

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122914\
 Data File : BM000069.D
 Acq On : 29 Dec 2014 21:30
 Operator : TP
 Sample : MDL-03-S
 Misc : MDL--SOIL-4PPM
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-Soil-3

Quant Time: Dec 31 03:04:39 2014
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM122914.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 31 02:57:11 2014
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	244126	20.00	ng/ul	0.00
18) Naphthalene-d8	10.64	136	1081519	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.48	164	770211	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.23	188	1567862	20.00	ng/ul	0.00
75) Chrysene-d12	21.41	240	1564697	20.00	ng/ul	0.00
83) Perylene-d12	23.71	264	1231150	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.33	96	33050	7.85	ng/uL	0.00
5) Phenol-d5	7.00	99	714834	33.80	ng/ul	-0.01
7) Bis-(2-Chloroethyl)ether-d	7.18	67	448767	34.71	ng/ul	0.00
9) 2-Chlorophenol-d4	7.37	132	519216	34.48	ng/ul	0.00
13) 4-Methylphenol-d8	8.54	113	567013	33.94	ng/ul	0.00
19) Nitrobenzene-d5	9.00	128	266113	35.58	ng/ul	0.00
22) 2-Nitrophenol-d4	9.72	143	289426	37.96	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.25	165	556425	32.86	ng/ul	0.00
29) 4-Chloroaniline-d4	10.77	131	764434	39.96	ng/ul	0.00
43) Dimethylphthalate-d6	13.89	166	1967815	34.64	ng/ul	0.00
46) Acenaphthylene-d8	14.17	160	2332257	34.27	ng/ul	0.00
51) 4-Nitrophenol-d4	14.67	143	293765	32.01	ng/ul	0.00
57) Fluorene-d10	15.47	176	1634016	33.50	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.58	200	187802	24.15	ng/ul	0.00
70) Anthracene-d10	17.32	188	2537772	35.00	ng/ul	0.00
76) Pyrene-d10	19.61	212	2699683	37.40	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.57	264	2010485	36.19	ng/ul	0.01

Target Compounds

					Qvalue
2) 1,4-Dioxane	3.36	88	18097	3.10 ng/uL#	91
4) Benzaldehyde	6.98	77	45949	3.49 ng/ul	97
6) Phenol	7.03	94	63181	2.87 ng/ul	99
8) Bis(2-Chloroethyl)ether	7.27	93	53161	3.16 ng/ul	95
10) 2-Chlorophenol	7.41	128	46760	2.97 ng/ul	98
11) 2-Methylphenol	8.28	108	47618	2.80 ng/ul	98
12) 2,2'-oxybis(1-Chloropropan	8.38	45	84644	3.12 ng/ul	99
14) Acetophenone	8.66	105	81896	2.87 ng/ul	96
15) N-Nitroso-di-n-propylamine	8.65	70	44279	2.97 ng/ul	97
16) 4-Methylphenol	8.61	108	53352	2.90 ng/ul	97
17) Hexachloroethane	8.93	117	21483	2.98 ng/ul	100
20) Nitrobenzene	9.04	77	71336	3.20 ng/ul	99
21) Isophorone	9.57	82	121688	2.83 ng/ul	98
23) 2-Nitrophenol	9.75	139	25900	3.07 ng/ul#	89
24) 2,4-Dimethylphenol	9.81	107	65340	2.86 ng/ul	94
25) Bis(2-Chloroethoxy)methane	10.05	93	70917	2.96 ng/ul	97
27) 2,4-Dichlorophenol	10.28	162	49547	2.94 ng/ul#	85
28) Naphthalene	10.69	128	161863	2.94 ng/ul	98
30) 4-Chloroaniline	10.79	127	60977	3.08 ng/ul	98
31) Hexachlorobutadiene	10.97	225	35557	2.98 ng/ul	99
32) Caprolactam	11.59	113	15413	2.75 ng/ul	87
33) 4-Chloro-3-methylphenol	11.91	107	56260	2.72 ng/ul	98
34) 2-Methylnaphthalene	12.30	142	122943	3.01 ng/ul	97

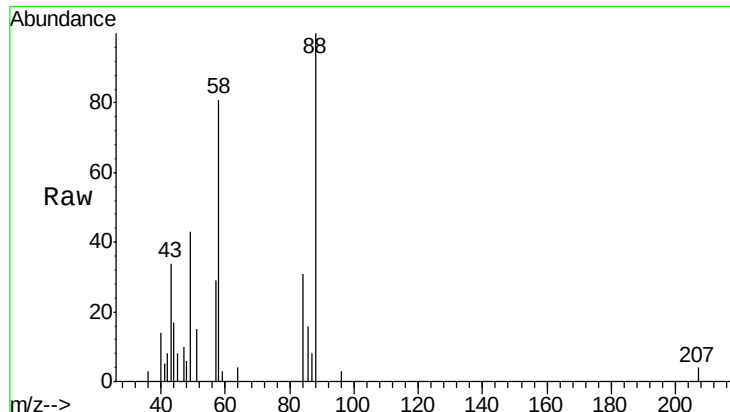
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	12.67	216	62488	2.93	ng/ul#	98
37) Hexachlorocyclopentadiene	12.65	237	35074	2.49	ng/ul	96
38) 2,4,6-Trichlorophenol	12.91	196	35329	2.59	ng/ul	99
39) 2,4,5-Trichlorophenol	12.97	196	40472	2.74	ng/ul	97
40) 1,1'-Biphenyl	13.32	154	163771	2.95	ng/ul	96
41) 2-Chloronaphthalene	13.35	162	124773	2.93	ng/ul	97
42) 2-Nitroaniline	13.56	65	34982	2.54	ng/ul	91
44) Dimethylphthalate	13.93	163	168052	2.97	ng/ul	99
45) 2,6-Dinitrotoluene	14.05	165	25558	2.53	ng/ul#	80
47) Acenaphthylene	14.20	152	206743	2.88	ng/ul	99
48) 3-Nitroaniline	14.38	138	28714	2.77	ng/ul	100
49) Acenaphthene	14.54	153	133046	2.91	ng/ul	98
50) 2,4-Dinitrophenol	14.59	184	6694	1.30	ng/ul	89
52) 4-Nitrophenol	14.68	109	34335	2.81	ng/ul	94
53) Dibenzofuran	14.87	168	194287	2.93	ng/ul	94
54) 2,4-Dinitrotoluene	14.84	165	40231	2.66	ng/ul	91
55) 2,3,4,6-Tetrachlorophenol	15.10	232	35390	2.77	ng/ul#	92
56) Diethylphthalate	15.29	149	174681	2.94	ng/ul	97
58) Fluorene	15.52	166	164032	2.98	ng/ul	99
59) 4-Chlorophenyl-phenylether	15.52	204	79967	2.95	ng/ul	96
60) 4-Nitroaniline	15.53	138	33071	2.82	ng/ul	88
63) 4,6-Dinitro-2-methylphenol	15.59	198	18089	2.27	ng/ul#	35
64) N-Nitrosodiphenylamine	15.73	169	136047	2.99	ng/ul	100
65) 4-Bromophenyl-phenylether	16.41	248	47514	2.97	ng/ul	92
66) Hexachlorobenzene	16.53	284	58458	3.17	ng/ul	94
67) Atrazine	16.68	200	48375	2.70	ng/ul	95
68) Pentachlorophenol	16.87	266	22979	2.05	ng/ul	99
69) Phenanthrene	17.26	178	259990	3.06	ng/ul	98
71) Anthracene	17.35	178	255864	2.93	ng/ul	99
72) Carbazole	17.61	167	228611	2.91	ng/ul	98
73) Di-n-butylphthalate	18.19	149	283312	3.02	ng/ul	99
74) Fluoranthene	19.28	202	298979	3.07	ng/ul	99
77) Pyrene	19.65	202	319972	3.39	ng/ul	98
78) Butylbenzylphthalate	20.55	149	105922	2.76	ng/ul	93
79) 3,3'-Dichlorobenzidine	21.33	252	74389	2.60	ng/ul	96
80) Benzo(a)anthracene	21.39	228	283711	3.14	ng/ul	98
81) Bis(2-ethylhexyl)phthalate	21.33	149	154423	2.77	ng/ul#	97
82) Chrysene	21.44	228	256173	3.08	ng/ul	100
84) Di-n-octyl phthalate	22.22	149	226694	2.68	ng/ul	100
85) Benzo(b)fluoranthene	23.01	252	230195	2.93	ng/ul#	97
86) Benzo(k)fluoranthene	23.05	252	216712	3.23	ng/ul#	97
88) Benzo(a)pyrene	23.60	252	210931	3.06	ng/ul	95
89) Indeno(1,2,3-cd)pyrene	26.04	276	201719	2.80	ng/ul	99
90) Dibenzo(a,h)anthracene	26.06	278	170116	2.81	ng/ul	97
91) Benzo(g,h,i)perylene	26.76	276	159501	2.70	ng/ul	95

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



#2

1,4-Dioxane

Concen: 3.10 ng/uL

RT: 3.36 min Scan# 59

Delta R.T. -0.00 min

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BNA_M

ClientSampleId :

MDL-Soil-3

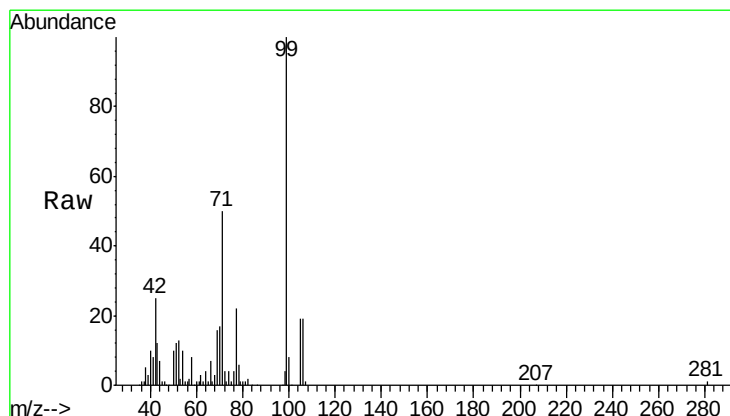
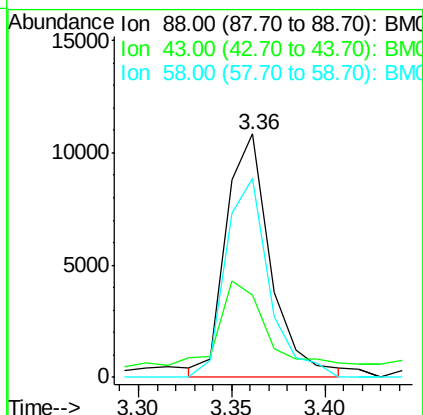
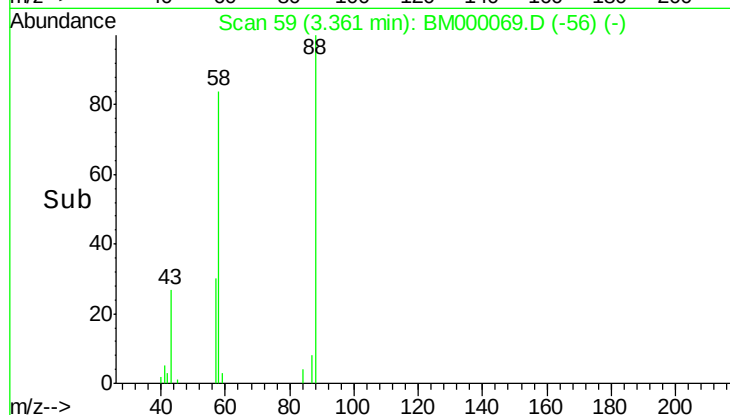
Tgt Ion: 88 Resp: 18097

Ion Ratio Lower Upper

88 100

43 32.4 34.9 52.3#

58 80.1 67.3 100.9



#4

Benzaldehyde

Concen: 3.49 ng/uL

RT: 6.98 min Scan# 376

Delta R.T. -0.00 min

Lab File: BM000069.D

Acq: 29 Dec 2014 21:30

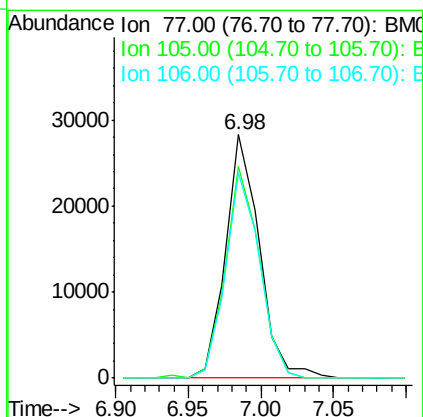
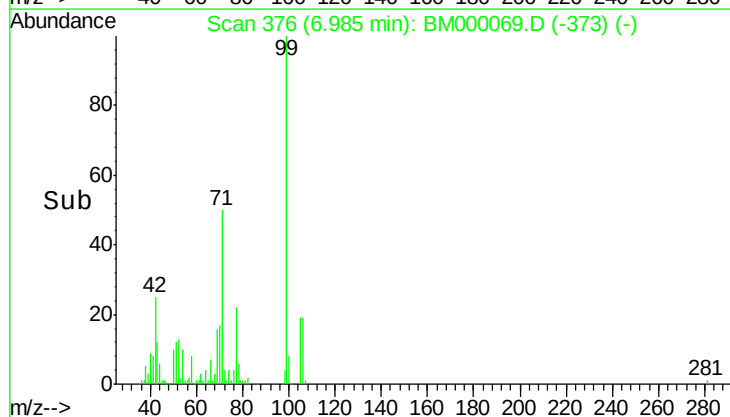
Tgt Ion: 77 Resp: 45949

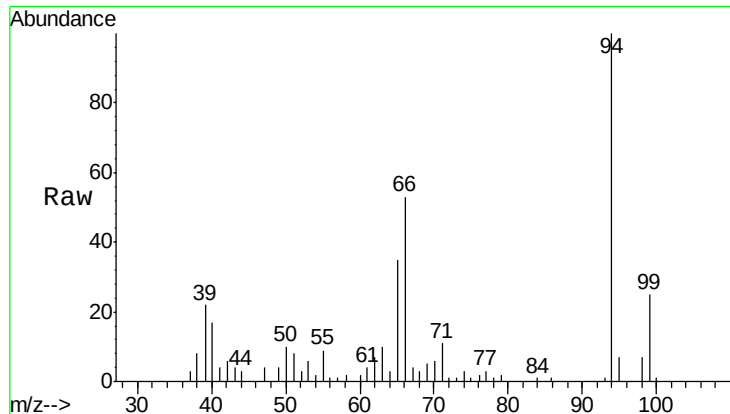
Ion Ratio Lower Upper

77 100

105 87.1 73.5 110.3

106 84.1 67.9 101.9





#6

Phenol

Concen: 2.87 ng/ul

RT: 7.03 min Scan# 380

Delta R.T. -0.00 min

Lab File: BM000069.D

Acq: 29 Dec 2014 21:30

Instrument :

BNA_M

ClientSampleId :

MDL-Soil-3

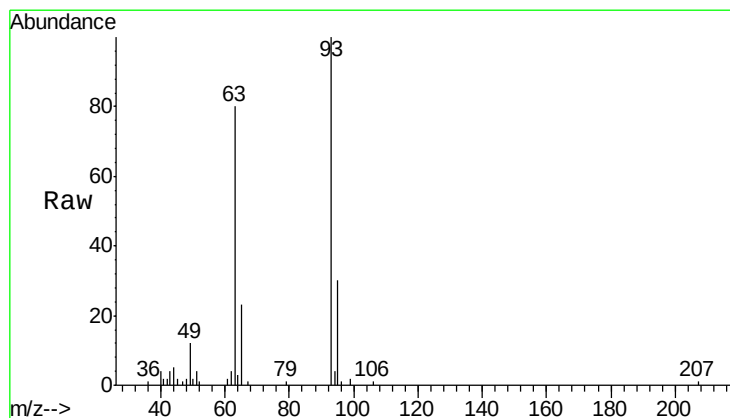
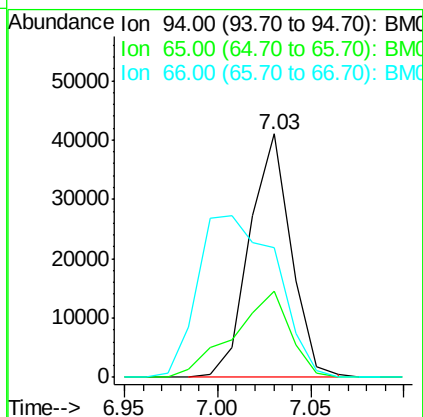
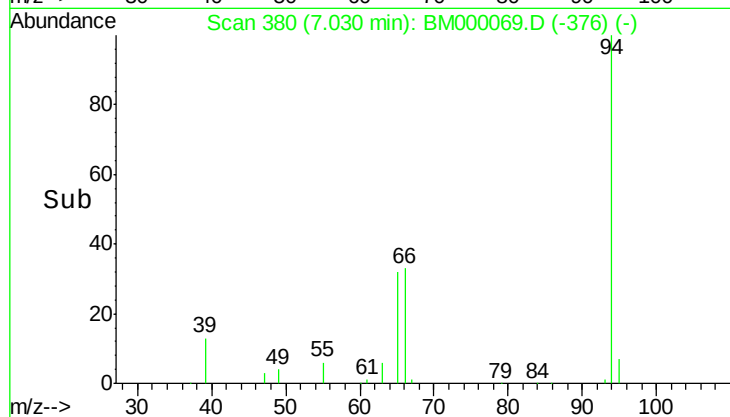
Tgt Ion: 94 Resp: 63181

Ion Ratio Lower Upper

94 100

65 35.4 27.4 41.0

66 53.5 42.5 63.7



#8

Bis(2-Chloroethyl)ether

Concen: 3.16 ng/ul

RT: 7.27 min Scan# 401

Delta R.T. -0.00 min

Lab File: BM000069.D

Acq: 29 Dec 2014 21:30

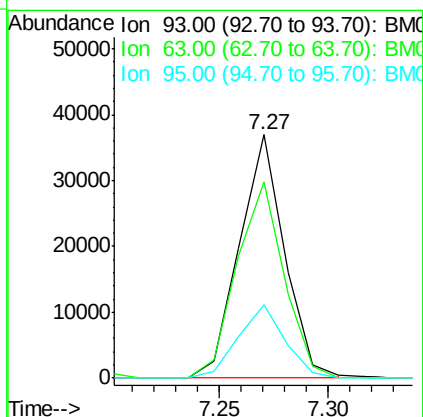
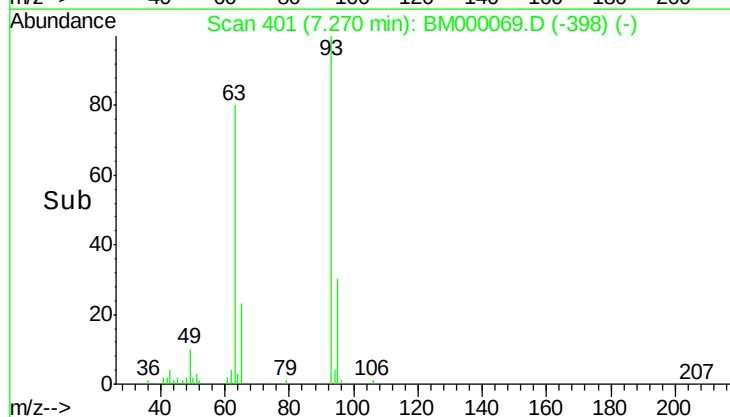
Tgt Ion: 93 Resp: 53161

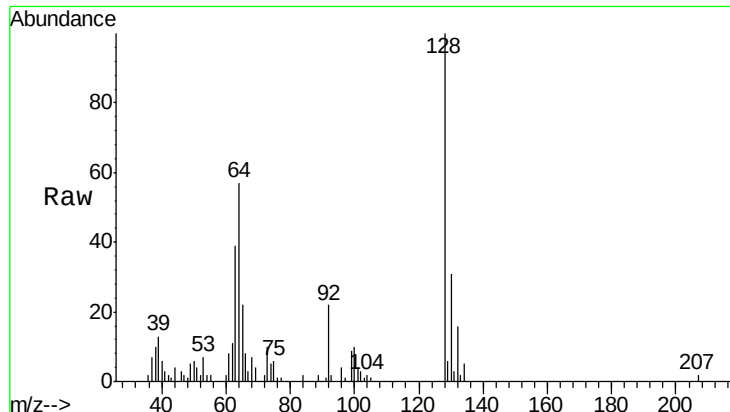
Ion Ratio Lower Upper

93 100

63 80.4 68.9 103.3

95 29.9 24.6 37.0

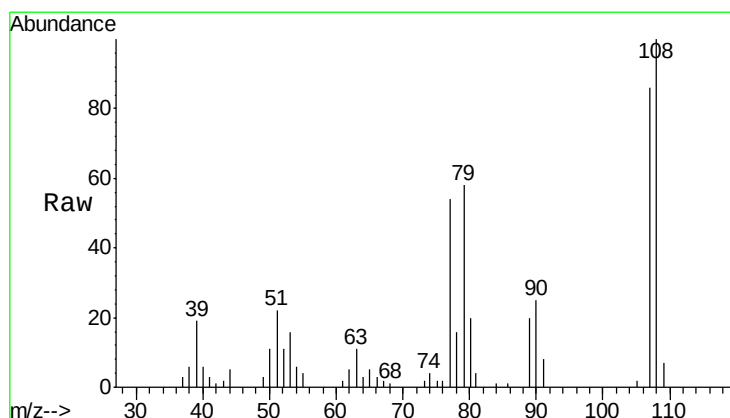
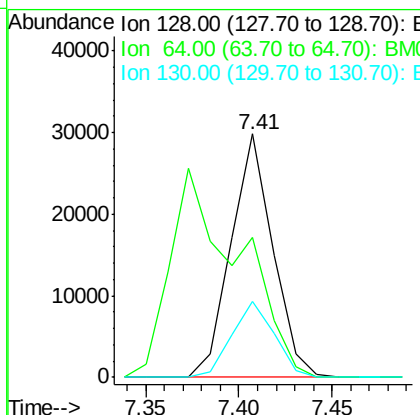
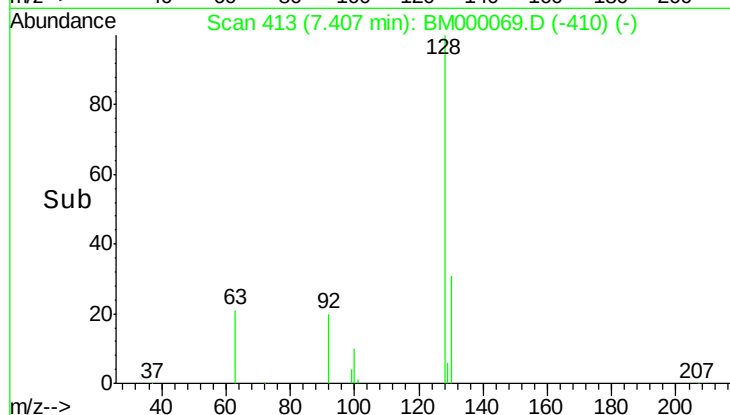




#10
2-Chlorophenol
Concen: 2.97 ng/ul
RT: 7.41 min Scan# 413
Delta R.T. -0.00 min
Lab File: BM000069.D
Acq: 29 Dec 2014 21:30

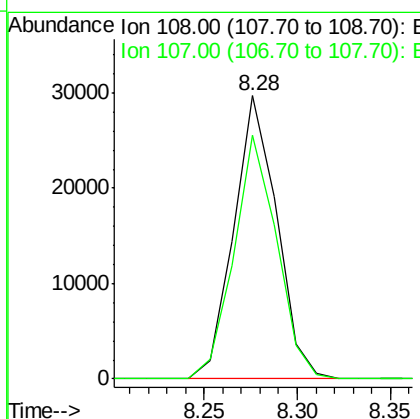
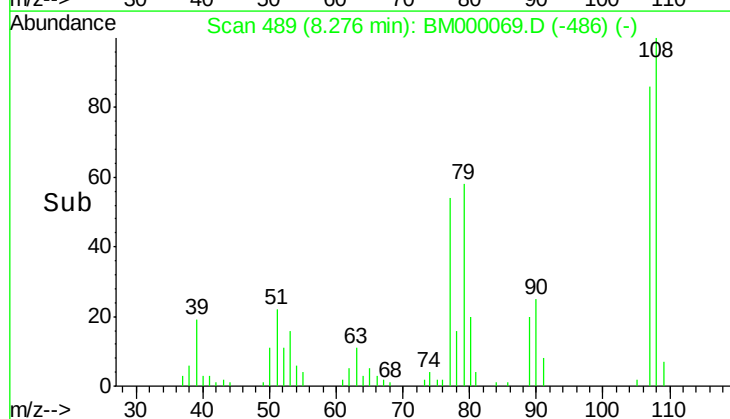
Instrument :
BNA_M
ClientSampleId :
MDL-Soil-3

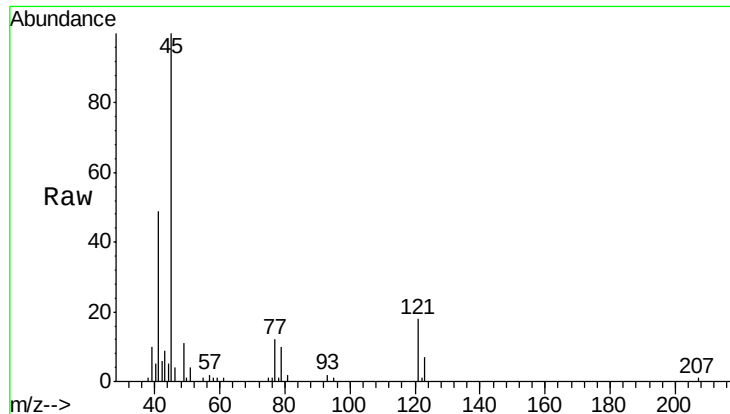
Tgt Ion:128 Resp: 46760
Ion Ratio Lower Upper
128 100
64 57.2 47.2 70.8
130 31.4 25.2 37.8



#11
2-Methylphenol
Concen: 2.80 ng/ul
RT: 8.28 min Scan# 489
Delta R.T. -0.00 min
Lab File: BM000069.D
Acq: 29 Dec 2014 21:30

Tgt Ion:108 Resp: 47618
Ion Ratio Lower Upper
108 100
107 86.3 70.7 106.1

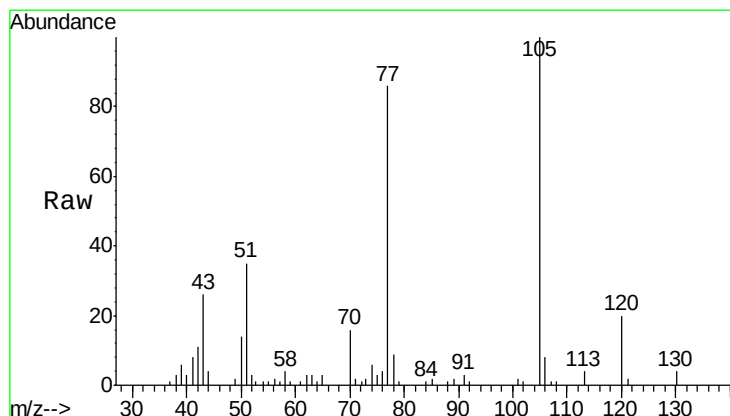
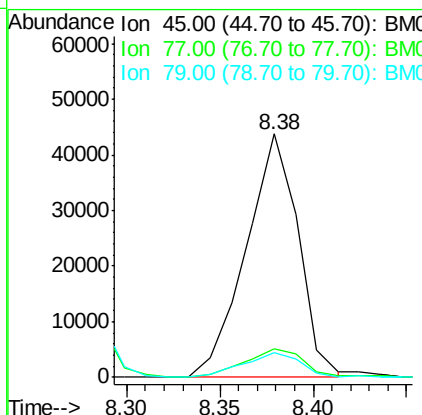
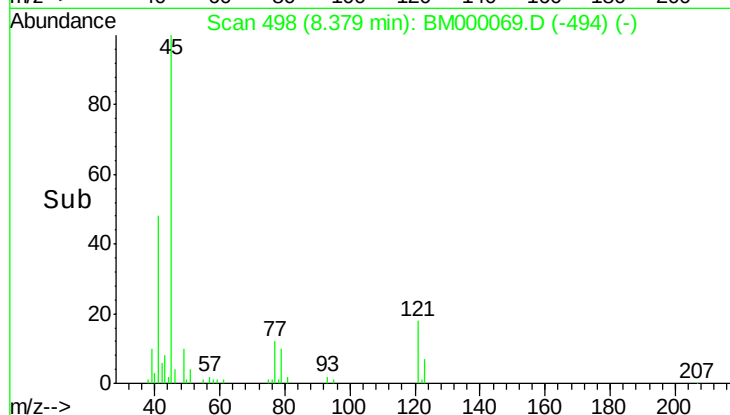




#12
 2,2'-oxybis(1-Chloropropane)
 Concen: 3.12 ng/ul
 RT: 8.38 min Scan# 498
 Delta R.T. -0.00 min
 Lab File: BM000069.D
 Acq: 29 Dec 2014 21:30

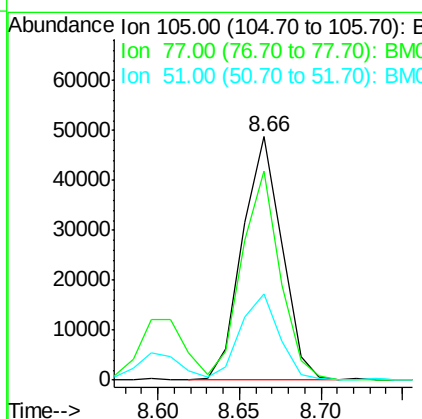
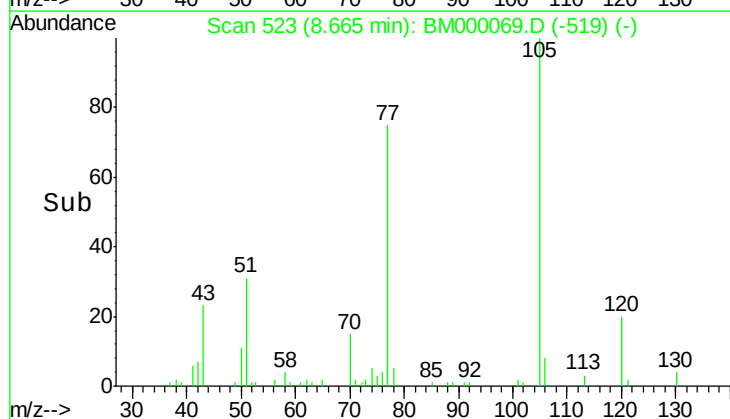
Instrument :
 BNA_M
 ClientSampleId :
 MDL-Soil-3

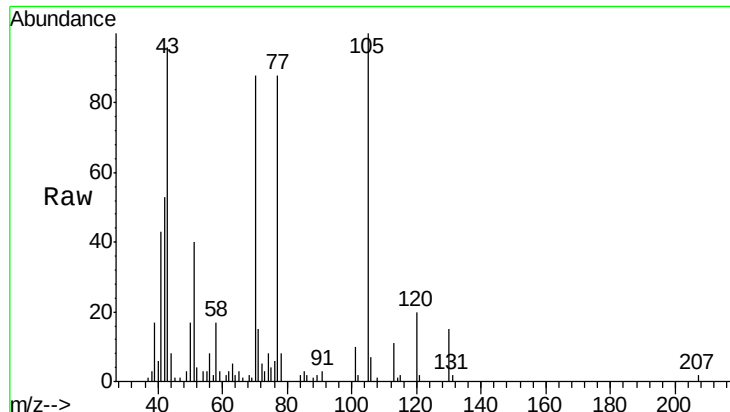
Tgt Ion:	45	Resp:	84644
Ion	Ratio	Lower	Upper
45	100		
77	11.9	9.9	14.9
79	10.1	8.3	12.5



#14
 Acetophenone
 Concen: 2.87 ng/ul
 RT: 8.66 min Scan# 523
 Delta R.T. -0.00 min
 Lab File: BM000069.D
 Acq: 29 Dec 2014 21:30

Tgt Ion:	105	Resp:	81896
Ion	Ratio	Lower	Upper
105	100		
77	86.0	66.3	99.5
51	35.3	26.5	39.7

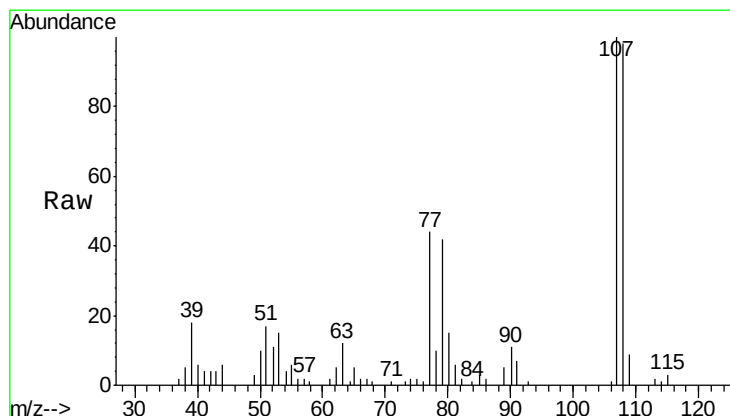
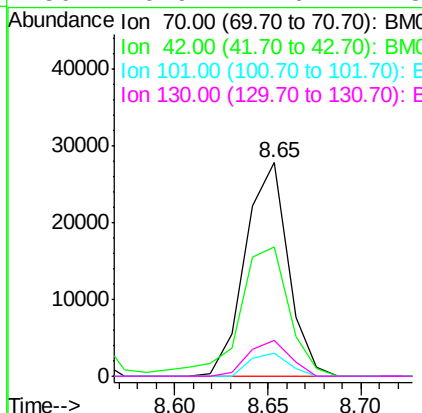
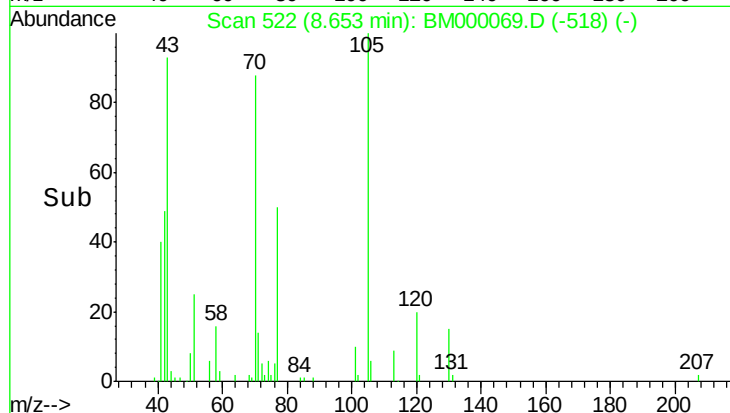




#15
N-Nitroso-di-n-propylamine
Concen: 2.97 ng/ul
RT: 8.65 min Scan# 522
Delta R.T. -0.00 min
Lab File: BM000069.D
Acq: 29 Dec 2014 21:30

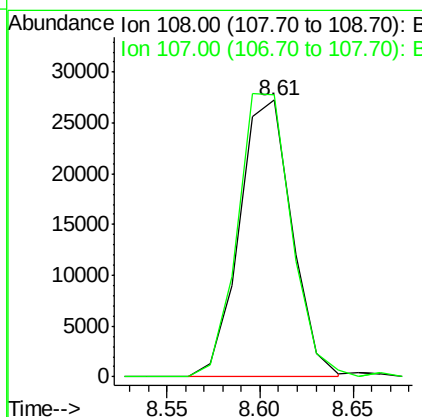
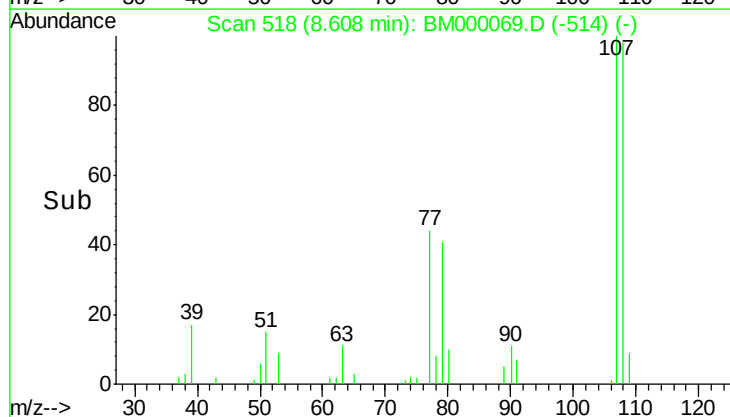
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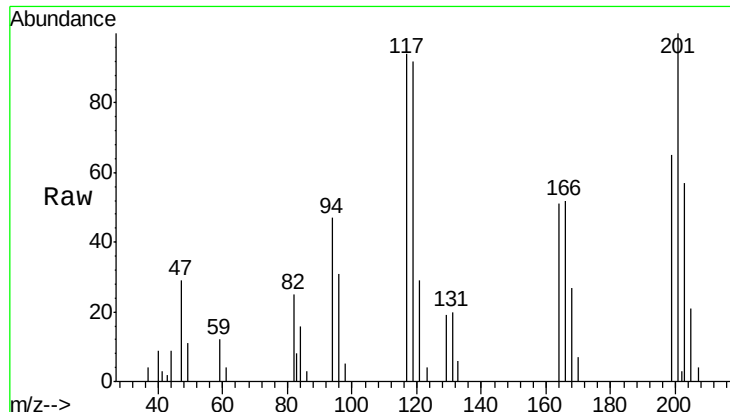
Tgt Ion:	70	Resp:	44279
Ion	Ratio	Lower	Upper
70	100		
42	60.4	46.4	69.6
101	11.0	7.8	11.8
130	16.9	14.6	21.8



#16
4-Methylphenol
Concen: 2.90 ng/ul
RT: 8.61 min Scan# 518
Delta R.T. -0.00 min
Lab File: BM000069.D
Acq: 29 Dec 2014 21:30

Tgt Ion:	108	Resp:	53352
Ion	Ratio	Lower	Upper
108	100		
107	102.1	84.0	126.0

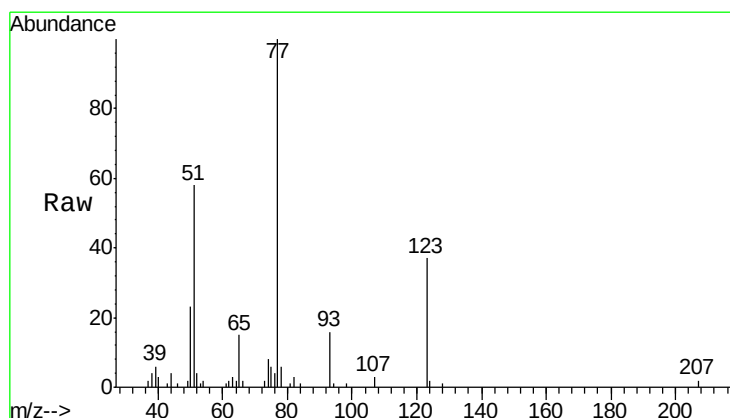
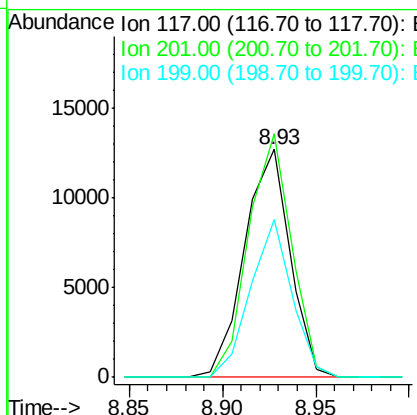
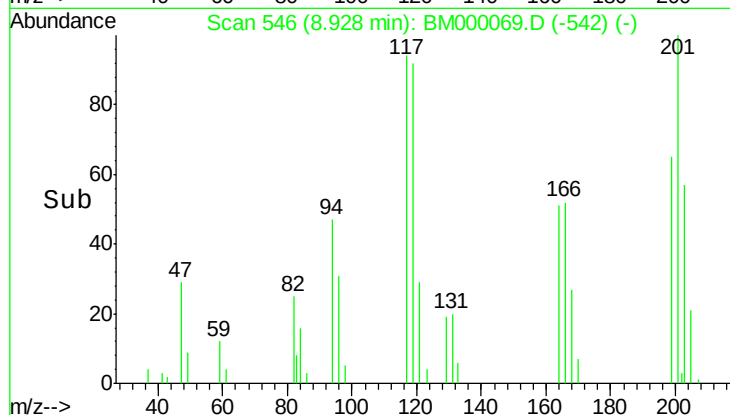




#17
 Hexachloroethane
 Concen: 2.98 ng/ul
 RT: 8.93 min Scan# 546
 Delta R.T. -0.00 min
 Lab File: BM000069.D
 Acq: 29 Dec 2014 21:30

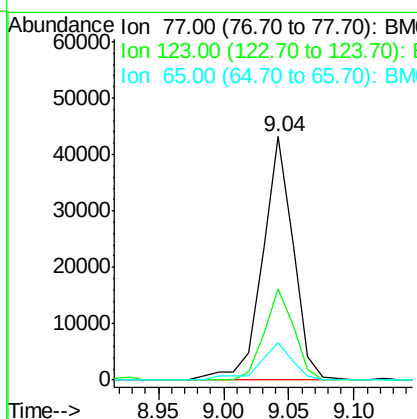
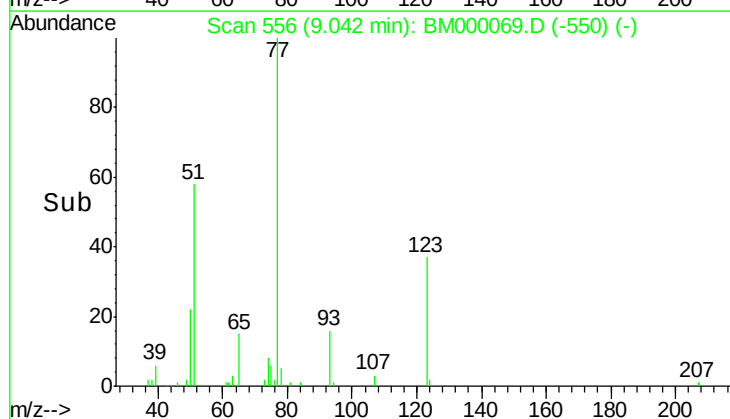
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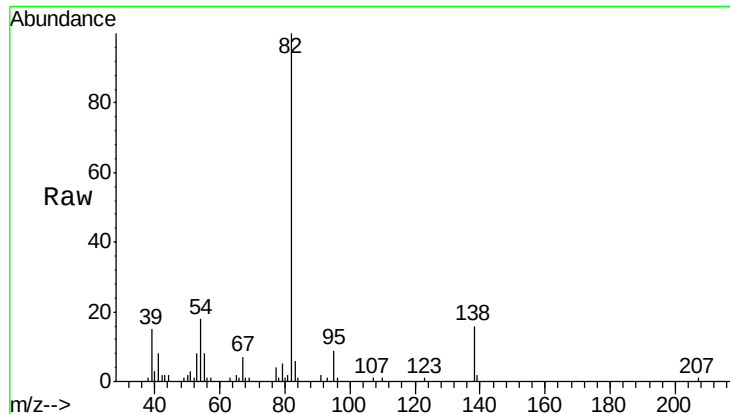
Tgt Ion:	117	Resp:	21483
Ion	Ratio	Lower	Upper
117	100		
201	106.9	85.2	127.8
199	69.4	55.1	82.7



#20
 Nitrobenzene
 Concen: 3.20 ng/ul
 RT: 9.04 min Scan# 556
 Delta R.T. -0.00 min
 Lab File: BM000069.D
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Tgt Ion:	77	Resp:	71336
Ion	Ratio	Lower	Upper
77	100		
123	37.3	29.2	43.8
65	15.3	12.4	18.6

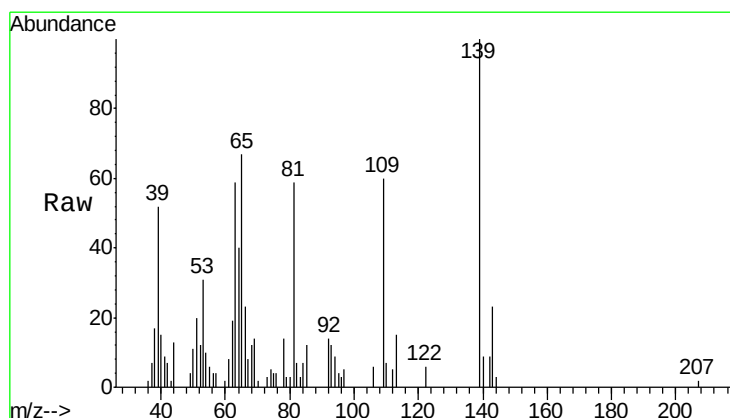
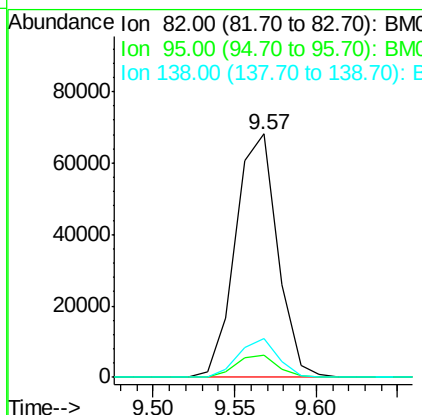
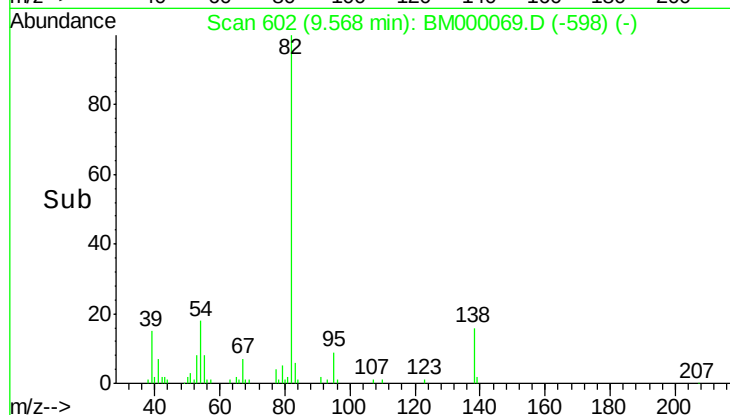




#21
Isophorone
Concen: 2.83 ng/ul
RT: 9.57 min Scan# 602
Delta R.T. -0.00 min
Lab File: BM000069.D
Acq: 29 Dec 2014 21:30

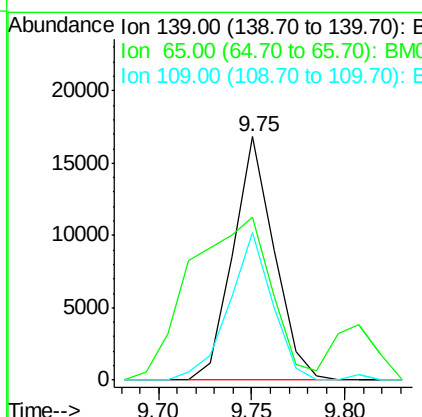
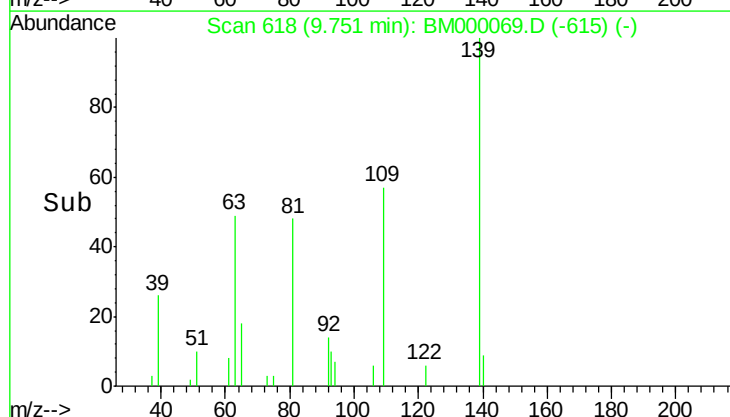
Instrument :
BNA_M
ClientSampleId :
MDL-Soil-3

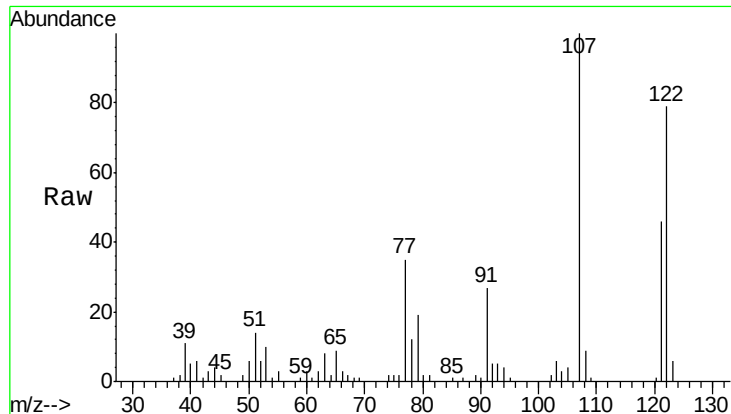
Tgt Ion: 82 Resp: 121688
Ion Ratio Lower Upper
82 100
95 9.2 6.9 10.3
138 16.1 12.1 18.1



#23
2-Nitrophenol
Concen: 3.07 ng/ul
RT: 9.75 min Scan# 618
Delta R.T. -0.00 min
Lab File: BM000069.D
Acq: 29 Dec 2014 21:30

Tgt Ion: 139 Resp: 25900
Ion Ratio Lower Upper
139 100
65 67.1 56.3 84.5
109 60.5 37.1 55.7#

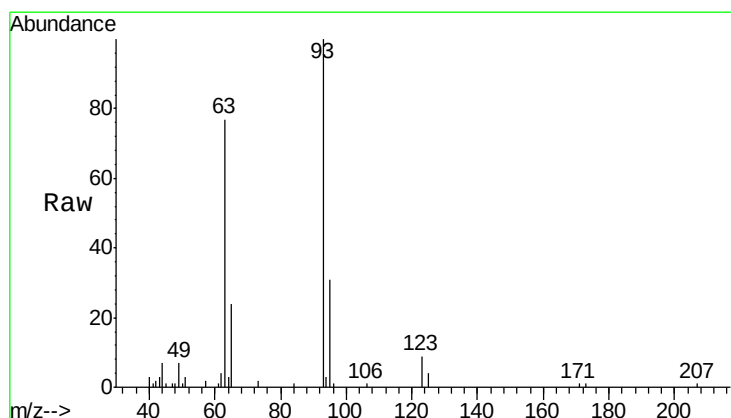
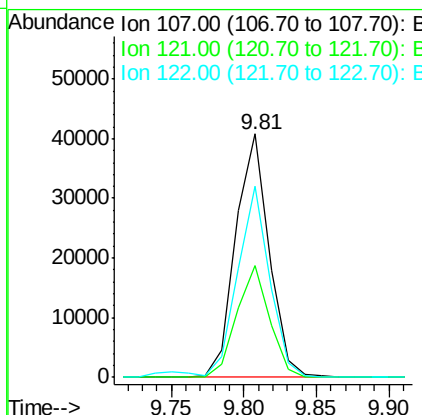
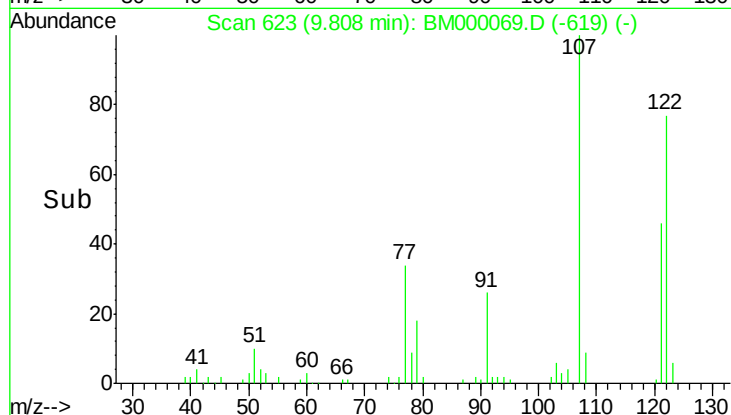




#24
 2,4-Dimethylphenol
 Concen: 2.86 ng/ul
 RT: 9.81 min Scan# 623
 Delta R.T. -0.00 min
 Lab File: BM000069.D
 Acq: 29 Dec 2014 21:30

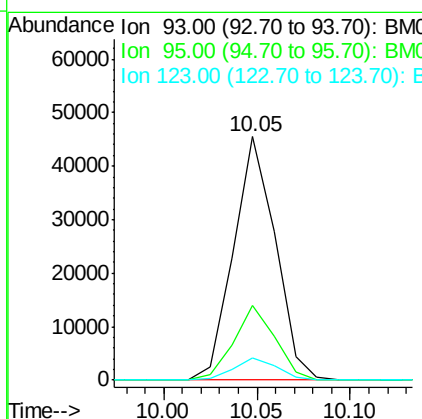
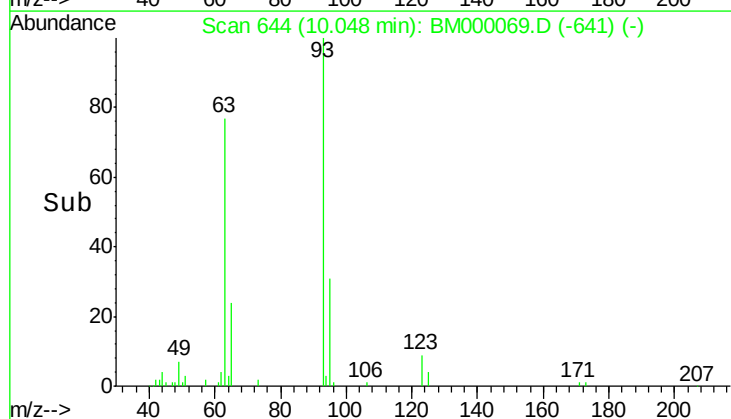
Instrument :
 BNA_M
 ClientSampleId :
 MDL-Soil-3

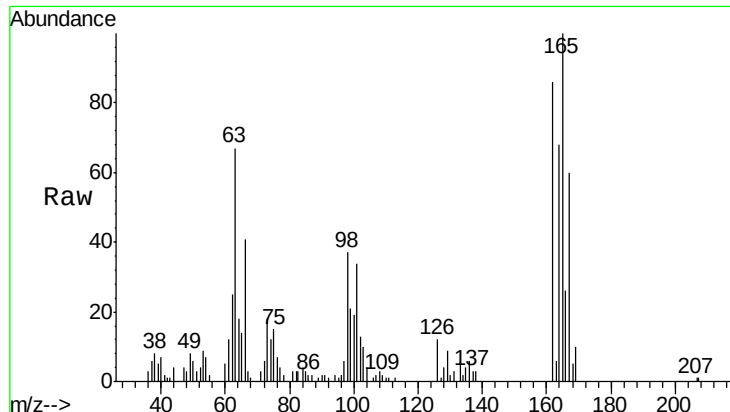
Tgt Ion: 107 Resp: 65340
 Ion Ratio Lower Upper
 107 100
 121 45.9 33.0 49.6
 122 78.5 59.3 88.9



#25
 Bis(2-Chloroethoxy)methane
 Concen: 2.96 ng/ul
 RT: 10.05 min Scan# 644
 Delta R.T. -0.00 min
 Lab File: BM000069.D
 Acq: 29 Dec 2014 21:30

Tgt Ion: 93 Resp: 70917
 Ion Ratio Lower Upper
 93 100
 95 30.7 26.1 39.1
 123 9.3 7.4 11.2





#27

2,4-Dichlorophenol

Concen: 2.94 ng/ul

RT: 10.28 min Scan# 664

Delta R.T. -0.00 min

Lab File: BM000069.D

Acq: 29 Dec 2014 21:30

Instrument :

BNA_M

ClientSampleId :

MDL-Soil-3

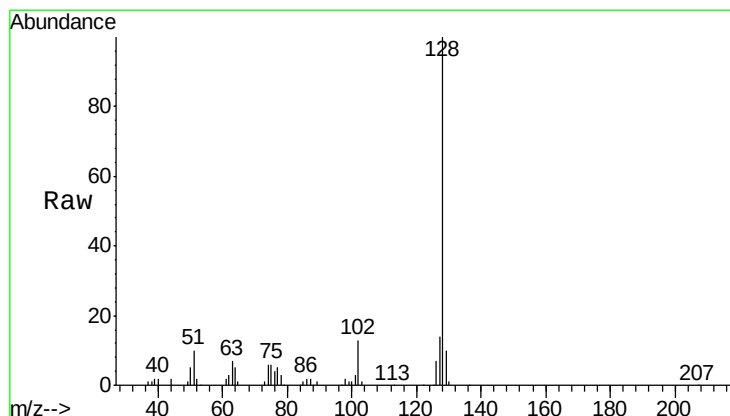
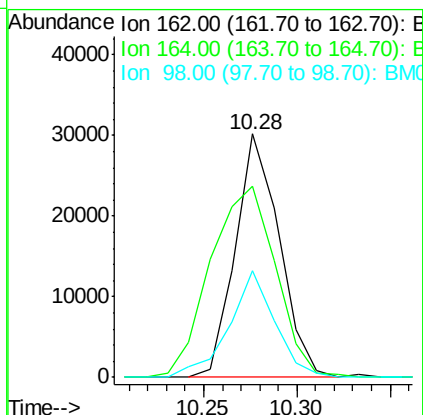
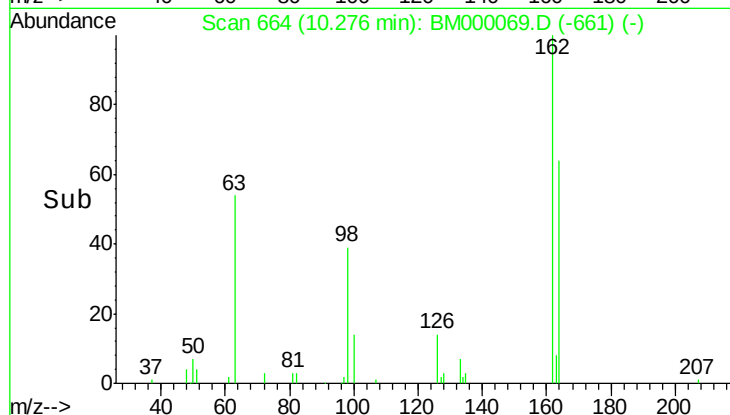
Tgt Ion:162 Resp: 49547

Ion Ratio Lower Upper

162 100

164 78.7 50.2 75.4#

98 43.6 31.4 47.2



#28

Naphthalene

Concen: 2.94 ng/ul

RT: 10.69 min Scan# 700

Delta R.T. -0.00 min

Lab File: BM000069.D

Acq: 29 Dec 2014 21:30

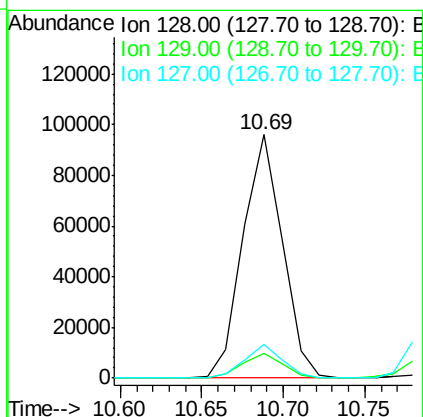
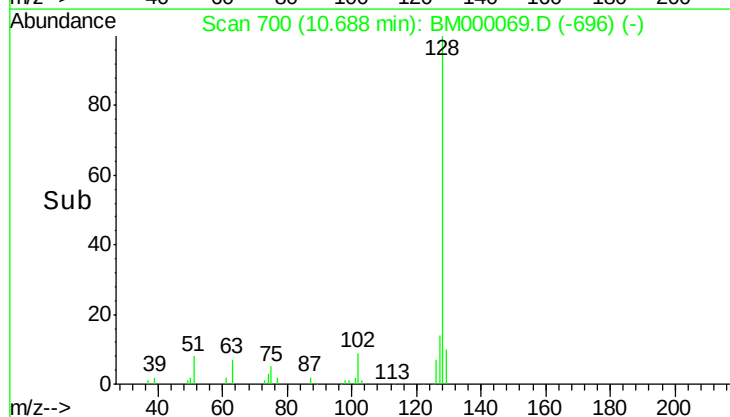
Tgt Ion:128 Resp: 161863

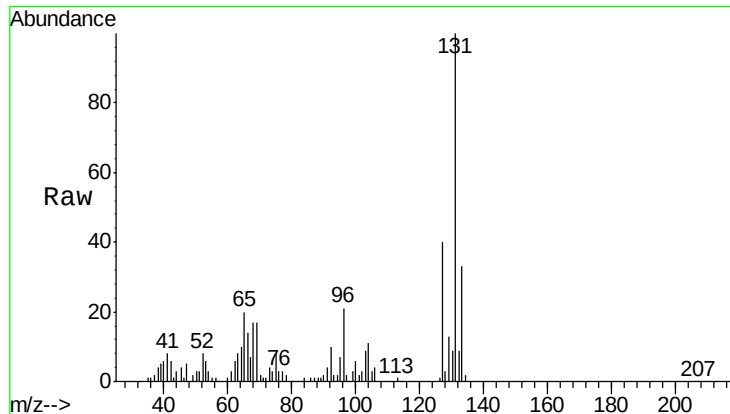
Ion Ratio Lower Upper

128 100

129 10.2 8.6 13.0

127 13.6 10.3 15.5

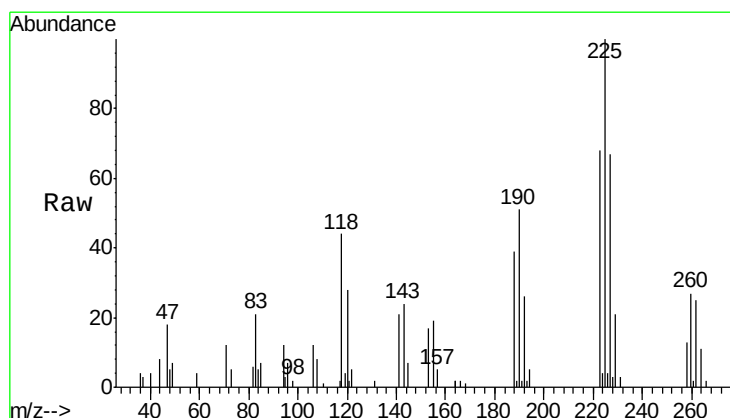
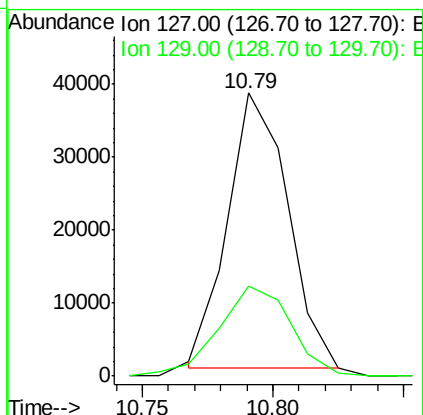
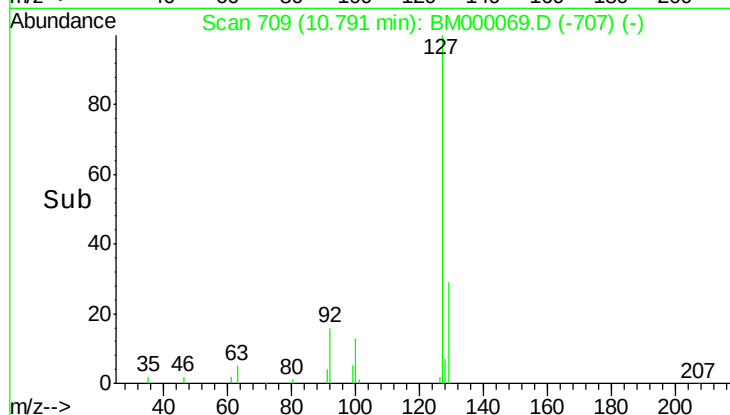




#30
 4-Chloroaniline
 Concen: 3.08 ng/ul
 RT: 10.79 min Scan# 709
 Delta R.T. -0.00 min
 Lab File: BM000069.D
 Acq: 29 Dec 2014 21:30

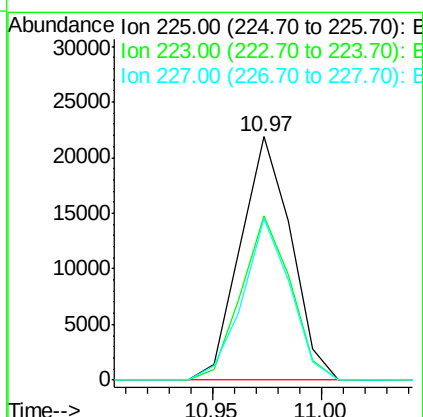
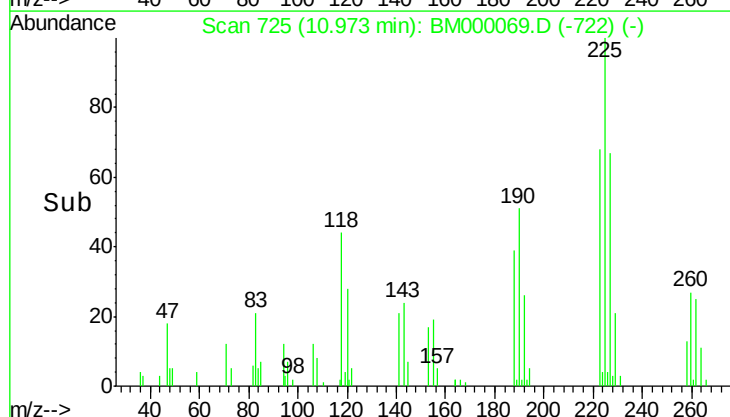
Instrument :
 BNA_M
 ClientSampleId :
 MDL-Soil-3

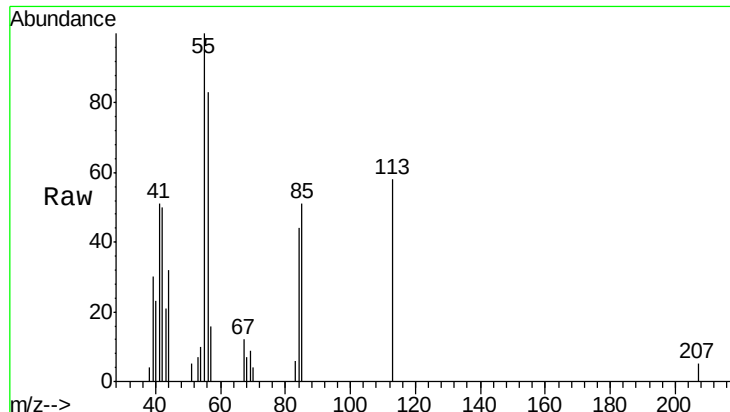
Tgt Ion:127 Resp: 60977
 Ion Ratio Lower Upper
 127 100
 129 32.0 26.5 39.7



#31
 Hexachlorobutadiene
 Concen: 2.98 ng/ul
 RT: 10.97 min Scan# 725
 Delta R.T. -0.00 min
 Lab File: BM000069.D
 Acq: 29 Dec 2014 21:30

Tgt Ion:225 Resp: 35557
 Ion Ratio Lower Upper
 225 100
 223 67.6 54.4 81.6
 227 66.6 51.8 77.8

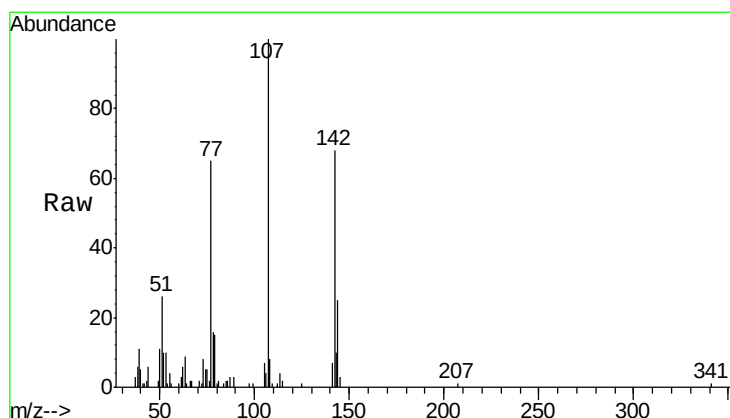
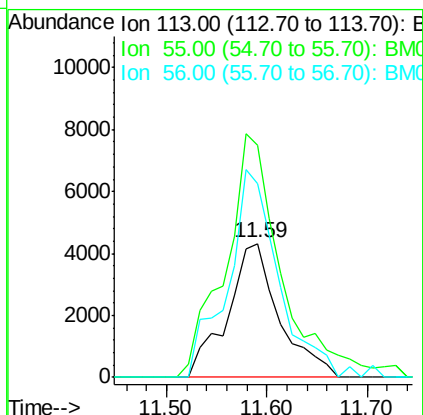
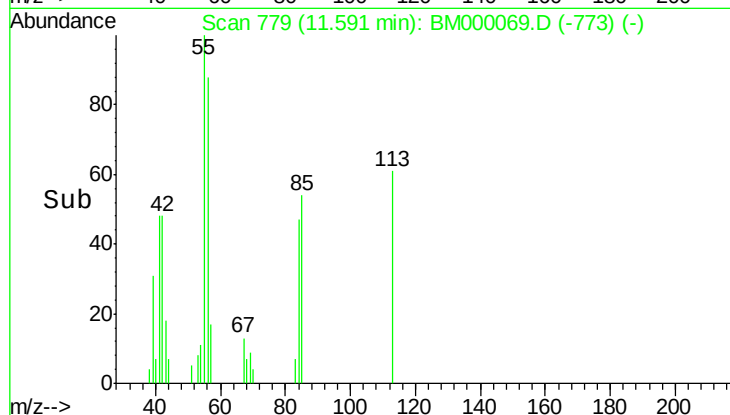




#32
 Caprolactam
 Concen: 2.75 ng/ul
 RT: 11.59 min Scan# 779
 Delta R.T. 0.05 min
 Lab File: BM000069.D
 Acq: 29 Dec 2014 21:30

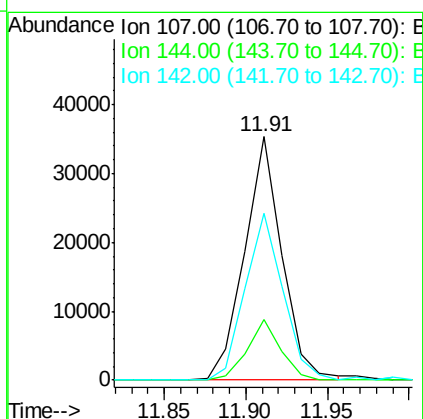
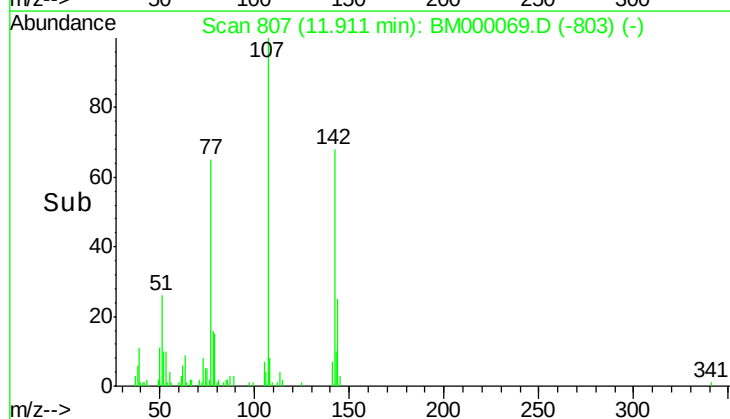
Instrument :
 BNA_M
 ClientSampleId :
 MDL-Soil-3

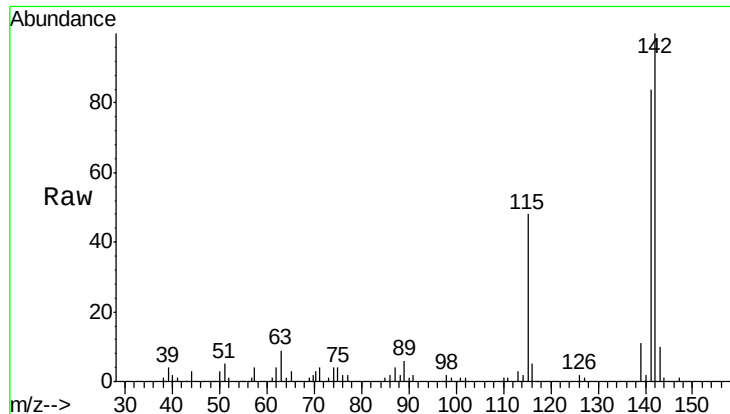
Tgt Ion:113 Resp: 15413
 Ion Ratio Lower Upper
 113 100
 55 173.3 156.6 234.8
 56 144.3 126.3 189.5



#33
 4-Chloro-3-methylphenol
 Concen: 2.72 ng/ul
 RT: 11.91 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: BM000069.D
 Acq: 29 Dec 2014 21:30

Tgt Ion:107 Resp: 56260
 Ion Ratio Lower Upper
 107 100
 144 24.8 16.6 24.8
 142 68.5 54.6 82.0

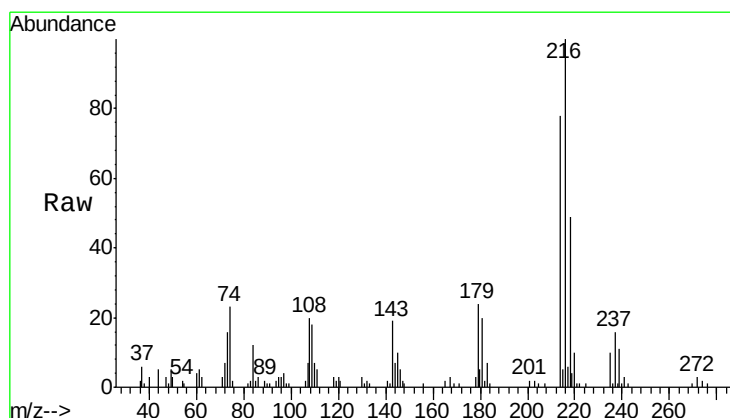
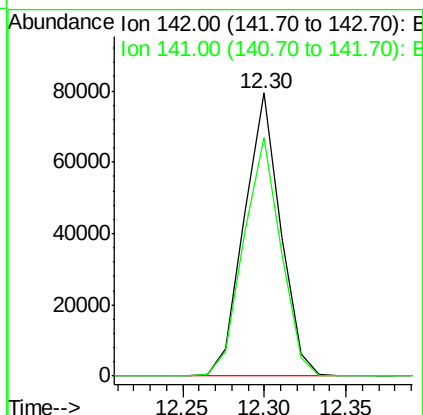
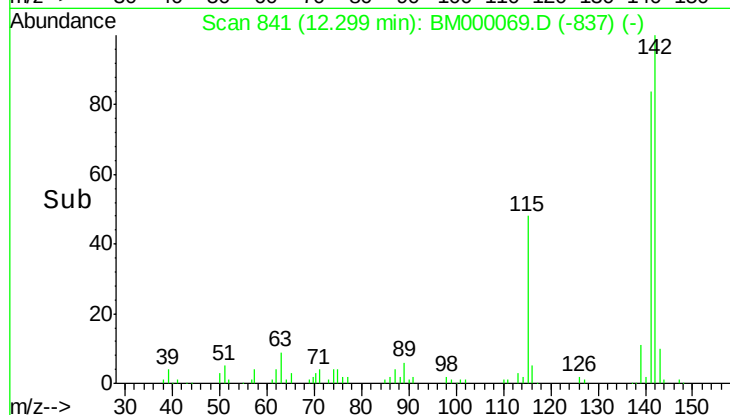




#34
 2-Methylnaphthalene
 Concen: 3.01 ng/ul
 RT: 12.30 min Scan# 841
 Delta R.T. -0.00 min
 Lab File: BM000069.D
 Acq: 29 Dec 2014 21:30

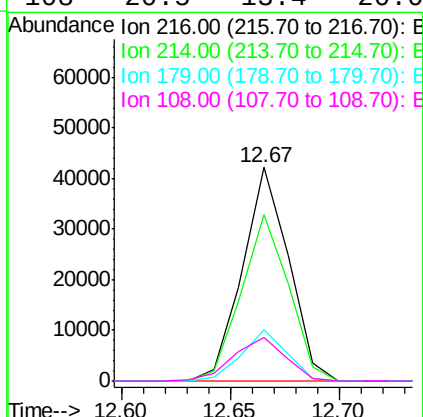
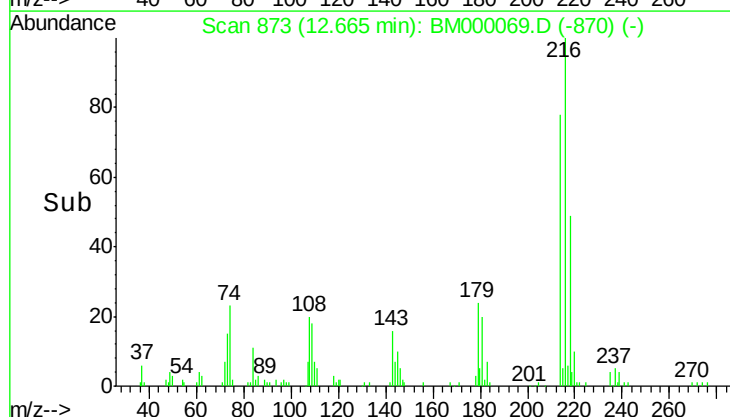
Instrument :
 BNA_M
 ClientSampleId :
 MDL-Soil-3

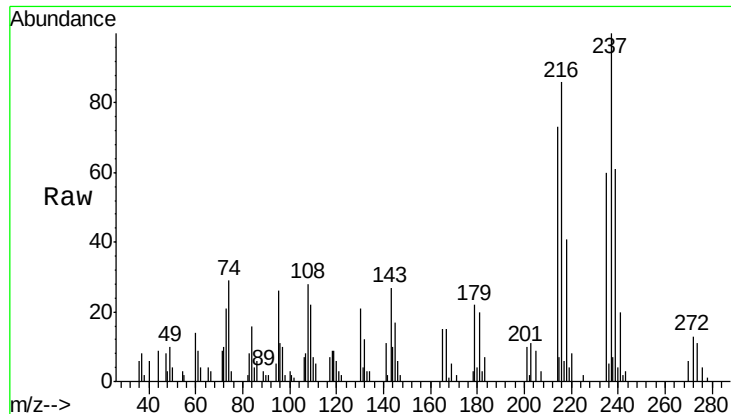
Tgt Ion:142 Resp: 122943
 Ion Ratio Lower Upper
 142 100
 141 84.2 69.3 103.9



#36
 1,2,4,5-Tetrachlorobenzene
 Concen: 2.93 ng/ul
 RT: 12.67 min Scan# 873
 Delta R.T. -0.00 min
 Lab File: BM000069.D
 Acq: 29 Dec 2014 21:30

Tgt Ion:216 Resp: 62488
 Ion Ratio Lower Upper
 216 100
 214 77.9 62.6 94.0
 179 24.1 17.4 26.2
 108 20.5 13.4 20.0#

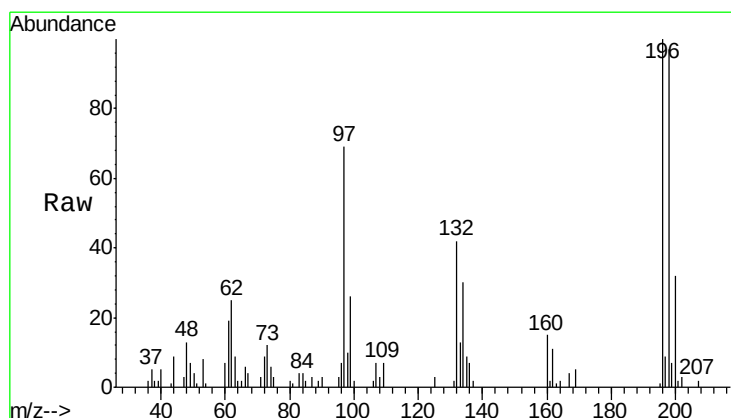
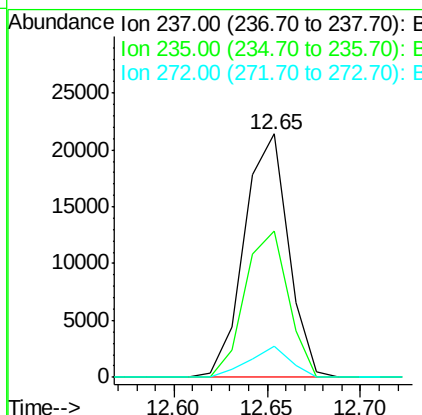
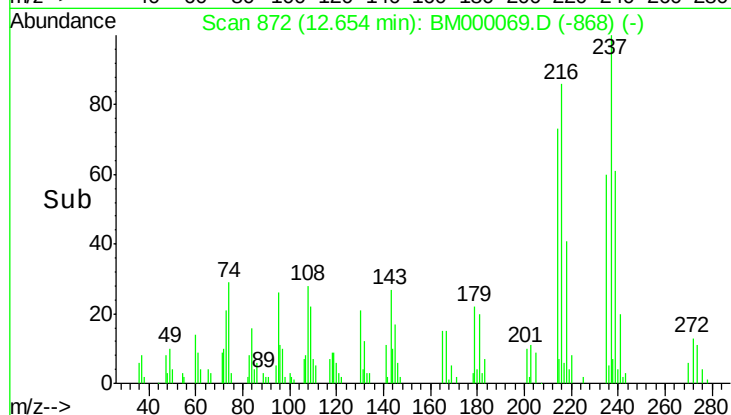




#37
Hexachlorocyclopentadiene
Concen: 2.49 ng/ul
RT: 12.65 min Scan# 872
Delta R.T. -0.00 min
Lab File: BM000069.D
Acq: 29 Dec 2014 21:30

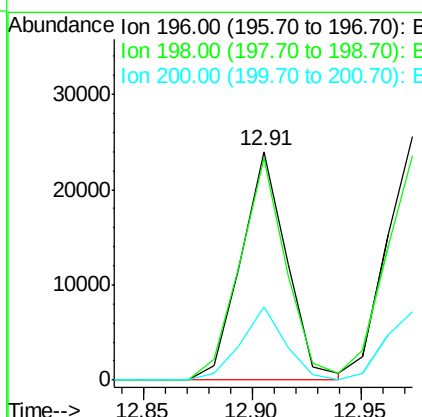
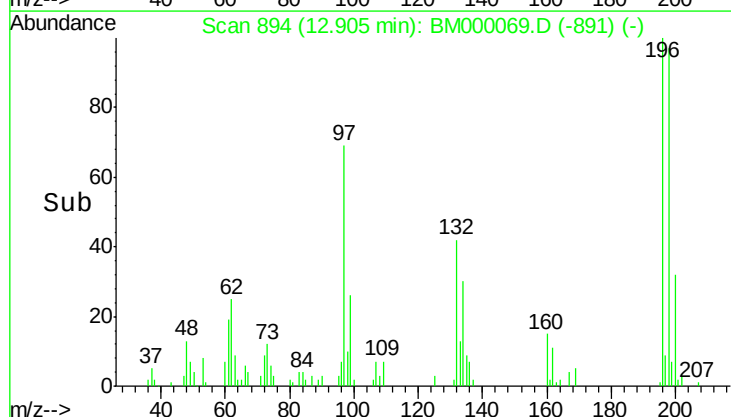
Instrument :
BNA_M
ClientSampleId :
MDL-Soil-3

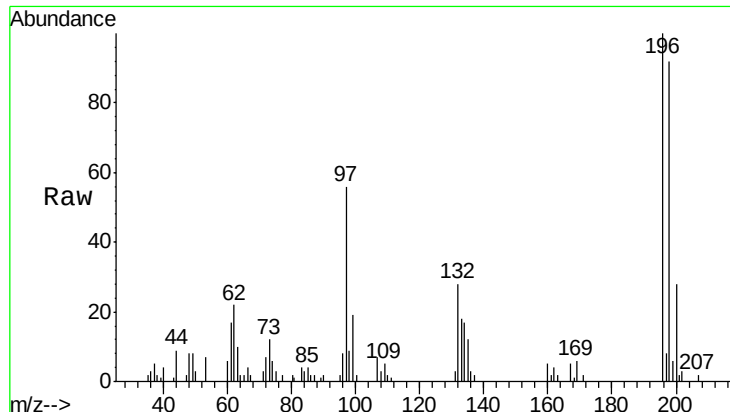
Tgt Ion:237 Resp: 35074
Ion Ratio Lower Upper
237 100
235 59.9 50.0 75.0
272 13.0 8.9 13.3



#38
2,4,6-Trichlorophenol
Concen: 2.59 ng/ul
RT: 12.91 min Scan# 894
Delta R.T. -0.00 min
Lab File: BM000069.D
Acq: 29 Dec 2014 21:30

Tgt Ion:196 Resp: 35329
Ion Ratio Lower Upper
196 100
198 96.8 76.6 114.8
200 32.0 24.5 36.7

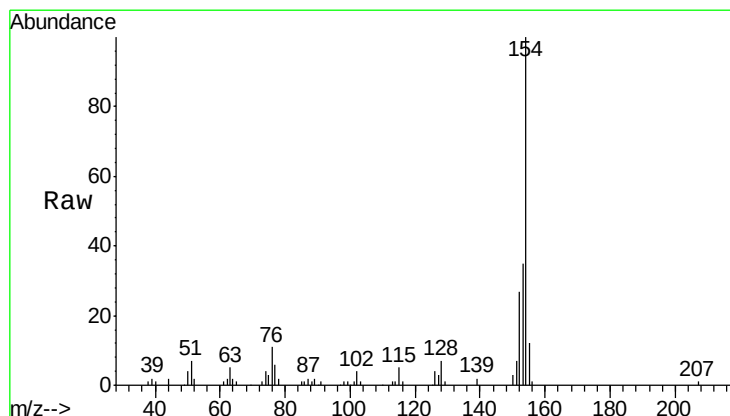
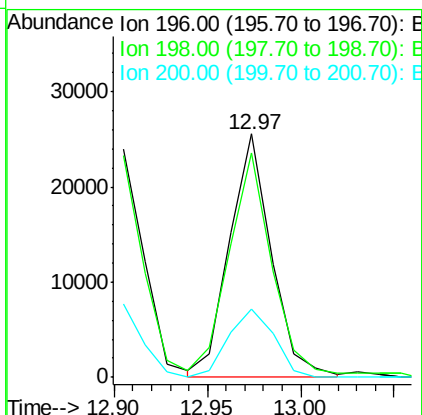
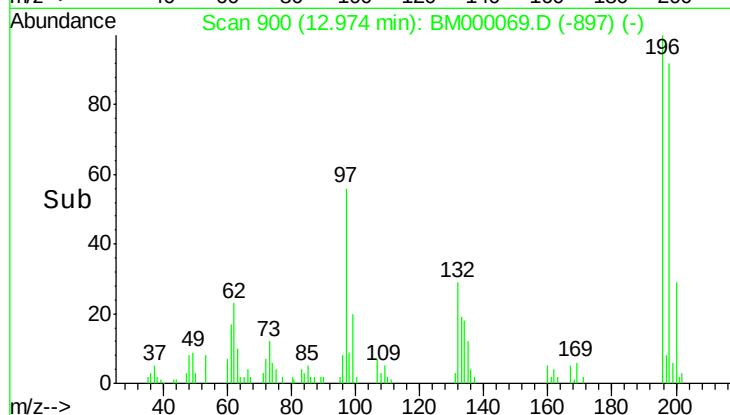




#39
 2,4,5-Trichlorophenol
 Concen: 2.74 ng/ul
 RT: 12.97 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: BM000069.D
 Acq: 29 Dec 2014 21:30

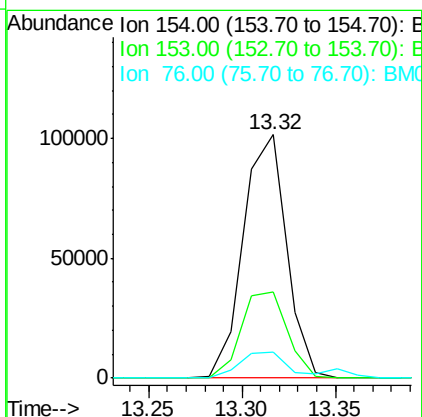
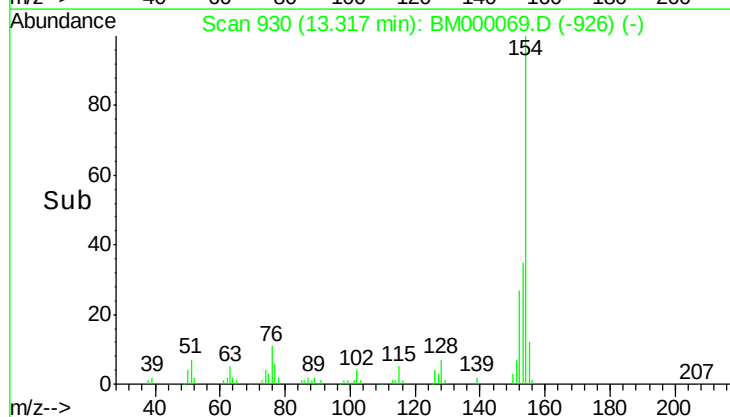
Instrument :
 BNA_M
 ClientSampleId :
 MDL-Soil-3

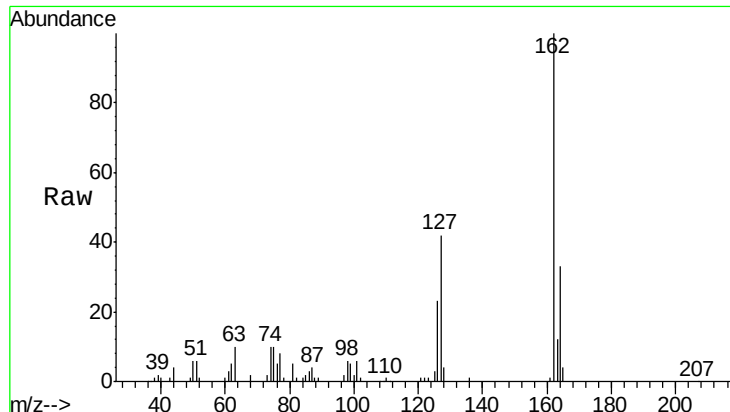
Tgt Ion:196 Resp: 40472
 Ion Ratio Lower Upper
 196 100
 198 92.0 75.4 113.2
 200 28.0 25.0 37.4



#40
 1,1'-Biphenyl
 Concen: 2.95 ng/ul
 RT: 13.32 min Scan# 930
 Delta R.T. -0.00 min
 Lab File: BM000069.D
 Acq: 29 Dec 2014 21:30

Tgt Ion:154 Resp: 163771
 Ion Ratio Lower Upper
 154 100
 153 35.5 30.5 45.7
 76 10.7 8.9 13.3

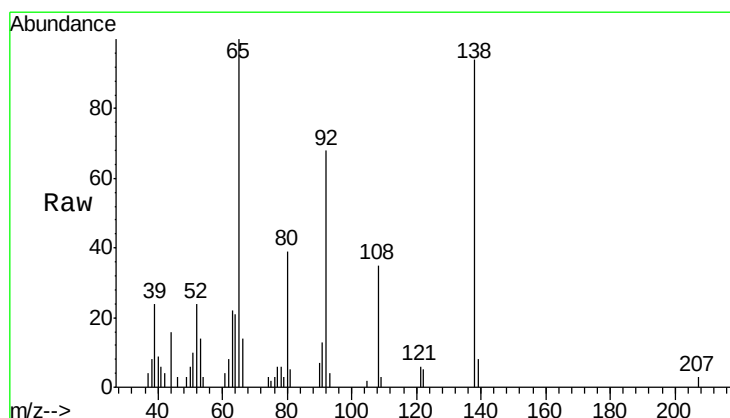
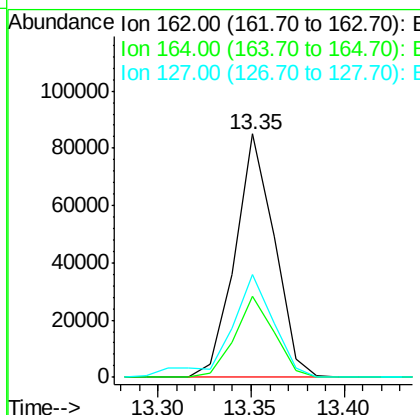
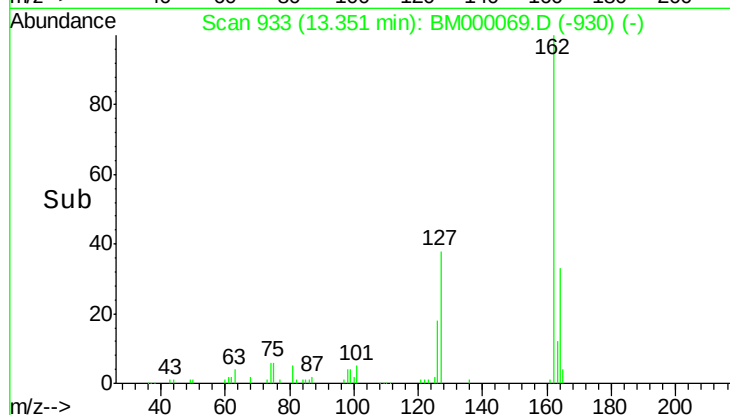




#41
 2-Chloronaphthalene
 Concen: 2.93 ng/ul
 RT: 13.35 min Scan# 933
 Delta R.T. -0.00 min
 Lab File: BM000069.D
 Acq: 29 Dec 2014 21:30

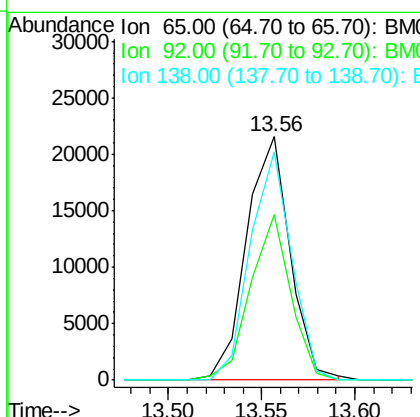
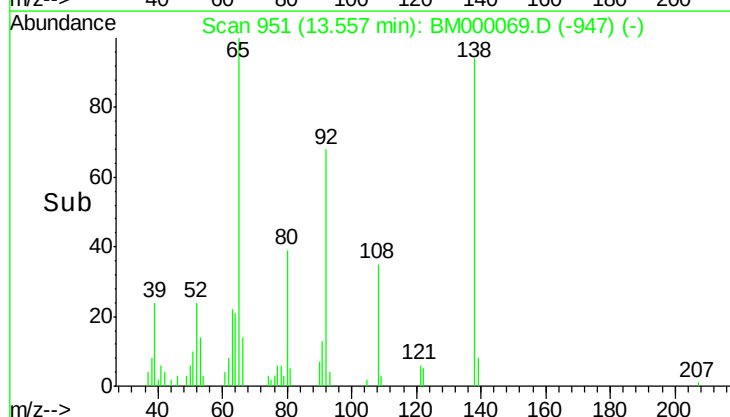
Instrument :
 BNA_M
 ClientSampleId :
 MDL-Soil-3

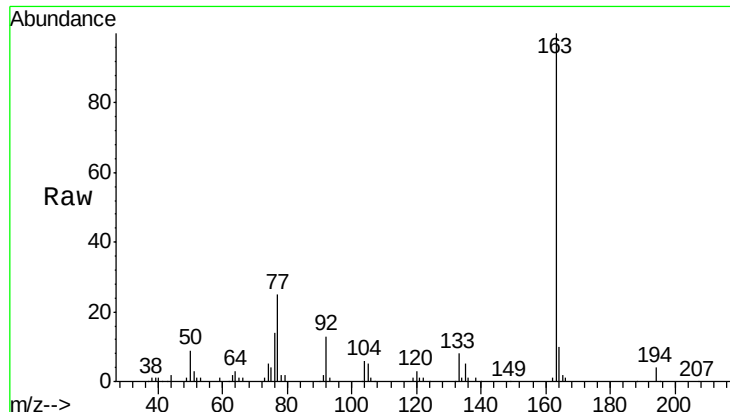
Tgt Ion:162 Resp: 124773
 Ion Ratio Lower Upper
 162 100
 164 33.1 25.8 38.6
 127 42.3 35.9 53.9



#42
 2-Nitroaniline
 Concen: 2.54 ng/ul
 RT: 13.56 min Scan# 951
 Delta R.T. -0.00 min
 Lab File: BM000069.D
 Acq: 29 Dec 2014 21:30

Tgt Ion: 65 Resp: 34982
 Ion Ratio Lower Upper
 65 100
 92 67.8 50.4 75.6
 138 93.9 66.9 100.3

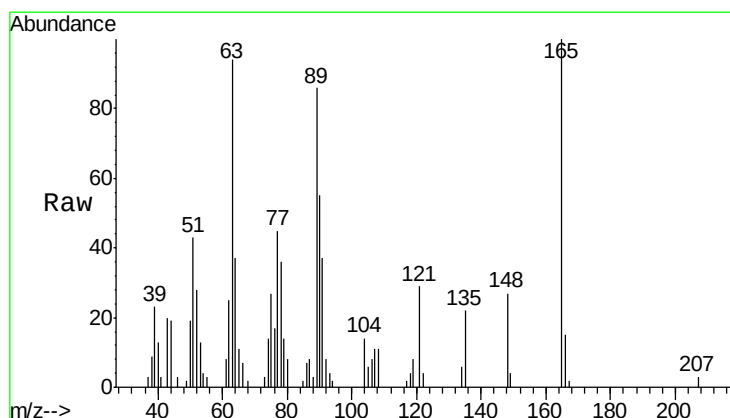
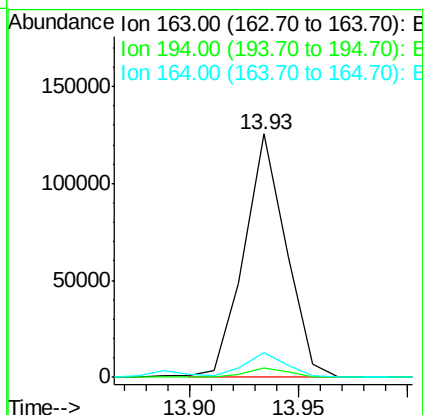
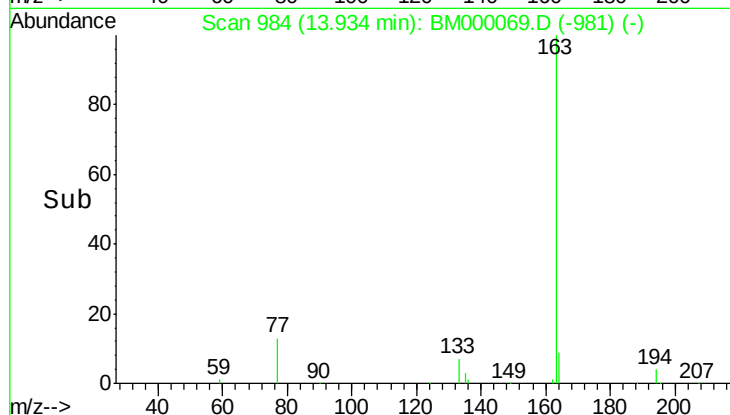




#44
Dimethylphthalate
Concen: 2.97 ng/ul
RT: 13.93 min Scan# 984
Delta R.T. -0.00 min
Lab File: BM000069.D
Acq: 29 Dec 2014 21:30

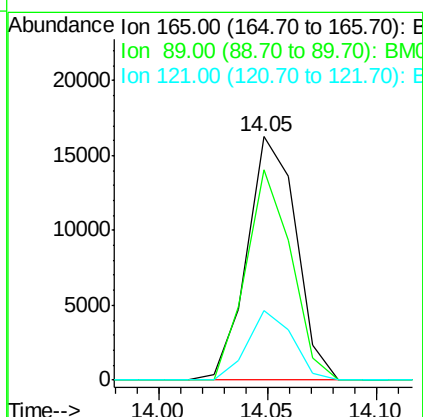
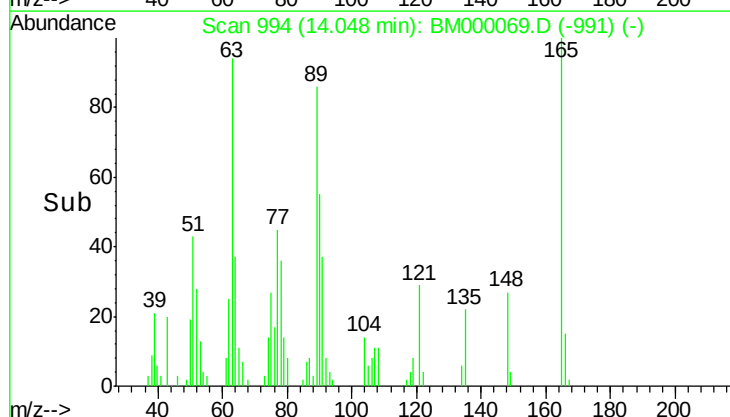
Instrument :
BNA_M
ClientSampleId :
MDL-Soil-3

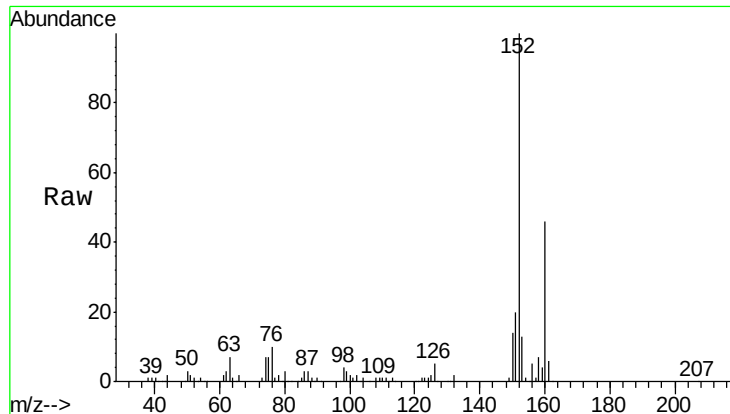
Tgt Ion:163 Resp: 168052
Ion Ratio Lower Upper
163 100
194 3.6 3.0 4.4
164 10.1 8.5 12.7



#45
2,6-Dinitrotoluene
Concen: 2.53 ng/ul
RT: 14.05 min Scan# 994
Delta R.T. -0.01 min
Lab File: BM000069.D
Acq: 29 Dec 2014 21:30

Tgt Ion:165 Resp: 25558
Ion Ratio Lower Upper
165 100
89 86.1 54.4 81.6#
121 28.8 18.6 28.0#

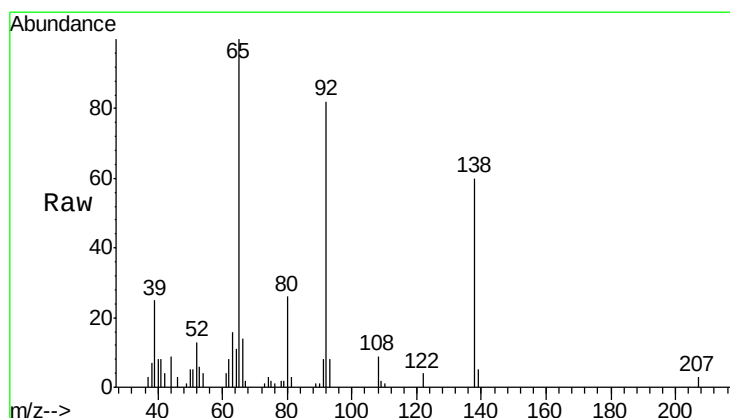
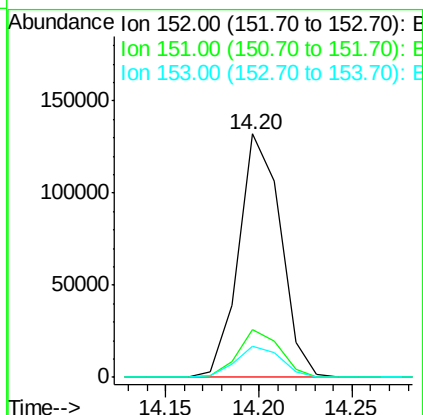
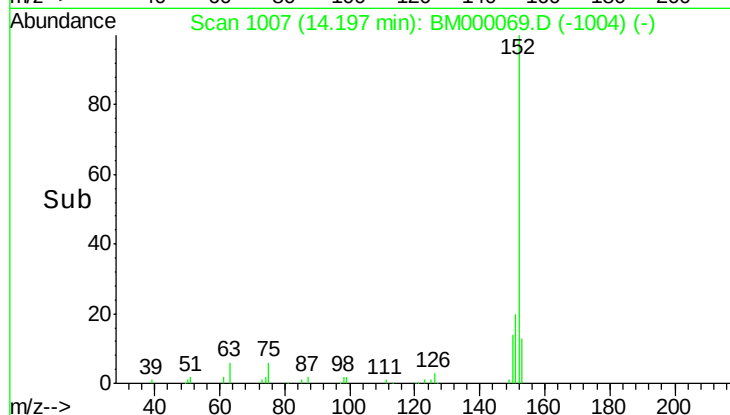




#47
 Acenaphthylene
 Concen: 2.88 ng/ul
 RT: 14.20 min Scan# 1007
 Delta R.T. -0.00 min
 Lab File: BM000069.D
 Acq: 29 Dec 2014 21:30

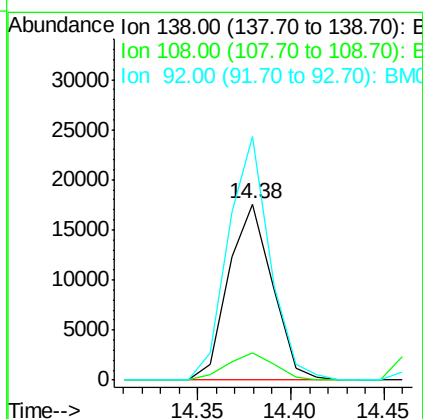
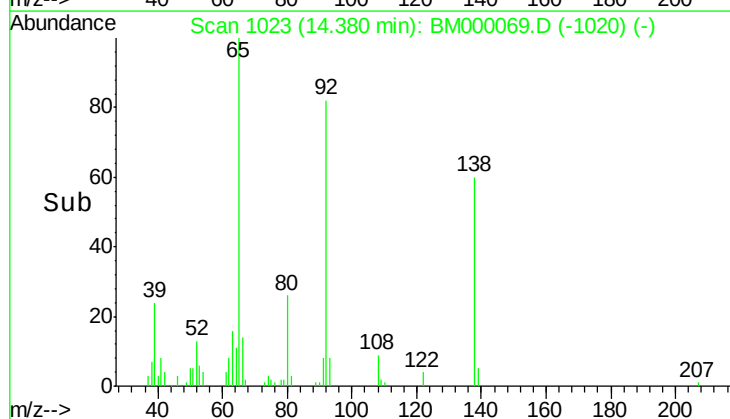
Instrument :
 BNA_M
 ClientSampleId :
 MDL-Soil-3

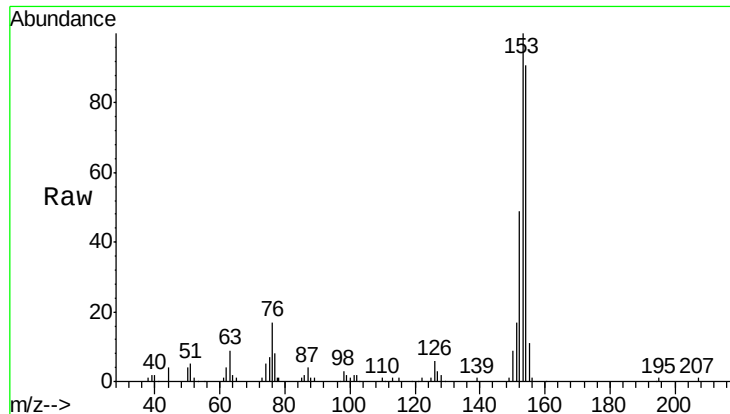
Tgt Ion:152 Resp: 206743
 Ion Ratio Lower Upper
 152 100
 151 19.7 15.4 23.2
 153 13.0 10.2 15.2



#48
 3-Nitroaniline
 Concen: 2.77 ng/ul
 RT: 14.38 min Scan# 1023
 Delta R.T. -0.00 min
 Lab File: BM000069.D
 Acq: 29 Dec 2014 21:30

Tgt Ion:138 Resp: 28714
 Ion Ratio Lower Upper
 138 100
 108 15.8 11.2 16.8
 92 138.3 110.6 165.8





#49

Acenaphthene

Concen: 2.91 ng/ul

RT: 14.54 min Scan# 1037

Delta R.T. -0.00 min

Lab File: BM000069.D

Acq: 29 Dec 2014 21:30

Instrument :

BNA_M

ClientSampleId :

MDL-Soil-3

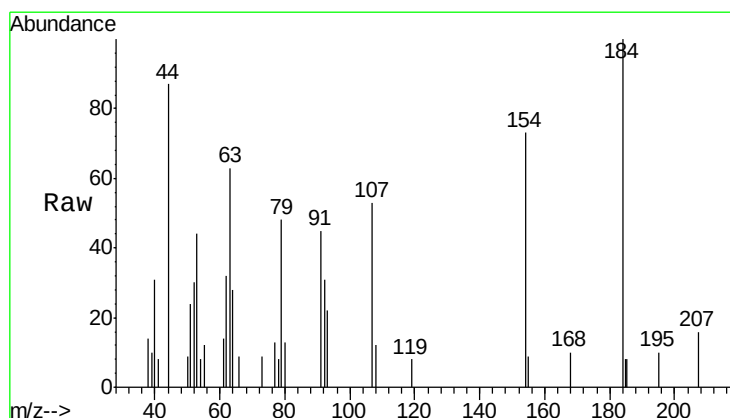
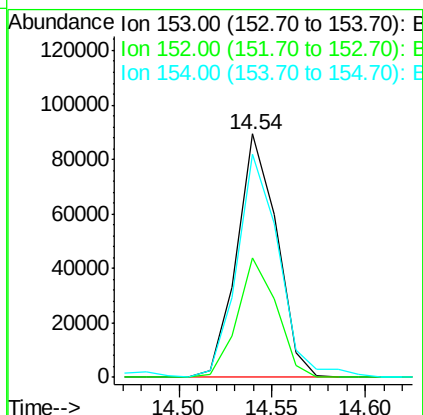
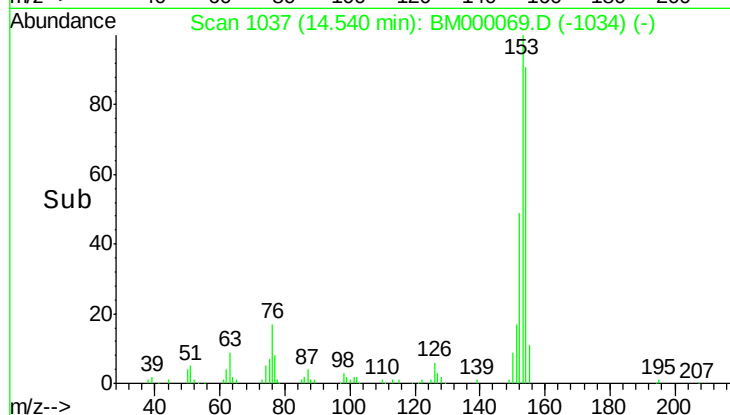
Tgt Ion:153 Resp: 133046

Ion Ratio Lower Upper

153 100

152 49.2 37.5 56.3

154 91.5 72.2 108.4



#50

2,4-Dinitrophenol

Concen: 1.30 ng/ul

RT: 14.59 min Scan# 1041

Delta R.T. -0.00 min

Lab File: BM000069.D

Acq: 29 Dec 2014 21:30

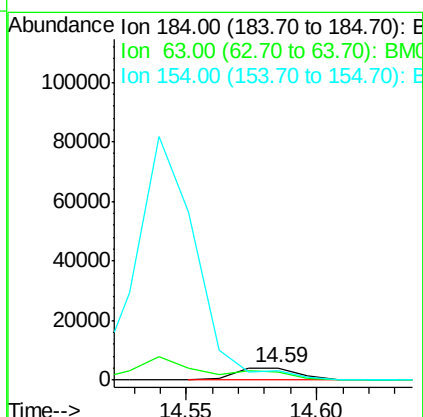
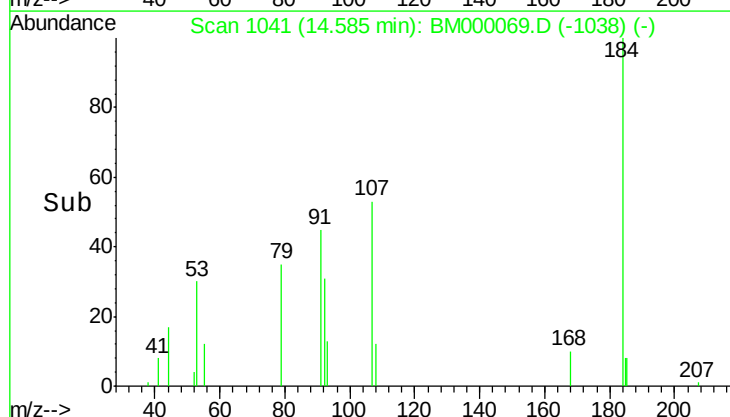
Tgt Ion:184 Resp: 6694

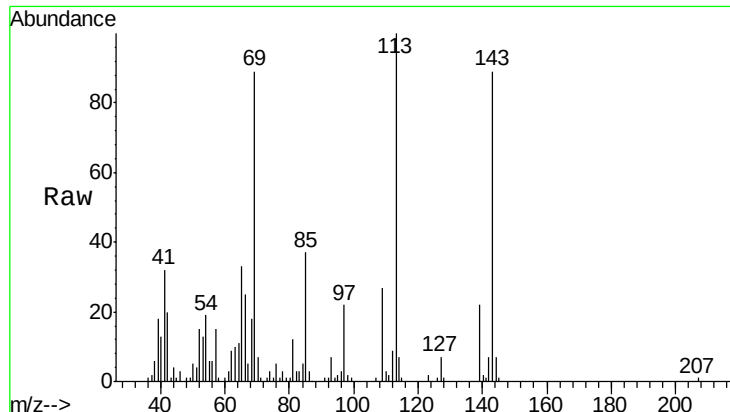
Ion Ratio Lower Upper

184 100

63 63.0 56.1 84.1

154 73.2 68.2 102.4

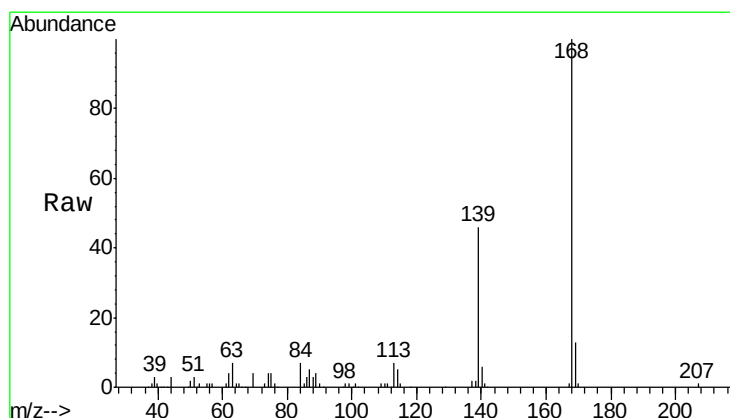
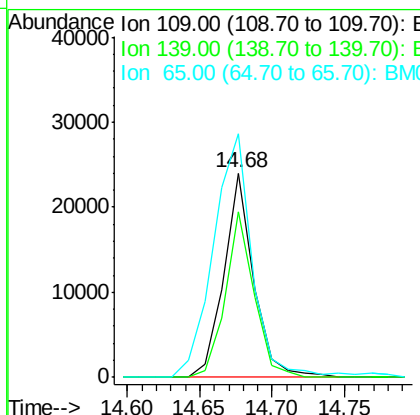
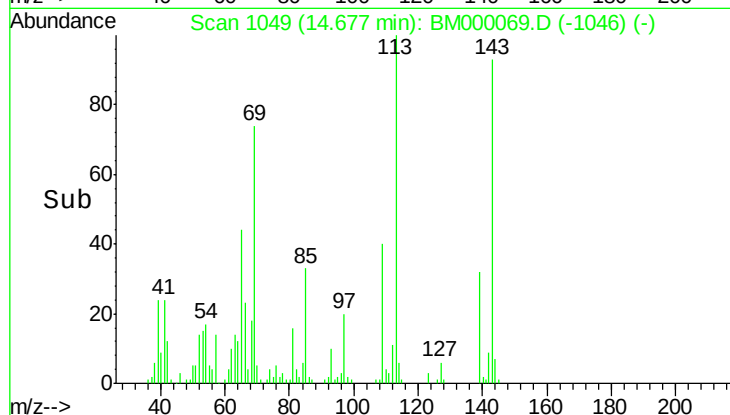




#52
4-Nitrophenol
Concen: 2.81 ng/ul
RT: 14.68 min Scan# 1049
Delta R.T. -0.00 min
Lab File: BM000069.D
Acq: 29 Dec 2014 21:30

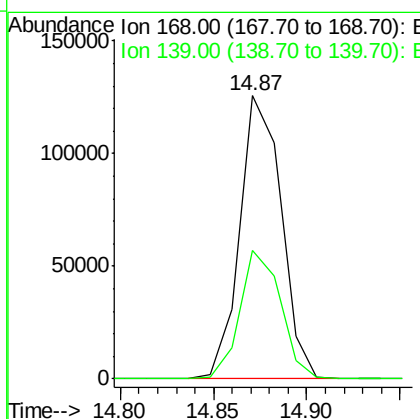
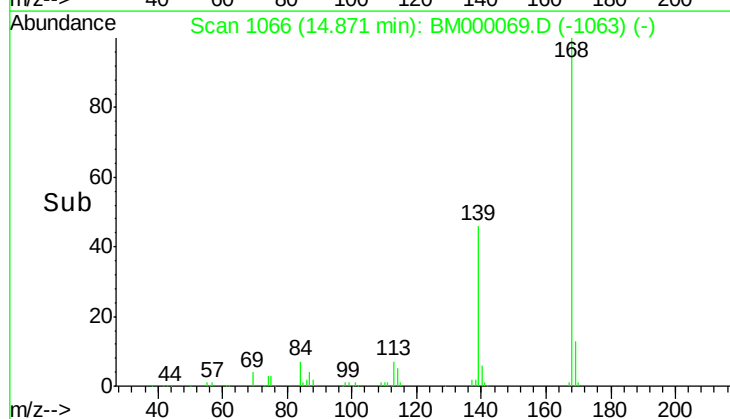
Instrument :
BNA_M
ClientSampleId :
MDL-Soil-3

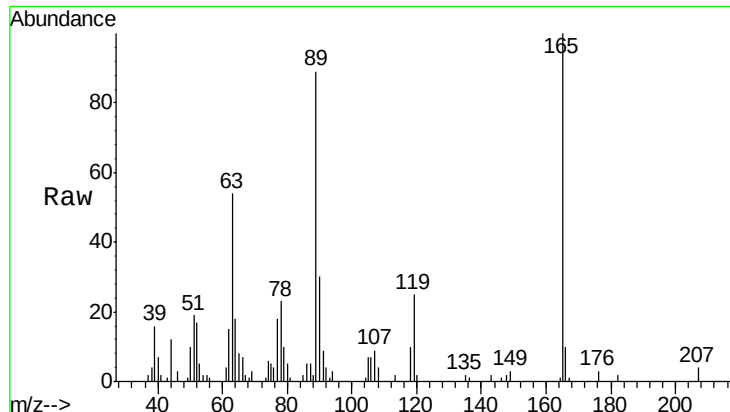
Tgt Ion:109 Resp: 34335
Ion Ratio Lower Upper
109 100
139 81.0 62.5 93.7
65 119.3 88.7 133.1



#53
Dibenzofuran
Concen: 2.93 ng/ul
RT: 14.87 min Scan# 1066
Delta R.T. -0.01 min
Lab File: BM000069.D
Acq: 29 Dec 2014 21:30

Tgt Ion:168 Resp: 194287
Ion Ratio Lower Upper
168 100
139 45.5 33.6 50.4

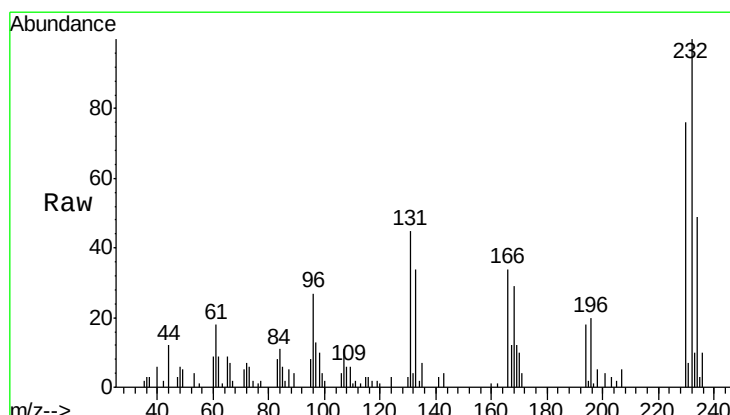
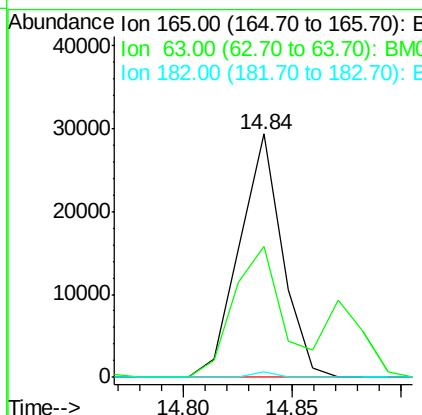
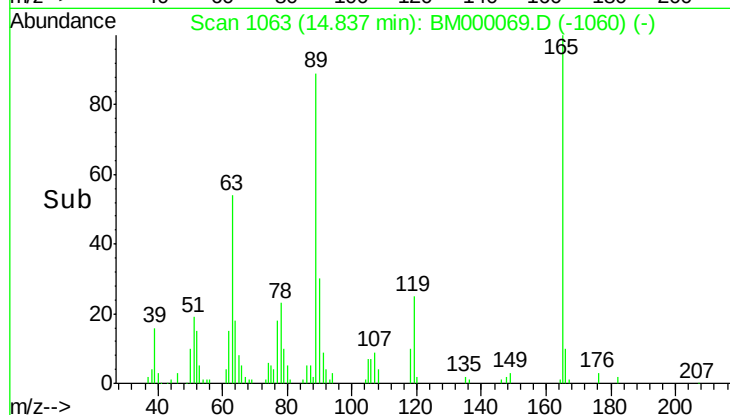




#54
 2,4-Dinitrotoluene
 Concen: 2.66 ng/ul
 RT: 14.84 min Scan# 1063
 Delta R.T. -0.00 min
 Lab File: BM000069.D
 Acq: 29 Dec 2014 21:30

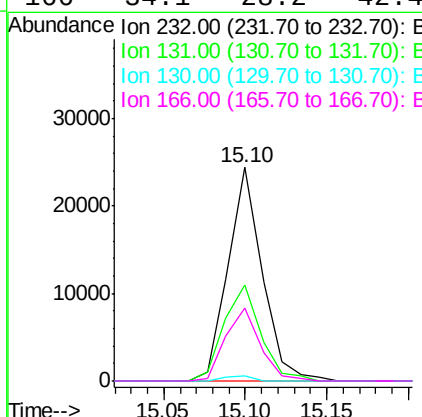
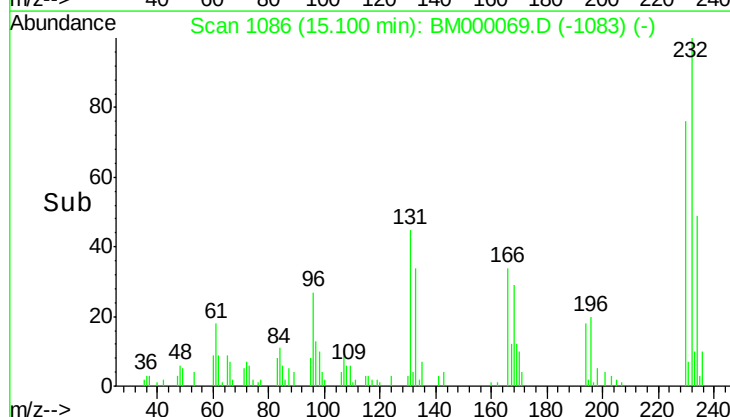
Instrument :
 BNA_M
 ClientSampleId :
 MDL-Soil-3

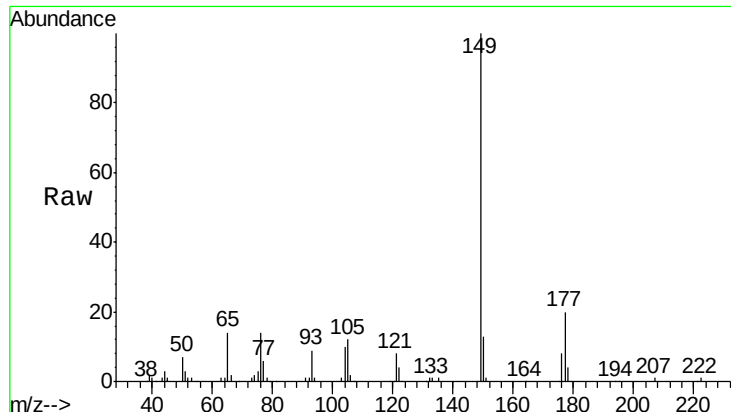
Tgt Ion:165 Resp: 40231
 Ion Ratio Lower Upper
 165 100
 63 53.9 48.8 73.2
 182 2.5 2.1 3.1



#55
 2,3,4,6-Tetrachlorophenol
 Concen: 2.77 ng/ul
 RT: 15.10 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: BM000069.D
 Acq: 29 Dec 2014 21:30

Tgt Ion:232 Resp: 35390
 Ion Ratio Lower Upper
 232 100
 131 45.1 43.4 65.0
 130 2.6 2.7 4.1#
 166 34.1 28.2 42.4

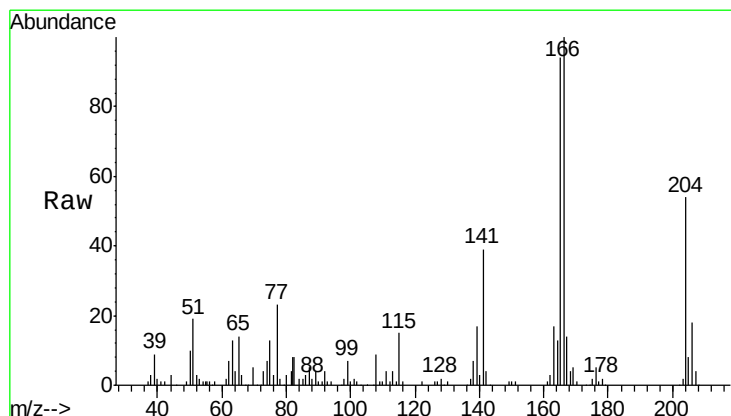
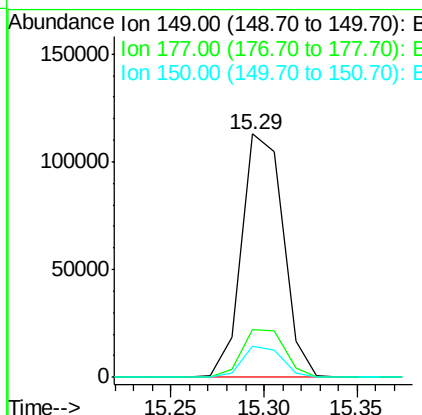
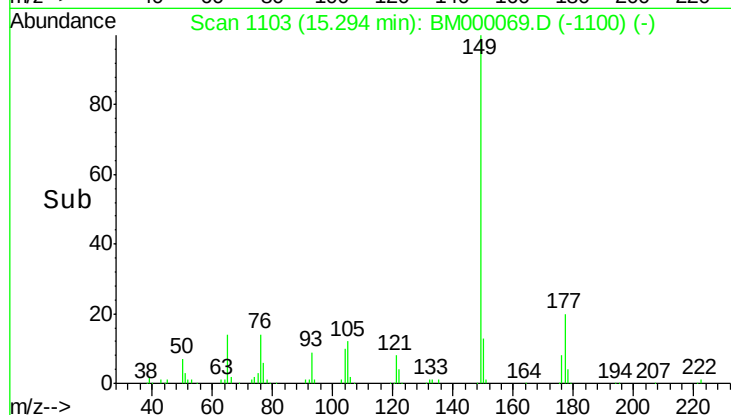




#56
 Diethylphthalate
 Concen: 2.94 ng/ul
 RT: 15.29 min Scan# 1103
 Delta R.T. -0.01 min
 Lab File: BM000069.D
 Acq: 29 Dec 2014 21:30

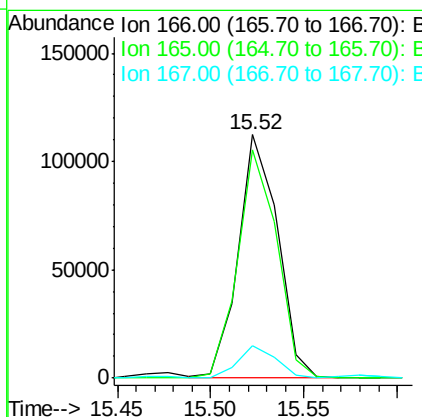
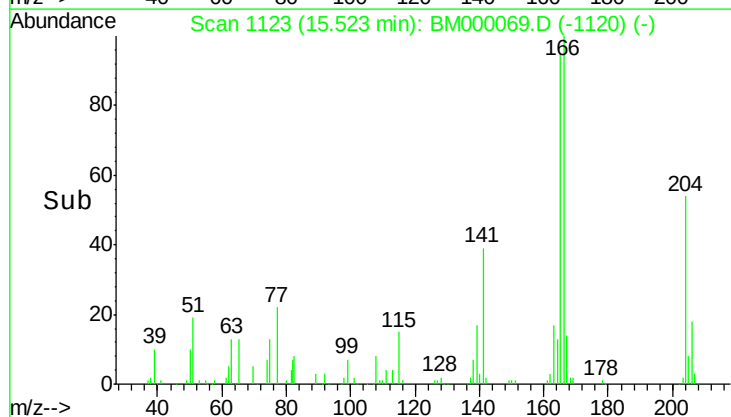
Instrument :
 BNA_M
 ClientSampleId :
 MDL-Soil-3

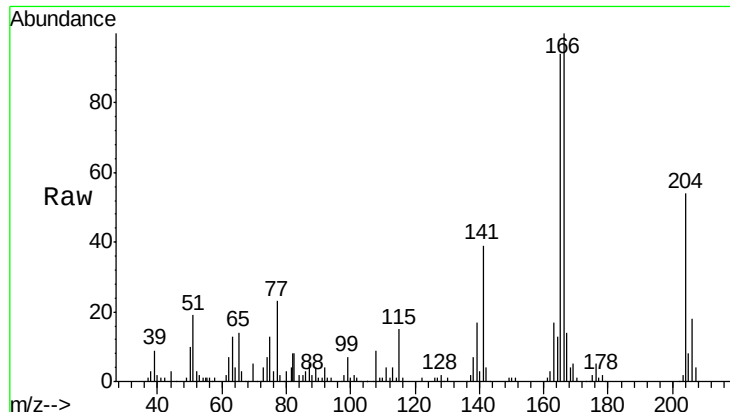
Tgt Ion:	149	Resp:	174681
Ion	Ratio	Lower	Upper
149	100		
177	19.8	17.4	26.2
150	12.6	10.5	15.7



#58
 Fluorene
 Concen: 2.98 ng/ul
 RT: 15.52 min Scan# 1123
 Delta R.T. -0.00 min
 Lab File: BM000069.D
 Acq: 29 Dec 2014 21:30

Tgt Ion:	166	Resp:	164032
Ion	Ratio	Lower	Upper
166	100		
165	94.0	76.0	114.0
167	13.6	10.2	15.4

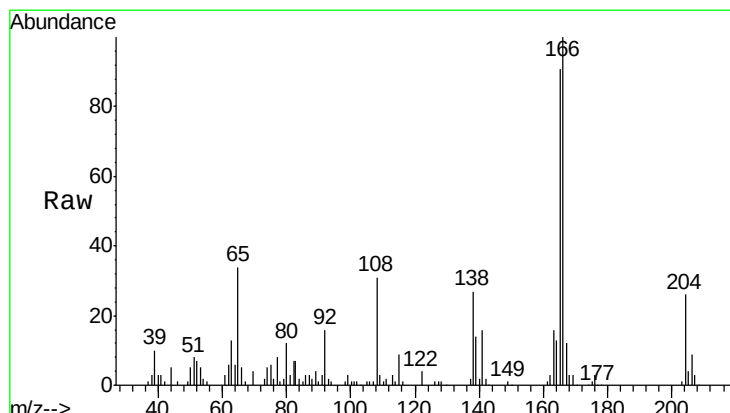
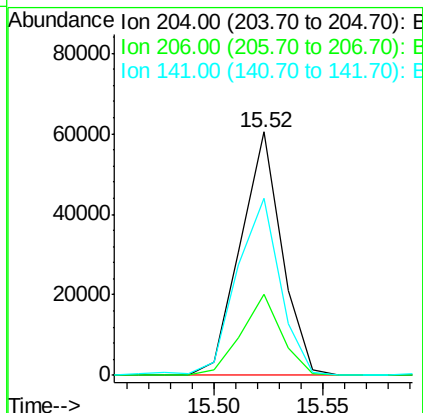
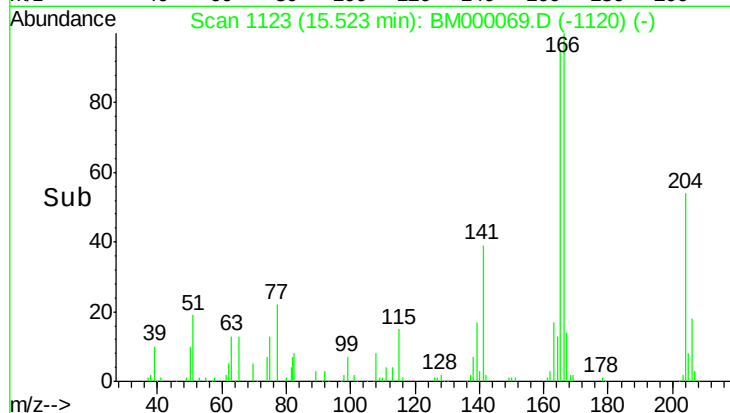




#59
 4-Chlorophenyl-phenylether
 Concen: 2.95 ng/ul
 RT: 15.52 min Scan# 1123
 Delta R.T. -0.00 min
 Lab File: BM000069.D
 Acq: 29 Dec 2014 21:30

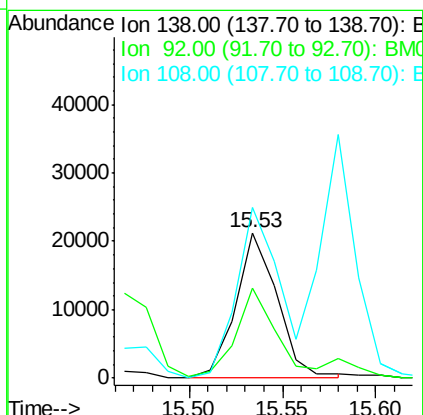
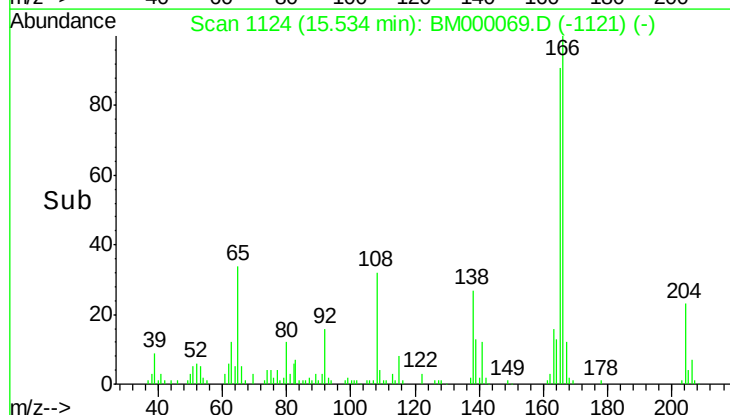
Instrument :
 BNA_M
 ClientSampleId :
 MDL-Soil-3

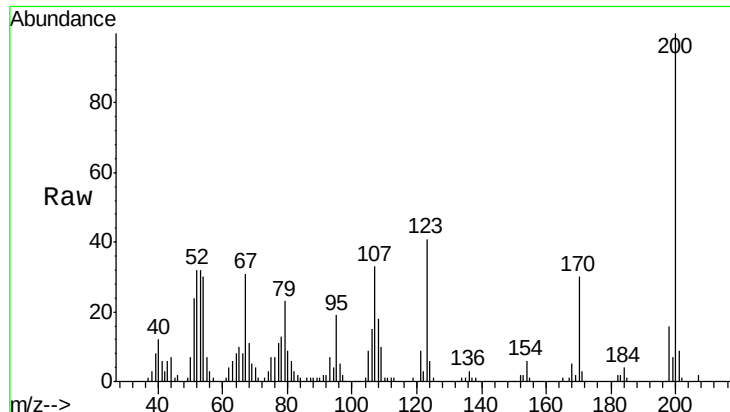
Tgt Ion:204 Resp: 79967
 Ion Ratio Lower Upper
 204 100
 206 33.4 25.8 38.8
 141 72.6 61.3 91.9



#60
 4-Nitroaniline
 Concen: 2.82 ng/ul
 RT: 15.53 min Scan# 1124
 Delta R.T. -0.01 min
 Lab File: BM000069.D
 Acq: 29 Dec 2014 21:30

Tgt Ion:138 Resp: 33071
 Ion Ratio Lower Upper
 138 100
 92 61.7 49.3 73.9
 108 117.5 110.3 165.5

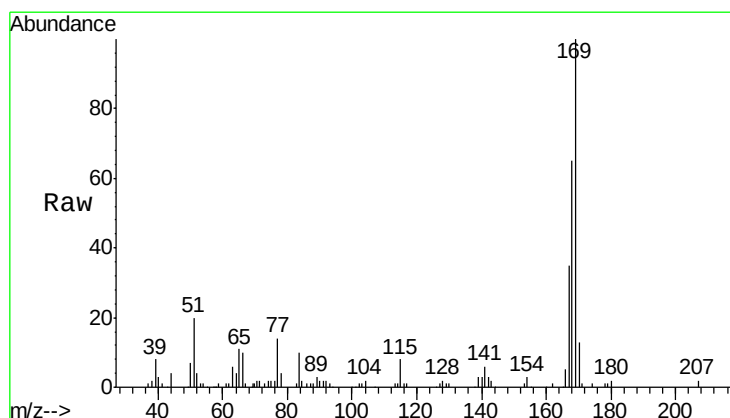
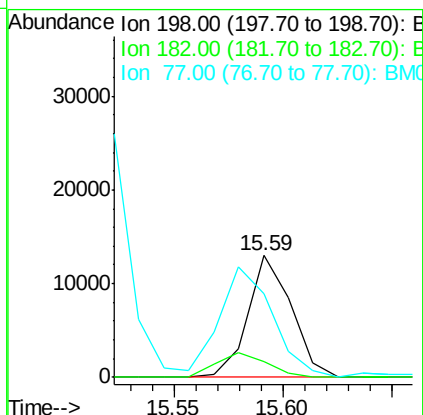
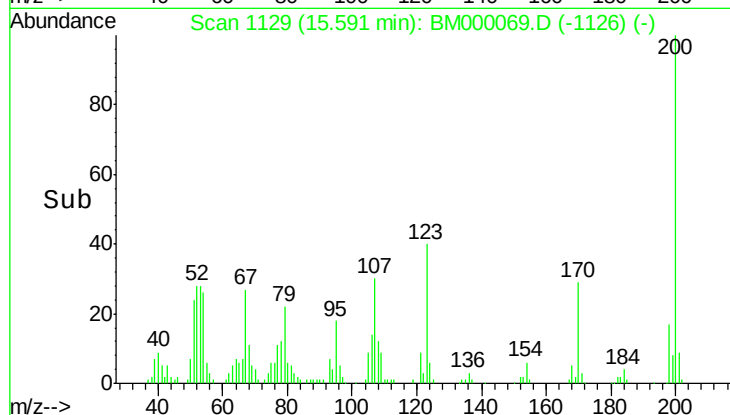




#63
 4,6-Dinitro-2-methylphenol
 Concen: 2.27 ng/ul
 RT: 15.59 min Scan# 1129
 Delta R.T. -0.01 min
 Lab File: BM000069.D
 Acq: 29 Dec 2014 21:30

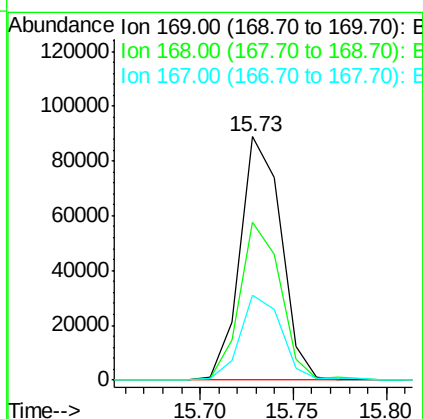
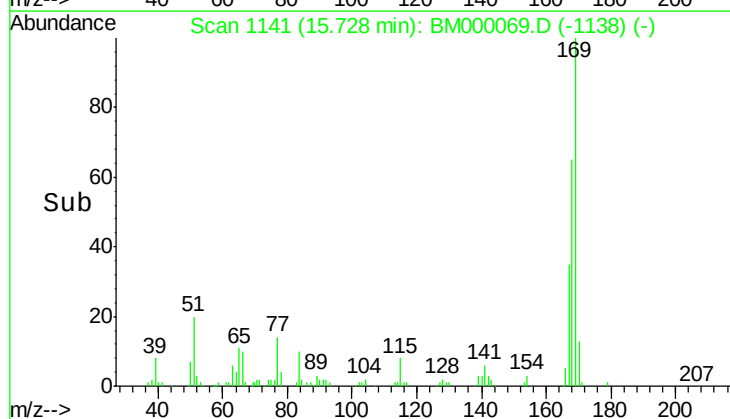
Instrument :
 BNA_M
 ClientSampleId :
 MDL-Soil-3

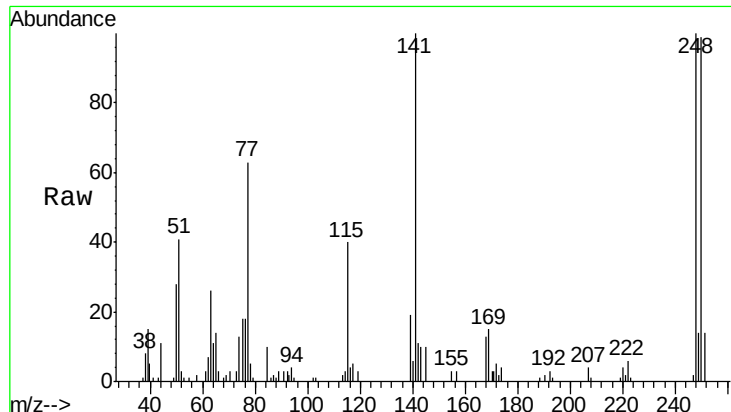
Tgt Ion:198 Resp: 18089
 Ion Ratio Lower Upper
 198 100
 182 13.1 2.6 4.0#
 77 69.2 25.2 37.8#



#64
 N-Nitrosodiphenylamine
 Concen: 2.99 ng/ul
 RT: 15.73 min Scan# 1141
 Delta R.T. -0.01 min
 Lab File: BM000069.D
 Acq: 29 Dec 2014 21:30

Tgt Ion:169 Resp: 136047
 Ion Ratio Lower Upper
 169 100
 168 64.9 51.8 77.6
 167 34.8 28.1 42.1

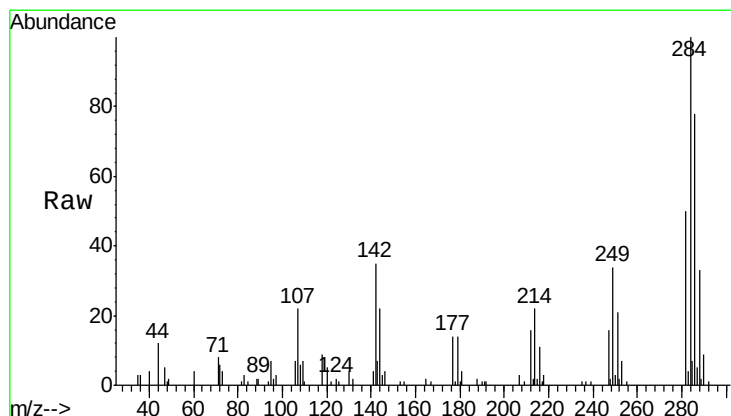
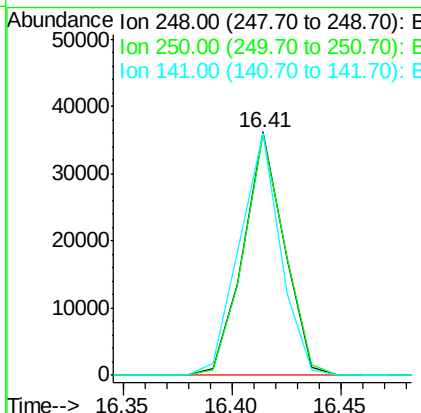
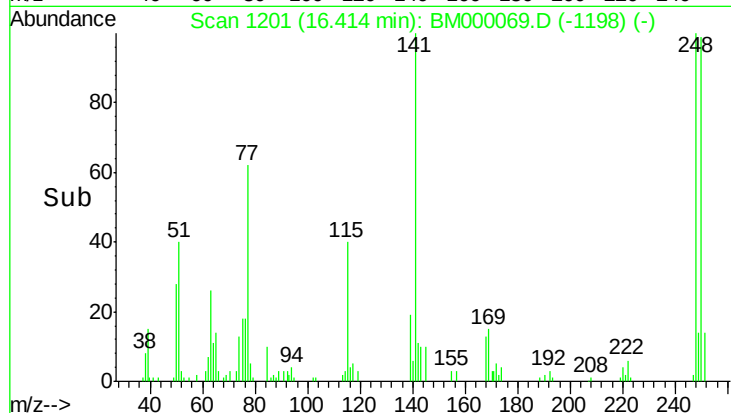




#65
 4-Bromophenyl-phenylether
 Concen: 2.97 ng/ul
 RT: 16.41 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: BM000069.D
 Acq: 29 Dec 2014 21:30

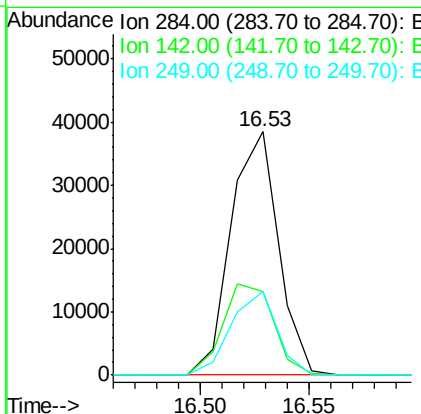
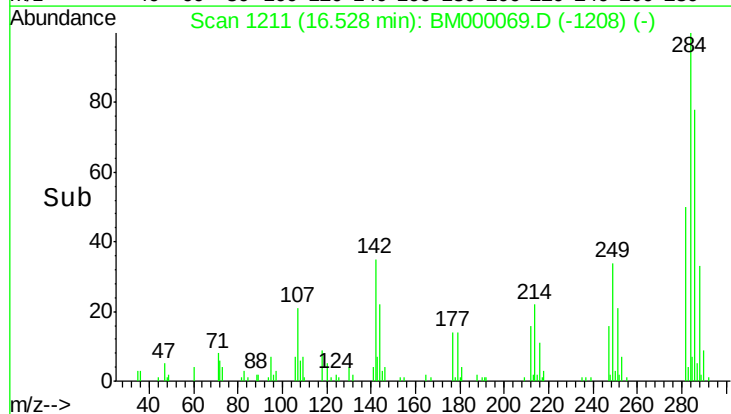
Instrument :
 BNA_M
 ClientSampleId :
 MDL-Soil-3

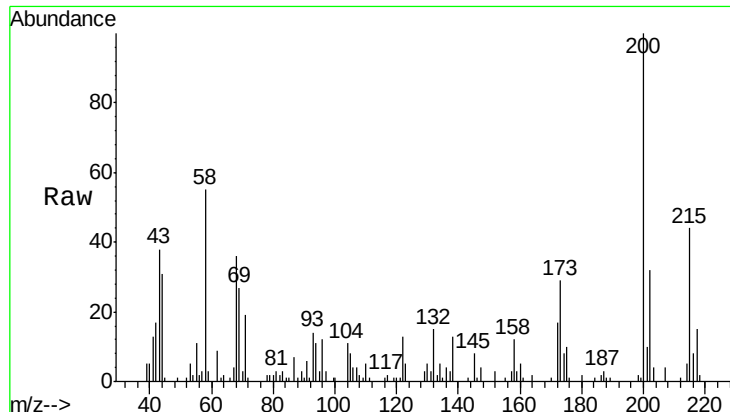
Tgt Ion:	248	Resp:	47514
Ion	Ratio	Lower	Upper
248	100		
250	98.8	78.4	117.6
141	99.5	67.0	100.4



#66
 Hexachlorobenzene
 Concen: 3.17 ng/ul
 RT: 16.53 min Scan# 1211
 Delta R.T. -0.00 min
 Lab File: BM000069.D
 Acq: 29 Dec 2014 21:30

Tgt Ion:	284	Resp:	58458
Ion	Ratio	Lower	Upper
284	100		
142	34.5	32.4	48.6
249	34.3	26.7	40.1

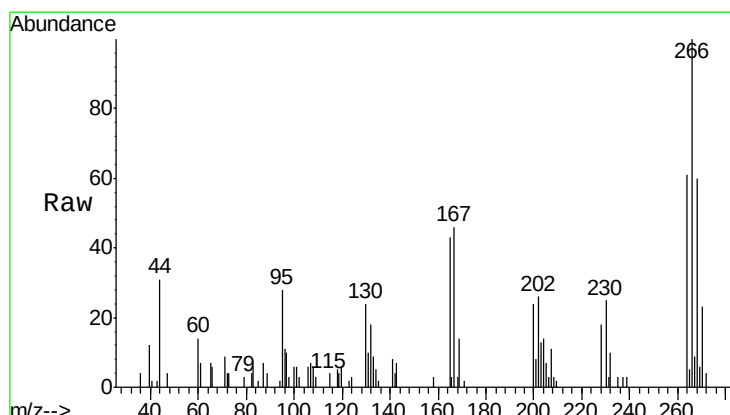
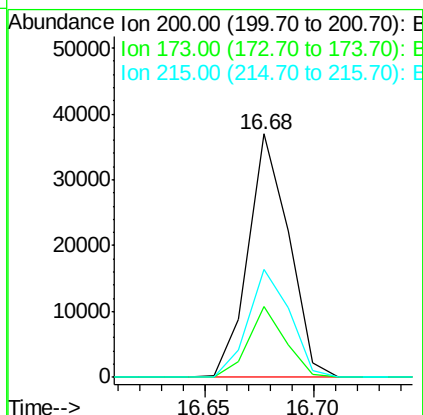
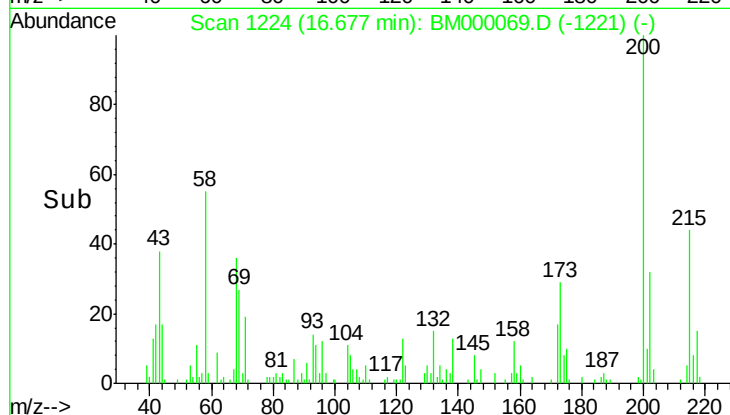




#67
Atrazine
Concen: 2.70 ng/ul
RT: 16.68 min Scan# 1224
Delta R.T. -0.01 min
Lab File: BM000069.D
Acq: 29 Dec 2014 21:30

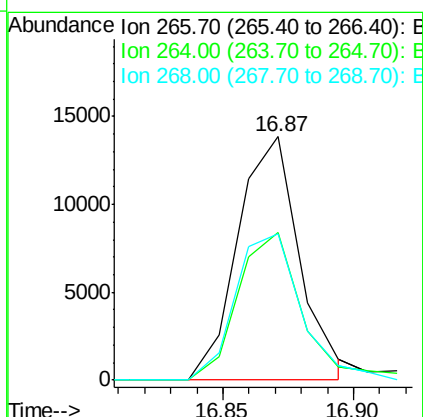
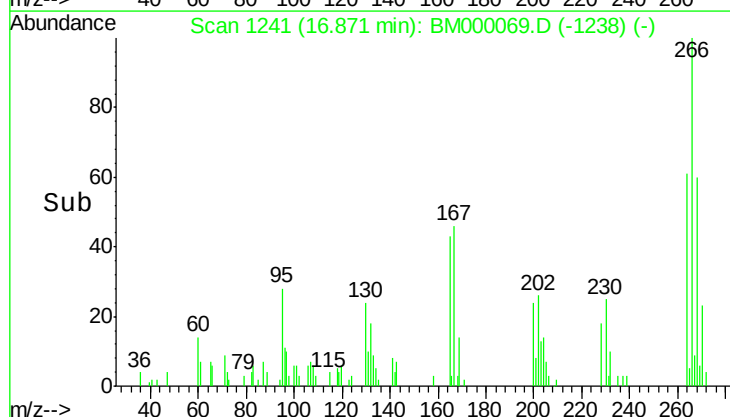
Instrument :
BNA_M
ClientSampled :
MDL-Soil-3

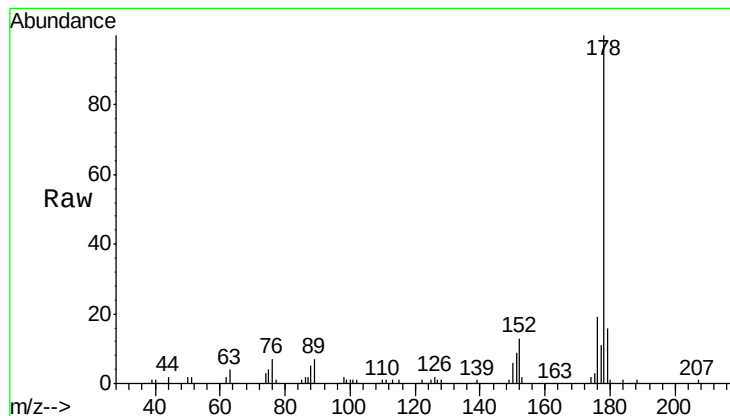
Tgt Ion:200 Resp: 48375
Ion Ratio Lower Upper
200 100
173 29.0 19.5 29.3
215 44.3 36.6 54.8



#68
Pentachlorophenol
Concen: 2.05 ng/ul
RT: 16.87 min Scan# 1241
Delta R.T. -0.00 min
Lab File: BM000069.D
Acq: 29 Dec 2014 21:30

Tgt Ion:266 Resp: 22979
Ion Ratio Lower Upper
266 100
264 60.5 49.8 74.6
268 60.0 48.2 72.4





#69

Phenanthrene

Concen: 3.06 ng/ul

RT: 17.26 min Scan# 1275

Delta R.T. -0.00 min

Lab File: BM000069.D

Acq: 29 Dec 2014 21:30

Instrument :

BNA_M

ClientSampleId :

MDL-Soil-3

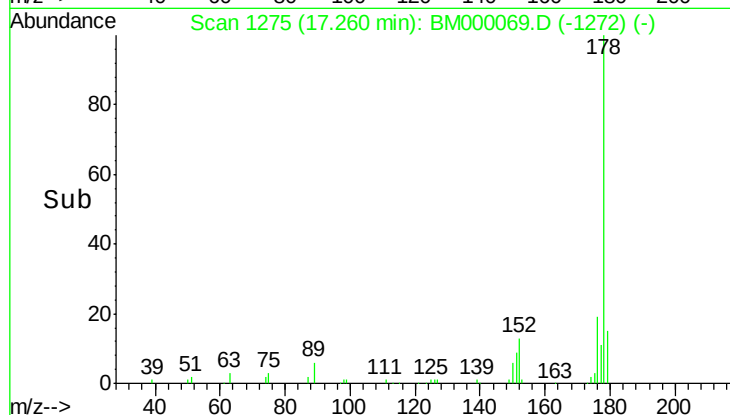
Tgt Ion:178 Resp: 259990

Ion Ratio Lower Upper

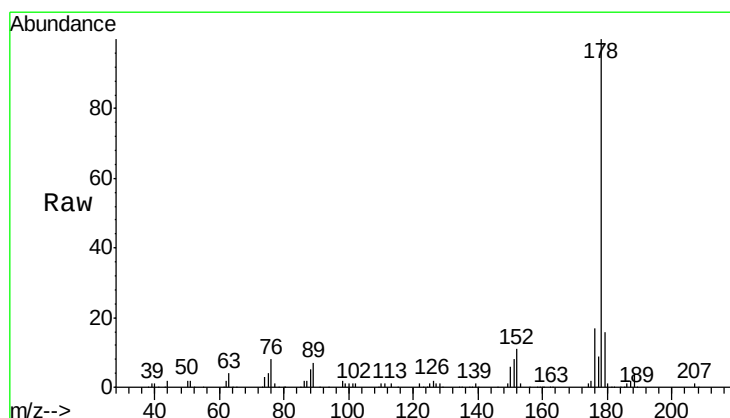
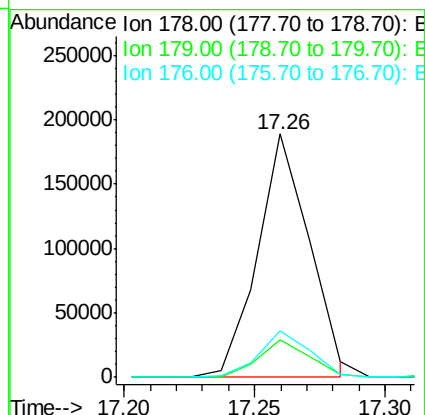
178 100

179 15.6 11.6 17.4

176 19.1 14.6 22.0



Scan 1275 (17.260 min): BM000069.D (-1272) (-)



#71

Anthracene

Concen: 2.93 ng/ul

RT: 17.35 min Scan# 1283

Delta R.T. -0.00 min

Lab File: BM000069.D

Acq: 29 Dec 2014 21:30

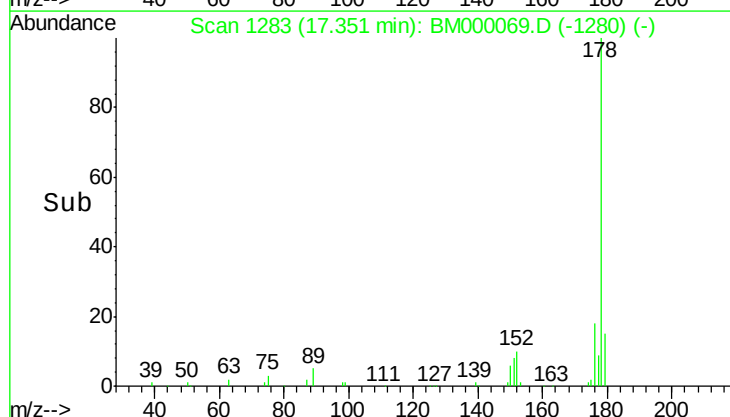
Tgt Ion:178 Resp: 255864

Ion Ratio Lower Upper

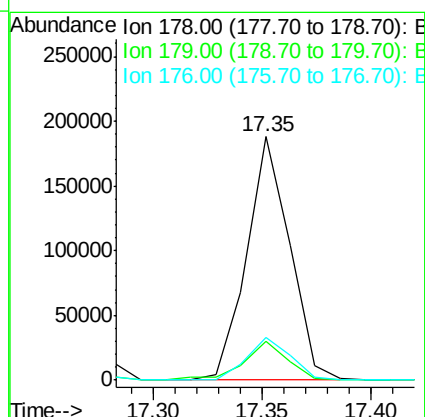
178 100

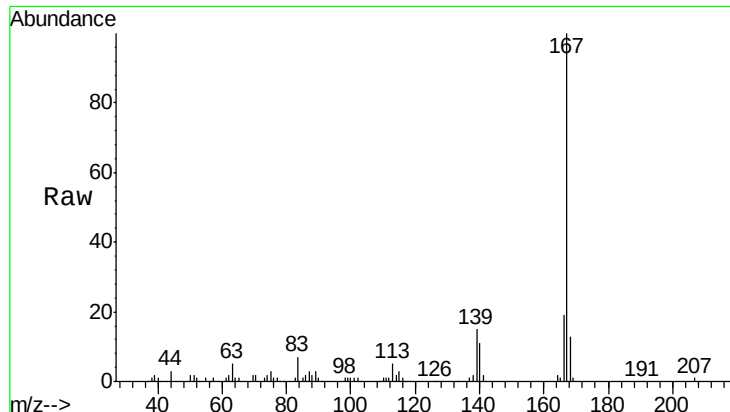
179 16.0 12.6 18.8

176 17.5 14.6 21.8



Scan 1283 (17.351 min): BM000069.D (-1280) (-)





#72

Carbazole

Concen: 2.91 ng/ul

RT: 17.61 min Scan# 1306

Delta R.T. -0.01 min

Lab File: BM000069.D

Acq: 29 Dec 2014 21:30

Instrument :

BNA_M

ClientSampleId :

MDL-Soil-3

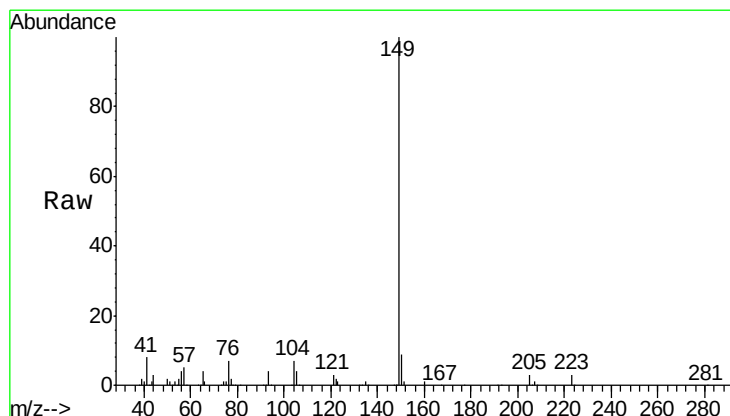
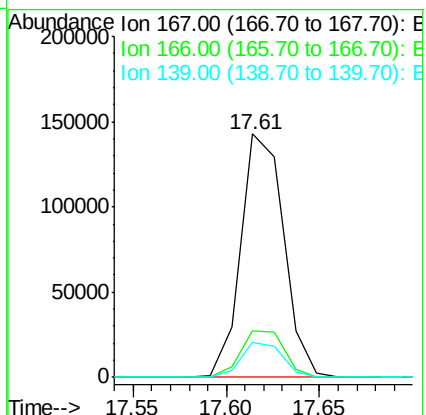
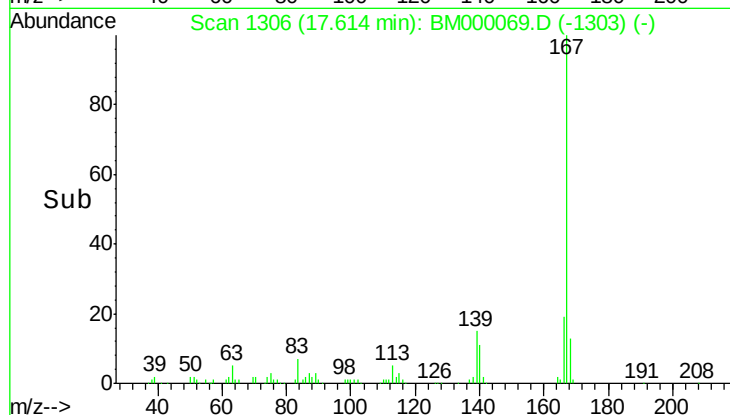
Tgt Ion:167 Resp: 228611

Ion Ratio Lower Upper

167 100

166 19.3 16.2 24.4

139 14.5 10.7 16.1



#73

Di-n-butylphthalate

Concen: 3.02 ng/ul

RT: 18.19 min Scan# 1356

Delta R.T. -0.00 min

Lab File: BM000069.D

Acq: 29 Dec 2014 21:30

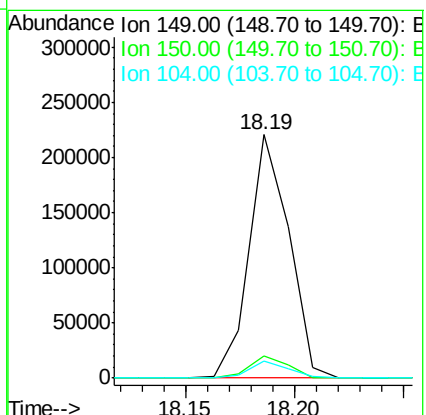
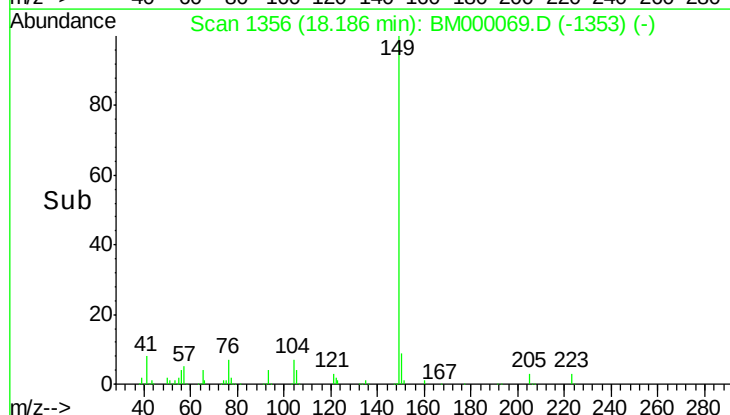
Tgt Ion:149 Resp: 283312

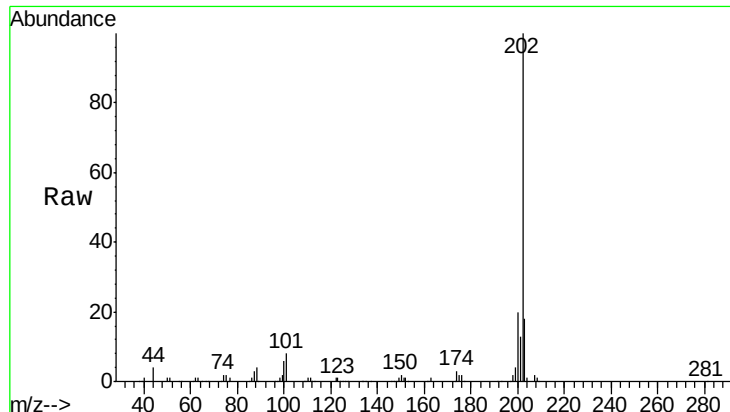
Ion Ratio Lower Upper

149 100

150 9.2 7.1 10.7

104 6.8 4.8 7.2





#74

Fluoranthene

Concen: 3.07 ng/ul

RT: 19.28 min Scan# 1452

Delta R.T. -0.00 min

Lab File: BM000069.D

Acq: 29 Dec 2014 21:30

Instrument :

BNA_M

ClientSampleId :

MDL-Soil-3

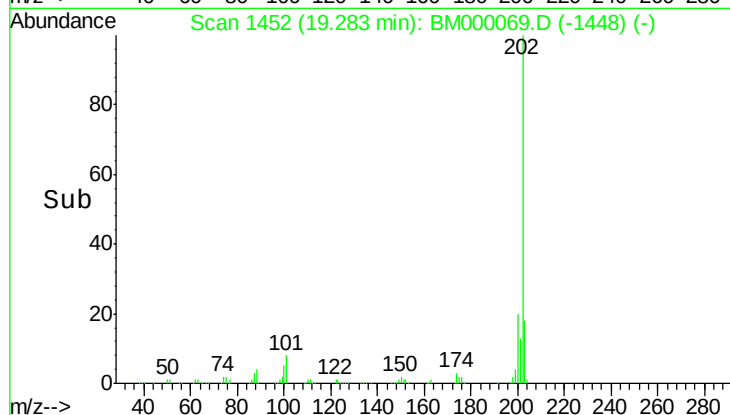
Tgt Ion:202 Resp: 298979

Ion Ratio Lower Upper

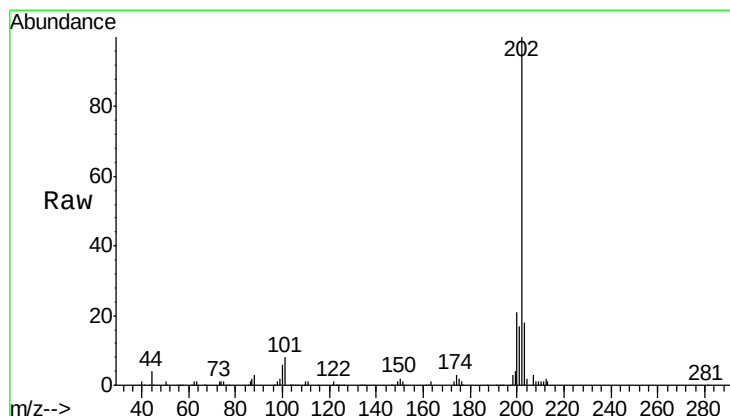
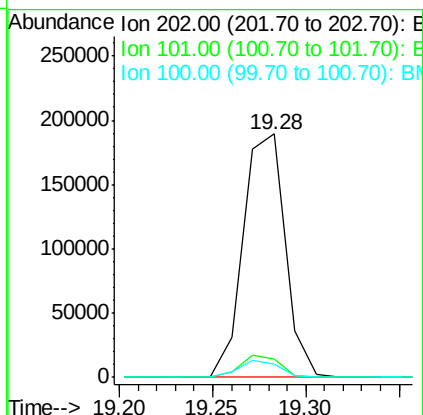
202 100

101 7.8 6.4 9.6

100 5.7 4.6 7.0



Scan 1452 (19.283 min): BM000069.D (-1448) (-)



#77

Pyrene

Concen: 3.39 ng/ul

RT: 19.65 min Scan# 1484

Delta R.T. 0.01 min

Lab File: BM000069.D

Acq: 29 Dec 2014 21:30

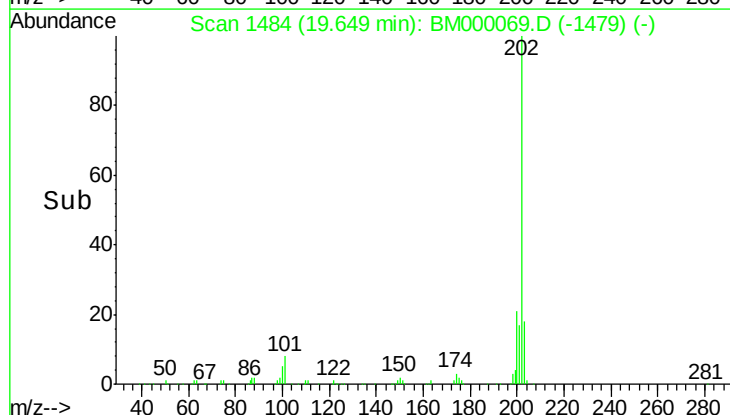
Tgt Ion:202 Resp: 319972

Ion Ratio Lower Upper

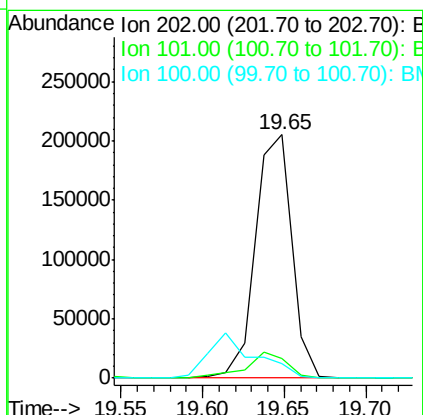
202 100

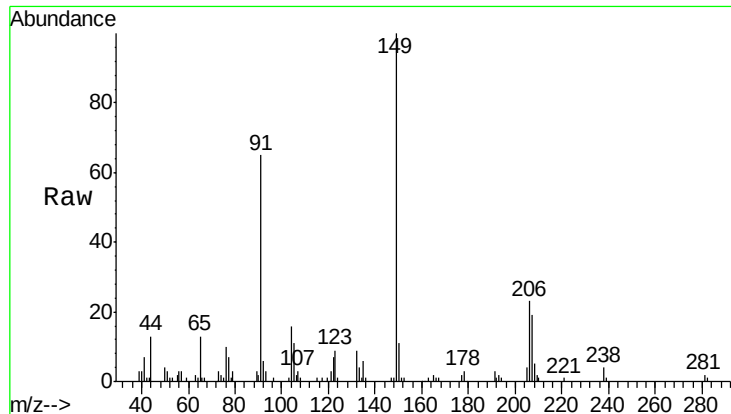
101 8.1 6.9 10.3

100 6.1 5.5 8.3



Scan 1484 (19.649 min): BM000069.D (-1479) (-)

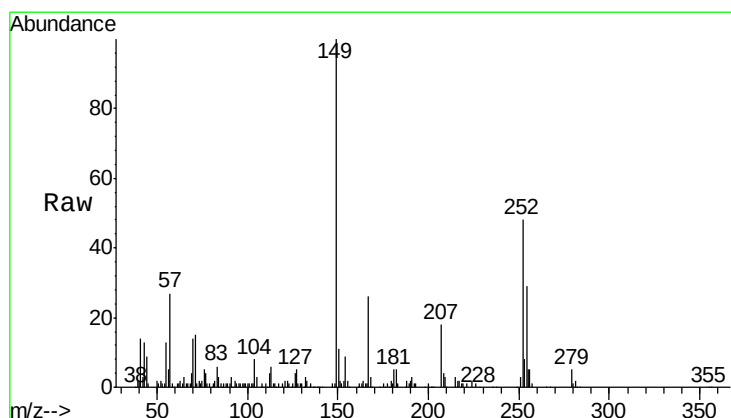
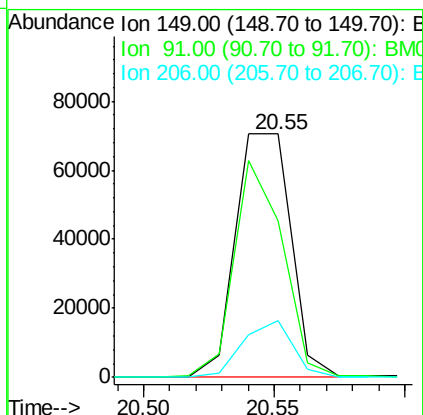
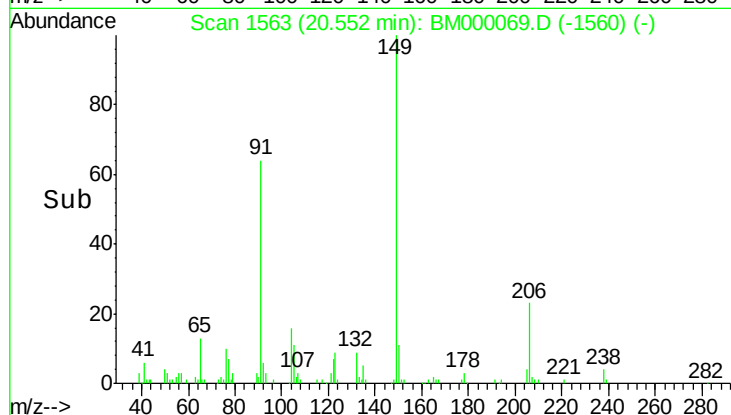




#78
Butylbenzylphthalate
Concen: 2.76 ng/ul
RT: 20.55 min Scan# 1563
Delta R.T. 0.01 min
Lab File: BM000069.D
Acq: 29 Dec 2014 21:30

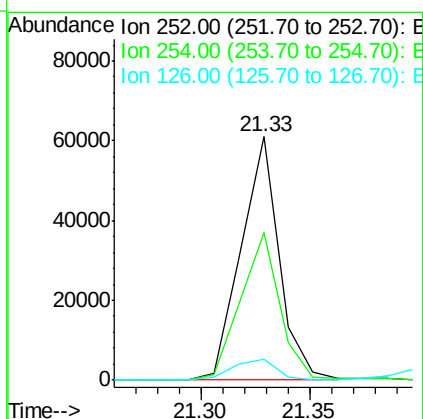
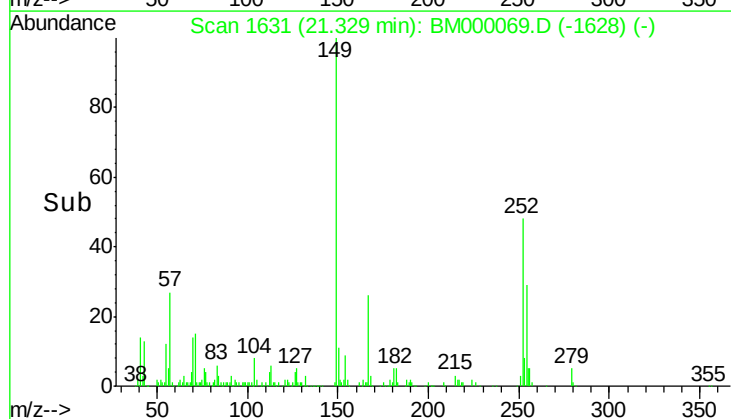
Instrument :
BNA_M
ClientSampleId :
MDL-Soil-3

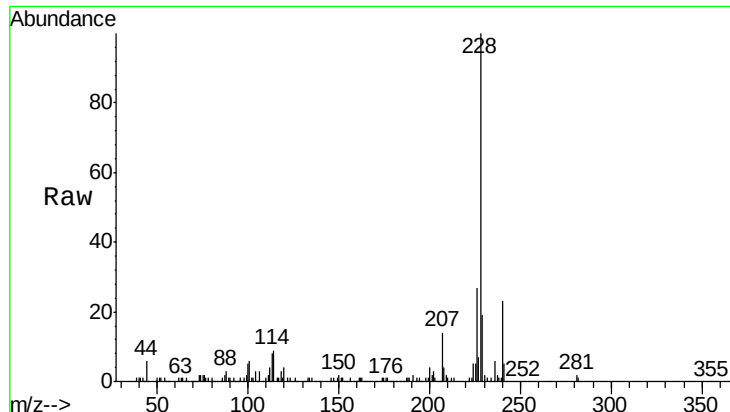
Tgt Ion:149 Resp: 105922
Ion Ratio Lower Upper
149 100
91 64.6 56.6 84.8
206 23.5 16.8 25.2



#79
3,3'-Dichlorobenzidine
Concen: 2.60 ng/ul
RT: 21.33 min Scan# 1631
Delta R.T. -0.00 min
Lab File: BM000069.D
Acq: 29 Dec 2014 21:30

Tgt Ion:252 Resp: 74389
Ion Ratio Lower Upper
252 100
254 60.6 51.2 76.8
126 8.4 7.9 11.9

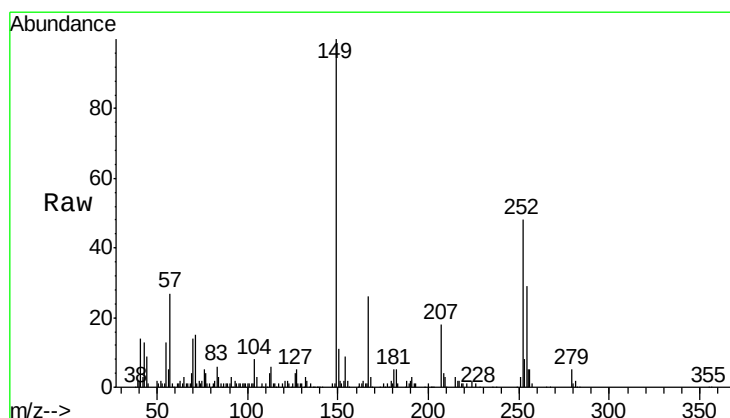
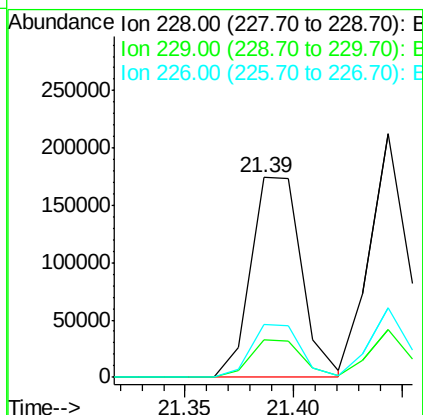
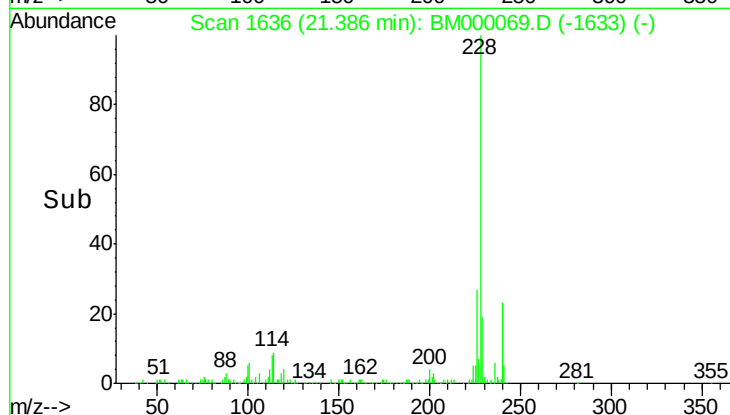




#80
Benzo(a)anthracene
Concen: 3.14 ng/ul
RT: 21.39 min Scan# 1636
Delta R.T. -0.00 min
Lab File: BM000069.D
Acq: 29 Dec 2014 21:30

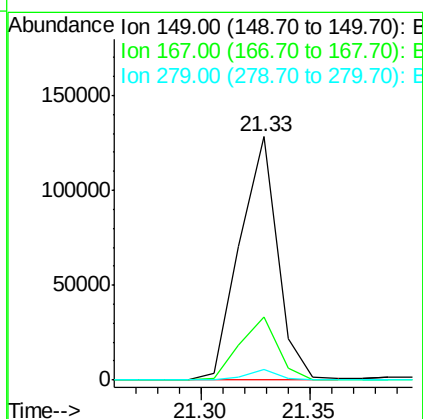
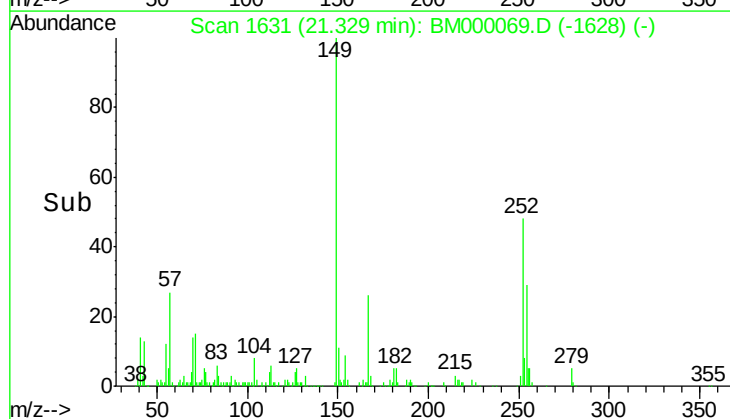
Instrument :
BNA_M
ClientSampleId :
MDL-Soil-3

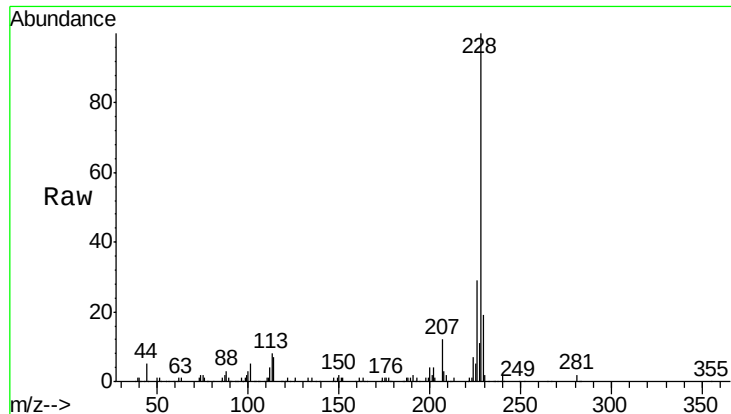
Tgt Ion:228 Resp: 283711
Ion Ratio Lower Upper
228 100
229 19.1 15.8 23.8
226 26.7 20.7 31.1



#81
Bis(2-ethylhexyl)phthalate
Concen: 2.77 ng/ul
RT: 21.33 min Scan# 1631
Delta R.T. -0.00 min
Lab File: BM000069.D
Acq: 29 Dec 2014 21:30

Tgt Ion:149 Resp: 154423
Ion Ratio Lower Upper
149 100
167 26.1 22.1 33.1
279 4.6 3.0 4.6#

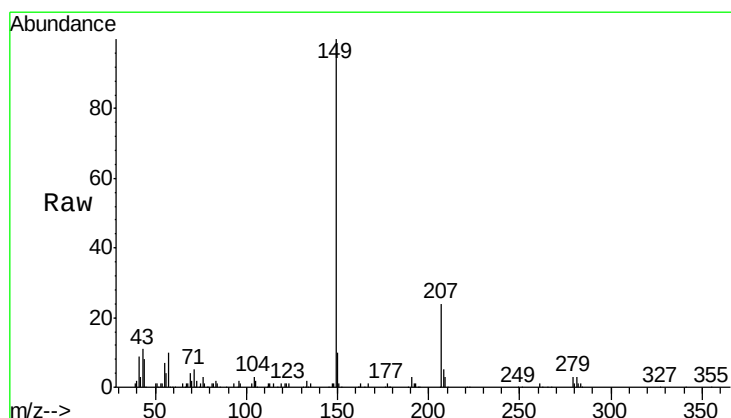
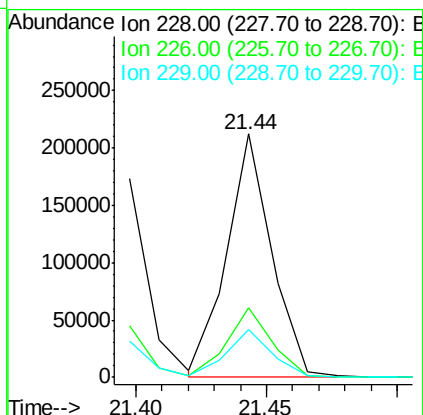
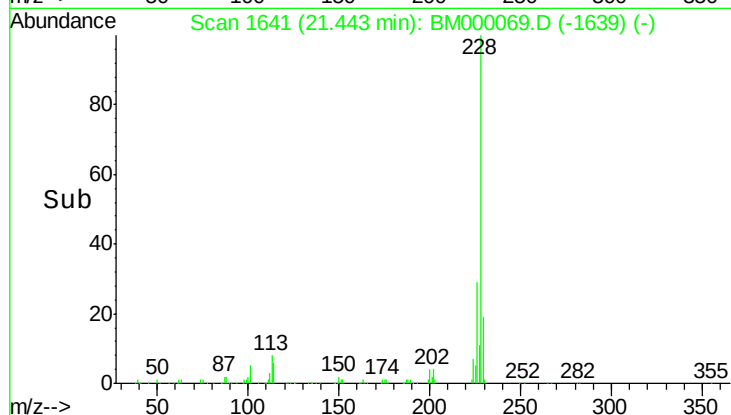




#82
 Chrysene
 Concen: 3.08 ng/ul
 RT: 21.44 min Scan# 1641
 Delta R.T. -0.00 min
 Lab File: BM000069.D
 Acq: 29 Dec 2014 21:30

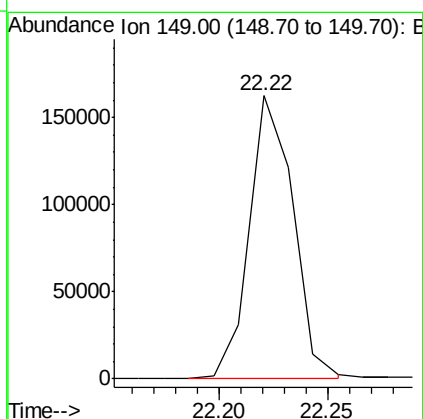
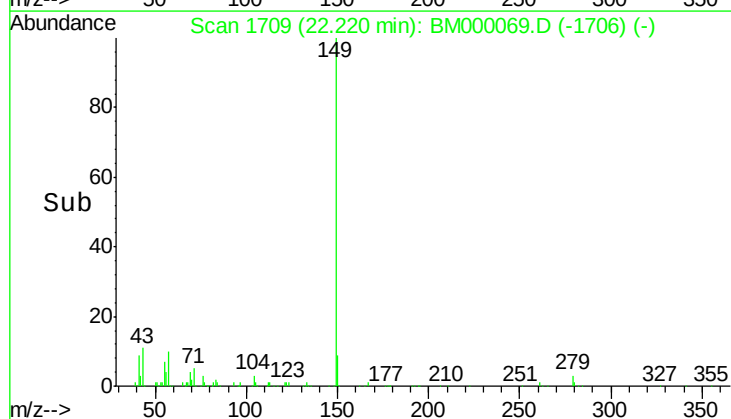
Instrument :
 BNA_M
 ClientSampleId :
 MDL-Soil-3

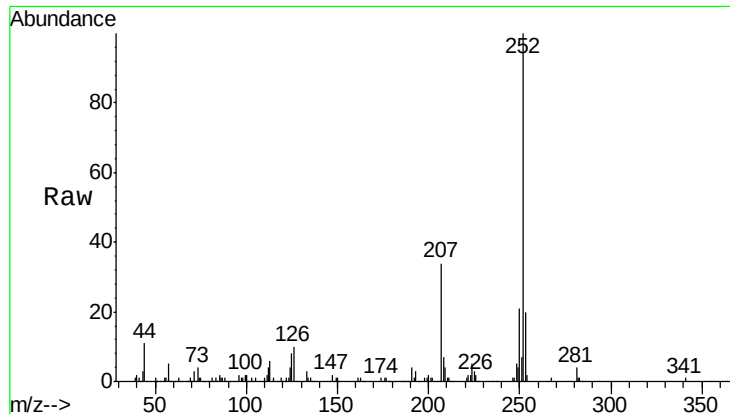
Tgt Ion:228 Resp: 256173
 Ion Ratio Lower Upper
 228 100
 226 28.8 23.0 34.4
 229 19.4 15.6 23.4



#84
 Di-n-octyl phthalate
 Concen: 2.68 ng/ul
 RT: 22.22 min Scan# 1709
 Delta R.T. -0.00 min
 Lab File: BM000069.D
 Acq: 29 Dec 2014 21:30

Tgt Ion:149 Resp: 226694

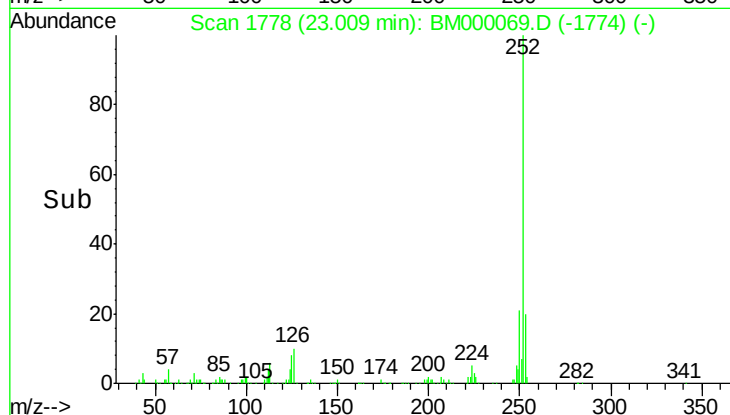




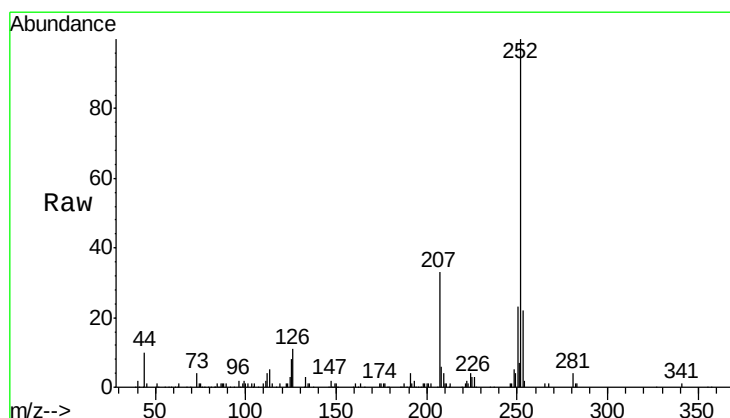
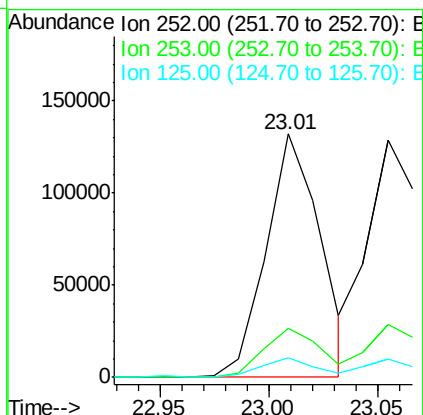
#85
Benzo(b)fluoranthene
Concen: 2.93 ng/ul
RT: 23.01 min Scan# 1778
Delta R.T. -0.00 min
Lab File: BM000069.D
Acq: 29 Dec 2014 21:30

Instrument :
BNA_M
ClientSampleId :
MDL-Soil-3

Tgt Ion:252 Resp: 230195
Ion Ratio Lower Upper
252 100
253 20.3 17.1 25.7
125 8.2 4.8 7.2#

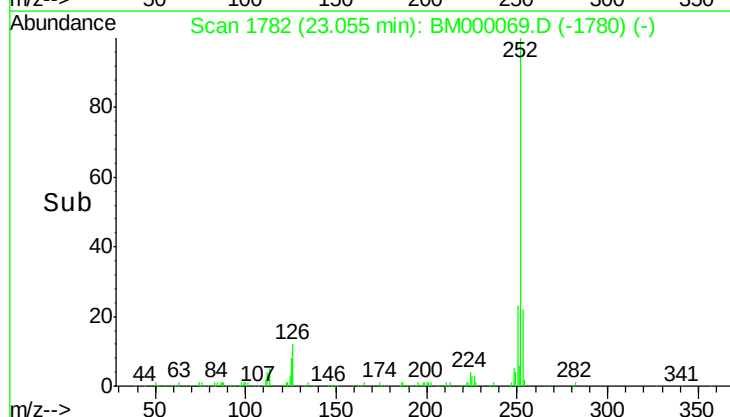


Scan 1778 (23.009 min): BM000069.D (-1774) (-)

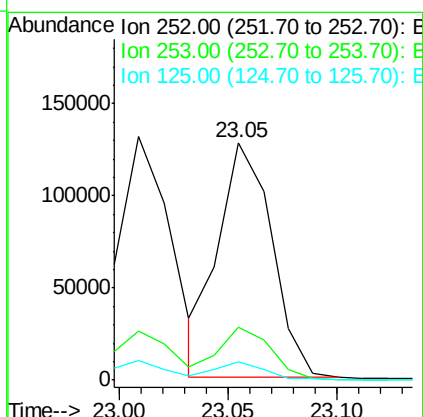


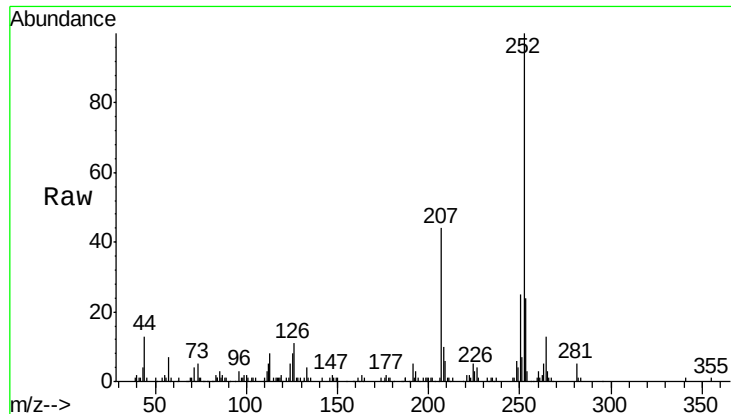
#86
Benzo(k)fluoranthene
Concen: 3.23 ng/ul
RT: 23.05 min Scan# 1782
Delta R.T. -0.00 min
Lab File: BM000069.D
Acq: 29 Dec 2014 21:30

Tgt Ion:252 Resp: 216712
Ion Ratio Lower Upper
252 100
253 22.5 17.2 25.8
125 7.7 4.9 7.3#



Scan 1782 (23.055 min): BM000069.D (-1780) (-)

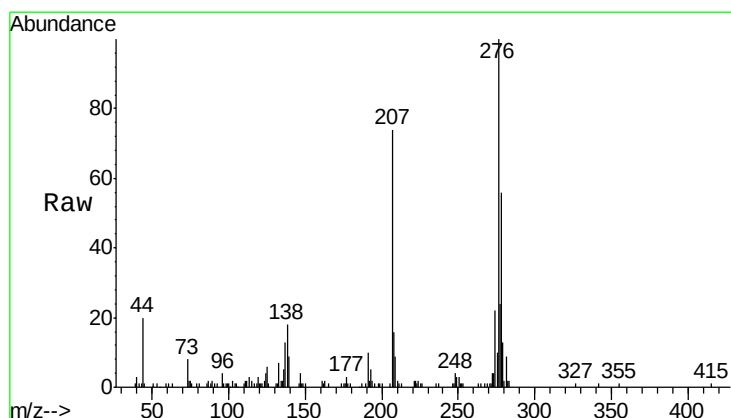
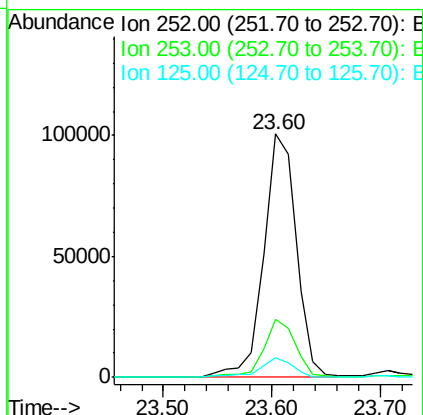
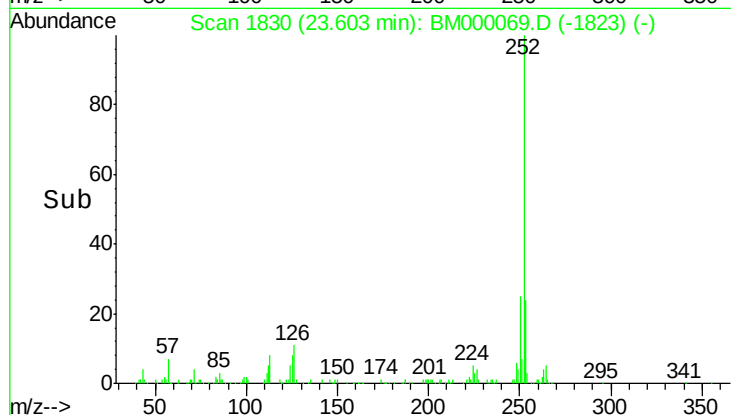




#88
Benzo(a)pyrene
Concen: 3.06 ng/ul
RT: 23.60 min Scan# 1830
Delta R.T. -0.00 min
Lab File: BM000069.D
Acq: 29 Dec 2014 21:30

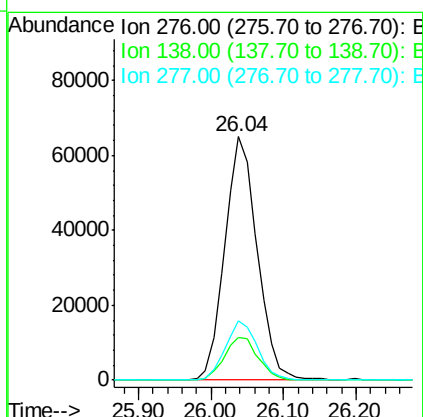
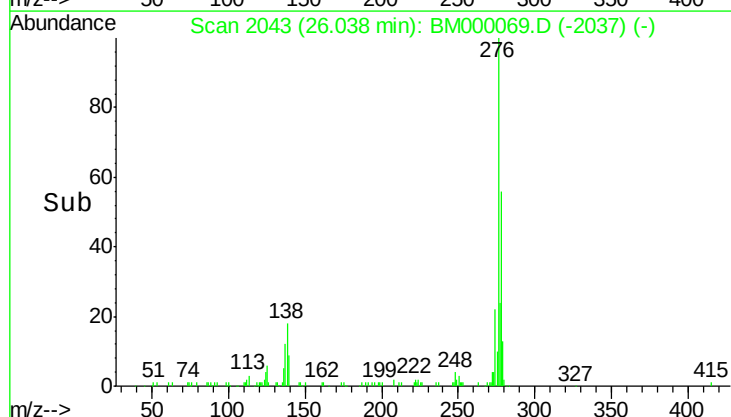
Instrument :
BNA_M
ClientSampleId :
MDL-Soil-3

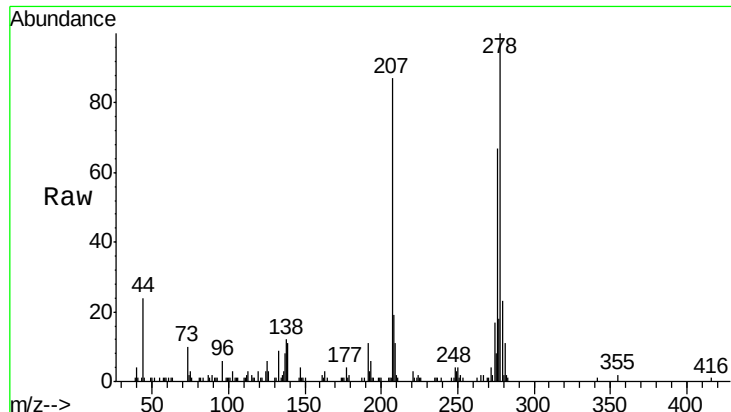
Tgt Ion:252 Resp: 210931
Ion Ratio Lower Upper
252 100
253 23.7 17.0 25.6
125 8.2 5.8 8.6



#89
Indeno(1,2,3-cd)pyrene
Concen: 2.80 ng/ul
RT: 26.04 min Scan# 2043
Delta R.T. -0.01 min
Lab File: BM000069.D
Acq: 29 Dec 2014 21:30

Tgt Ion:276 Resp: 201719
Ion Ratio Lower Upper
276 100
138 17.6 14.2 21.2
277 24.3 18.8 28.2

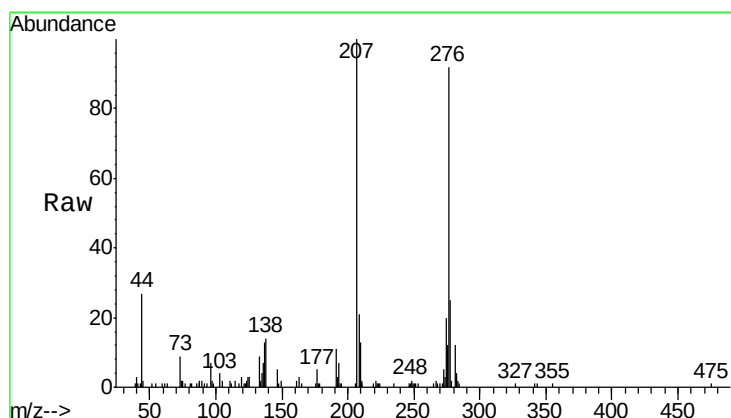
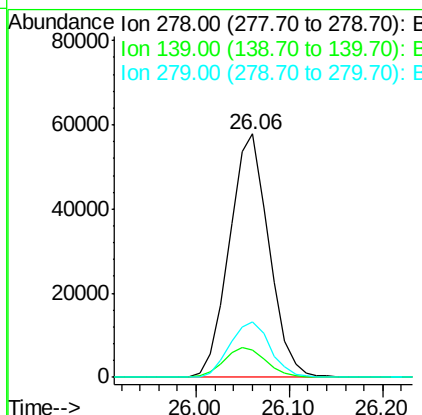
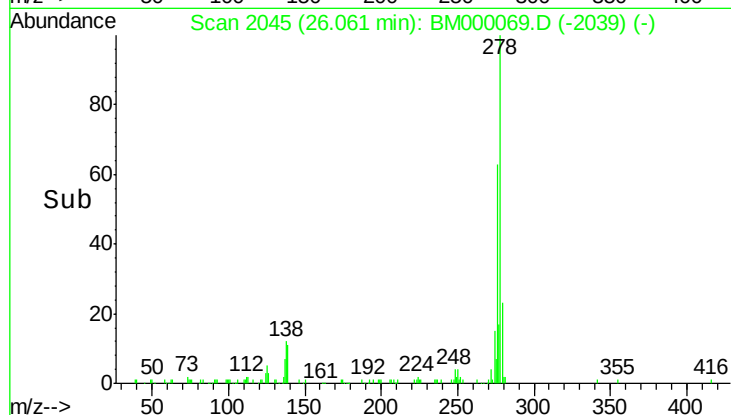




#90
 Dibenzo(a,h)anthracene
 Concen: 2.81 ng/ul
 RT: 26.06 min Scan# 2045
 Delta R.T. -0.00 min
 Lab File: BM000069.D
 Acq: 29 Dec 2014 21:30

Instrument :
 BNA_M
 ClientSampleId :
 MDL-Soil-3

Tgt Ion:278 Resp: 170116
 Ion Ratio Lower Upper
 278 100
 139 11.0 10.2 15.2
 279 23.0 19.2 28.8



#91
 Benzo(g,h,i)perylene
 Concen: 2.70 ng/ul
 RT: 26.76 min Scan# 2106
 Delta R.T. -0.00 min
 Lab File: BM000069.D
 Acq: 29 Dec 2014 21:30

Tgt Ion:276 Resp: 159501
 Ion Ratio Lower Upper
 276 100
 138 14.9 12.1 18.1
 277 27.6 19.0 28.4

