

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122914\
 Data File : BM000072.D
 Acq On : 29 Dec 2014 23:17
 Operator : TP
 Sample : MDL-06-S
 Misc : MDL--SOIL-4PPM
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleID :
 MDL-Soil-6

Quant Time: Dec 31 03:06:12 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	244898	20.00	ng/ul	0.00
18) Naphthalene-d8	10.64	136	1066920	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.48	164	750198	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.23	188	1497290	20.00	ng/ul	0.00
75) Chrysene-d12	21.41	240	1341123	20.00	ng/ul	0.00
83) Perylene-d12	23.71	264	1067761	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.33	96	23828	5.64	ng/uL	0.00
5) Phenol-d5	7.00	99	700149	33.00	ng/ul	-0.01
7) Bis-(2-Chloroethyl)ether-d	7.18	67	447377	34.49	ng/ul	0.00
9) 2-Chlorophenol-d4	7.37	132	506550	33.53	ng/ul	0.00
13) 4-Methylphenol-d8	8.54	113	554866	33.11	ng/ul	0.00
19) Nitrobenzene-d5	9.00	128	262334	35.56	ng/ul	0.00
22) 2-Nitrophenol-d4	9.72	143	286105	38.04	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.25	165	542539	32.48	ng/ul	0.00
29) 4-Chloroaniline-d4	10.77	131	757530	40.14	ng/ul	0.00
43) Dimethylphthalate-d6	13.89	166	1914699	34.60	ng/ul	0.00
46) Acenaphthylene-d8	14.17	160	2266736	34.20	ng/ul	0.00
51) 4-Nitrophenol-d4	14.67	143	269351	30.14	ng/ul	0.00
57) Fluorene-d10	15.47	176	1585484	33.37	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.58	200	158633	21.36	ng/ul	0.00
70) Anthracene-d10	17.32	188	2390420	34.53	ng/ul	0.00
76) Pyrene-d10	19.61	212	2447169	39.56	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.56	264	1743044	36.17	ng/ul	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.36	88	14495	2.48	ng/uL	97
4) Benzaldehyde	6.98	77	42617	3.22	ng/ul	99
6) Phenol	7.03	94	55819	2.53	ng/ul	97
8) Bis(2-Chloroethyl)ether	7.27	93	48377	2.87	ng/ul	97
10) 2-Chlorophenol	7.41	128	40387	2.55	ng/ul	95
11) 2-Methylphenol	8.28	108	40202	2.36	ng/ul	98
12) 2,2'-oxybis(1-Chloropropan	8.38	45	74229	2.73	ng/ul	97
14) Acetophenone	8.66	105	70754	2.47	ng/ul	98
15) N-Nitroso-di-n-propylamine	8.65	70	38022	2.54	ng/ul	99
16) 4-Methylphenol	8.61	108	47682	2.59	ng/ul	100
17) Hexachloroethane	8.93	117	18195	2.52	ng/ul	90
20) Nitrobenzene	9.04	77	62312	2.83	ng/ul	96
21) Isophorone	9.57	82	105281	2.48	ng/ul	99
23) 2-Nitrophenol	9.75	139	24121	2.90	ng/ul	97
24) 2,4-Dimethylphenol	9.81	107	57847	2.56	ng/ul	98
25) Bis(2-Chloroethoxy)methane	10.05	93	61301	2.60	ng/ul	99
27) 2,4-Dichlorophenol	10.28	162	43297	2.61	ng/ul#	80
28) Naphthalene	10.69	128	144961	2.66	ng/ul	99
30) 4-Chloroaniline	10.79	127	52270	2.68	ng/ul	94
31) Hexachlorobutadiene	10.97	225	33559	2.85	ng/ul#	88
32) Caprolactam	11.58	113	12566	2.27	ng/ul	86
33) 4-Chloro-3-methylphenol	11.91	107	50304	2.47	ng/ul	97
34) 2-Methylnaphthalene	12.30	142	104526	2.59	ng/ul	97

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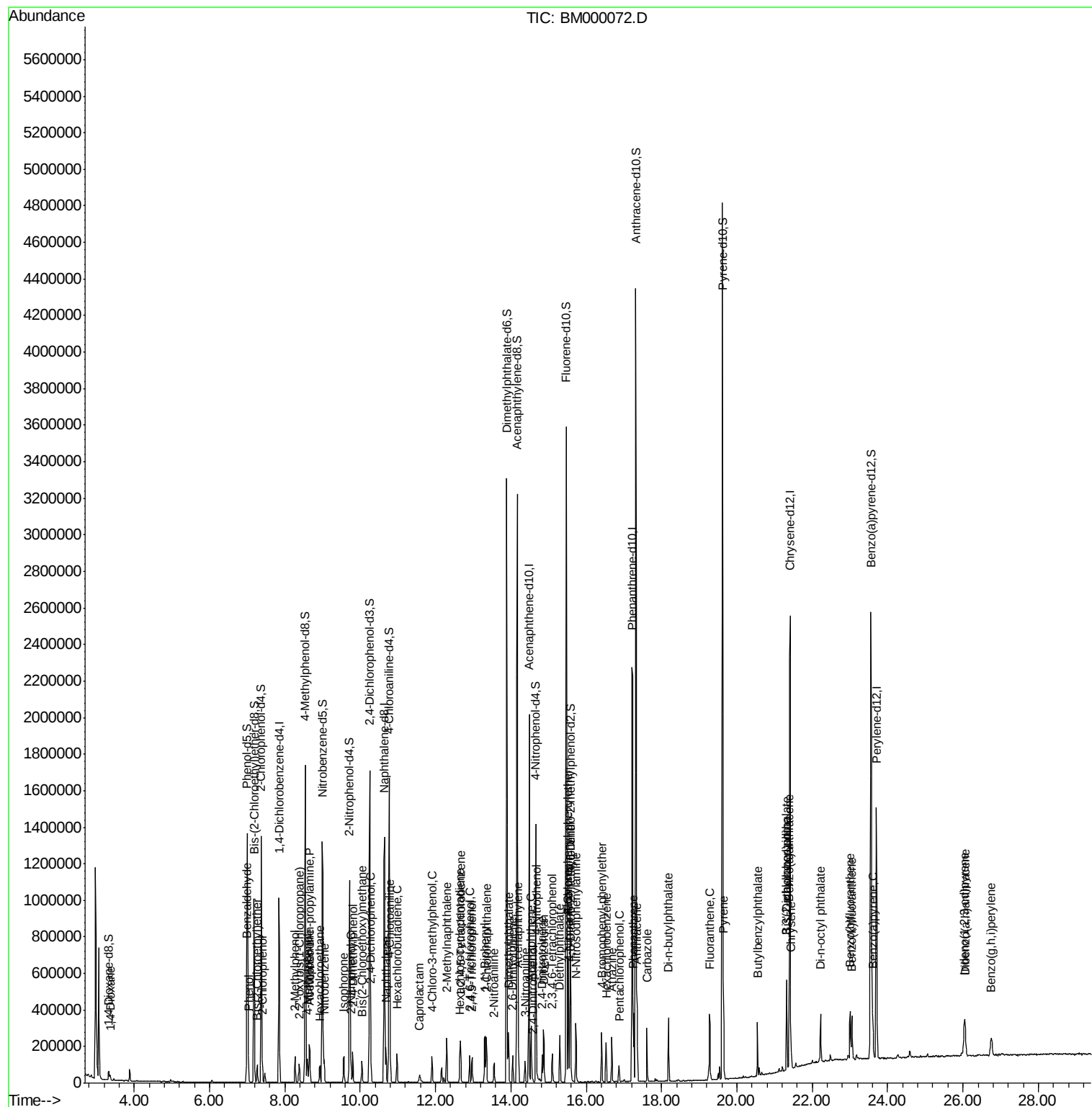
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	12.67	216	55133	2.65	ng/ul	97
37) Hexachlorocyclopentadiene	12.64	237	29529	2.15	ng/ul#	98
38) 2,4,6-Trichlorophenol	12.91	196	32185	2.43	ng/ul	96
39) 2,4,5-Trichlorophenol	12.97	196	35223	2.44	ng/ul	94
40) 1,1'-Biphenyl	13.32	154	143235	2.65	ng/ul	96
41) 2-Chloronaphthalene	13.35	162	110444	2.67	ng/ul	96
42) 2-Nitroaniline	13.56	65	29648	2.21	ng/ul	91
44) Dimethylphthalate	13.93	163	149540	2.71	ng/ul#	96
45) 2,6-Dinitrotoluene	14.05	165	22351	2.27	ng/ul#	75
47) Acenaphthylene	14.20	152	179182	2.56	ng/ul	97
48) 3-Nitroaniline	14.38	138	23976	2.38	ng/ul	87
49) Acenaphthene	14.54	153	116042	2.60	ng/ul	98
50) 2,4-Dinitrophenol	14.57	184	4128	0.82	ng/ul	95
52) 4-Nitrophenol	14.68	109	28110	2.36	ng/ul	91
53) Dibenzofuran	14.87	168	169495	2.63	ng/ul	94
54) 2,4-Dinitrotoluene	14.84	165	33738	2.29	ng/ul	89
55) 2,3,4,6-Tetrachlorophenol	15.10	232	27734	2.23	ng/ul	96
56) Diethylphthalate	15.29	149	148129	2.56	ng/ul	96
58) Fluorene	15.52	166	141577	2.64	ng/ul	98
59) 4-Chlorophenyl-phenylether	15.52	204	69515	2.63	ng/ul	97
60) 4-Nitroaniline	15.53	138	25623	2.25	ng/ul	95
63) 4,6-Dinitro-2-methylphenol	15.59	198	13815	1.82	ng/ul#	54
64) N-Nitrosodiphenylamine	15.73	169	116799	2.69	ng/ul	97
65) 4-Bromophenyl-phenylether	16.41	248	42142	2.76	ng/ul	92
66) Hexachlorobenzene	16.53	284	48306	2.75	ng/ul#	91
67) Atrazine	16.68	200	41267	2.41	ng/ul	96
68) Pentachlorophenol	16.87	266	18289	1.71	ng/ul	95
69) Phenanthrene	17.26	178	224428	2.77	ng/ul	100
71) Anthracene	17.35	178	218821	2.63	ng/ul	99
72) Carbazole	17.61	167	188943	2.52	ng/ul	96
73) Di-n-butylphthalate	18.19	149	227986	2.55	ng/ul	98
74) Fluoranthene	19.27	202	240187	2.58	ng/ul#	94
77) Pyrene	19.64	202	255859	3.17	ng/ul#	96
78) Butylbenzylphthalate	20.54	149	79500	2.42	ng/ul	90
79) 3,3'-Dichlorobenzidine	21.32	252	56592	2.31	ng/ul	96
80) Benzo(a)anthracene	21.39	228	216406	2.80	ng/ul	98
81) Bis(2-ethylhexyl)phthalate	21.32	149	110590	2.31	ng/ul#	97
82) Chrysene	21.44	228	192550	2.70	ng/ul	99
84) Di-n-octyl phthalate	22.22	149	167026	2.27	ng/ul	100
85) Benzo(b)fluoranthene	23.01	252	184945	2.71	ng/ul	100
86) Benzo(k)fluoranthene	23.05	252	156591	2.69	ng/ul	98
88) Benzo(a)pyrene	23.60	252	157786	2.64	ng/ul	98
89) Indeno(1,2,3-cd)pyrene	26.04	276	165758	2.65	ng/ul	99
90) Dibenzo(a,h)anthracene	26.05	278	140219	2.67	ng/ul	97
91) Benzo(g,h,i)perylene	26.75	276	135156	2.63	ng/ul	97

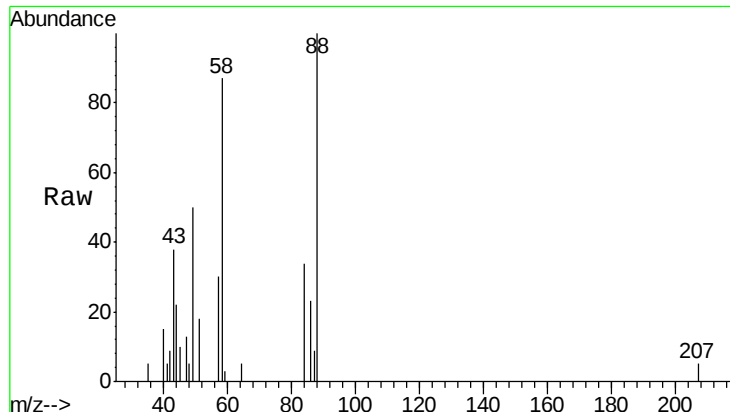
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#2

1,4-Dioxane

Concen: 2.48 ng/uL

RT: 3.36 min Scan# 59

Delta R.T. -0.00 min

Lab File: BM000072.D

Acq: 29 Dec 2014 23:17

Instrument :

BNA_M

ClientSampleId :

MDL-Soil-6

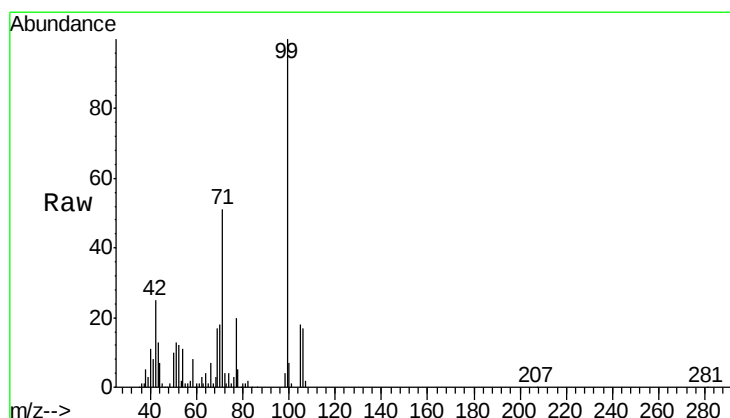
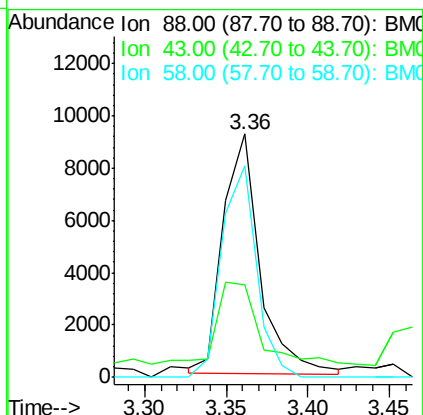
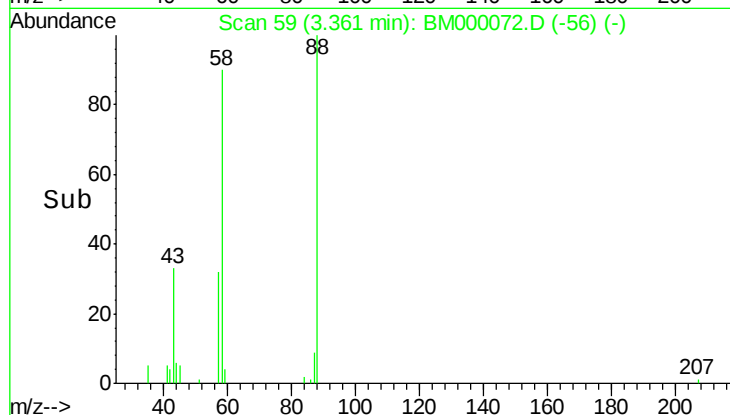
Tgt Ion: 88 Resp: 14495

Ion Ratio Lower Upper

88 100

43 39.7 34.9 52.3

58 82.5 67.3 100.9



#4

Benzaldehyde

Concen: 3.22 ng/uL

RT: 6.98 min Scan# 376

Delta R.T. -0.00 min

Lab File: BM000072.D

Acq: 29 Dec 2014 23:17

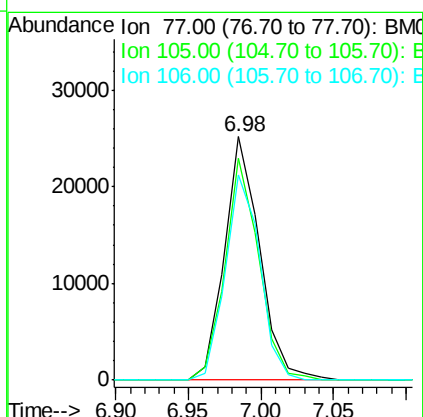
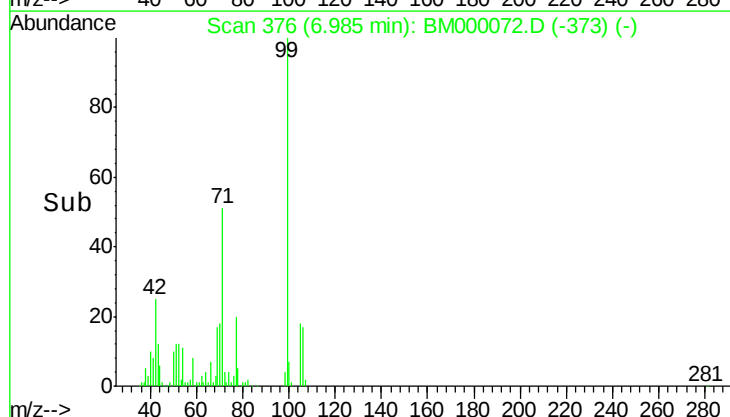
Tgt Ion: 77 Resp: 42617

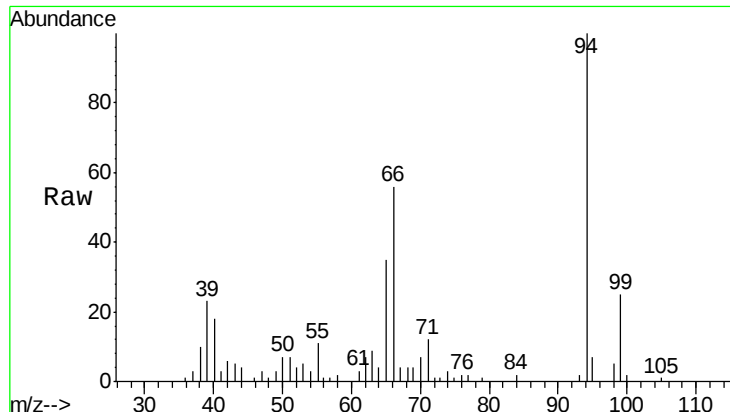
Ion Ratio Lower Upper

77 100

105 91.1 73.5 110.3

106 84.3 67.9 101.9





#6

Phenol

Concen: 2.53 ng/ul

RT: 7.03 min Scan# 380

Delta R.T. -0.00 min

Lab File: BM000072.D

Acq: 29 Dec 2014 23:17

Instrument :

BNA_M

ClientSampleId :

MDL-Soil-6

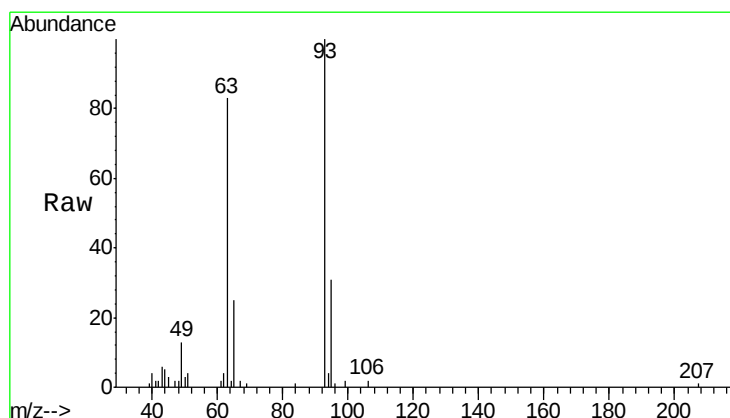
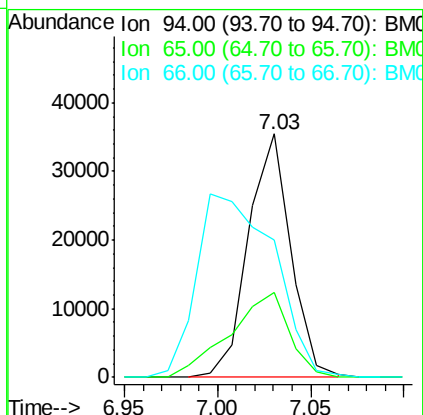
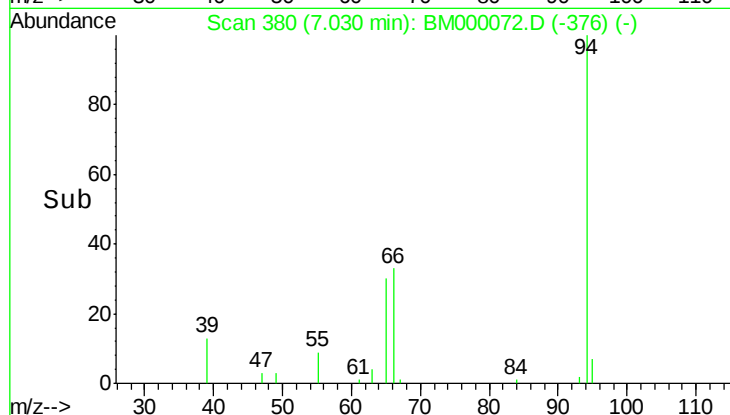
Tgt Ion: 94 Resp: 55819

Ion Ratio Lower Upper

94 100

65 34.8 27.4 41.0

66 56.4 42.5 63.7



#8

Bis(2-Chloroethyl)ether

Concen: 2.87 ng/ul

RT: 7.27 min Scan# 401

Delta R.T. -0.00 min

Lab File: BM000072.D

Acq: 29 Dec 2014 23:17

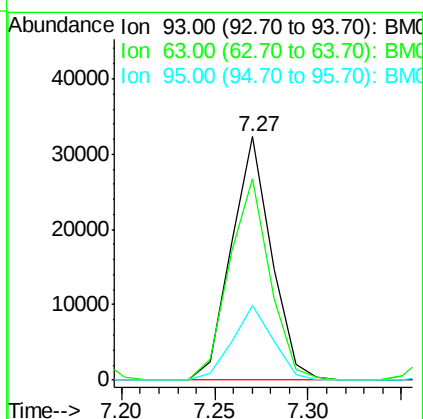
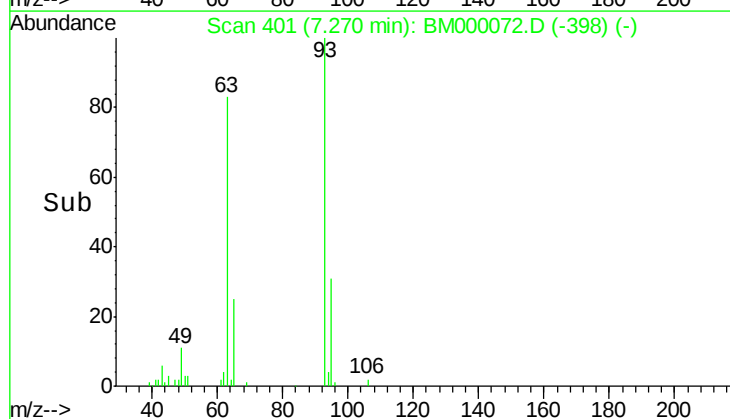
Tgt Ion: 93 Resp: 48377

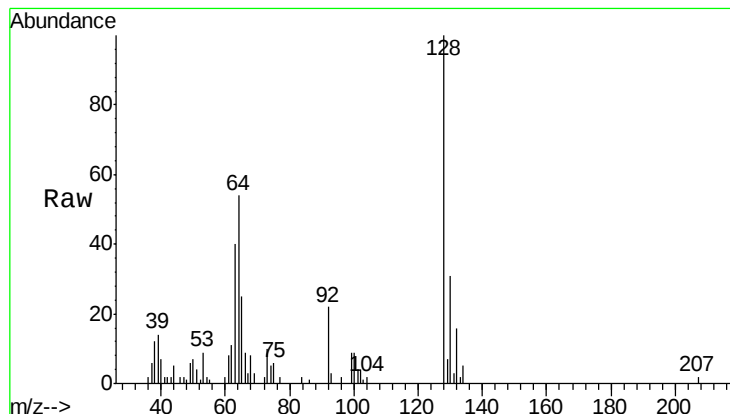
Ion Ratio Lower Upper

93 100

63 82.9 68.9 103.3

95 30.9 24.6 37.0

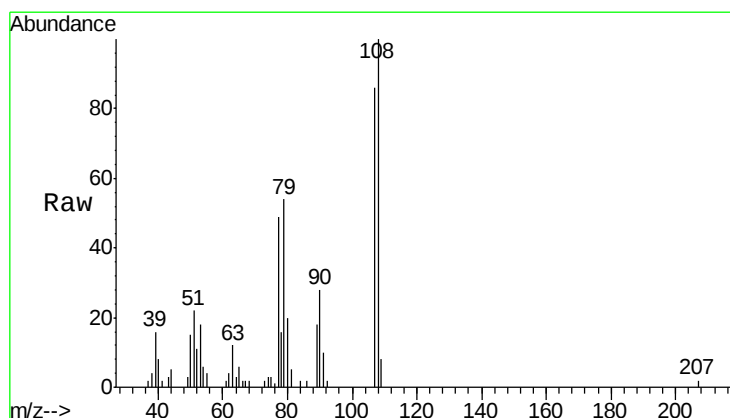
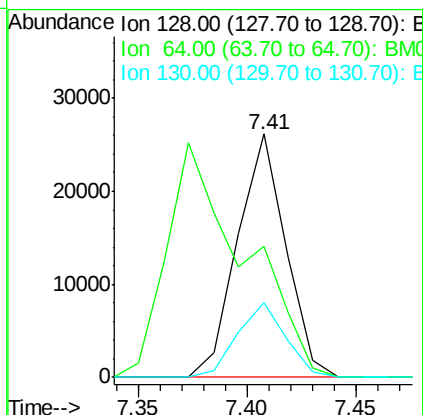
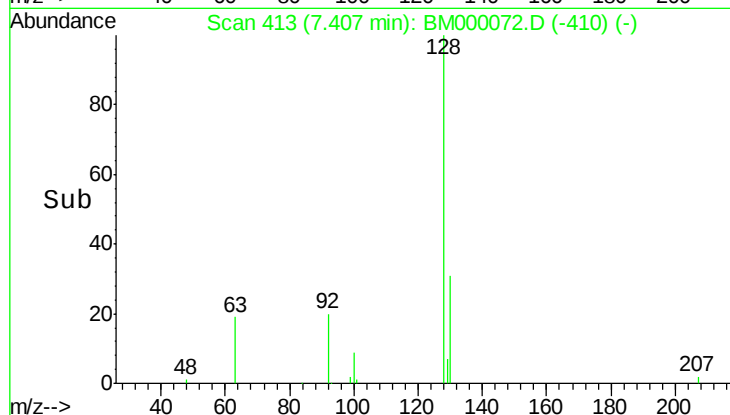




#10
2-Chlorophenol
Concen: 2.55 ng/ul
RT: 7.41 min Scan# 413
Delta R.T. -0.00 min
Lab File: BM000072.D
Acq: 29 Dec 2014 23:17

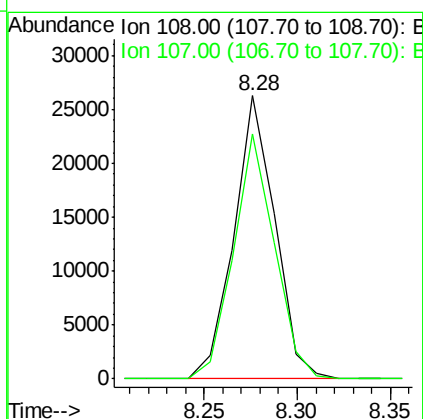
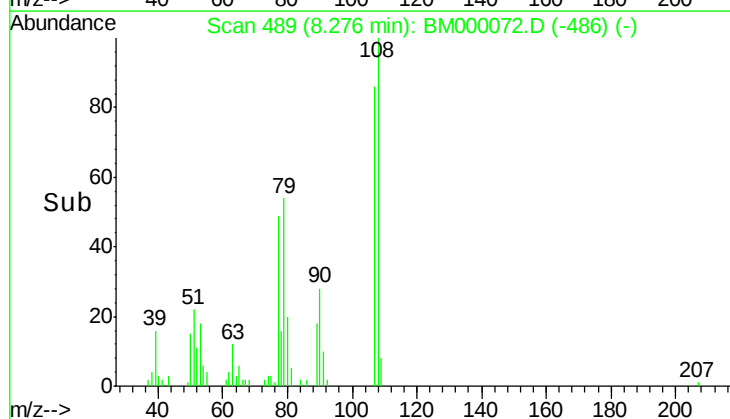
Instrument :
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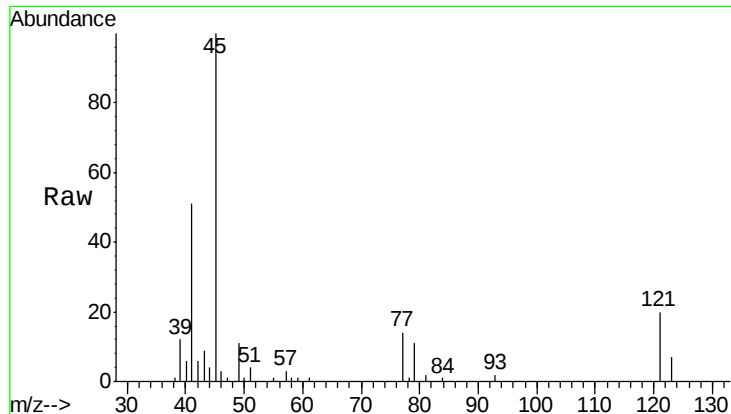
Tgt Ion:128 Resp: 40387
Ion Ratio Lower Upper
128 100
64 53.7 47.2 70.8
130 30.5 25.2 37.8



#11
2-Methylphenol
Concen: 2.36 ng/ul
RT: 8.28 min Scan# 489
Delta R.T. -0.00 min
Lab File: BM000072.D
Acq: 29 Dec 2014 23:17

Tgt Ion:108 Resp: 40202
Ion Ratio Lower Upper
108 100
107 86.4 70.7 106.1

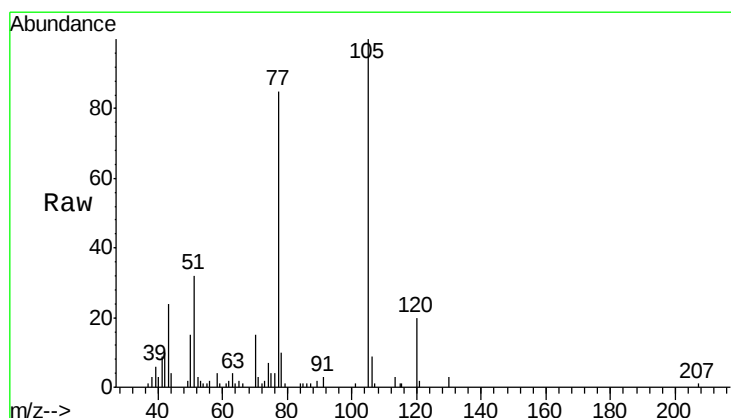
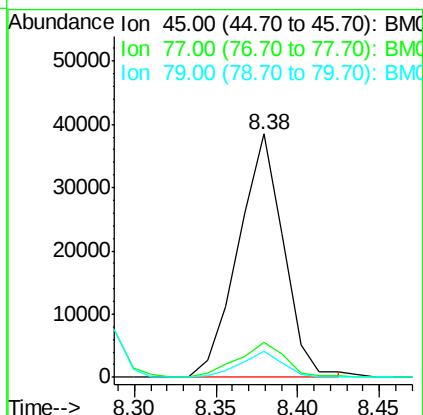
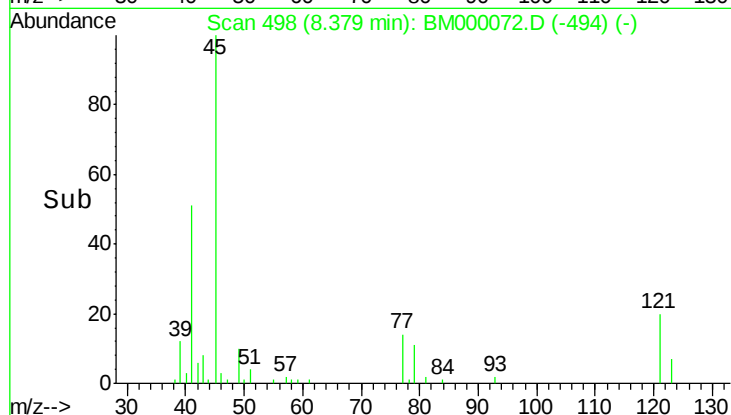




#12
2,2'-oxybis(1-Chloropropane)
Concen: 2.73 ng/ul
RT: 8.38 min Scan# 498
Delta R.T. -0.00 min
Lab File: BM000072.D
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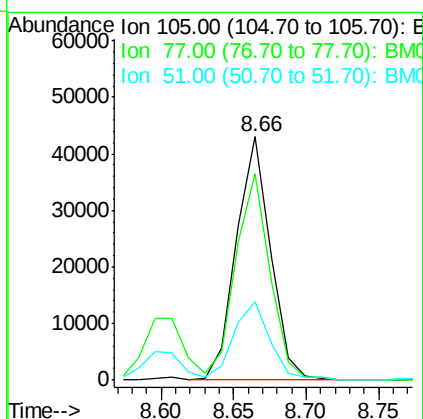
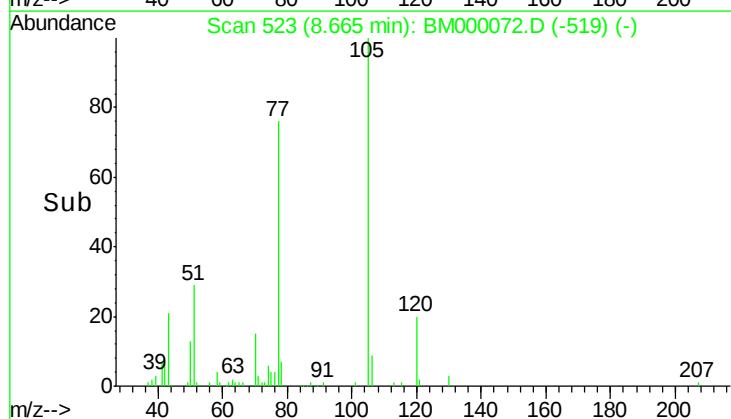
Instrument :
BNA_M
ClientSampleId :
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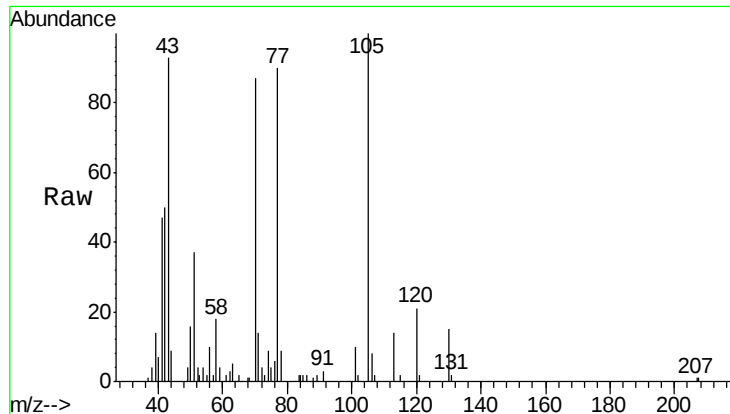
Tgt Ion:	45	Resp:	74229
Ion	Ratio	Lower	Upper
45	100		
77	14.5	9.9	14.9
79	10.9	8.3	12.5



#14
Acetophenone
Concen: 2.47 ng/ul
RT: 8.66 min Scan# 523
Delta R.T. -0.00 min
Lab File: BM000072.D
Acq: 29 Dec 2014 23:17

Tgt Ion:	105	Resp:	70754
Ion	Ratio	Lower	Upper
105	100		
77	85.0	66.3	99.5
51	32.2	26.5	39.7

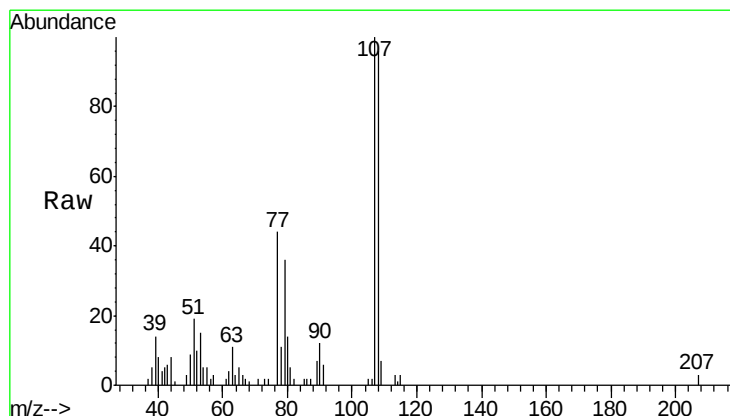
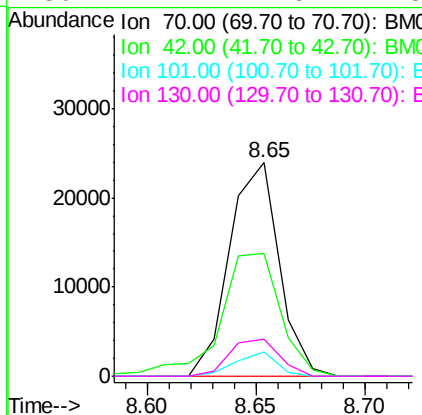
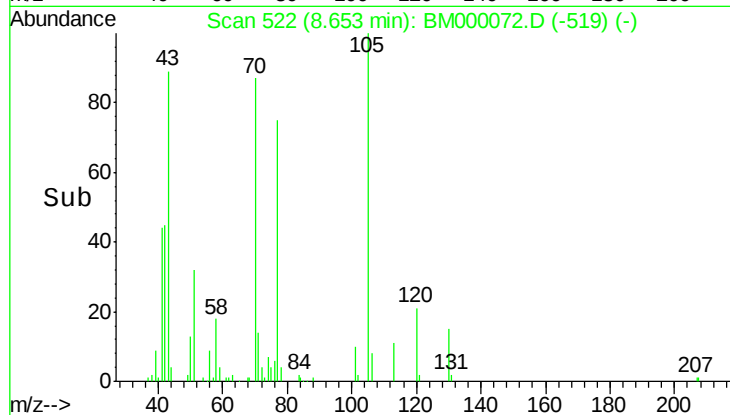




#15
N-Nitroso-di-n-propylamine
Concen: 2.54 ng/ul
RT: 8.65 min Scan# 522
Delta R.T. -0.00 min
Lab File: BM000072.D
Acq: 29 Dec 2014 23:17

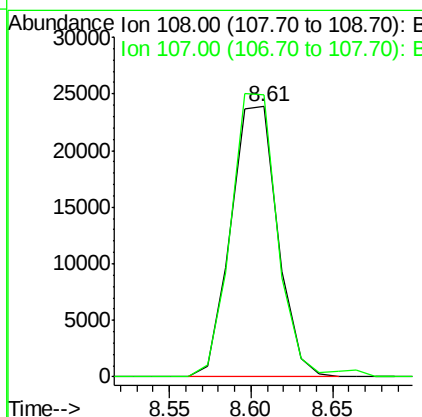
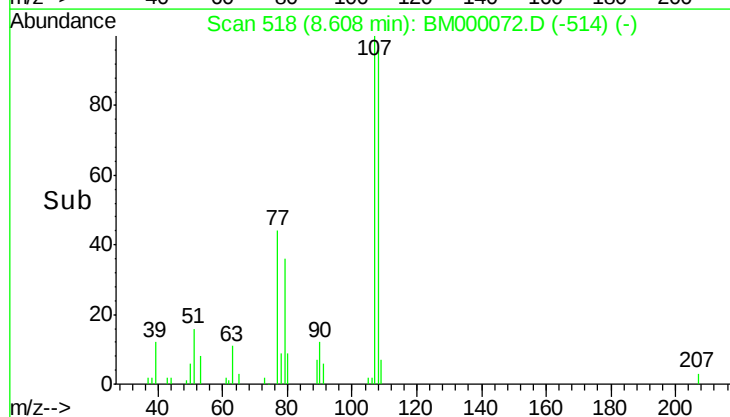
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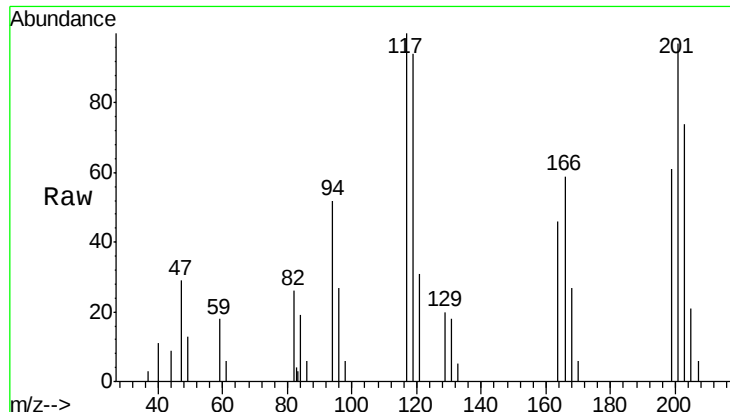
Tgt Ion:	70	Resp:	38022
Ion	Ratio	Lower	Upper
70	100		
42	57.5	46.4	69.6
101	11.2	7.8	11.8
130	17.4	14.6	21.8



#16
4-Methylphenol
Concen: 2.59 ng/ul
RT: 8.61 min Scan# 518
Delta R.T. -0.00 min
Lab File: BM000072.D
Acq: 29 Dec 2014 23:17

Tgt Ion:	108	Resp:	47682
Ion	Ratio	Lower	Upper
108	100		
107	104.5	84.0	126.0

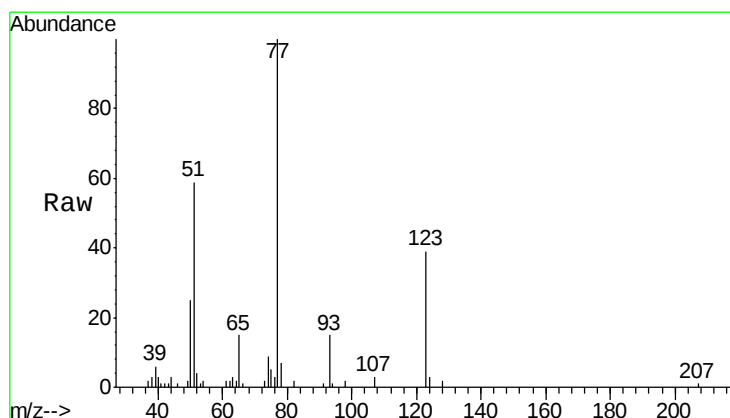
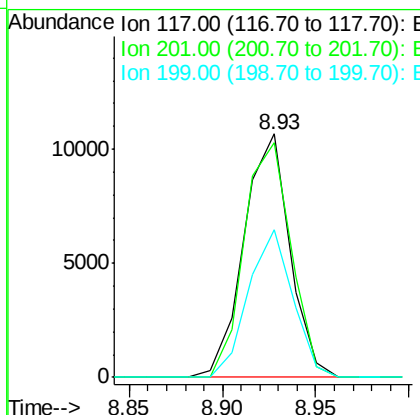
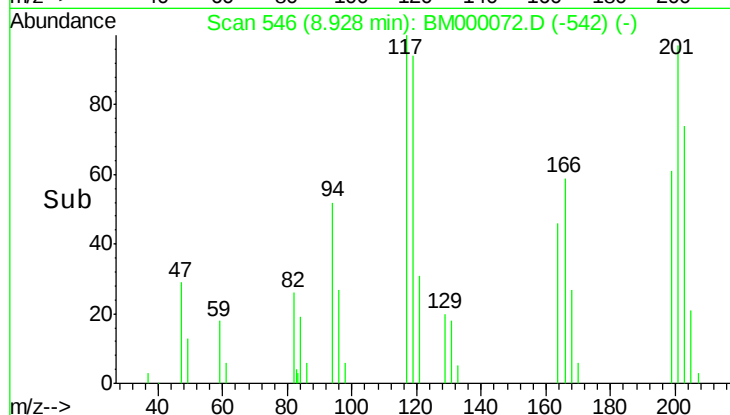




#17
Hexachloroethane
Concen: 2.52 ng/ul
RT: 8.93 min Scan# 546
Delta R.T. -0.00 min
Lab File: BM000072.D
Acq: 29 Dec 2014 23:17

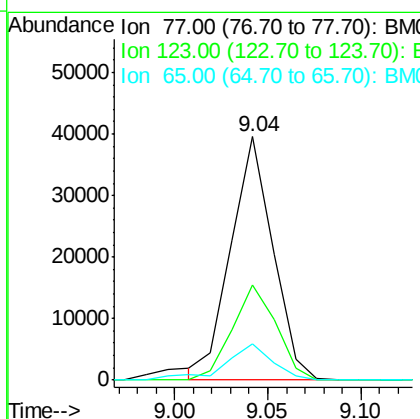
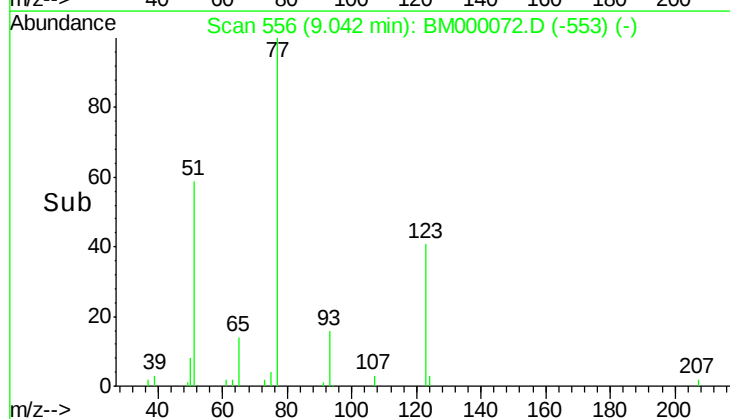
Instrument :
BNA_M
ClientSampleId :
MDL-Soil-6

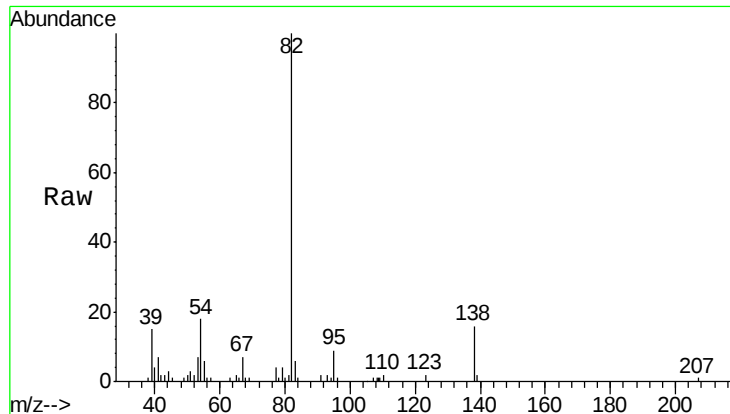
Tgt Ion:	117	Resp:	18195
Ion	Ratio	Lower	Upper
117	100		
201	96.6	85.2	127.8
199	60.7	55.1	82.7



#20
Nitrobenzene
Concen: 2.83 ng/ul
RT: 9.04 min Scan# 556
Delta R.T. -0.00 min
Lab File: BM000072.D
Acq: 29 Dec 2014 23:17

Tgt Ion:	77	Resp:	62312
Ion	Ratio	Lower	Upper
77	100		
123	39.3	29.2	43.8
65	15.1	12.4	18.6

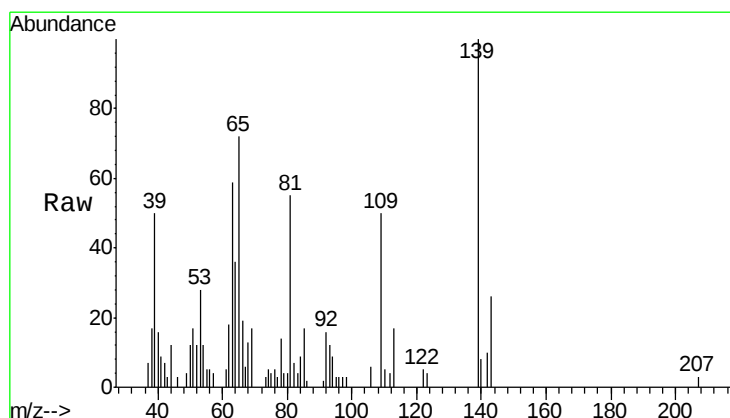
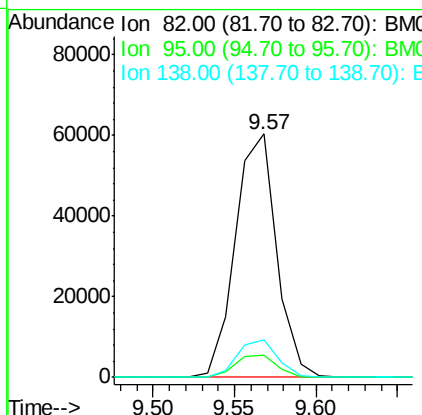
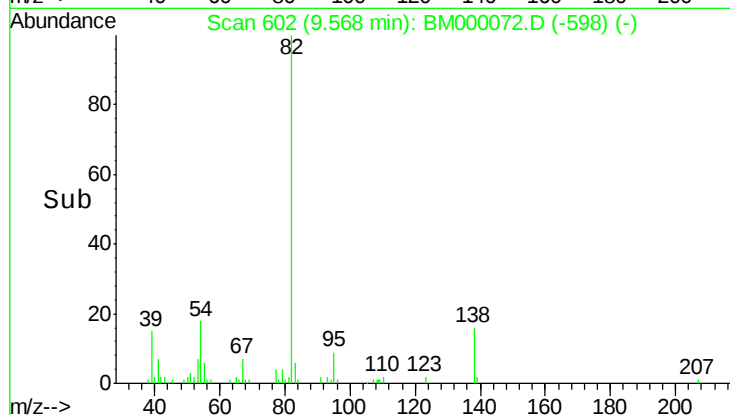




#21
Isophorone
Concen: 2.48 ng/ul
RT: 9.57 min Scan# 602
Delta R.T. -0.00 min
Lab File: BM000072.D
Acq: 29 Dec 2014 23:17

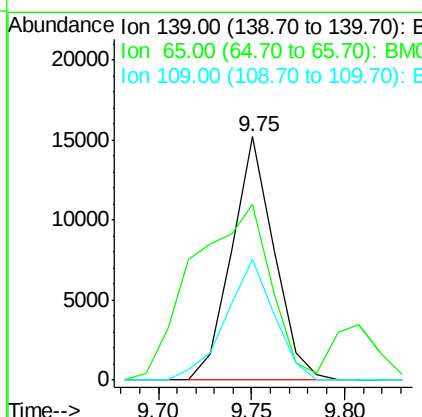
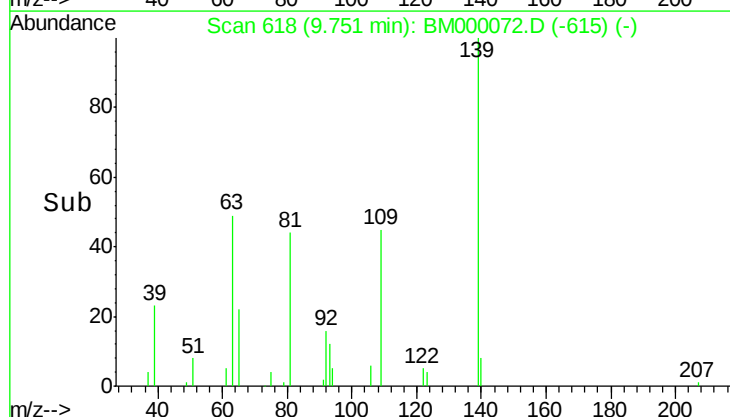
Instrument :
BNA_M
ClientSampleId :
MDL-Soil-6

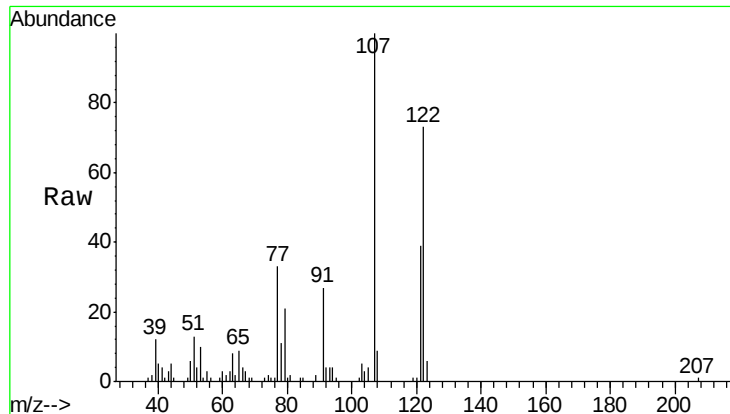
Tgt Ion: 82 Resp: 105281
Ion Ratio Lower Upper
82 100
95 9.2 6.9 10.3
138 15.7 12.1 18.1



#23
2-Nitrophenol
Concen: 2.90 ng/ul
RT: 9.75 min Scan# 618
Delta R.T. -0.00 min
Lab File: BM000072.D
Acq: 29 Dec 2014 23:17

Tgt Ion: 139 Resp: 24121
Ion Ratio Lower Upper
139 100
65 72.1 56.3 84.5
109 49.8 37.1 55.7

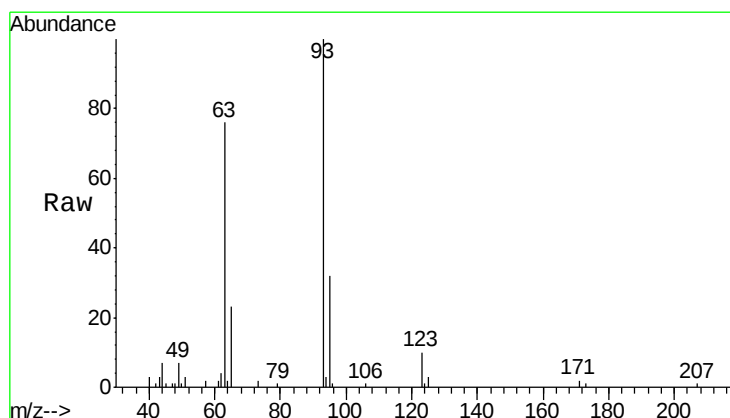
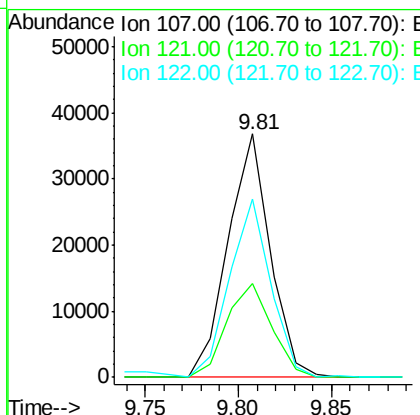
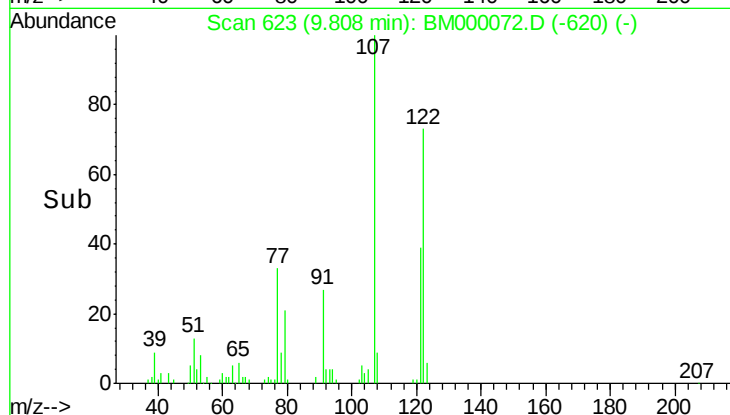




#24
 2,4-Dimethylphenol
 Concen: 2.56 ng/ul
 RT: 9.81 min Scan# 623
 Delta R.T. -0.00 min
 Lab File: BM000072.D
 Acq: 29 Dec 2014 23:17

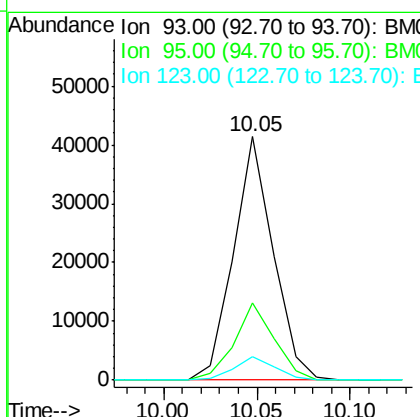
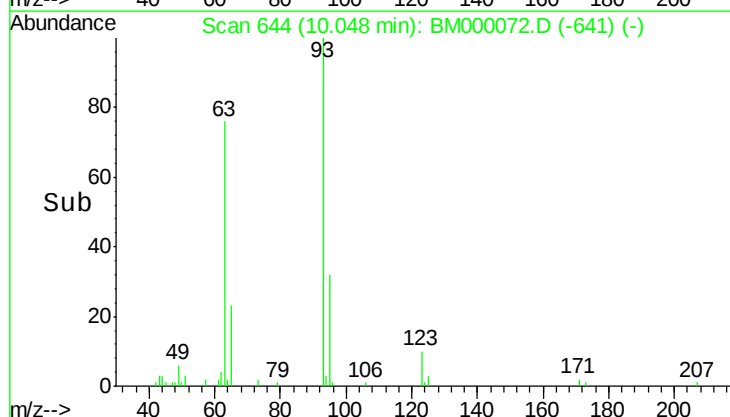
Instrument :
 BNA_M
 ClientSampleId :
 MDL-Soil-6

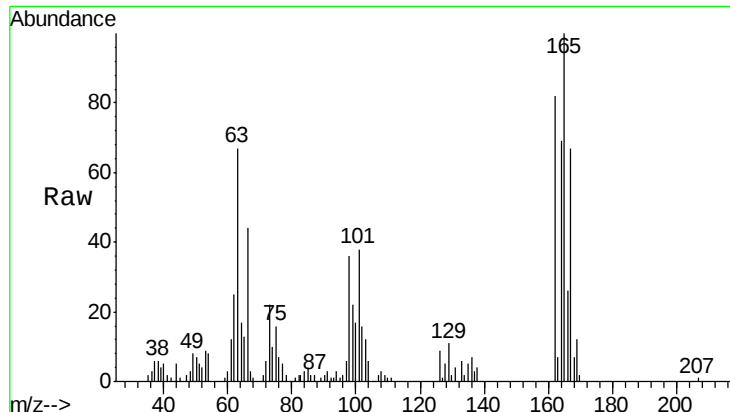
Tgt Ion: 107 Resp: 57847
 Ion Ratio Lower Upper
 107 100
 121 38.8 33.0 49.6
 122 73.2 59.3 88.9



#25
 Bis(2-Chloroethoxy)methane
 Concen: 2.60 ng/ul
 RT: 10.05 min Scan# 644
 Delta R.T. -0.00 min
 Lab File: BM000072.D
 Acq: 29 Dec 2014 23:17

Tgt Ion: 93 Resp: 61301
 Ion Ratio Lower Upper
 93 100
 95 31.8 26.1 39.1
 123 9.6 7.4 11.2

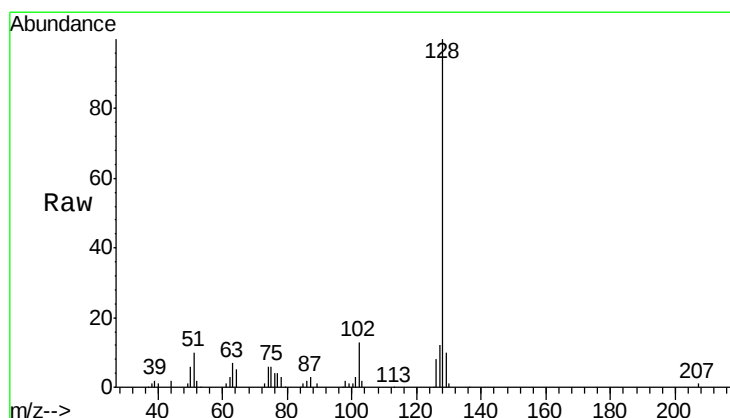
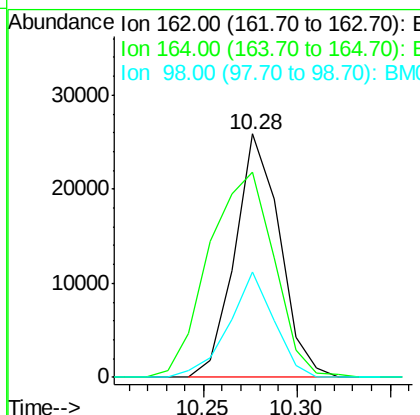
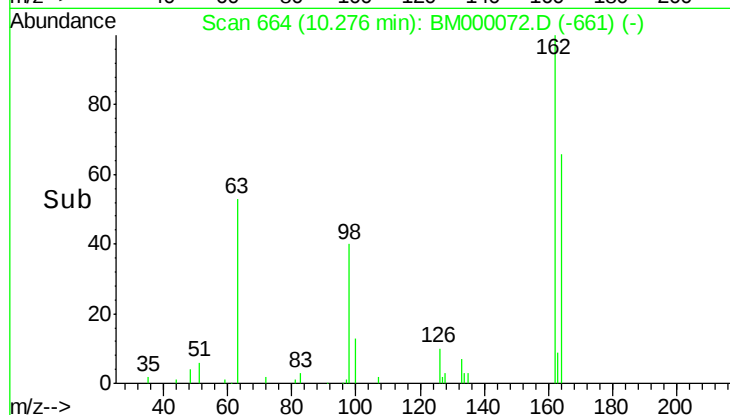




#27
2,4-Dichlorophenol
Concen: 2.61 ng/ul
RT: 10.28 min Scan# 664
Delta R.T. -0.00 min
Lab File: BM000072.D
Acq: 29 Dec 2014 23:17

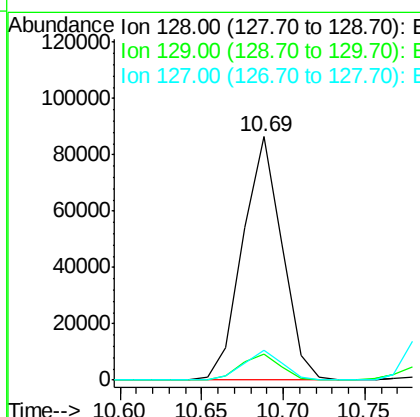
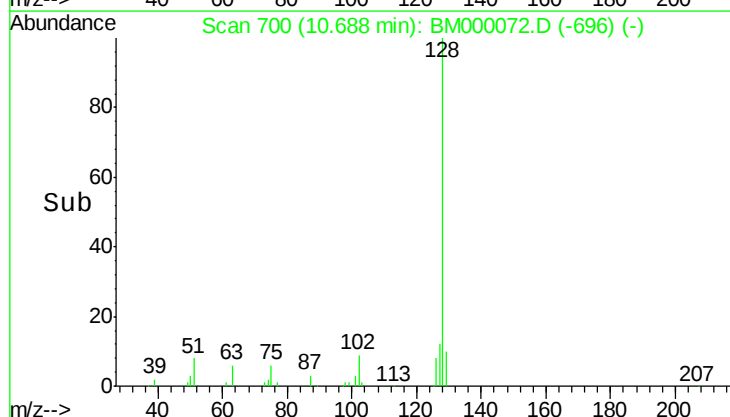
Instrument :
BNA_M
ClientSampleId :
MDL-Soil-6

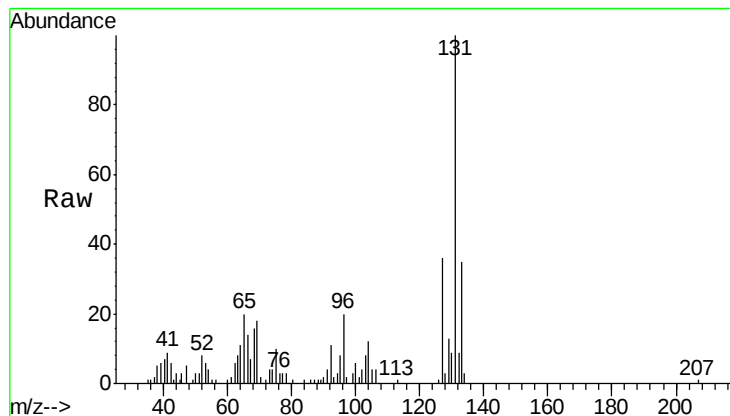
Tgt Ion:162 Resp: 43297
Ion Ratio Lower Upper
162 100
164 84.2 50.2 75.4#
98 43.4 31.4 47.2



#28
Naphthalene
Concen: 2.66 ng/ul
RT: 10.69 min Scan# 700
Delta R.T. -0.00 min
Lab File: BM000072.D
Acq: 29 Dec 2014 23:17

Tgt Ion:128 Resp: 144961
Ion Ratio Lower Upper
128 100
129 10.5 8.6 13.0
127 12.2 10.3 15.5





#30

4-Chloroaniline

Concen: 2.68 ng/ul

RT: 10.79 min Scan# 709

Delta R.T. -0.00 min

Lab File: BM000072.D

Acq: 29 Dec 2014 23:17

Instrument :

BNA_M

ClientSampleId :

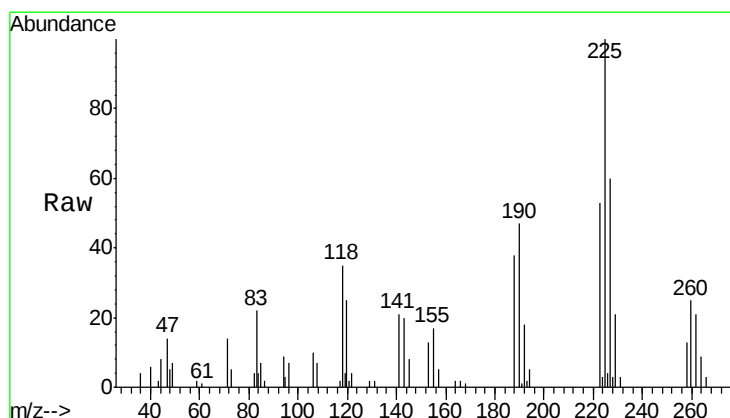
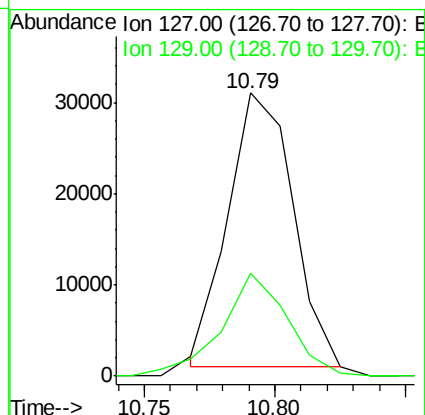
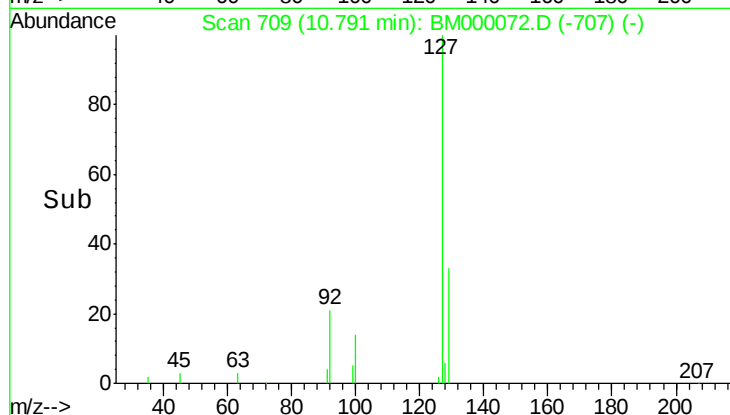
MDL-Soil-6

Tgt Ion:127 Resp: 52270

Ion Ratio Lower Upper

127 100

129 36.6 26.5 39.7



#31

Hexachlorobutadiene

Concen: 2.85 ng/ul

RT: 10.97 min Scan# 725

Delta R.T. -0.00 min

Lab File: BM000072.D

Acq: 29 Dec 2014 23:17

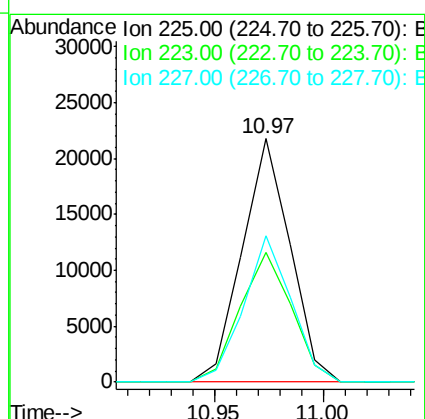
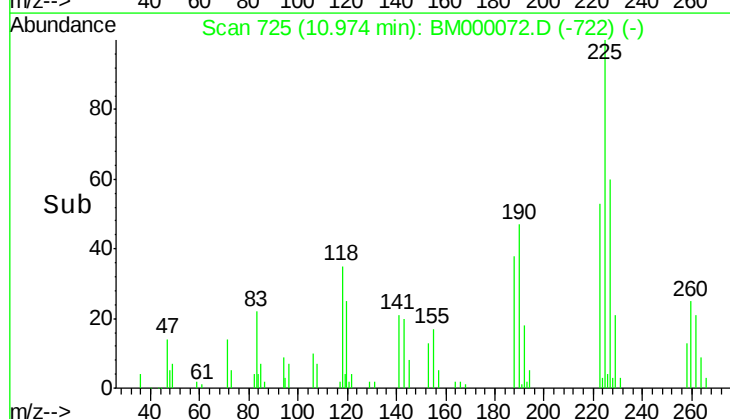
Tgt Ion:225 Resp: 33559

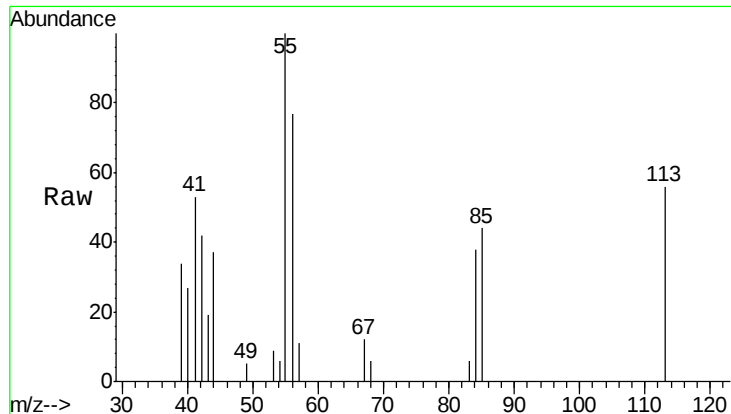
Ion Ratio Lower Upper

225 100

223 53.2 54.4 81.6#

227 60.0 51.8 77.8

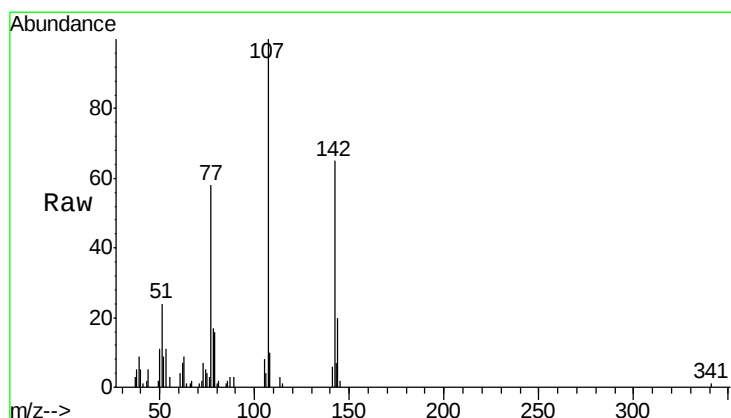
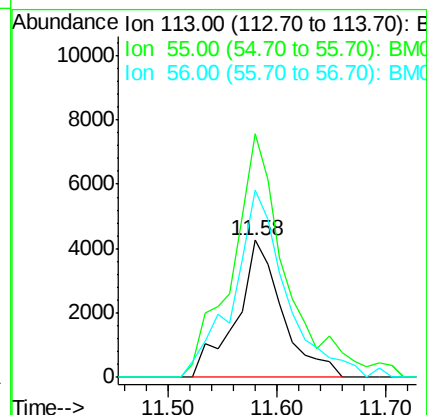
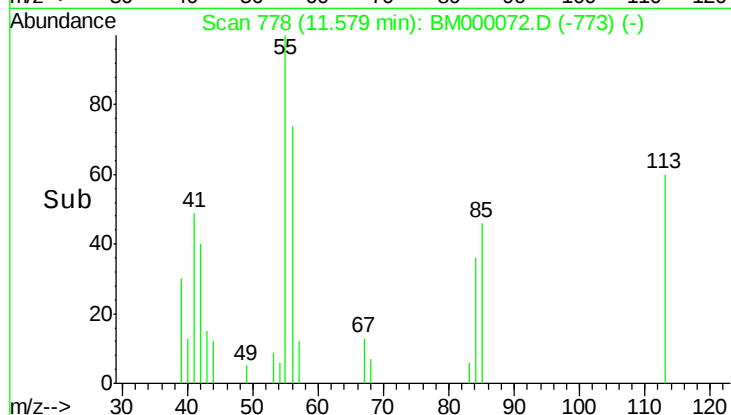




#32
 Caprolactam
 Concen: 2.27 ng/ul
 RT: 11.58 min Scan# 778
 Delta R.T. 0.03 min
 Lab File: BM000072.D
 Acq: 29 Dec 2014 23:17

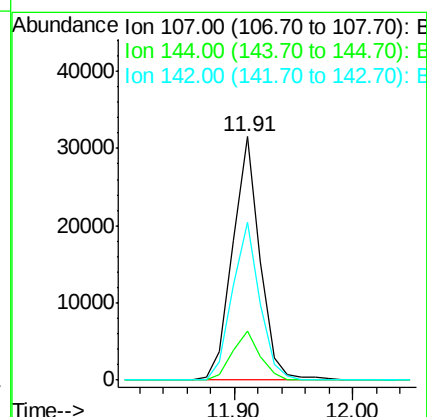
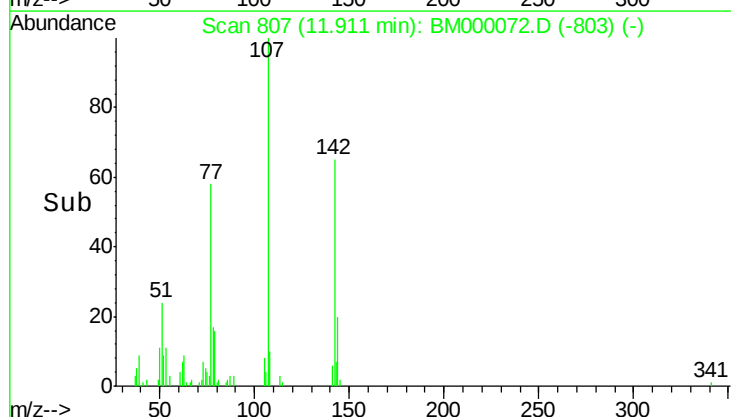
Instrument :
 BNA_M
 ClientSampleId :
 MDL-Soil-6

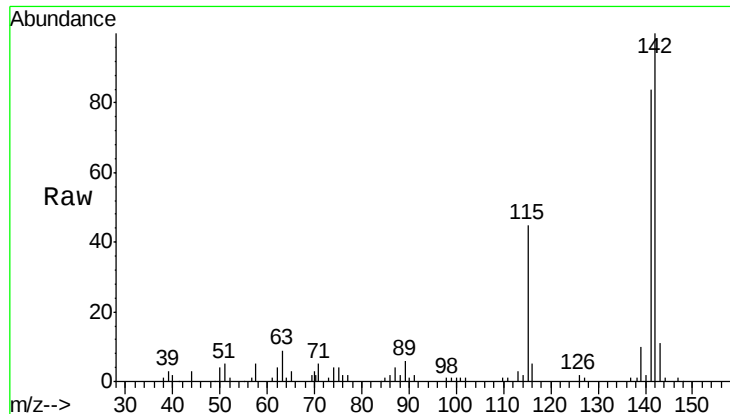
Tgt Ion:113 Resp: 12566
 Ion Ratio Lower Upper
 113 100
 55 177.4 156.6 234.8
 56 136.3 126.3 189.5



#33
 4-Chloro-3-methylphenol
 Concen: 2.47 ng/ul
 RT: 11.91 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: BM000072.D
 Acq: 29 Dec 2014 23:17

Tgt Ion:107 Resp: 50304
 Ion Ratio Lower Upper
 107 100
 144 20.2 16.6 24.8
 142 65.0 54.6 82.0

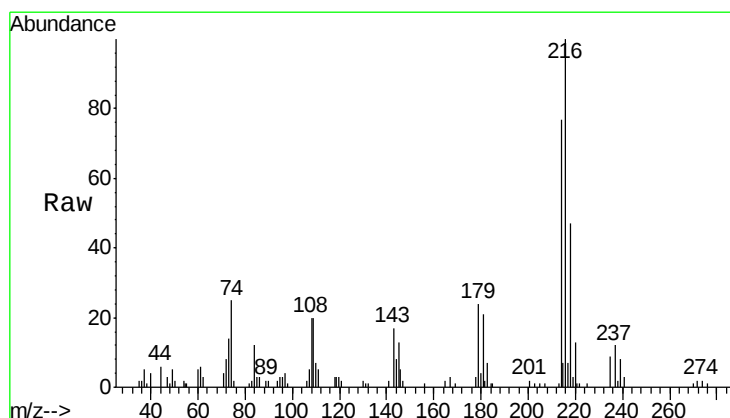
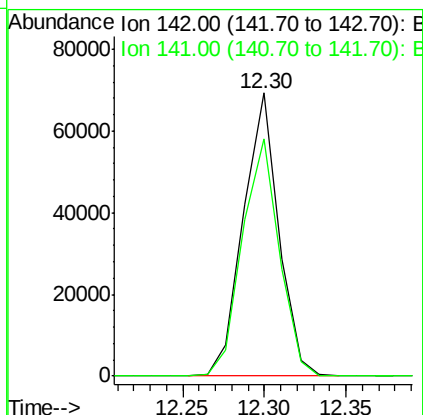
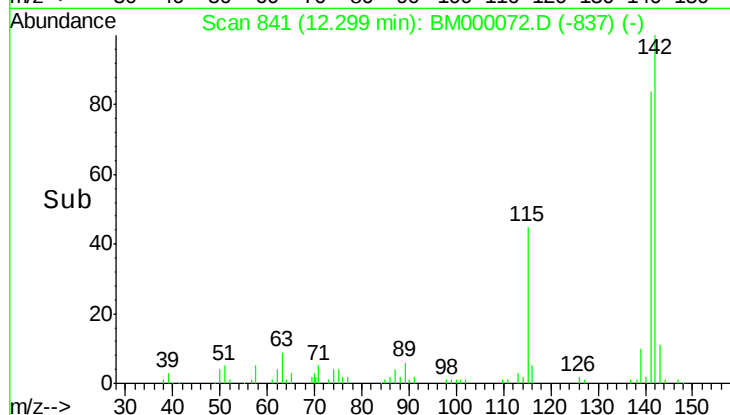




#34
 2-Methylnaphthalene
 Concen: 2.59 ng/ul
 RT: 12.30 min Scan# 841
 Delta R.T. -0.00 min
 Lab File: BM000072.D
 Acq: 29 Dec 2014 23:17

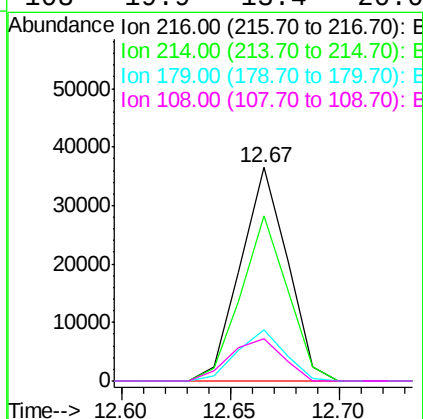
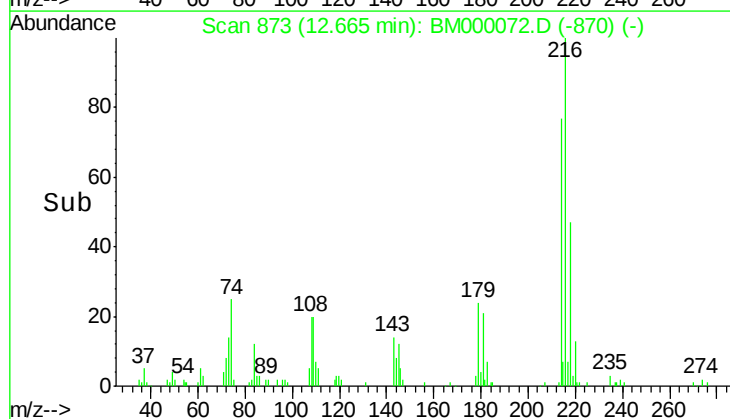
Instrument :
 BNA_M
 ClientSampleId :
 MDL-Soil-6

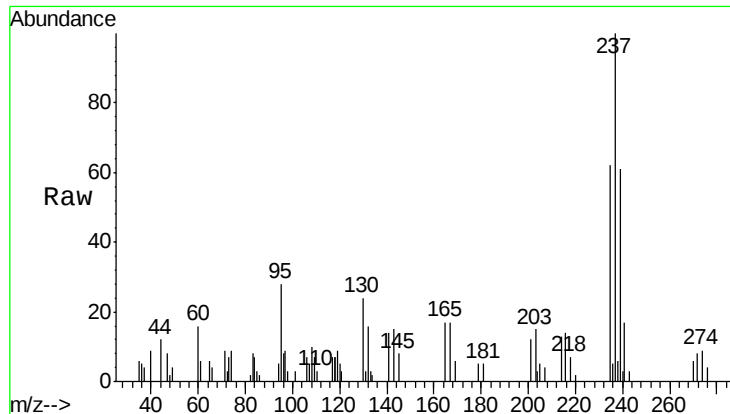
Tgt Ion:142 Resp: 104526
 Ion Ratio Lower Upper
 142 100
 141 83.8 69.3 103.9



#36
 1,2,4,5-Tetrachlorobenzene
 Concen: 2.65 ng/ul
 RT: 12.67 min Scan# 873
 Delta R.T. -0.00 min
 Lab File: BM000072.D
 Acq: 29 Dec 2014 23:17

Tgt Ion:216 Resp: 55133
 Ion Ratio Lower Upper
 216 100
 214 77.3 62.6 94.0
 179 23.8 17.4 26.2
 108 19.9 13.4 20.0

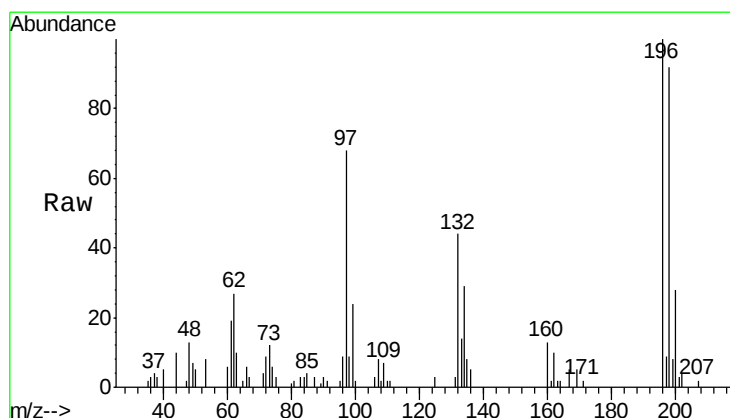
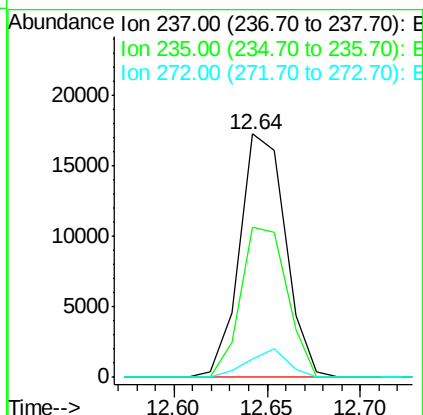
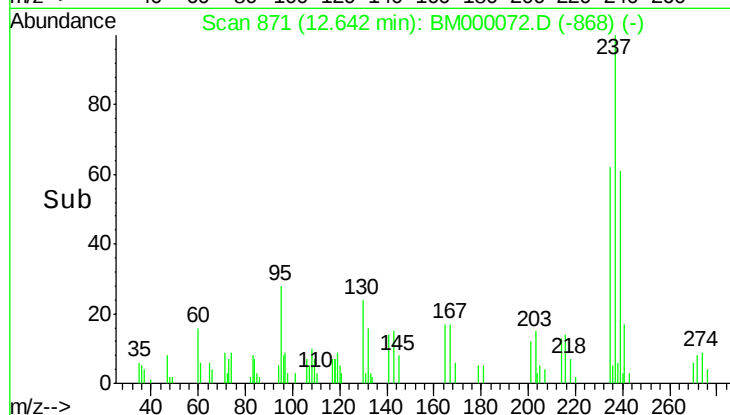




#37
Hexachlorocyclopentadiene
Concen: 2.15 ng/ul
RT: 12.64 min Scan# 871
Delta R.T. -0.01 min
Lab File: BM000072.D
Acq: 29 Dec 2014 23:17

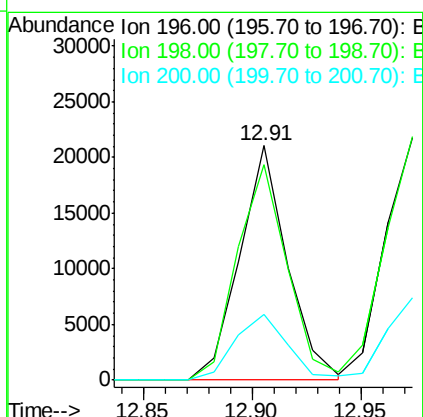
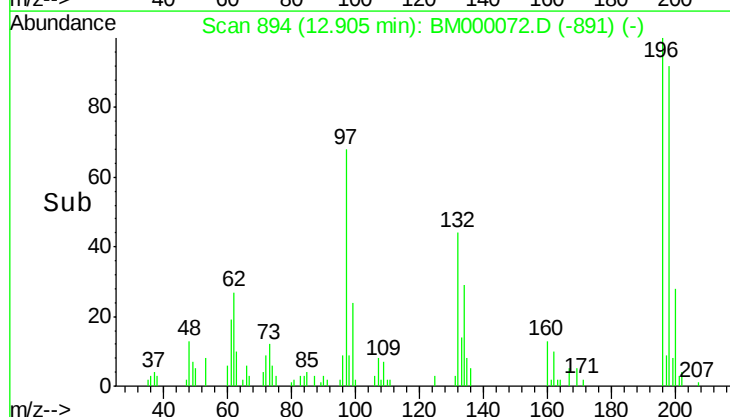
Instrument :
BNA_M
ClientSampleId :
MDL-Soil-6

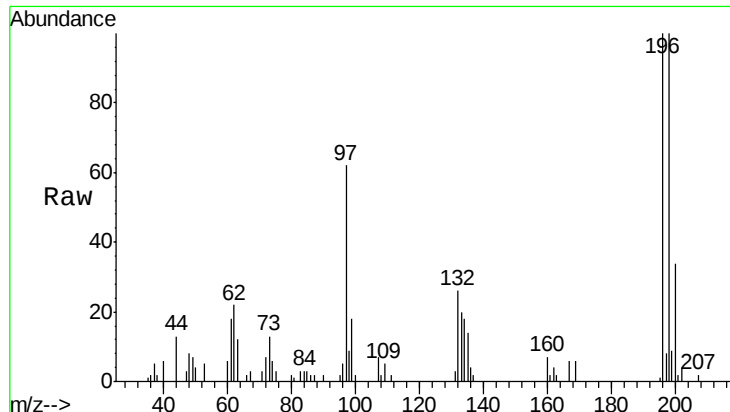
Tgt Ion:237 Resp: 29529
Ion Ratio Lower Upper
237 100
235 61.8 50.0 75.0
272 7.7 8.9 13.3#



#38
2,4,6-Trichlorophenol
Concen: 2.43 ng/ul
RT: 12.91 min Scan# 894
Delta R.T. -0.00 min
Lab File: BM000072.D
Acq: 29 Dec 2014 23:17

Tgt Ion:196 Resp: 32185
Ion Ratio Lower Upper
196 100
198 92.3 76.6 114.8
200 28.3 24.5 36.7

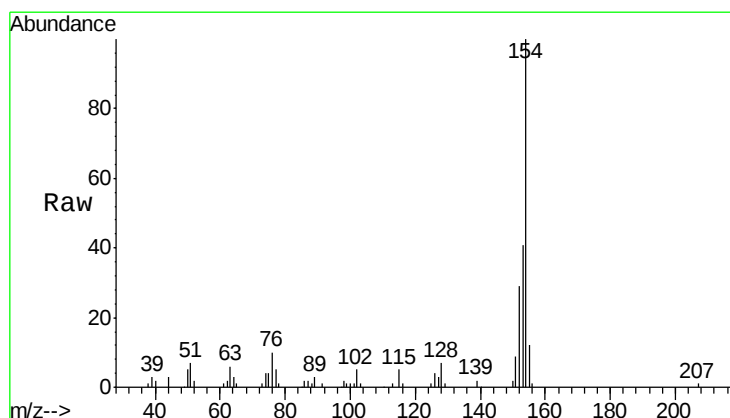
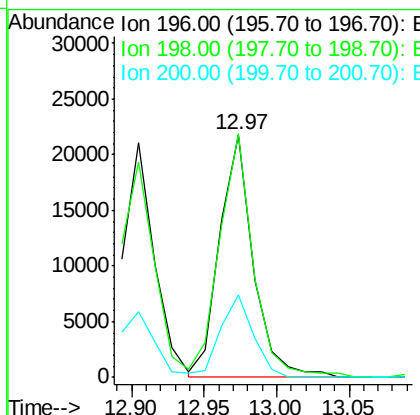
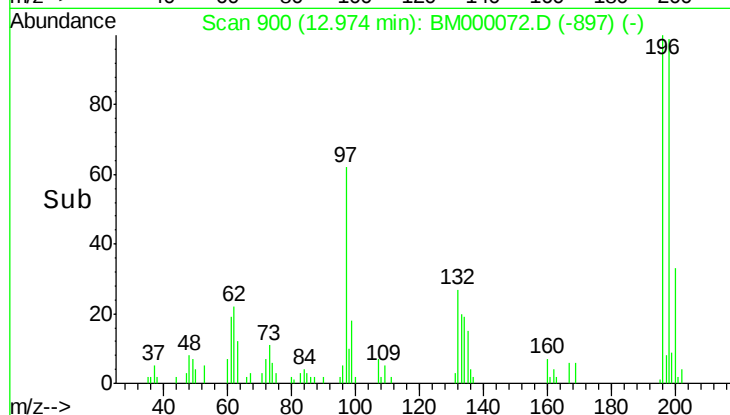




#39
 2,4,5-Trichlorophenol
 Concen: 2.44 ng/ul
 RT: 12.97 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: BM000072.D
 Acq: 29 Dec 2014 23:17

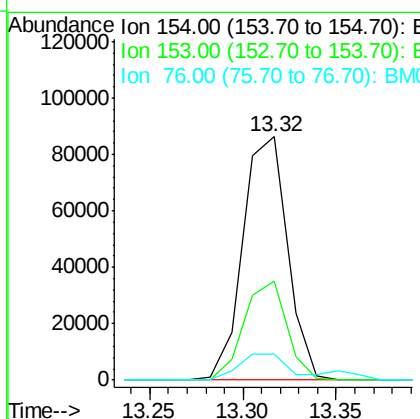
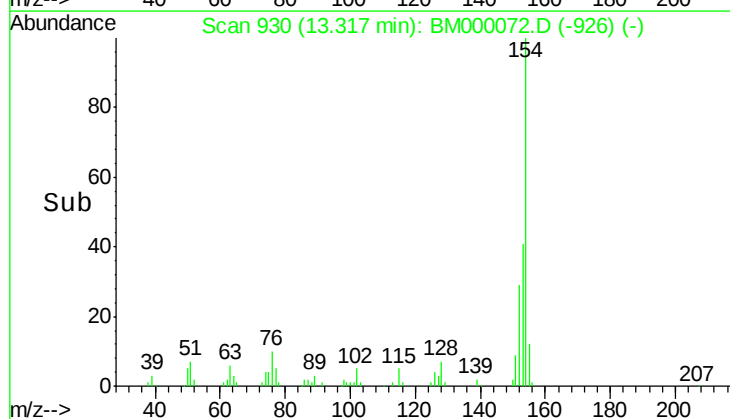
Instrument :
 BNA_M
 ClientSampleId :
 MDL-Soil-6

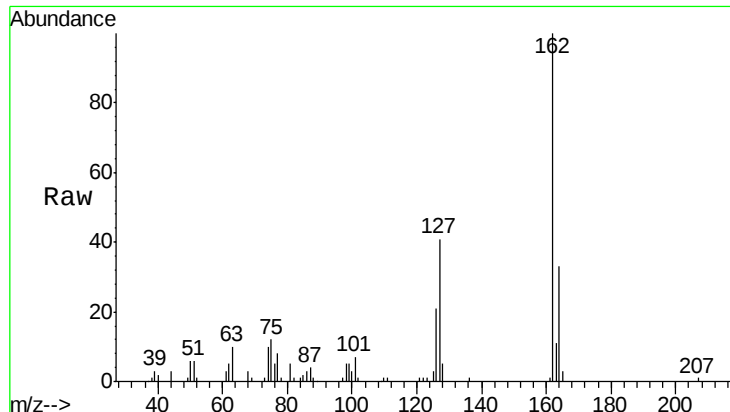
Tgt Ion:196 Resp: 35223
 Ion Ratio Lower Upper
 196 100
 198 100.3 75.4 113.2
 200 33.9 25.0 37.4



#40
 1,1'-Biphenyl
 Concen: 2.65 ng/ul
 RT: 13.32 min Scan# 930
 Delta R.T. -0.00 min
 Lab File: BM000072.D
 Acq: 29 Dec 2014 23:17

Tgt Ion:154 Resp: 143235
 Ion Ratio Lower Upper
 154 100
 153 40.6 30.5 45.7
 76 10.4 8.9 13.3

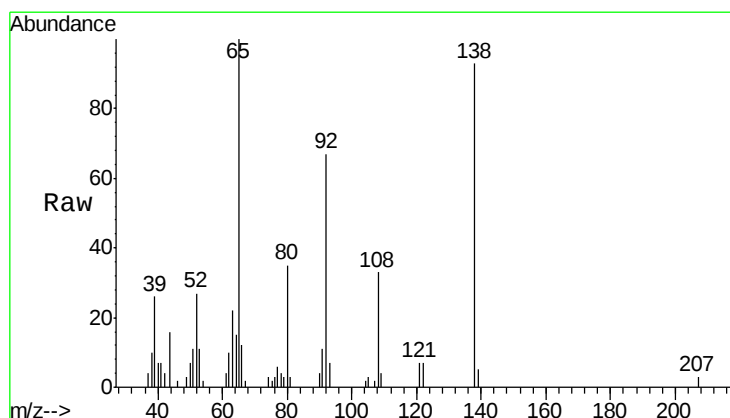
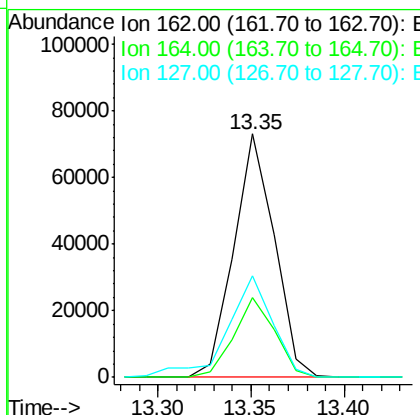
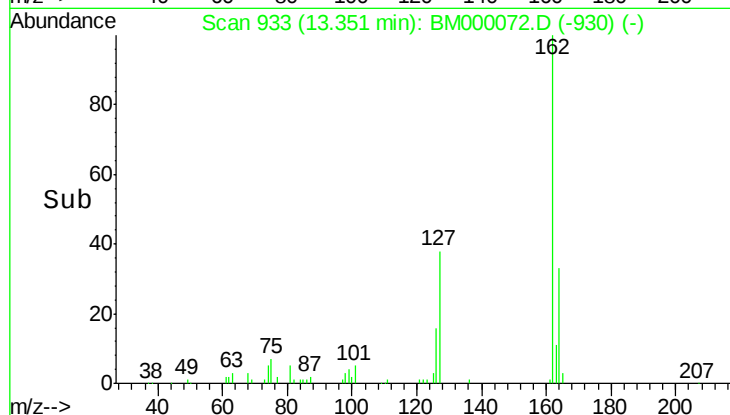




#41
 2-Chloronaphthalene
 Concen: 2.67 ng/ul
 RT: 13.35 min Scan# 933
 Delta R.T. -0.00 min
 Lab File: BM000072.D
 Acq: 29 Dec 2014 23:17

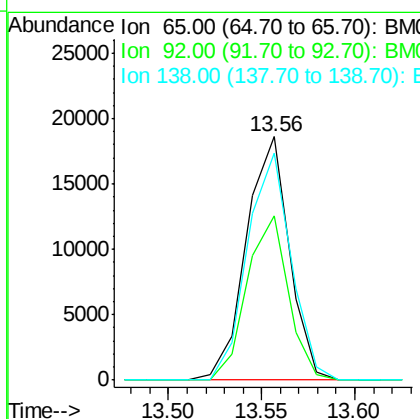
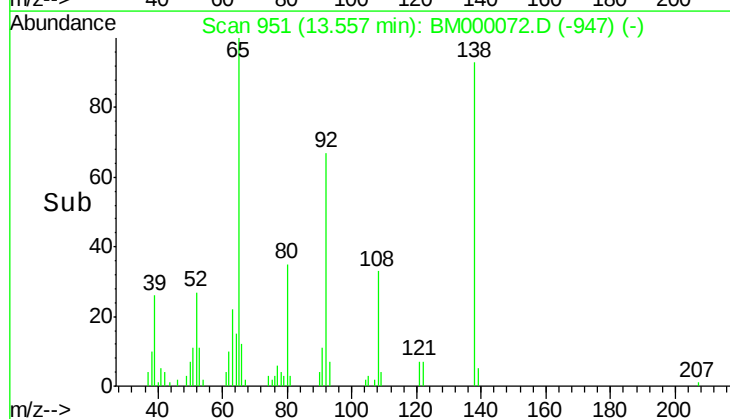
Instrument :
 BNA_M
 ClientSampleId :
 MDL-Soil-6

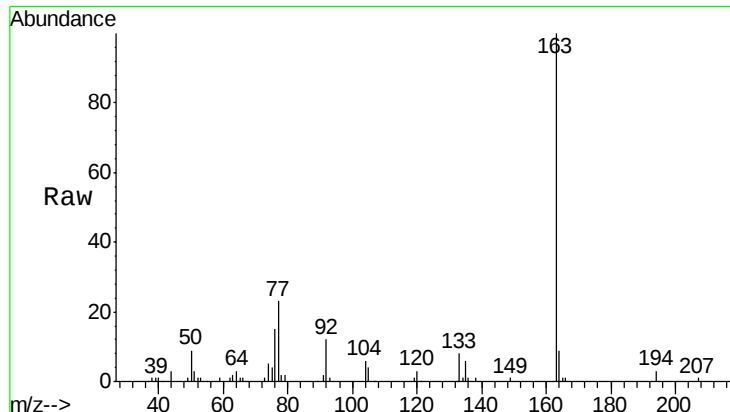
Tgt Ion:162 Resp: 110444
 Ion Ratio Lower Upper
 162 100
 164 33.0 25.8 38.6
 127 41.5 35.9 53.9



#42
 2-Nitroaniline
 Concen: 2.21 ng/ul
 RT: 13.56 min Scan# 951
 Delta R.T. -0.00 min
 Lab File: BM000072.D
 Acq: 29 Dec 2014 23:17

Tgt Ion: 65 Resp: 29648
 Ion Ratio Lower Upper
 65 100
 92 67.4 50.4 75.6
 138 93.3 66.9 100.3





#44

Dimethylphthalate

Concen: 2.71 ng/ul

RT: 13.93 min Scan# 984

Delta R.T. -0.00 min

Lab File: BM000072.D

Acq: 29 Dec 2014 23:17

Instrument :

BNA_M

ClientSampleId :

MDL-Soil-6

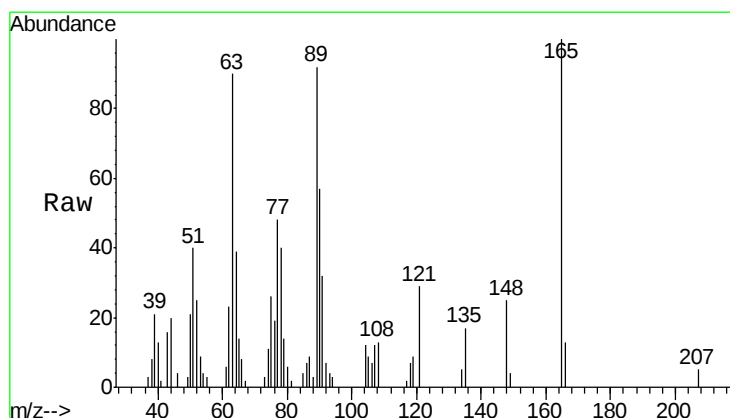
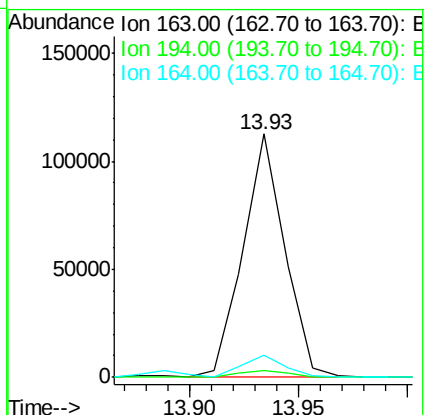
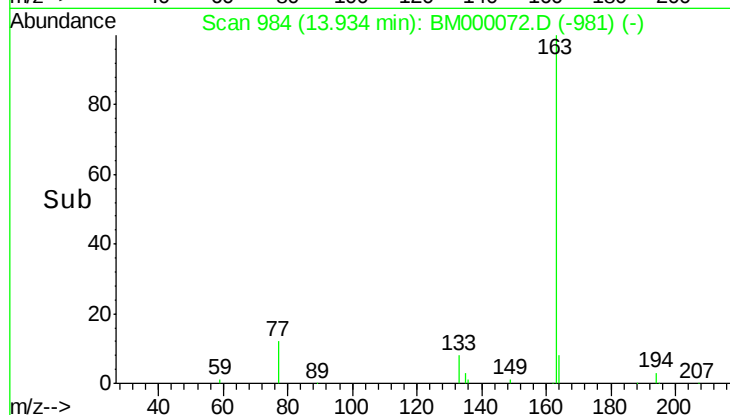
Tgt Ion:163 Resp: 149540

Ion Ratio Lower Upper

163 100

194 2.8 3.0 4.4#

164 9.0 8.5 12.7



#45

2,6-Dinitrotoluene

Concen: 2.27 ng/ul

RT: 14.05 min Scan# 994

Delta R.T. -0.01 min

Lab File: BM000072.D

Acq: 29 Dec 2014 23:17

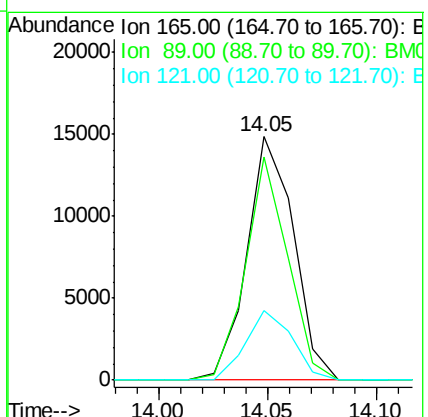
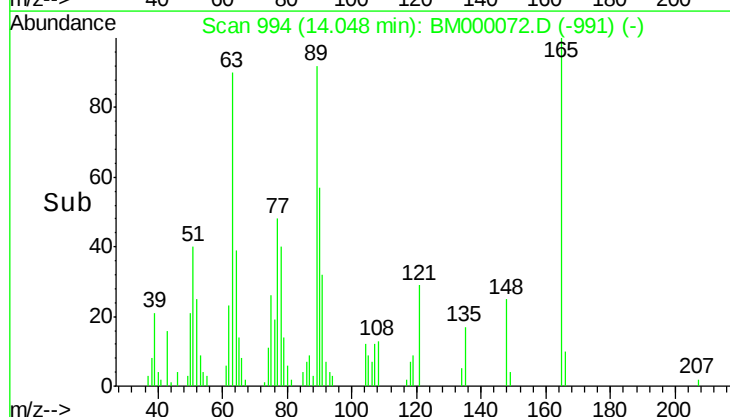
Tgt Ion:165 Resp: 22351

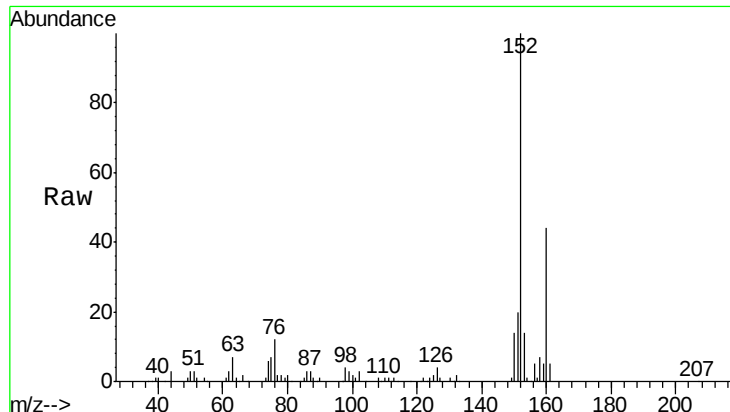
Ion Ratio Lower Upper

165 100

89 91.6 54.4 81.6#

121 28.6 18.6 28.0#

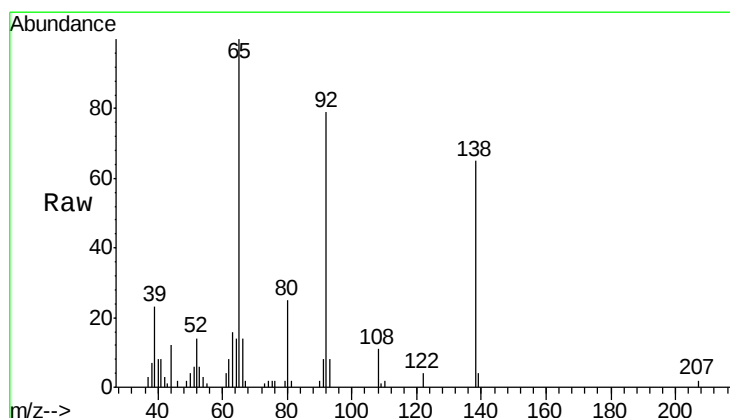
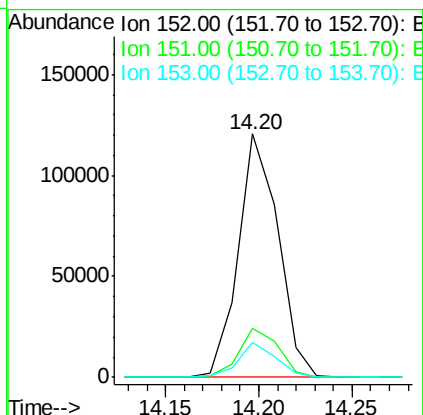
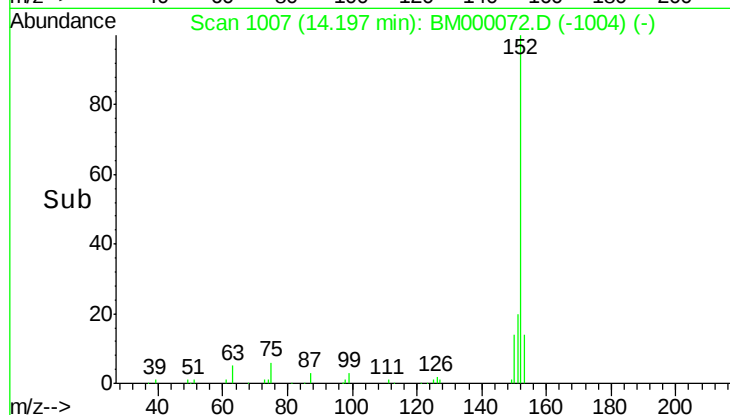




#47
 Acenaphthylene
 Concen: 2.56 ng/ul
 RT: 14.20 min Scan# 1007
 Delta R.T. -0.00 min
 Lab File: BM000072.D
 Acq: 29 Dec 2014 23:17

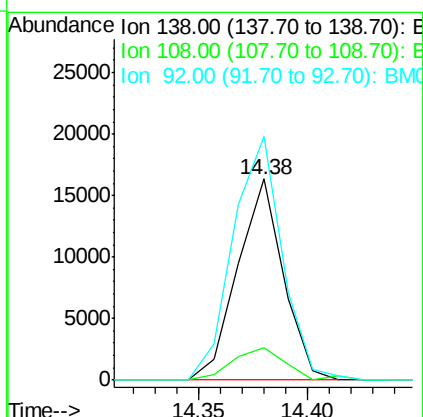
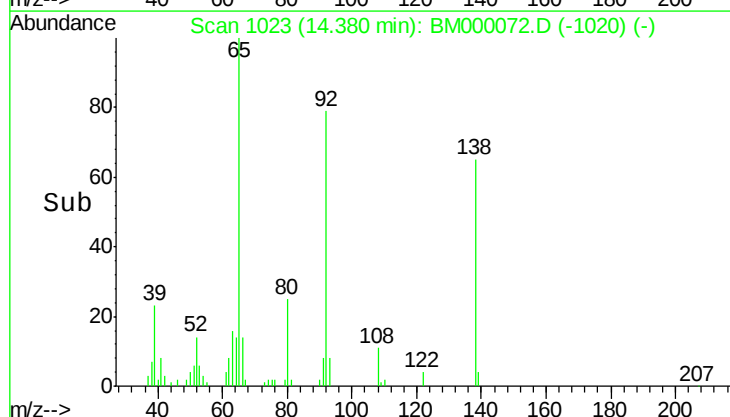
Instrument :
 BNA_M
 ClientSampleId :
 MDL-Soil-6

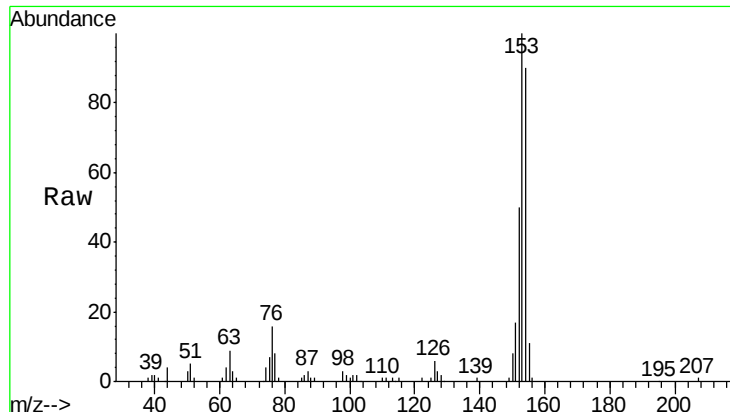
Tgt Ion:152 Resp: 179182
 Ion Ratio Lower Upper
 152 100
 151 20.0 15.4 23.2
 153 14.3 10.2 15.2



#48
 3-Nitroaniline
 Concen: 2.38 ng/ul
 RT: 14.38 min Scan# 1023
 Delta R.T. -0.00 min
 Lab File: BM000072.D
 Acq: 29 Dec 2014 23:17

Tgt Ion:138 Resp: 23976
 Ion Ratio Lower Upper
 138 100
 108 16.3 11.2 16.8
 92 121.1 110.6 165.8





#49

Acenaphthene

Concen: 2.60 ng/ul

RT: 14.54 min Scan# 1037

Delta R.T. -0.00 min

Lab File: BM000072.D

Acq: 29 Dec 2014 23:17

Instrument :

BNA_M

ClientSampleId :

MDL-Soil-6

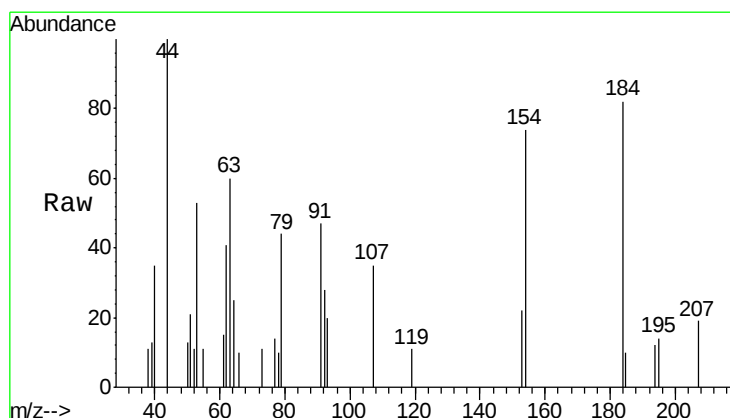
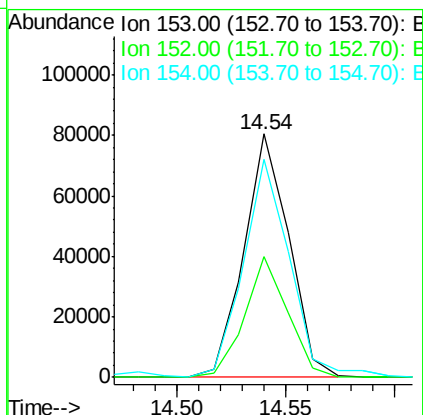
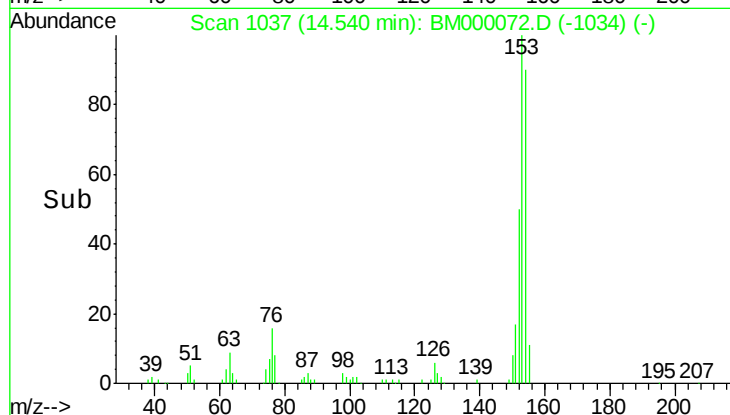
Tgt Ion:153 Resp: 116042

Ion Ratio Lower Upper

153 100

152 49.8 37.5 56.3

154 89.7 72.2 108.4



#50

2,4-Dinitrophenol

Concen: 0.82 ng/ul

RT: 14.57 min Scan# 1040

Delta R.T. -0.01 min

Lab File: BM000072.D

Acq: 29 Dec 2014 23:17

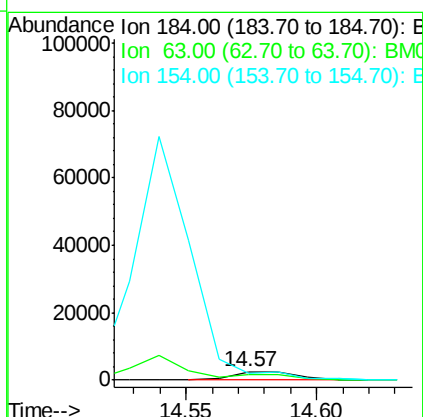
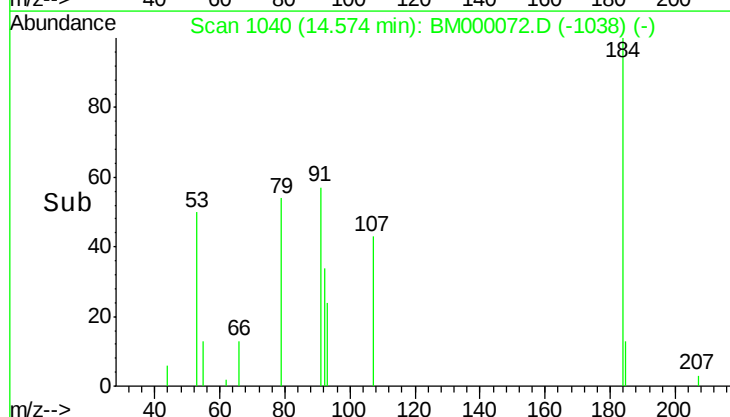
Tgt Ion:184 Resp: 4128

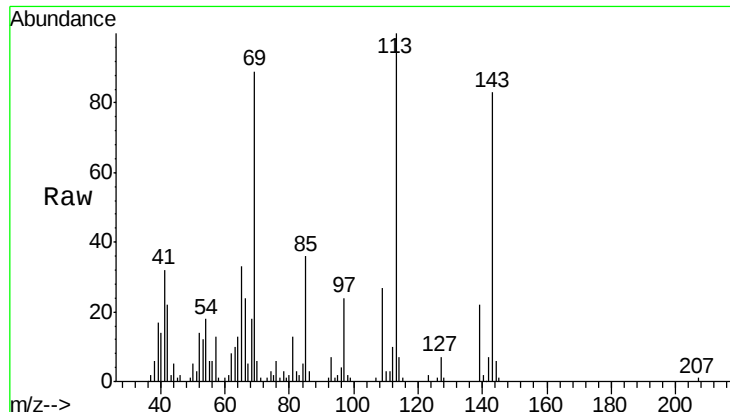
Ion Ratio Lower Upper

184 100

63 72.7 56.1 84.1

154 90.6 68.2 102.4

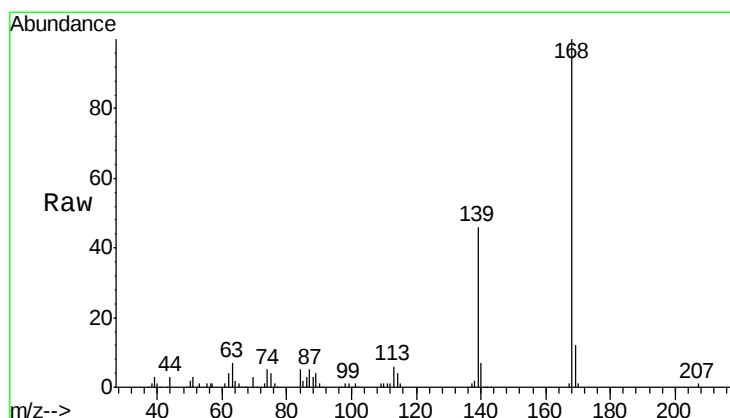
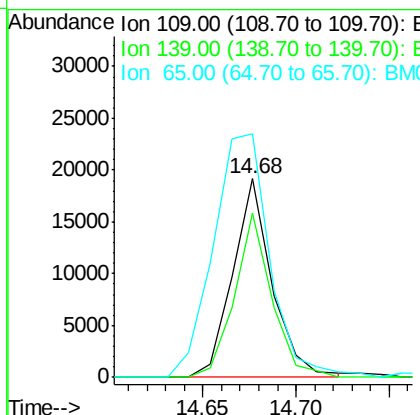
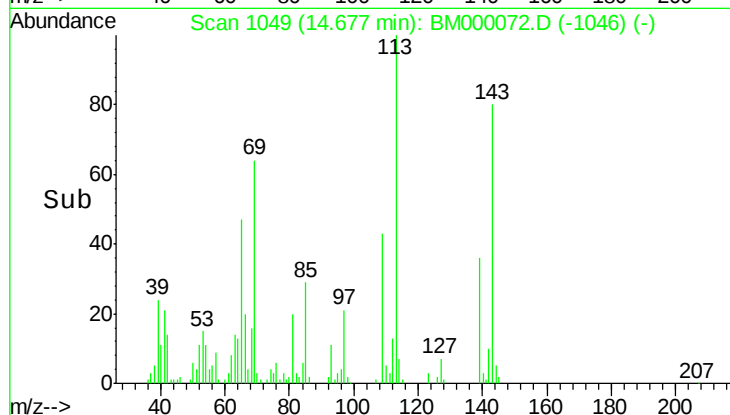




#52
4-Nitrophenol
Concen: 2.36 ng/ul
RT: 14.68 min Scan# 1049
Delta R.T. -0.00 min
Lab File: BM000072.D
Acq: 29 Dec 2014 23:17

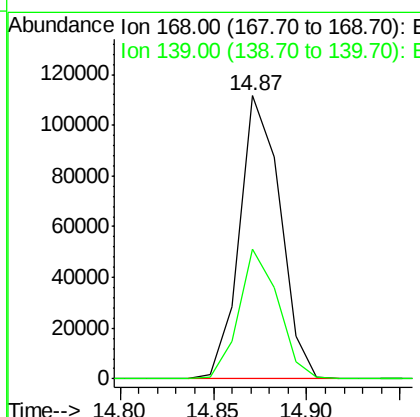
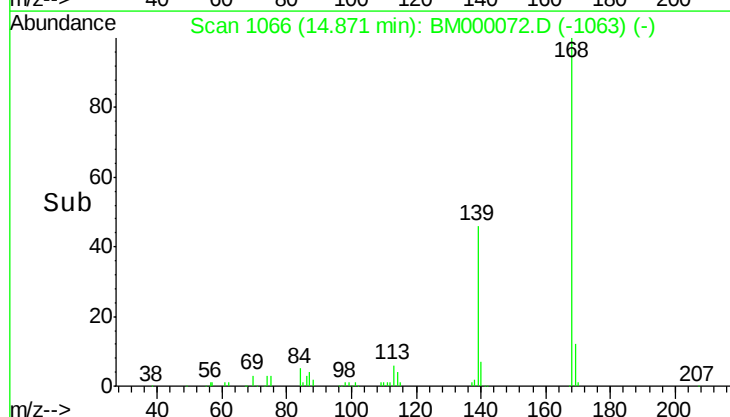
Instrument :
BNA_M
ClientSampleId :
MDL-Soil-6

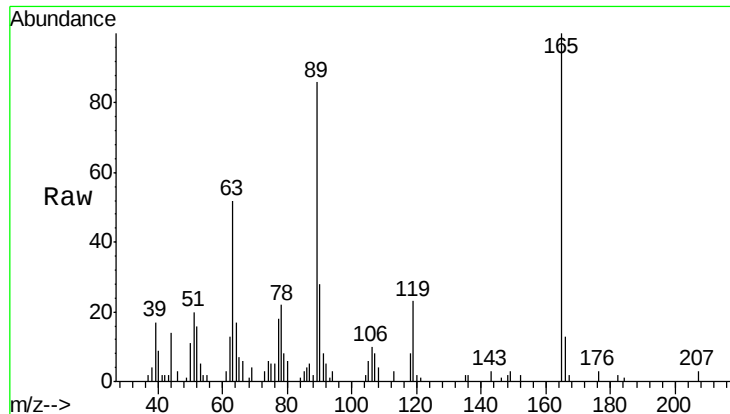
Tgt Ion:109 Resp: 28110
Ion Ratio Lower Upper
109 100
139 83.2 62.5 93.7
65 122.8 88.7 133.1



#53
Dibenzofuran
Concen: 2.63 ng/ul
RT: 14.87 min Scan# 1066
Delta R.T. -0.01 min
Lab File: BM000072.D
Acq: 29 Dec 2014 23:17

Tgt Ion:168 Resp: 169495
Ion Ratio Lower Upper
168 100
139 45.8 33.6 50.4

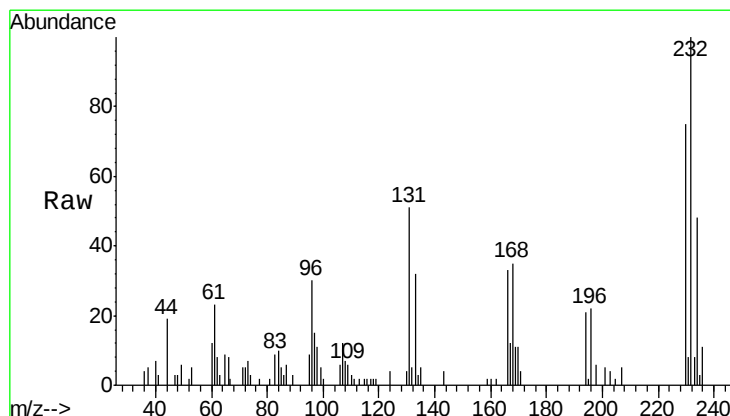
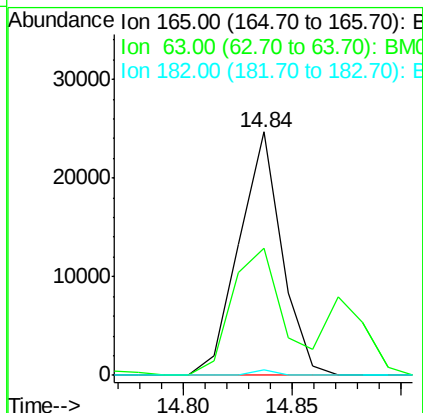
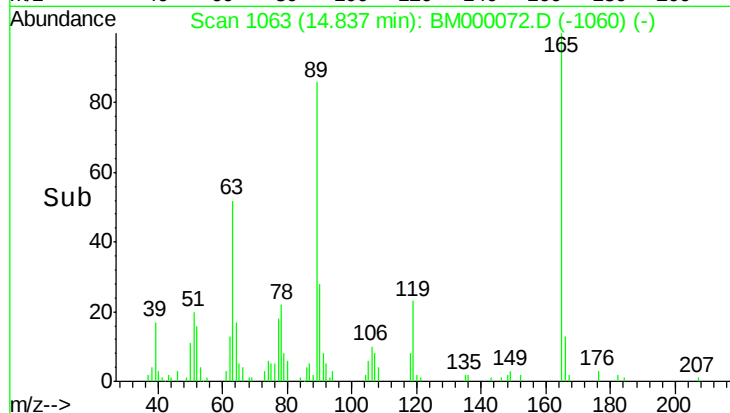




#54
 2,4-Dinitrotoluene
 Concen: 2.29 ng/ul
 RT: 14.84 min Scan# 1063
 Delta R.T. -0.00 min
 Lab File: BM000072.D
 Acq: 29 Dec 2014 23:17

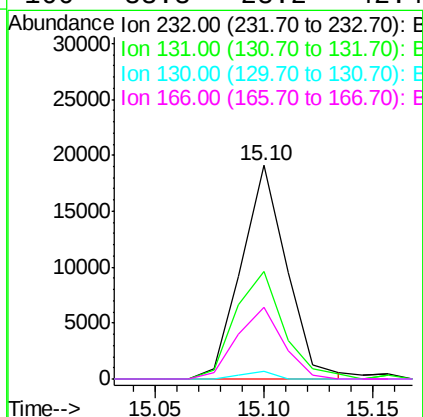
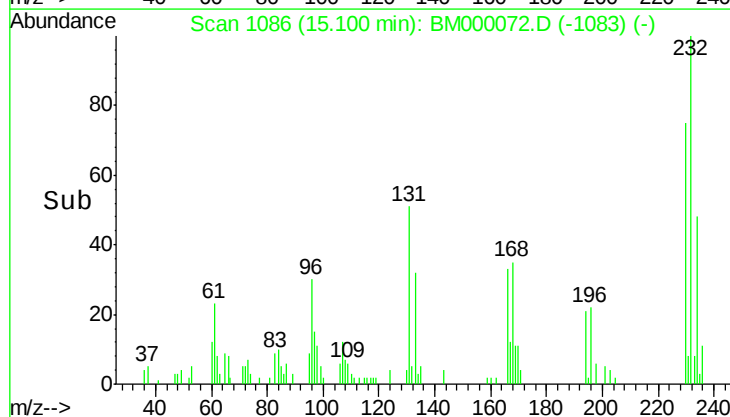
Instrument :
 BNA_M
 ClientSampleId :
 MDL-Soil-6

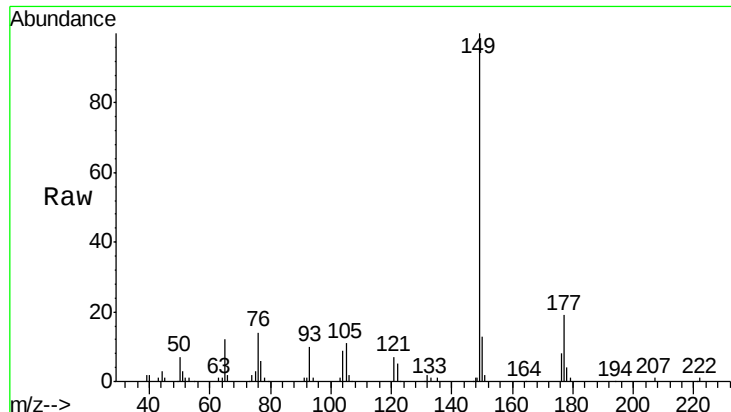
Tgt Ion:165 Resp: 33738
 Ion Ratio Lower Upper
 165 100
 63 52.3 48.8 73.2
 182 2.2 2.1 3.1



#55
 2,3,4,6-Tetrachlorophenol
 Concen: 2.23 ng/ul
 RT: 15.10 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: BM000072.D
 Acq: 29 Dec 2014 23:17

Tgt Ion:232 Resp: 27734
 Ion Ratio Lower Upper
 232 100
 131 50.6 43.4 65.0
 130 3.6 2.7 4.1
 166 33.3 28.2 42.4

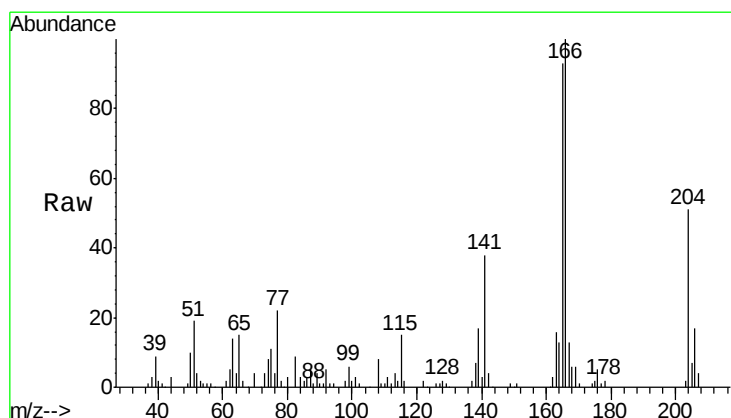
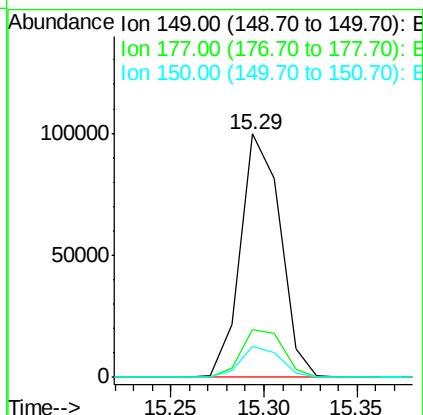
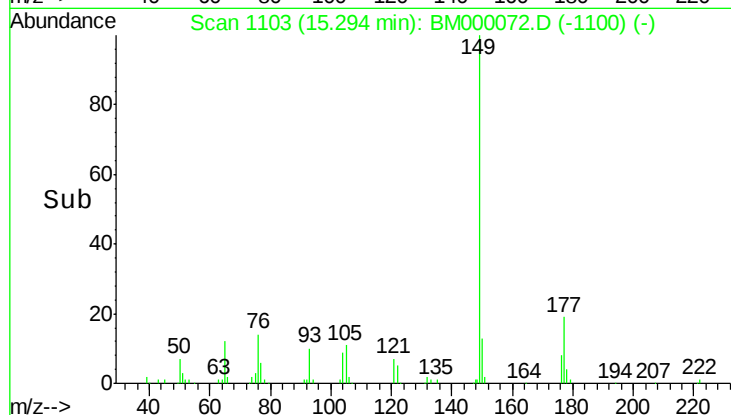




#56
Diethylphthalate
Concen: 2.56 ng/ul
RT: 15.29 min Scan# 1103
Delta R.T. -0.01 min
Lab File: BM000072.D
Acq: 29 Dec 2014 23:17

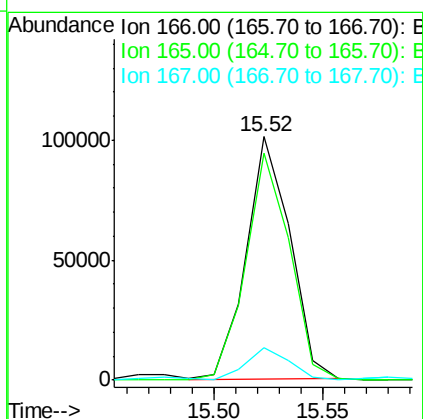
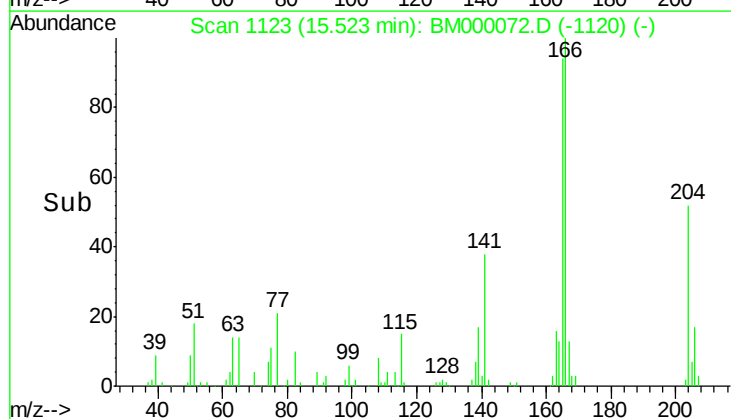
Instrument :
BNA_M
ClientSampleId :
MDL-Soil-6

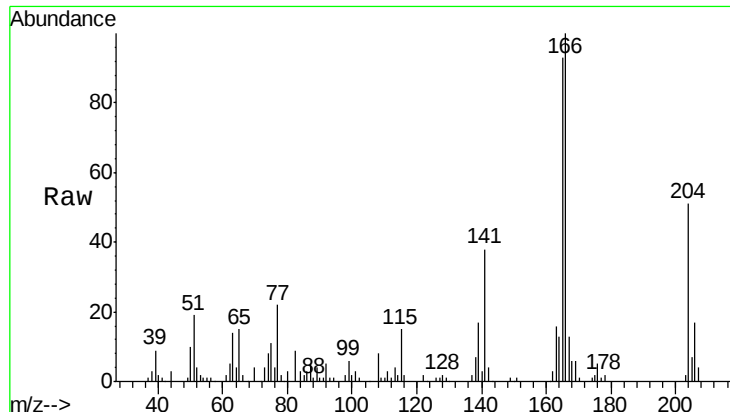
Tgt Ion:149 Resp: 148129
Ion Ratio Lower Upper
149 100
177 19.4 17.4 26.2
150 12.7 10.5 15.7



#58
Fluorene
Concen: 2.64 ng/ul
RT: 15.52 min Scan# 1123
Delta R.T. -0.00 min
Lab File: BM000072.D
Acq: 29 Dec 2014 23:17

Tgt Ion:166 Resp: 141577
Ion Ratio Lower Upper
166 100
165 93.3 76.0 114.0
167 13.3 10.2 15.4

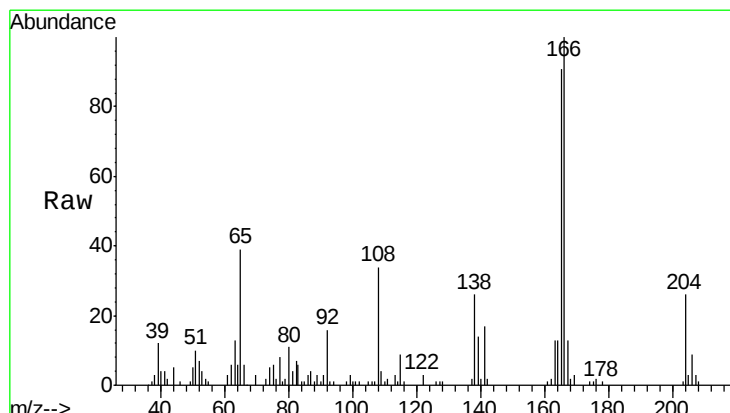
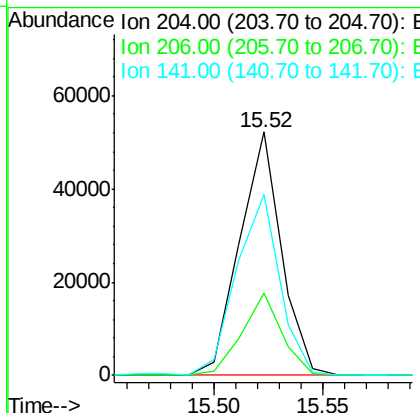
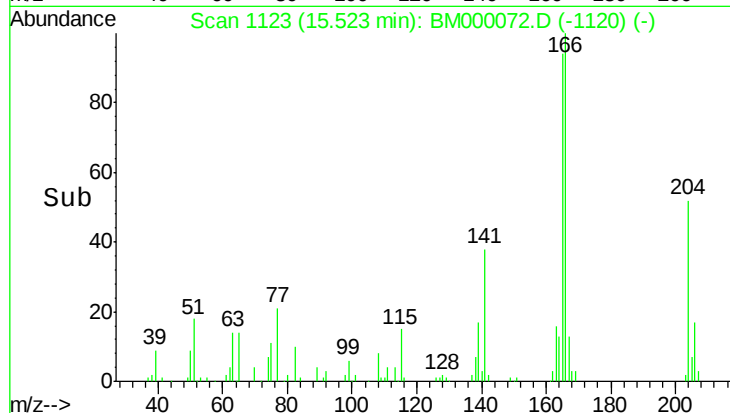




#59
 4-Chlorophenyl-phenylether
 Concen: 2.63 ng/ul
 RT: 15.52 min Scan# 1123
 Delta R.T. -0.00 min
 Lab File: BM000072.D
 Acq: 29 Dec 2014 23:17

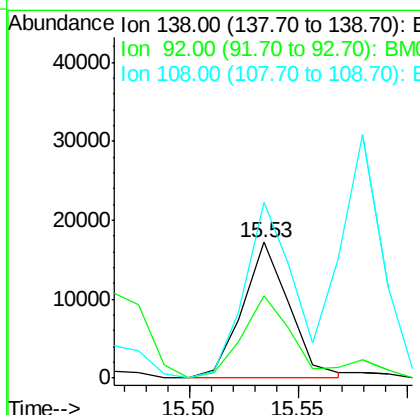
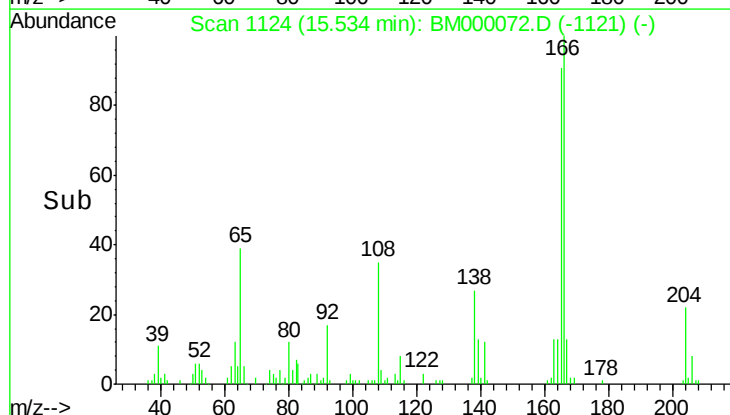
Instrument :
 BNA_M
 ClientSampleId :
 MDL-Soil-6

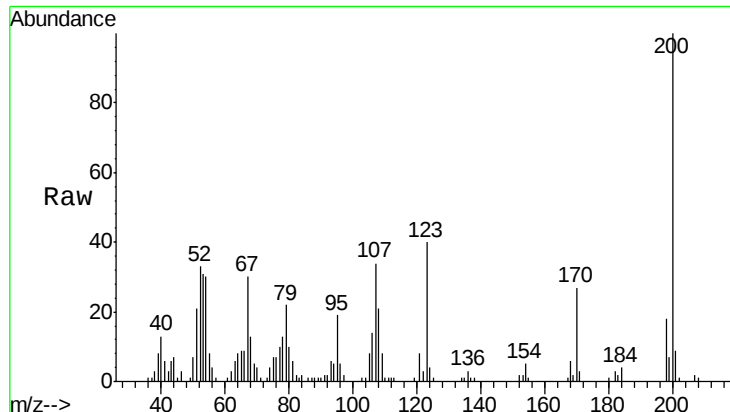
Tgt Ion:	204	Resp:	69515
Ion Ratio	Lower	Upper	
204	100		
206	33.7	25.8	38.8
141	74.2	61.3	91.9



#60
 4-Nitroaniline
 Concen: 2.25 ng/ul
 RT: 15.53 min Scan# 1124
 Delta R.T. -0.01 min
 Lab File: BM000072.D
 Acq: 29 Dec 2014 23:17

Tgt Ion:	138	Resp:	25623
Ion Ratio	Lower	Upper	
138	100		
92	60.9	49.3	73.9
108	129.2	110.3	165.5

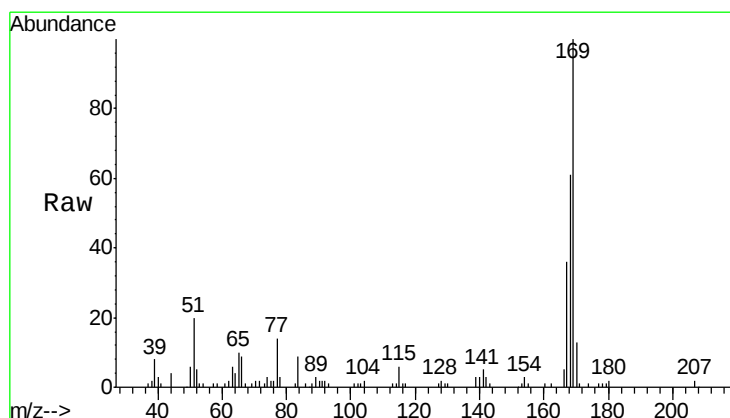
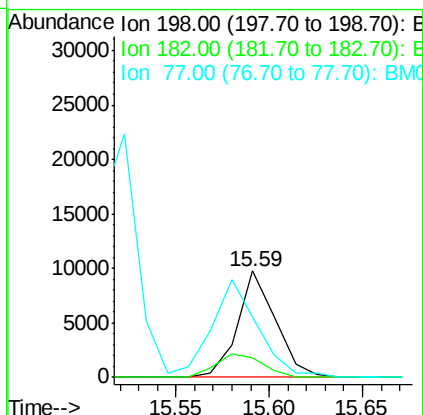
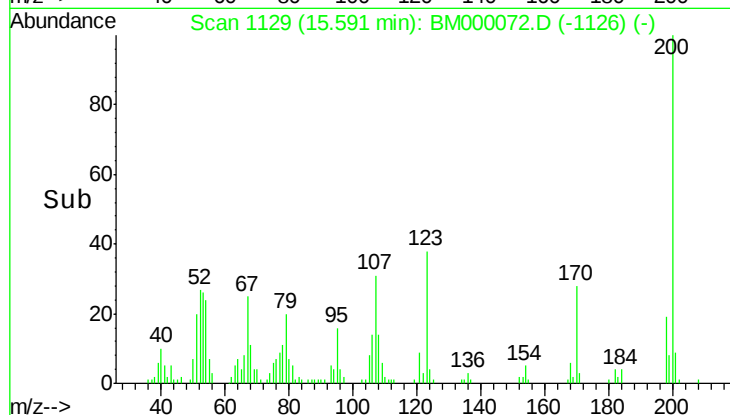




#63
 4,6-Dinitro-2-methylphenol
 Concen: 1.82 ng/ul
 RT: 15.59 min Scan# 1129
 Delta R.T. -0.01 min
 Lab File: BM000072.D
 Acq: 29 Dec 2014 23:17

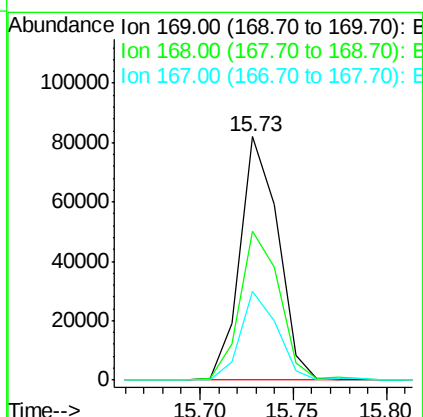
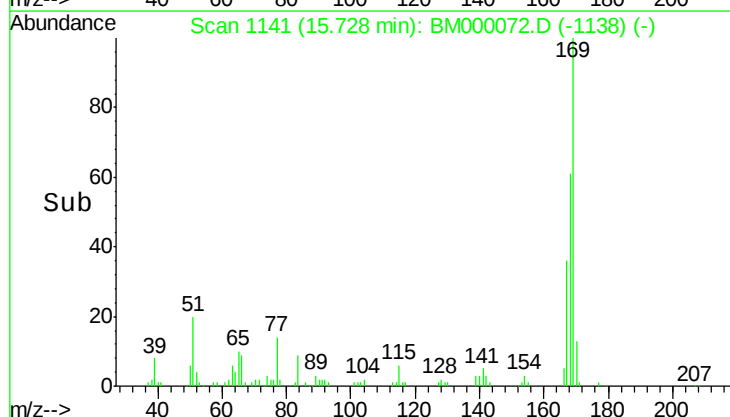
Instrument :
 BNA_M
 ClientSampleId :
 MDL-Soil-6

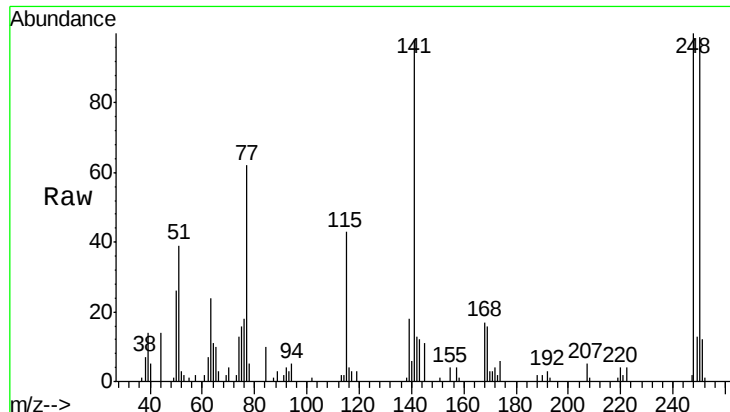
Tgt Ion:198 Resp: 13815
 Ion Ratio Lower Upper
 198 100
 182 18.5 2.6 4.0#
 77 56.8 25.2 37.8#



#64
 N-Nitrosodiphenylamine
 Concen: 2.69 ng/ul
 RT: 15.73 min Scan# 1141
 Delta R.T. -0.01 min
 Lab File: BM000072.D
 Acq: 29 Dec 2014 23:17

Tgt Ion:169 Resp: 116799
 Ion Ratio Lower Upper
 169 100
 168 61.3 51.8 77.6
 167 36.2 28.1 42.1

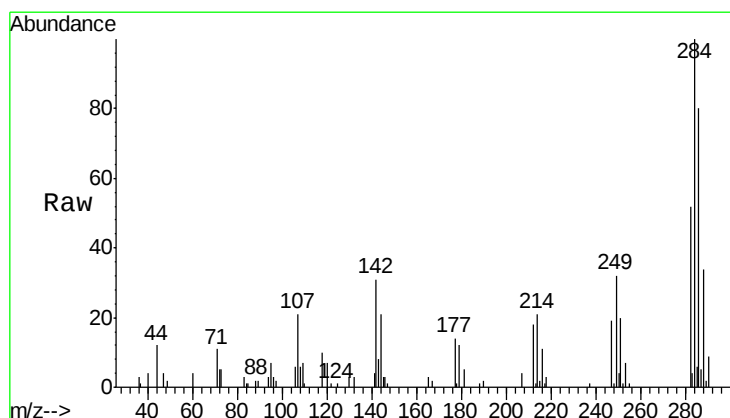
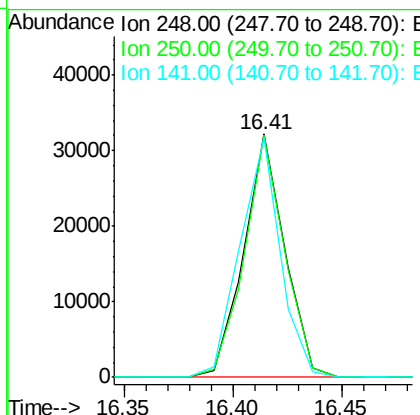
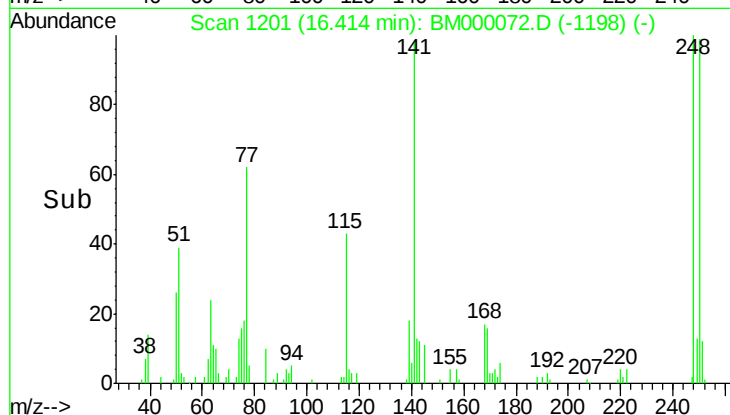




#65
 4-Bromophenyl-phenylether
 Concen: 2.76 ng/ul
 RT: 16.41 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: BM000072.D
 Acq: 29 Dec 2014 23:17

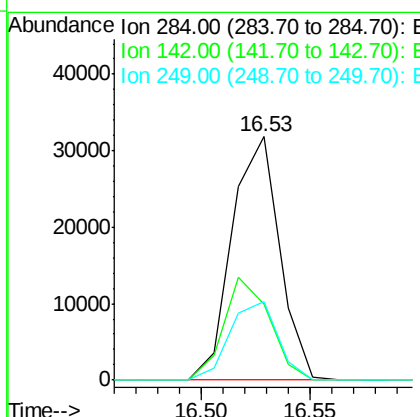
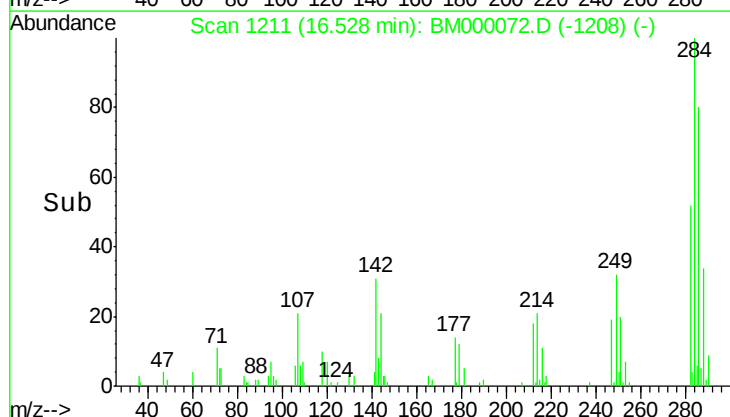
Instrument :
 BNA_M
 ClientSampleId :
 MDL-Soil-6

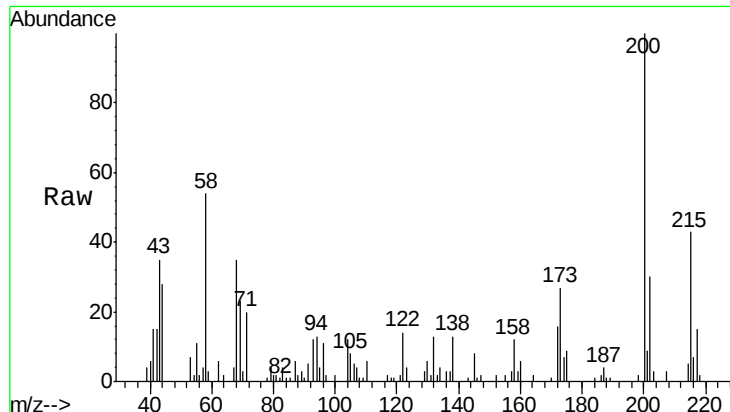
Tgt Ion:	248	Resp:	42142
Ion Ratio	Lower	Upper	
248	100		
250	99.4	78.4	117.6
141	98.4	67.0	100.4



#66
 Hexachlorobenzene
 Concen: 2.75 ng/ul
 RT: 16.53 min Scan# 1211
 Delta R.T. -0.00 min
 Lab File: BM000072.D
 Acq: 29 Dec 2014 23:17

Tgt Ion:	284	Resp:	48306
Ion Ratio	Lower	Upper	
284	100		
142	31.3	32.4	48.6#
249	32.3	26.7	40.1

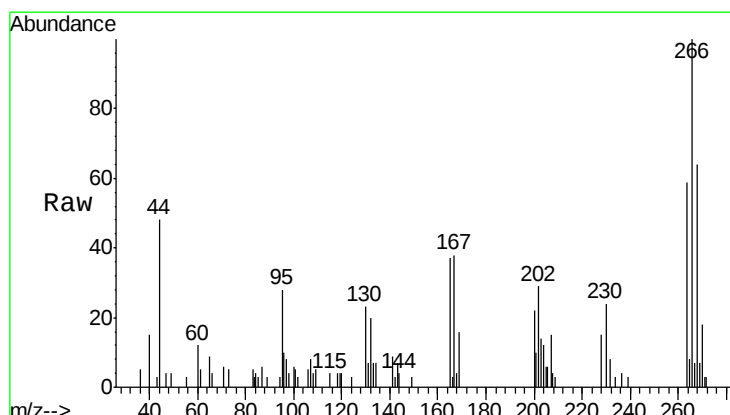
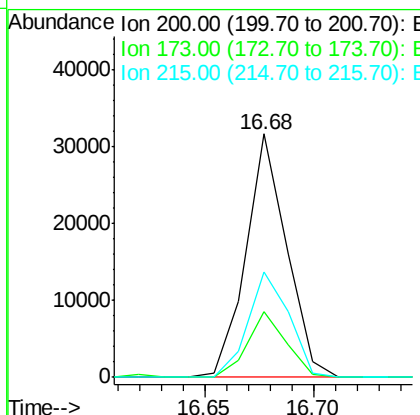
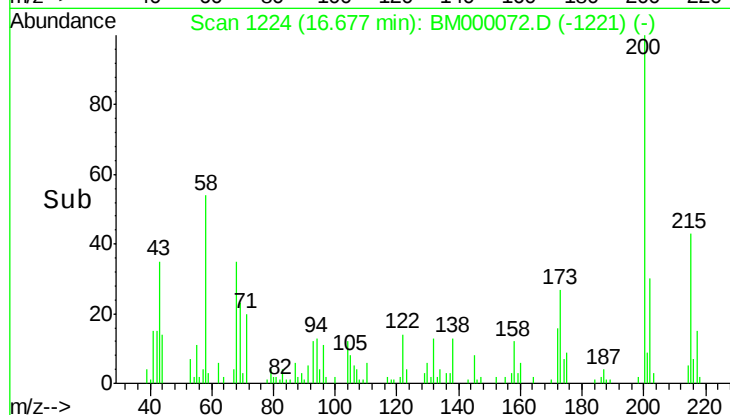




#67
Atrazine
Concen: 2.41 ng/ul
RT: 16.68 min Scan# 1224
Delta R.T. -0.01 min
Lab File: BM000072.D
Acq: 29 Dec 2014 23:17

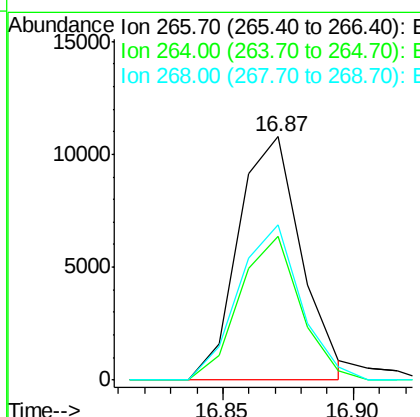
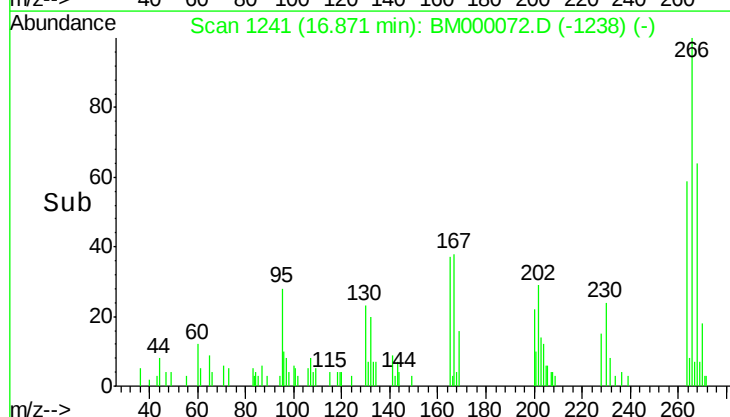
Instrument :
BNA_M
ClientSampleId :
MDL-Soil-6

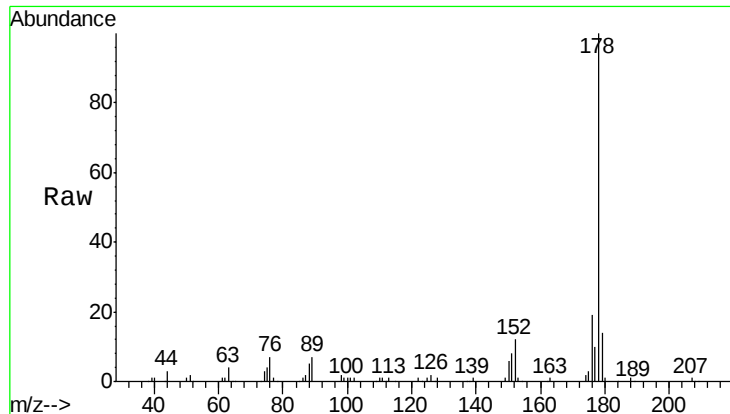
Tgt Ion	Ratio	Lower	Upper
200	100		
173	27.1	19.5	29.3
215	43.5	36.6	54.8



#68
Pentachlorophenol
Concen: 1.71 ng/ul
RT: 16.87 min Scan# 1241
Delta R.T. -0.00 min
Lab File: BM000072.D
Acq: 29 Dec 2014 23:17

Tgt Ion	Ratio	Lower	Upper
266	100		
264	58.9	49.8	74.6
268	63.9	48.2	72.4

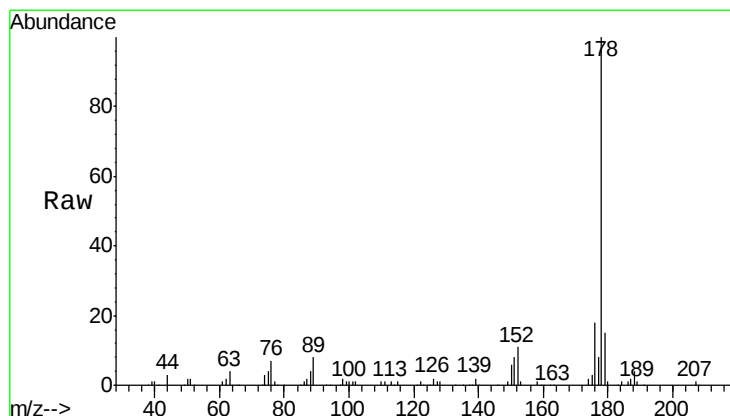
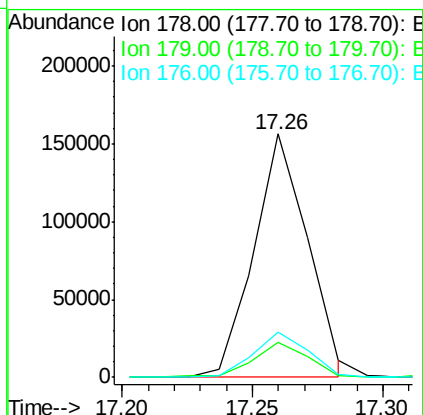
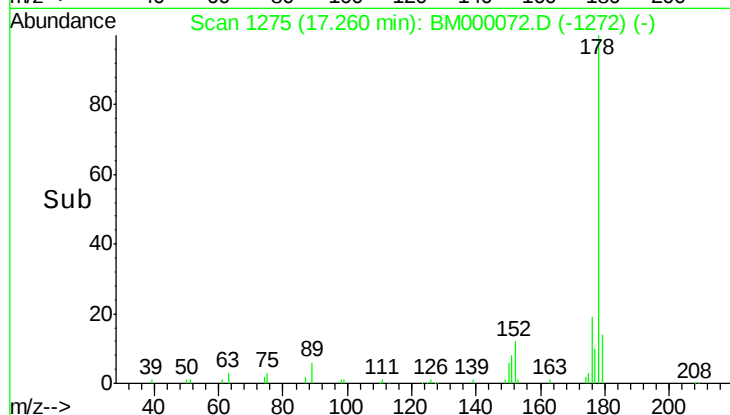




#69
 Phenanthrene
 Concen: 2.77 ng/ul
 RT: 17.26 min Scan# 1275
 Delta R.T. -0.00 min
 Lab File: BM000072.D
 Acq: 29 Dec 2014 23:17

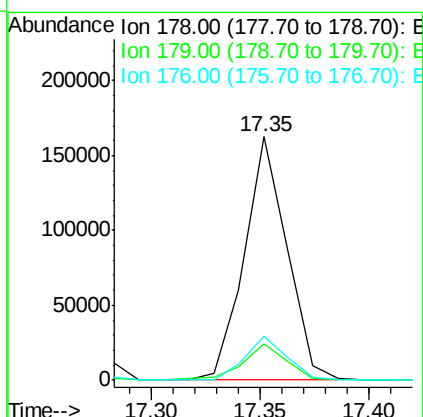
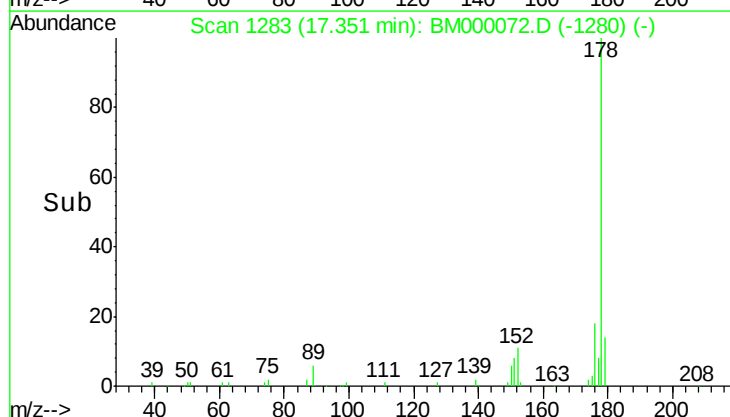
Instrument :
 BNA_M
 ClientSampleId :
 MDL-Soil-6

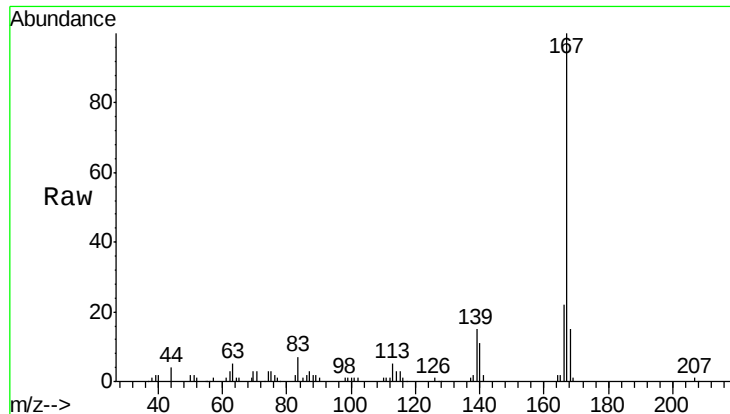
Tgt Ion:178 Resp: 224428
 Ion Ratio Lower Upper
 178 100
 179 14.4 11.6 17.4
 176 18.5 14.6 22.0



#71
 Anthracene
 Concen: 2.63 ng/ul
 RT: 17.35 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: BM000072.D
 Acq: 29 Dec 2014 23:17

Tgt Ion:178 Resp: 218821
 Ion Ratio Lower Upper
 178 100
 179 14.9 12.6 18.8
 176 17.9 14.6 21.8

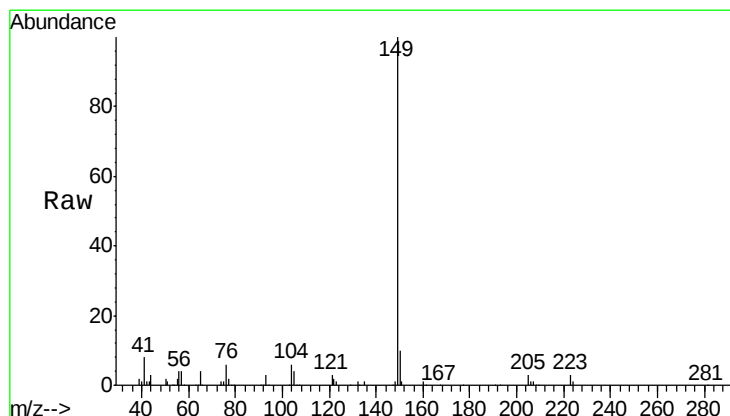
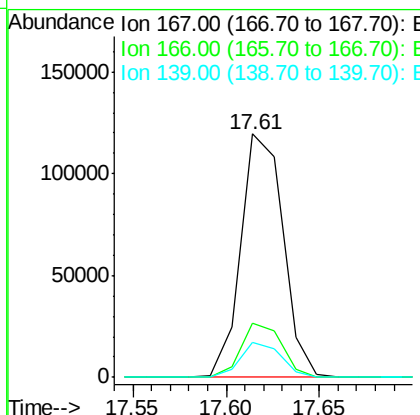
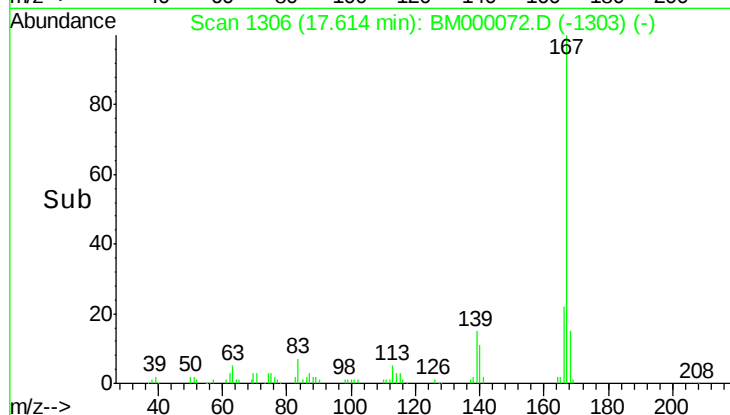




#72
 Carbazole
 Concen: 2.52 ng/ul
 RT: 17.61 min Scan# 1306
 Delta R.T. -0.01 min
 Lab File: BM000072.D
 Acq: 29 Dec 2014 23:17

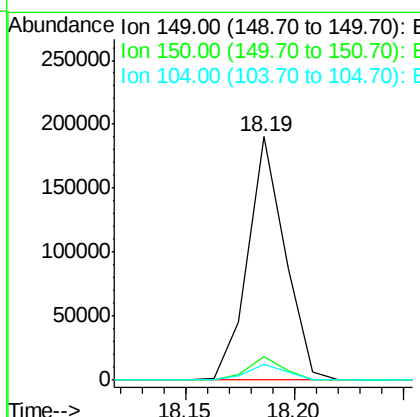
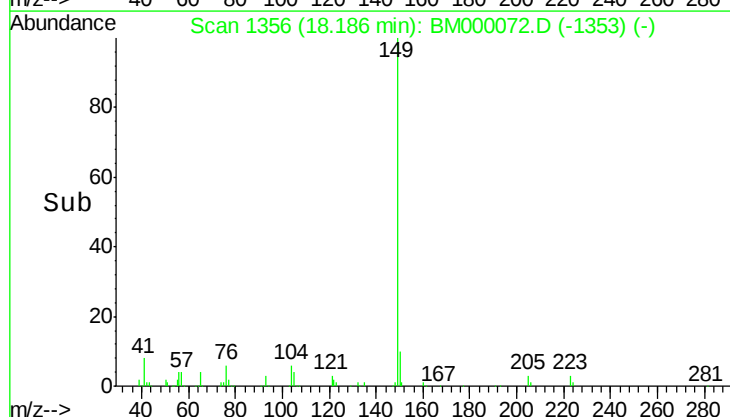
Instrument :
 BNA_M
 ClientSampleId :
 MDL-Soil-6

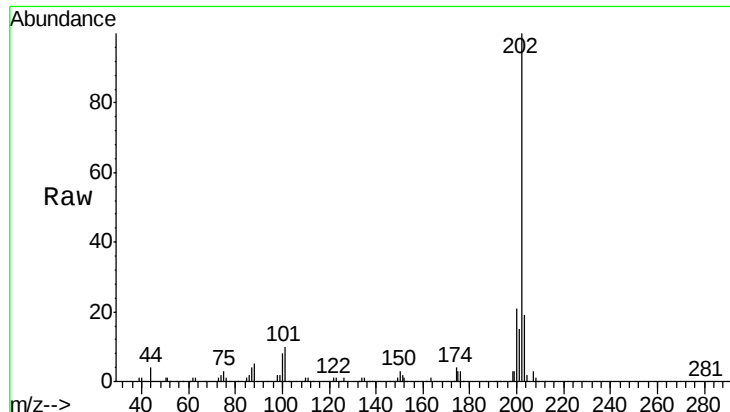
Tgt Ion:	167	Resp:	188943
Ion	Ratio	Lower	Upper
167	100		
166	22.2	16.2	24.4
139	14.6	10.7	16.1



#73
 Di-n-butylphthalate
 Concen: 2.55 ng/ul
 RT: 18.19 min Scan# 1356
 Delta R.T. -0.00 min
 Lab File: BM000072.D
 Acq: 29 Dec 2014 23:17

Tgt Ion:	149	Resp:	227986
Ion	Ratio	Lower	Upper
149	100		
150	9.6	7.1	10.7
104	6.3	4.8	7.2





#74

Fluoranthene

Concen: 2.58 ng/ul

RT: 19.27 min Scan# 1451

Delta R.T. -0.01 min

Lab File: BM000072.D

Acq: 29 Dec 2014 23:17

Instrument :

BNA_M

ClientSampleId :

MDL-Soil-6

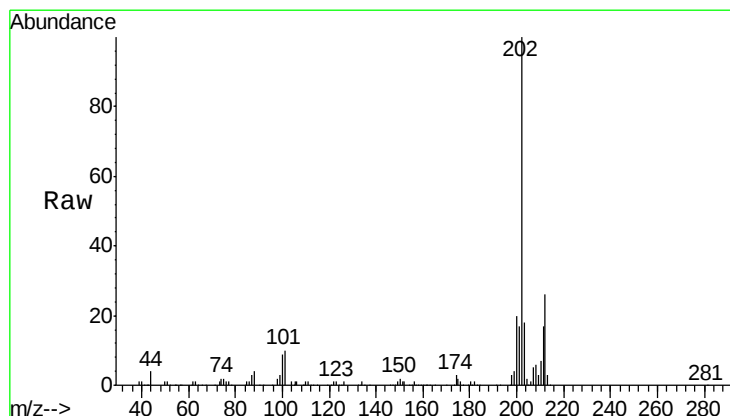
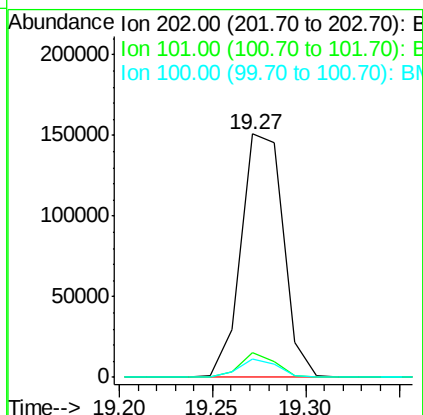
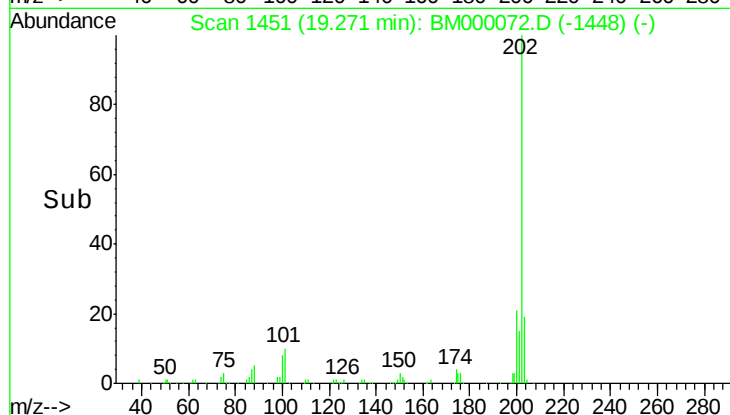
Tgt Ion:202 Resp: 240187

Ion Ratio Lower Upper

202 100

101 10.0 6.4 9.6#

100 7.6 4.6 7.0#



#77

Pyrene

Concen: 3.17 ng/ul

RT: 19.64 min Scan# 1483

Delta R.T. -0.00 min

Lab File: BM000072.D

Acq: 29 Dec 2014 23:17

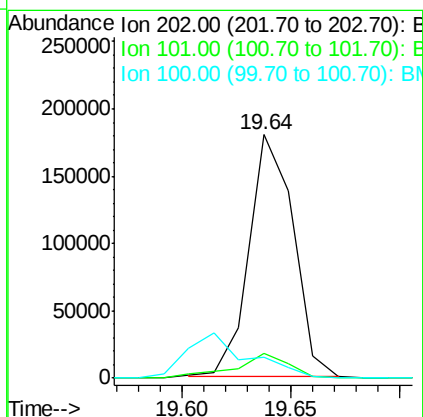
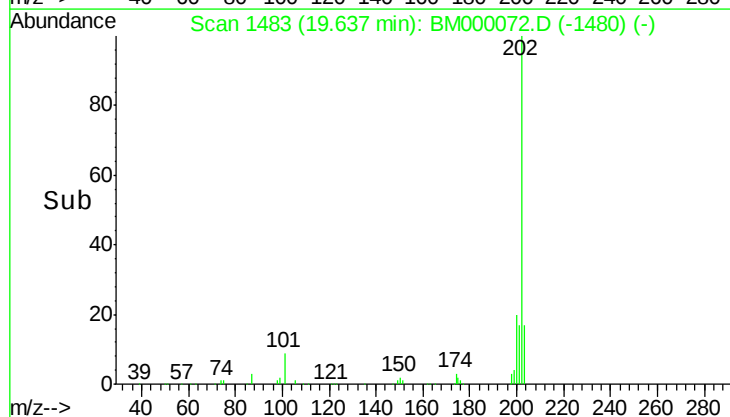
Tgt Ion:202 Resp: 255859

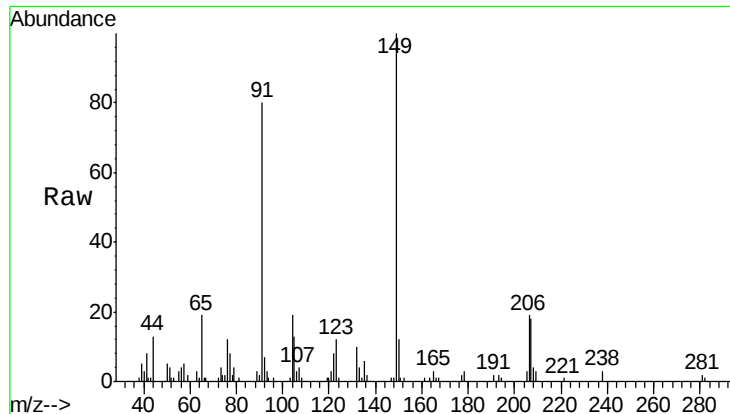
Ion Ratio Lower Upper

202 100

101 10.1 6.9 10.3

100 8.5 5.5 8.3#

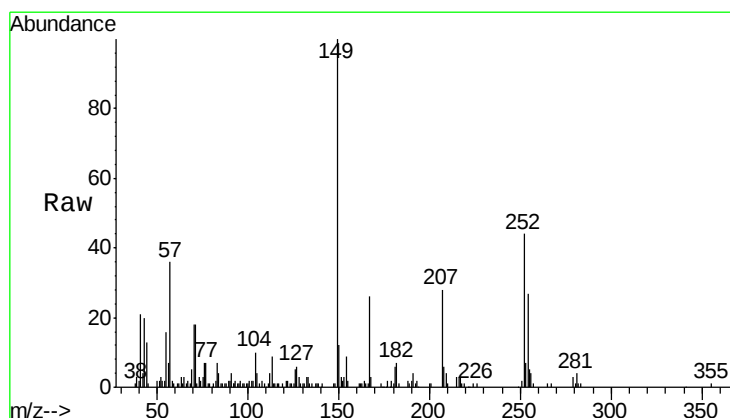
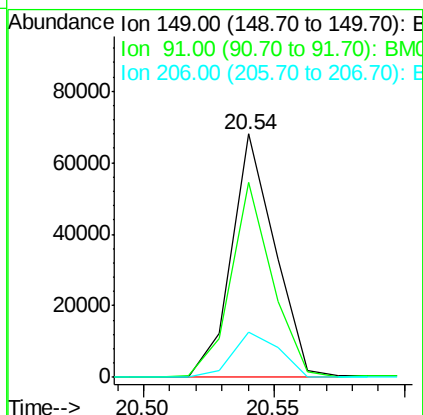
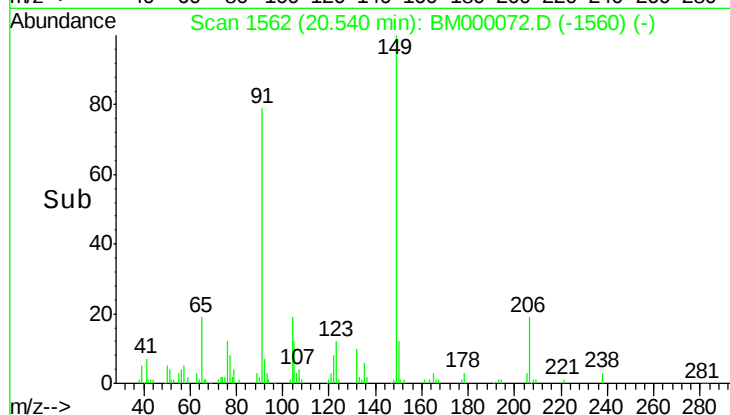




#78
Butylbenzylphthalate
Concen: 2.42 ng/ul
RT: 20.54 min Scan# 1562
Delta R.T. -0.00 min
Lab File: BM000072.D
Acq: 29 Dec 2014 23:17

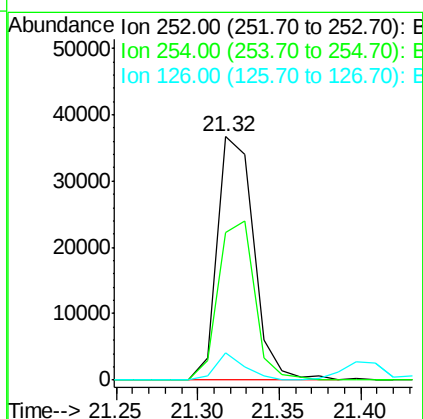
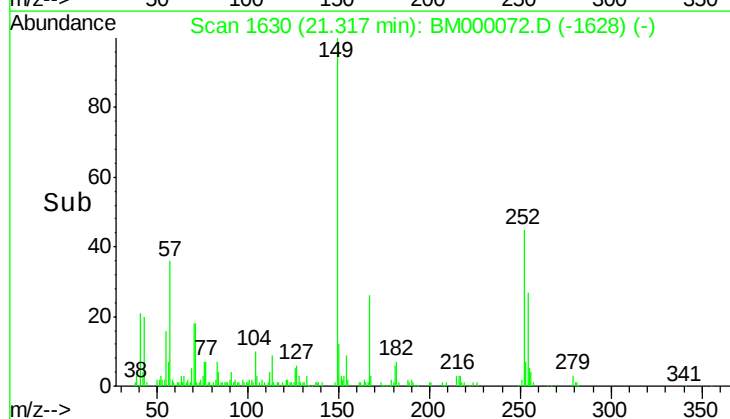
Instrument :
BNA_M
ClientSampleId :
MDL-Soil-6

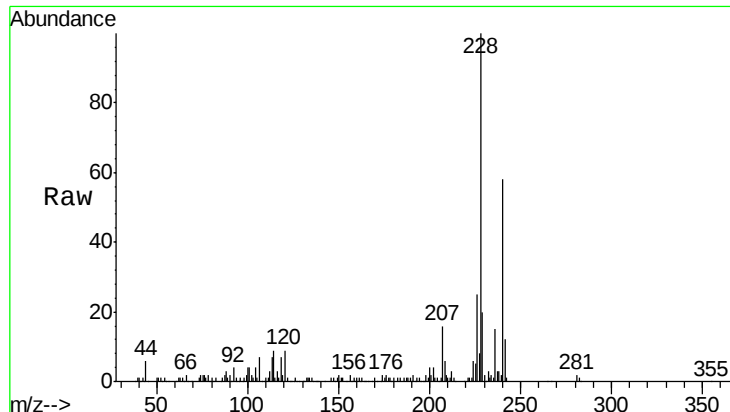
Tgt Ion:149 Resp: 79500
Ion Ratio Lower Upper
149 100
91 80.0 56.6 84.8
206 18.6 16.8 25.2



#79
3,3'-Dichlorobenzidine
Concen: 2.31 ng/ul
RT: 21.32 min Scan# 1630
Delta R.T. -0.01 min
Lab File: BM000072.D
Acq: 29 Dec 2014 23:17

Tgt Ion:252 Resp: 56592
Ion Ratio Lower Upper
252 100
254 60.4 51.2 76.8
126 11.0 7.9 11.9

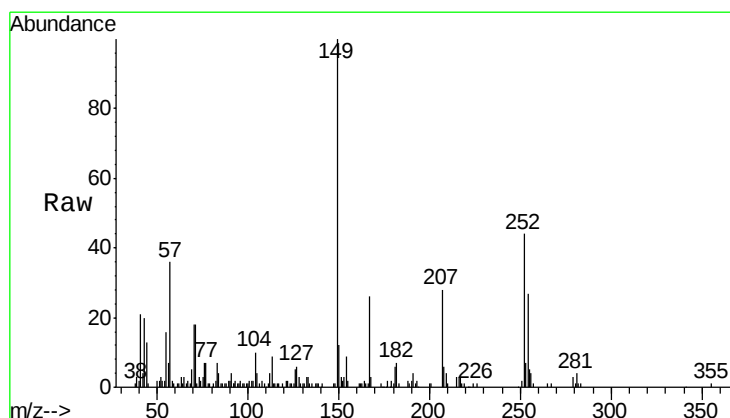
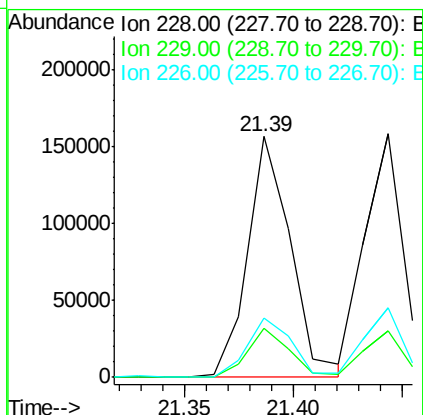
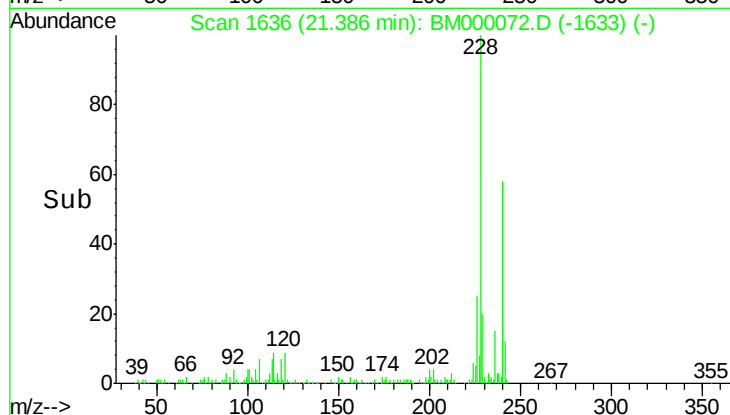




#80
Benzo(a)anthracene
Concen: 2.80 ng/ul
RT: 21.39 min Scan# 1636
Delta R.T. -0.00 min
Lab File: BM000072.D
Acq: 29 Dec 2014 23:17

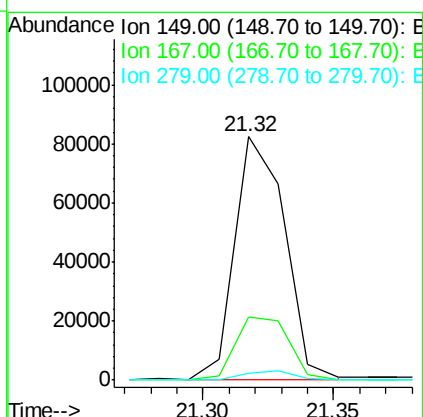
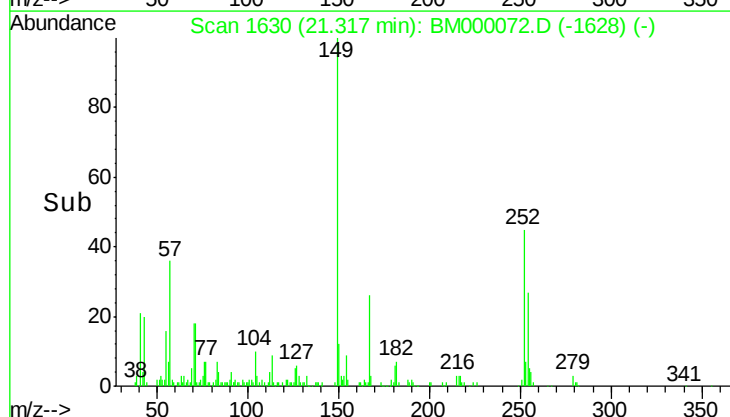
Instrument :
BNA_M
ClientSampleId :
MDL-Soil-6

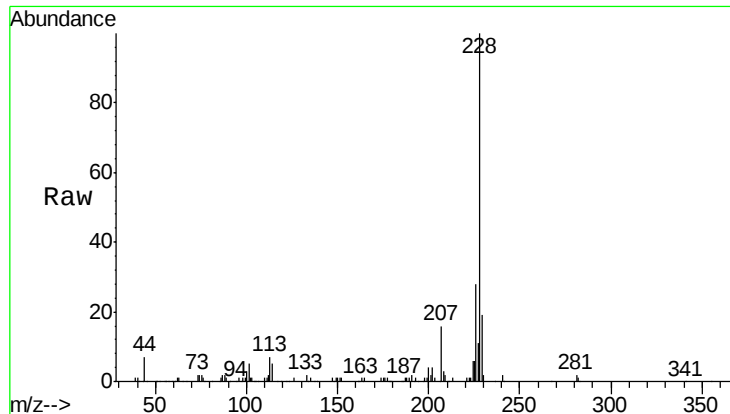
Tgt Ion:228 Resp: 216406
Ion Ratio Lower Upper
228 100
229 20.5 15.8 23.8
226 24.5 20.7 31.1



#81
Bis(2-ethylhexyl)phthalate
Concen: 2.31 ng/ul
RT: 21.32 min Scan# 1630
Delta R.T. -0.01 min
Lab File: BM000072.D
Acq: 29 Dec 2014 23:17

Tgt Ion:149 Resp: 110590
Ion Ratio Lower Upper
149 100
167 26.1 22.1 33.1
279 2.9 3.0 4.6#

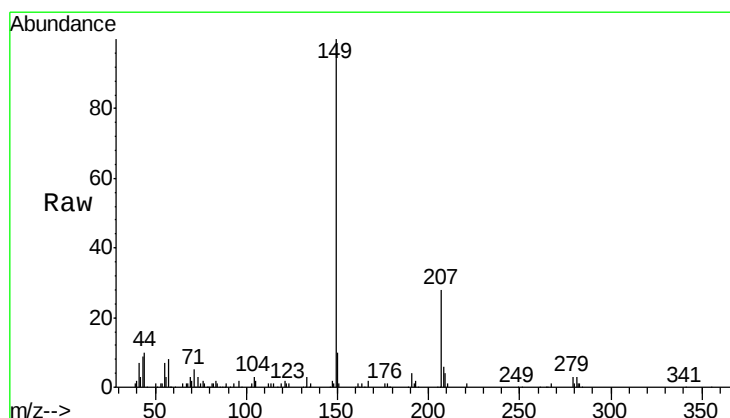
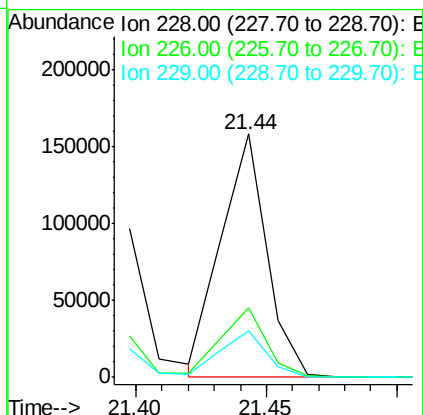
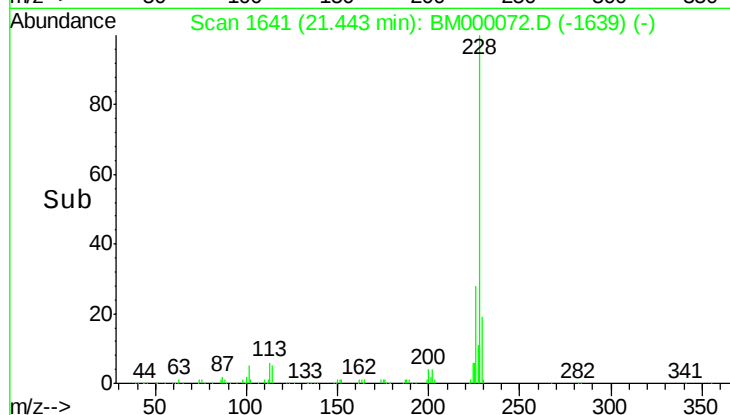




#82
 Chrysene
 Concen: 2.70 ng/ul
 RT: 21.44 min Scan# 1641
 Delta R.T. -0.00 min
 Lab File: BM000072.D
 Acq: 29 Dec 2014 23:17

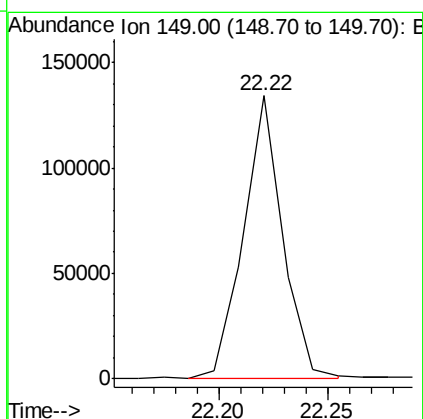
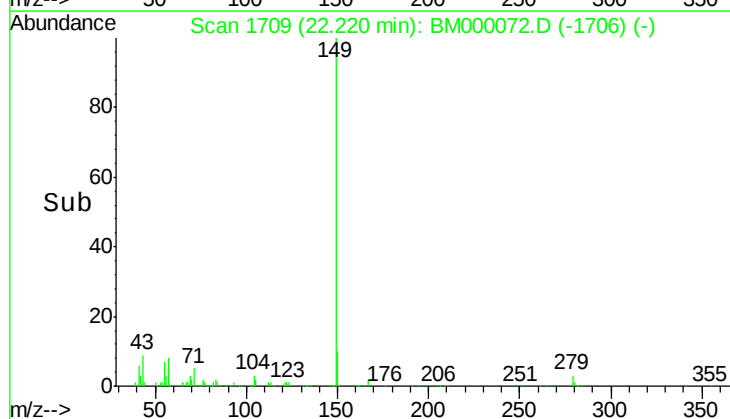
Instrument :
 BNA_M
 ClientSampleId :
 MDL-Soil-6

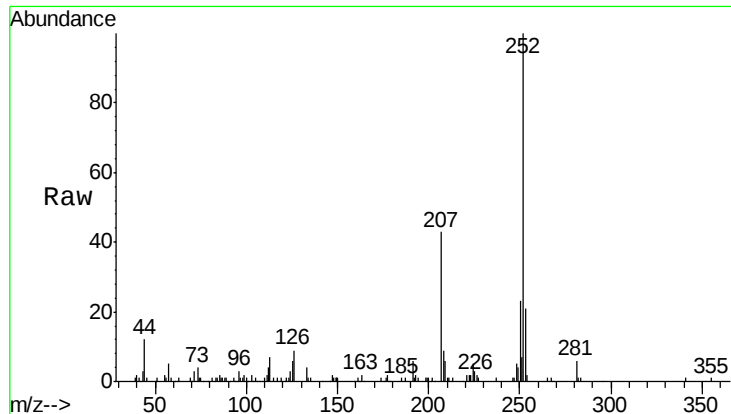
Tgt Ion:228 Resp: 192550
 Ion Ratio Lower Upper
 228 100
 226 28.3 23.0 34.4
 229 18.9 15.6 23.4



#84
 Di-n-octyl phthalate
 Concen: 2.27 ng/ul
 RT: 22.22 min Scan# 1709
 Delta R.T. -0.00 min
 Lab File: BM000072.D
 Acq: 29 Dec 2014 23:17

Tgt Ion:149 Resp: 167026





#85

Benzo(b)fluoranthene

Concen: 2.71 ng/ul

RT: 23.01 min Scan# 1778

Delta R.T. -0.00 min

Lab File: BM000072.D

Acq: 29 Dec 2014 23:17

Instrument :

BNA_M

ClientSampleId :

MDL-Soil-6

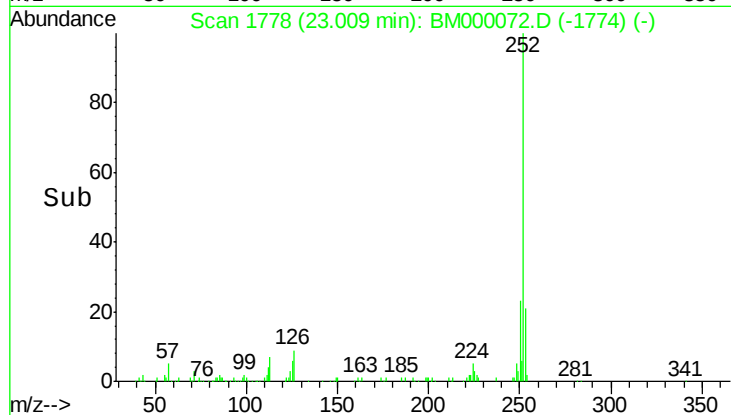
Tgt Ion:252 Resp: 184945

Ion Ratio Lower Upper

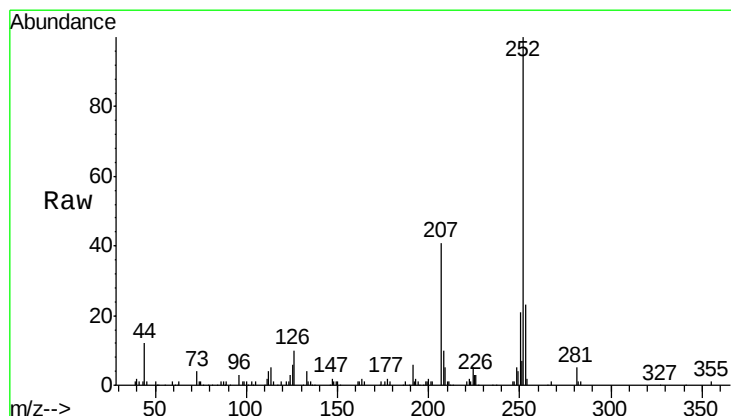
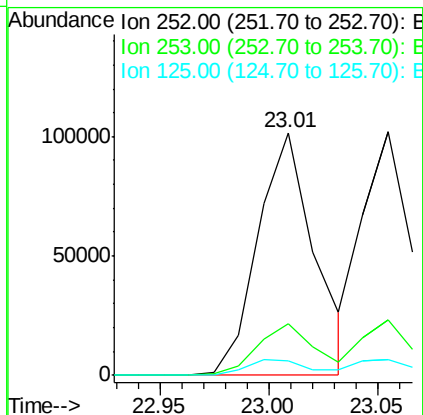
252 100

253 21.2 17.1 25.7

125 5.8 4.8 7.2



Scan 1778 (23.009 min): BM000072.D (-1774) (-)



#86

Benzo(k)fluoranthene

Concen: 2.69 ng/ul

RT: 23.05 min Scan# 1782

Delta R.T. -0.00 min

Lab File: BM000072.D

Acq: 29 Dec 2014 23:17

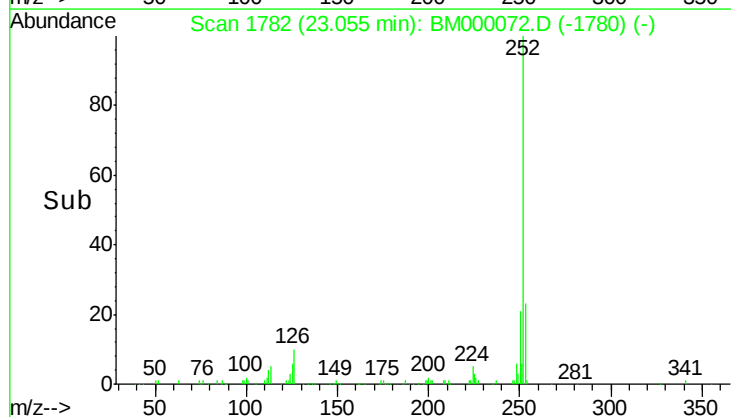
Tgt Ion:252 Resp: 156591

Ion Ratio Lower Upper

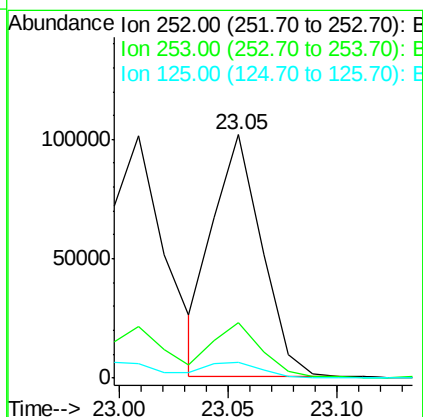
252 100

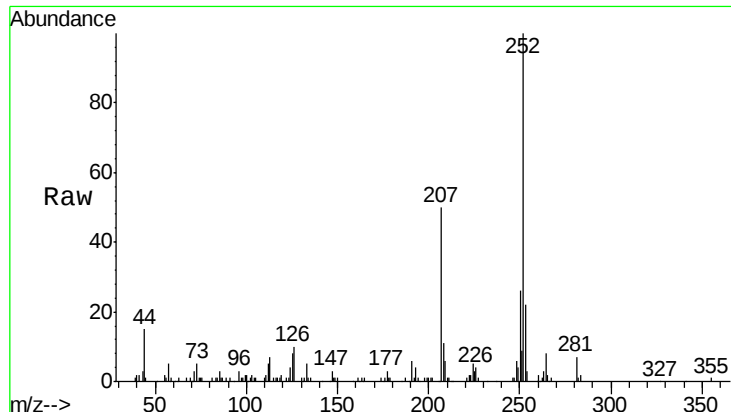
253 22.6 17.2 25.8

125 6.4 4.9 7.3



Scan 1782 (23.055 min): BM000072.D (-1780) (-)

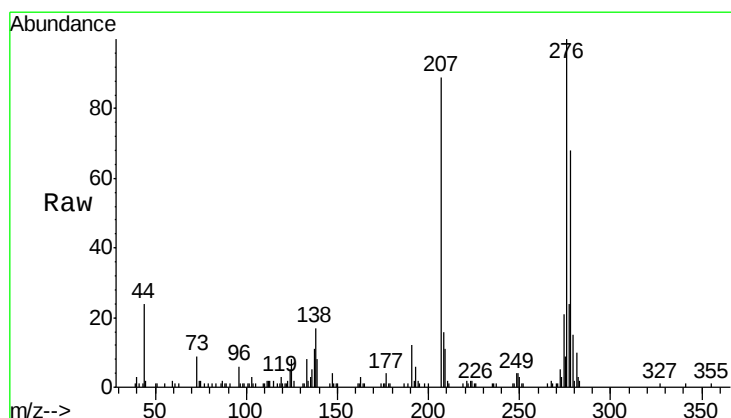
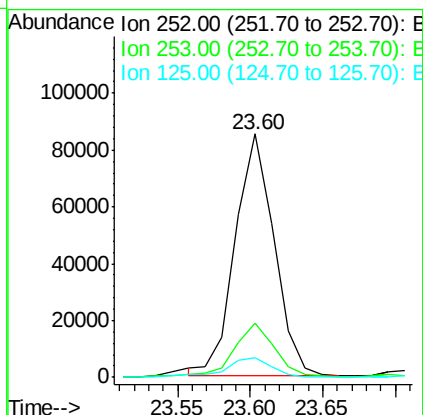
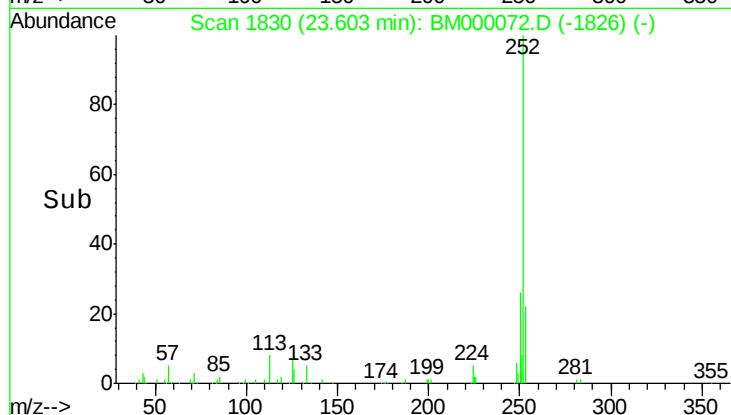




#88
Benzo(a)pyrene
Concen: 2.64 ng/ul
RT: 23.60 min Scan# 1830
Delta R.T. -0.00 min
Lab File: BM000072.D
Acq: 29 Dec 2014 23:17

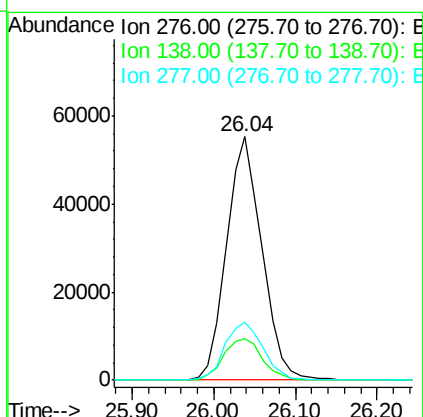
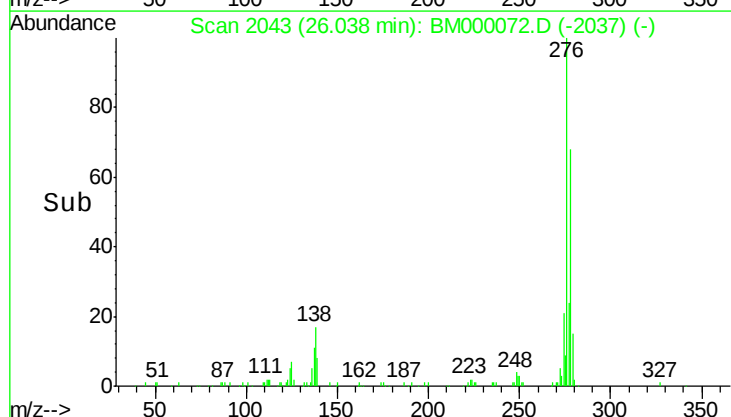
Instrument :
BNA_M
ClientSampleId :
MDL-Soil-6

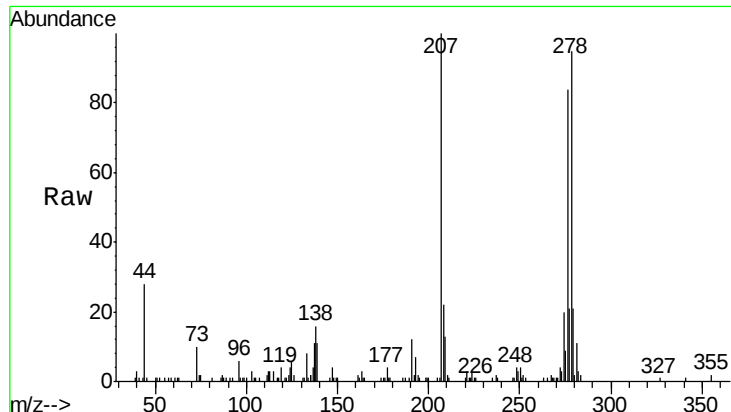
Tgt Ion:252 Resp: 157786
Ion Ratio Lower Upper
252 100
253 22.5 17.0 25.6
125 8.0 5.8 8.6



#89
Indeno(1,2,3-cd)pyrene
Concen: 2.65 ng/ul
RT: 26.04 min Scan# 2043
Delta R.T. -0.01 min
Lab File: BM000072.D
Acq: 29 Dec 2014 23:17

Tgt Ion:276 Resp: 165758
Ion Ratio Lower Upper
276 100
138 16.8 14.2 21.2
277 23.8 18.8 28.2

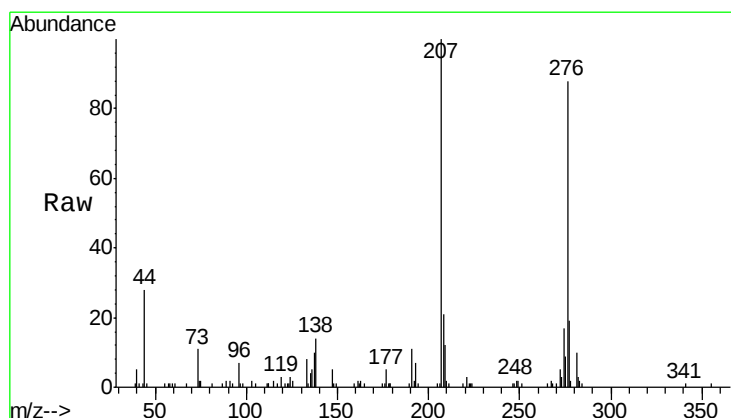
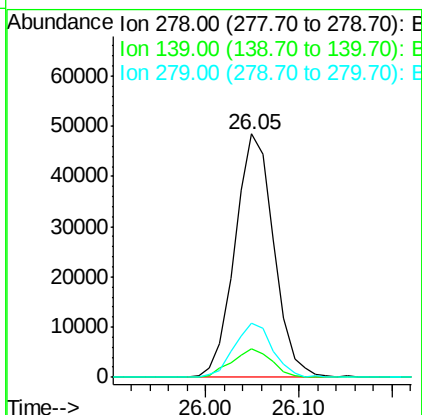
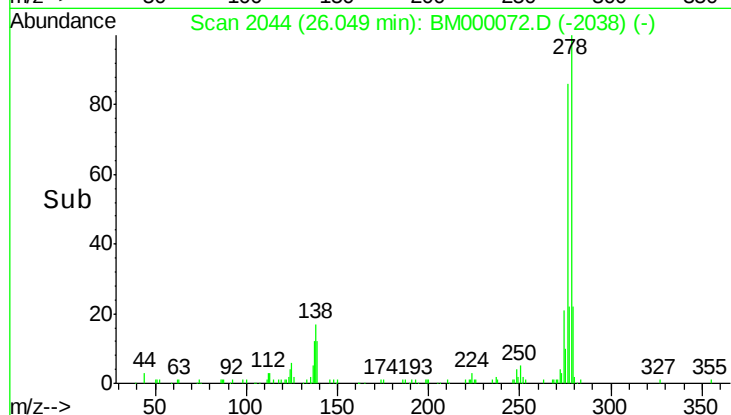




#90
 Dibenzo(a,h)anthracene
 Concen: 2.67 ng/ul
 RT: 26.05 min Scan# 2044
 Delta R.T. -0.01 min
 Lab File: BM000072.D
 Acq: 29 Dec 2014 23:17

Instrument :
 BNA_M
 ClientSampleId :
 MDL-Soil-6

Tgt Ion:278 Resp: 140219
 Ion Ratio Lower Upper
 278 100
 139 11.9 10.2 15.2
 279 22.2 19.2 28.8



#91
 Benzo(g,h,i)perylene
 Concen: 2.63 ng/ul
 RT: 26.75 min Scan# 2105
 Delta R.T. -0.01 min
 Lab File: BM000072.D
 Acq: 29 Dec 2014 23:17

Tgt Ion:276 Resp: 135156
 Ion Ratio Lower Upper
 276 100
 138 16.3 12.1 18.1
 277 22.1 19.0 28.4

