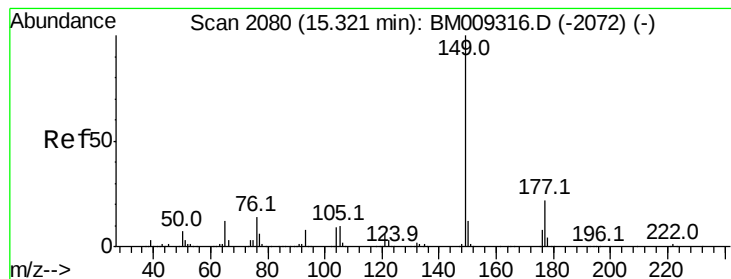
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





#59

Diethylphthalate

Concen: 7.98 ng

RT: 15.32 min Scan# 2079

Delta R.T. -0.01 min

Lab File: BM009328.D

Acq: 22 Mar 2017 21:11

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

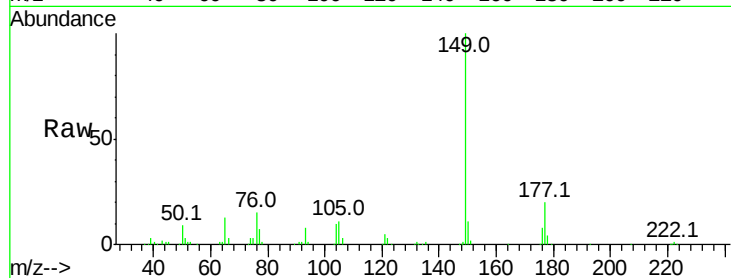
Tot Ion:149 Resp: 229114

Ion Ratio Lower Upper

149 100

177 20.2 18.3 27.5

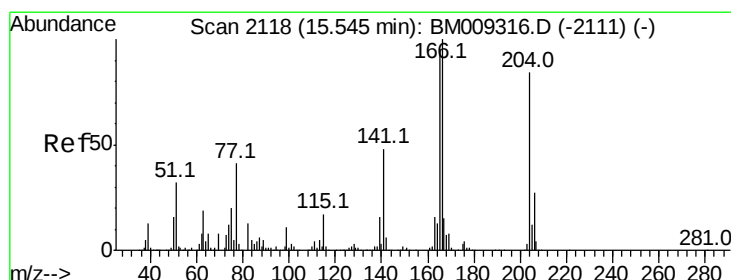
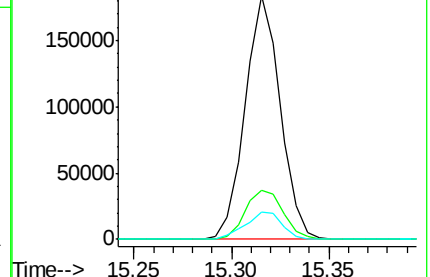
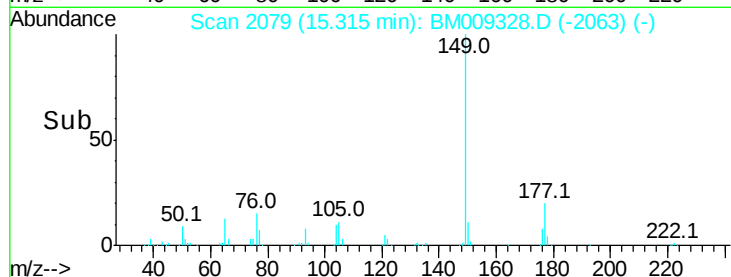
150 11.2 9.8 14.8



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: 7.74 ng

RT: 15.54 min Scan# 2117

Delta R.T. -0.01 min

Lab File: BM009328.D

Acq: 22 Mar 2017 21:11

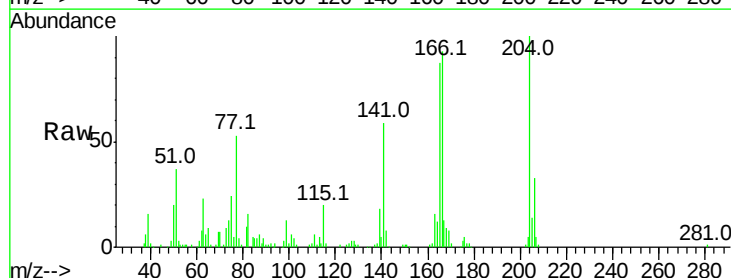
Tgt Ion:204 Resp: 125884

Ion Ratio Lower Upper

204 100

206 32.6 26.6 39.8

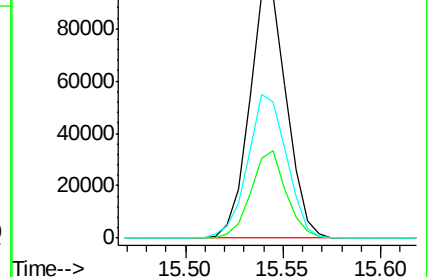
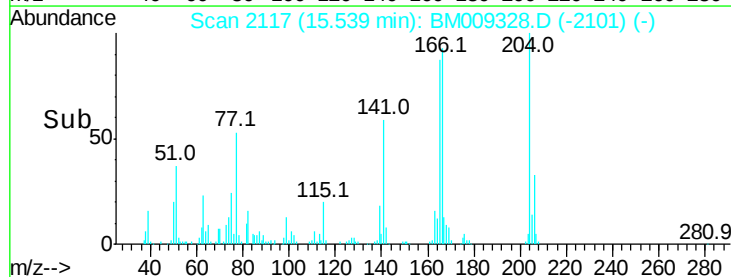
141 59.2 45.2 67.8

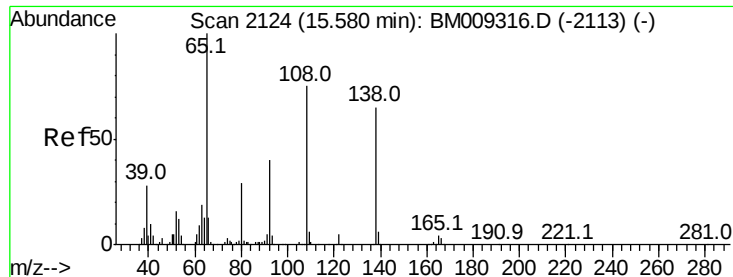


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

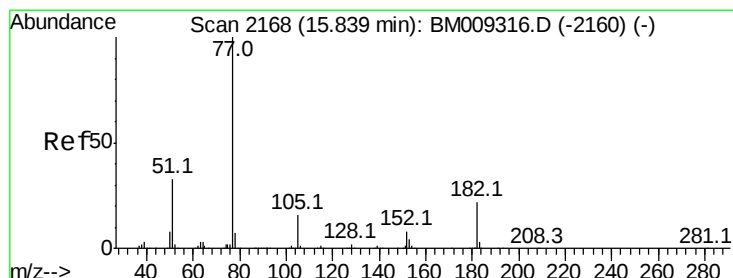
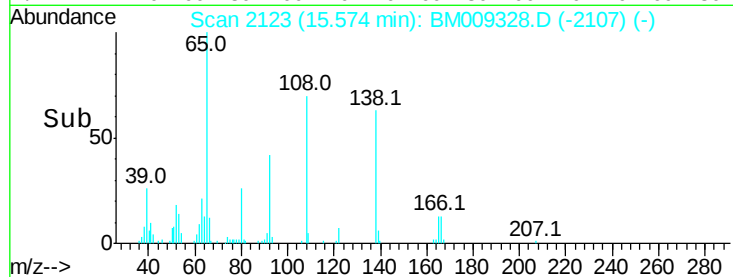
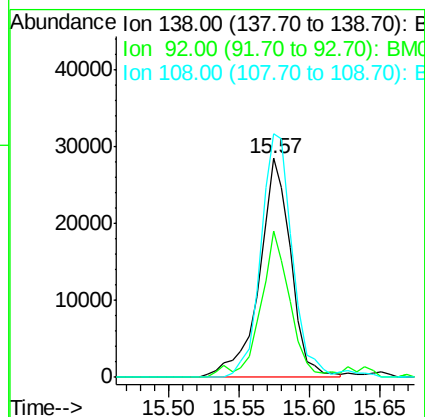
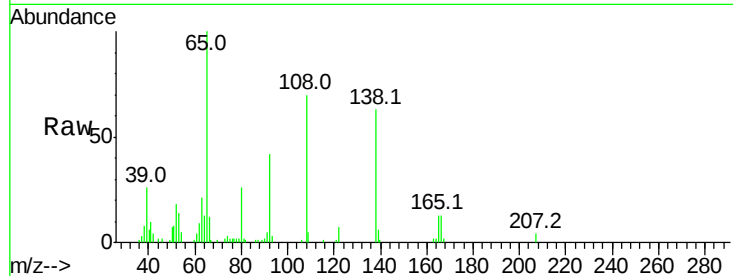




#61
4-Nitroaniline
Concen: 6.90 ng
RT: 15.57 min Scan# 2123
Delta R.T. -0.01 min
Lab File: BM009328.D
Acq: 22 Mar 2017 21:11

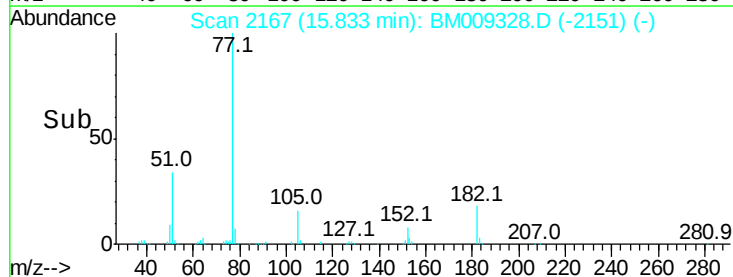
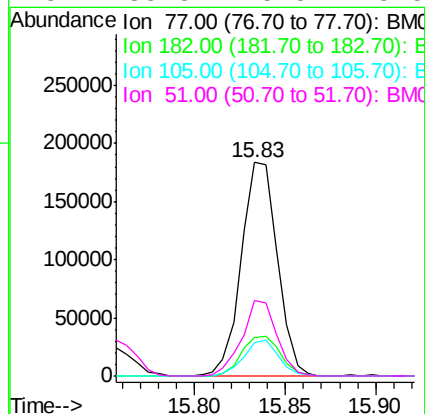
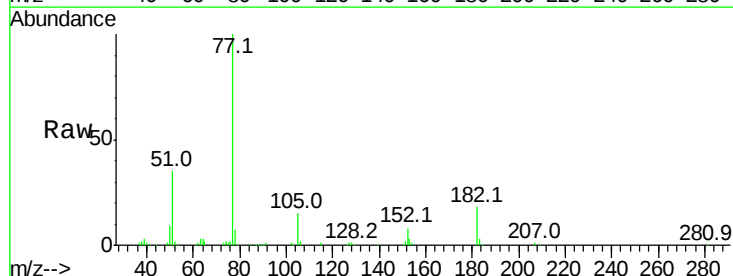
Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT2-2017

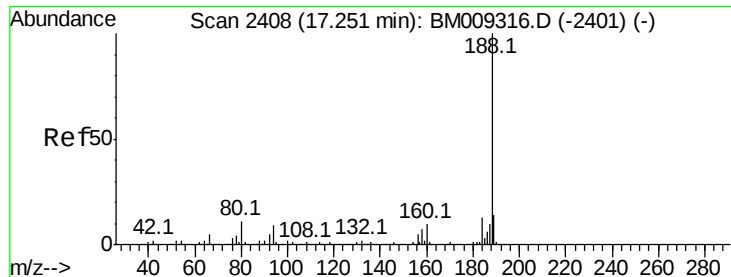
Tot Ion:138 Resp: 45046
Ion Ratio Lower Upper
138 100
92 66.9 16.7 56.7#
108 111.1 37.6 77.6#



#62
Azobenzene
Concen: 7.61 ng
RT: 15.83 min Scan# 2167
Delta R.T. -0.01 min
Lab File: BM009328.D
Acq: 22 Mar 2017 21:11

Tgt Ion: 77 Resp: 254929
Ion Ratio Lower Upper
77 100
182 17.9 6.5 46.5
105 15.4 3.8 43.8
51 35.3 5.5 45.5

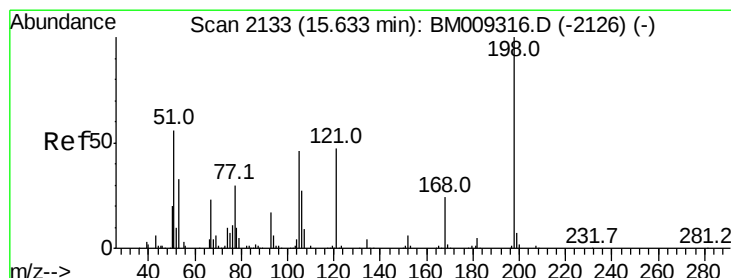
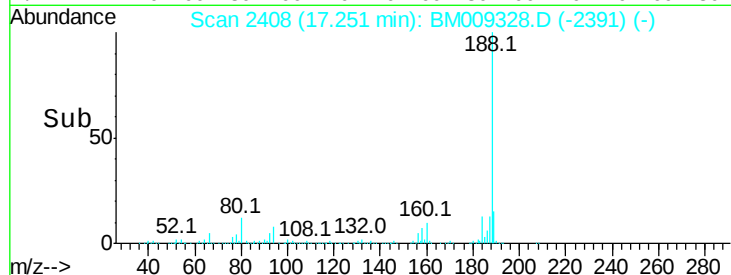
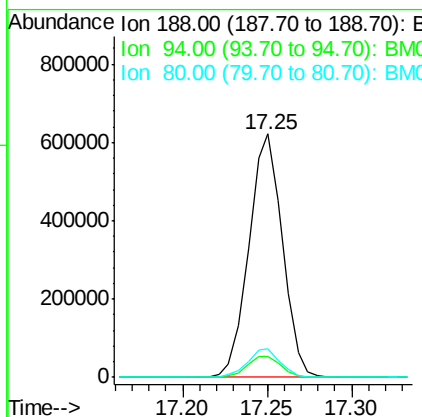
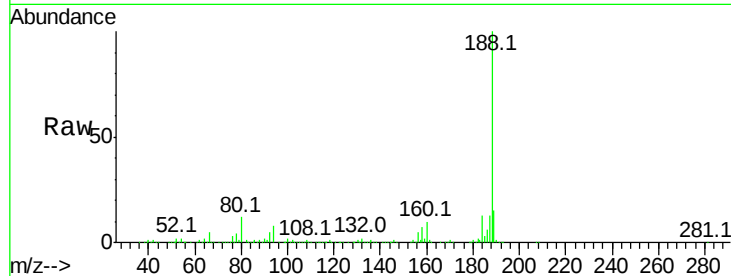




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.25 min Scan# 2408
Delta R.T. 0.00 min
Lab File: BM009328.D
Acq: 22 Mar 2017 21:11

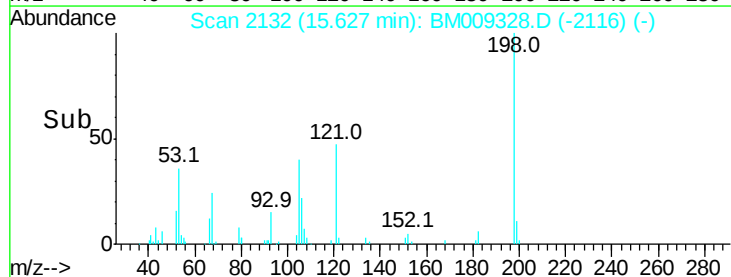
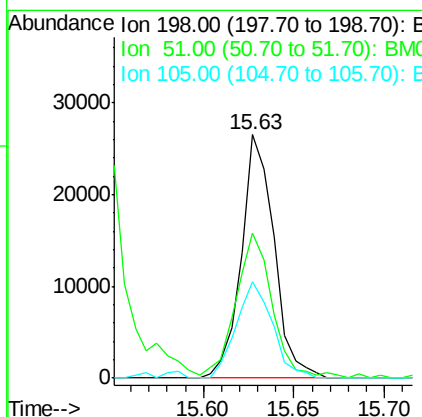
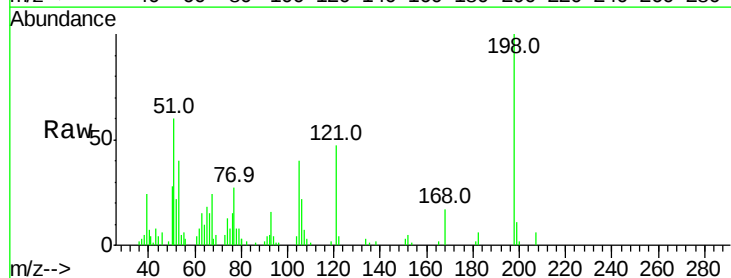
Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT2-2017

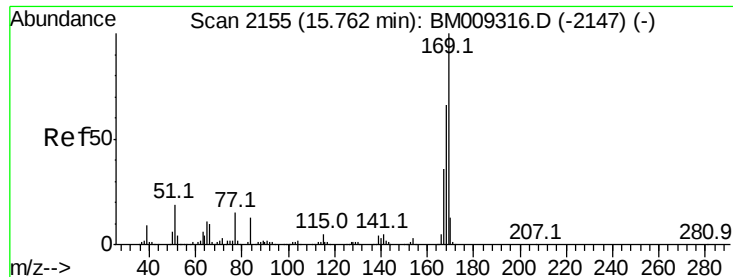
Tot Ion:188 Resp: 859297
Ion Ratio Lower Upper
188 100
94 8.4 8.7 13.1#
80 11.5 9.3 13.9



#64
4,6-Dinitro-2-methylphenol
Concen: 6.15 ng
RT: 15.63 min Scan# 2132
Delta R.T. -0.01 min
Lab File: BM009328.D
Acq: 22 Mar 2017 21:11

Tgt Ion:198 Resp: 33292
Ion Ratio Lower Upper
198 100
51 59.5 28.8 68.8
105 39.6 30.5 70.5





#65

n-Nitrosodiphenylamine

Concen: 7.67 ng

RT: 15.76 min Scan# 2154

Delta R.T. -0.01 min

Lab File: BM009328.D

Acq: 22 Mar 2017 21:11

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

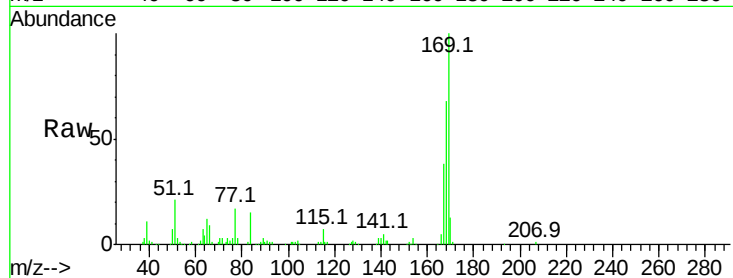
Tot Ion:169 Resp: 200219

Ion Ratio Lower Upper

169 100

168 67.7 53.9 80.9

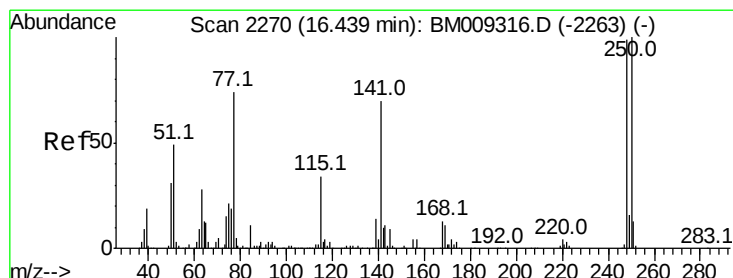
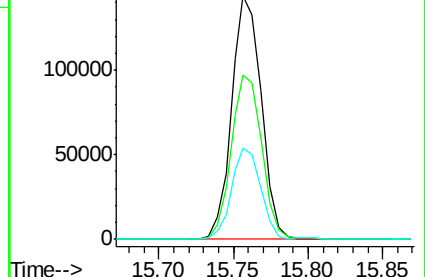
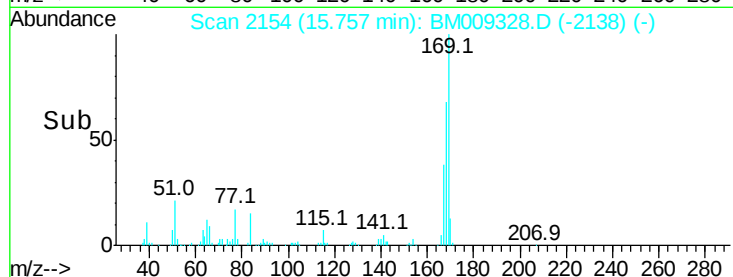
167 37.6 28.9 43.3



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 8.12 ng

RT: 16.44 min Scan# 2270

Delta R.T. 0.00 min

Lab File: BM009328.D

Acq: 22 Mar 2017 21:11

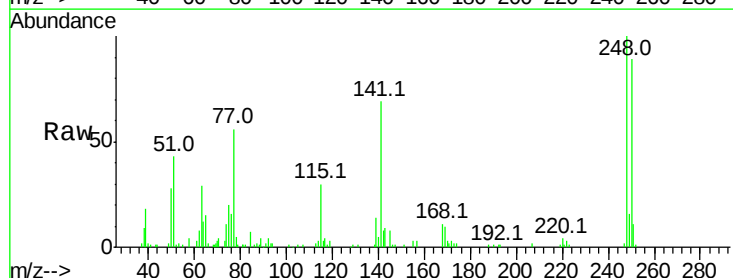
Tgt Ion:248 Resp: 80848

Ion Ratio Lower Upper

248 100

250 89.3 77.4 116.0

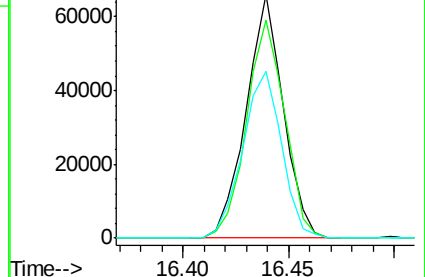
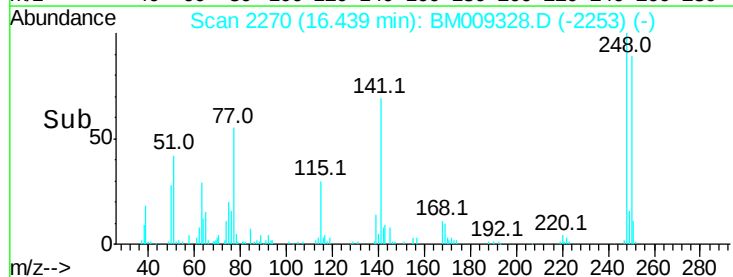
141 68.7 45.2 67.8#

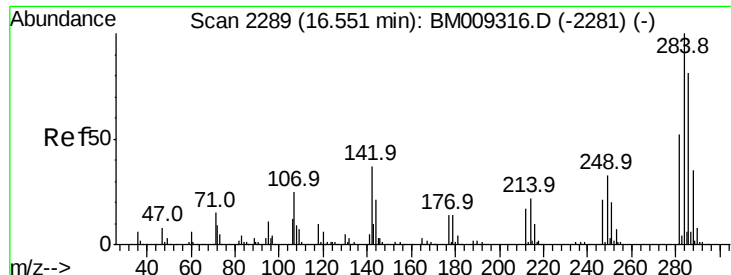


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

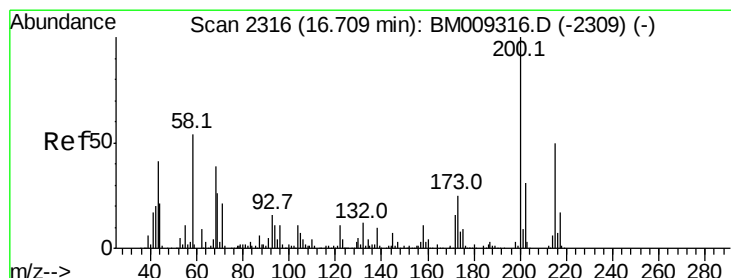
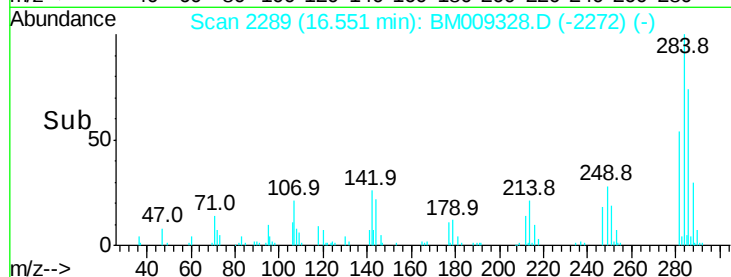
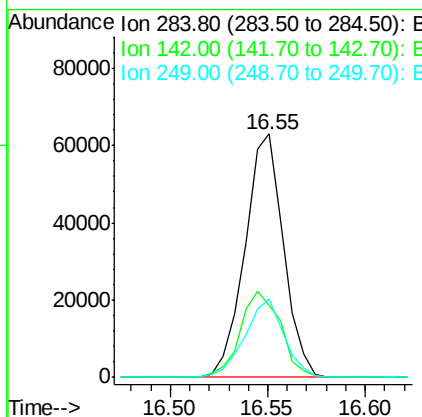
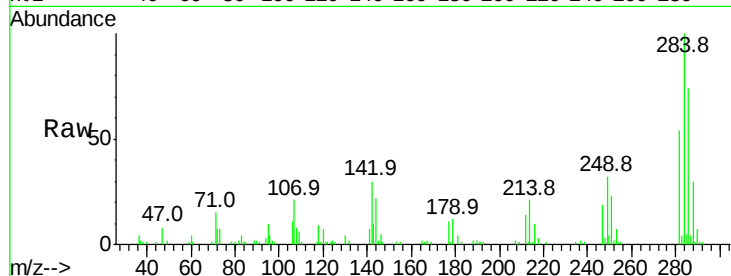




#67
Hexachlorobenzene
Concen: 7.88 ng
RT: 16.55 min Scan# 2289
Delta R.T. 0.00 min
Lab File: BM009328.D
Acq: 22 Mar 2017 21:11

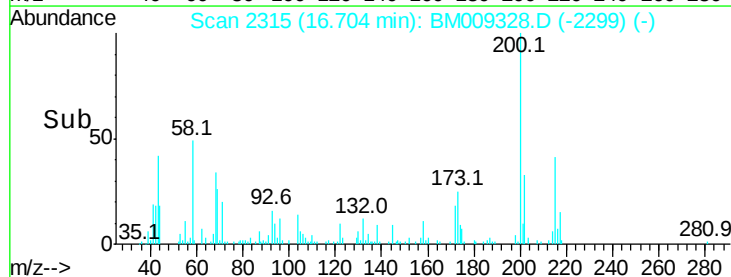
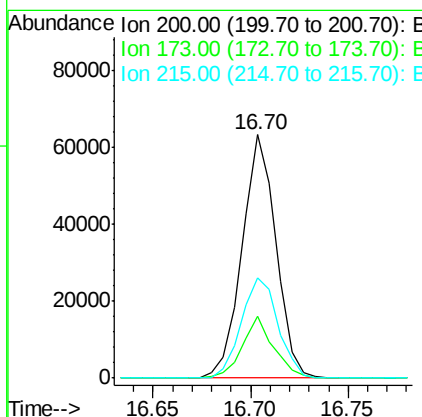
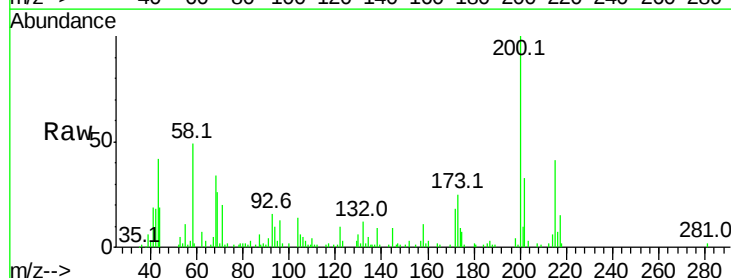
Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT2-2017

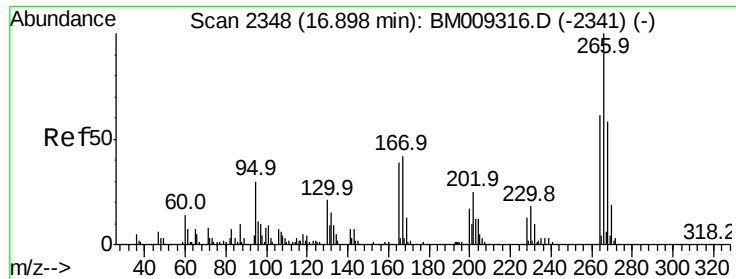
Tot Ion:284 Resp: 86012
Ion Ratio Lower Upper
284 100
142 29.7 20.4 30.6
249 32.4 23.8 35.6



#68
Atrazine
Concen: 7.75 ng
RT: 16.70 min Scan# 2315
Delta R.T. -0.01 min
Lab File: BM009328.D
Acq: 22 Mar 2017 21:11

Tgt Ion:200 Resp: 76118
Ion Ratio Lower Upper
200 100
173 25.4 4.8 44.8
215 41.0 26.9 66.9





#69

Pentachlorophenol

Concen: 6.40 ng

RT: 16.90 min Scan# 2348

Delta R.T. 0.00 min

Lab File: BM009328.D

Acq: 22 Mar 2017 21:11

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

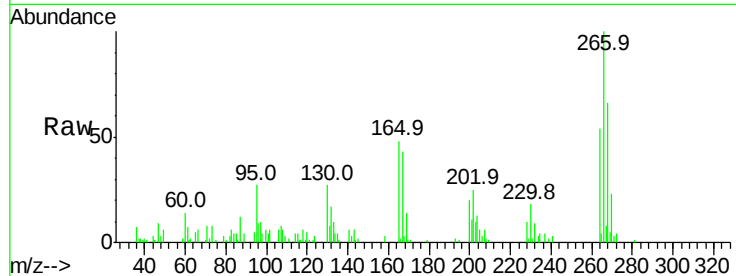
Tot Ion:266 Resp: 42658

Ion Ratio Lower Upper

266 100

268 65.9 52.0 78.0

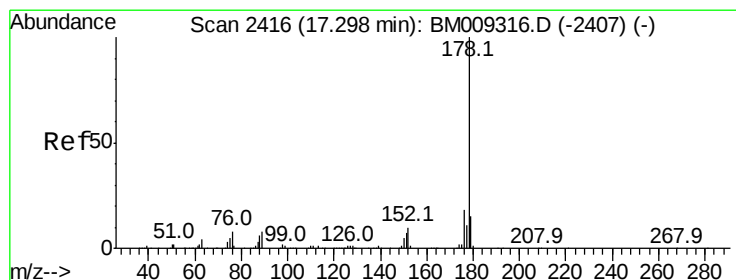
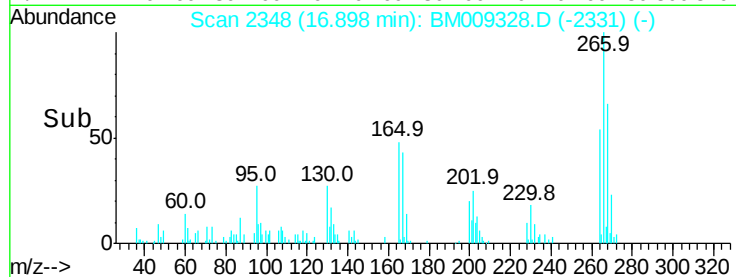
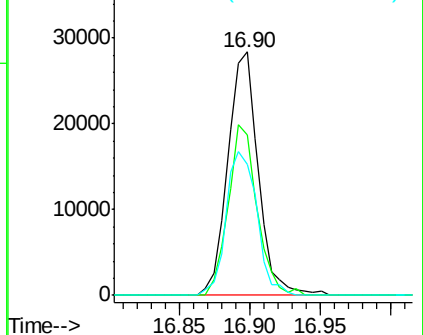
264 53.9 49.0 73.4



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: 7.87 ng

RT: 17.29 min Scan# 2415

Delta R.T. -0.01 min

Lab File: BM009328.D

Acq: 22 Mar 2017 21:11

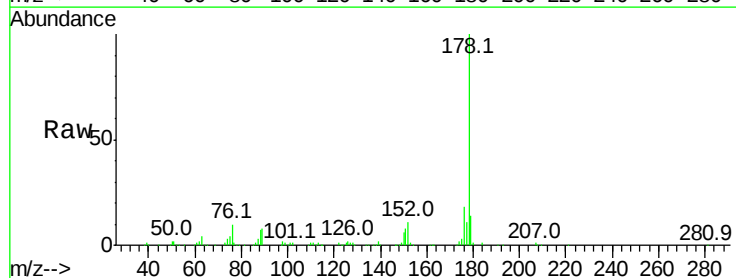
Tgt Ion:178 Resp: 386728

Ion Ratio Lower Upper

178 100

176 18.2 15.2 22.8

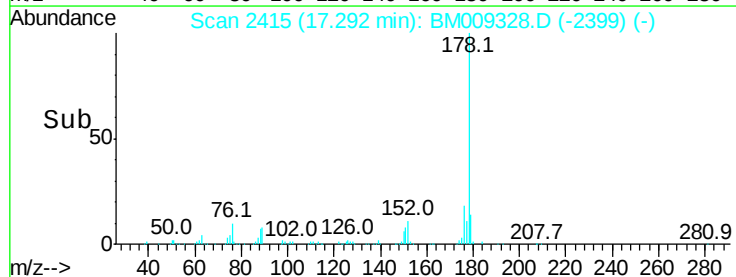
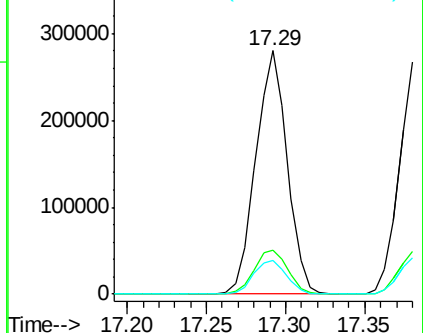
179 14.0 12.1 18.1

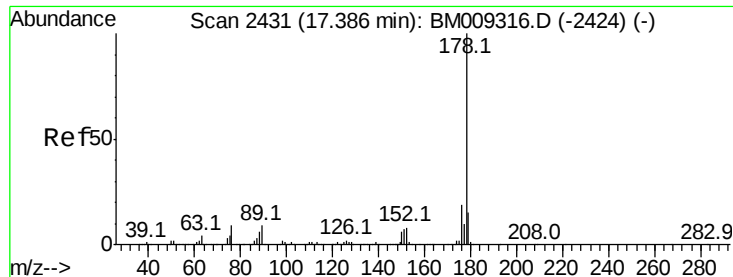


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

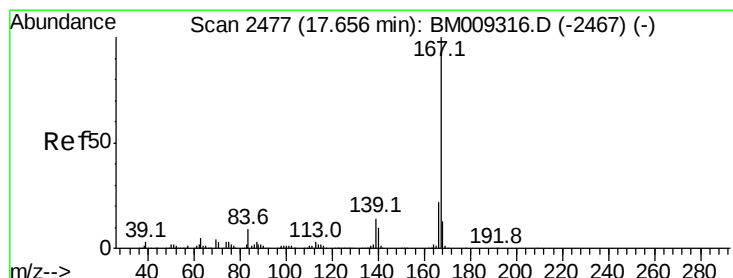
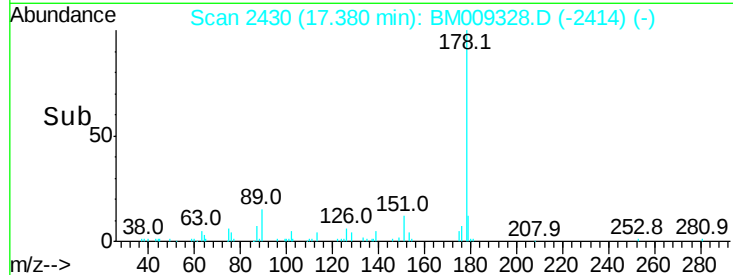
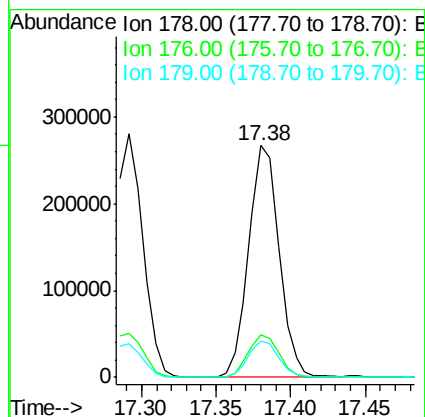
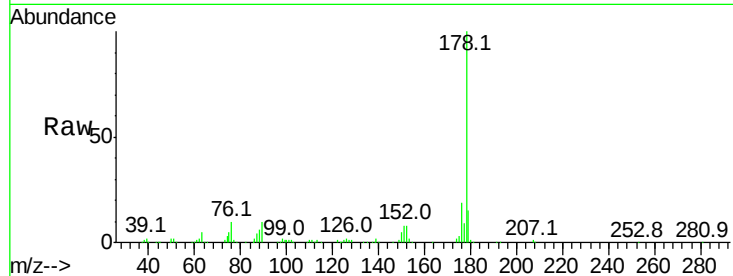




#71
 Anthracene
 Concen: 7.60 ng
 RT: 17.38 min Scan# 2430
 Delta R.T. -0.01 min
 Lab File: BM009328.D
 Acq: 22 Mar 2017 21:11

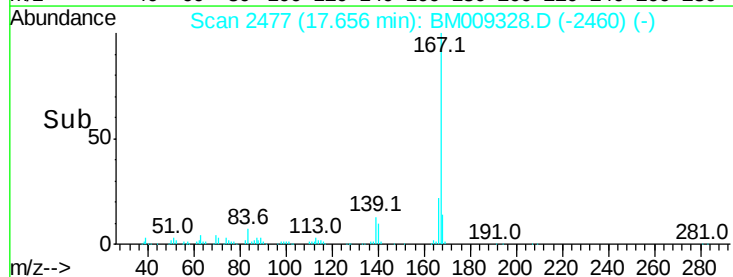
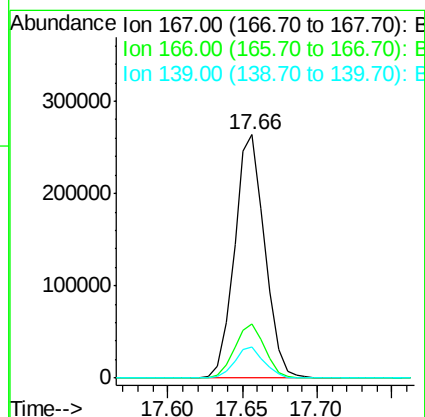
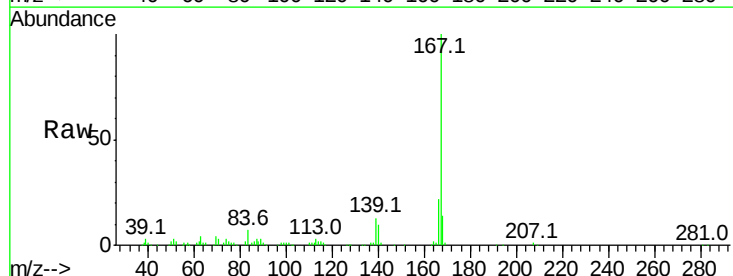
Instrument :
 BNA_M
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

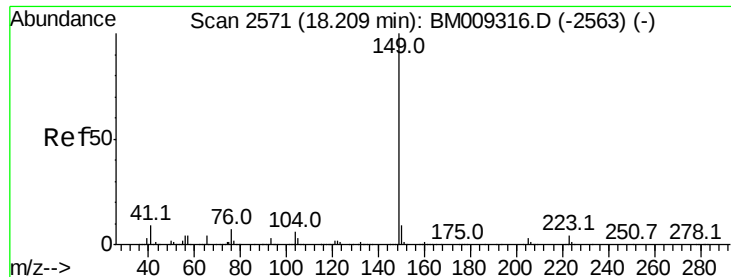
Tot Ion:178 Resp: 378278
 Ion Ratio Lower Upper
 178 100
 176 18.7 14.6 22.0
 179 15.5 12.6 19.0



#72
 Carbazole
 Concen: 7.80 ng
 RT: 17.66 min Scan# 2477
 Delta R.T. 0.00 min
 Lab File: BM009328.D
 Acq: 22 Mar 2017 21:11

Tgt Ion:167 Resp: 371507
 Ion Ratio Lower Upper
 167 100
 166 22.1 17.2 25.8
 139 12.6 10.8 16.2

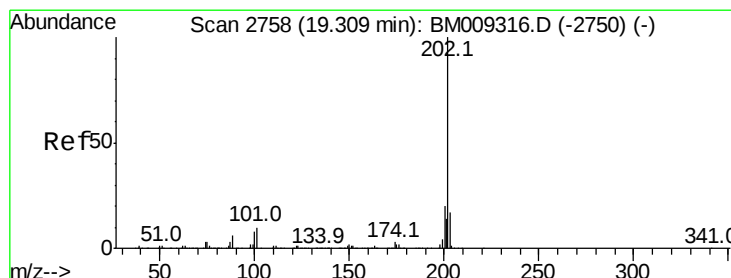
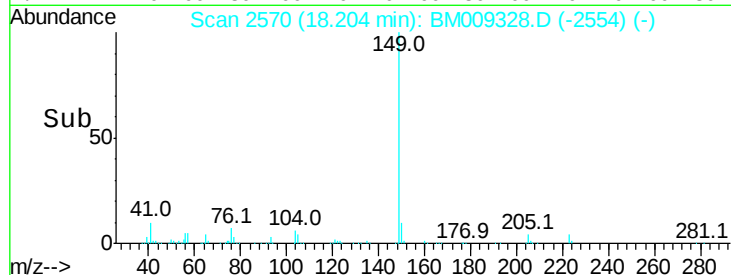
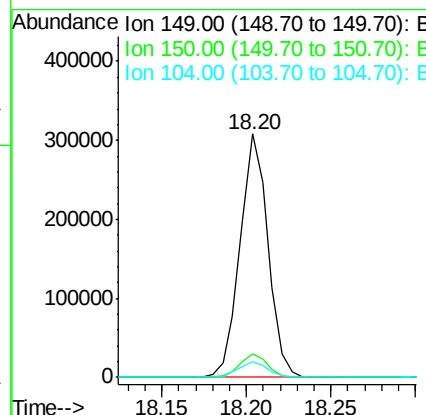
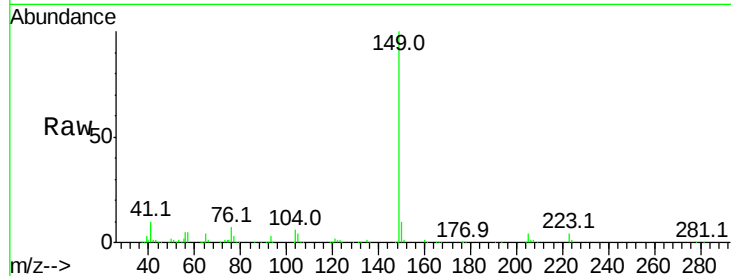




#73
Di-n-butylphthalate
Concen: 7.28 ng
RT: 18.20 min Scan# 2570
Delta R.T. -0.01 min
Lab File: BM009328.D
Acq: 22 Mar 2017 21:11

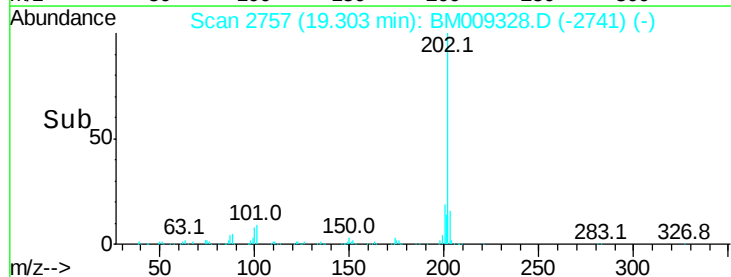
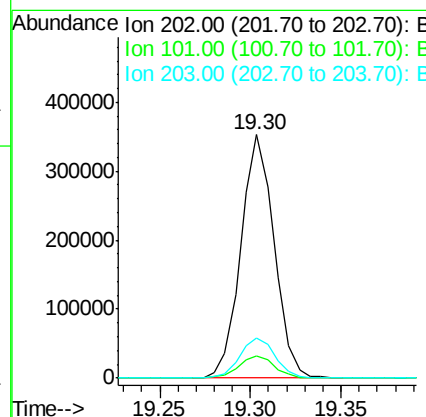
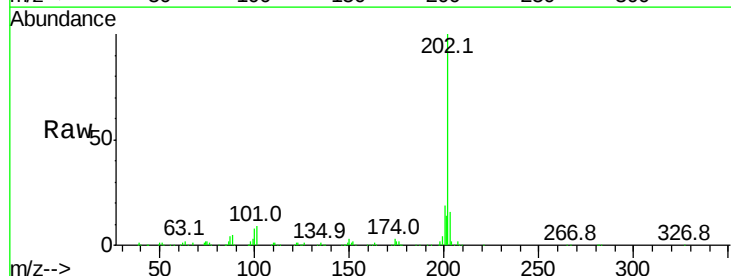
Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT2-2017

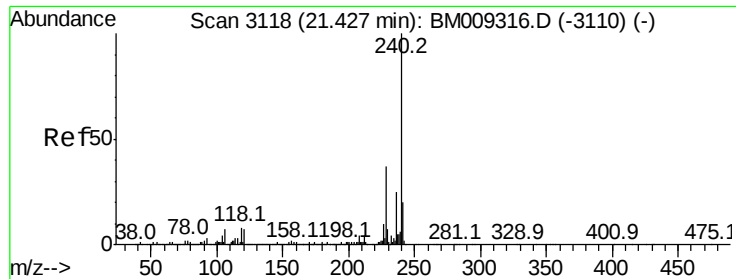
Tot Ion:149 Resp: 354476
Ion Ratio Lower Upper
149 100
150 9.8 7.5 11.3
104 6.3 3.7 5.5#



#74
Fluoranthene
Concen: 7.75 ng
RT: 19.30 min Scan# 2757
Delta R.T. -0.01 min
Lab File: BM009328.D
Acq: 22 Mar 2017 21:11

Tgt Ion:202 Resp: 450813
Ion Ratio Lower Upper
202 100
101 9.2 0.0 28.7
203 16.3 0.0 37.2





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.43 min Scan# 3118

Delta R.T. 0.00 min

Lab File: BM009328.D

Acq: 22 Mar 2017 21:11

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

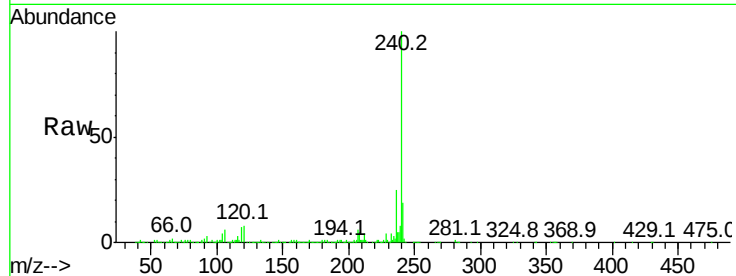
Tot Ion:240 Resp: 1129268

Ion	Ratio	Lower	Upper
240	100		
120	7.7	8.2	12.2#
236	24.7	20.0	30.0

240 100

120 7.7 8.2 12.2#

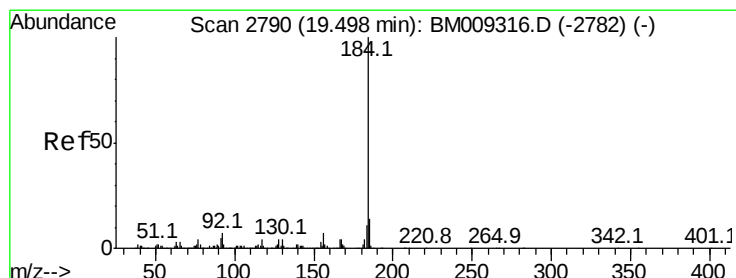
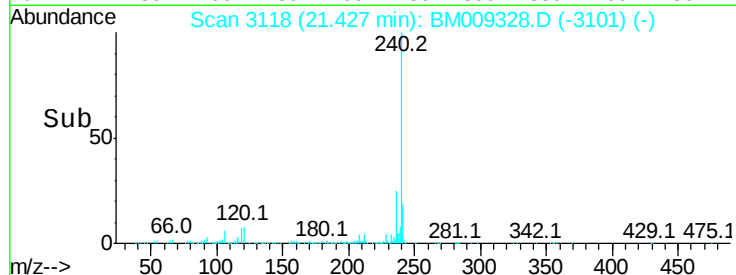
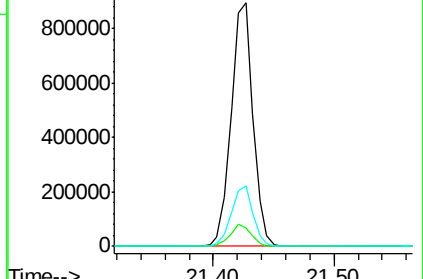
236 24.7 20.0 30.0



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: 6.59 ng

RT: 19.49 min Scan# 2789

Delta R.T. -0.01 min

Lab File: BM009328.D

Acq: 22 Mar 2017 21:11

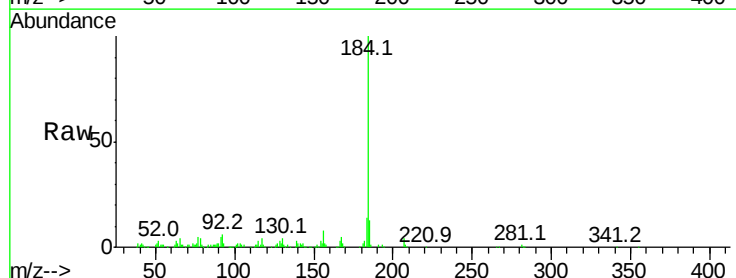
Tgt Ion:184 Resp: 221897

Ion	Ratio	Lower	Upper
184	100		
185	13.2	11.3	16.9
183	13.8	8.9	13.3#

184 100

185 13.2 11.3 16.9

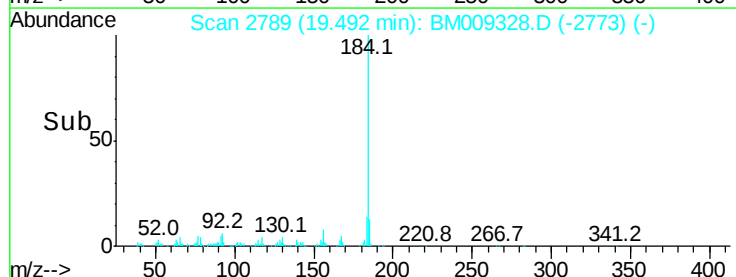
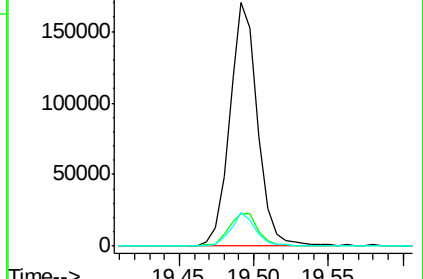
183 13.8 8.9 13.3#

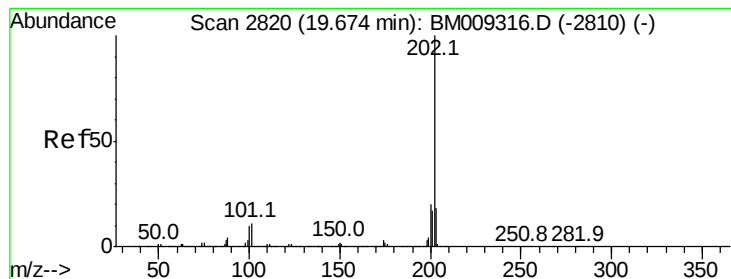


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 7.60 ng

RT: 19.67 min Scan# 2819

Delta R.T. -0.01 min

Lab File: BM009328.D

Acq: 22 Mar 2017 21:11

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

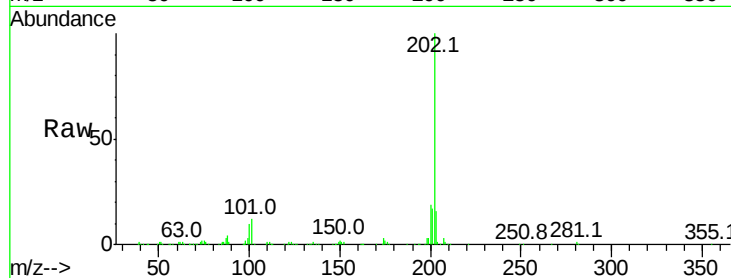
Tot Ion:202 Resp: 486853

Ion Ratio Lower Upper

202 100

200 18.7 16.9 25.3

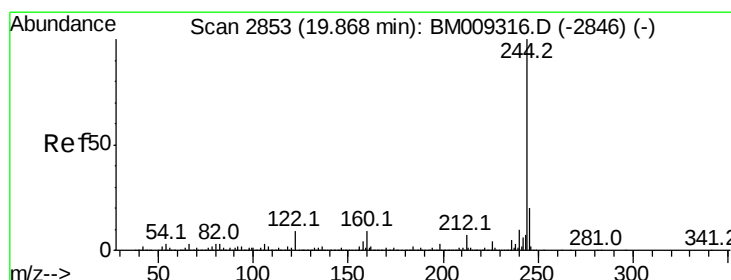
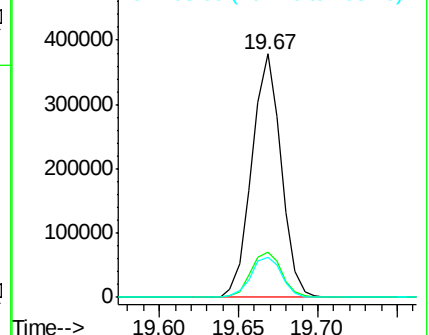
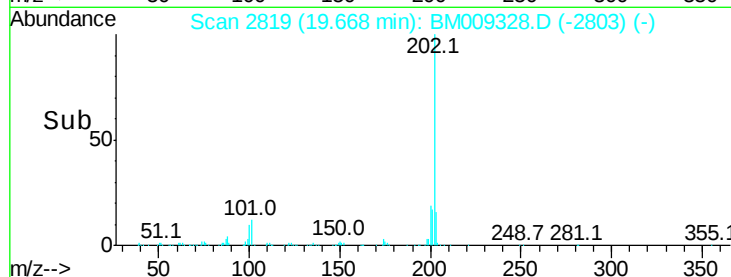
203 16.4 14.1 21.1



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: 80.24 ng

RT: 19.87 min Scan# 2853

Delta R.T. 0.00 min

Lab File: BM009328.D

Acq: 22 Mar 2017 21:11

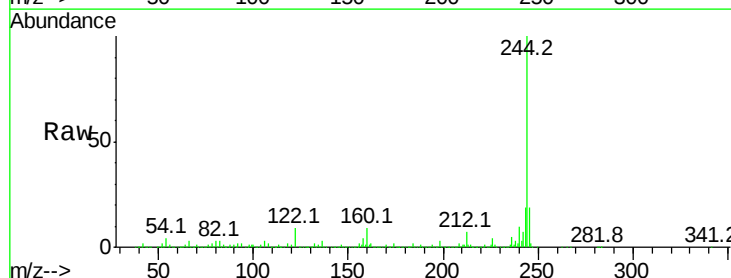
Tgt Ion:244 Resp: 4336107

Ion Ratio Lower Upper

244 100

212 7.4 4.9 7.3#

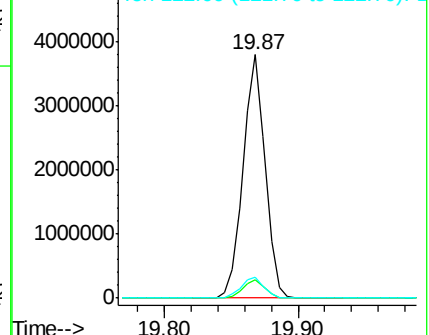
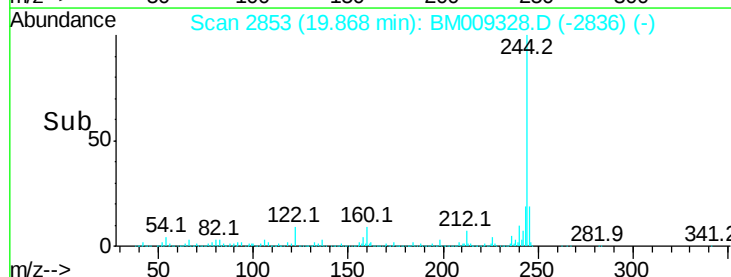
122 8.7 6.2 9.4

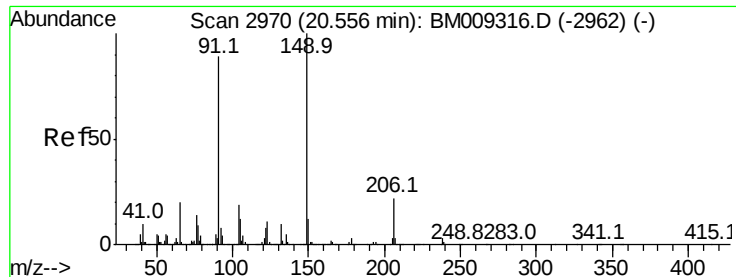


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

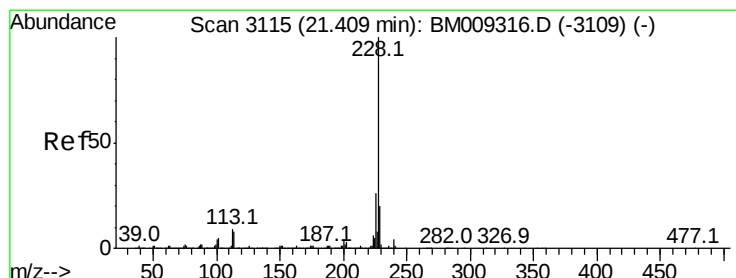
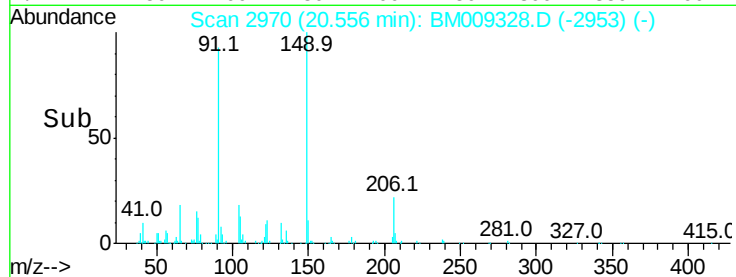
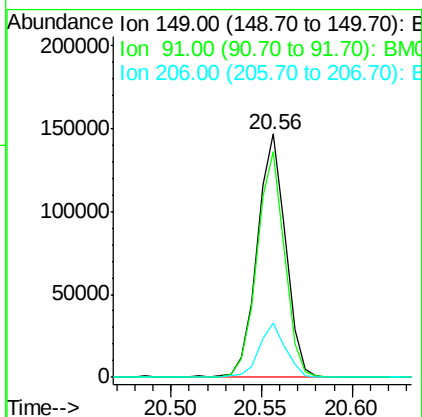
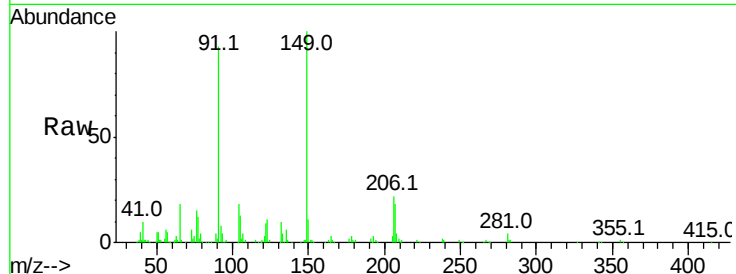




#79
Butylbenzylphthalate
Concen: 6.93 ng
RT: 20.56 min Scan# 2970
Delta R.T. 0.00 min
Lab File: BM009328.D
Acq: 22 Mar 2017 21:11

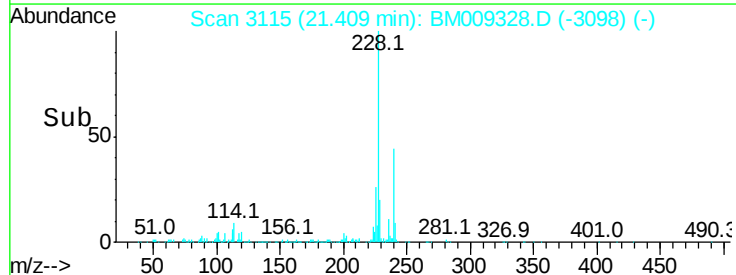
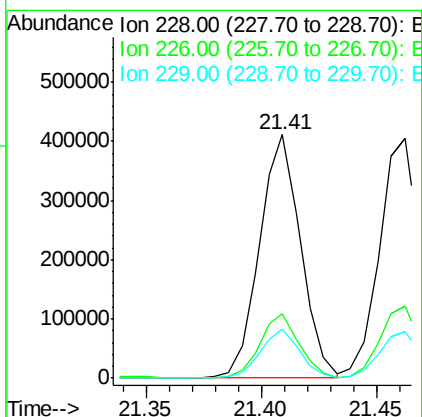
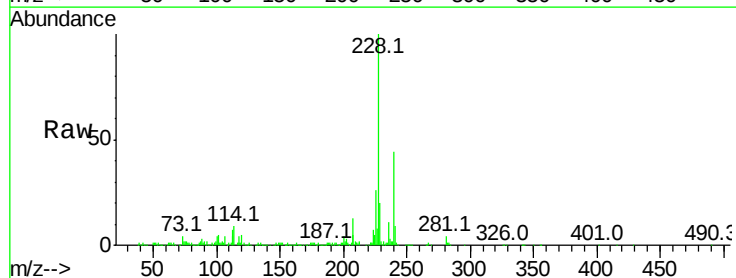
Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT2-2017

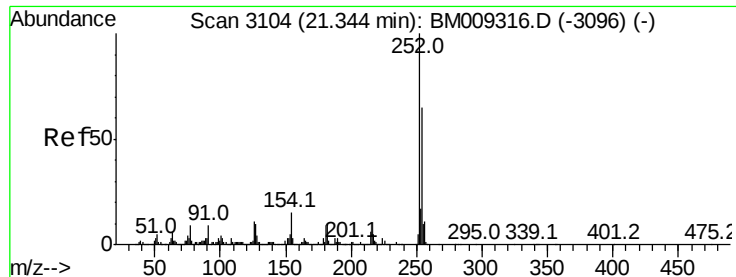
Tot Ion	Ratio	Lower	Upper
149	100		
91	92.7	50.1	75.1#
206	22.3	16.2	24.2



#80
Benzo(a)anthracene
Concen: 7.68 ng
RT: 21.41 min Scan# 3115
Delta R.T. 0.00 min
Lab File: BM009328.D
Acq: 22 Mar 2017 21:11

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.3	21.7	32.5
229	20.1	16.0	24.0

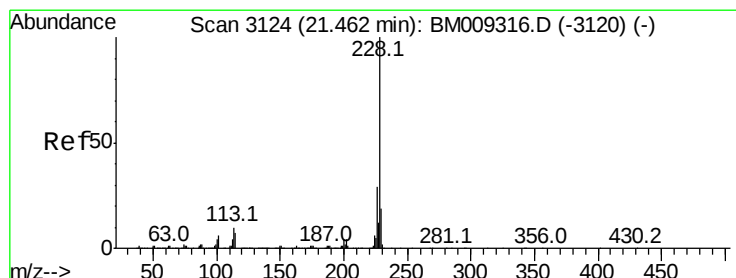
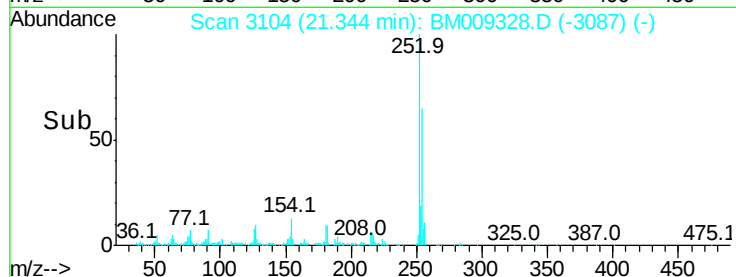
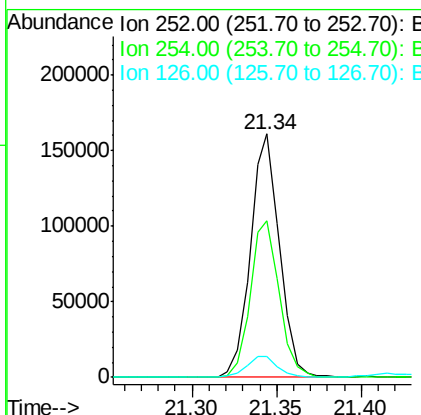
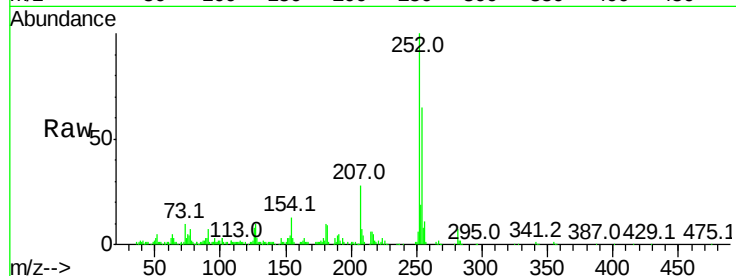




#81
 3,3'-Dichlorobenzidine
 Concen: 7.77 ng
 RT: 21.34 min Scan# 3104
 Delta R.T. 0.00 min
 Lab File: BM009328.D
 Acq: 22 Mar 2017 21:11

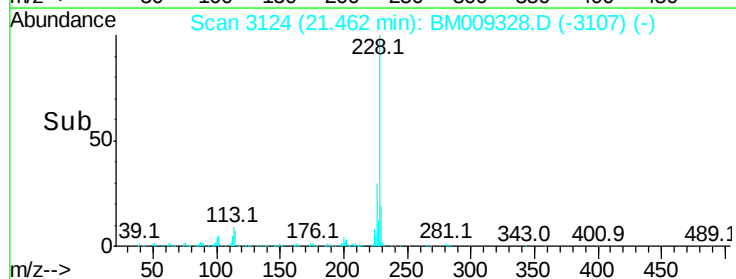
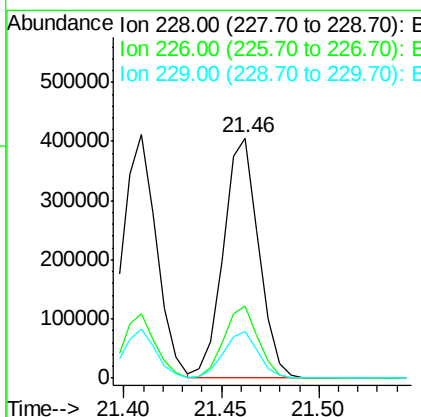
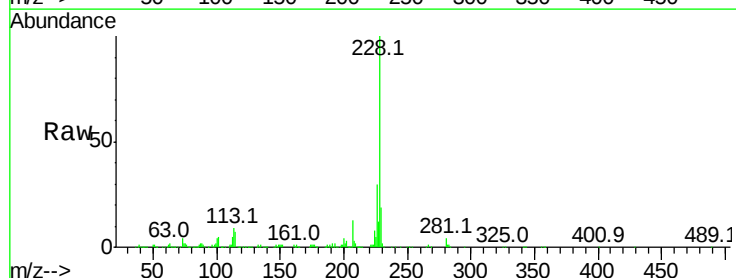
Instrument :
 BNA_M
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

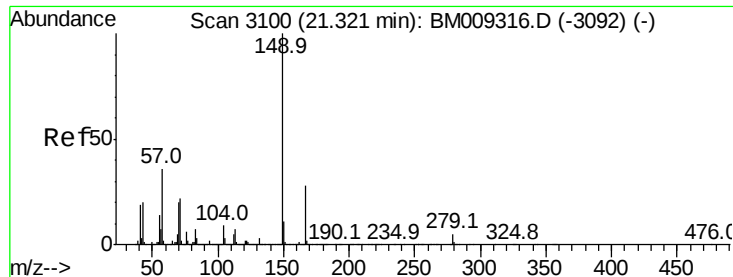
Tot Ion	Ratio	Lower	Upper
252	100		
254	64.6	51.9	77.9
126	8.4	9.8	14.8#



#82
 Chrysene
 Concen: 8.05 ng
 RT: 21.46 min Scan# 3124
 Delta R.T. 0.00 min
 Lab File: BM009328.D
 Acq: 22 Mar 2017 21:11

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.1	36.1
229	19.3	15.5	23.3





#83

Bis(2-ethylhexyl)phthalate

Concen: 6.89 ng

RT: 21.32 min Scan# 3100

Delta R.T. 0.00 min

Lab File: BM009328.D

Acq: 22 Mar 2017 21:11

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

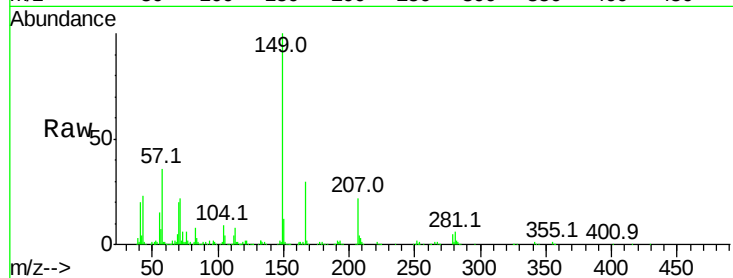
Tot Ion:149 Resp: 236988

Ion Ratio Lower Upper

149 100

167 30.2 22.4 33.6

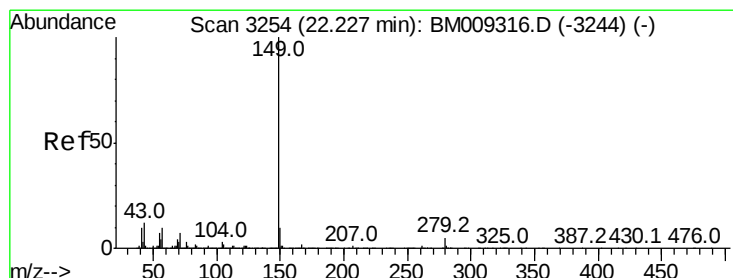
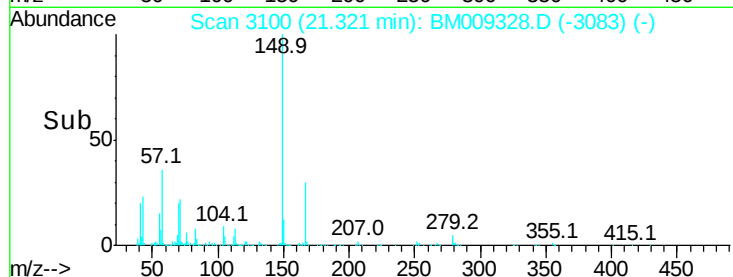
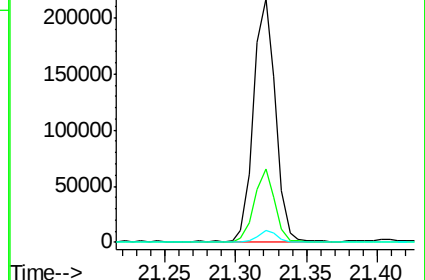
279 5.2 3.4 5.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 7.22 ng

RT: 22.22 min Scan# 3253

Delta R.T. -0.01 min

Lab File: BM009328.D

Acq: 22 Mar 2017 21:11

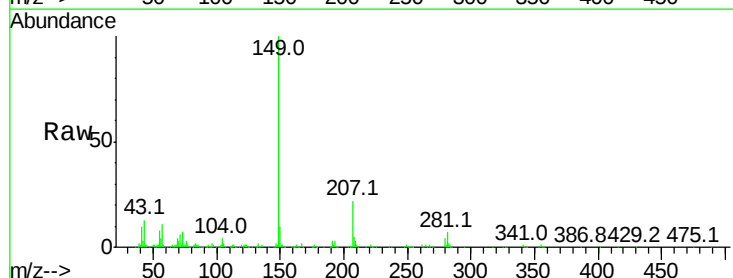
Tgt Ion:149 Resp: 413474

Ion Ratio Lower Upper

149 100

167 1.8 1.2 1.8#

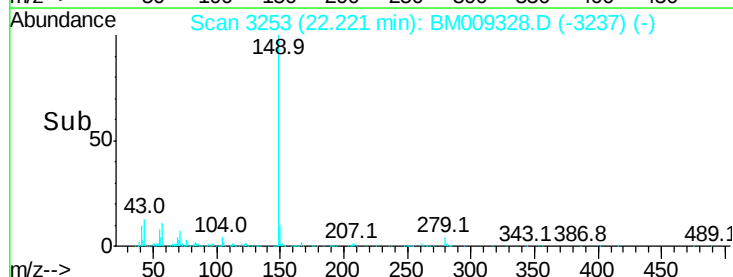
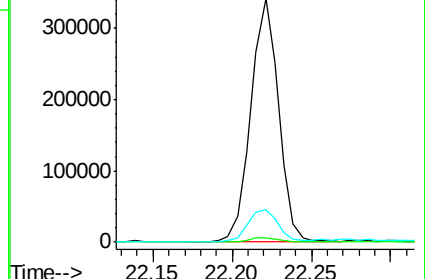
43 14.4 7.3 10.9#

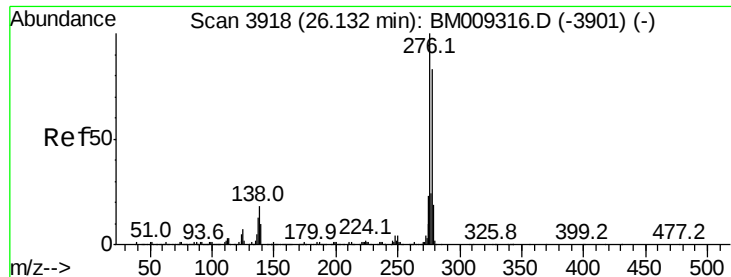


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BM

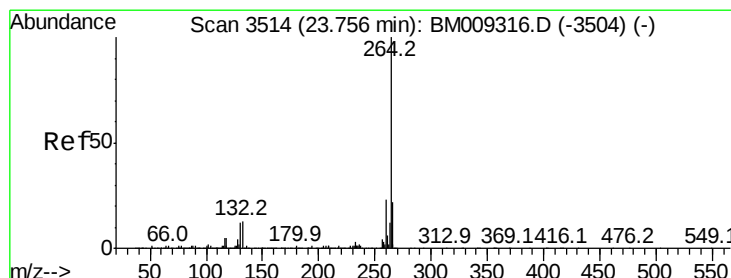
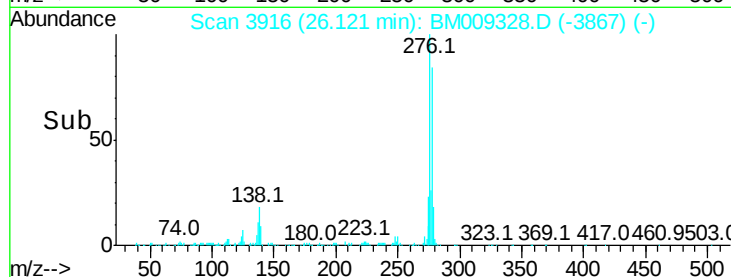
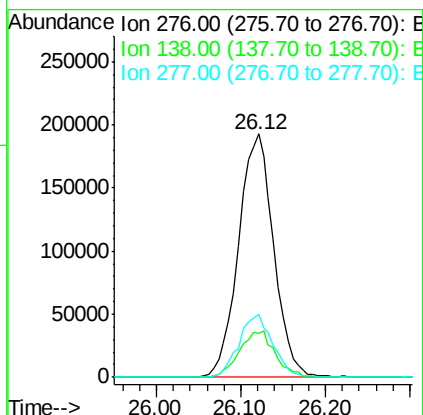
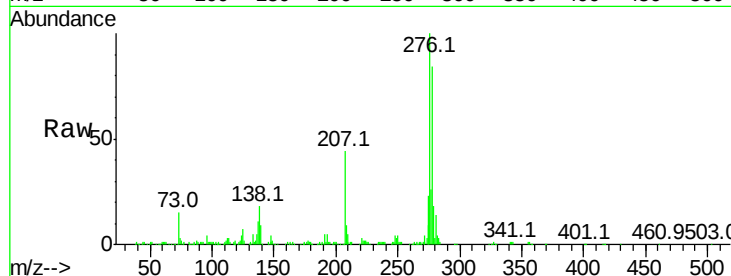




#85
Indeno(1,2,3-cd)pyrene
Concen: 8.11 ng
RT: 26.12 min Scan# 3916
Delta R.T. -0.01 min
Lab File: BM009328.D
Acq: 22 Mar 2017 21:11

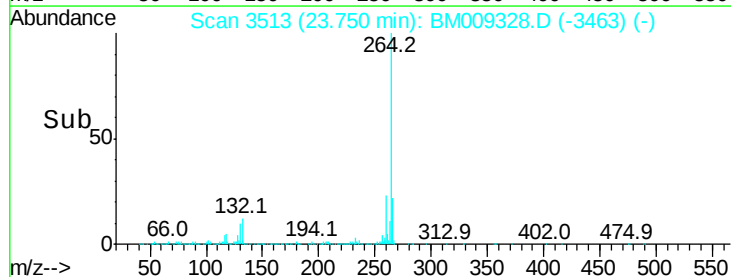
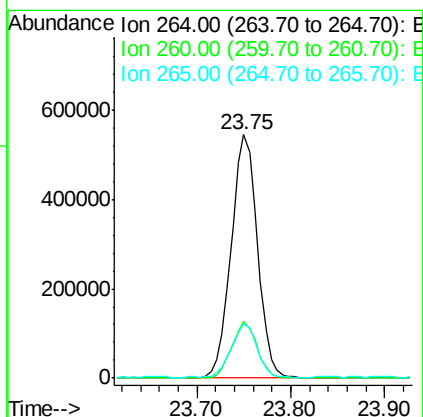
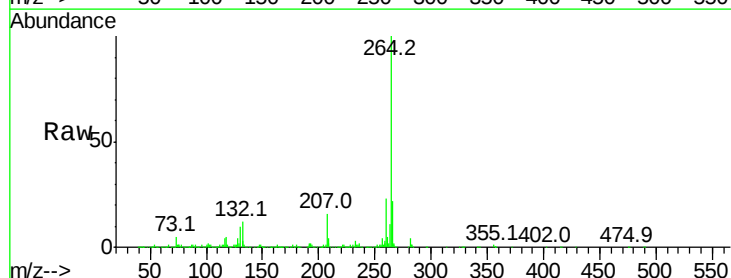
Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT2-2017

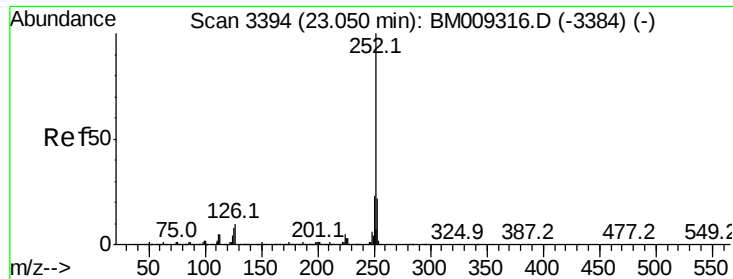
Tot Ion:276 Resp: 556863
Ion Ratio Lower Upper
276 100
138 19.3 0.0 0.0#
277 25.0 0.0 0.0#



#86
Perylene-d12
Concen: 20.00 ng
RT: 23.75 min Scan# 3513
Delta R.T. -0.01 min
Lab File: BM009328.D
Acq: 22 Mar 2017 21:11

Tgt Ion:264 Resp: 1061037
Ion Ratio Lower Upper
264 100
260 23.1 18.6 27.8
265 22.0 17.3 25.9

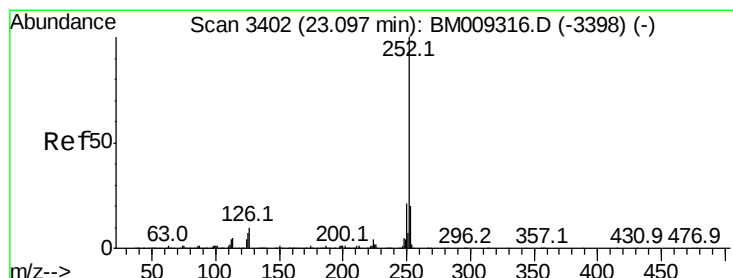
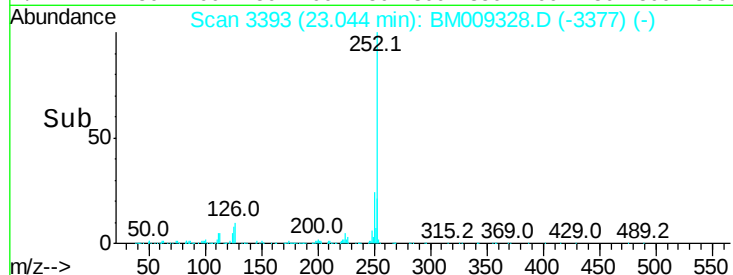
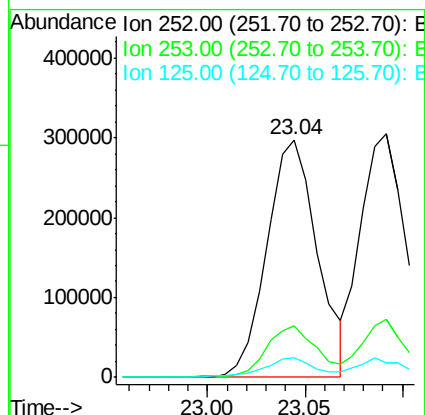
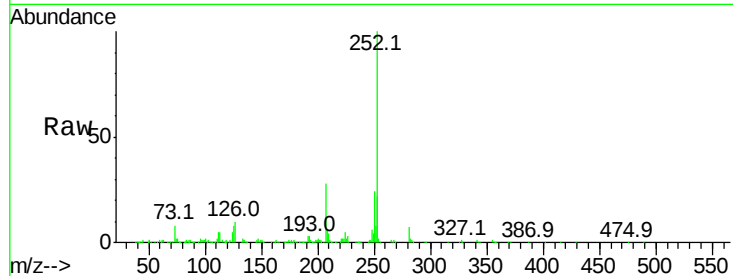




#87
Benzo(b)fluoranthene
Concen: 7.92 ng
RT: 23.04 min Scan# 3393
Delta R.T. -0.01 min
Lab File: BM009328.D
Acq: 22 Mar 2017 21:11

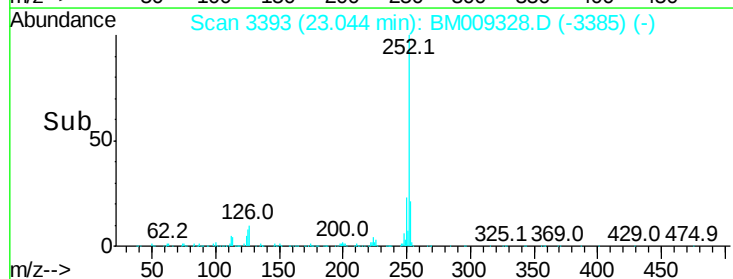
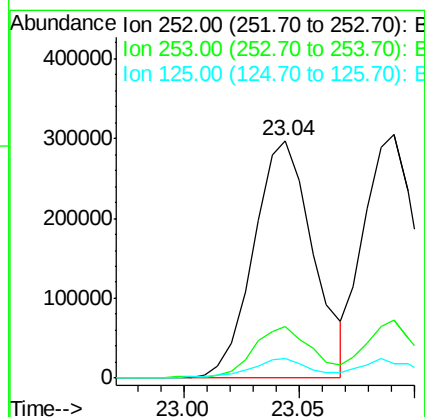
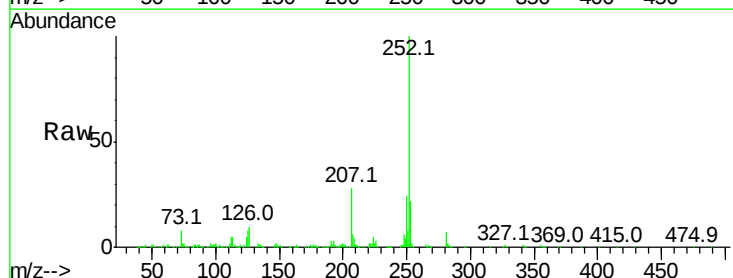
Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT2-2017

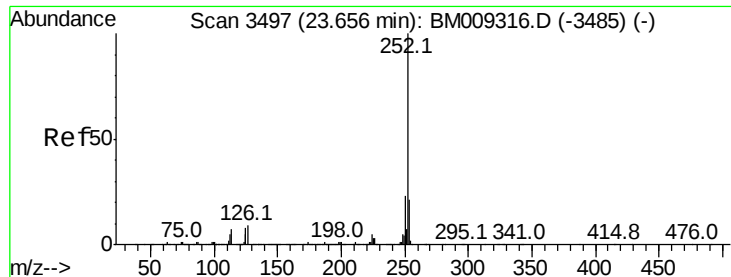
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.5	18.0	27.0
125	8.4	9.9	14.9#



#88
Benzo(k)fluoranthene
Concen: 8.16 ng
RT: 23.04 min Scan# 3393
Delta R.T. -0.05 min
Lab File: BM009328.D
Acq: 22 Mar 2017 21:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.2	25.8
125	8.4	8.1	12.1





#89

Benzo(a)pyrene

Concen: 7.58 ng

RT: 23.64 min Scan# 3495

Delta R.T. -0.01 min

Lab File: BM009328.D

Acq: 22 Mar 2017 21:11

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

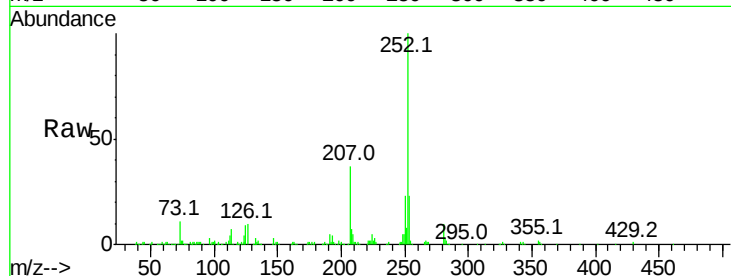
Tot Ion:252 Resp: 471944

Ion Ratio Lower Upper

252 100

253 22.6 17.6 26.4

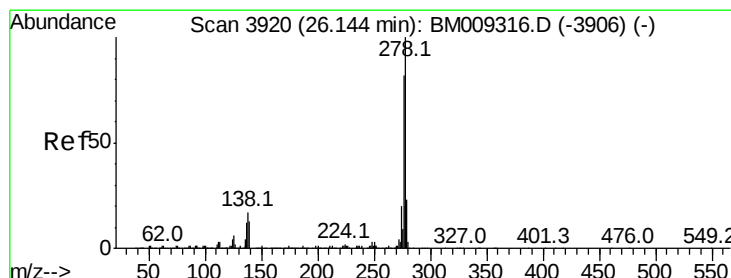
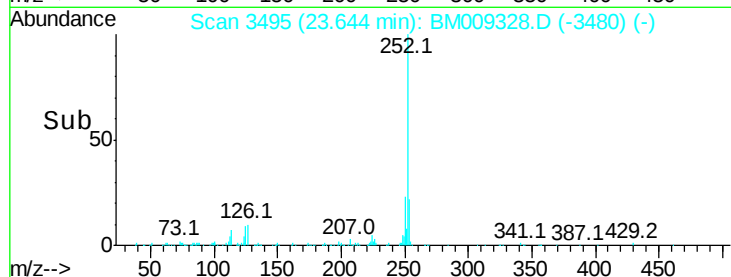
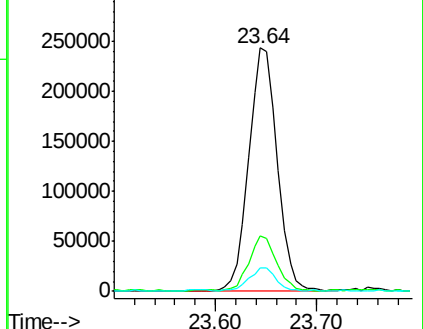
125 9.5 7.4 11.2



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: 7.76 ng

RT: 26.13 min Scan# 3917

Delta R.T. -0.02 min

Lab File: BM009328.D

Acq: 22 Mar 2017 21:11

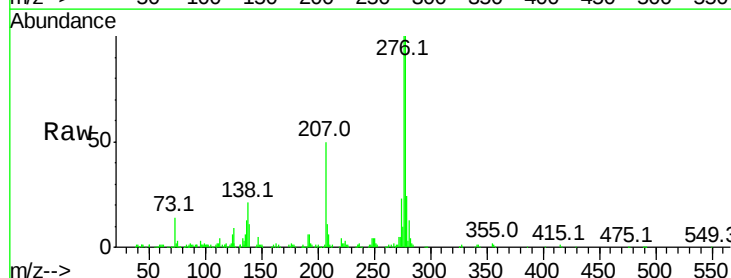
Tgt Ion:278 Resp: 473538

Ion Ratio Lower Upper

278 100

139 10.7 13.4 20.0#

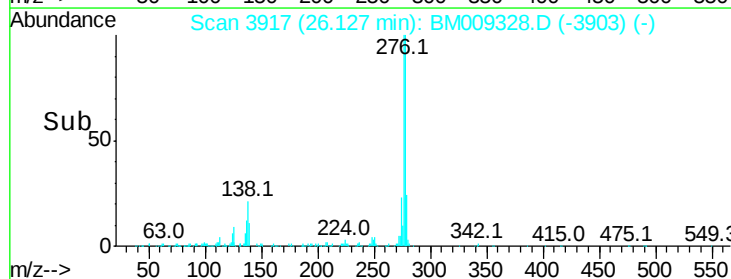
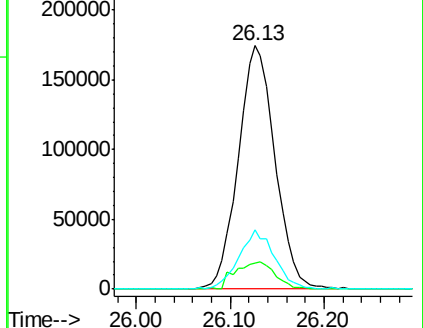
279 24.1 19.0 28.4

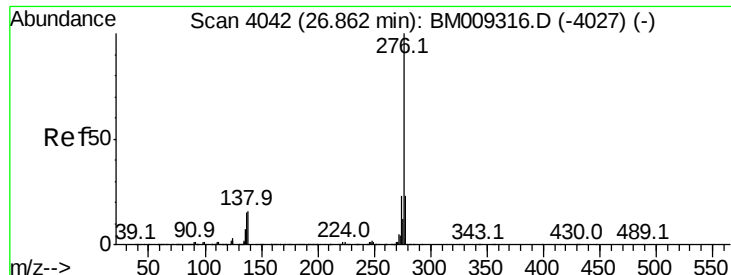


Abundance Ion 278.00 (277.70 to 278.70): E

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: 7.80 ng

RT: 26.84 min Scan# 4039

Delta R.T. -0.02 min

Lab File: BM009328.D

Acq: 22 Mar 2017 21:11

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

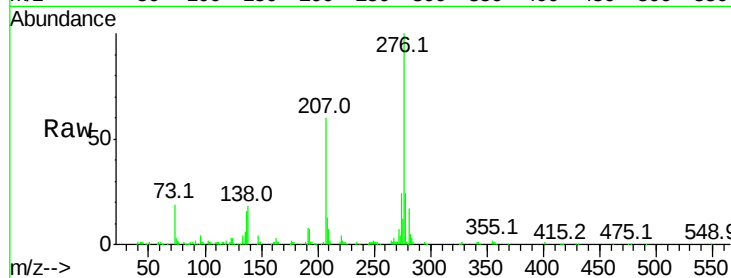
Tot Ion:276 Resp: 464131

Ion Ratio Lower Upper

276 100

277 23.8 18.5 27.7

138 18.2 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

