

Data Path : Z:\HPCHEM1\BNA M\DATA\BM032217\
 Data File : BM009325.D
 Acq On : 22 Mar 2017 19:23
 Operator : SJ/MA
 Sample : I2296-01
 Misc : LOD 1 PPB
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Mar 23 04:08:43 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	152315	20.00	ng	0.00
21) Naphthalene-d8	10.66	136	542764	20.00	ng	0.00
38) Acenaphthene-d10	14.50	164	290094	20.00	ng	0.00
63) Phenanthrene-d10	17.25	188	649336	20.00	ng	0.00
75) Chrysene-d12	21.43	240	800685	20.00	ng	0.00
86) Perylene-d12	23.75	264	750972	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	1290646	141.24	ng	0.00
7) Phenol-d6	7.02	99	1746276	140.14	ng	0.00
23) Nitrobenzene-d5	9.03	82	1366088	94.37	ng	0.00
41) 2,4,6-Tribromophenol	15.99	330	529089	146.81	ng	0.00
44) 2-Fluorobiphenyl	13.12	172	2355362	97.83	ng	0.00
78) Terphenyl-d14	19.87	244	3163561	82.56	ng	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	3.37	88	5930	1.29	ng	# 100
3) Pyridine	3.79	79	10791	0.83	ng	# 73
4) n-Nitrosodimethylamine	3.70	42	5816	0.84	ng	# 41
6) Aniline	7.19	93	15332	0.91	ng	# 87
8) 2-Chlorophenol	7.42	128	10327	1.11	ng	# 49
9) Benzaldehyde	7.01	77	13910	1.42	ng	# 55
10) Phenol	7.05	94	15845	1.17	ng	# 98
11) bis(2-Chloroethyl)ether	7.29	93	11172	1.01	ng	# 83
12) 1,3-Dichlorobenzene	7.75	146	11360	1.02	ng	# 74
13) 1,4-Dichlorobenzene	7.90	146	11937	1.04	ng	# 96
14) 1,2-Dichlorobenzene	8.21	146	11746	1.06	ng	# 81
15) Benzyl Alcohol	8.10	79	9754	0.90	ng	# 77
16) 2,2'-oxybis(1-Chloropropan	8.39	45	18589	0.97	ng	# 97
17) 2-Methylphenol	8.30	107	7672	0.87	ng	# 87
18) Hexachloroethane	8.94	117	4229	0.90	ng	# 72
19) n-Nitroso-di-n-propylamine	8.66	70	8630	0.86	ng	# 97
20) 3+4-Methylphenols	8.62	107	10895	0.91	ng	# 79
22) Acetophenone	8.68	105	15084	0.99	ng	# 83
24) Nitrobenzene	9.07	77	16434	1.16	ng	# 97
25) Isophorone	9.59	82	20358	0.92	ng	# 79
26) 2-Nitrophenol	9.79	139	3894	0.91	ng	# 69
27) 2,4-Dimethylphenol	9.82	122	7079	0.90	ng	# 97
28) bis(2-Chloroethoxy)methane	10.07	93	12141	0.89	ng	# 94
29) 2,4-Dichlorophenol	10.30	162	7216	0.88	ng	# 80
30) 1,2,4-Trichlorobenzene	10.52	180	10685	1.05	ng	# 91
31) Naphthalene	10.71	128	30842	1.07	ng	# 97
32) Benzoic acid	9.92	122	661	0.12	ng	# 30
33) 4-Chloroaniline	10.83	127	10751	0.97	ng	# 80
34) Hexachlorobutadiene	10.98	225	7776	1.12	ng	# 88
35) Caprolactam	11.61	113	1252	0.50	ng	# 84
36) 4-Chloro-3-methylphenol	11.93	107	6781	0.73	ng	# 92
37) 2-Methylnaphthalene	12.32	142	20018	1.01	ng	# 85
39) 1,2,4,5-Tetrachlorobenzene	12.68	216	11265	1.03	ng	# 100
40) Hexachlorocyclopentadiene	12.66	237	4606	0.73	ng	# 97

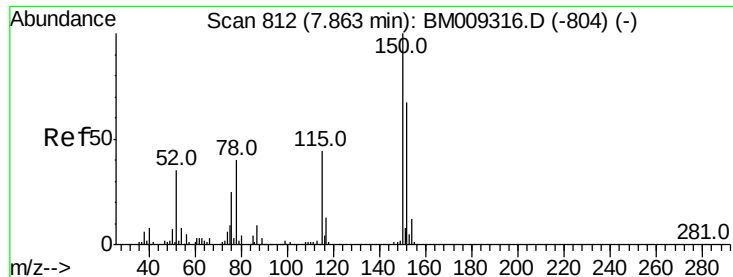
Data Path : Z:\HPCHEM1\BNA M\DATA\BM032217\
 Data File : BM009325.D
 Acq On : 22 Mar 2017 19:23
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 22 16:43:02 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	12.93	196	4689	0.75	nq	# 67
43) 2,4,5-Trichlorophenol	13.00	196	5104	0.73	nq	# 79
45) 1,1'-Biphenyl	13.33	154	32282	1.34	nq	99
46) 2-Chloronaphthalene	13.38	162	19752	1.05	nq	95
47) 2-Nitroaniline	13.59	65	5114	0.74	nq	# 64
48) Acenaphthylene	14.23	152	26661	0.87	nq	# 96
49) Dimethylphthalate	13.96	163	22516	1.01	nq	# 99
50) 2,6-Dinitrotoluene	14.08	165	3663	0.76	nq	# 24
51) Acenaphthene	14.56	154	18206	0.99	nq	# 79
52) 3-Nitroaniline	14.42	138	2707	0.57	nq	# 59
53) 2,4-Dinitrophenol	14.63	184	608	5.64	nq	# 60
54) Dibenzofuran	14.90	168	27375	1.00	nq	# 96
55) 4-Nitrophenol	14.72	139	1021	0.26	nq	# 39
56) 2,4-Dinitrotoluene	14.87	165	4936	0.76	nq	# 90
57) Fluorene	15.55	166	23272	0.95	nq	89
58) 2,3,4,6-Tetrachlorophenol	15.12	232	4353	0.74	nq	# 100
59) Diethylphthalate	15.32	149	21091	0.93	nq	98
60) 4-Chlorophenyl-phenylether	15.54	204	11718	0.92	nq	# 90
61) 4-Nitroaniline	15.59	138	3364	0.65	nq	# 35
62) Azobenzene	15.84	77	19289	0.73	nq	86
64) 4,6-Dinitro-2-methylphenol	15.63	198	1812	0.44	nq	# 78
65) n-Nitrosodiphenylamine	15.76	169	16871	0.86	nq	93
66) 4-Bromophenyl-phenylether	16.44	248	7782	1.03	nq	# 77
67) Hexachlorobenzene	16.54	284	9001	1.09	nq	# 87
68) Atrazine	16.71	200	5279	0.71	nq	79
69) Pentachlorophenol	16.90	266	3519	0.70	nq	96
70) Phenanthrene	17.29	178	37884	1.02	nq	# 93
71) Anthracene	17.38	178	33567	0.89	nq	98
72) Carbazole	17.66	167	30061	0.83	nq	# 93
73) Di-n-butylphthalate	18.20	149	26327	0.72	nq	# 92
74) Fluoranthene	19.30	202	39000	0.89	nq	95
76) Benzidine	19.49	184	11999	0.50	nq	98
77) Pyrene	19.67	202	40517	0.89	nq	97
79) Butylbenzylphthalate	20.56	149	12723	0.78	nq	# 85
80) Benzo(a)anthracene	21.41	228	45972	0.98	nq	97
81) 3,3'-Dichlorobenzidine	21.34	252	13691	0.78	nq	# 90
82) Chrysene	21.46	228	42969	0.96	nq	95
83) Bis(2-ethylhexyl)phthalate	21.32	149	18928	0.78	nq	# 91
84) Di-n-octyl phthalate	22.22	149	27495	0.68	nq	# 78
85) Indeno(1,2,3-cd)pyrene	26.11	276	46858	0.96	nq	# 100
87) Benzo(b)fluoranthene	23.04	252	46390	0.97	nq	97
88) Benzo(k)fluoranthene	23.09	252	45644	1.00	nq	# 95
89) Benzo(a)pyrene	23.64	252	43532	0.99	nq	98
90) Dibenzo(a,h)anthracene	26.14	278	42069	0.97	nq	99
91) Benzo(g,h,i)perylene	26.84	276	40981	0.97	nq	95

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

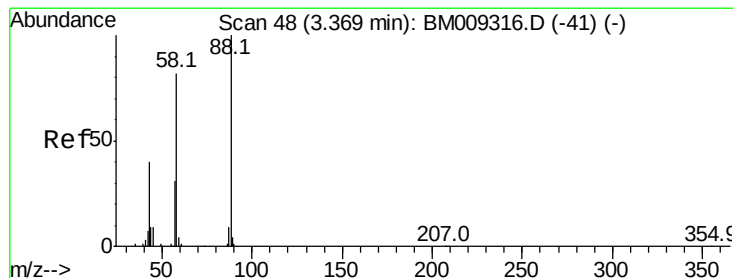
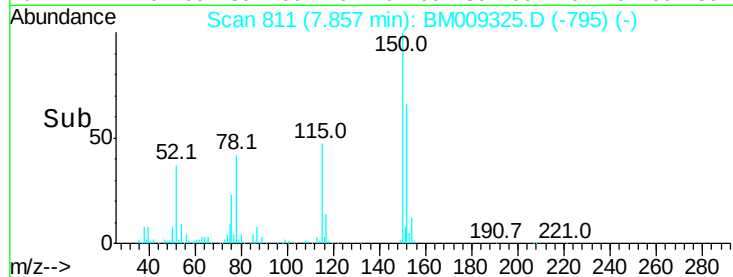
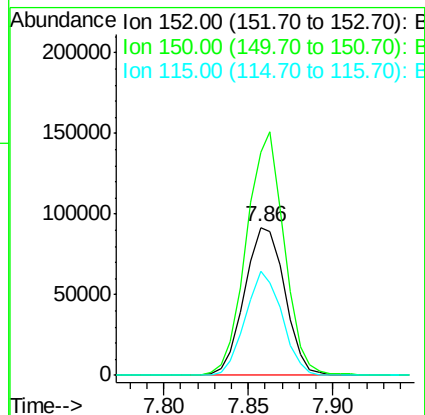
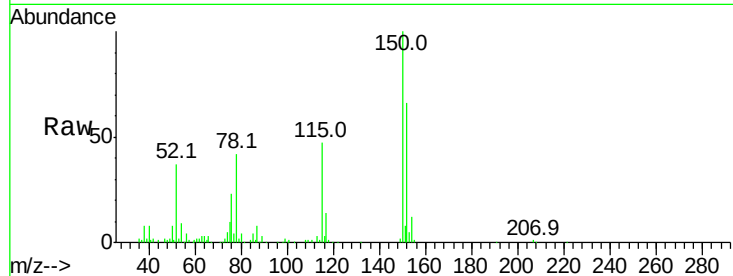


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BM009325.D
Acq: 22 Mar 2017 19:23

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

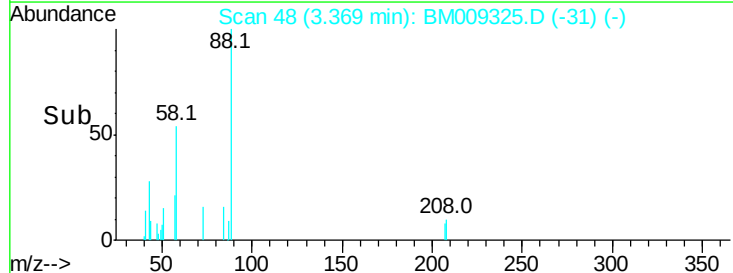
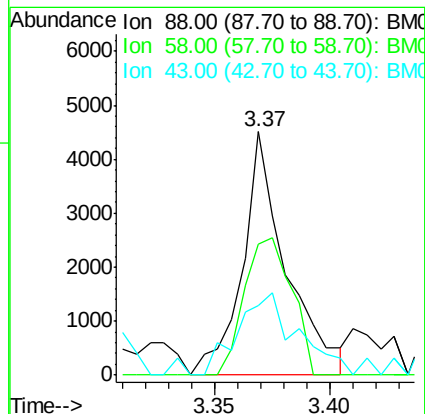
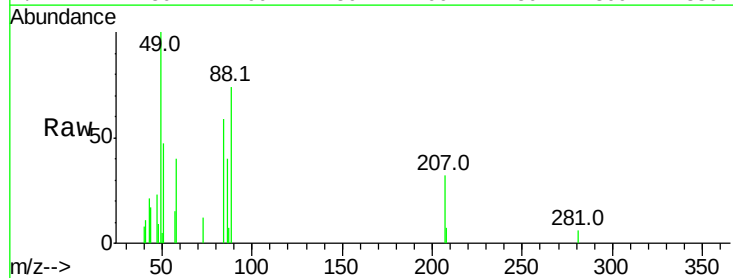
Tot Ion:152 Resp: 152315
Ion Ratio Lower Upper
152 100
150 150.9 119.5 179.3
115 70.7 43.0 64.4#

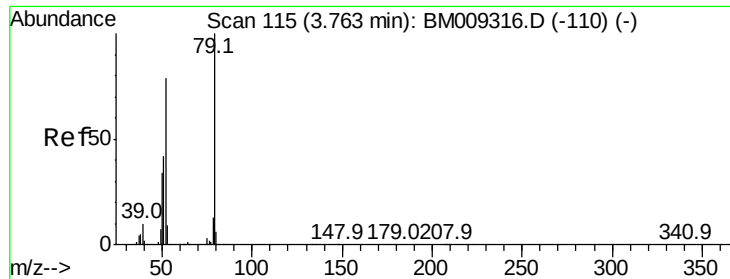


#2

1,4-Dioxane
Concen: 1.29 ng
RT: 3.37 min Scan# 48
Delta R.T. -0.00 min
Lab File: BM009325.D
Acq: 22 Mar 2017 19:23

Tgt Ion: 88 Resp: 5930
Ion Ratio Lower Upper
88 100
58 61.3 0.0 0.0#
43 46.2 0.0 0.0#





#3

Pvridine

Concen: 0.83 ng

RT: 3.79 min Scan# 120

Delta R.T. 0.03 min

Lab File: BM009325.D

Acq: 22 Mar 2017 19:23

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

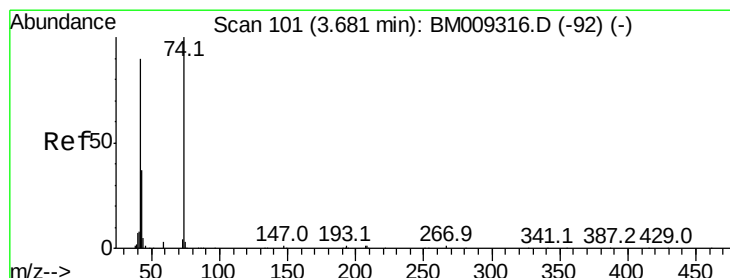
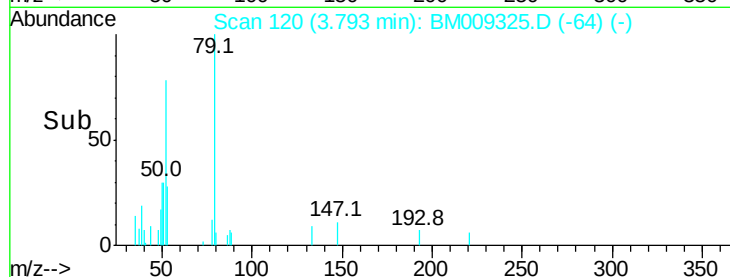
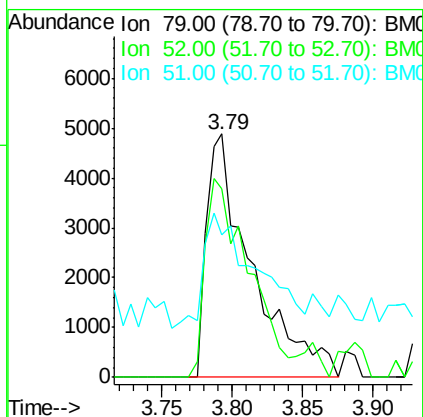
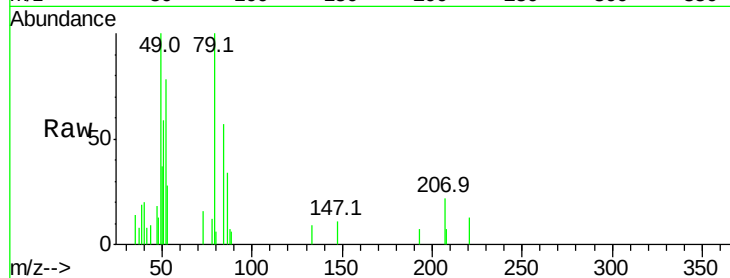
Tot Ion: 79 Resp: 10791

Ion Ratio Lower Upper

79 100

52 77.5 51.1 76.7#

51 58.7 26.1 39.1#



#4

n-Nitrosodimethylamine

Concen: 0.84 ng

RT: 3.70 min Scan# 105

Delta R.T. 0.02 min

Lab File: BM009325.D

Acq: 22 Mar 2017 19:23

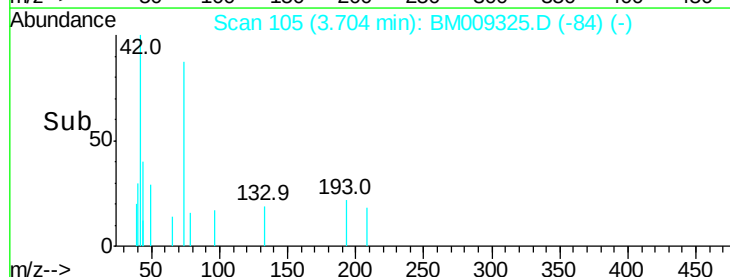
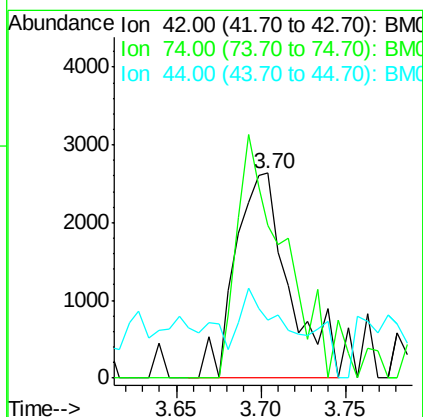
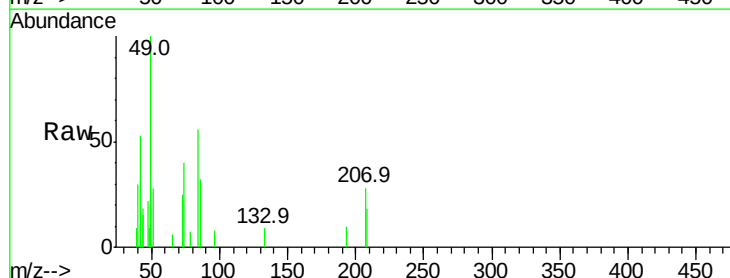
Tgt Ion: 42 Resp: 5816

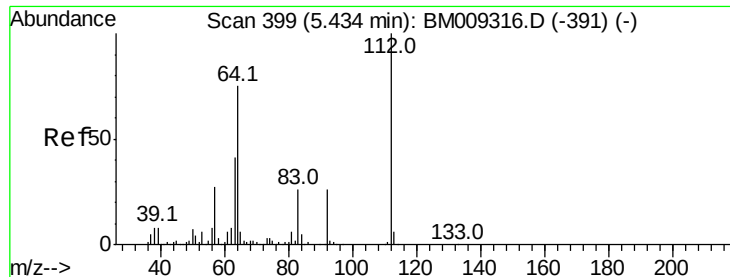
Ion Ratio Lower Upper

42 100

74 74.4 119.3 178.9#

44 28.4 5.4 8.2#





#5

2-Fluorophenol

Concen: 141.24 ng

RT: 5.43 min Scan# 399

Delta R.T. 0.00 min

Lab File: BM009325.D

Acq: 22 Mar 2017 19:23

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

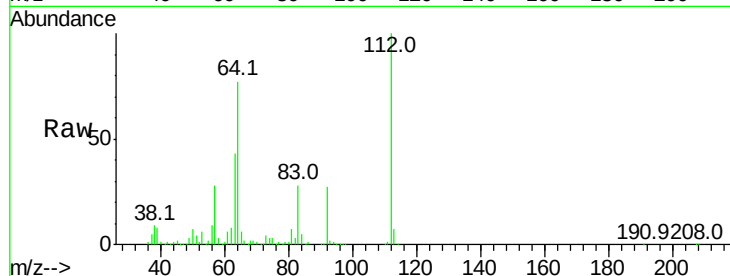
Tot Ion:112 Resp: 1290646

Ion Ratio Lower Upper

112 100

64 76.7 38.6 57.8#

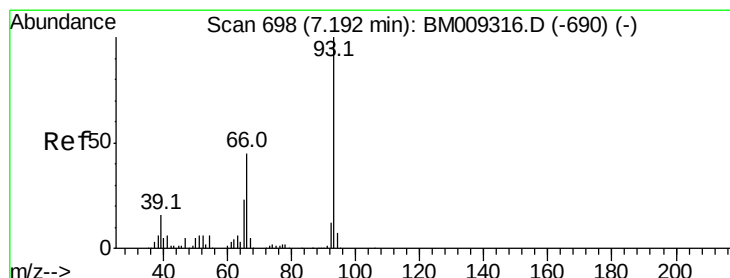
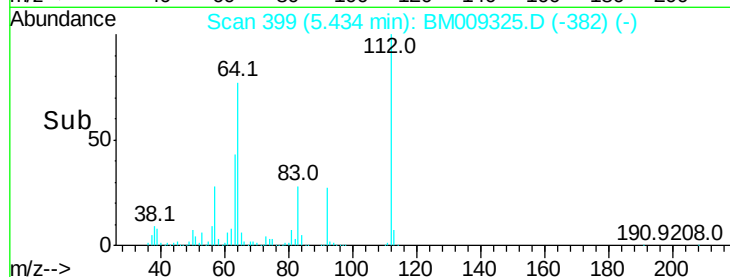
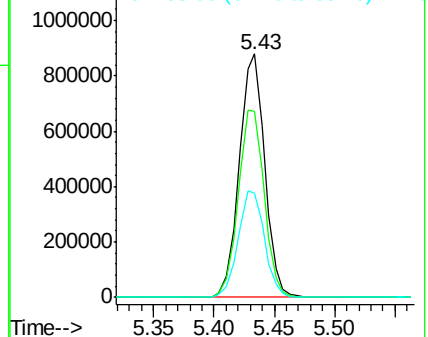
63 42.7 19.3 28.9#



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): B

Ion 63.00 (62.70 to 63.70): B



#6

Aniline

Concen: 0.91 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.00 min

Lab File: BM009325.D

Acq: 22 Mar 2017 19:23

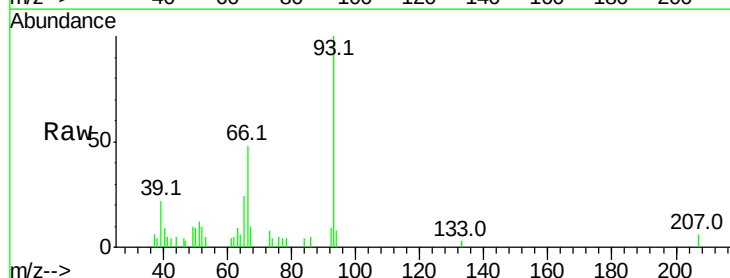
Tgt Ion: 93 Resp: 15332

Ion Ratio Lower Upper

93 100

66 48.4 30.8 46.2#

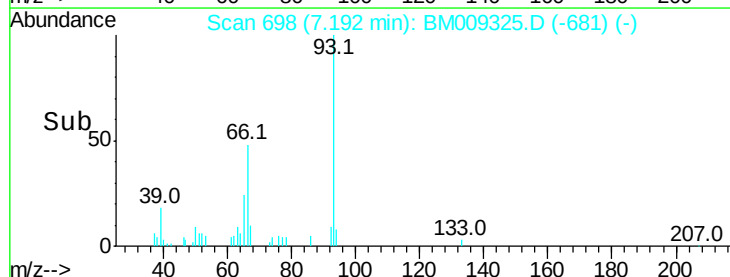
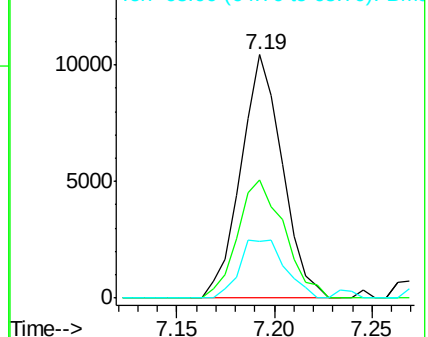
65 23.6 16.0 24.0

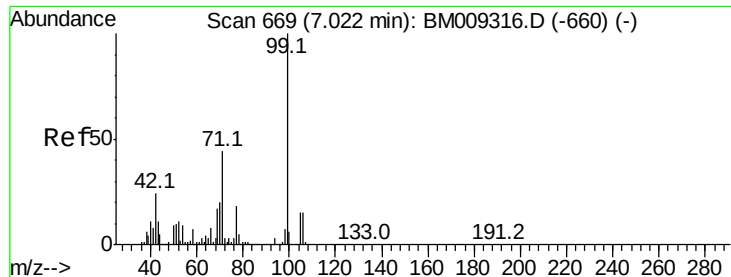


Abundance Ion 93.00 (92.70 to 93.70): B

Ion 66.00 (65.70 to 66.70): B

Ion 65.00 (64.70 to 65.70): B





#7

Phenol-d6

Concen: 140.14 ng

RT: 7.02 min Scan# 668

Delta R.T. -0.01 min

Lab File: BM009325.D

Acq: 22 Mar 2017 19:23

Instrument :

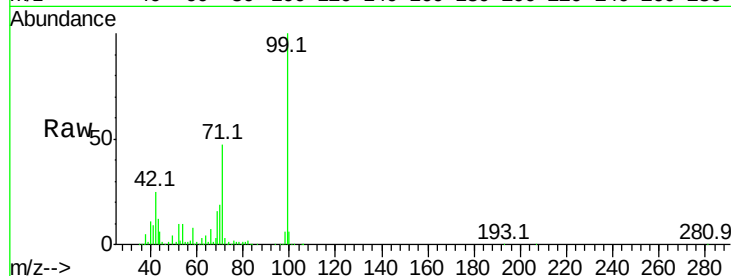
BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

Tot Ion: 99 Resp: 1746276

Ion	Ratio	Lower	Upper
99	100		
42	25.1	11.0	16.4#
71	47.3	23.4	35.2#

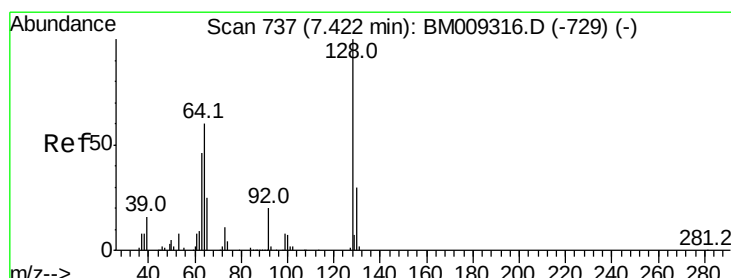
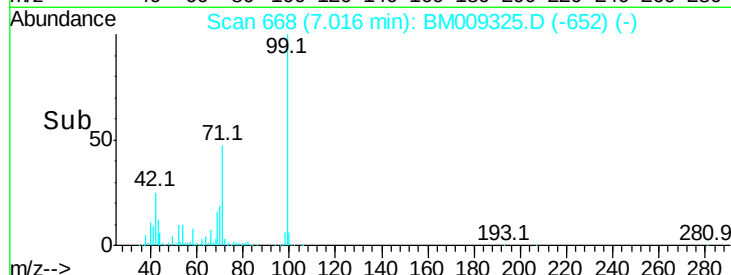


Abundance

Ion 99.00 (98.70 to 99.70): BM0

Ion 42.00 (41.70 to 42.70): BM0

Ion 71.00 (70.70 to 71.70): BM0



#8

2-Chlorophenol

Concen: 1.11 ng

RT: 7.42 min Scan# 736

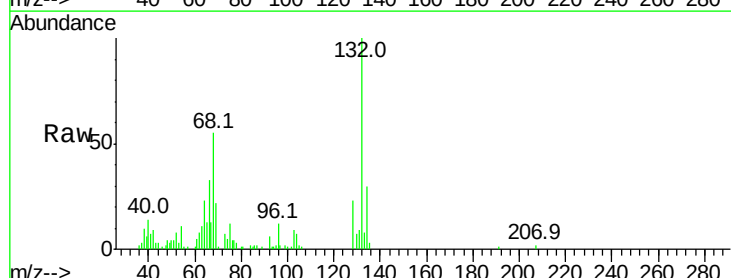
Delta R.T. -0.01 min

Lab File: BM009325.D

Acq: 22 Mar 2017 19:23

Tgt Ion:128 Resp: 10327

Ion	Ratio	Lower	Upper
128	100		
130	29.5	12.0	52.0
64	99.5	24.9	64.9#

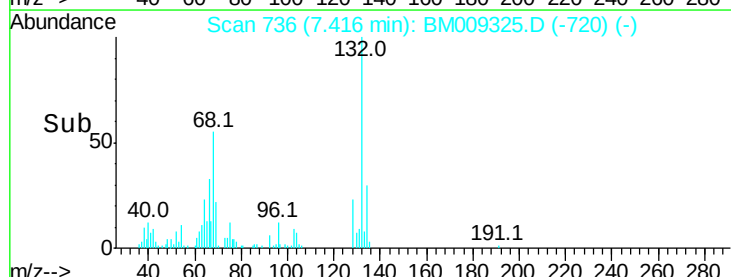


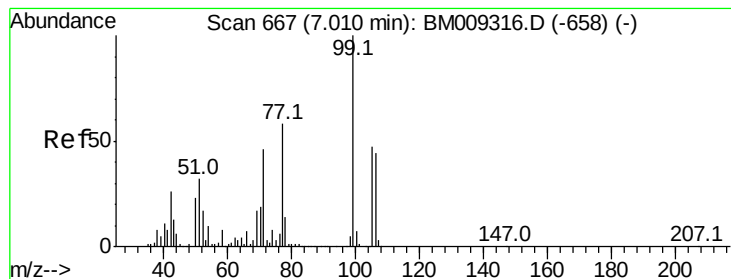
Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BM0





#9

Benzaldehyde

Concen: 1.42 ng

RT: 7.01 min Scan# 667

Delta R.T. 0.00 min

Lab File: BM009325.D

Acq: 22 Mar 2017 19:23

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

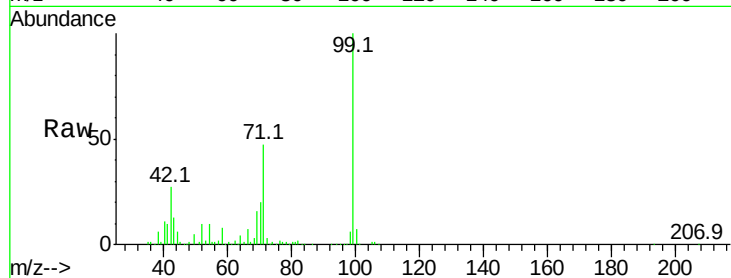
Tot Ion: 77 Resp: 13910

Ion Ratio Lower Upper

77 100

105 57.6 78.8 118.8#

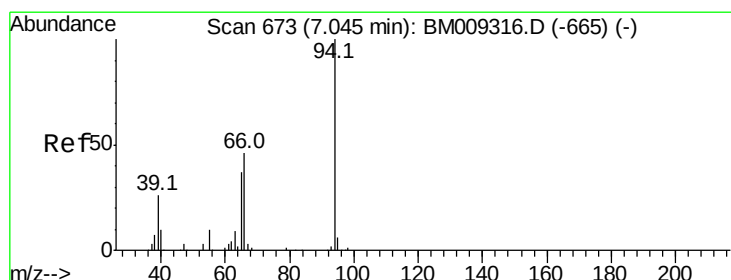
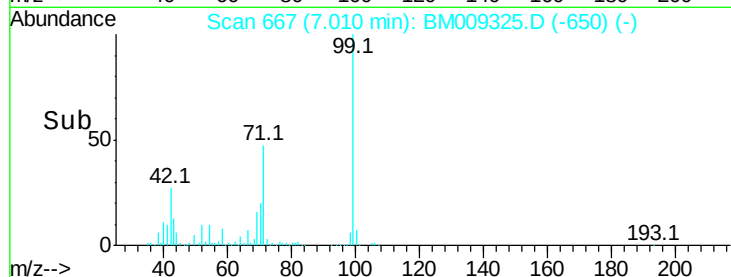
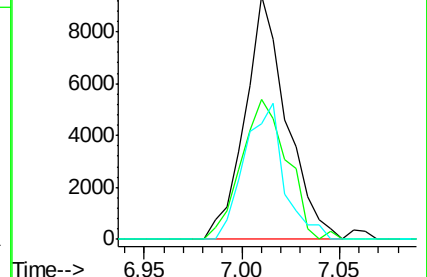
106 47.5 73.7 113.7#



Abundance Ion 77.00 (76.70 to 77.70): BM009316.D (-658) (-)

Ion 105.00 (104.70 to 105.70): BM009316.D (-658) (-)

Ion 106.00 (105.70 to 106.70): BM009316.D (-658) (-)



#10

Phenol

Concen: 1.17 ng

RT: 7.05 min Scan# 673

Delta R.T. -0.00 min

Lab File: BM009325.D

Acq: 22 Mar 2017 19:23

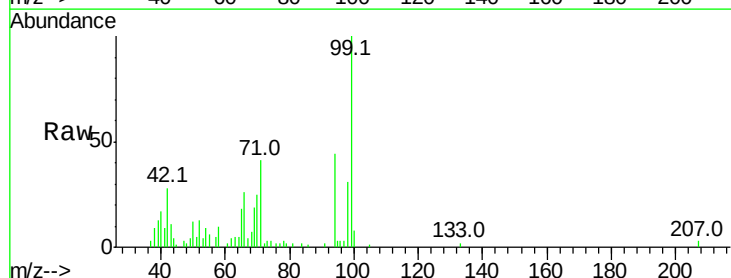
Tgt Ion: 94 Resp: 15845

Ion Ratio Lower Upper

94 100

65 40.8 18.8 58.8

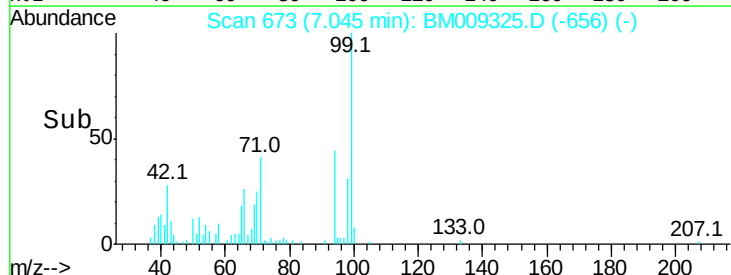
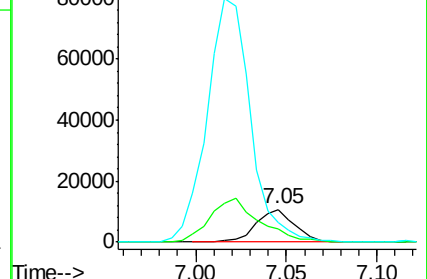
66 58.6 39.9 79.9

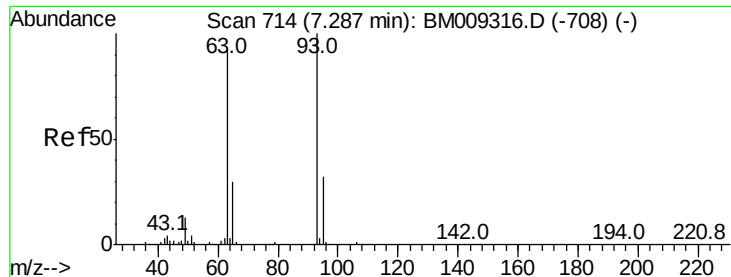


Abundance Ion 94.00 (93.70 to 94.70): BM009316.D (-665) (-)

Ion 65.00 (64.70 to 65.70): BM009316.D (-665) (-)

Ion 66.00 (65.70 to 66.70): BM009316.D (-665) (-)

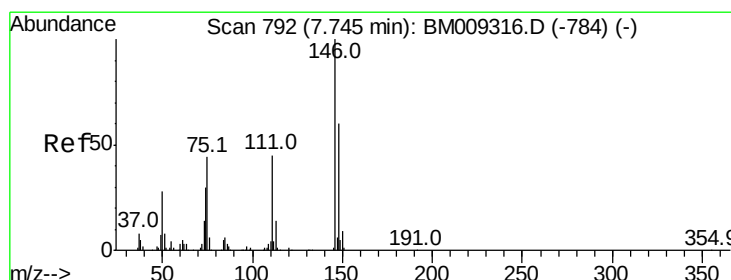
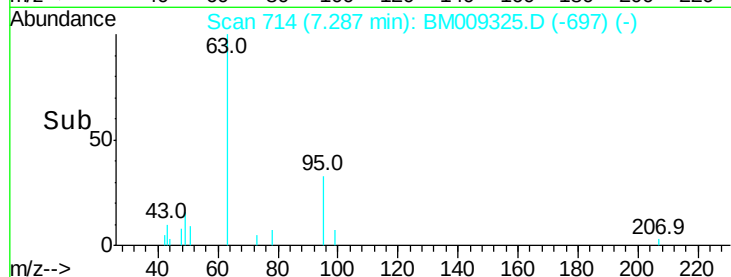
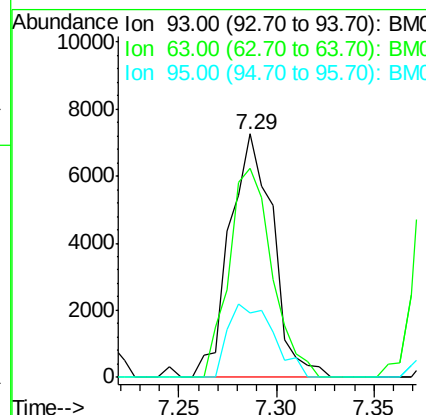
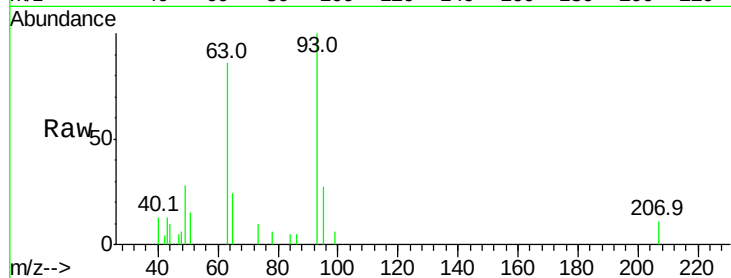




#11
bis(2-Chloroethyl)ether
Concen: 1.01 ng
RT: 7.29 min Scan# 714
Delta R.T. -0.00 min
Lab File: BM009325.D
Acq: 22 Mar 2017 19:23

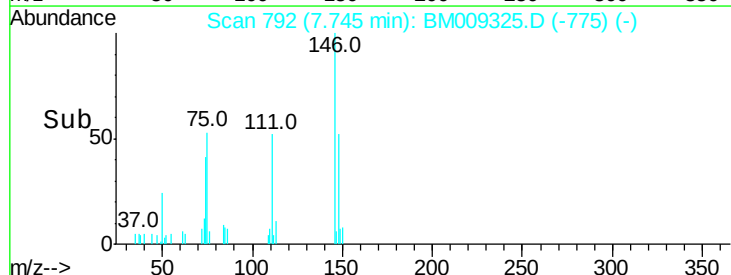
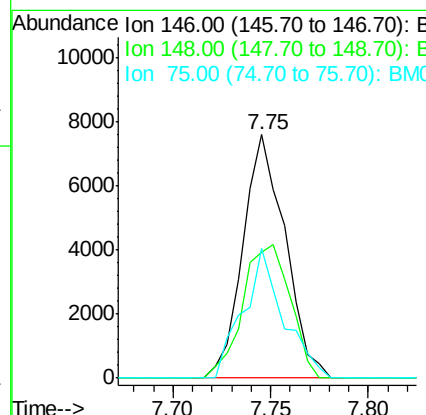
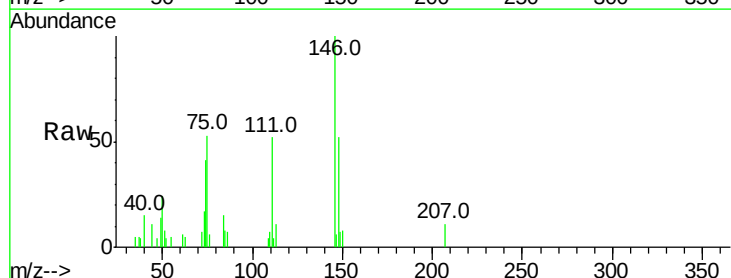
Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT2-2017

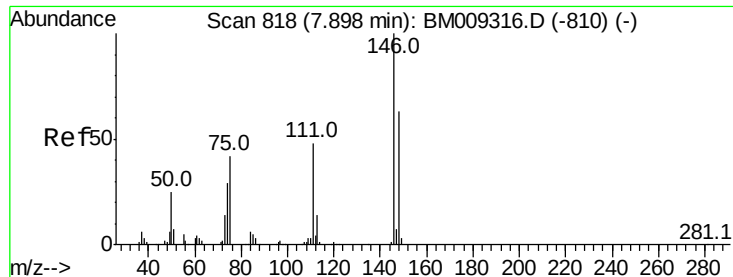
Tot Ion: 93 Resp: 11172
Ion Ratio Lower Upper
93 100
63 85.7 49.5 89.5
95 26.7 13.5 53.5



#12
1,3-Dichlorobenzene
Concen: 1.02 ng
RT: 7.75 min Scan# 792
Delta R.T. -0.00 min
Lab File: BM009325.D
Acq: 22 Mar 2017 19:23

Tgt Ion: 146 Resp: 11360
Ion Ratio Lower Upper
146 100
148 51.6 50.9 76.3
75 53.5 21.4 32.2#

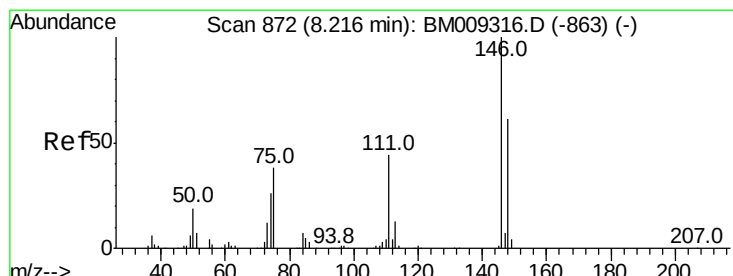
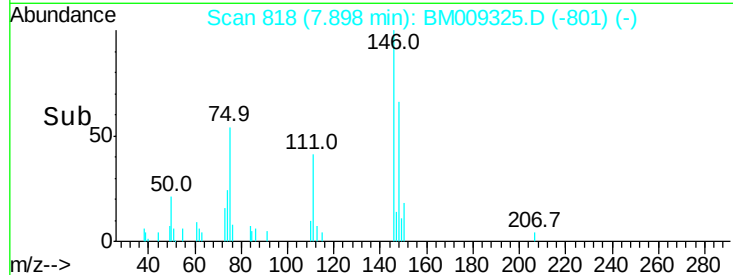
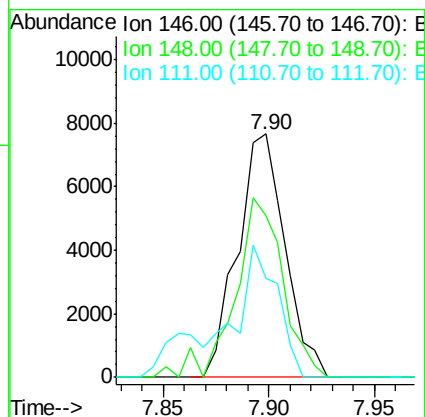
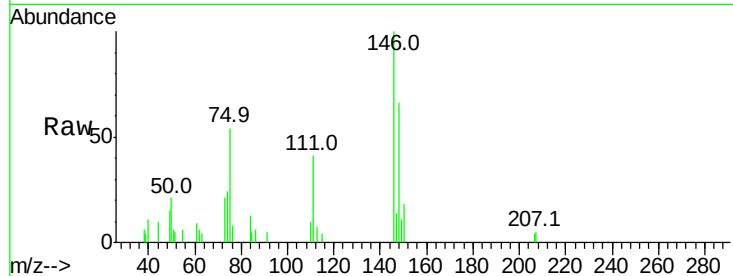




#13
 1,4-Dichlorobenzene
 Concen: 1.04 ng
 RT: 7.90 min Scan# 818
 Delta R.T. -0.00 min
 Lab File: BM009325.D
 Acq: 22 Mar 2017 19:23

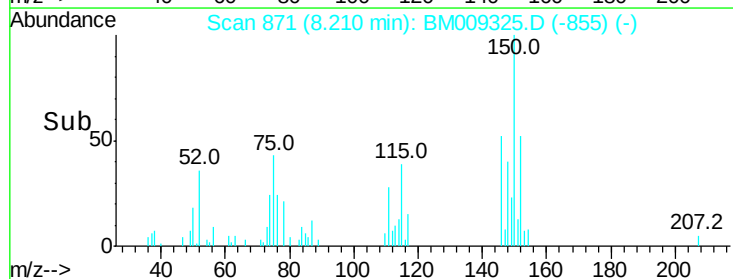
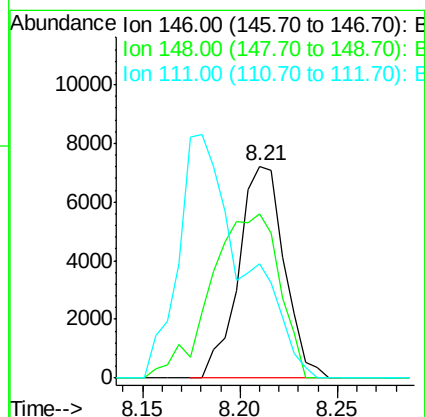
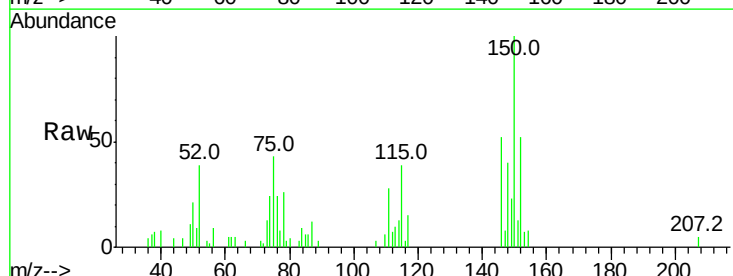
Instrument :
 BNA_M
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

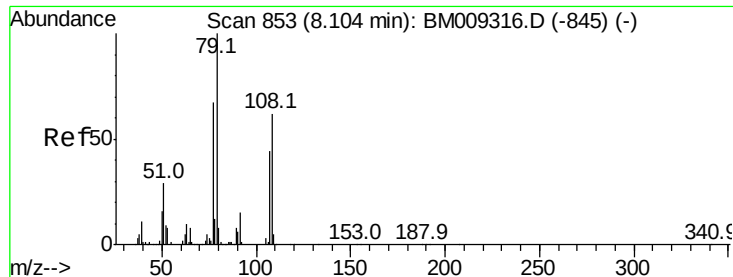
Tot Ion:146 Resp: 11937
 Ion Ratio Lower Upper
 146 100
 148 66.5 51.9 77.9
 111 40.7 29.2 43.8



#14
 1,2-Dichlorobenzene
 Concen: 1.06 ng
 RT: 8.21 min Scan# 871
 Delta R.T. -0.01 min
 Lab File: BM009325.D
 Acq: 22 Mar 2017 19:23

Tgt Ion:146 Resp: 11746
 Ion Ratio Lower Upper
 146 100
 148 77.6 52.3 78.5
 111 54.0 30.6 45.8#





#15

Benzyl Alcohol

Concen: 0.90 ng

RT: 8.10 min Scan# 852

Delta R.T. -0.01 min

Lab File: BM009325.D

Acq: 22 Mar 2017 19:23

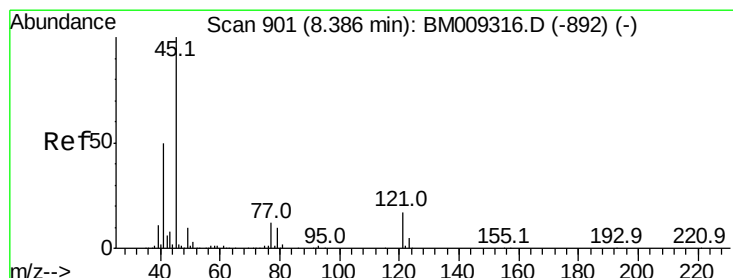
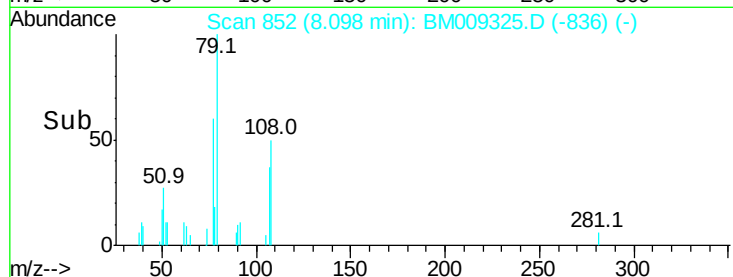
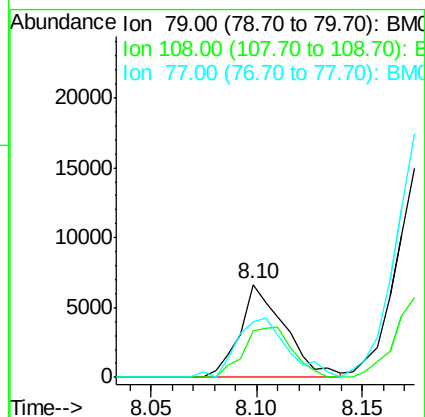
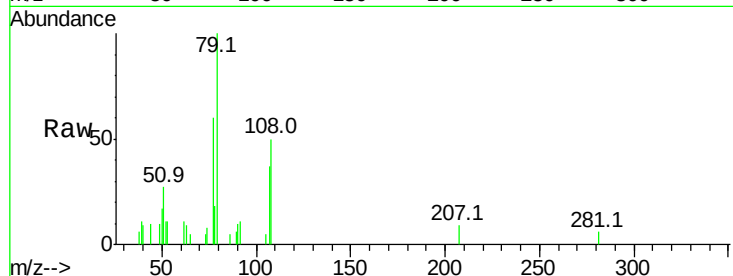
Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

Tot Ion:	79	Resp:	9754
Ion	Ratio	Lower	Upper
79	100		
108	50.3	65.0	97.4#
77	59.9	53.0	79.6



#16

2,2'-oxybis(1-Chloropropane)

Concen: 0.97 ng

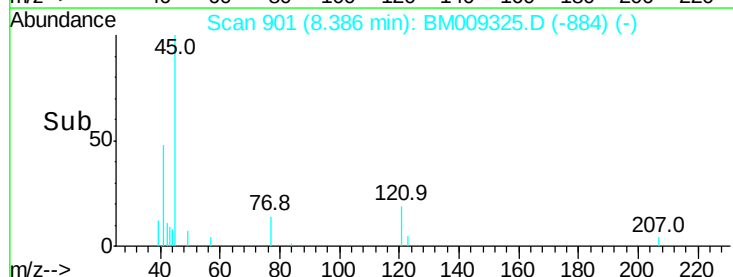
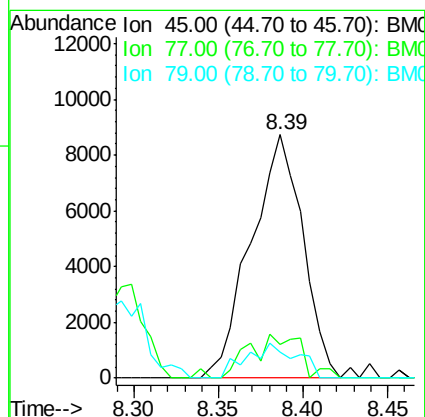
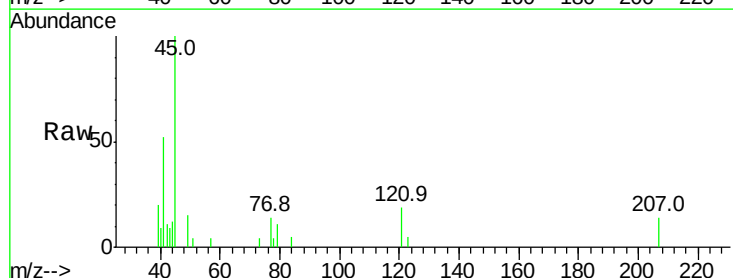
RT: 8.39 min Scan# 901

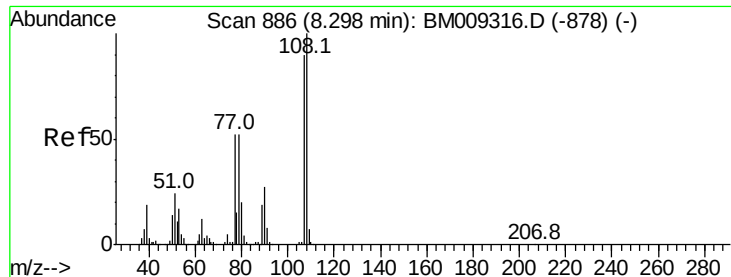
Delta R.T. -0.00 min

Lab File: BM009325.D

Acq: 22 Mar 2017 19:23

Tgt Ion:	45	Resp:	18589
Ion	Ratio	Lower	Upper
45	100		
77	13.9	0.0	35.2
79	10.9	0.0	32.0





#17

2-Methylphenol

Concen: 0.87 ng

RT: 8.30 min Scan# 886

Delta R.T. 0.00 min

Lab File: BM009325.D

Acq: 22 Mar 2017 19:23

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

Tot Ion:107 Resp: 7672

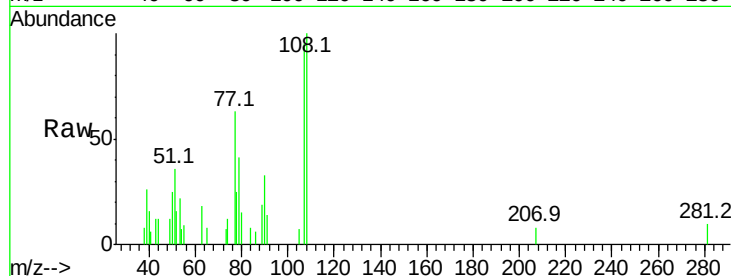
Ion Ratio Lower Upper

107 100

108 105.7 89.8 134.8

77 66.2 32.6 48.8#

79 43.5 32.8 49.2

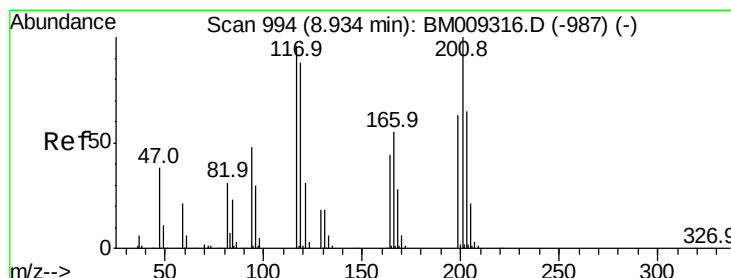
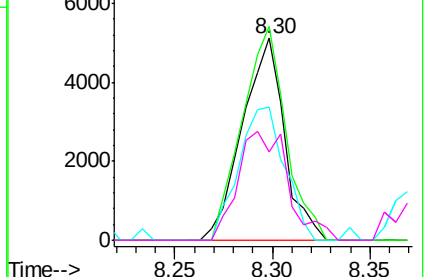
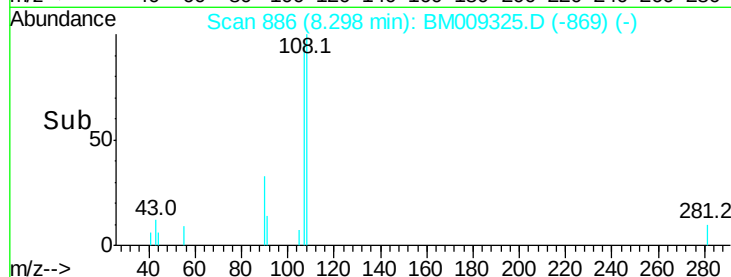


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BM

Ion 79.00 (78.70 to 79.70): BM



#18

Hexachloroethane

Concen: 0.90 ng

RT: 8.94 min Scan# 995

Delta R.T. 0.01 min

Lab File: BM009325.D

Acq: 22 Mar 2017 19:23

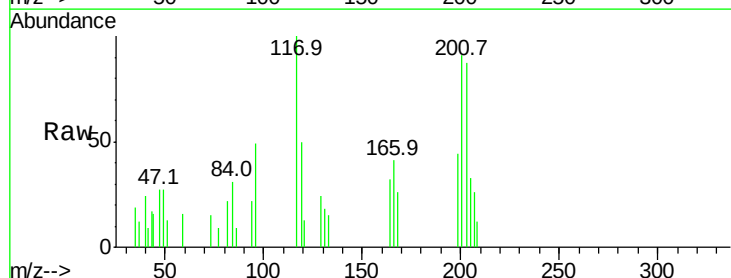
Tgt Ion:117 Resp: 4229

Ion Ratio Lower Upper

117 100

119 50.4 79.2 118.8#

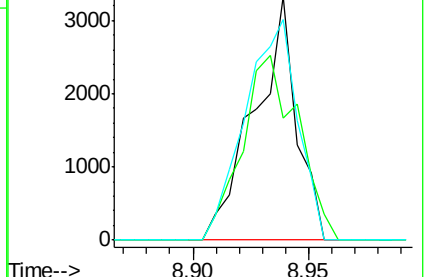
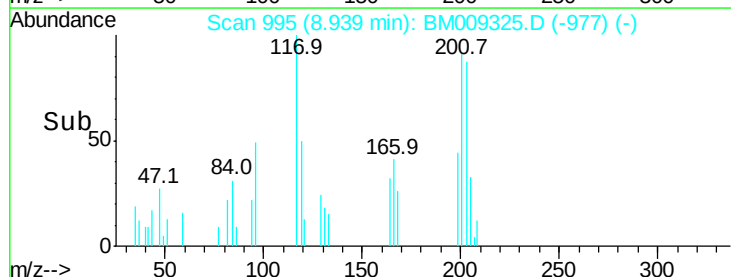
201 90.8 69.8 104.6

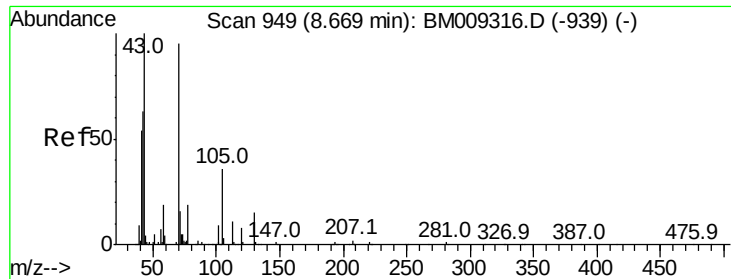


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

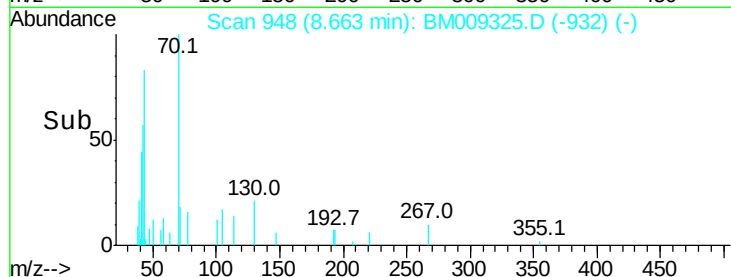
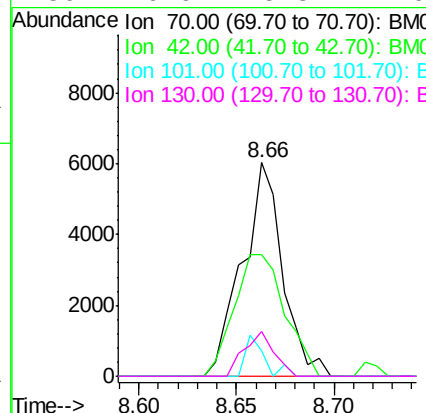
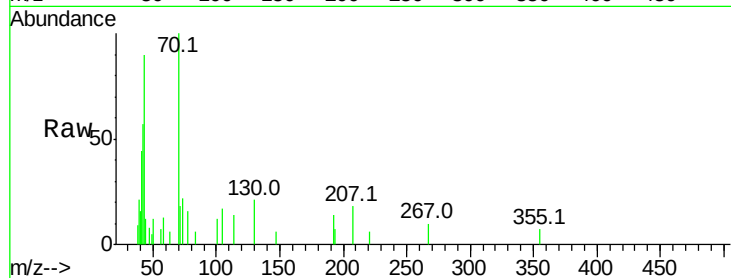




#19
n-Nitroso-di-n-propylamine
Concen: 0.86 ng
RT: 8.66 min Scan# 948
Delta R.T. -0.01 min
Lab File: BM009325.D
Acq: 22 Mar 2017 19:23

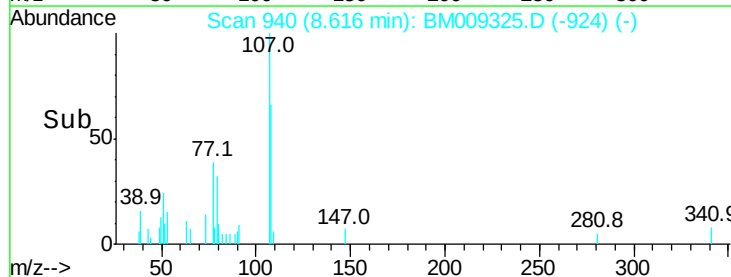
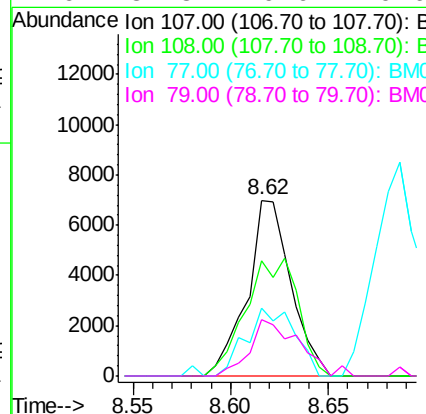
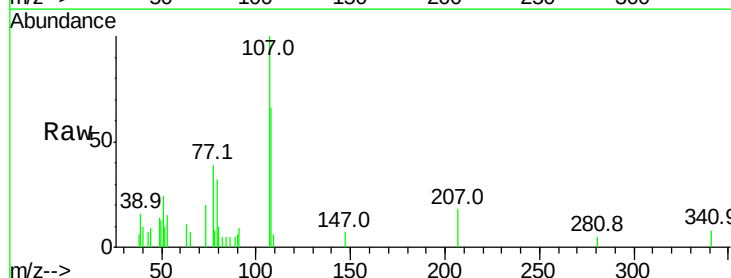
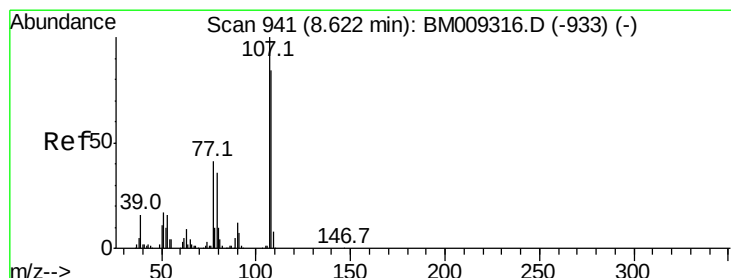
Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT2-2017

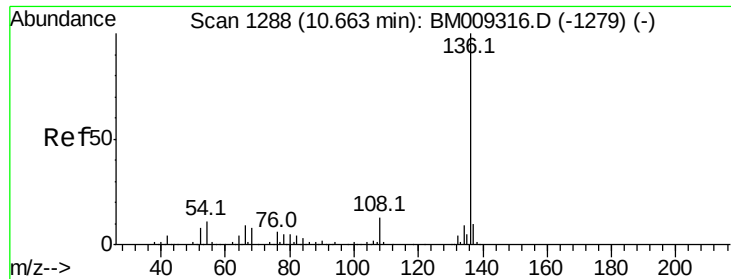
Tot Ion:	70	Resp:	8630
Ion	Ratio	Lower	Upper
70	100		
42	56.9	44.5	66.7
101	11.8	7.4	11.2#
130	20.9	15.3	22.9



#20
3+4-Methylphenols
Concen: 0.91 ng
RT: 8.62 min Scan# 940
Delta R.T. -0.01 min
Lab File: BM009325.D
Acq: 22 Mar 2017 19:23

Tgt Ion:	107	Resp:	10895
Ion	Ratio	Lower	Upper
107	100		
108	65.5	73.2	113.2#
77	38.9	10.7	50.7
79	31.8	9.6	49.6

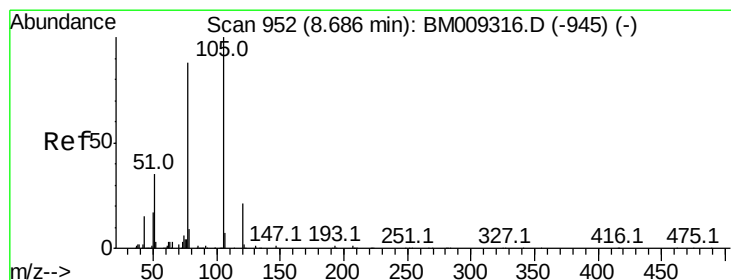
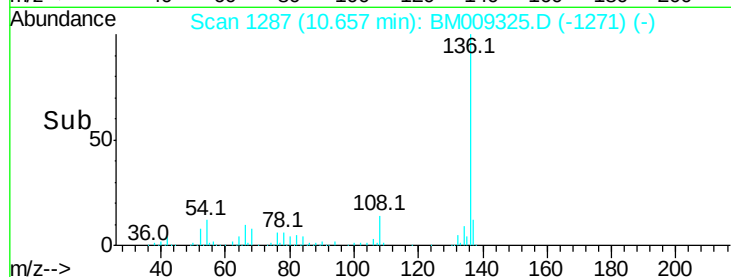
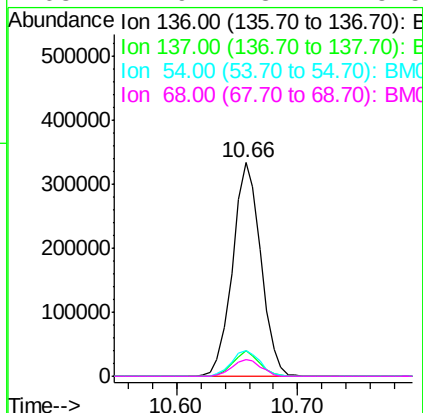
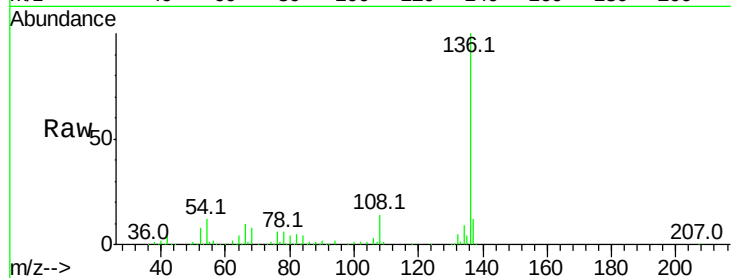




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.66 min Scan# 1287
Delta R.T. -0.01 min
Lab File: BM009325.D
Acq: 22 Mar 2017 19:23

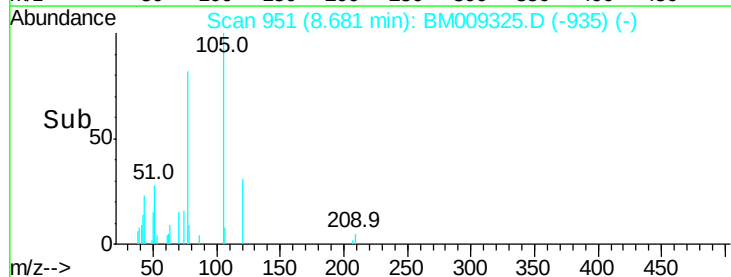
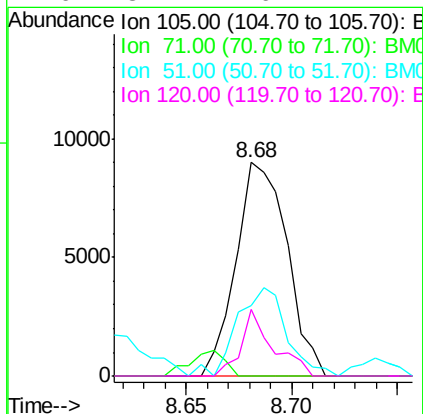
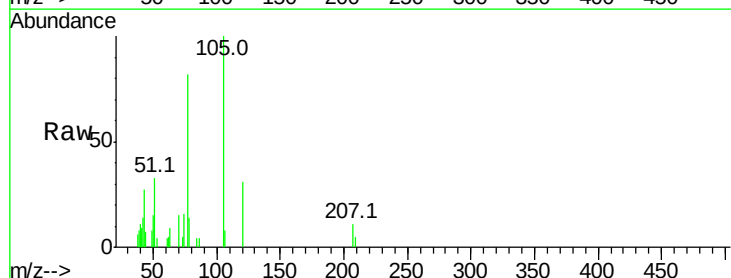
Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT2-2017

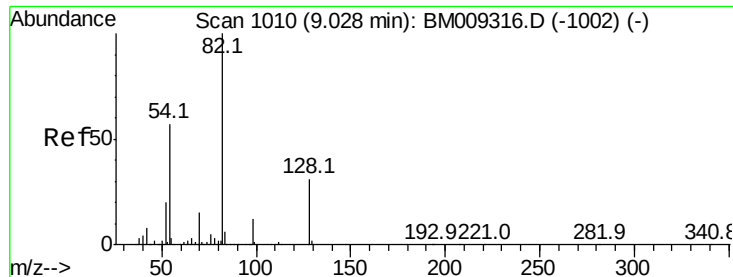
Tot Ion:136	Resp:	542764
Ion	Ratio	Lower Upper
136	100	
137	12.0	8.7 13.1
54	11.7	4.6 6.8#
68	7.9	3.7 5.5#



#22
Acetophenone
Concen: 0.99 ng
RT: 8.68 min Scan# 951
Delta R.T. -0.01 min
Lab File: BM009325.D
Acq: 22 Mar 2017 19:23

Tgt Ion:105	Resp:	15084
Ion	Ratio	Lower Upper
105	100	
71	0.0	0.6 1.0#
51	32.9	21.6 32.4#
120	31.2	16.1 24.1#





#23

Nitrobenzene-d5

Concen: 94.37 ng

RT: 9.03 min Scan# 1010

Delta R.T. 0.00 min

Lab File: BM009325.D

Acq: 22 Mar 2017 19:23

Instrument :

BNA_M

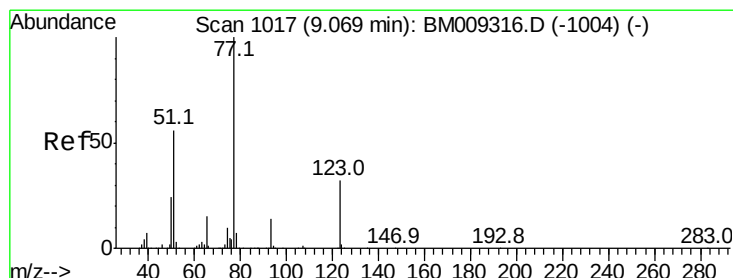
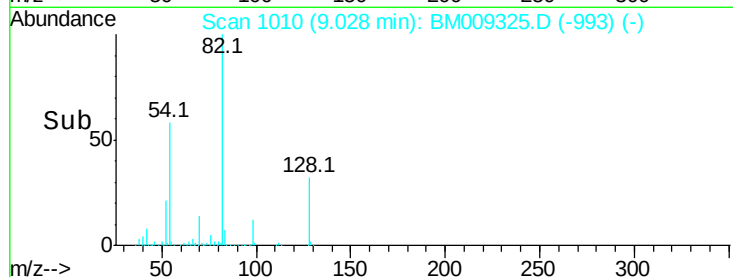
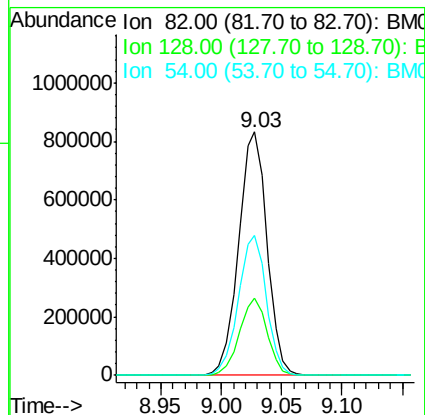
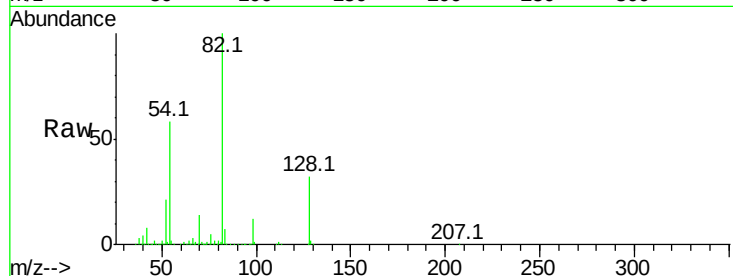
ClientSampleId :

LOD-SOIL-01-QT2-2017

Tot Ion: 82 Resp: 1366088

Ion Ratio Lower Upper

82	100		
128	31.5	32.8	49.2#
54	57.5	40.6	60.8



#24

Nitrobenzene

Concen: 1.16 ng

RT: 9.07 min Scan# 1017

Delta R.T. -0.00 min

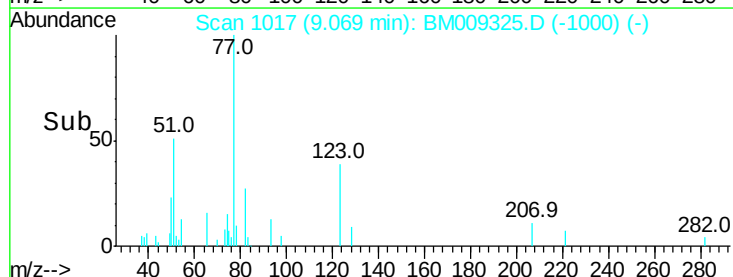
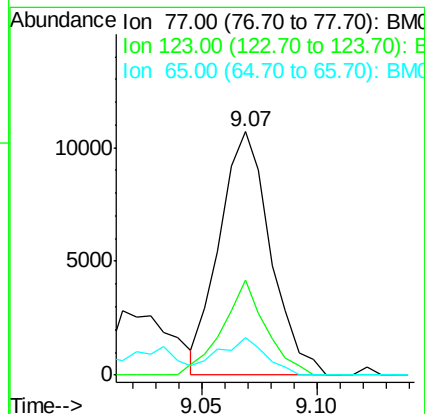
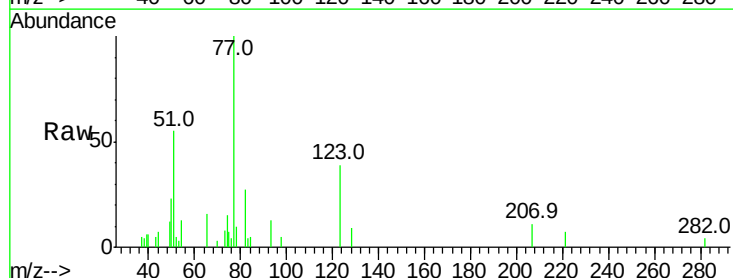
Lab File: BM009325.D

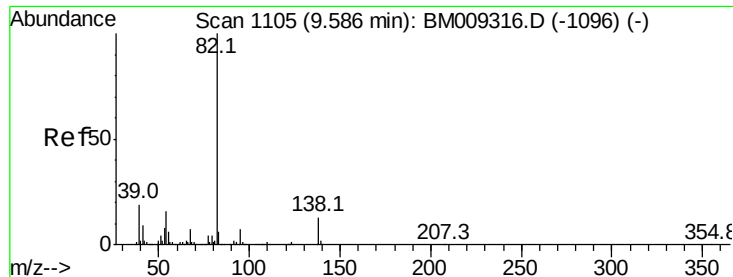
Acq: 22 Mar 2017 19:23

Tgt Ion: 77 Resp: 16434

Ion Ratio Lower Upper

77	100		
123	39.0	32.6	49.0
65	15.6	10.9	16.3





#25

Isophorone

Concen: 0.92 ng

RT: 9.59 min Scan# 1105

Delta R.T. -0.00 min

Lab File: BM009325.D

Acq: 22 Mar 2017 19:23

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

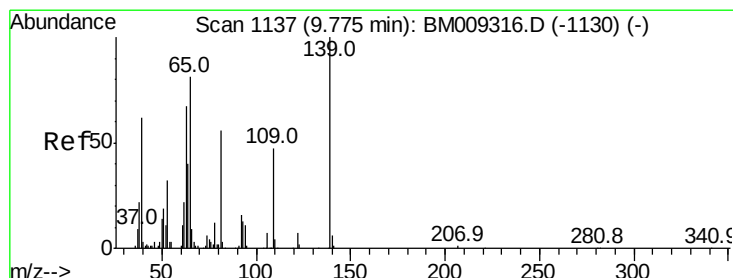
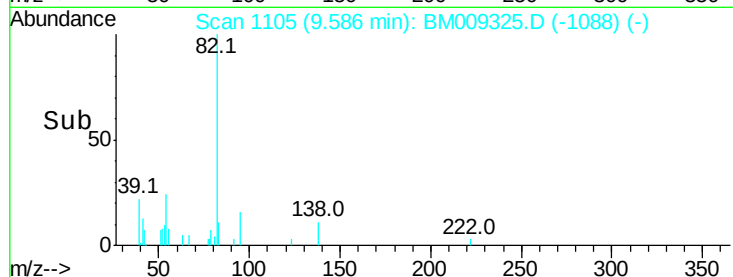
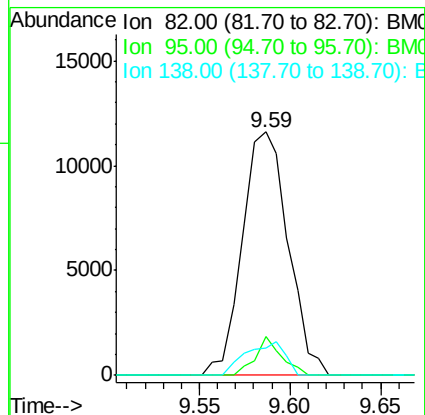
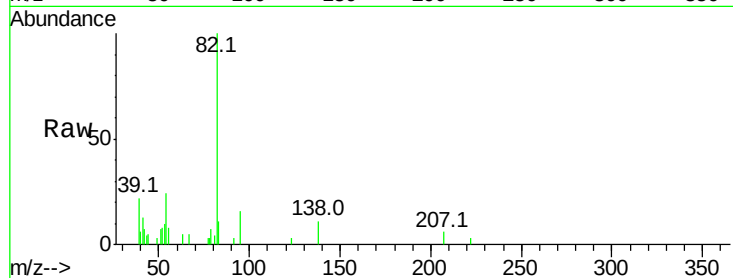
Tot Ion: 82 Resp: 20358

Ion Ratio Lower Upper

82 100

95 15.9 5.8 8.6#

138 11.1 16.3 24.5#



#26

2-Nitrophenol

Concen: 0.91 ng

RT: 9.79 min Scan# 1139

Delta R.T. 0.01 min

Lab File: BM009325.D

Acq: 22 Mar 2017 19:23

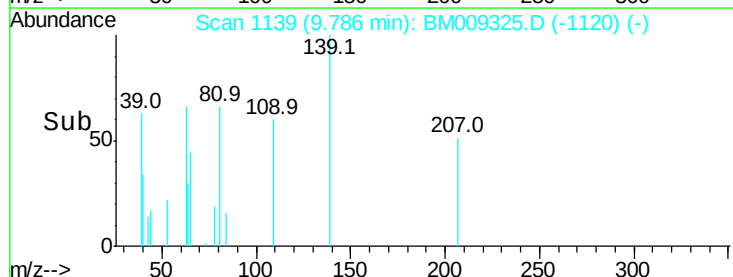
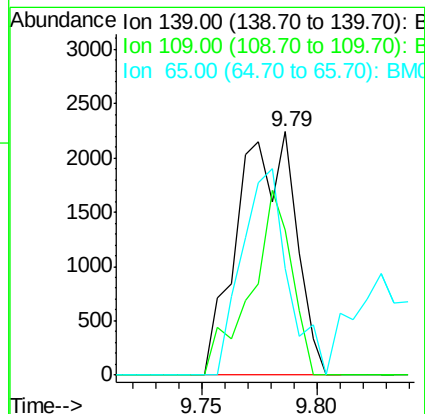
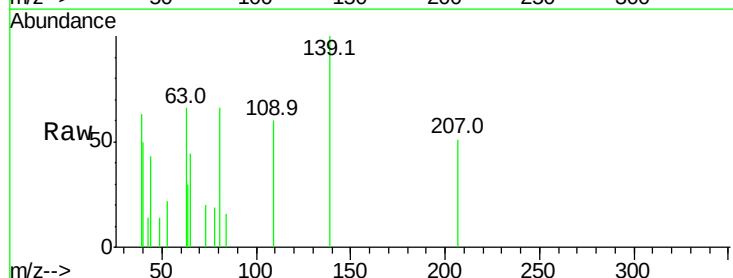
Tgt Ion: 139 Resp: 3894

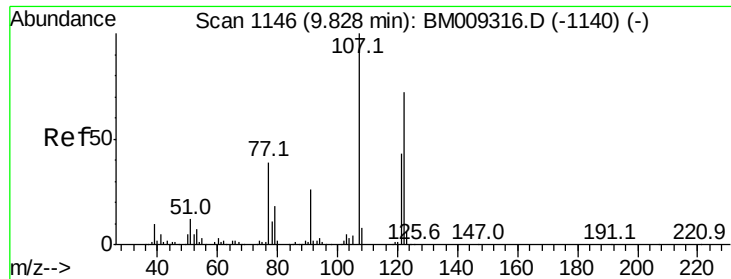
Ion Ratio Lower Upper

139 100

109 59.5 20.1 30.1#

65 43.7 31.5 47.3

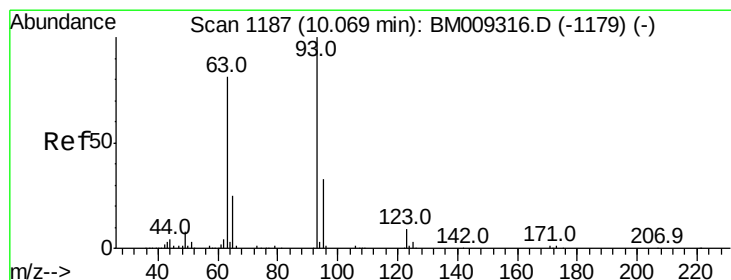
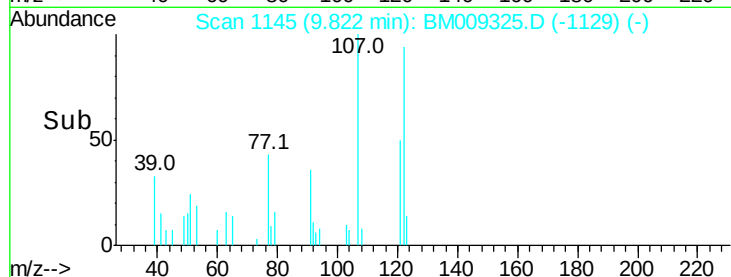
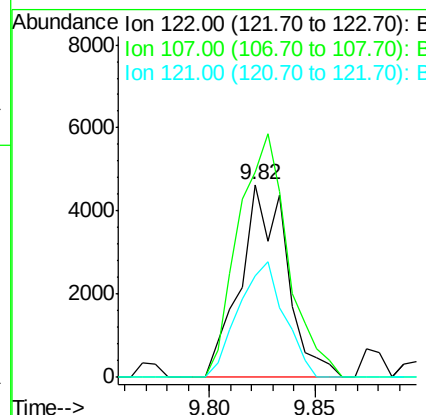
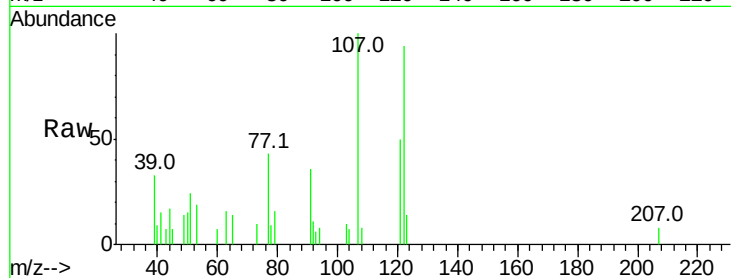




#27
 2,4-Dimethylphenol
 Concen: 0.90 ng
 RT: 9.82 min Scan# 1145
 Delta R.T. -0.01 min
 Lab File: BM009325.D
 Acq: 22 Mar 2017 19:23

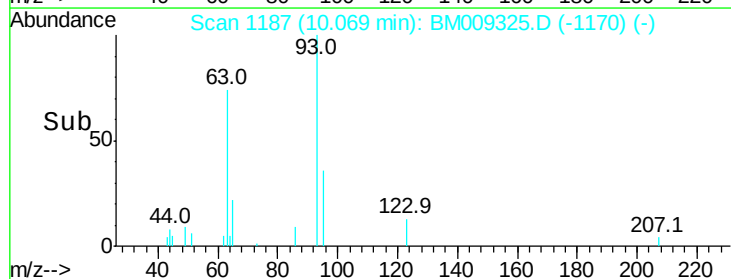
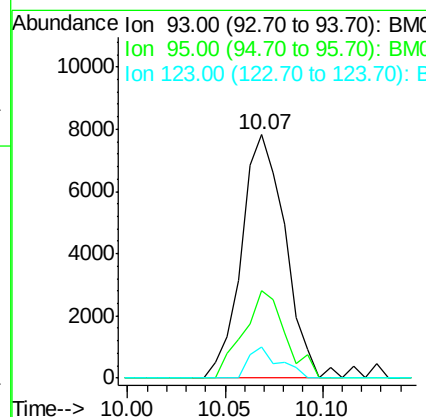
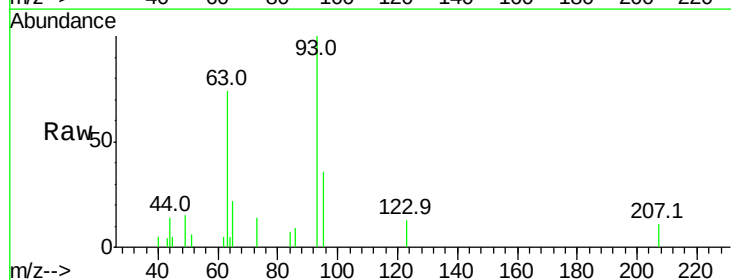
Instrument :
 BNA_M
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

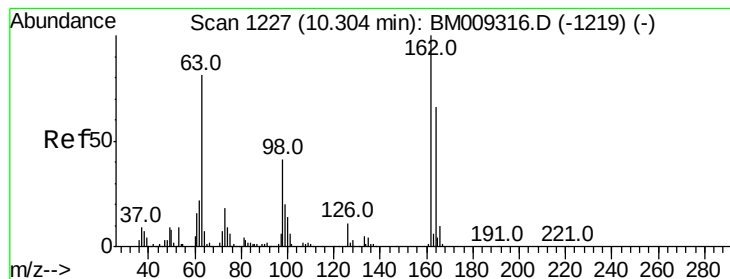
Tot Ion	Ratio	Lower	Upper
122	100		
107	106.0	84.7	127.1
121	52.9	46.6	69.8



#28
 bis(2-Chloroethoxy)methane
 Concen: 0.89 ng
 RT: 10.07 min Scan# 1187
 Delta R.T. -0.00 min
 Lab File: BM009325.D
 Acq: 22 Mar 2017 19:23

Tgt Ion	Ratio	Lower	Upper
93	100		
95	35.8	25.5	38.3
123	12.7	8.6	13.0





#29

2,4-Dichlorophenol

Concen: 0.88 ng

RT: 10.30 min Scan# 1227

Delta R.T. -0.00 min

Lab File: BM009325.D

Acq: 22 Mar 2017 19:23

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

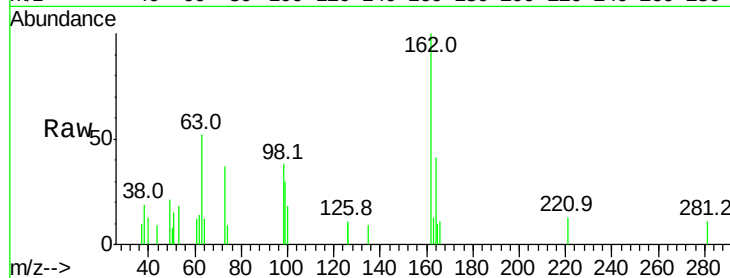
Tot Ion:162 Resp: 7216

Ion Ratio Lower Upper

162 100

164 41.4 42.8 82.8#

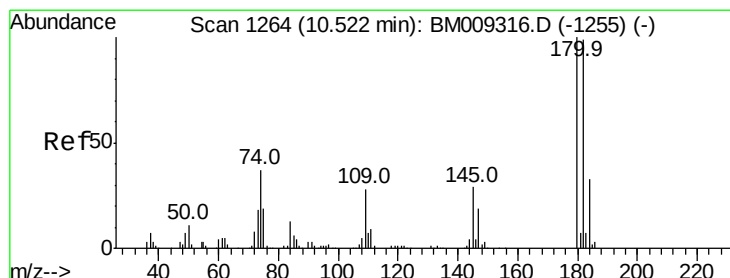
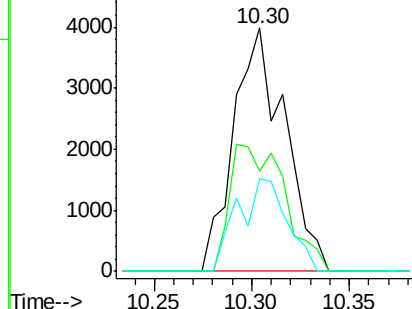
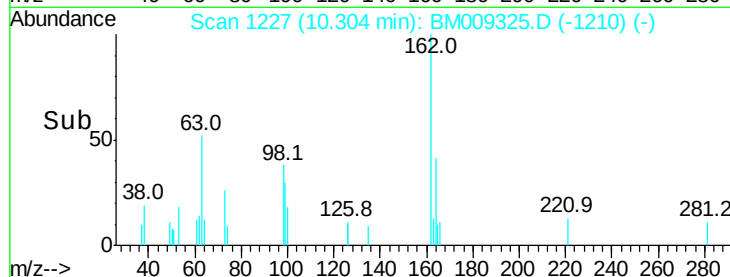
98 37.9 14.5 54.5



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: 1.05 ng

RT: 10.52 min Scan# 1264

Delta R.T. -0.00 min

Lab File: BM009325.D

Acq: 22 Mar 2017 19:23

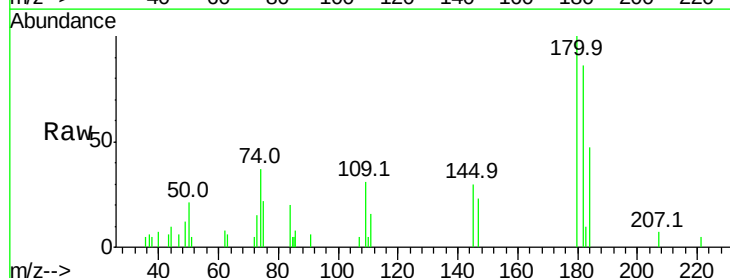
Tgt Ion:180 Resp: 10685

Ion Ratio Lower Upper

180 100

182 85.8 77.6 116.4

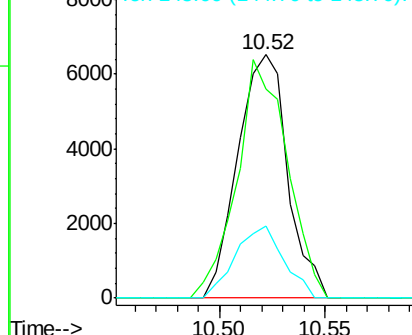
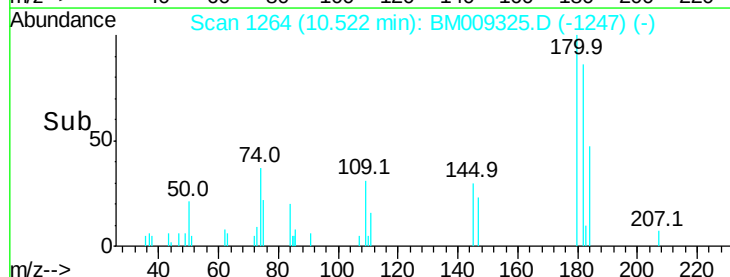
145 29.8 23.4 35.2

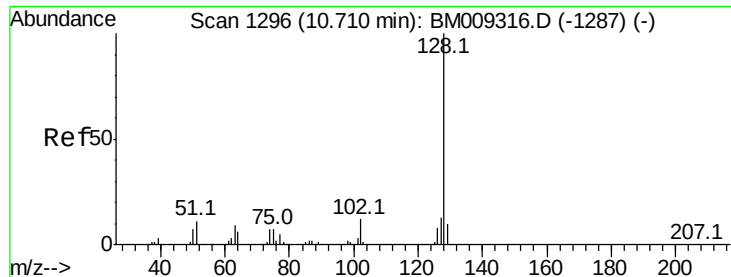


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

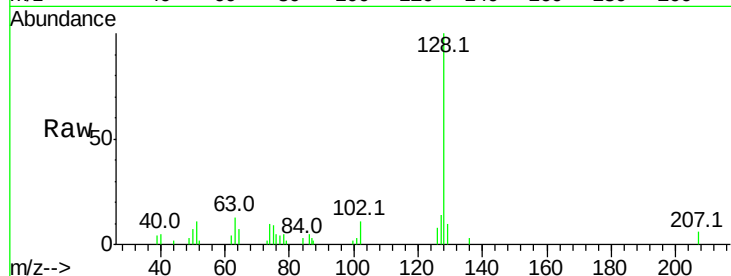




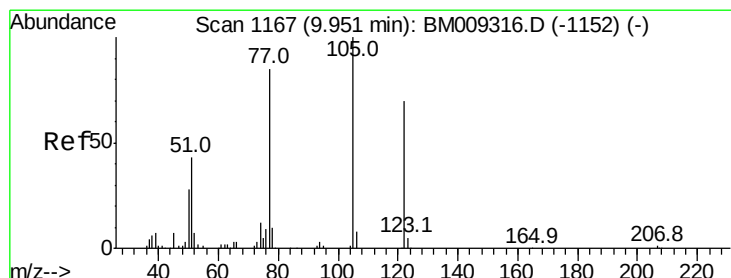
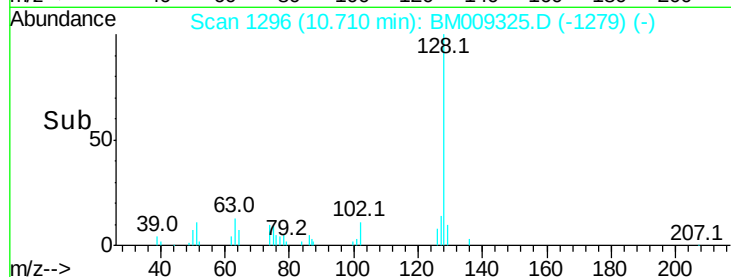
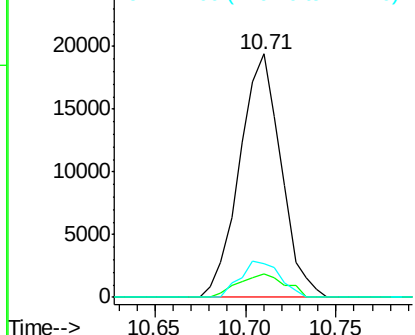
#31
Naphthalene
Concen: 1.07 ng
RT: 10.71 min Scan# 1296
Delta R.T. -0.00 min
Lab File: BM009325.D
Acq: 22 Mar 2017 19:23

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

Tot Ion:128 Resp: 30842
Ion Ratio Lower Upper
128 100
129 9.8 8.9 13.3
127 14.0 10.4 15.6

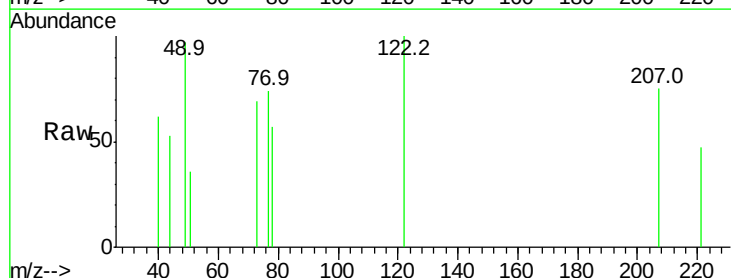


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

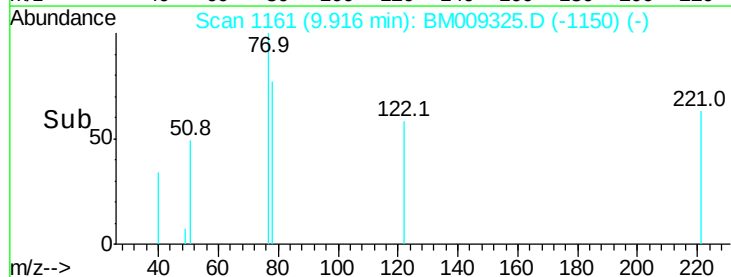
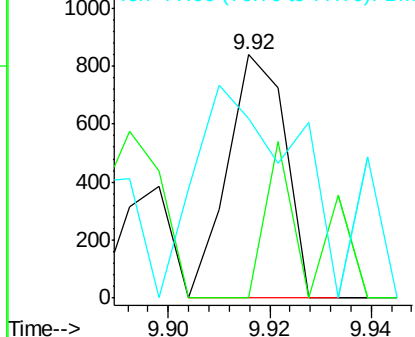


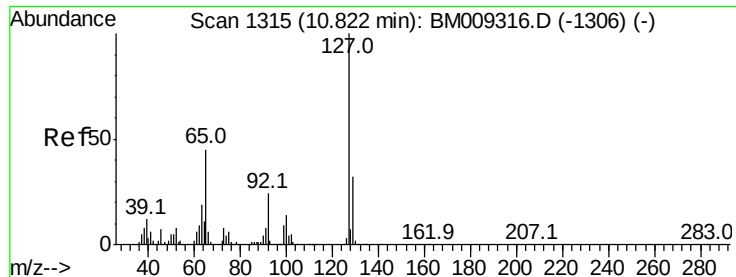
#32
Benzoic acid
Concen: 0.12 ng
RT: 9.92 min Scan# 1161
Delta R.T. -0.04 min
Lab File: BM009325.D
Acq: 22 Mar 2017 19:23

Tgt Ion:122 Resp: 661
Ion Ratio Lower Upper
122 100
105 0.0 99.9 139.9#
77 73.8 73.7 113.7



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

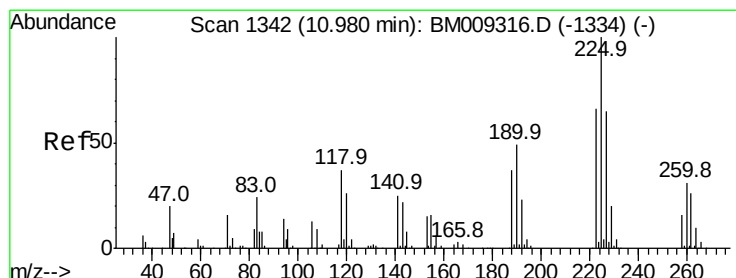
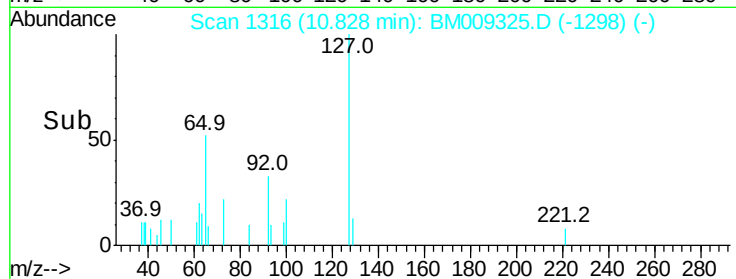
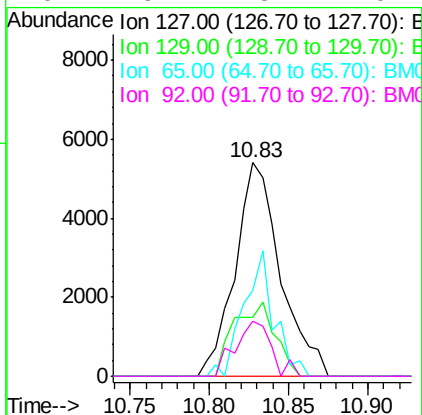
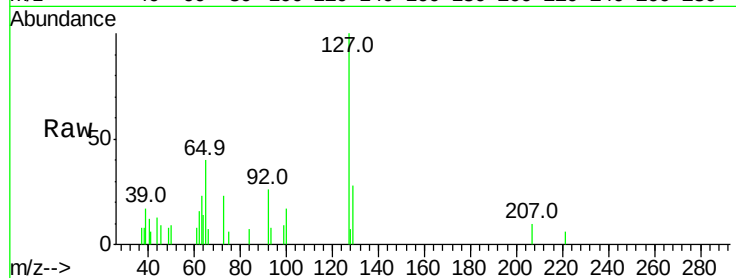




#33
4-Chloroaniline
Concen: 0.97 ng
RT: 10.83 min Scan# 1316
Delta R.T. 0.01 min
Lab File: BM009325.D
Acq: 22 Mar 2017 19:23

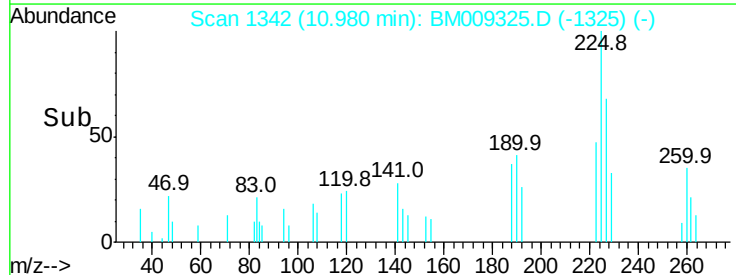
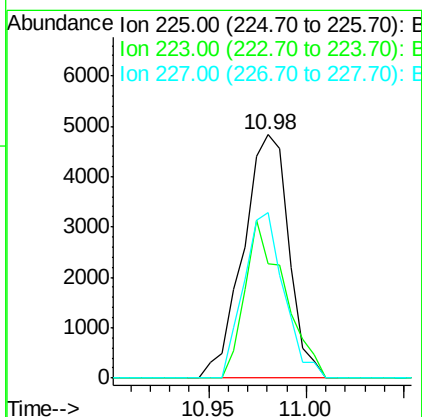
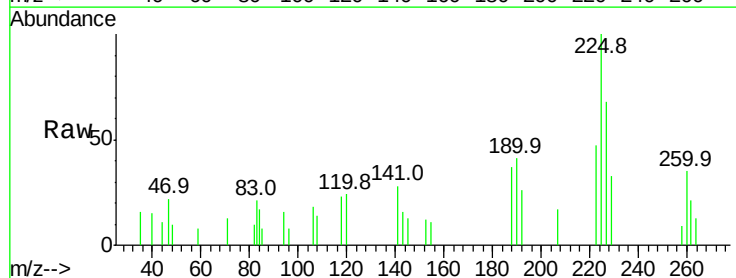
Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT2-2017

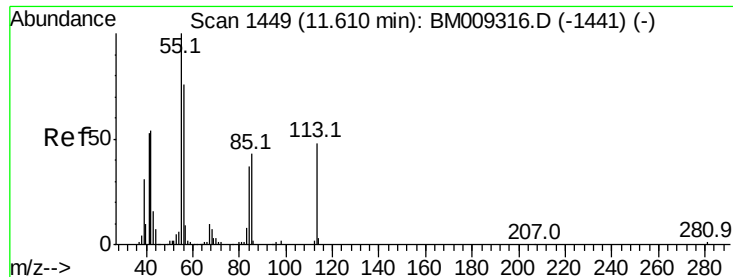
Tot Ion	Ratio	Lower	Upper
127	100		
129	27.8	25.3	37.9
65	40.1	17.6	26.4
92	25.7	13.1	19.7



#34
Hexachlorobutadiene
Concen: 1.12 ng
RT: 10.98 min Scan# 1342
Delta R.T. -0.00 min
Lab File: BM009325.D
Acq: 22 Mar 2017 19:23

Tgt Ion	Ratio	Lower	Upper
225	100		
223	47.1	47.9	71.9
227	68.1	50.1	75.1





#35

Caprolactam

Concen: 0.50 ng

RT: 11.61 min Scan# 1449

Delta R.T. 0.00 min

Lab File: BM009325.D

Acq: 22 Mar 2017 19:23

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

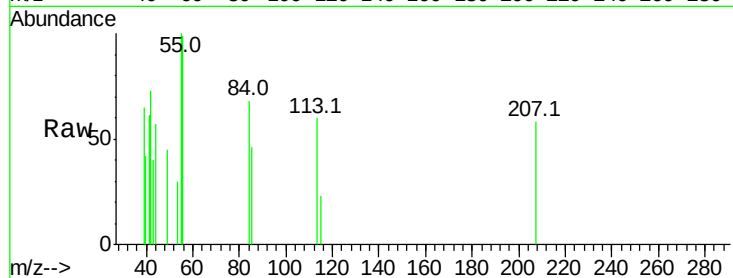
Tot Ion:113 Resp: 1252

Ion Ratio Lower Upper

113 100

55 165.7 145.9 185.9

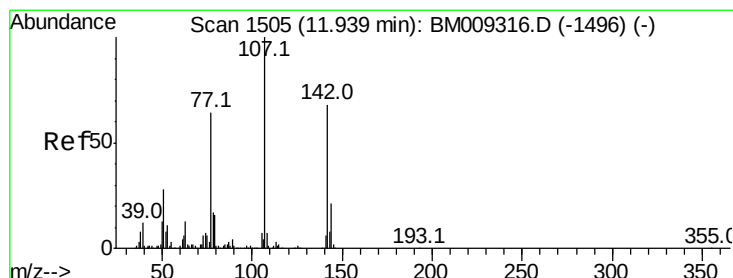
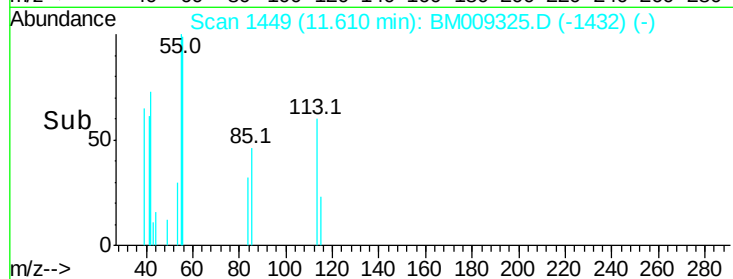
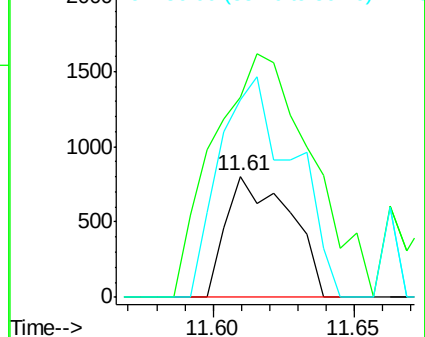
56 163.5 101.0 141.0#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM0

Ion 56.00 (55.70 to 56.70): BM0



#36

4-Chloro-3-methylphenol

Concen: 0.73 ng

RT: 11.93 min Scan# 1504

Delta R.T. -0.01 min

Lab File: BM009325.D

Acq: 22 Mar 2017 19:23

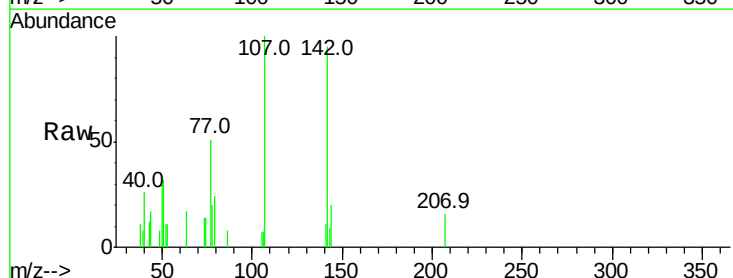
Tgt Ion:107 Resp: 6781

Ion Ratio Lower Upper

107 100

144 20.1 23.3 34.9#

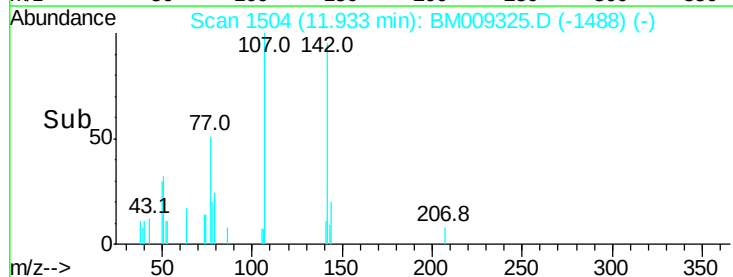
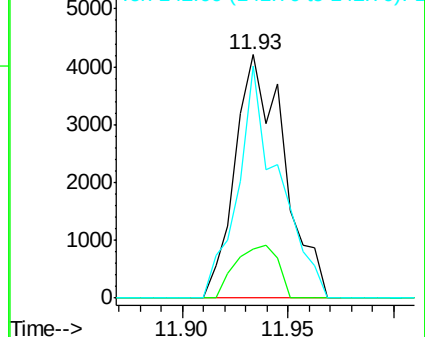
142 95.5 72.6 109.0

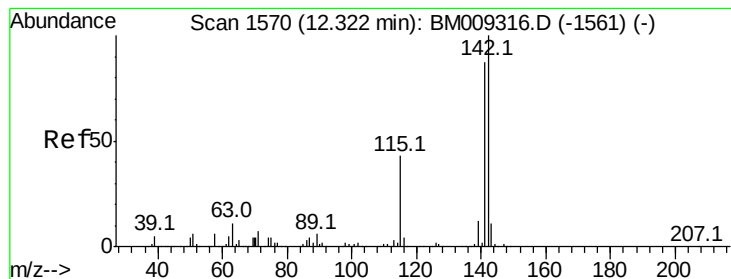


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 1.01 ng

RT: 12.32 min Scan# 1570

Delta R.T. -0.00 min

Lab File: BM009325.D

Acq: 22 Mar 2017 19:23

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

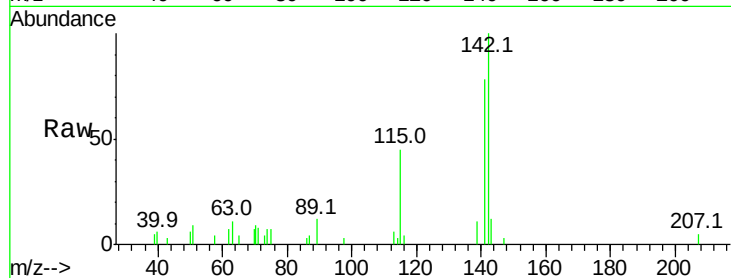
Tot Ion:142 Resp: 20018

Ion Ratio Lower Upper

142 100

141 78.2 71.9 107.9

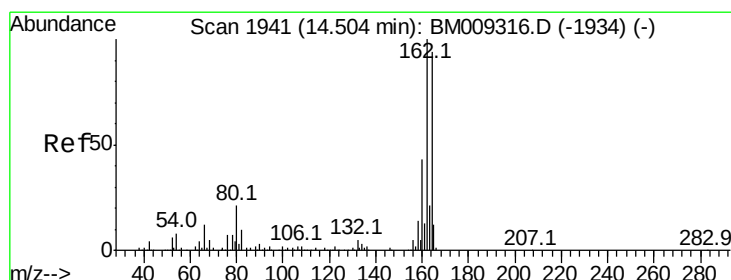
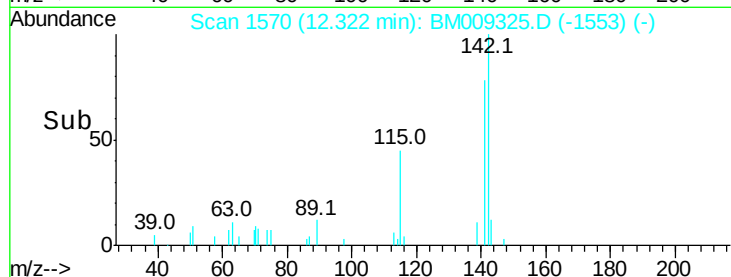
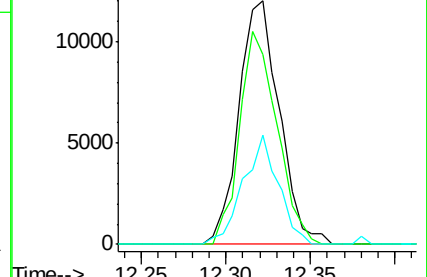
115 44.6 25.4 38.0#



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: BM009325.D

Acq: 22 Mar 2017 19:23

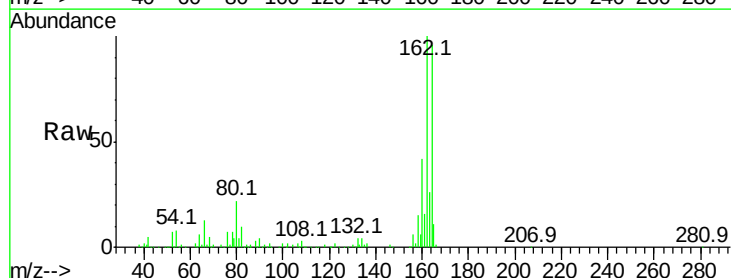
Tgt Ion:164 Resp: 290094

Ion Ratio Lower Upper

164 100

162 103.8 82.4 123.6

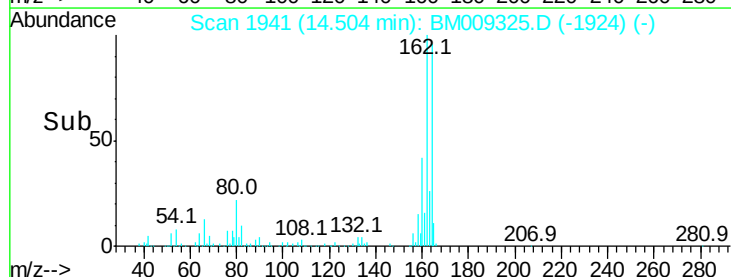
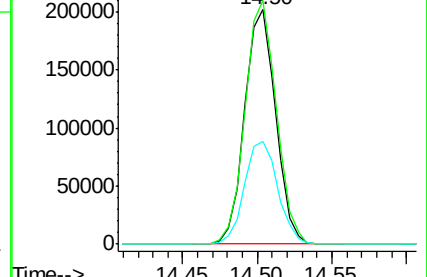
160 44.0 35.8 53.6

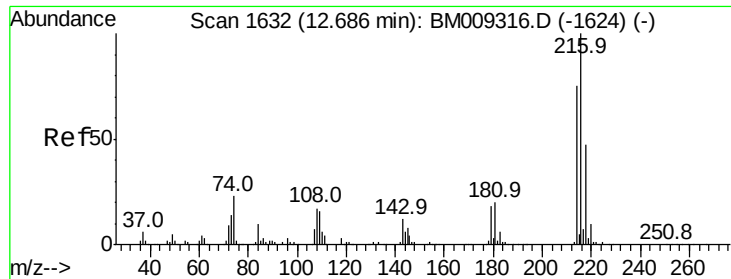


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#39

1,2,4,5-Tetrachlorobenzene

Concen: 1.03 ng

RT: 12.68 min Scan# 1631

Delta R.T. -0.01 min

Lab File: BM009325.D

Acq: 22 Mar 2017 19:23

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

Tot Ion:216 Resp: 11265

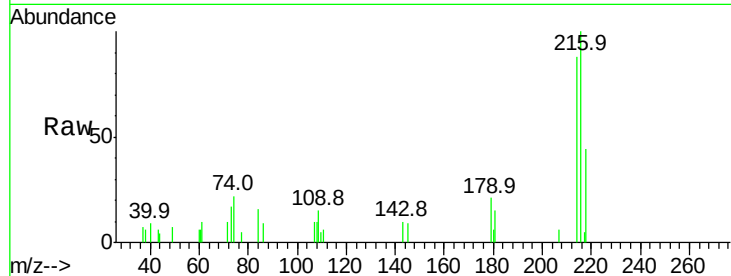
Ion Ratio Lower Upper

216 100

214 85.7 0.0 0.0#

179 21.3 0.0 0.0#

108 17.9 0.0 0.0#

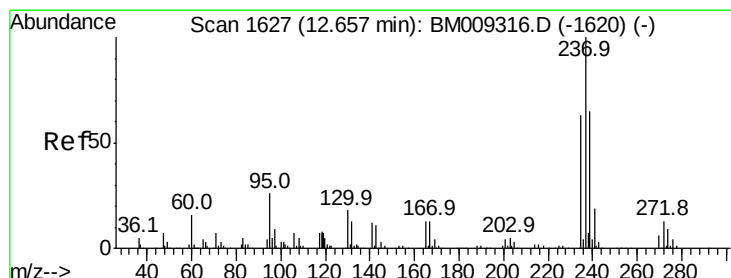
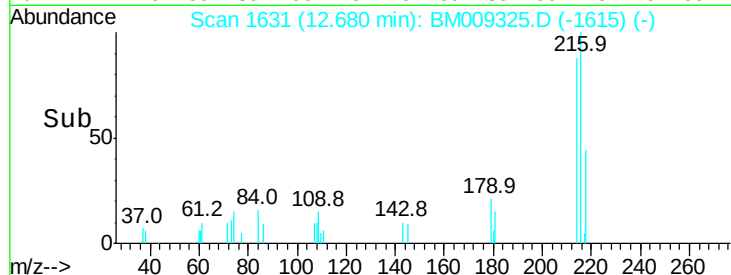
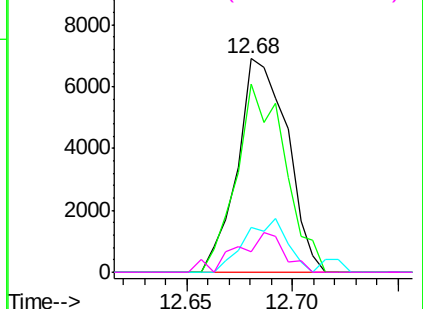


Abundance Ion 216.00 (215.70 to 216.70): E

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: 0.73 ng

RT: 12.66 min Scan# 1627

Delta R.T. -0.00 min

Lab File: BM009325.D

Acq: 22 Mar 2017 19:23

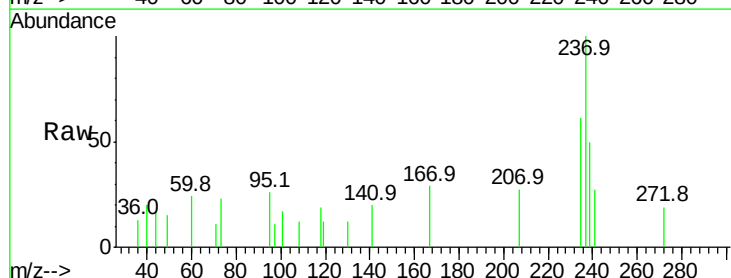
Tgt Ion:237 Resp: 4606

Ion Ratio Lower Upper

237 100

235 61.1 42.0 82.0

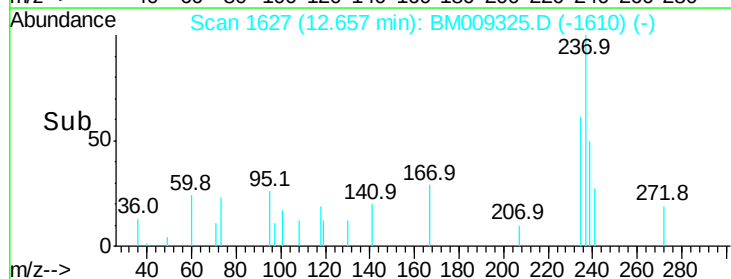
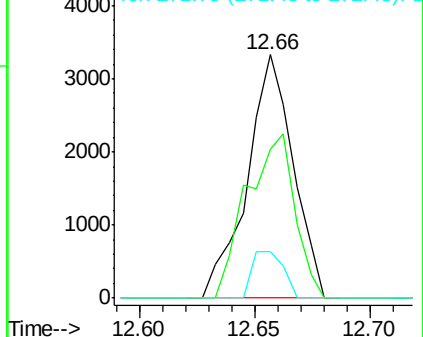
272 18.9 0.0 33.4

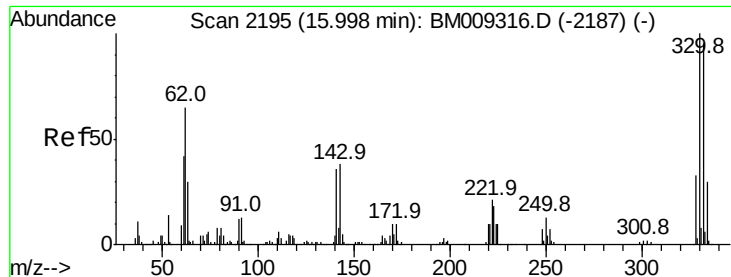


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

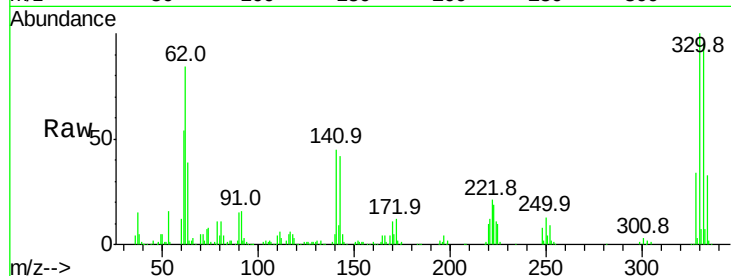




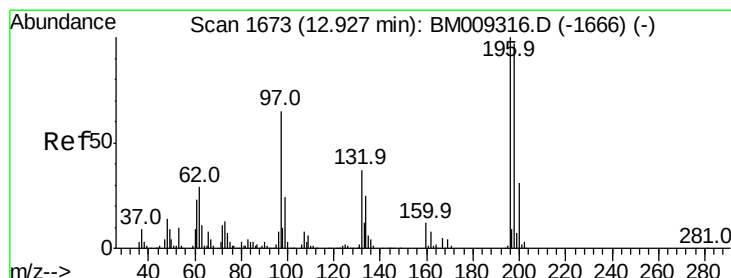
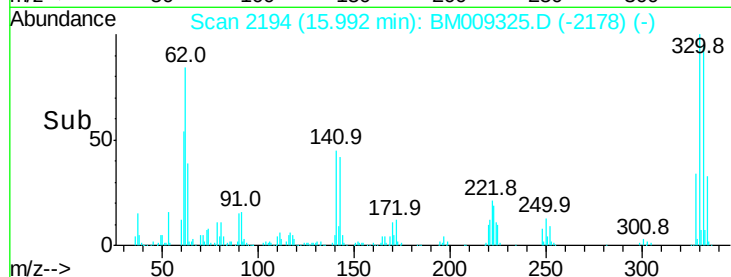
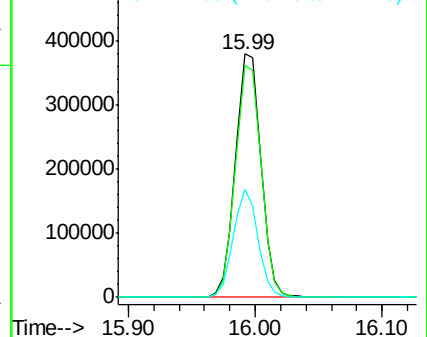
#41
2,4,6-Tribromophenol
Concen: 146.81 ng
RT: 15.99 min Scan# 2194
Delta R.T. -0.01 min
Lab File: BM009325.D
Acq: 22 Mar 2017 19:23

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

Tot Ion:330 Resp: 529089
Ion Ratio Lower Upper
330 100
332 95.8 0.0 0.0#
141 42.6 0.0 0.0#

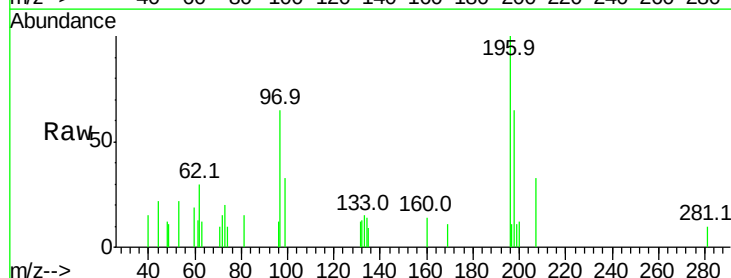


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

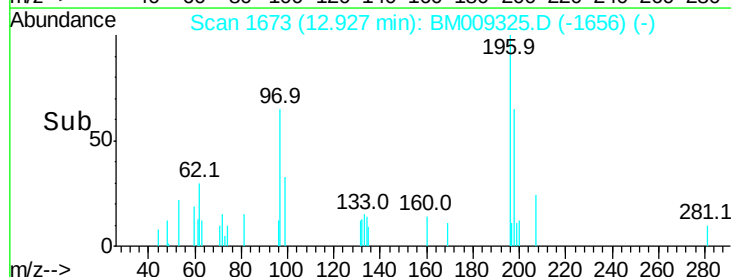
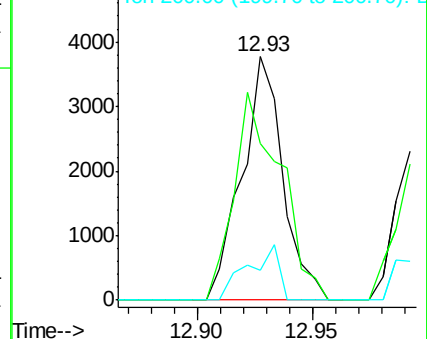


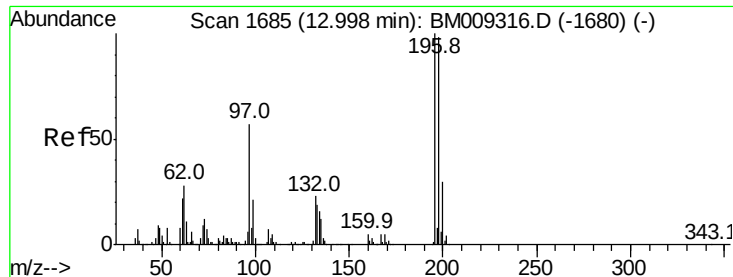
#42
2,4,6-Trichlorophenol
Concen: 0.75 ng
RT: 12.93 min Scan# 1673
Delta R.T. -0.00 min
Lab File: BM009325.D
Acq: 22 Mar 2017 19:23

Tgt Ion:196 Resp: 4689
Ion Ratio Lower Upper
196 100
198 64.5 76.3 114.5#
200 12.1 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

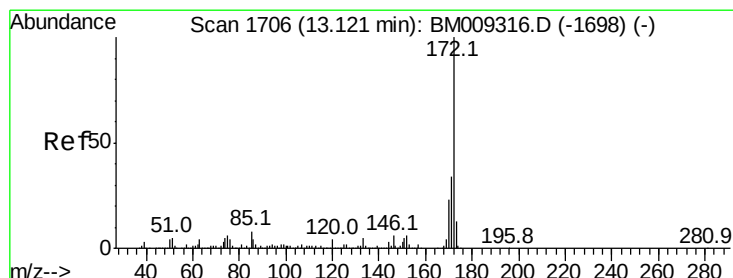
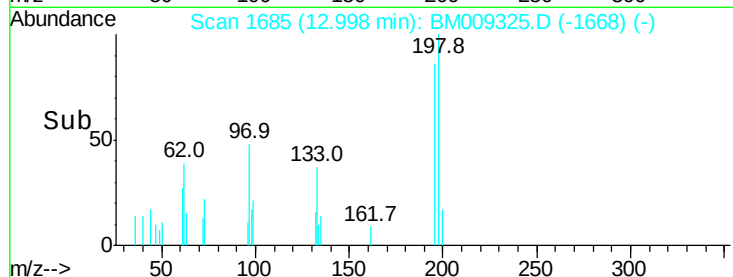
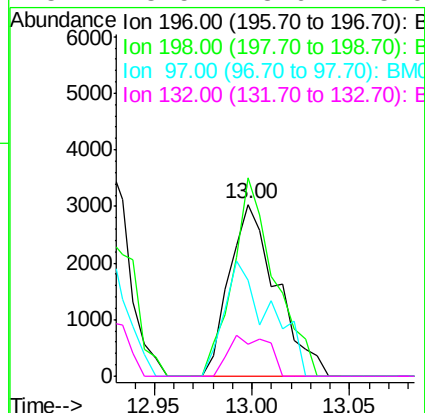
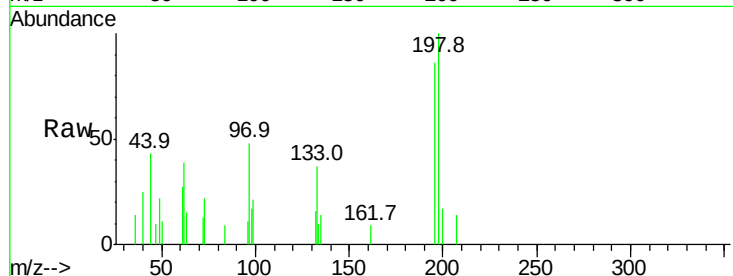




#43
2,4,5-Trichlorophenol
Concen: 0.73 ng
RT: 13.00 min Scan# 1685
Delta R.T. -0.00 min
Lab File: BM009325.D
Acq: 22 Mar 2017 19:23

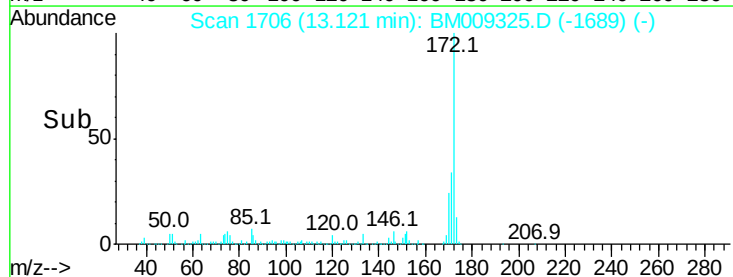
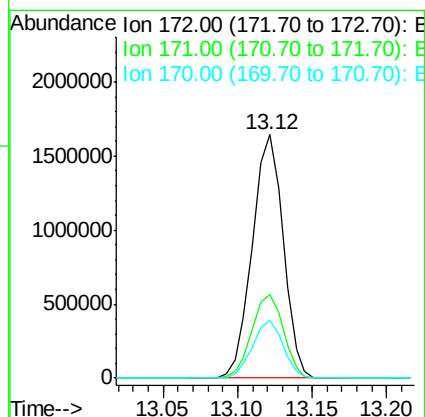
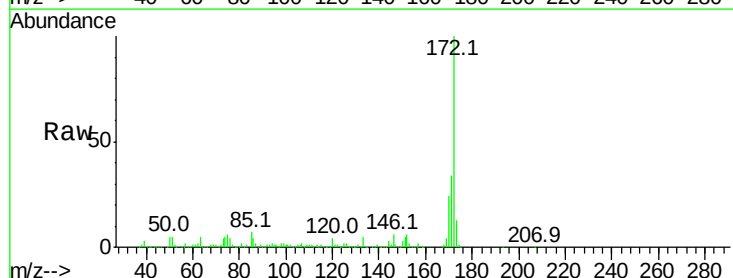
Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT2-2017

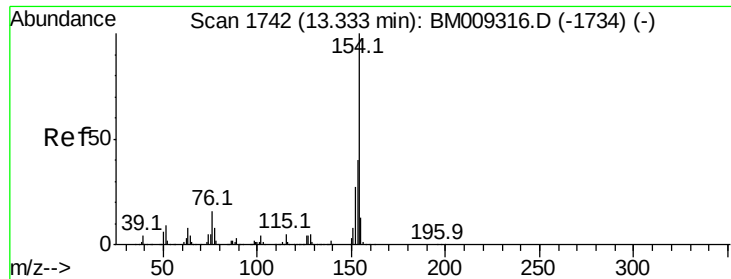
Tot Ion	Ratio	Lower	Upper
196	100		
198	115.8	79.4	119.0
97	56.1	26.8	40.2
132	18.5	18.6	28.0



#44
2-Fluorobiphenyl
Concen: 97.83 ng
RT: 13.12 min Scan# 1706
Delta R.T. 0.00 min
Lab File: BM009325.D
Acq: 22 Mar 2017 19:23

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.4	28.5	42.7
170	23.6	18.8	28.2

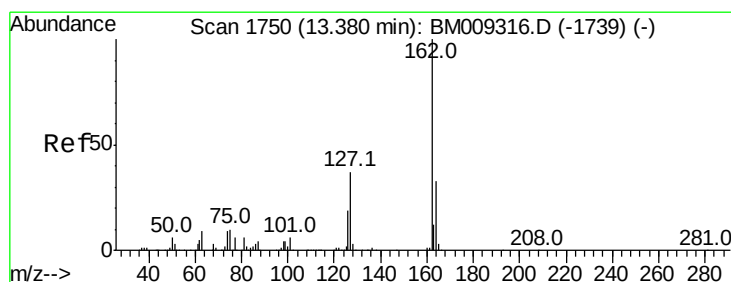
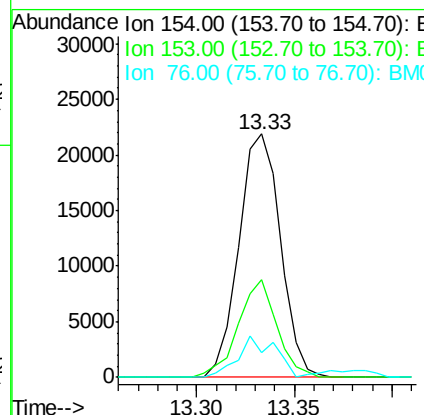
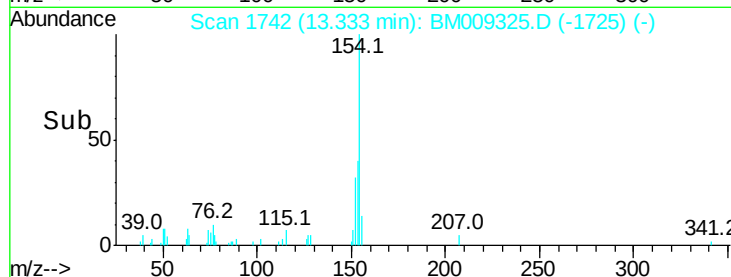
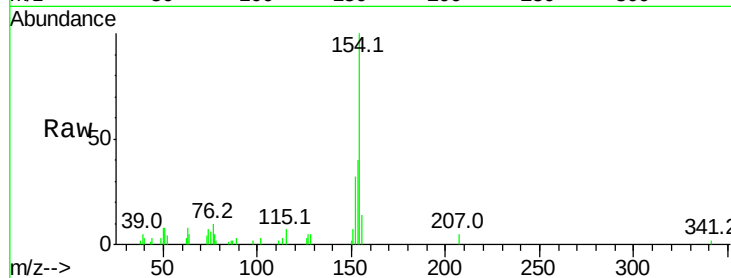




#45
 1,1'-Biphenyl
 Concen: 1.34 ng
 RT: 13.33 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: BM009325.D
 Acq: 22 Mar 2017 19:23

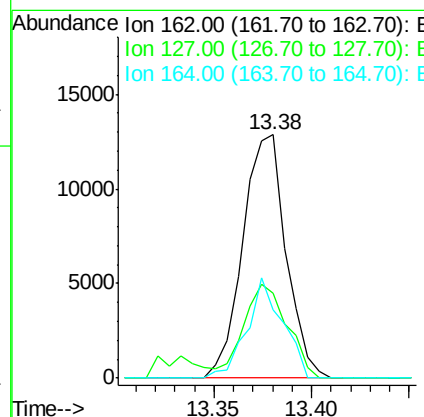
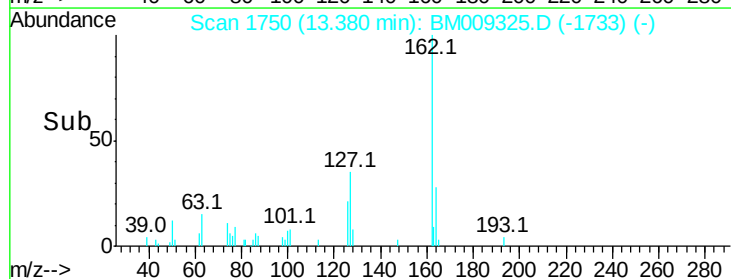
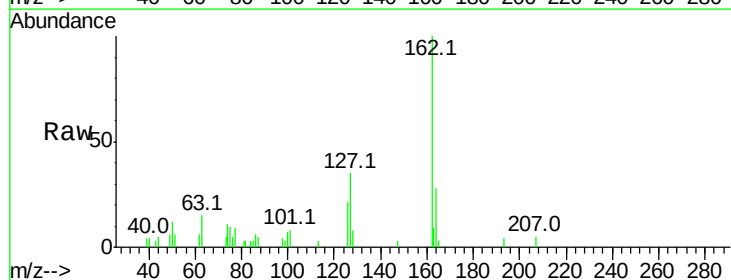
Instrument :
 BNA_M
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

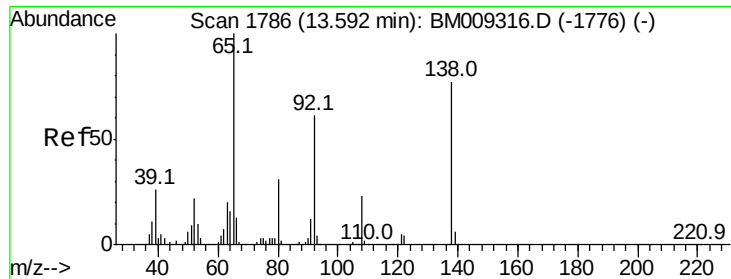
Tot Ion	Ratio	Lower	Upper
154	100		
153	40.3	20.7	60.7
76	10.3	0.0	30.9



#46
 2-Chloronaphthalene
 Concen: 1.05 ng
 RT: 13.38 min Scan# 1750
 Delta R.T. -0.00 min
 Lab File: BM009325.D
 Acq: 22 Mar 2017 19:23

Tgt Ion	Ratio	Lower	Upper
162	100		
127	34.6	26.9	40.3
164	28.3	26.8	40.2

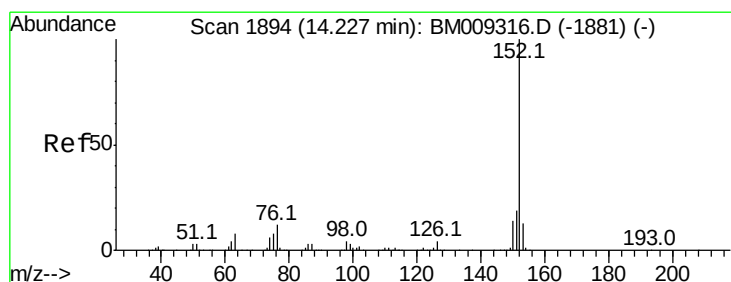
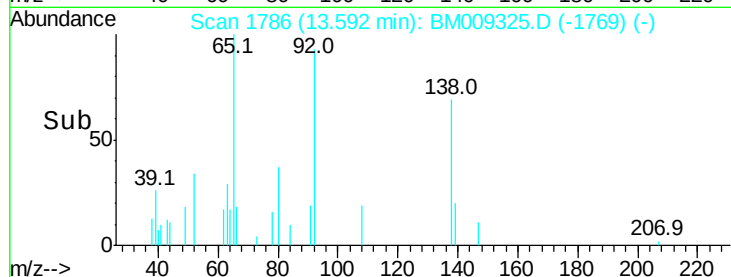
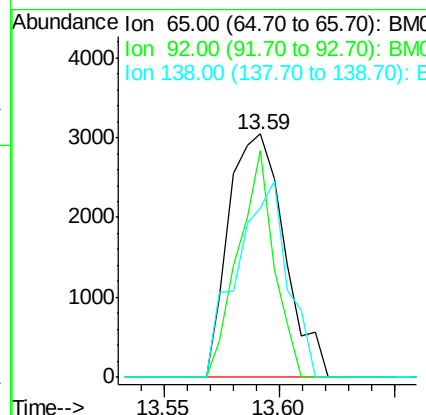
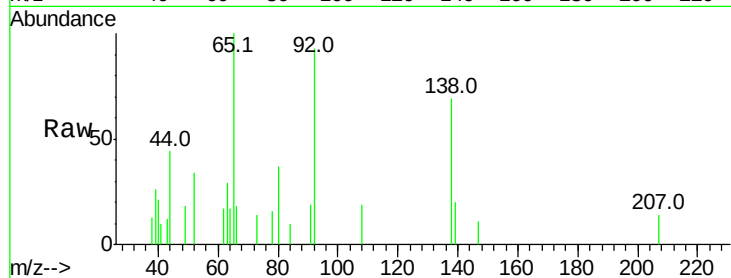




#47
2-Nitroaniline
Concen: 0.74 ng
RT: 13.59 min Scan# 1786
Delta R.T. -0.00 min
Lab File: BM009325.D
Acq: 22 Mar 2017 19:23

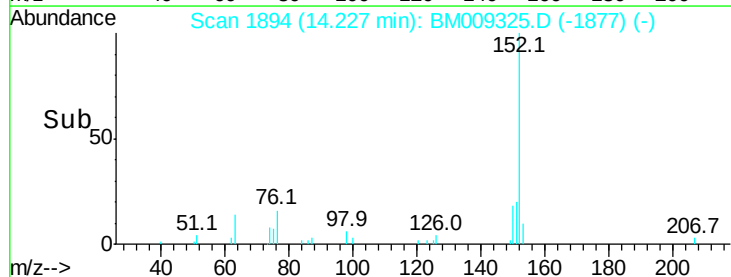
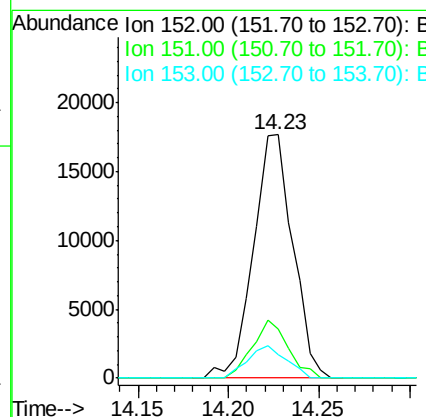
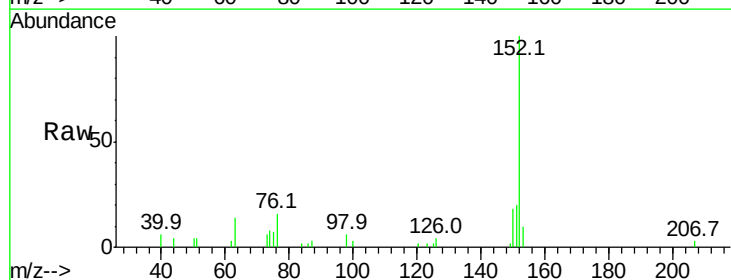
Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT2-2017

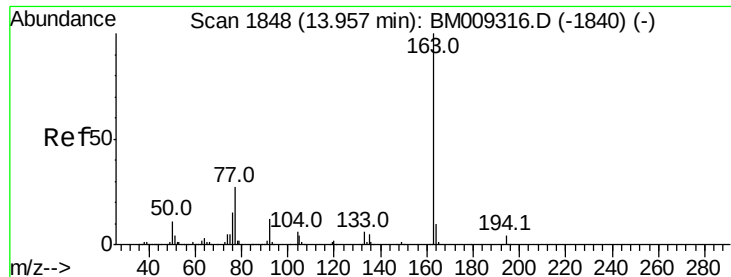
Tot Ion: 65 Resp: 5114
Ion Ratio Lower Upper
65 100
92 93.4 59.1 88.7#
138 69.5 93.9 140.9#



#48
Acenaphthylene
Concen: 0.87 ng
RT: 14.23 min Scan# 1894
Delta R.T. -0.00 min
Lab File: BM009325.D
Acq: 22 Mar 2017 19:23

Tgt Ion: 152 Resp: 26661
Ion Ratio Lower Upper
152 100
151 20.4 15.9 23.9
153 9.9 10.6 16.0#





#49

Dimethylphthalate

Concen: 1.01 ng

RT: 13.96 min Scan# 1848

Delta R.T. -0.00 min

Lab File: BM009325.D

Acq: 22 Mar 2017 19:23

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

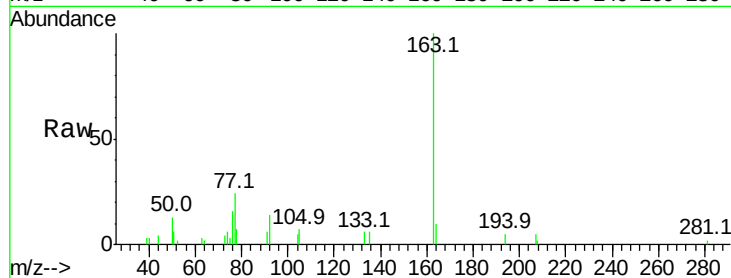
Tot Ion:163 Resp: 22516

Ion Ratio Lower Upper

163 100

194 4.5 2.7 4.1#

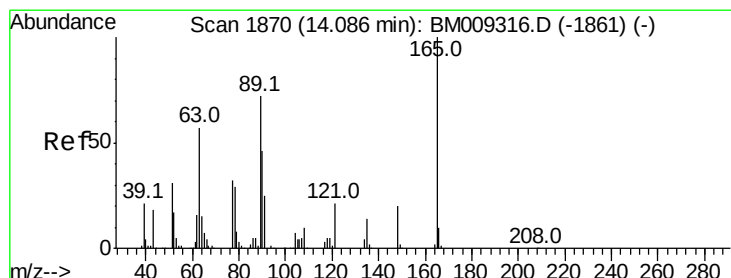
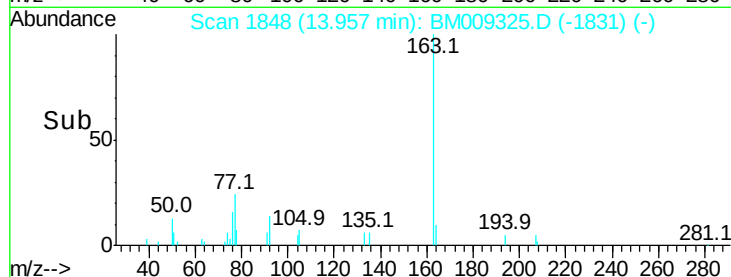
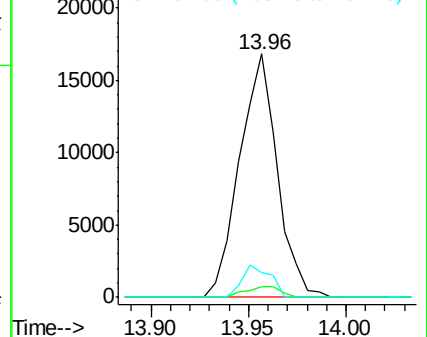
164 10.2 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 0.76 ng

RT: 14.08 min Scan# 1869

Delta R.T. -0.01 min

Lab File: BM009325.D

Acq: 22 Mar 2017 19:23

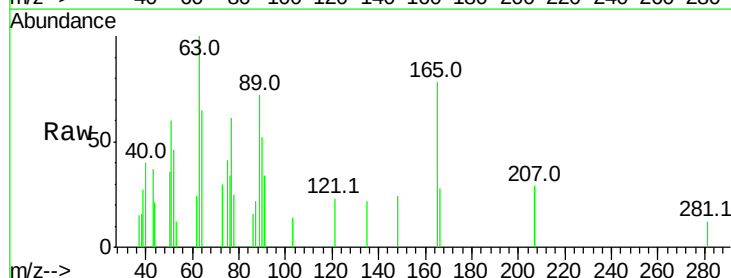
Tgt Ion:165 Resp: 3663

Ion Ratio Lower Upper

165 100

63 128.8 44.1 66.1#

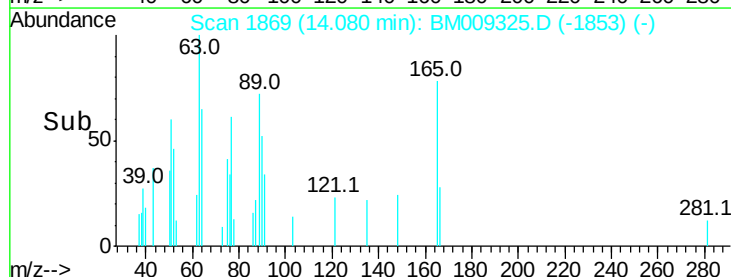
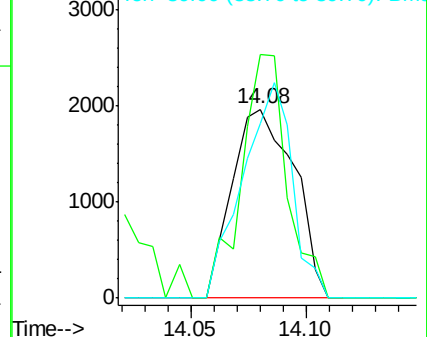
89 92.3 44.3 66.5#

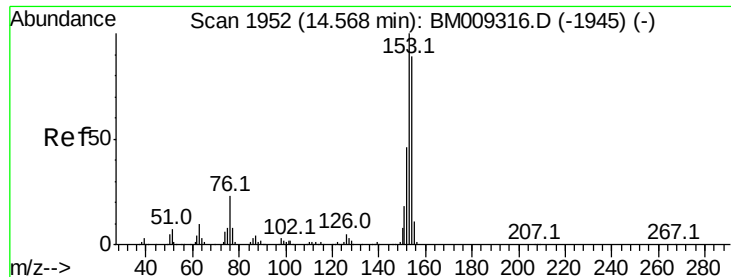


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 89.00 (88.70 to 89.70): BM0





#51

Acenaphthene

Concen: 0.99 ng

RT: 14.56 min Scan# 1951

Delta R.T. -0.01 min

Lab File: BM009325.D

Acq: 22 Mar 2017 19:23

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

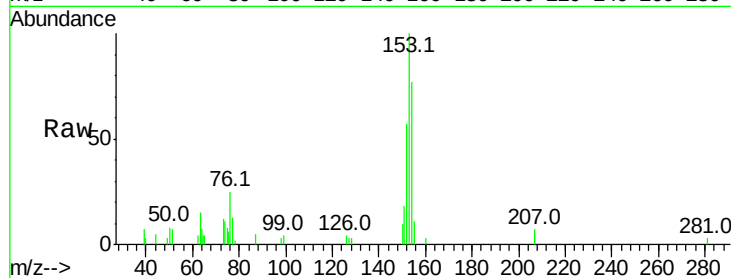
Tot Ion:154 Resp: 18206

Ion Ratio Lower Upper

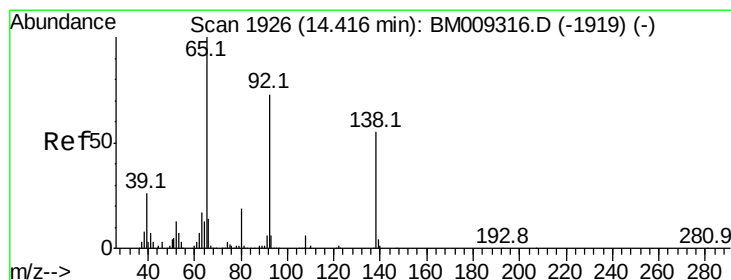
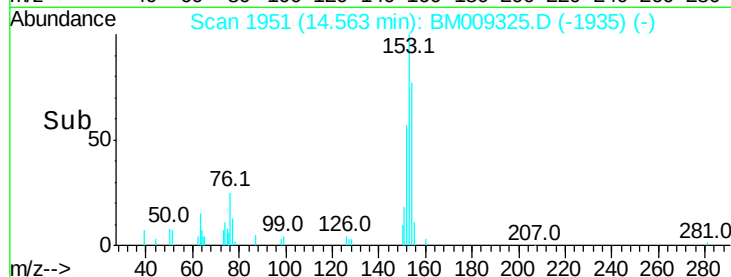
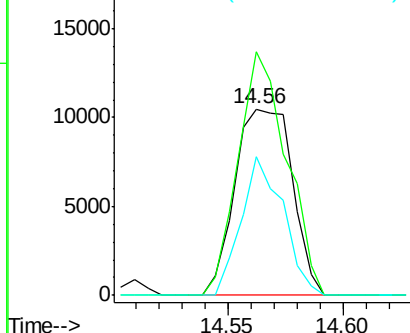
154 100

153 130.5 90.0 135.0

152 74.4 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: 0.57 ng

RT: 14.42 min Scan# 1927

Delta R.T. 0.01 min

Lab File: BM009325.D

Acq: 22 Mar 2017 19:23

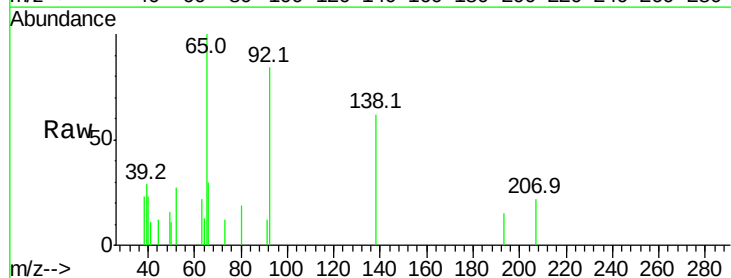
Tgt Ion:138 Resp: 2707

Ion Ratio Lower Upper

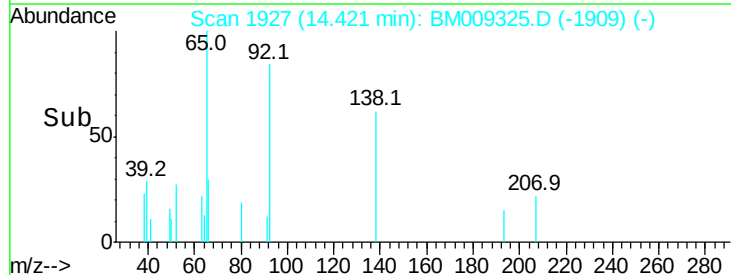
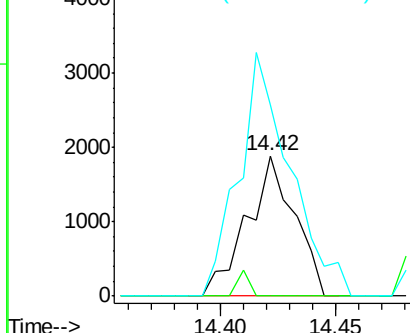
138 100

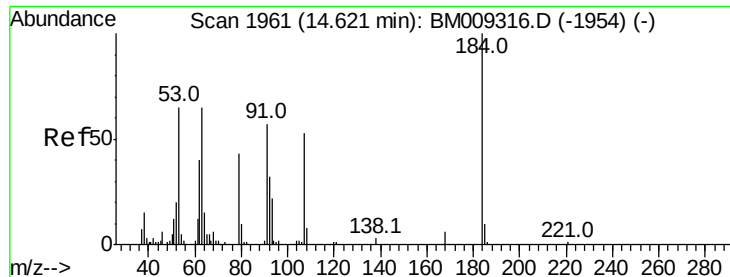
108 0.0 7.3 10.9#

92 136.8 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): E





#53

2,4-Dinitrophenol

Concen: 5.64 ng

RT: 14.63 min Scan# 1963

Delta R.T. 0.01 min

Lab File: BM009325.D

Acq: 22 Mar 2017 19:23

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

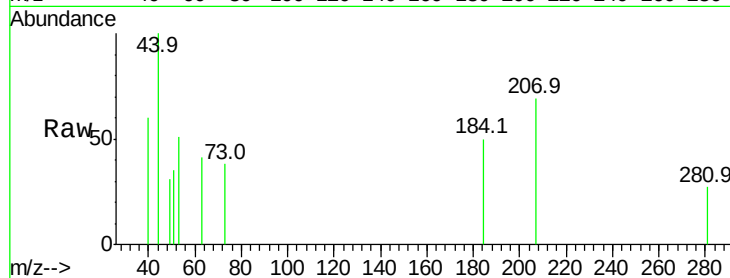
Tot Ion:184 Resp: 608

Ion Ratio Lower Upper

184 100

63 81.1 69.2 103.8

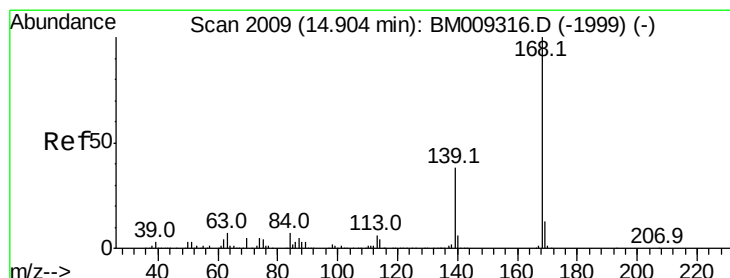
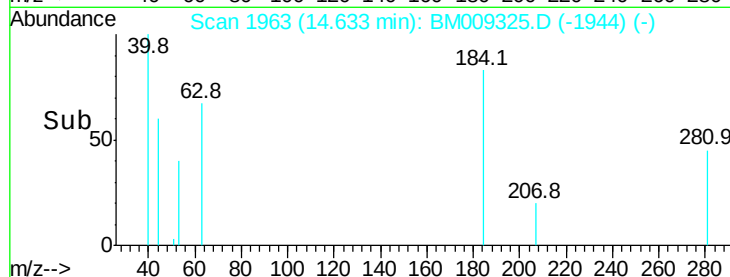
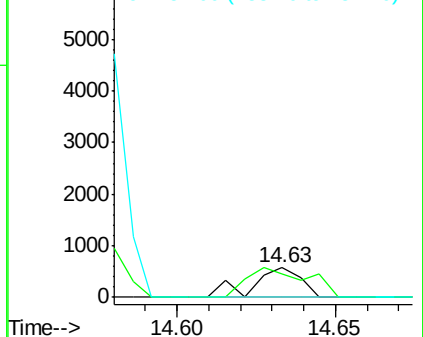
154 0.0 53.3 79.9#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 1.00 ng

RT: 14.90 min Scan# 2009

Delta R.T. -0.00 min

Lab File: BM009325.D

Acq: 22 Mar 2017 19:23

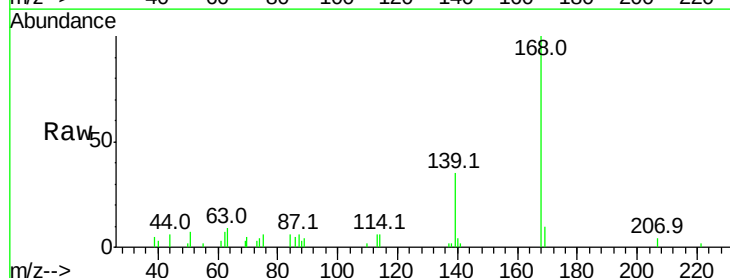
Tgt Ion:168 Resp: 27375

Ion Ratio Lower Upper

168 100

139 35.3 27.3 40.9

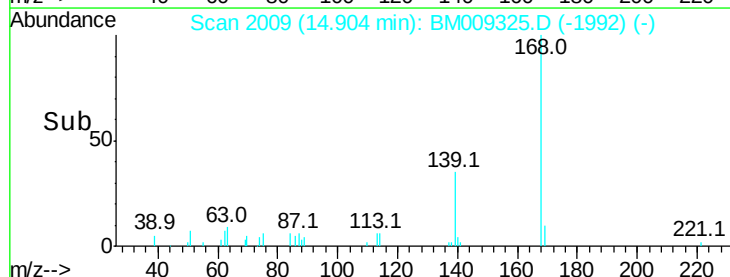
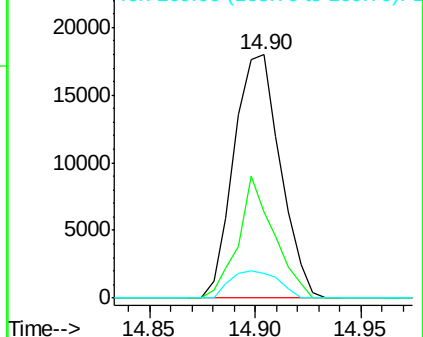
169 10.3 10.6 16.0#

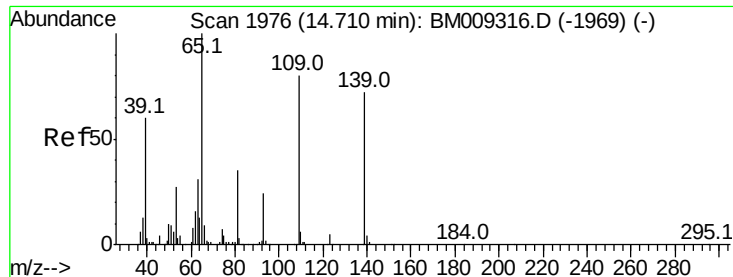


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 0.26 ng

RT: 14.72 min Scan# 1977

Delta R.T. 0.01 min

Lab File: BM009325.D

Acq: 22 Mar 2017 19:23

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

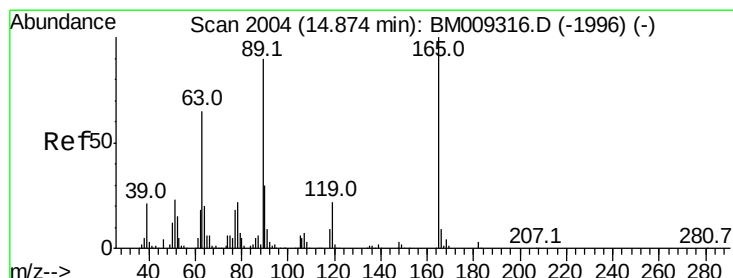
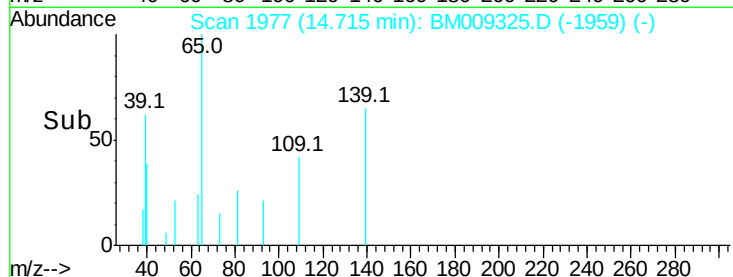
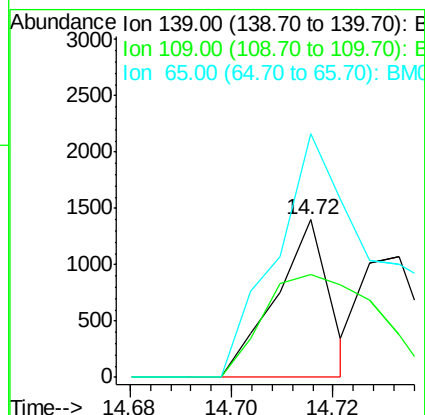
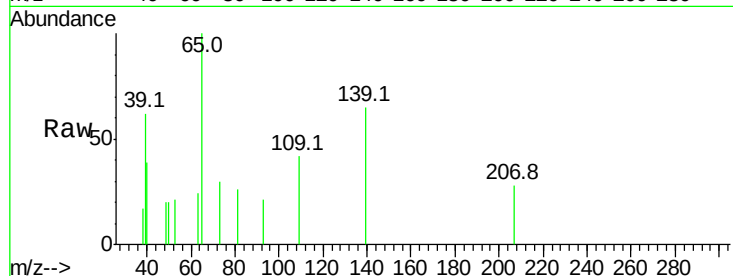
Tot Ion:139 Resp: 1021

Ion Ratio Lower Upper

139 100

109 65.1 37.7 77.7

65 154.6 49.9 89.9#



#56

2,4-Dinitrotoluene

Concen: 0.76 ng

RT: 14.87 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BM009325.D

Acq: 22 Mar 2017 19:23

Tgt Ion:165 Resp: 4936

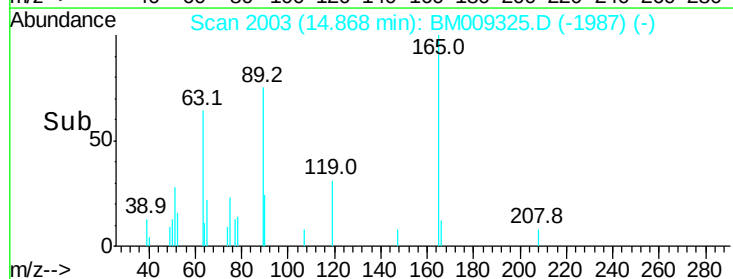
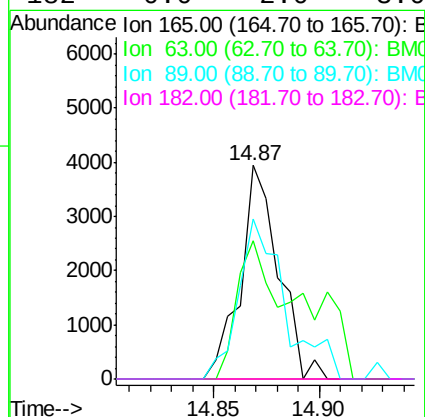
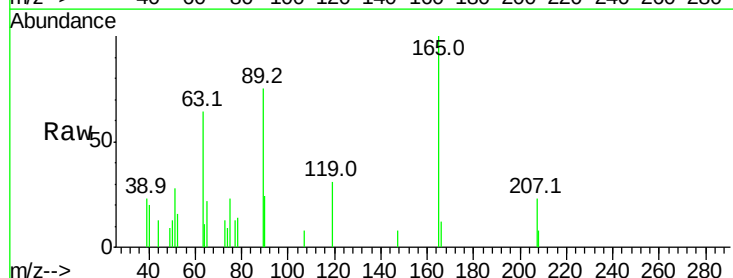
Ion Ratio Lower Upper

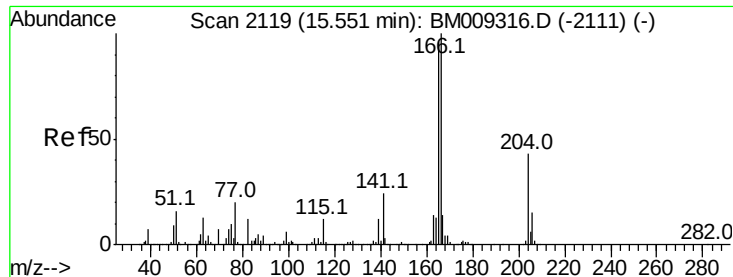
165 100

63 64.4 52.4 78.6

89 74.9 72.4 108.6

182 0.0 2.0 3.0#

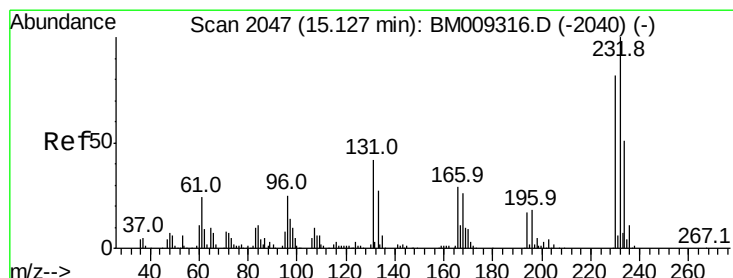
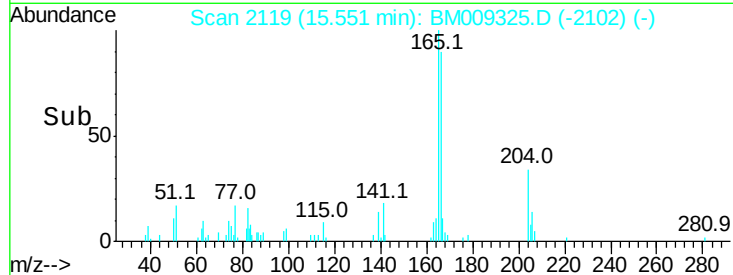
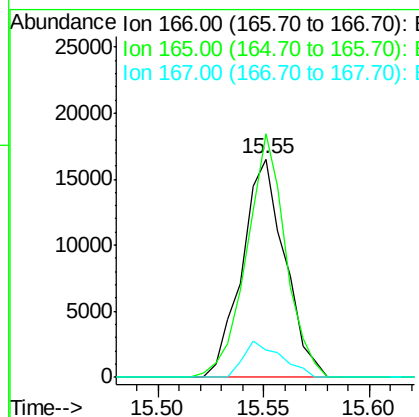
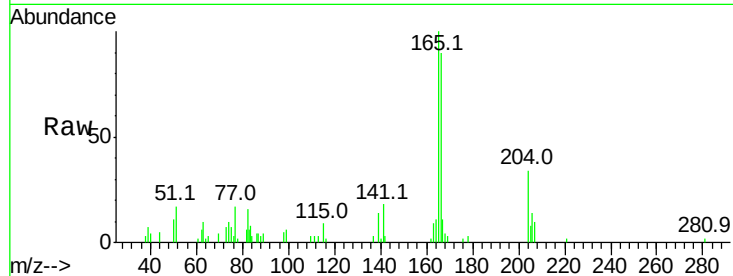




#57
 Fluorene
 Concen: 0.95 ng
 RT: 15.55 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: BM009325.D
 Acq: 22 Mar 2017 19:23

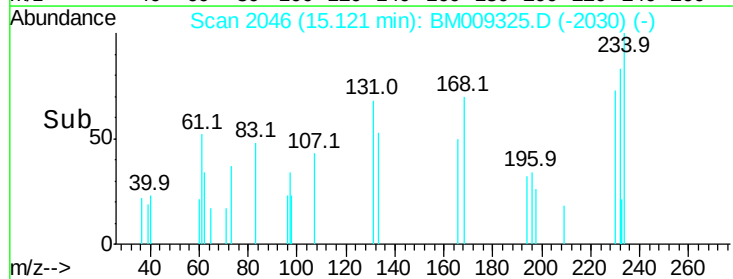
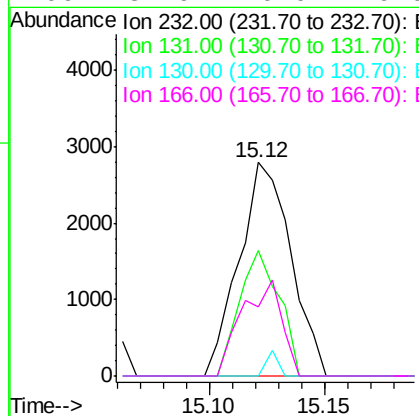
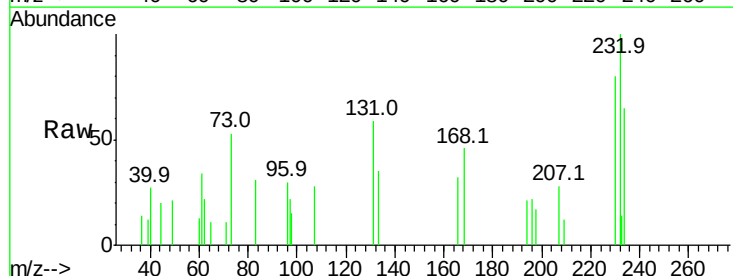
Instrument :
 BNA_M
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

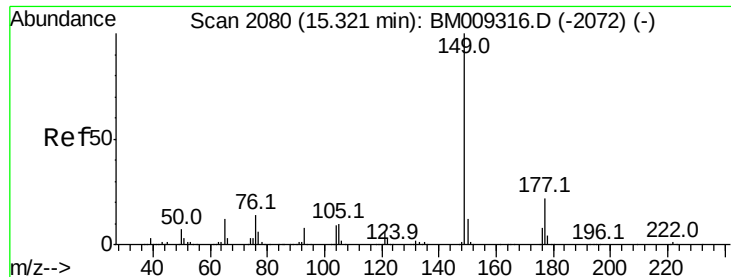
Tot Ion:166 Resp: 23272
 Ion Ratio Lower Upper
 166 100
 165 111.4 79.0 118.4
 167 12.8 10.3 15.5



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 0.74 ng
 RT: 15.12 min Scan# 2046
 Delta R.T. -0.01 min
 Lab File: BM009325.D
 Acq: 22 Mar 2017 19:23

Tgt Ion:232 Resp: 4353
 Ion Ratio Lower Upper
 232 100
 131 45.4 0.0 0.0#
 130 2.7 0.0 0.0#
 166 34.9 0.0 0.0#

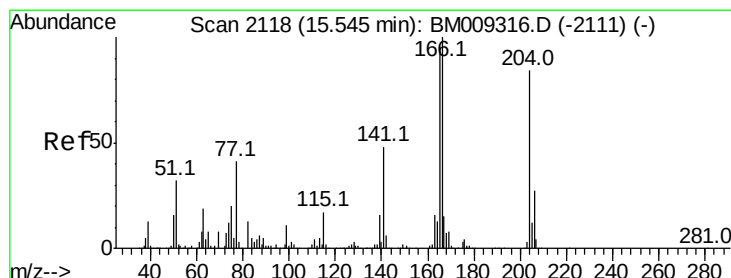
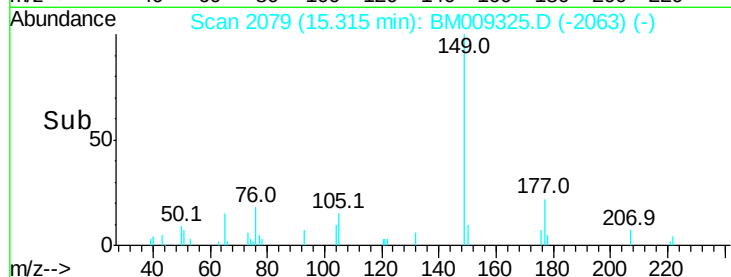
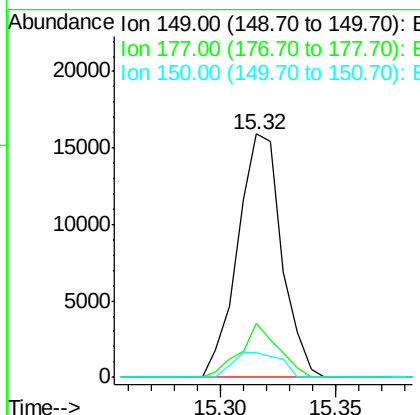
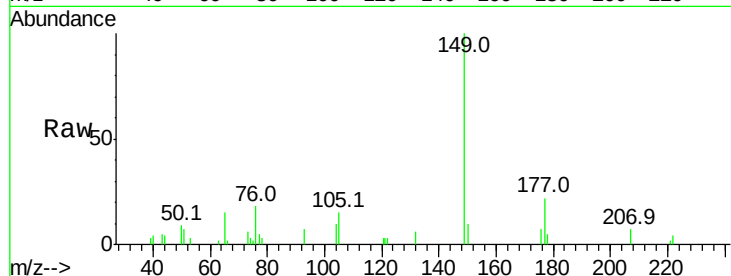




#59
Diethylphthalate
Concen: 0.93 ng
RT: 15.32 min Scan# 2079
Delta R.T. -0.01 min
Lab File: BM009325.D
Acq: 22 Mar 2017 19:23

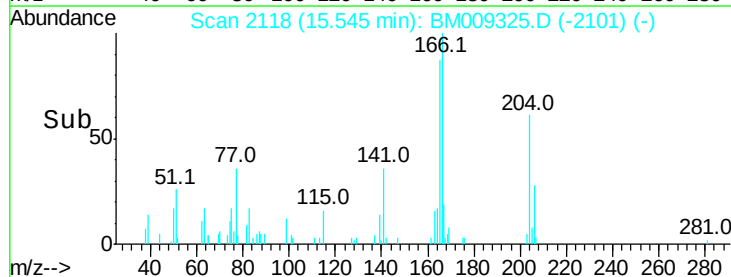
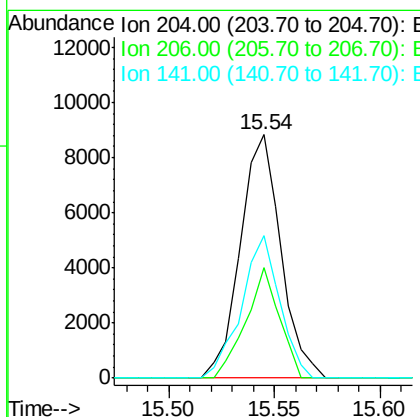
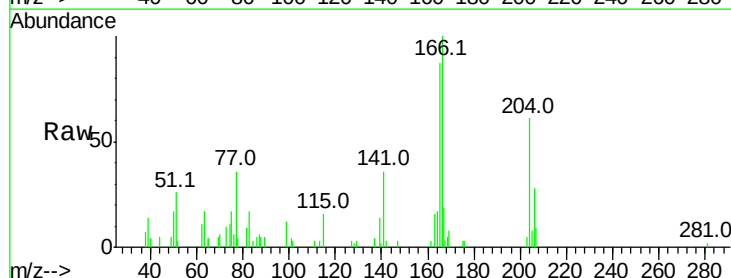
Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT2-2017

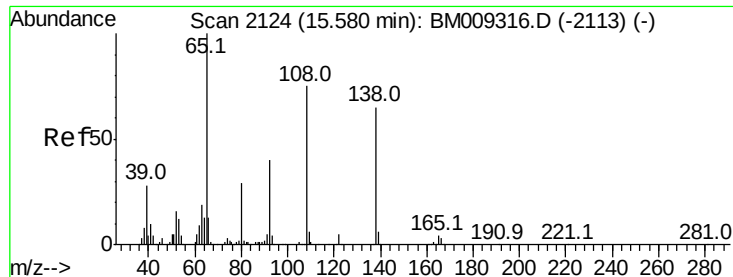
Tot Ion	Ratio	Lower	Upper
149	100		
177	22.5	18.3	27.5
150	10.4	9.8	14.8



#60
4-Chlorophenyl-phenylether
Concen: 0.92 ng
RT: 15.54 min Scan# 2118
Delta R.T. -0.00 min
Lab File: BM009325.D
Acq: 22 Mar 2017 19:23

Tgt Ion	Ratio	Lower	Upper
204	100		
206	45.6	26.6	39.8#
141	58.6	45.2	67.8

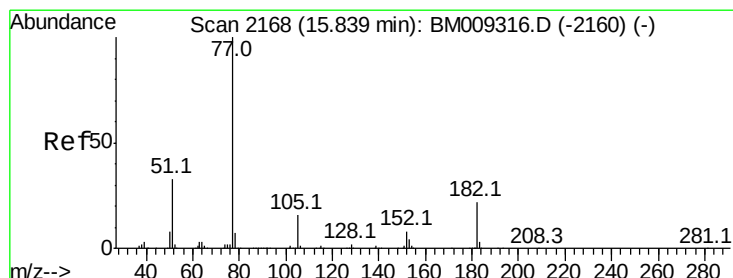
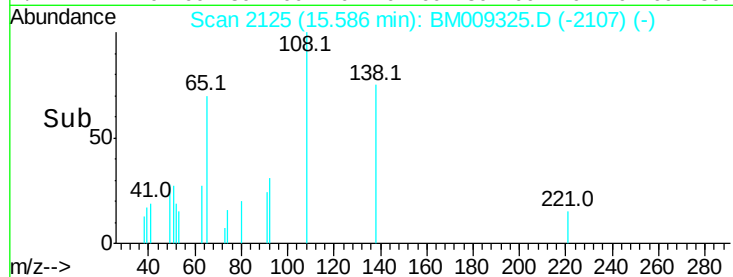
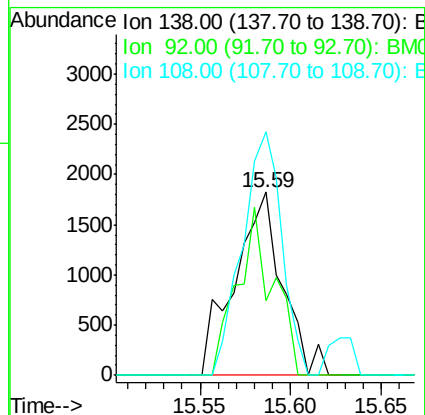
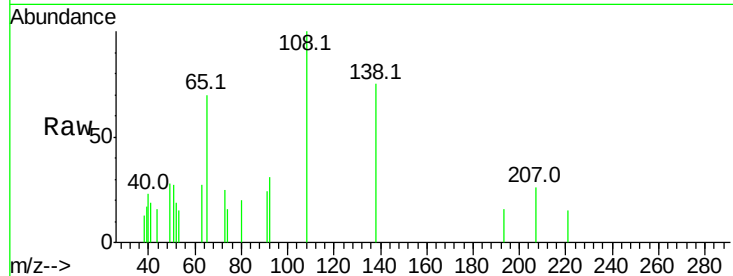




#61
4-Nitroaniline
Concen: 0.65 ng
RT: 15.59 min Scan# 2125
Delta R.T. 0.01 min
Lab File: BM009325.D
Acq: 22 Mar 2017 19:23

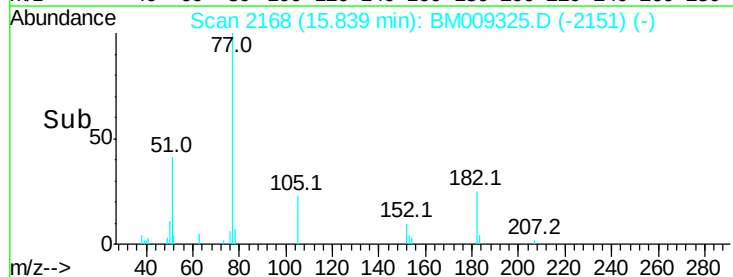
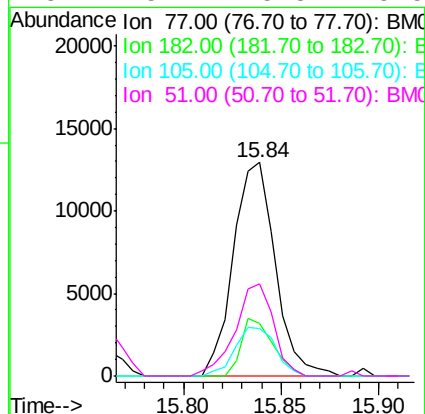
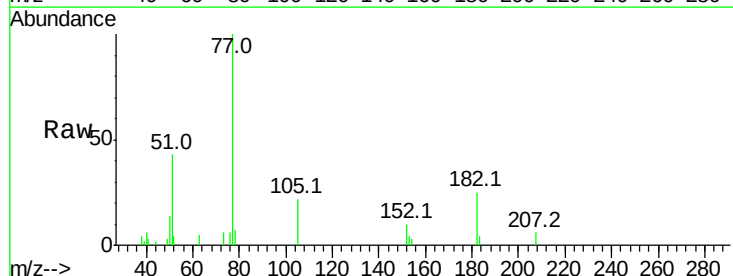
Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT2-2017

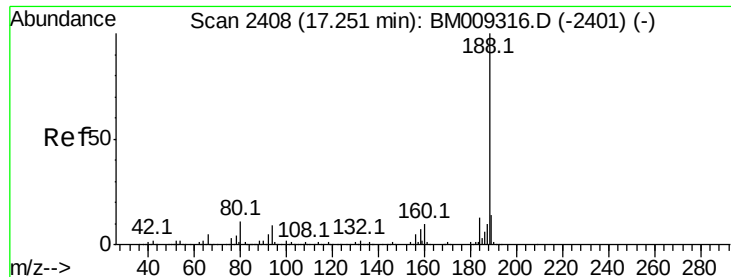
Tot Ion:138 Resp: 3364
Ion Ratio Lower Upper
138 100
92 41.0 16.7 56.7
108 132.9 37.6 77.6#



#62
Azobenzene
Concen: 0.73 ng
RT: 15.84 min Scan# 2168
Delta R.T. -0.00 min
Lab File: BM009325.D
Acq: 22 Mar 2017 19:23

Tgt Ion: 77 Resp: 19289
Ion Ratio Lower Upper
77 100
182 24.7 6.5 46.5
105 22.4 3.8 43.8
51 43.1 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: BM009325.D

Acq: 22 Mar 2017 19:23

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

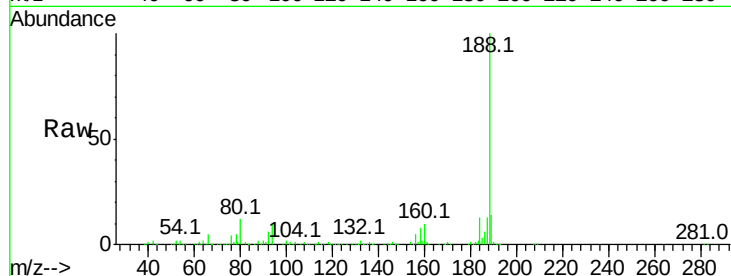
Tot Ion:188 Resp: 649336

Ion Ratio Lower Upper

188 100

94 9.5 8.7 13.1

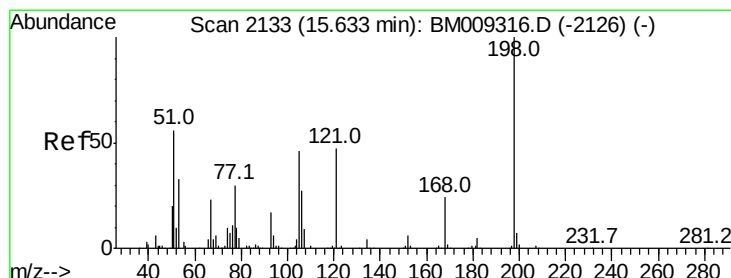
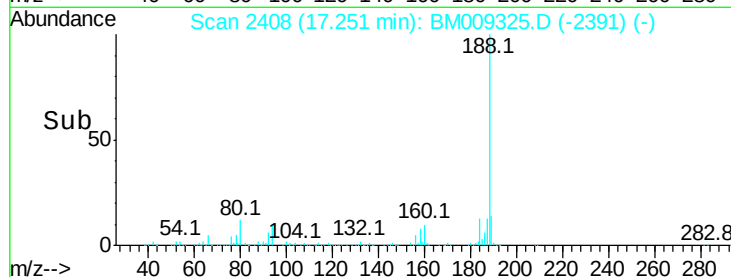
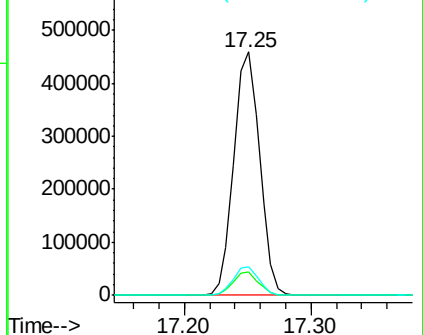
80 11.8 9.3 13.9



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM

Ion 80.00 (79.70 to 80.70): BM



#64

4,6-Dinitro-2-methylphenol

Concen: 0.44 ng

RT: 15.63 min Scan# 2133

Delta R.T. -0.00 min

Lab File: BM009325.D

Acq: 22 Mar 2017 19:23

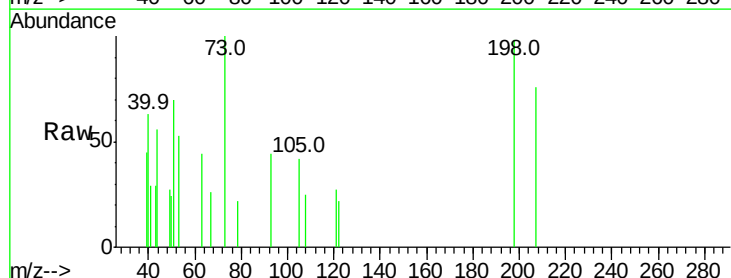
Tgt Ion:198 Resp: 1812

Ion Ratio Lower Upper

198 100

51 71.1 28.8 68.8#

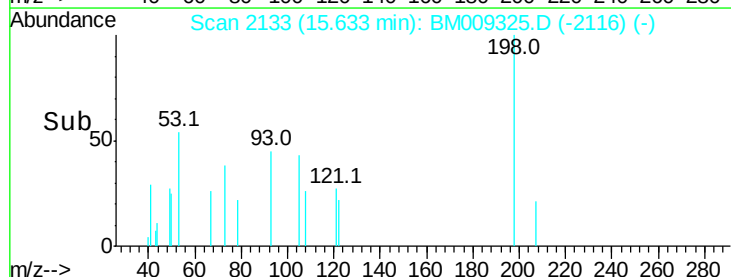
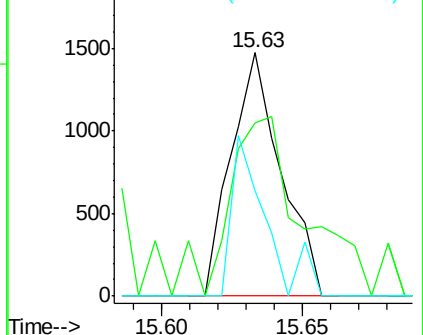
105 43.1 30.5 70.5

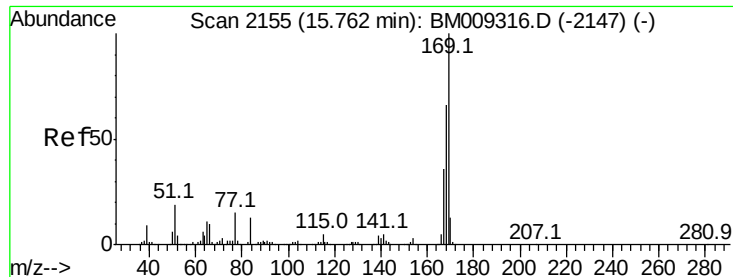


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BM

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 0.86 ng

RT: 15.76 min Scan# 2154

Delta R.T. -0.01 min

Lab File: BM009325.D

Acq: 22 Mar 2017 19:23

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

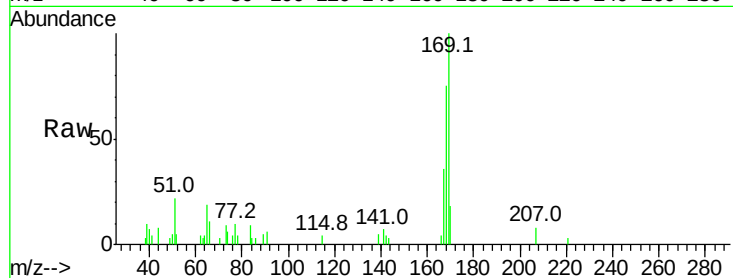
Tot Ion:169 Resp: 16871

Ion Ratio Lower Upper

169 100

168 75.3 53.9 80.9

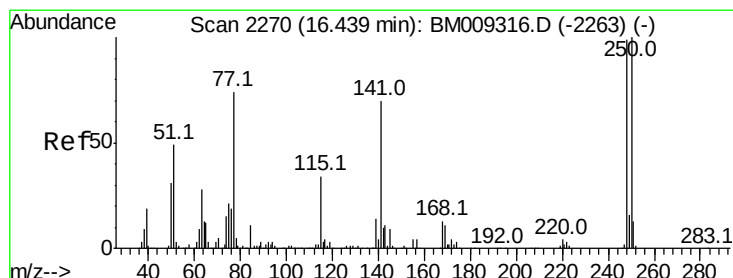
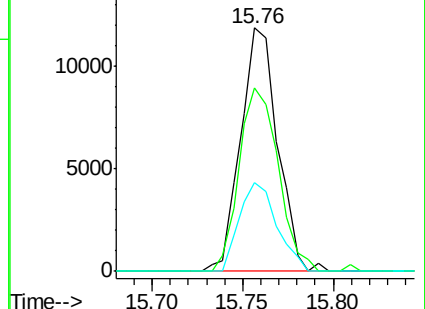
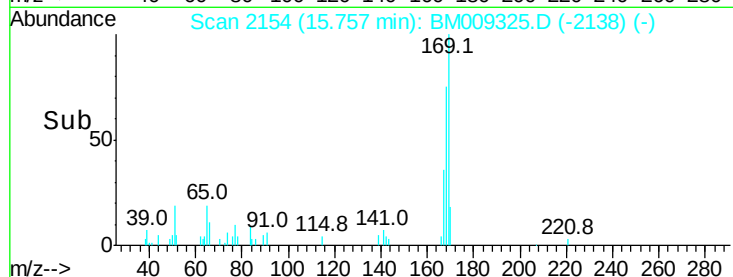
167 36.5 28.9 43.3



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: 1.03 ng

RT: 16.44 min Scan# 2270

Delta R.T. 0.00 min

Lab File: BM009325.D

Acq: 22 Mar 2017 19:23

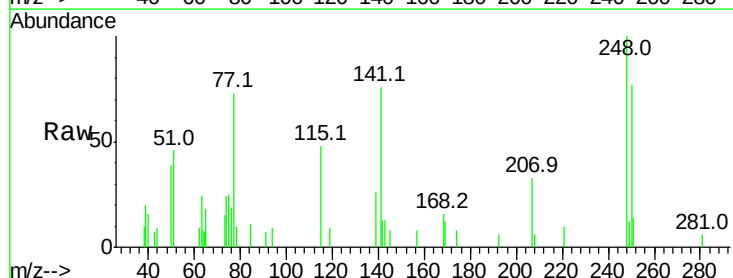
Tgt Ion:248 Resp: 7782

Ion Ratio Lower Upper

248 100

250 76.5 77.4 116.0#

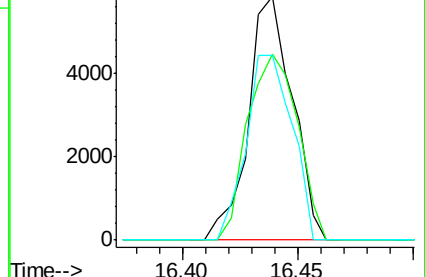
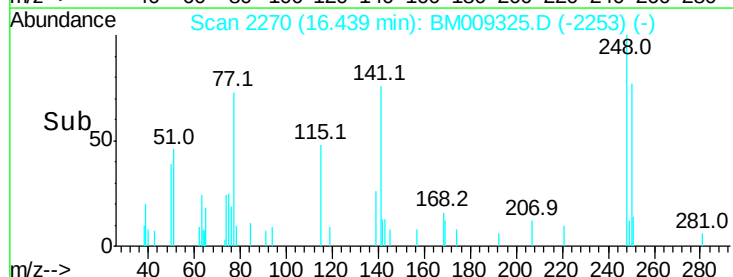
141 75.8 45.2 67.8#

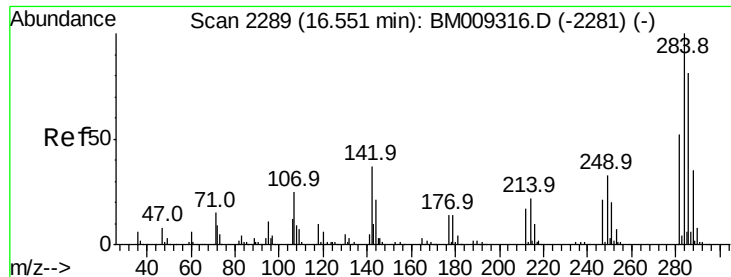


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

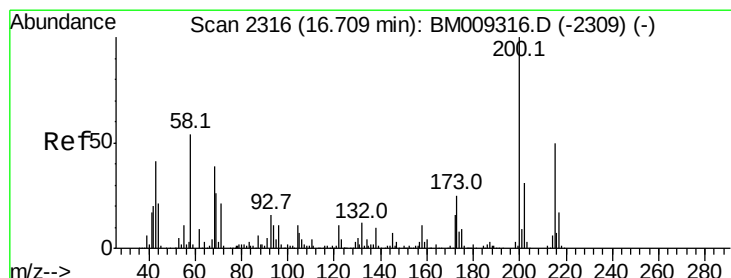
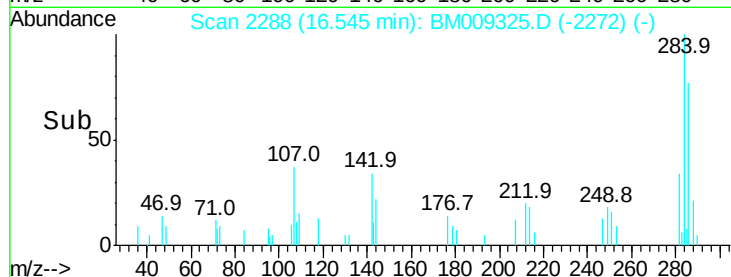
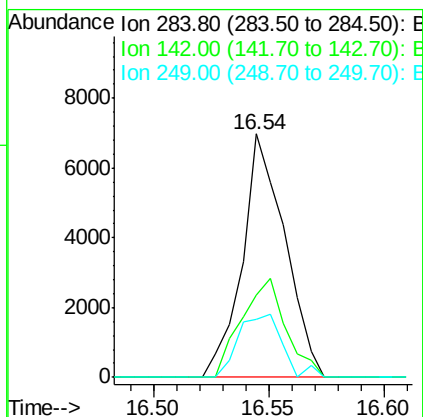
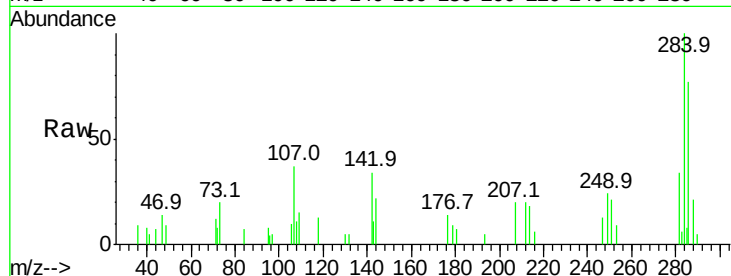




#67
Hexachlorobenzene
Concen: 1.09 ng
RT: 16.54 min Scan# 2288
Delta R.T. -0.01 min
Lab File: BM009325.D
Acq: 22 Mar 2017 19:23

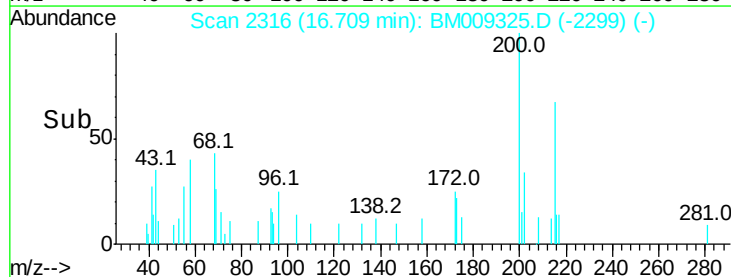
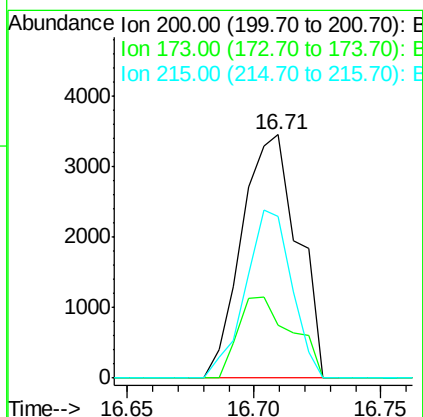
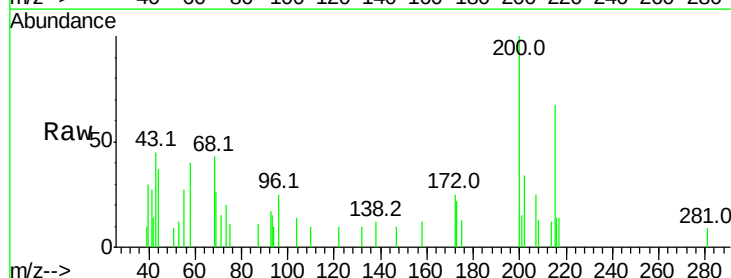
Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT2-2017

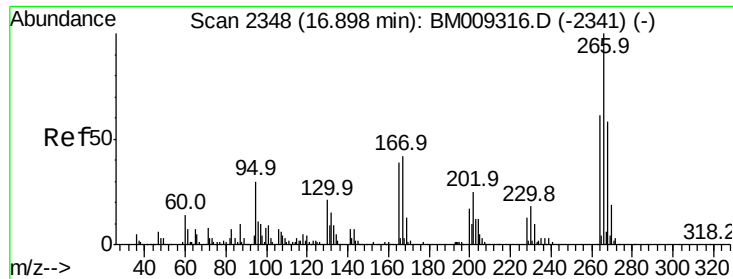
Tot Ion:284 Resp: 9001
Ion Ratio Lower Upper
284 100
142 33.8 20.4 30.6#
249 23.8 23.8 35.6



#68
Atrazine
Concen: 0.71 ng
RT: 16.71 min Scan# 2316
Delta R.T. -0.00 min
Lab File: BM009325.D
Acq: 22 Mar 2017 19:23

Tgt Ion:200 Resp: 5279
Ion Ratio Lower Upper
200 100
173 21.8 4.8 44.8
215 66.6 26.9 66.9





#69

Pentachlorophenol

Concen: 0.70 ng

RT: 16.90 min Scan# 2349

Delta R.T. 0.01 min

Lab File: BM009325.D

Acq: 22 Mar 2017 19:23

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

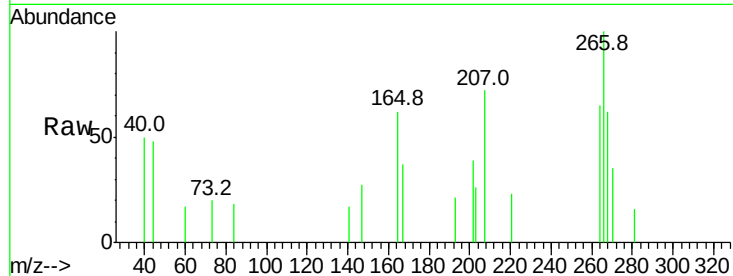
Tot Ion:266 Resp: 3519

Ion Ratio Lower Upper

266 100

268 62.3 52.0 78.0

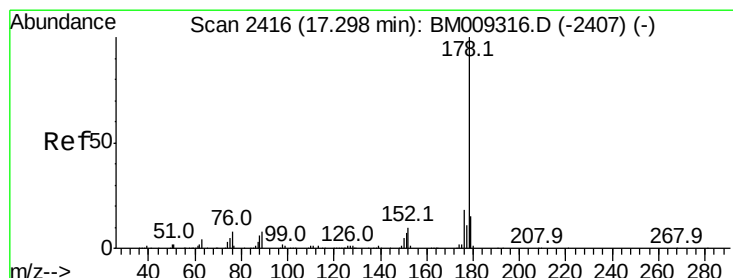
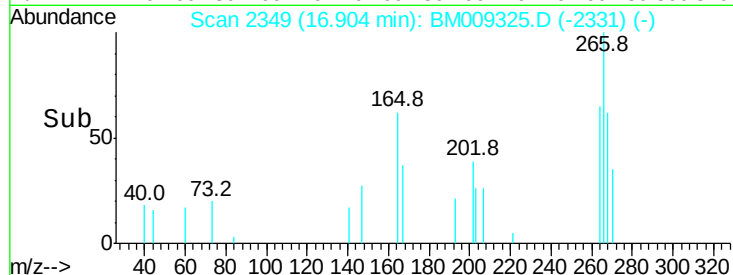
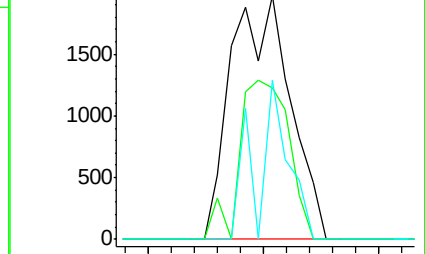
264 65.2 49.0 73.4



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#70

Phenanthrene

Concen: 1.02 ng

RT: 17.29 min Scan# 2415

Delta R.T. -0.01 min

Lab File: BM009325.D

Acq: 22 Mar 2017 19:23

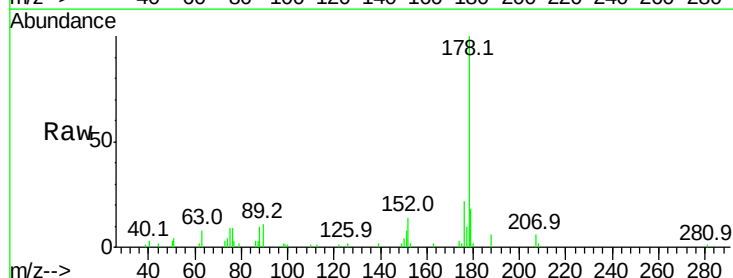
Tgt Ion:178 Resp: 37884

Ion Ratio Lower Upper

178 100

176 22.0 15.2 22.8

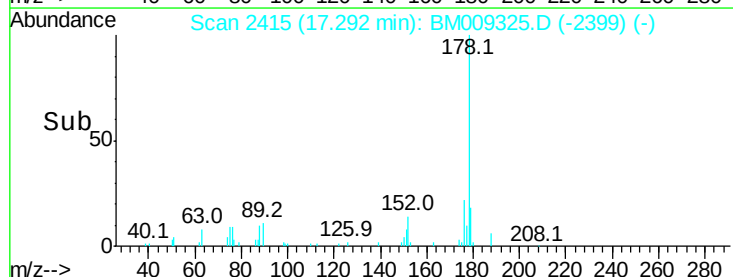
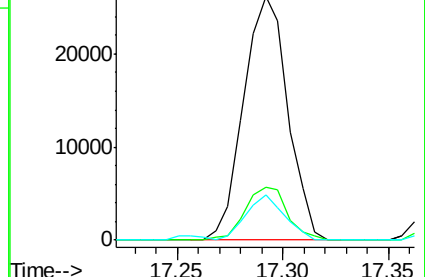
179 18.4 12.1 18.1#

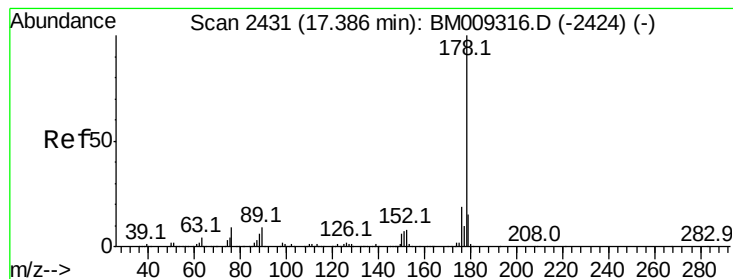


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 0.89 ng

RT: 17.38 min Scan# 2430

Delta R.T. -0.01 min

Lab File: BM009325.D

Acq: 22 Mar 2017 19:23

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

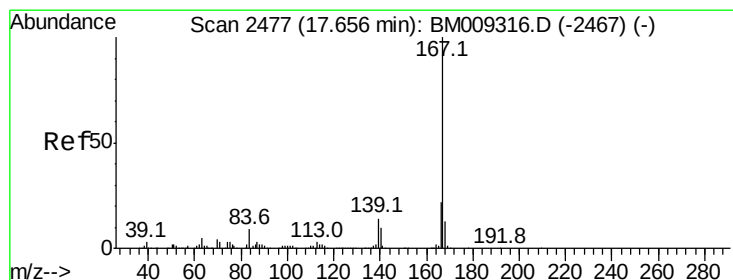
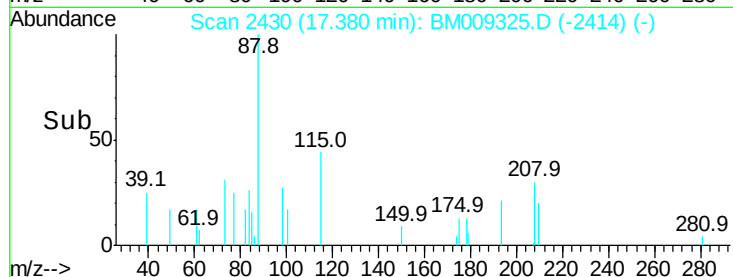
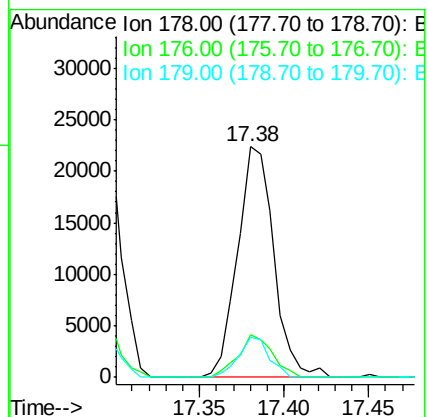
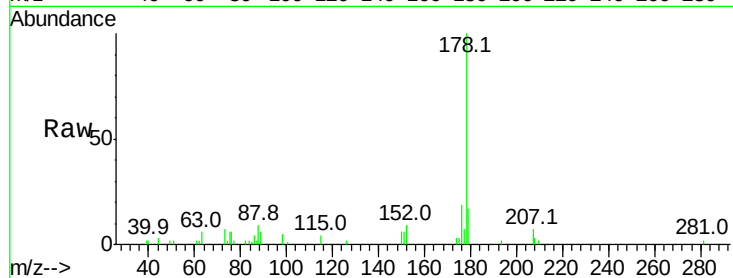
Tot Ion:178 Resp: 33567

Ion Ratio Lower Upper

178 100

176 18.5 14.6 22.0

179 17.4 12.6 19.0



#72

Carbazole

Concen: 0.83 ng

RT: 17.66 min Scan# 2477

Delta R.T. 0.00 min

Lab File: BM009325.D

Acq: 22 Mar 2017 19:23

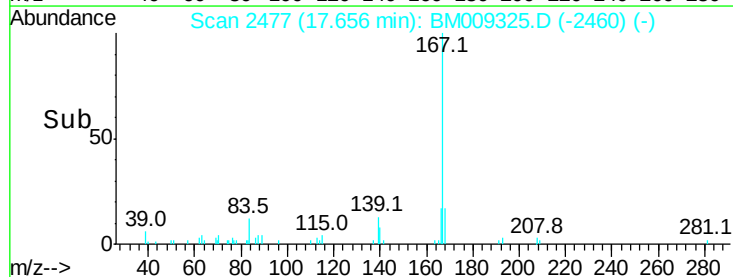
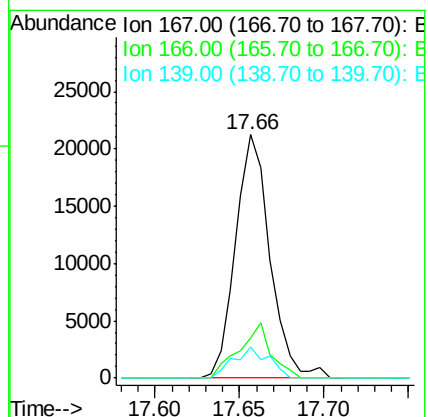
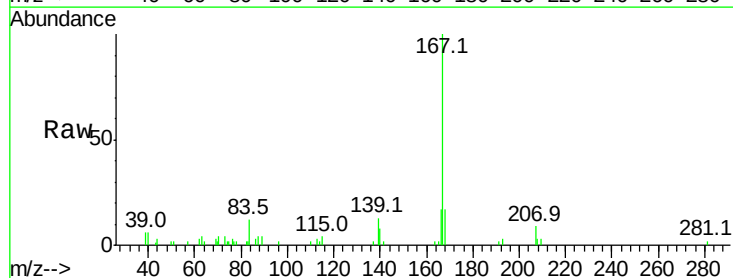
Tgt Ion:167 Resp: 30061

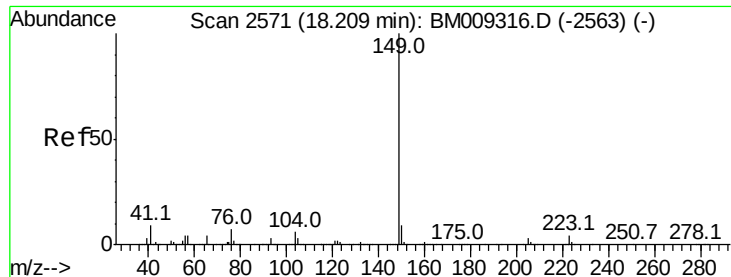
Ion Ratio Lower Upper

167 100

166 16.5 17.2 25.8#

139 12.6 10.8 16.2

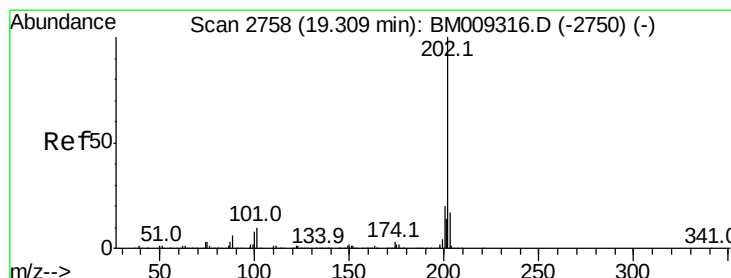
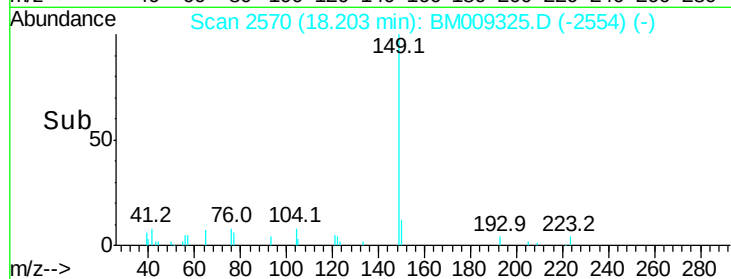
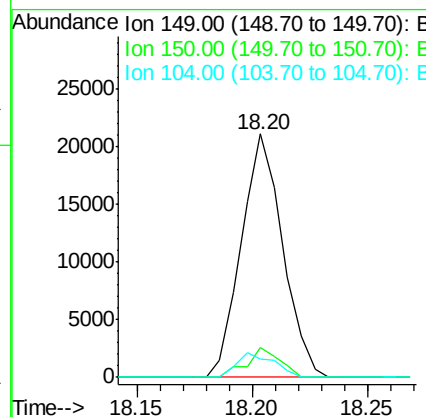
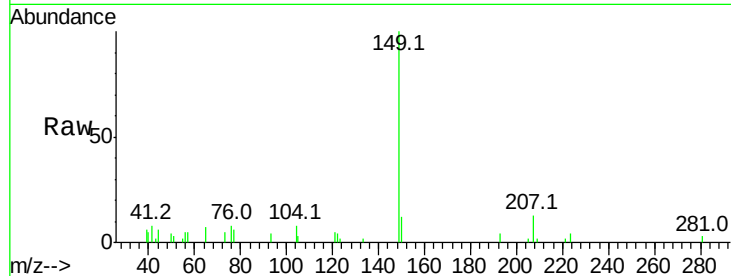




#73
Di-n-butylphthalate
Concen: 0.72 ng
RT: 18.20 min Scan# 2570
Delta R.T. -0.01 min
Lab File: BM009325.D
Acq: 22 Mar 2017 19:23

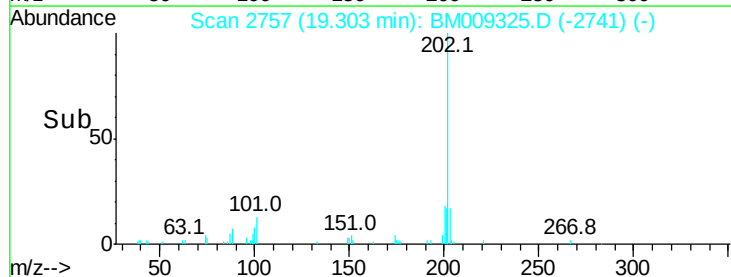
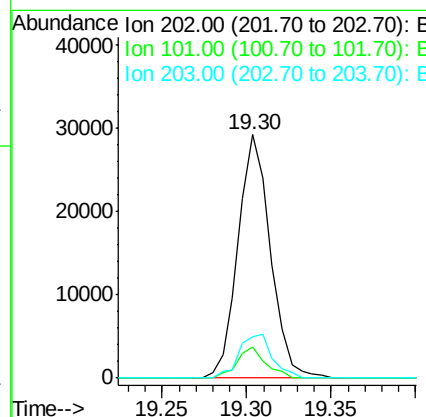
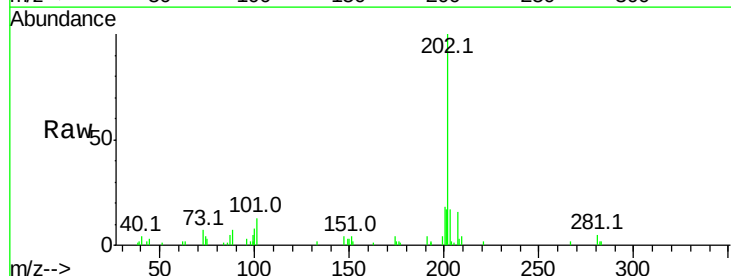
Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT2-2017

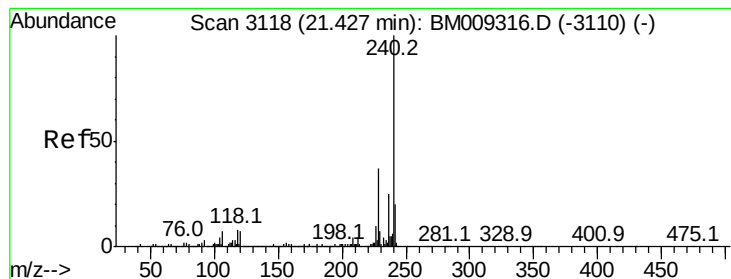
Tot Ion:149 Resp: 26327
Ion Ratio Lower Upper
149 100
150 12.2 7.5 11.3#
104 7.5 3.7 5.5#



#74
Fluoranthene
Concen: 0.89 ng
RT: 19.30 min Scan# 2757
Delta R.T. -0.01 min
Lab File: BM009325.D
Acq: 22 Mar 2017 19:23

Tgt Ion:202 Resp: 39000
Ion Ratio Lower Upper
202 100
101 12.8 0.0 28.7
203 16.7 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: BM009325.D

Acq: 22 Mar 2017 19:23

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

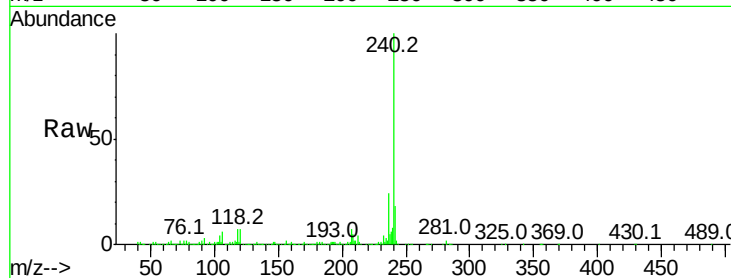
Tot Ion:240 Resp: 800685

Ion Ratio Lower Upper

240 100

120 6.9 8.2 12.2#

236 23.6 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

21.43

800000

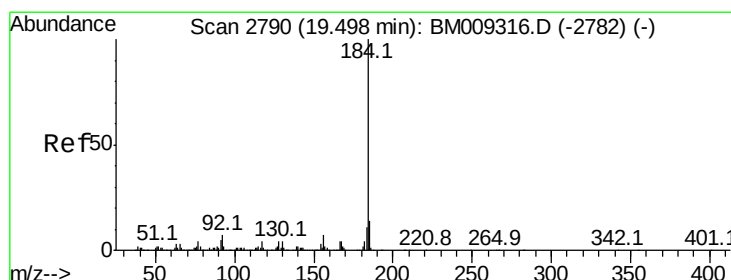
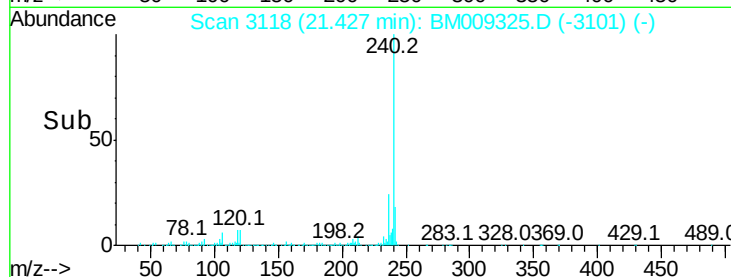
600000

400000

200000

0

Time-->



#76

Benzidine

Concen: 0.50 ng

RT: 19.49 min Scan# 2789

Delta R.T. -0.01 min

Lab File: BM009325.D

Acq: 22 Mar 2017 19:23

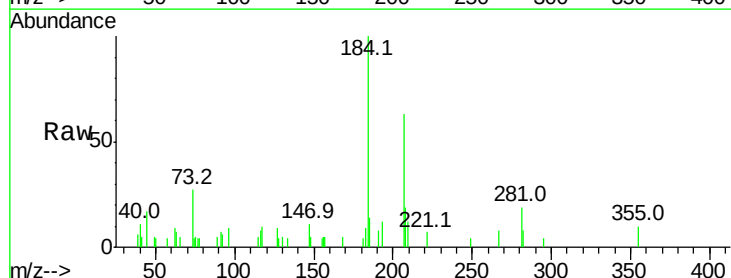
Tgt Ion:184 Resp: 11999

Ion Ratio Lower Upper

184 100

185 14.1 11.3 16.9

183 9.1 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

19.49

10000

8000

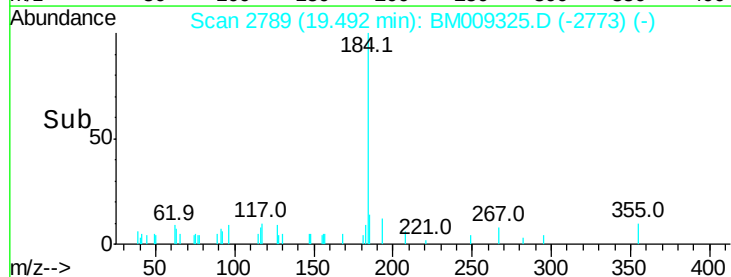
6000

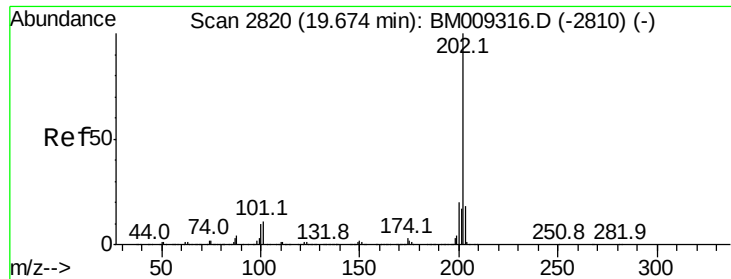
4000

2000

0

Time-->





#77

Pvrene

Concen: 0.89 ng

RT: 19.67 min Scan# 2819

Delta R.T. -0.01 min

Lab File: BM009325.D

Acq: 22 Mar 2017 19:23

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

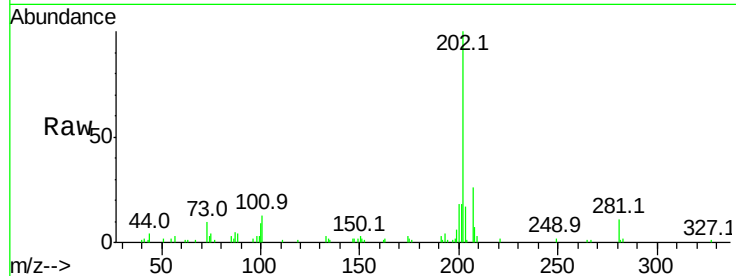
Tot Ion:202 Resp: 40517

Ion Ratio Lower Upper

202 100

200 18.5 16.9 25.3

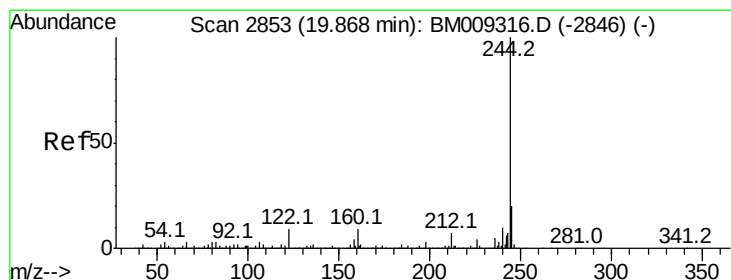
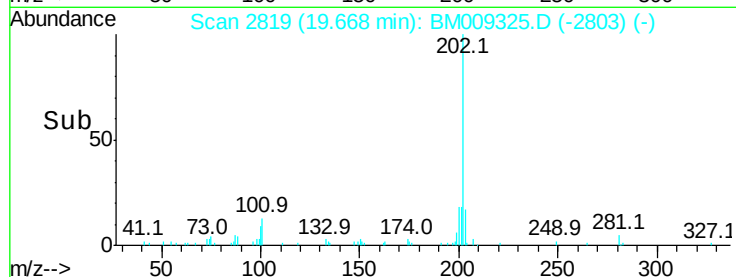
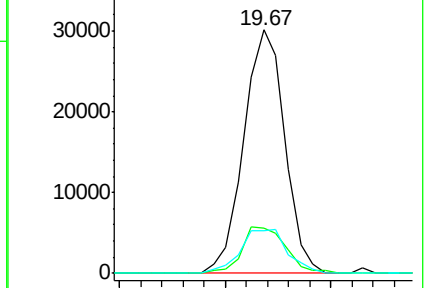
203 17.3 14.1 21.1



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: 82.56 ng

RT: 19.87 min Scan# 2853

Delta R.T. 0.00 min

Lab File: BM009325.D

Acq: 22 Mar 2017 19:23

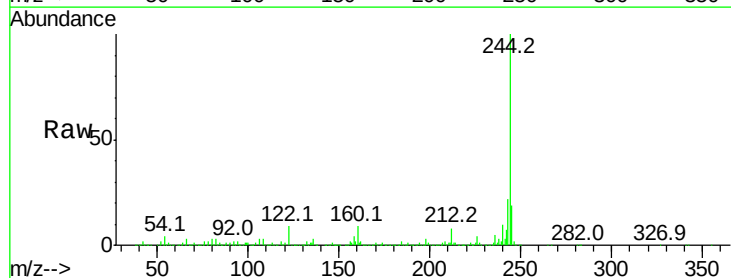
Tgt Ion:244 Resp: 3163561

Ion Ratio Lower Upper

244 100

212 7.5 4.9 7.3#

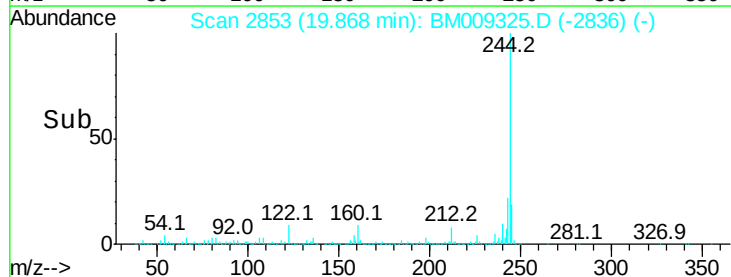
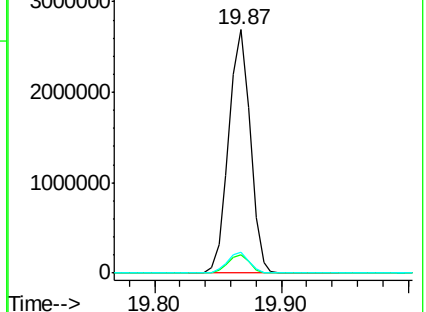
122 8.8 6.2 9.4

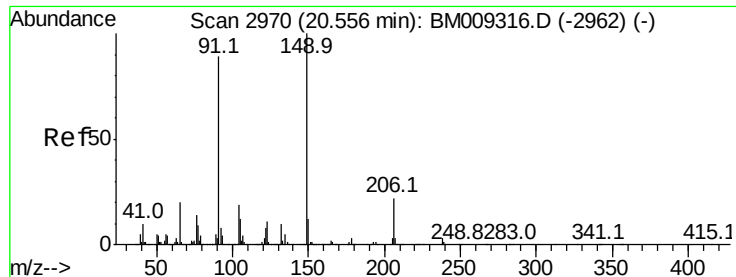


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

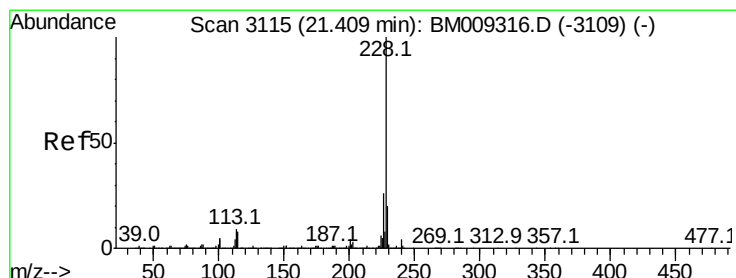
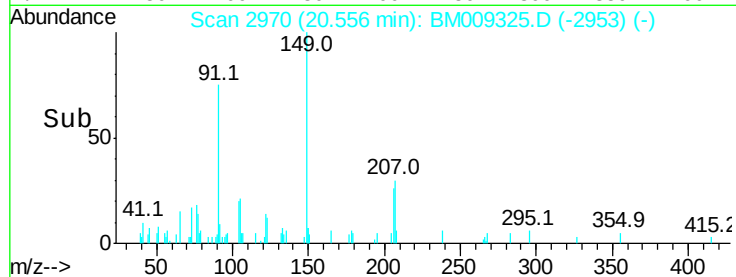
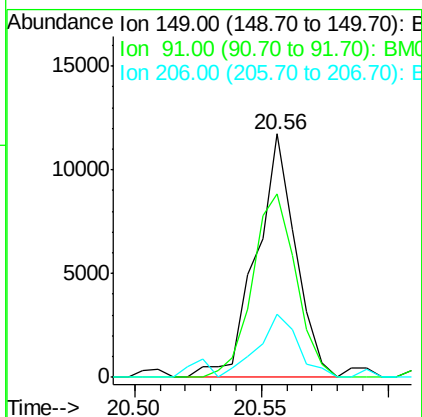
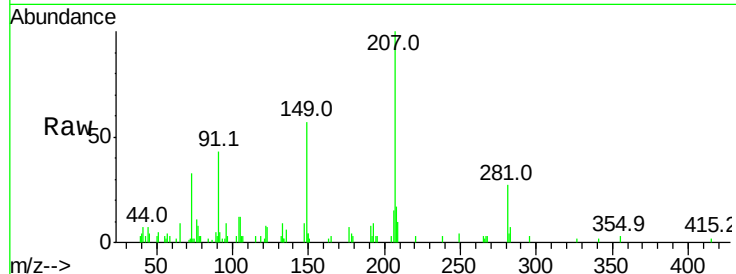




#79
Butylbenzylphthalate
Concen: 0.78 ng
RT: 20.56 min Scan# 2970
Delta R.T. -0.00 min
Lab File: BM009325.D
Acq: 22 Mar 2017 19:23

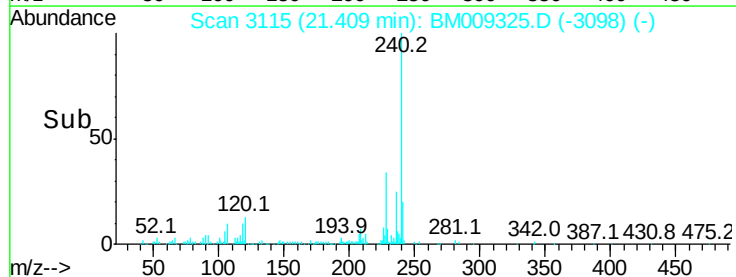
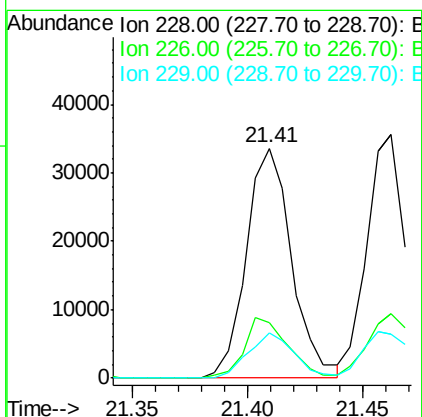
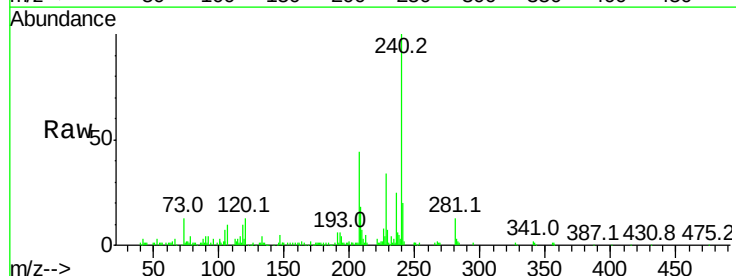
Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT2-2017

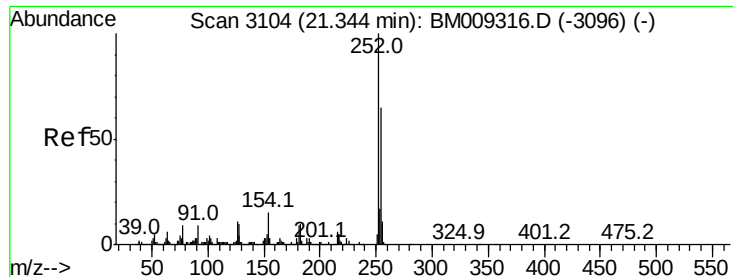
Tot Ion	Ratio	Lower	Upper
149	100		
91	75.2	50.1	75.1#
206	26.1	16.2	24.2#



#80
Benzo(a)anthracene
Concen: 0.98 ng
RT: 21.41 min Scan# 3115
Delta R.T. -0.00 min
Lab File: BM009325.D
Acq: 22 Mar 2017 19:23

Tgt Ion	Ratio	Lower	Upper
228	100		
226	24.3	21.7	32.5
229	19.7	16.0	24.0





#81

3,3'-Dichlorobenzidine

Concen: 0.78 ng

RT: 21.34 min Scan# 3104

Delta R.T. -0.00 min

Lab File: BM009325.D

Acq: 22 Mar 2017 19:23

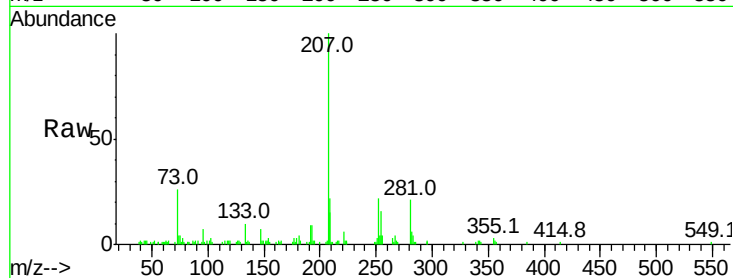
Instrument :

BNA_M

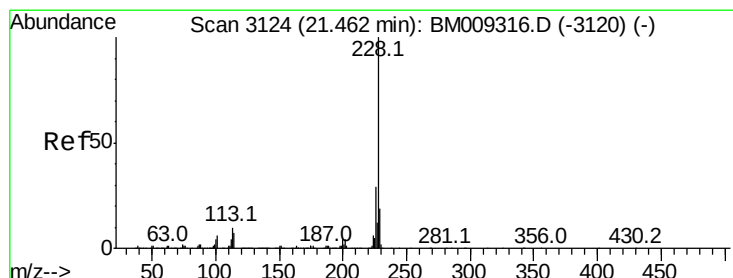
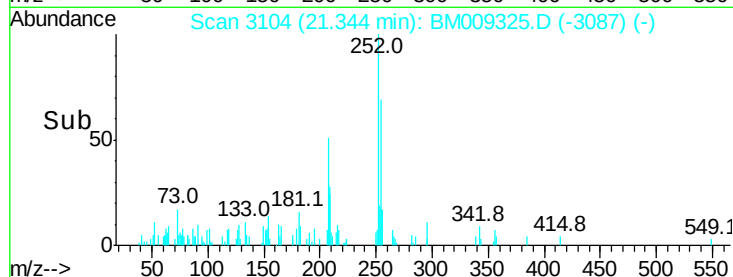
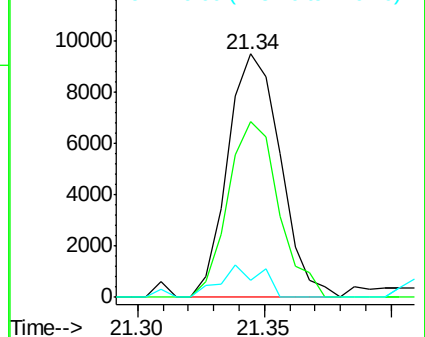
ClientSampleId :

LOD-SOIL-01-QT2-2017

Tot Ion:252	Resp:	13691
Ion Ratio	Lower	Upper
252	100	
254	72.5	51.9 77.9
126	6.8	9.8 14.8#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E



#82

Chrysene

Concen: 0.96 ng

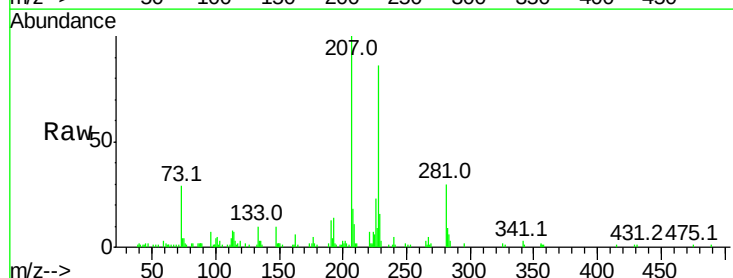
RT: 21.46 min Scan# 3124

Delta R.T. 0.00 min

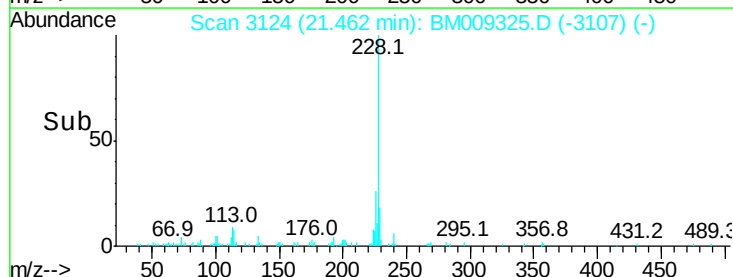
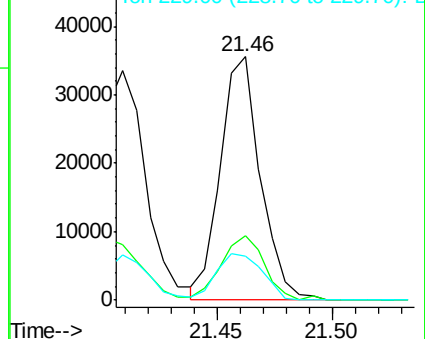
Lab File: BM009325.D

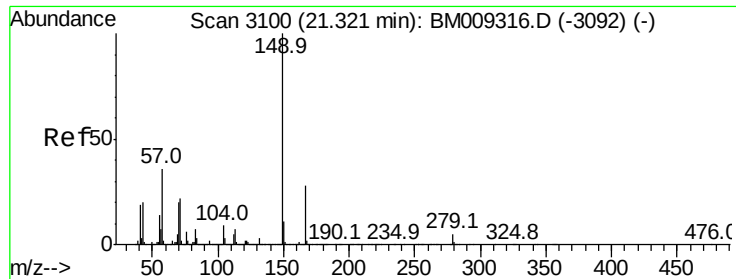
Acq: 22 Mar 2017 19:23

Tgt Ion:228	Resp:	42969
Ion Ratio	Lower	Upper
228	100	
226	26.3	24.1 36.1
229	18.2	15.5 23.3



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

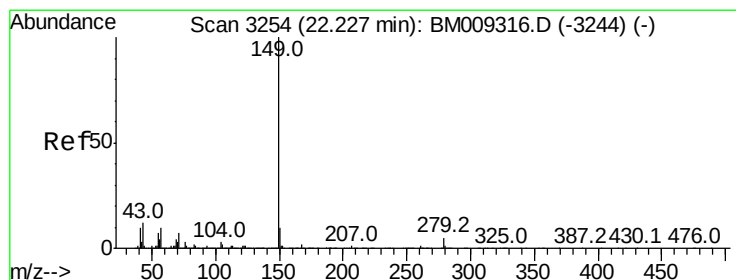
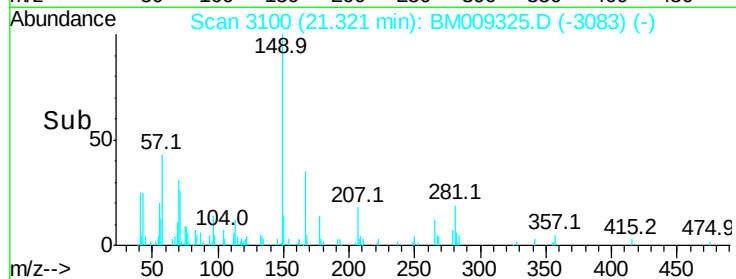
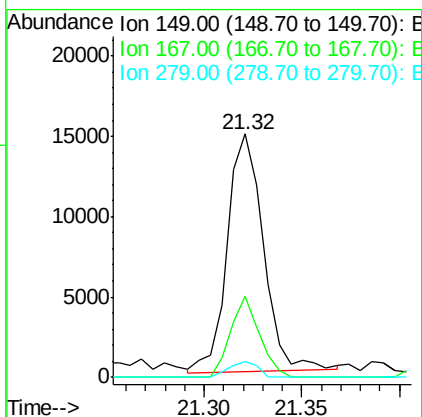
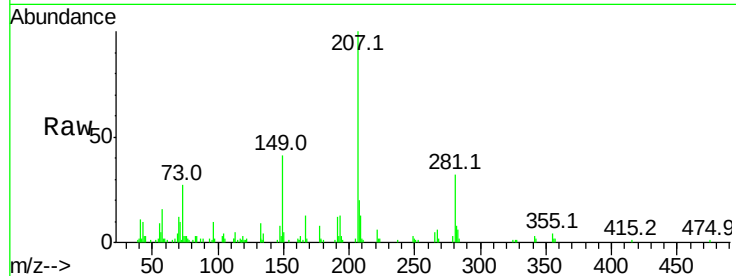




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 0.78 ng
 RT: 21.32 min Scan# 3100
 Delta R.T. 0.00 min
 Lab File: BM009325.D
 Acq: 22 Mar 2017 19:23

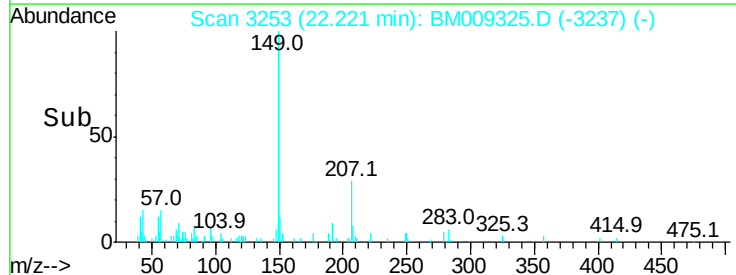
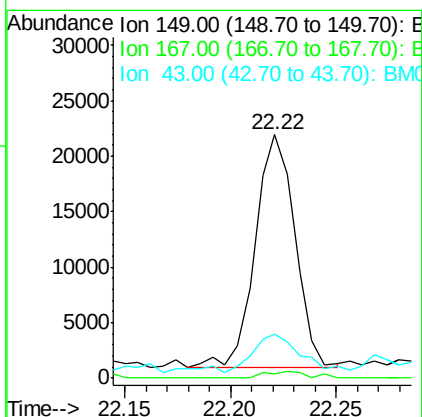
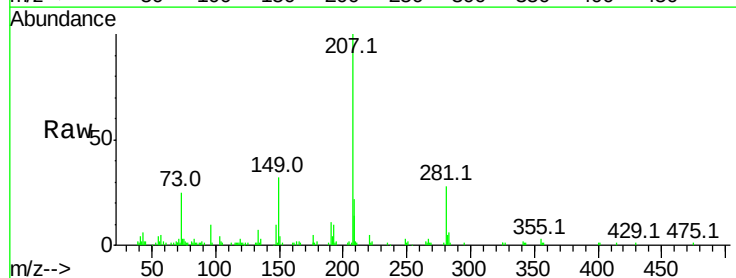
Instrument :
 BNA_M
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

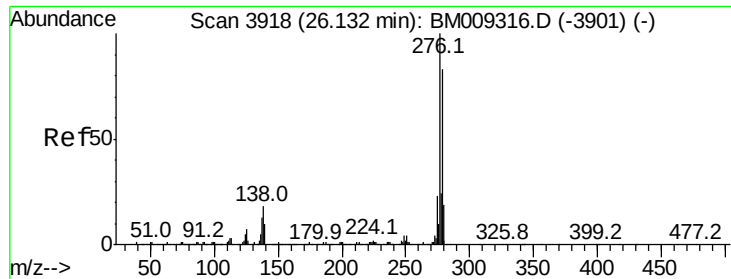
Tot Ion	Ratio	Lower	Upper
149	100		
167	33.0	22.4	33.6
279	6.5	3.4	5.0



#84
 Di-n-octyl phthalate
 Concen: 0.68 ng
 RT: 22.22 min Scan# 3253
 Delta R.T. -0.01 min
 Lab File: BM009325.D
 Acq: 22 Mar 2017 19:23

Tgt Ion	Ratio	Lower	Upper
149	100		
167	3.0	1.2	1.8
43	18.2	7.3	10.9

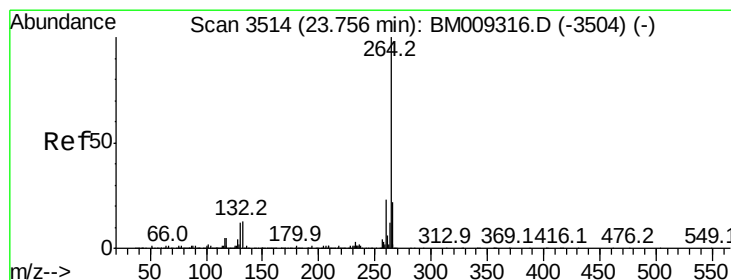
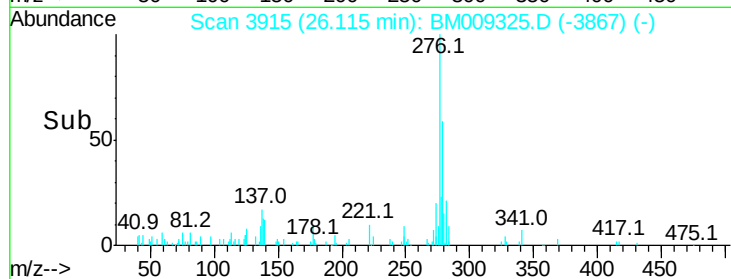
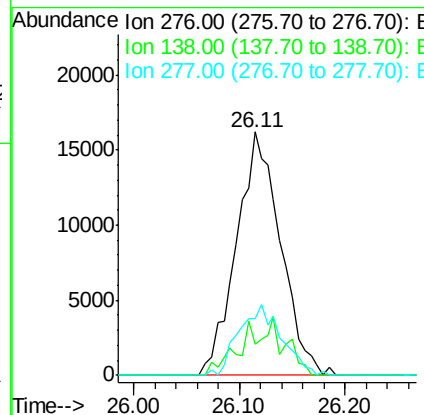
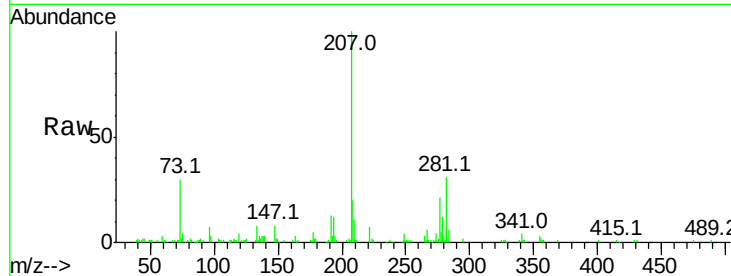




#85
Indeno(1,2,3-cd)pyrene
Concen: 0.96 ng
RT: 26.11 min Scan# 3915
Delta R.T. -0.02 min
Lab File: BM009325.D
Acq: 22 Mar 2017 19:23

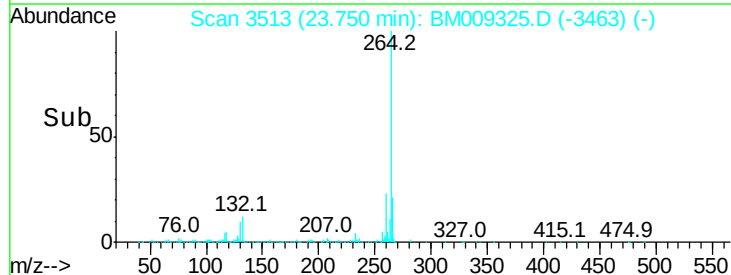
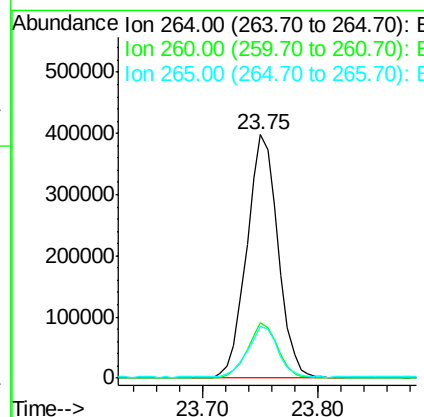
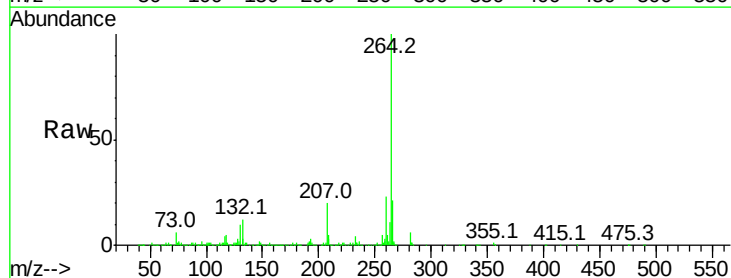
Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT2-2017

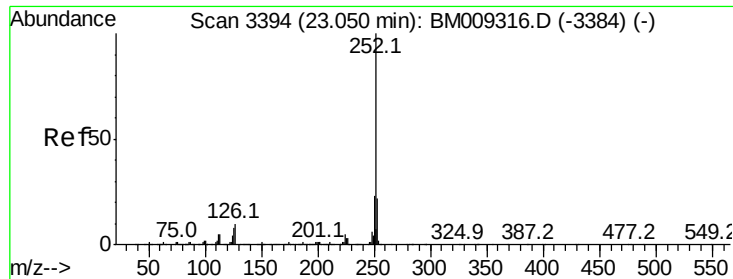
Tot Ion:276 Resp: 46858
Ion Ratio Lower Upper
276 100
138 9.6 0.0 0.0#
277 28.2 0.0 0.0#



#86
Perylene-d12
Concen: 20.00 ng
RT: 23.75 min Scan# 3513
Delta R.T. -0.01 min
Lab File: BM009325.D
Acq: 22 Mar 2017 19:23

Tgt Ion:264 Resp: 750972
Ion Ratio Lower Upper
264 100
260 22.7 18.6 27.8
265 21.2 17.3 25.9





#87

Benzo(b)fluoranthene

Concen: 0.97 ng

RT: 23.04 min Scan# 3393

Delta R.T. -0.01 min

Lab File: BM009325.D

Acq: 22 Mar 2017 19:23

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

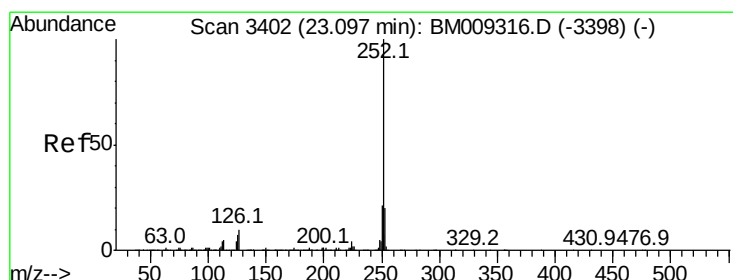
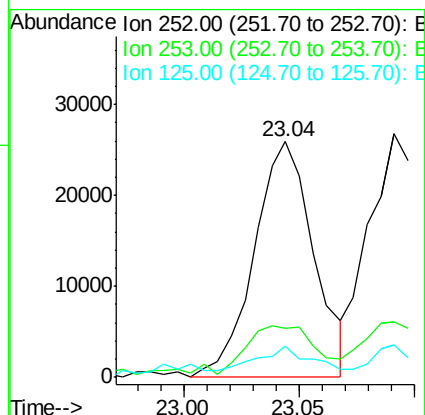
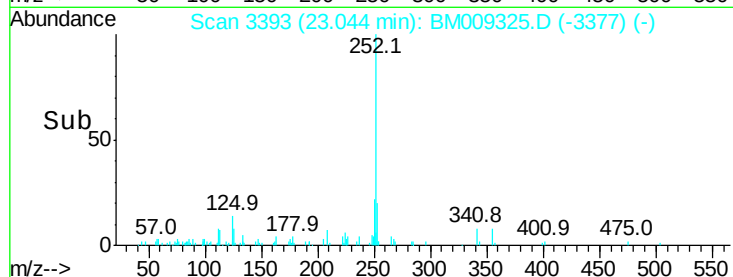
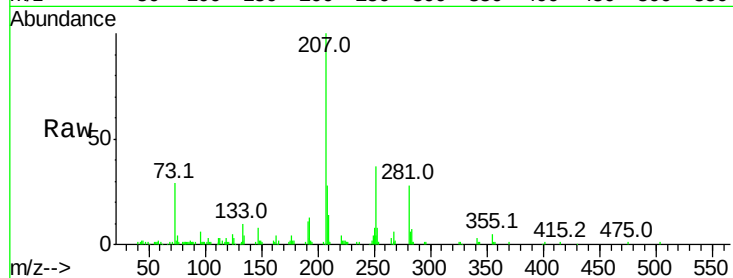
Tot Ion:252 Resp: 46390

Ion Ratio Lower Upper

252 100

253 20.9 18.0 27.0

125 13.3 9.9 14.9



#88

Benzo(k)fluoranthene

Concen: 1.00 ng

RT: 23.09 min Scan# 3401

Delta R.T. -0.01 min

Lab File: BM009325.D

Acq: 22 Mar 2017 19:23

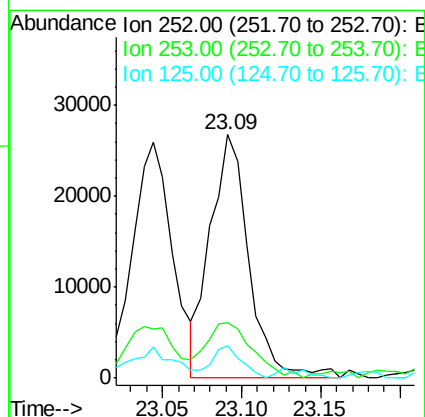
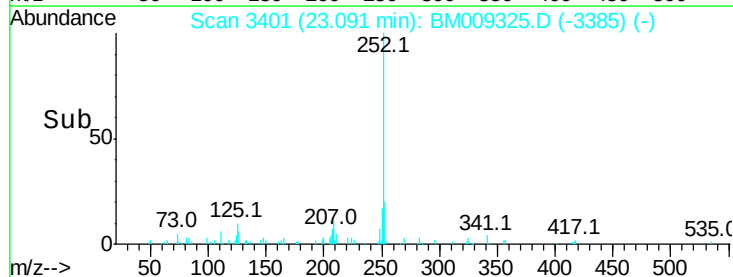
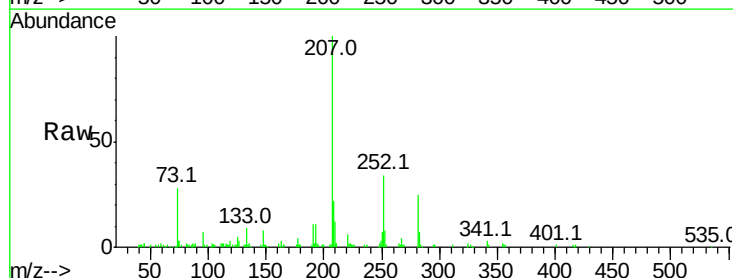
Tgt Ion:252 Resp: 45644

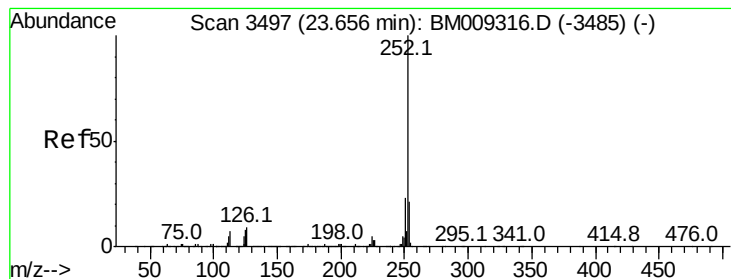
Ion Ratio Lower Upper

252 100

253 23.0 17.2 25.8

125 13.4 8.1 12.1#





#89

Benzo(a)pyrene

Concen: 0.99 ng

RT: 23.64 min Scan# 3495

Delta R.T. -0.01 min

Lab File: BM009325.D

Acq: 22 Mar 2017 19:23

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

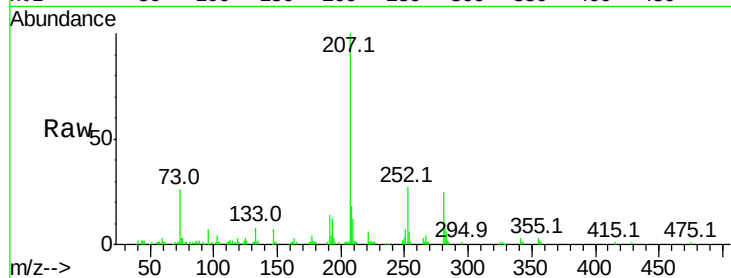
Tot Ion:252 Resp: 43532

Ion Ratio Lower Upper

252 100

253 21.8 17.6 26.4

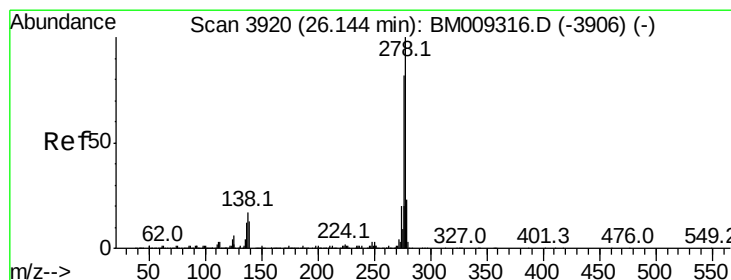
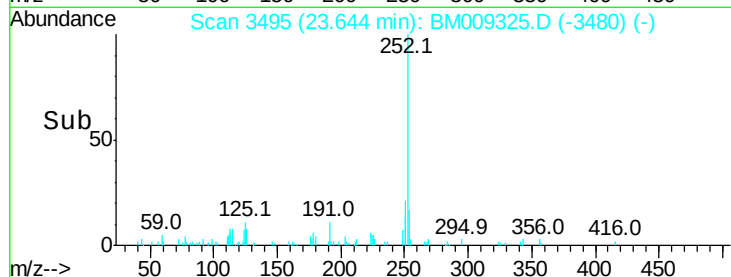
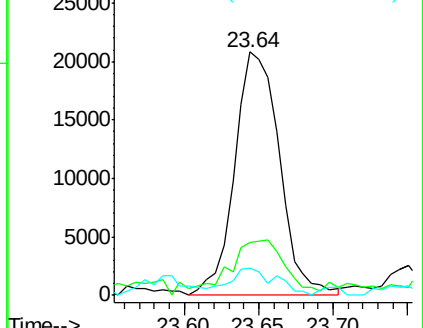
125 11.0 7.4 11.2



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: 0.97 ng

RT: 26.14 min Scan# 3919

Delta R.T. -0.01 min

Lab File: BM009325.D

Acq: 22 Mar 2017 19:23

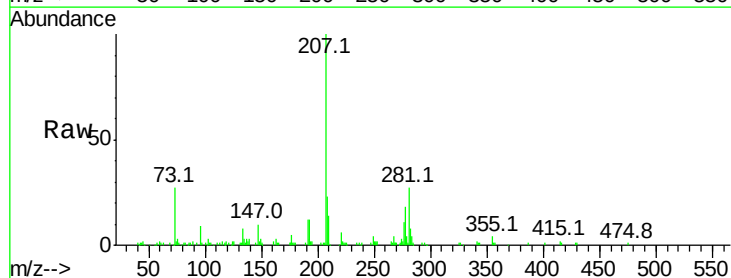
Tgt Ion:278 Resp: 42069

Ion Ratio Lower Upper

278 100

139 17.1 13.4 20.0

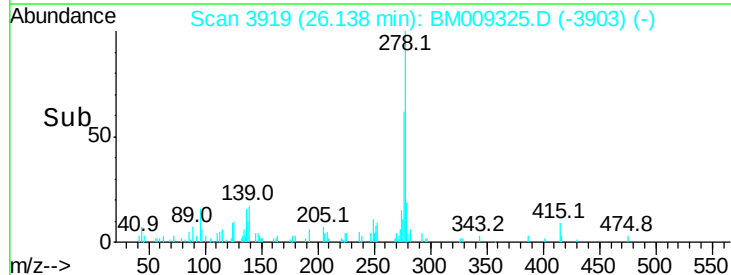
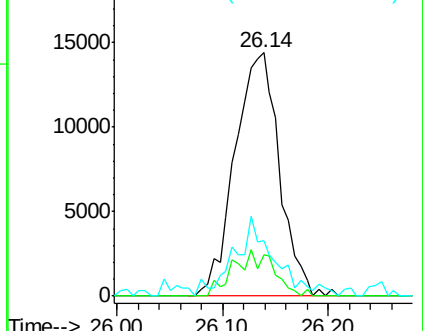
279 22.9 19.0 28.4

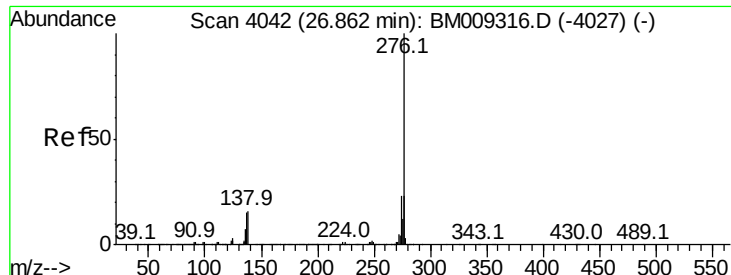


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.97 ng

RT: 26.84 min Scan# 4039

Delta R.T. -0.02 min

Lab File: BM009325.D

Acq: 22 Mar 2017 19:23

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

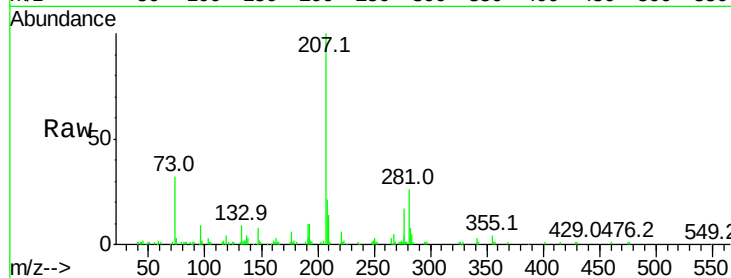
Tot Ion:276 Resp: 40981

Ion Ratio Lower Upper

276 100

277 25.4 18.5 27.7

138 20.8 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

