

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122914\
 Data File : BM000068.D
 Acq On : 29 Dec 2014 20:55
 Operator : TP
 Sample : MDL-02-S
 Misc : MDL--SOIL-4PPM
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-Soil-2

Quant Time: Dec 31 03:04:09 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	248360	20.00	ng/ul	0.00
18) Naphthalene-d8	10.64	136	1089103	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.48	164	784103	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.23	188	1584548	20.00	ng/ul	0.00
75) Chrysene-d12	21.41	240	1506453	20.00	ng/ul	0.00
83) Perylene-d12	23.71	264	1172331	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.33	96	37849	8.84	ng/uL	0.00
5) Phenol-d5	7.00	99	619125	28.78	ng/ul	-0.01
7) Bis-(2-Chloroethyl)ether-d	7.18	67	399808	30.40	ng/ul	0.00
9) 2-Chlorophenol-d4	7.37	132	444274	29.00	ng/ul	0.00
13) 4-Methylphenol-d8	8.54	113	487215	28.67	ng/ul	0.00
19) Nitrobenzene-d5	9.00	128	228193	30.30	ng/ul	0.00
22) 2-Nitrophenol-d4	9.72	143	249916	32.55	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.25	165	476880	27.96	ng/ul	0.00
29) 4-Chloroaniline-d4	10.77	131	664465	34.49	ng/ul	0.00
43) Dimethylphthalate-d6	13.89	166	1745777	30.19	ng/ul	0.00
46) Acenaphthylene-d8	14.17	160	2032240	29.33	ng/ul	0.00
51) 4-Nitrophenol-d4	14.67	143	253488	27.13	ng/ul	0.00
57) Fluorene-d10	15.48	176	1440506	29.01	ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	15.58	200	161108	20.50	ng/ul	0.00
70) Anthracene-d10	17.32	188	2199441	30.02	ng/ul	0.00
76) Pyrene-d10	19.61	212	2321577	33.41	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.56	264	1676963	31.70	ng/ul	0.00

Target Compounds

					Qvalue
2) 1,4-Dioxane	3.36	88	14130	2.38 ng/uL#	92
4) Benzaldehyde	6.98	77	38468	2.87 ng/ul	98
6) Phenol	7.03	94	50427	2.25 ng/ul	98
8) Bis(2-Chloroethyl)ether	7.27	93	41658	2.43 ng/ul	97
10) 2-Chlorophenol	7.41	128	37271	2.32 ng/ul	96
11) 2-Methylphenol	8.28	108	38160	2.21 ng/ul	93
12) 2,2'-oxybis(1-Chloropropan	8.38	45	71055	2.58 ng/ul	96
14) Acetophenone	8.66	105	68483	2.36 ng/ul	99
15) N-Nitroso-di-n-propylamine	8.65	70	34594	2.28 ng/ul	95
16) 4-Methylphenol	8.61	108	40760	2.18 ng/ul	93
17) Hexachloroethane	8.93	117	16464	2.25 ng/ul	95
20) Nitrobenzene	9.04	77	57079	2.54 ng/ul	94
21) Isophorone	9.57	82	94911	2.19 ng/ul	98
23) 2-Nitrophenol	9.75	139	20809	2.45 ng/ul#	85
24) 2,4-Dimethylphenol	9.81	107	55369	2.40 ng/ul	96
25) Bis(2-Chloroethoxy)methane	10.05	93	55702	2.31 ng/ul#	94
27) 2,4-Dichlorophenol	10.28	162	40727	2.40 ng/ul#	83
28) Naphthalene	10.69	128	127836	2.30 ng/ul	98
30) 4-Chloroaniline	10.79	127	48351	2.43 ng/ul	94
31) Hexachlorobutadiene	10.97	225	29194	2.43 ng/ul	98
32) Caprolactam	11.58	113	10029	1.78 ng/ul	92
33) 4-Chloro-3-methylphenol	11.91	107	44831	2.16 ng/ul	97
34) 2-Methylnaphthalene	12.30	142	97583	2.37 ng/ul	99

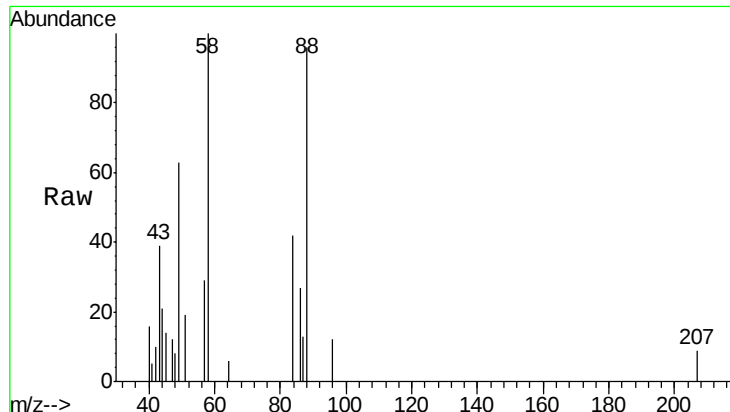
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	12.67	216	50060	2.30	ng/ul#	96
37) Hexachlorocyclopentadiene	12.65	237	26662	1.86	ng/ul	94
38) 2,4,6-Trichlorophenol	12.91	196	28896	2.08	ng/ul	94
39) 2,4,5-Trichlorophenol	12.97	196	33037	2.19	ng/ul	94
40) 1,1'-Biphenyl	13.32	154	131482	2.33	ng/ul	99
41) 2-Chloronaphthalene	13.35	162	104542	2.41	ng/ul	97
42) 2-Nitroaniline	13.56	65	27741	1.98	ng/ul	92
44) Dimethylphthalate	13.93	163	138333	2.40	ng/ul	98
45) 2,6-Dinitrotoluene	14.05	165	21405	2.08	ng/ul#	84
47) Acenaphthylene	14.20	152	169296	2.32	ng/ul	99
48) 3-Nitroaniline	14.38	138	22206	2.10	ng/ul#	92
49) Acenaphthene	14.54	153	106511	2.29	ng/ul	97
50) 2,4-Dinitrophenol	14.59	184	5183	0.99	ng/ul	95
52) 4-Nitrophenol	14.68	109	26721	2.15	ng/ul	90
53) Dibenzofuran	14.87	168	156445	2.32	ng/ul	97
54) 2,4-Dinitrotoluene	14.84	165	32378	2.11	ng/ul	88
55) 2,3,4,6-Tetrachlorophenol	15.10	232	27056	2.08	ng/ul#	98
56) Diethylphthalate	15.29	149	140614	2.32	ng/ul	97
58) Fluorene	15.52	166	133646	2.39	ng/ul	99
59) 4-Chlorophenyl-phenylether	15.52	204	67240	2.44	ng/ul	94
60) 4-Nitroaniline	15.53	138	25459	2.14	ng/ul	93
63) 4,6-Dinitro-2-methylphenol	15.59	198	14730	1.83	ng/ul#	41
64) N-Nitrosodiphenylamine	15.73	169	110265	2.40	ng/ul	99
65) 4-Bromophenyl-phenylether	16.41	248	39277	2.43	ng/ul#	87
66) Hexachlorobenzene	16.53	284	45218	2.43	ng/ul	95
67) Atrazine	16.68	200	39112	2.16	ng/ul	95
68) Pentachlorophenol	16.87	266	18582	1.64	ng/ul	92
69) Phenanthrene	17.26	178	211327	2.46	ng/ul	99
71) Anthracene	17.35	178	206818	2.35	ng/ul	99
72) Carbazole	17.61	167	189344	2.38	ng/ul	99
73) Di-n-butylphthalate	18.19	149	211527	2.23	ng/ul	98
74) Fluoranthene	19.27	202	243959	2.48	ng/ul#	94
77) Pyrene	19.64	202	250327	2.76	ng/ul#	95
78) Butylbenzylphthalate	20.54	149	81057	2.20	ng/ul	89
79) 3,3'-Dichlorobenzidine	21.33	252	52593	1.91	ng/ul#	97
80) Benzo(a)anthracene	21.39	228	218981	2.52	ng/ul	98
81) Bis(2-ethylhexyl)phthalate	21.32	149	112399	2.09	ng/ul#	99
82) Chrysene	21.44	228	195131	2.43	ng/ul	100
84) Di-n-octyl phthalate	22.22	149	160657	1.99	ng/ul	100
85) Benzo(b)fluoranthene	23.01	252	183585	2.45	ng/ul	97
86) Benzo(k)fluoranthene	23.05	252	155440	2.43	ng/ul	99
88) Benzo(a)pyrene	23.60	252	158866	2.42	ng/ul	98
89) Indeno(1,2,3-cd)pyrene	26.04	276	154224	2.25	ng/ul	96
90) Dibenzo(a,h)anthracene	26.05	278	131738	2.28	ng/ul	98
91) Benzo(g,h,i)perylene	26.76	276	124736	2.21	ng/ul	97

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



#2

1,4-Dioxane

Concen: 2.38 ng/uL

RT: 3.36 min Scan# 59

Delta R.T. -0.00 min

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MDL-Soil-2

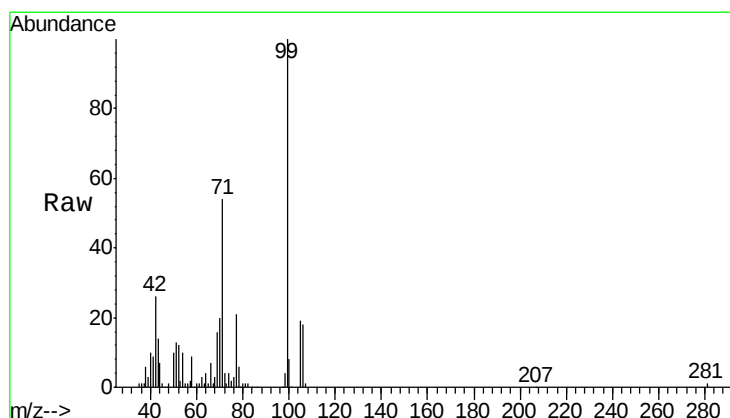
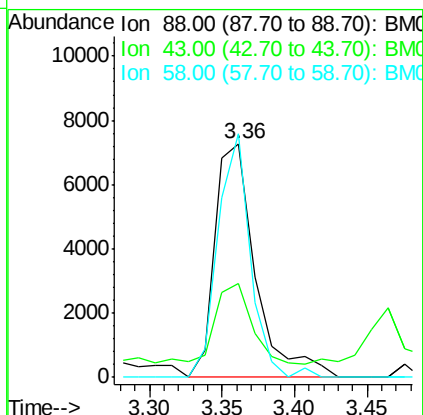
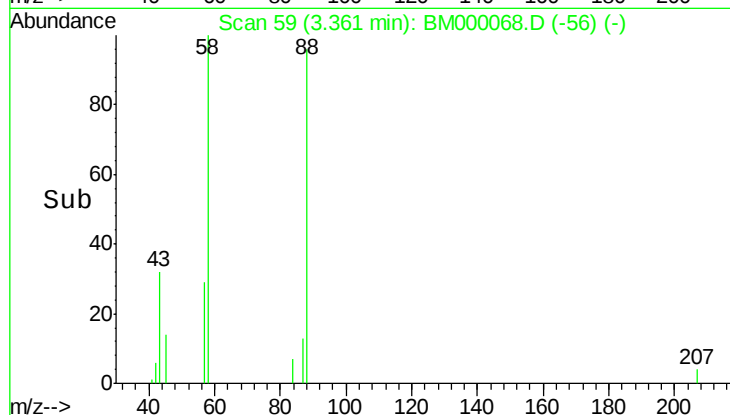
Tgt Ion: 88 Resp: 14130

Ion Ratio Lower Upper

88 100

43 30.8 34.9 52.3#

58 82.0 67.3 100.9



#4

Benzaldehyde

Concen: 2.87 ng/uL

RT: 6.98 min Scan# 376

Delta R.T. -0.00 min

Lab File: BM000068.D

Acq: 29 Dec 2014 20:55

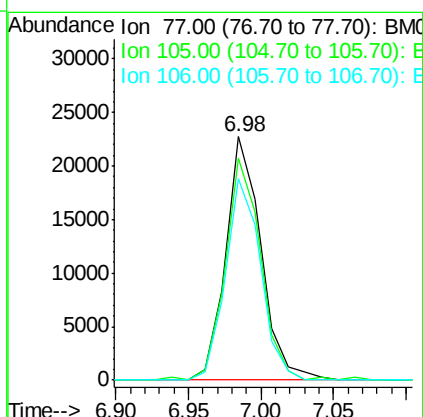
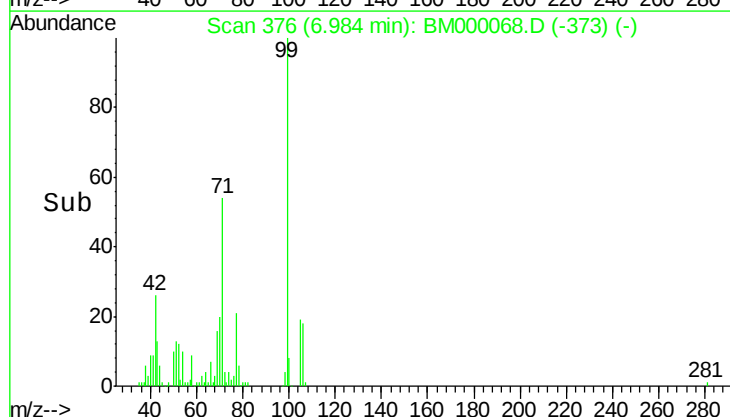
Tgt Ion: 77 Resp: 38468

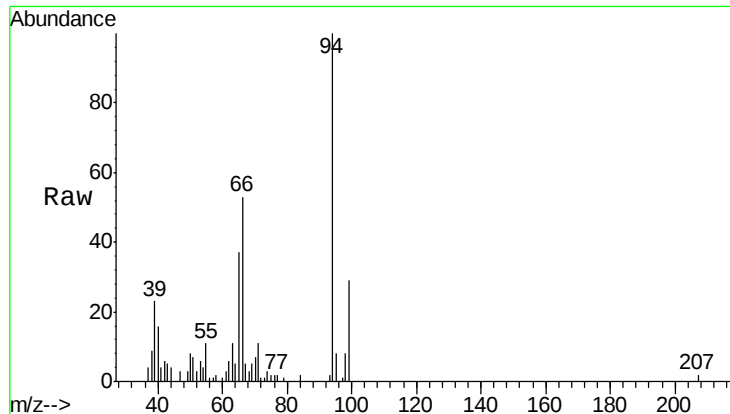
Ion Ratio Lower Upper

77 100

105 91.0 73.5 110.3

106 82.6 67.9 101.9





#6

Phenol

Concen: 2.25 ng/ul

RT: 7.03 min Scan# 380

Delta R.T. -0.00 min

Lab File: BM000068.D

Acq: 29 Dec 2014 20:55

Instrument :

BNA_M

ClientSampleId :

MDL-Soil-2

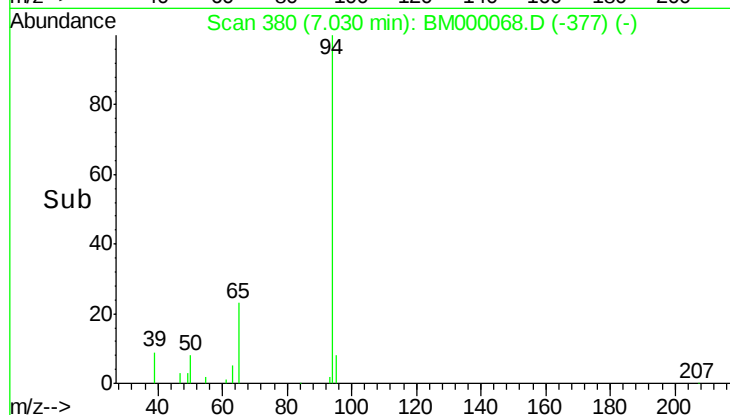
Tgt Ion: 94 Resp: 50427

Ion Ratio Lower Upper

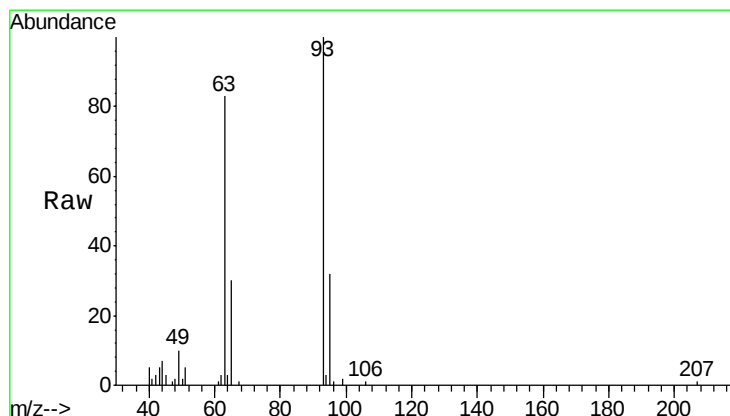
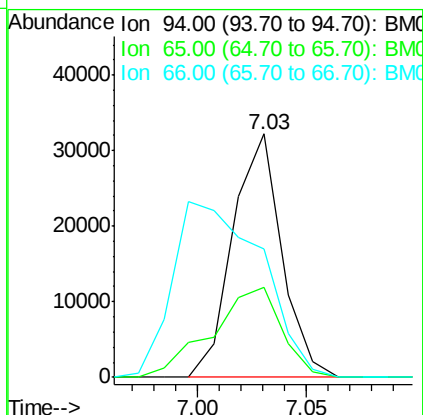
94 100

65 37.0 27.4 41.0

66 52.6 42.5 63.7



Scan 380 (7.030 min): BM000068.D (-377) (-)



#8

Bis(2-Chloroethyl)ether

Concen: 2.43 ng/ul

RT: 7.27 min Scan# 401

Delta R.T. -0.00 min

Lab File: BM000068.D

Acq: 29 Dec 2014 20:55

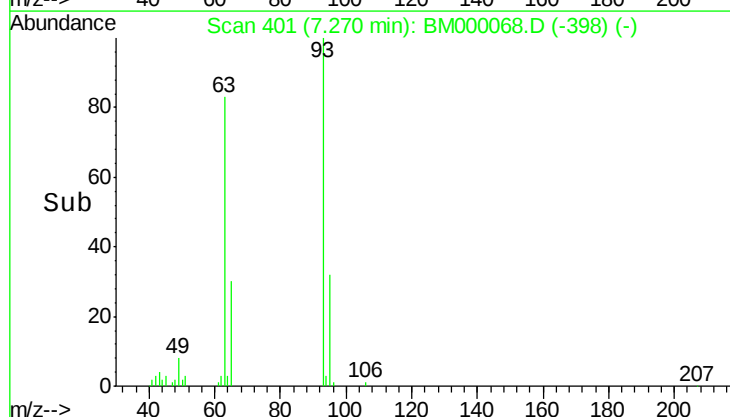
Tgt Ion: 93 Resp: 41658

Ion Ratio Lower Upper

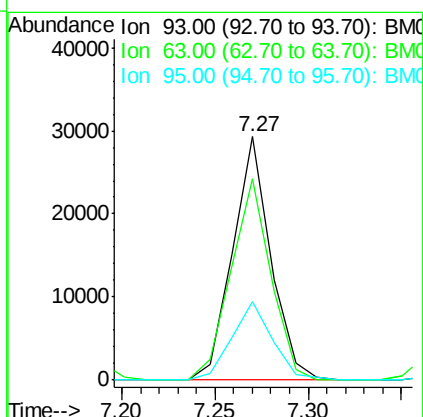
93 100

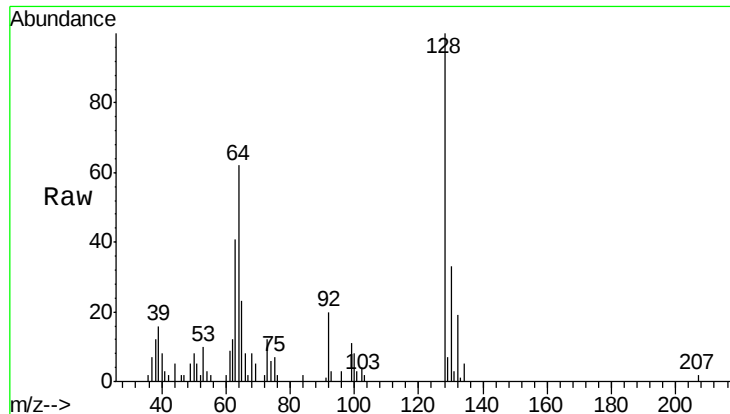
63 82.7 68.9 103.3

95 32.2 24.6 37.0



Scan 401 (7.270 min): BM000068.D (-398) (-)

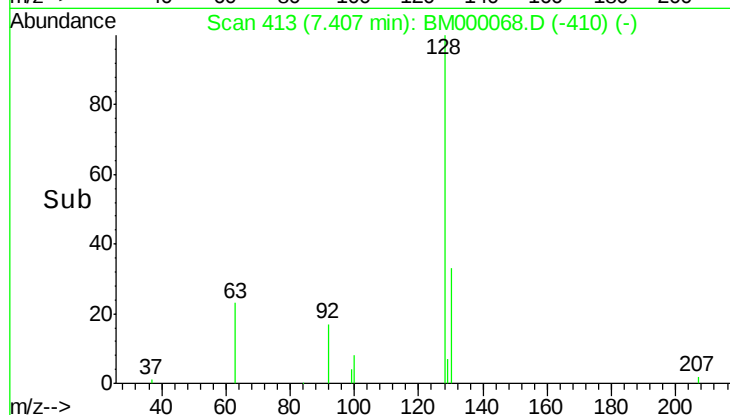




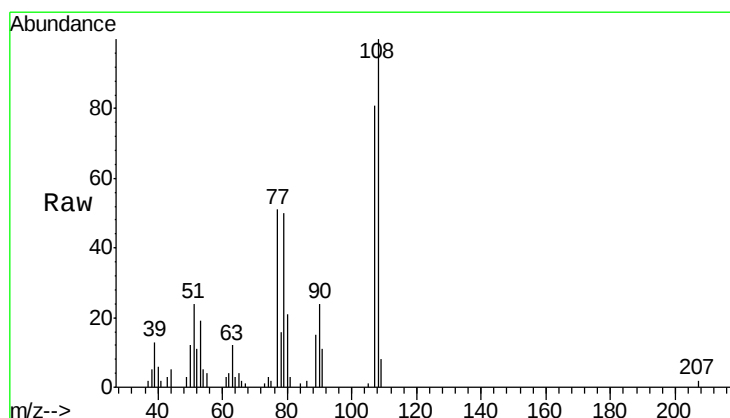
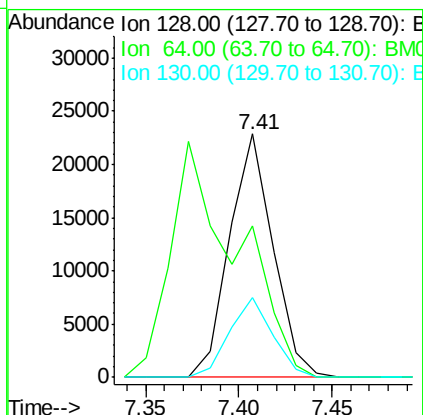
#10
2-Chlorophenol
Concen: 2.32 ng/ul
RT: 7.41 min Scan# 413
Delta R.T. -0.00 min
Lab File: BM000068.D
Acq: 29 Dec 2014 20:55

Instrument :
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ClientSampleId :
MDL-Soil-2

Tgt Ion:128 Resp: 37271
Ion Ratio Lower Upper
128 100
64 62.2 47.2 70.8
130 32.7 25.2 37.8

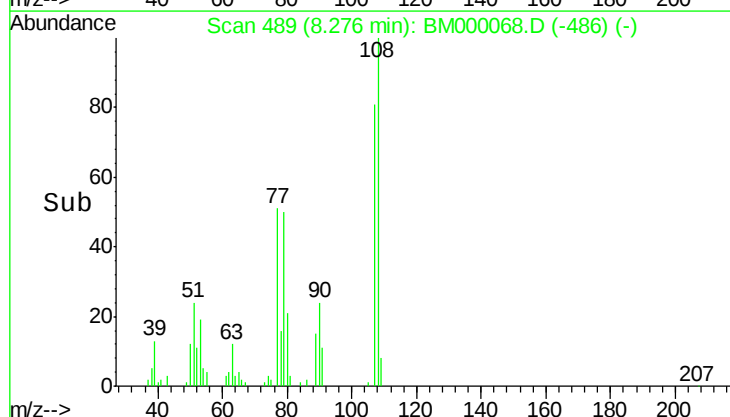


Scan 413 (7.407 min): BM000068.D (-410) (-)

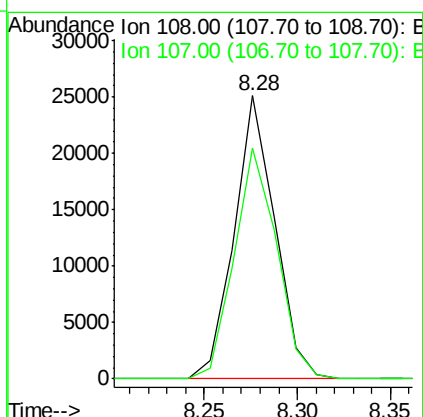


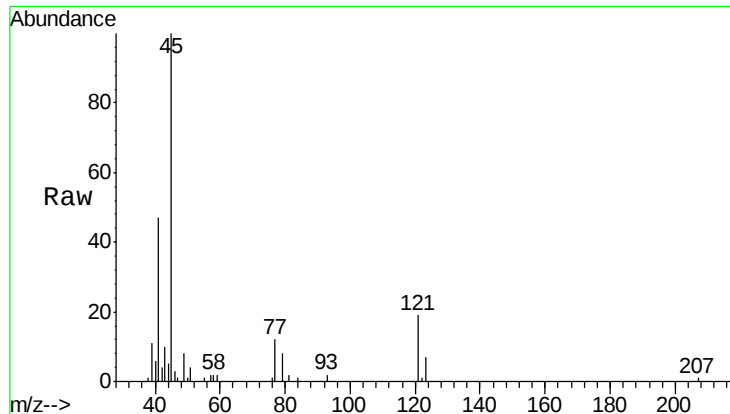
#11
2-Methylphenol
Concen: 2.21 ng/ul
RT: 8.28 min Scan# 489
Delta R.T. -0.00 min
Lab File: BM000068.D
Acq: 29 Dec 2014 20:55

Tgt Ion:108 Resp: 38160
Ion Ratio Lower Upper
108 100
107 81.5 70.7 106.1



Scan 489 (8.276 min): BM000068.D (-486) (-)

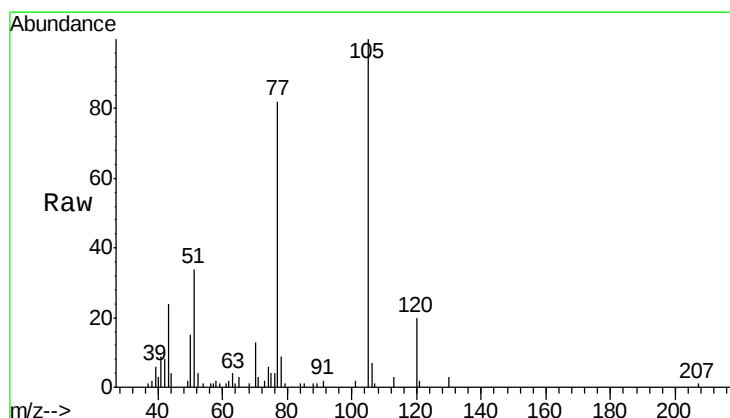
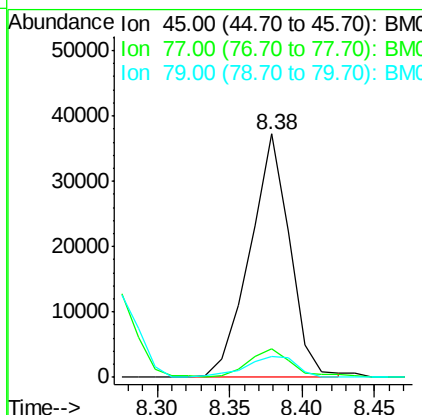
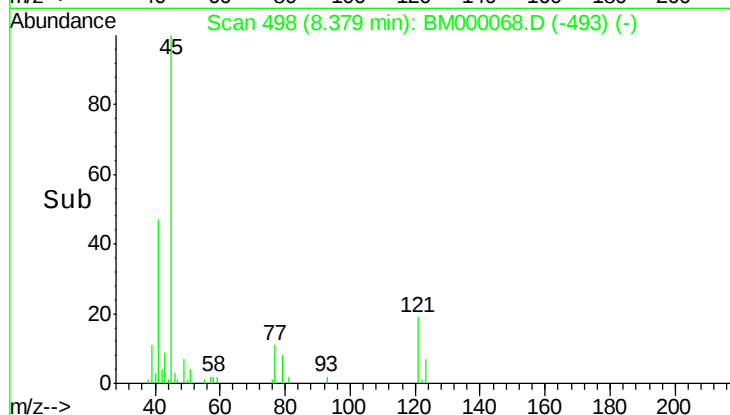




#12
 2,2'-oxybis(1-Chloropropane)
 Concen: 2.58 ng/ul
 RT: 8.38 min Scan# 498
 Delta R.T. -0.00 min
 Lab File: BM000068.D
 Acq: 29 Dec 2014 20:55

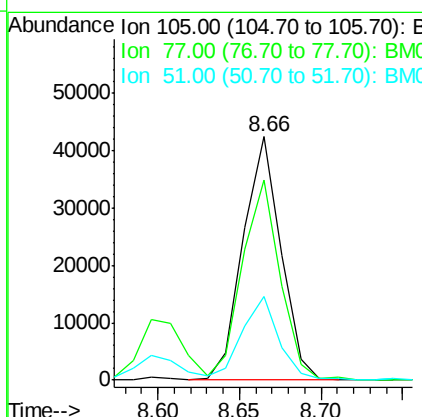
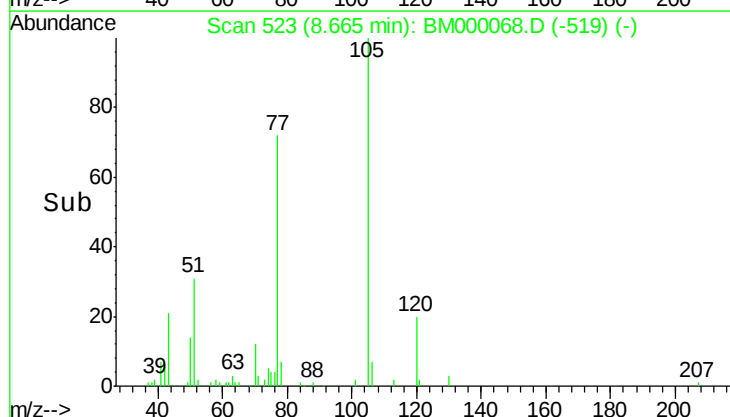
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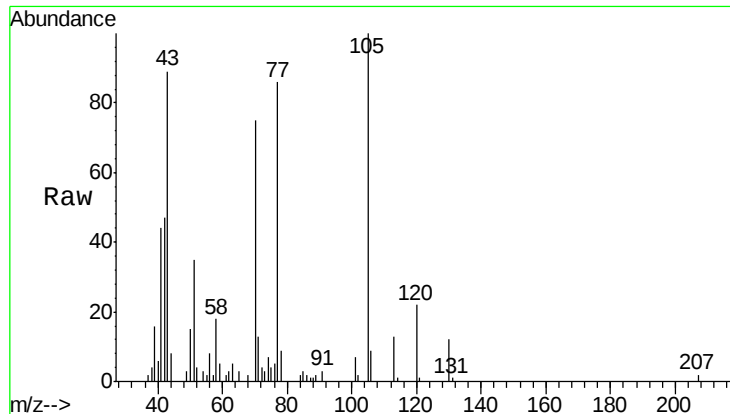
Tgt Ion:	45	Resp:	71055
Ion	Ratio	Lower	Upper
45	100		
77	11.6	9.9	14.9
79	8.4	8.3	12.5



#14
 Acetophenone
 Concen: 2.36 ng/ul
 RT: 8.66 min Scan# 523
 Delta R.T. -0.00 min
 Lab File: BM000068.D
 Acq: 29 Dec 2014 20:55

Tgt Ion:	105	Resp:	68483
Ion	Ratio	Lower	Upper
105	100		
77	82.2	66.3	99.5
51	34.1	26.5	39.7

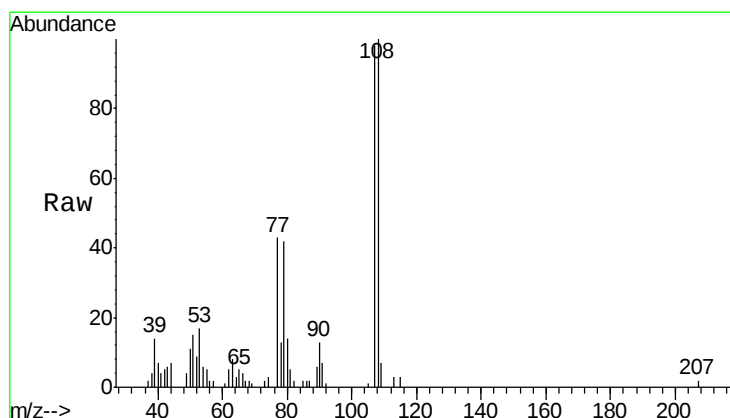
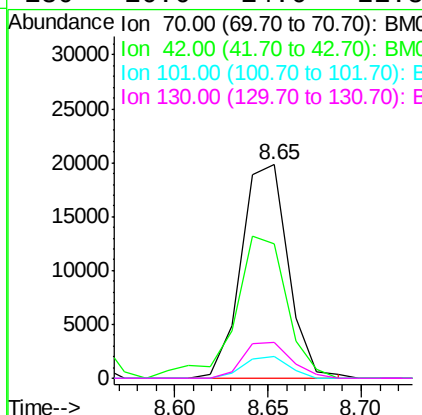
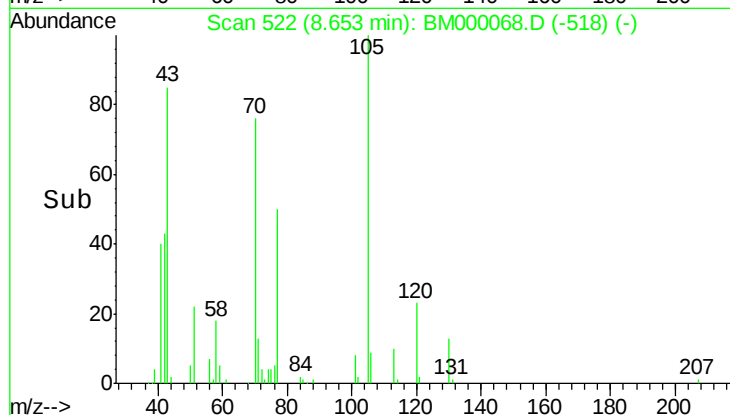




#15
N-Nitroso-di-n-propylamine
Concen: 2.28 ng/ul
RT: 8.65 min Scan# 522
Delta R.T. -0.00 min
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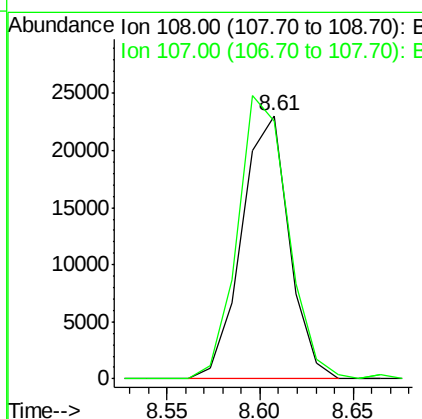
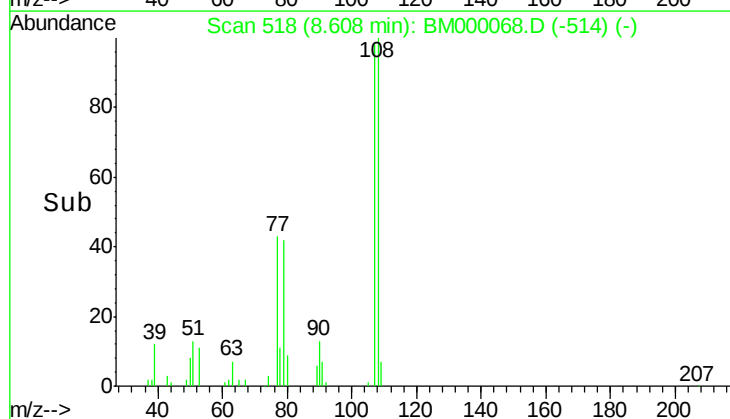
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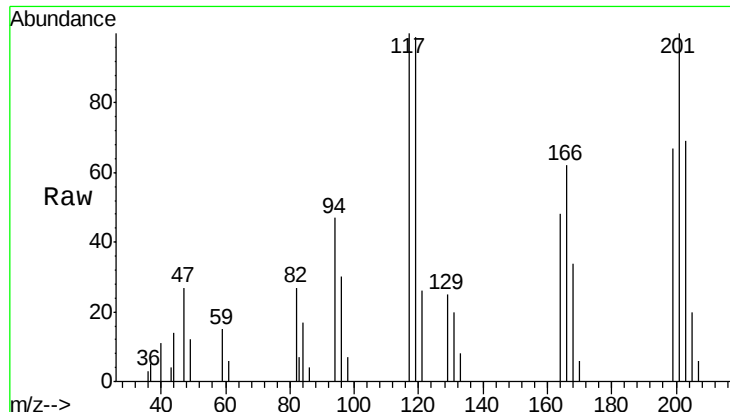
Tgt Ion:	70	Resp:	34594
Ion	Ratio	Lower	Upper
70	100		
42	62.9	46.4	69.6
101	10.0	7.8	11.8
130	16.6	14.6	21.8



#16
4-Methylphenol
Concen: 2.18 ng/ul
RT: 8.61 min Scan# 518
Delta R.T. -0.00 min
Lab File: BM000068.D
Acq: 29 Dec 2014 20:55

Tgt Ion:	108	Resp:	40760
Ion	Ratio	Lower	Upper
108	100		
107	98.0	84.0	126.0

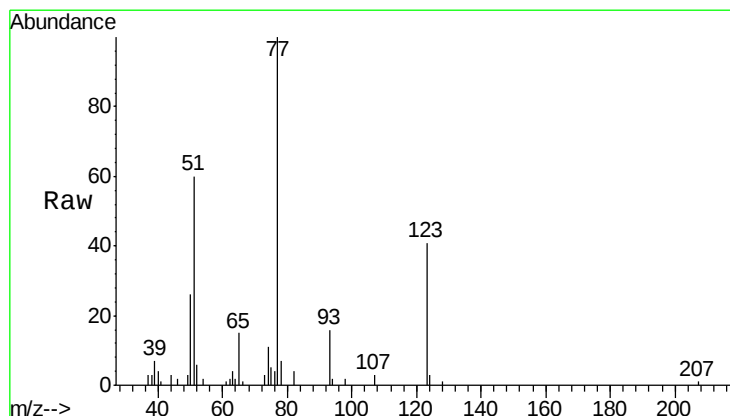
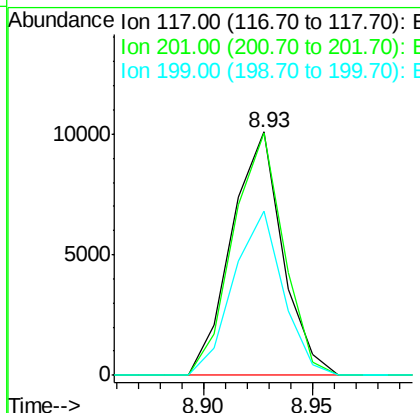
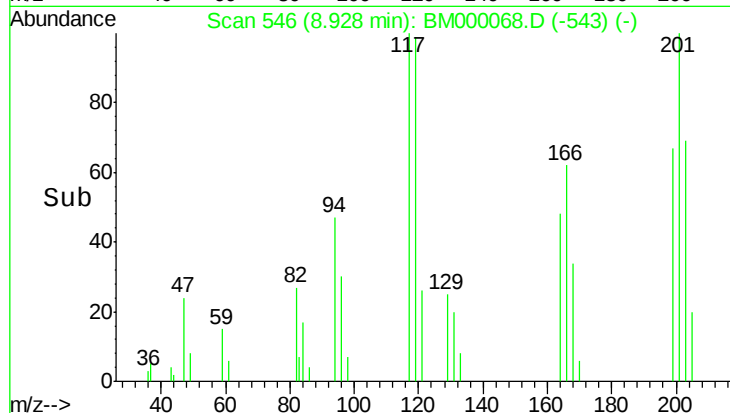




#17
 Hexachloroethane
 Concen: 2.25 ng/ul
 RT: 8.93 min Scan# 546
 Delta R.T. -0.00 min
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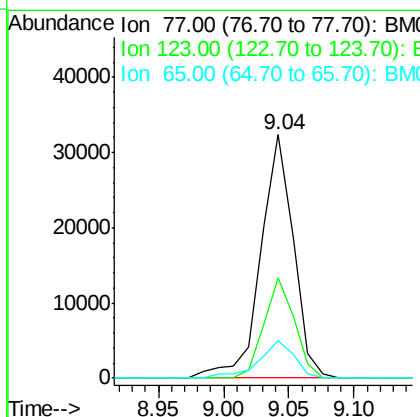
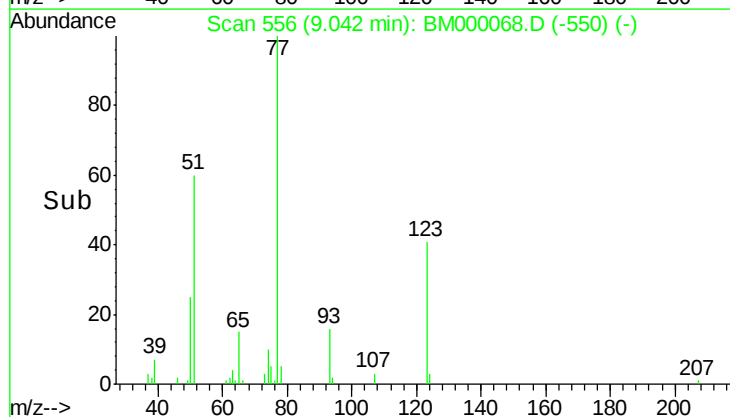
Instrument :
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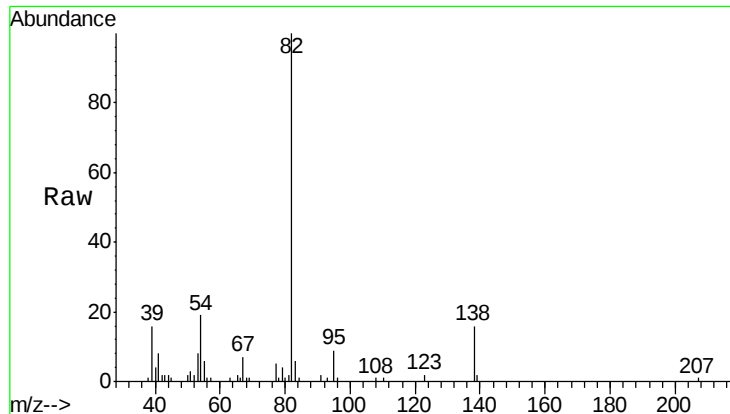
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 Ion Ratio Lower Upper
 117 100
 201 99.6 85.2 127.8
 199 67.3 55.1 82.7



#20
 Nitrobenzene
 Concen: 2.54 ng/ul
 RT: 9.04 min Scan# 556
 Delta R.T. -0.00 min
 Lab File: BM000068.D
 Acq: 29 Dec 2014 20:55

Tgt Ion: 77 Resp: 57079
 Ion Ratio Lower Upper
 77 100
 123 41.2 29.2 43.8
 65 15.5 12.4 18.6

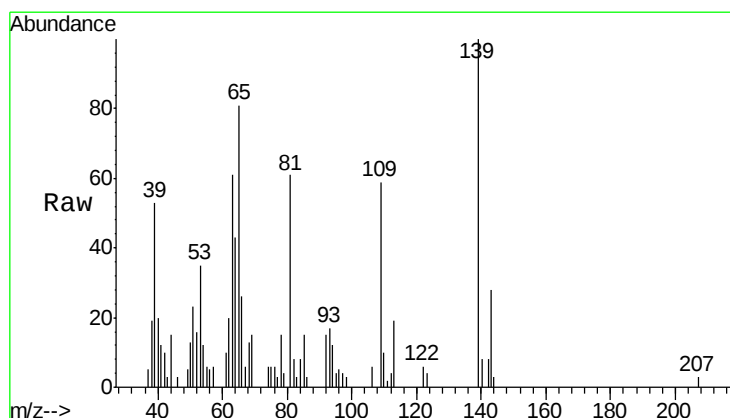
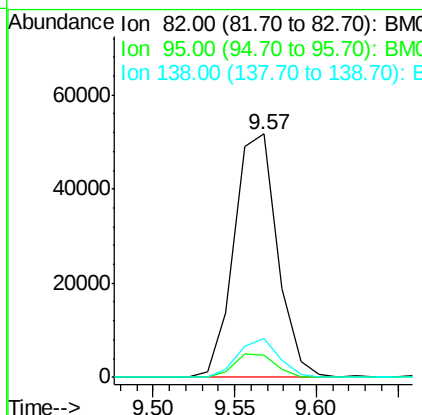
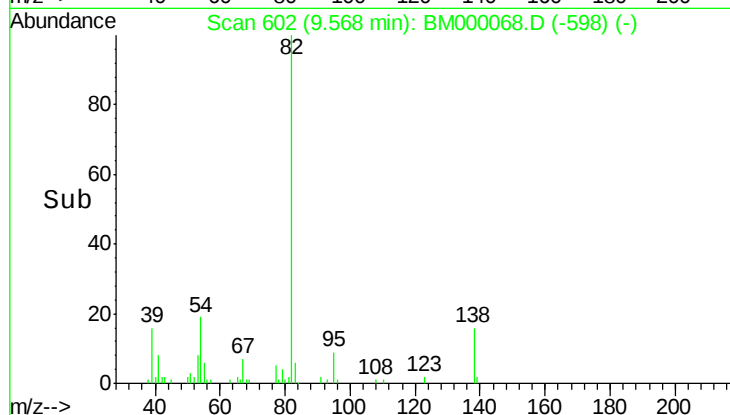




#21
Isophorone
Concen: 2.19 ng/ul
RT: 9.57 min Scan# 602
Delta R.T. -0.00 min
Lab File: BM000068.D
Acq: 29 Dec 2014 20:55

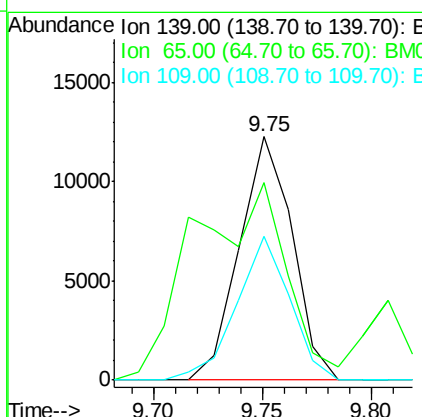
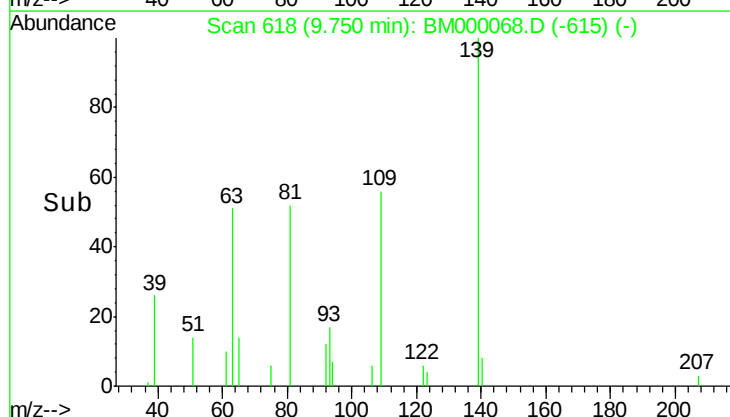
Instrument :
BNA_M
ClientSampleId :
MDL-Soil-2

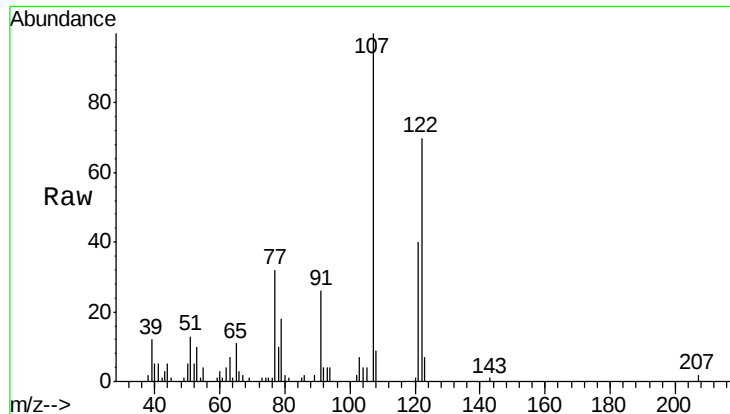
Tgt Ion: 82 Resp: 94911
Ion Ratio Lower Upper
82 100
95 9.3 6.9 10.3
138 15.9 12.1 18.1



#23
2-Nitrophenol
Concen: 2.45 ng/ul
RT: 9.75 min Scan# 618
Delta R.T. -0.00 min
Lab File: BM000068.D
Acq: 29 Dec 2014 20:55

Tgt Ion: 139 Resp: 20809
Ion Ratio Lower Upper
139 100
65 80.9 56.3 84.5
109 59.1 37.1 55.7#

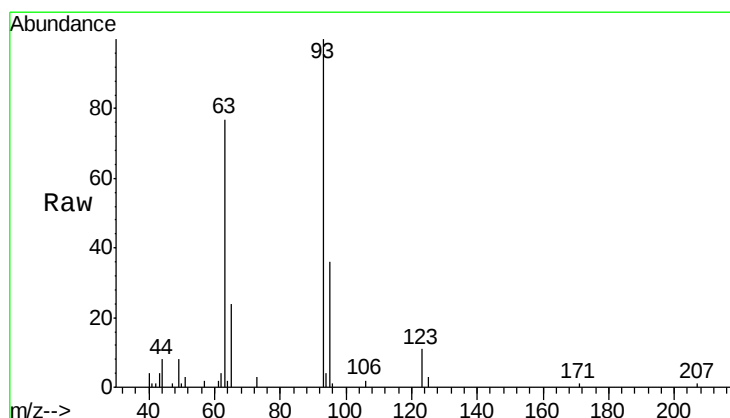
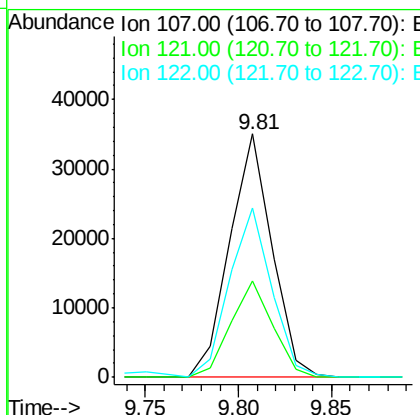
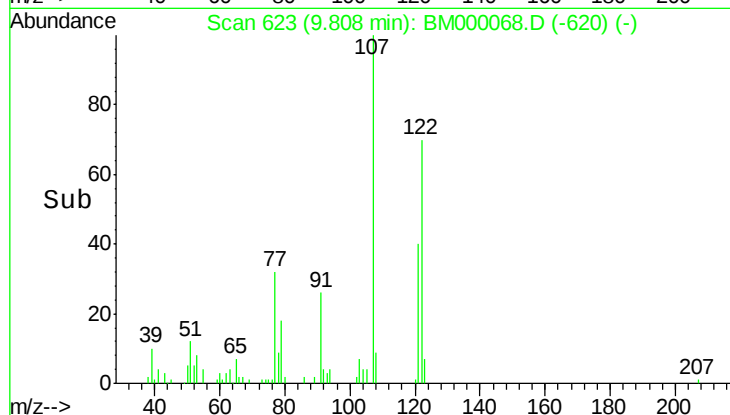




#24
 2,4-Dimethylphenol
 Concen: 2.40 ng/ul
 RT: 9.81 min Scan# 623
 Delta R.T. -0.00 min
 Lab File: BM000068.D
 Acq: 29 Dec 2014 20:55

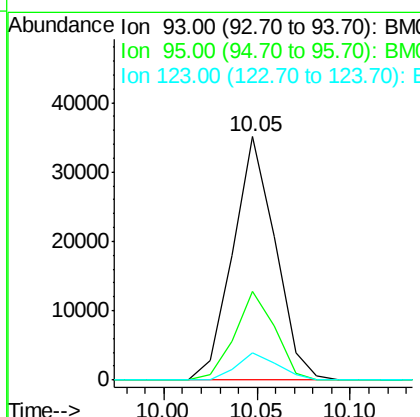
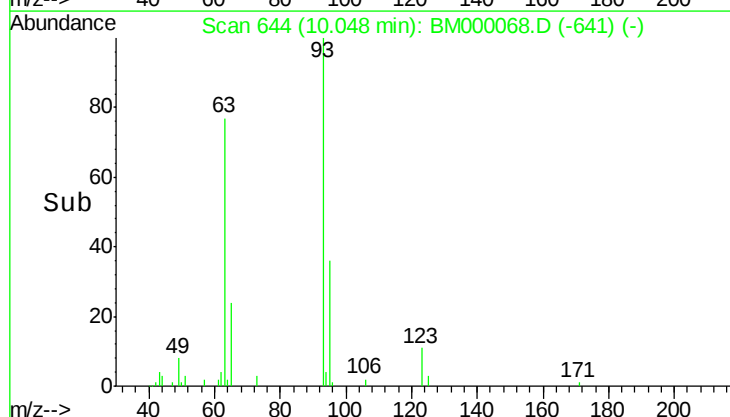
Instrument :
 BNA_M
 ClientSampleId :
 MDL-Soil-2

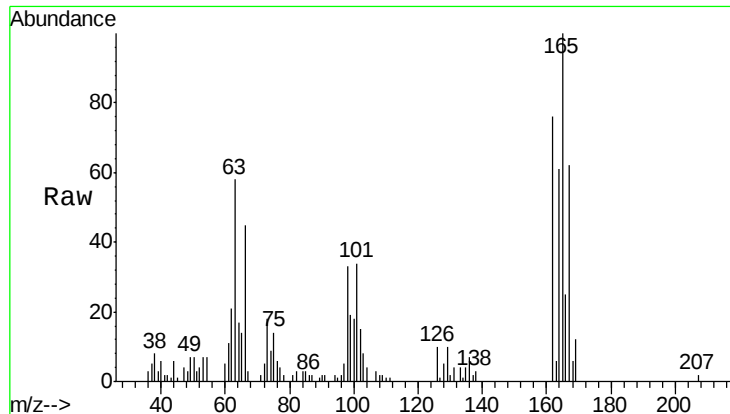
Tgt Ion: 107 Resp: 55369
 Ion Ratio Lower Upper
 107 100
 121 39.7 33.0 49.6
 122 69.8 59.3 88.9



#25
 Bis(2-Chloroethoxy)methane
 Concen: 2.31 ng/ul
 RT: 10.05 min Scan# 644
 Delta R.T. -0.00 min
 Lab File: BM000068.D
 Acq: 29 Dec 2014 20:55

Tgt Ion: 93 Resp: 55702
 Ion Ratio Lower Upper
 93 100
 95 36.3 26.1 39.1
 123 11.4 7.4 11.2#

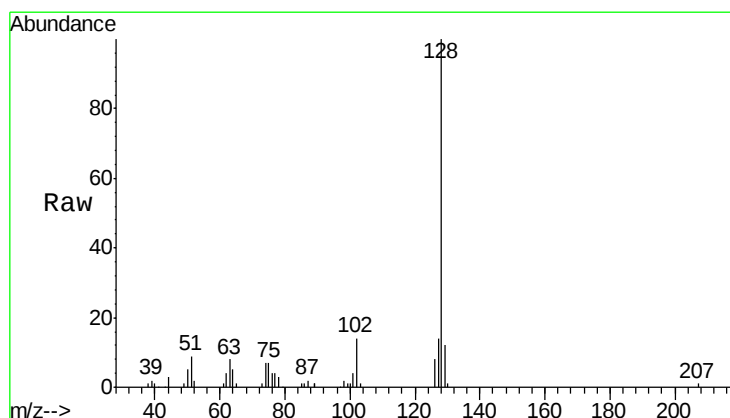
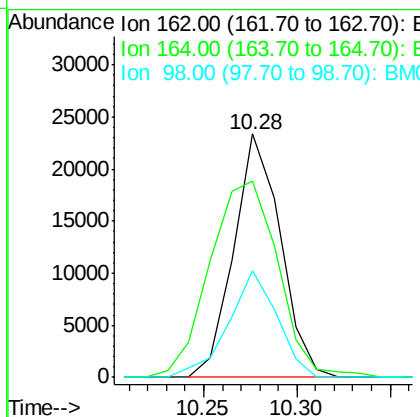
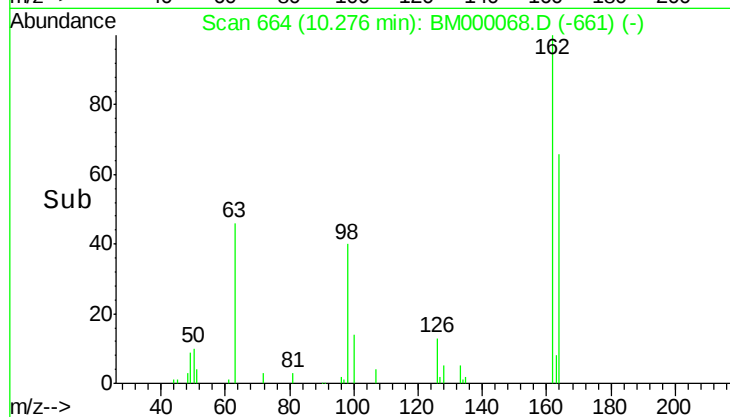




#27
 2,4-Dichlorophenol
 Concen: 2.40 ng/ul
 RT: 10.28 min Scan# 664
 Delta R.T. -0.00 min
 Lab File: BM000068.D
 Acq: 29 Dec 2014 20:55

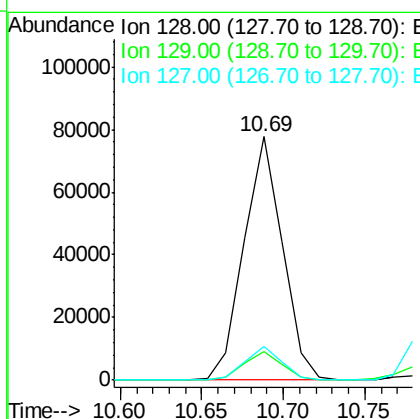
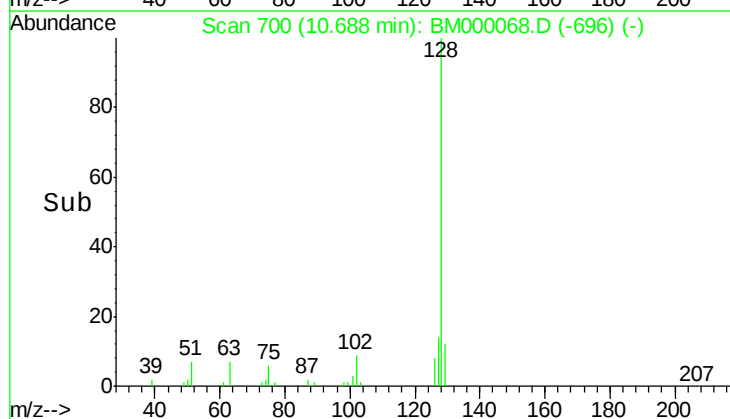
Instrument :
 BNA_M
 ClientSampleId :
 MDL-Soil-2

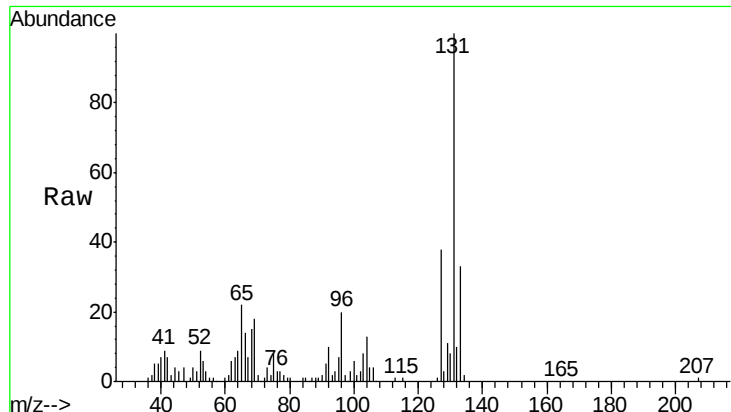
Tgt Ion:162 Resp: 40727
 Ion Ratio Lower Upper
 162 100
 164 80.9 50.2 75.4#
 98 43.9 31.4 47.2



#28
 Naphthalene
 Concen: 2.30 ng/ul
 RT: 10.69 min Scan# 700
 Delta R.T. -0.00 min
 Lab File: BM000068.D
 Acq: 29 Dec 2014 20:55

Tgt Ion:128 Resp: 127836
 Ion Ratio Lower Upper
 128 100
 129 11.6 8.6 13.0
 127 13.7 10.3 15.5

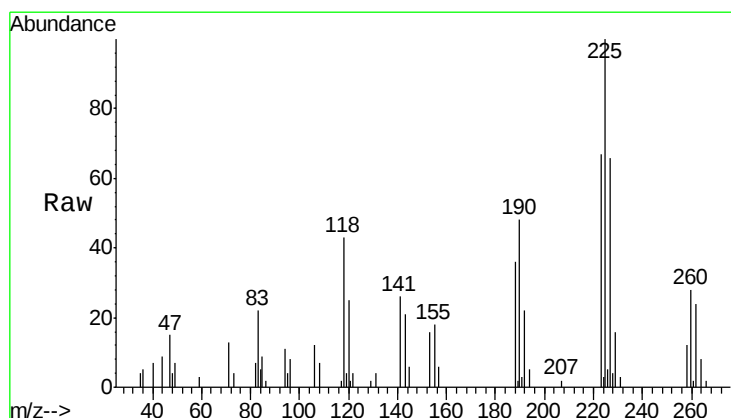
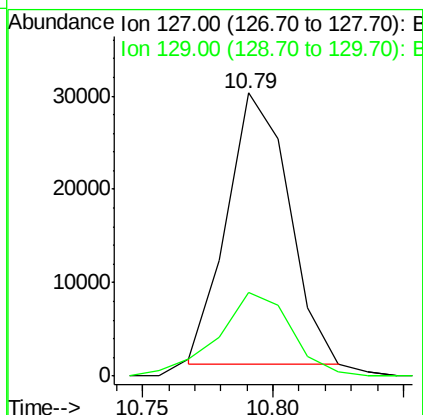
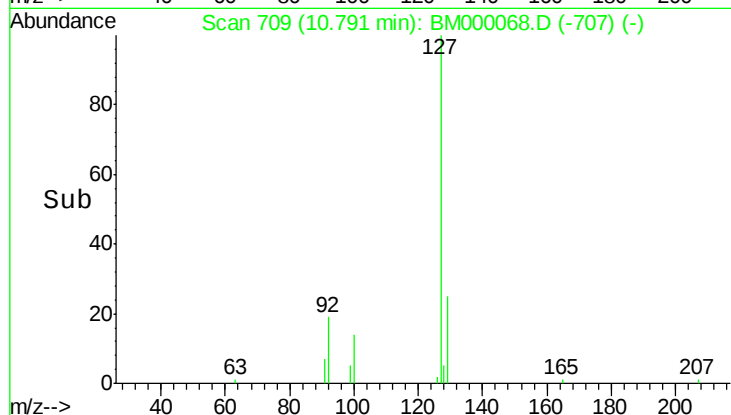




#30
 4-Chloroaniline
 Concen: 2.43 ng/ul
 RT: 10.79 min Scan# 709
 Delta R.T. -0.00 min
 Lab File: BM000068.D
 Acq: 29 Dec 2014 20:55

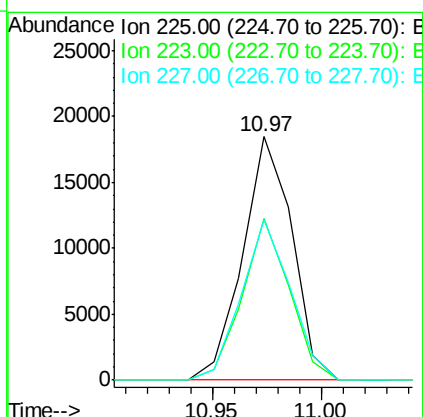
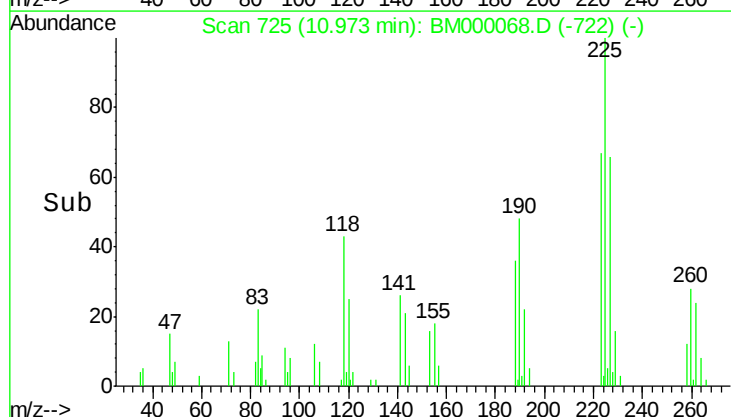
Instrument :
 BNA_M
 ClientSampleId :
 MDL-Soil-2

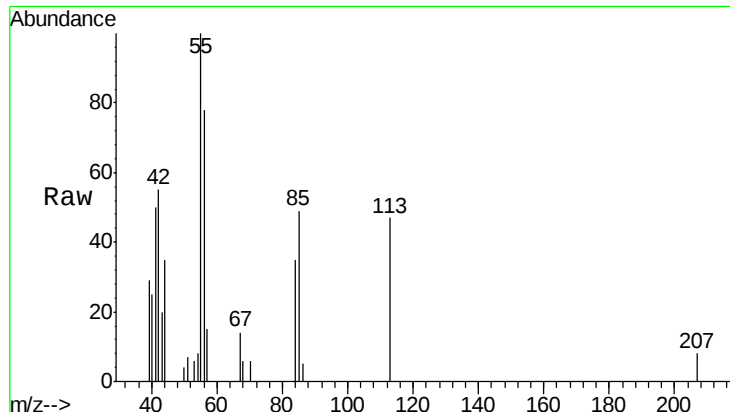
Tgt Ion:127 Resp: 48351
 Ion Ratio Lower Upper
 127 100
 129 29.5 26.5 39.7



#31
 Hexachlorobutadiene
 Concen: 2.43 ng/ul
 RT: 10.97 min Scan# 725
 Delta R.T. -0.00 min
 Lab File: BM000068.D
 Acq: 29 Dec 2014 20:55

Tgt Ion:225 Resp: 29194
 Ion Ratio Lower Upper
 225 100
 223 66.5 54.4 81.6
 227 65.9 51.8 77.8

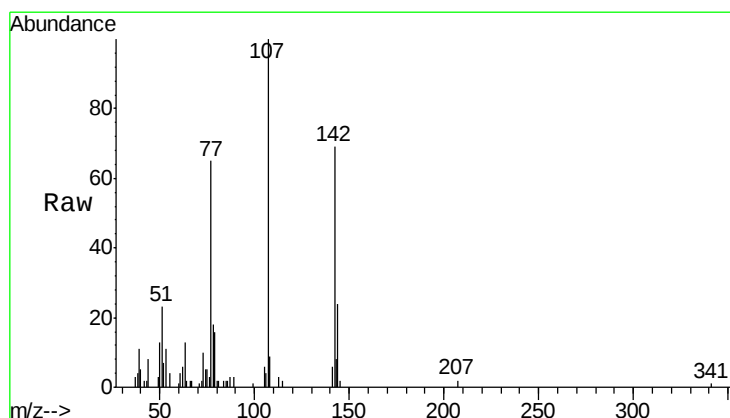
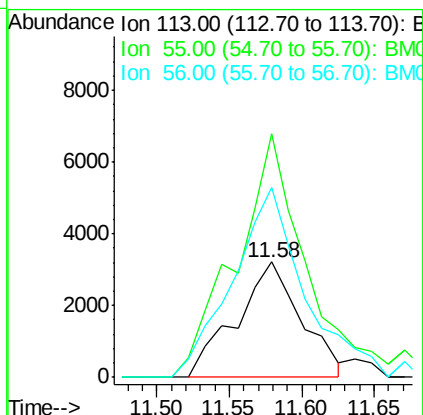
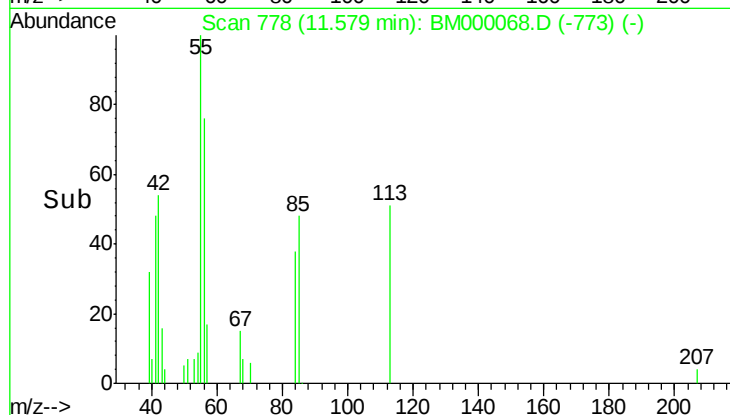




#32
 Caprolactam
 Concen: 1.78 ng/ul
 RT: 11.58 min Scan# 778
 Delta R.T. 0.03 min
 Lab File: BM000068.D
 Acq: 29 Dec 2014 20:55

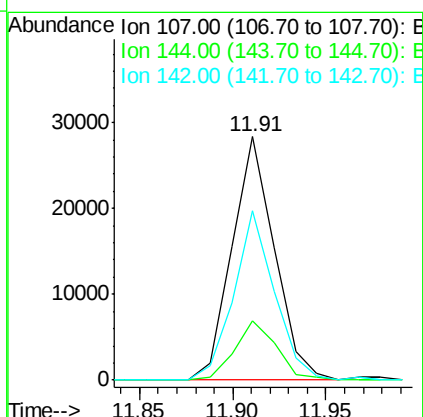
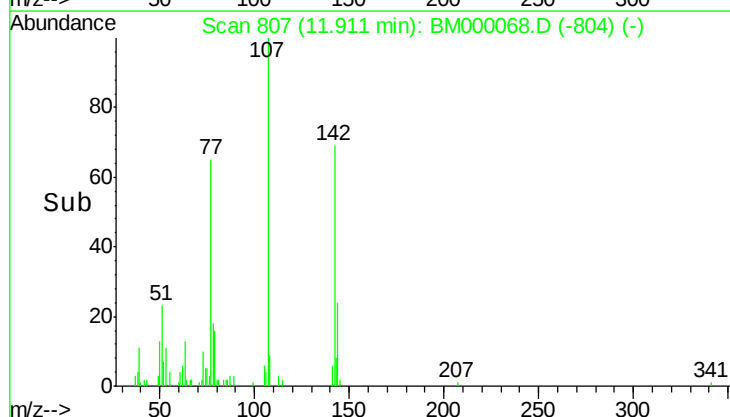
Instrument :
 BNA_M
 ClientSampleId :
 MDL-Soil-2

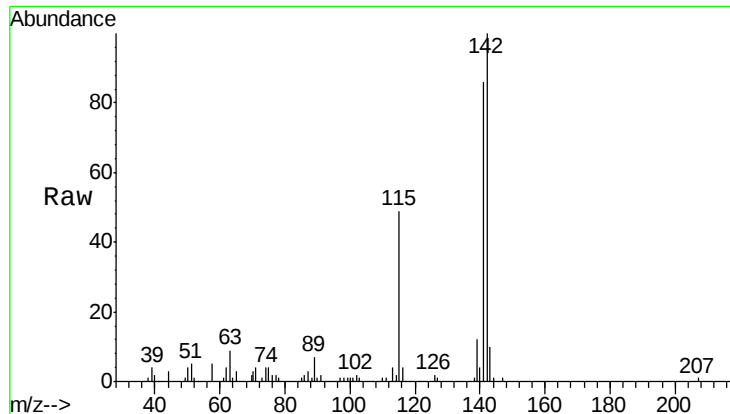
Tgt Ion:113 Resp: 10029
 Ion Ratio Lower Upper
 113 100
 55 211.6 156.6 234.8
 56 164.6 126.3 189.5



#33
 4-Chloro-3-methylphenol
 Concen: 2.16 ng/ul
 RT: 11.91 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: BM000068.D
 Acq: 29 Dec 2014 20:55

Tgt Ion:107 Resp: 44831
 Ion Ratio Lower Upper
 107 100
 144 24.4 16.6 24.8
 142 69.5 54.6 82.0

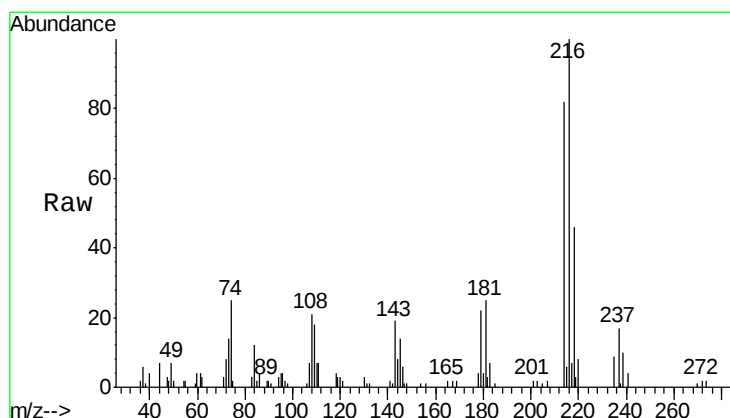
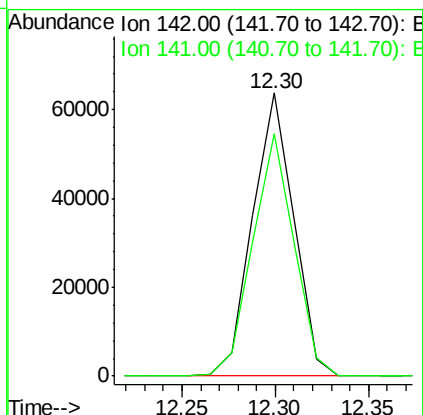
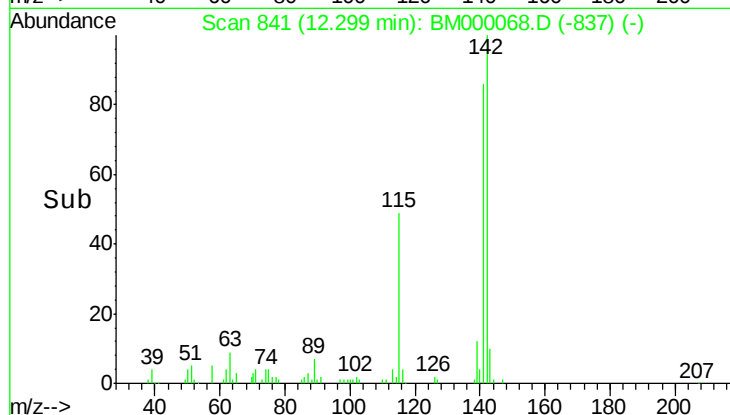




#34
 2-Methylnaphthalene
 Concen: 2.37 ng/ul
 RT: 12.30 min Scan# 841
 Delta R.T. -0.00 min
 Lab File: BM000068.D
 Acq: 29 Dec 2014 20:55

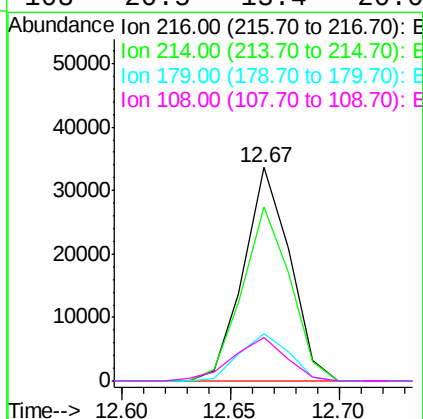
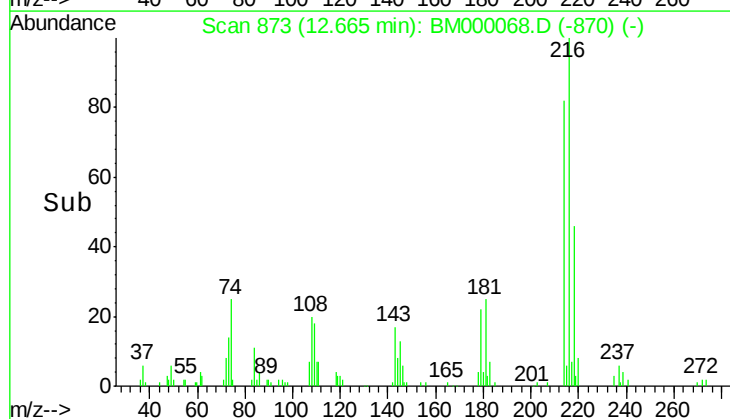
Instrument :
 BNA_M
 ClientSampleId :
 MDL-Soil-2

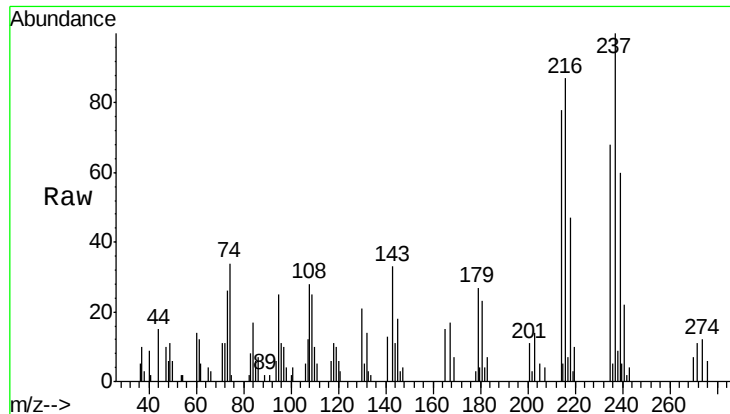
Tgt Ion:142 Resp: 97583
 Ion Ratio Lower Upper
 142 100
 141 85.6 69.3 103.9



#36
 1,2,4,5-Tetrachlorobenzene
 Concen: 2.30 ng/ul
 RT: 12.67 min Scan# 873
 Delta R.T. -0.00 min
 Lab File: BM000068.D
 Acq: 29 Dec 2014 20:55

Tgt Ion:216 Resp: 50060
 Ion Ratio Lower Upper
 216 100
 214 81.5 62.6 94.0
 179 22.4 17.4 26.2
 108 20.5 13.4 20.0#

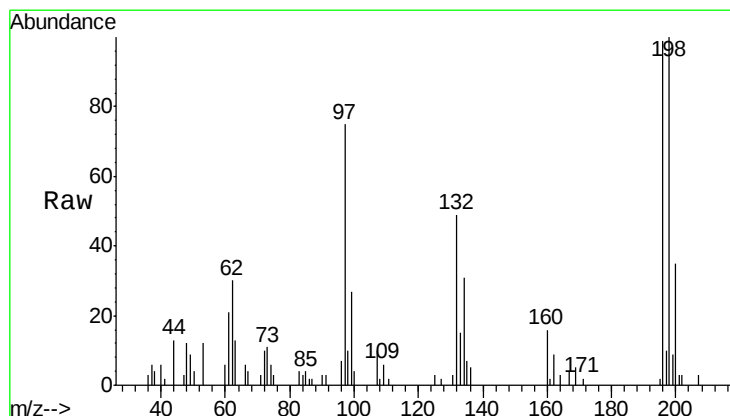
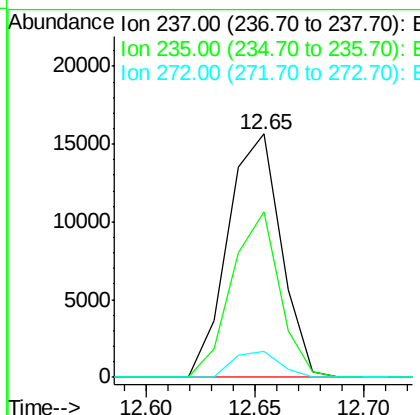
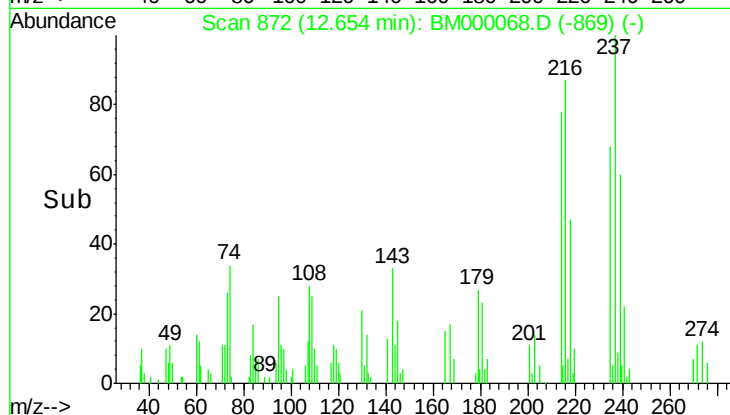




#37
 Hexachlorocyclopentadiene
 Concen: 1.86 ng/ul
 RT: 12.65 min Scan# 872
 Delta R.T. -0.00 min
 Lab File: BM000068.D
 Acq: 29 Dec 2014 20:55

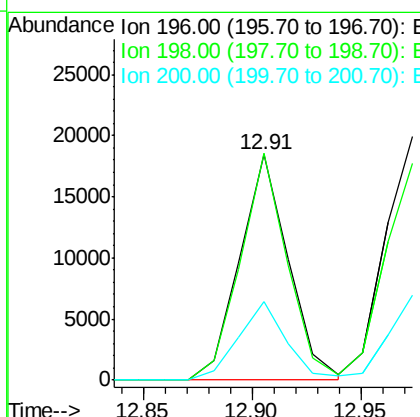
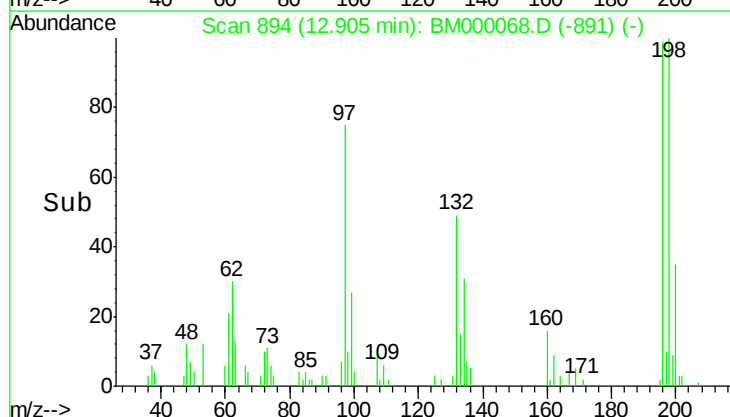
Instrument :
 BNA_M
 ClientSampleId :
 MDL-Soil-2

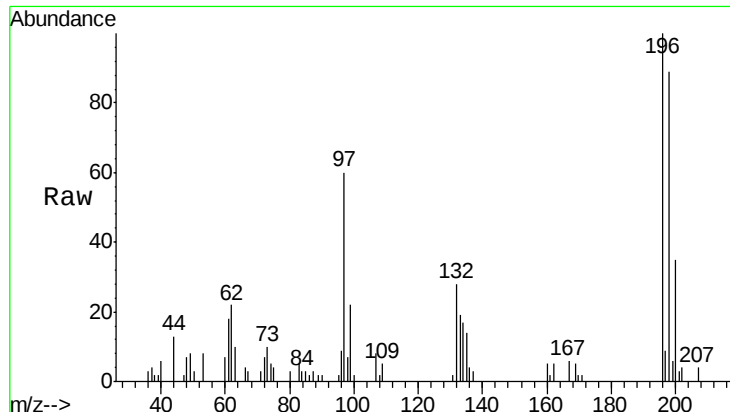
Tgt Ion:	237	Resp:	26662
Ion	Ratio	Lower	Upper
237	100		
235	67.9	50.0	75.0
272	10.8	8.9	13.3



#38
 2,4,6-Trichlorophenol
 Concen: 2.08 ng/ul
 RT: 12.91 min Scan# 894
 Delta R.T. -0.00 min
 Lab File: BM000068.D
 Acq: 29 Dec 2014 20:55

Tgt Ion:	196	Resp:	28896
Ion	Ratio	Lower	Upper
196	100		
198	100.6	76.6	114.8
200	34.9	24.5	36.7

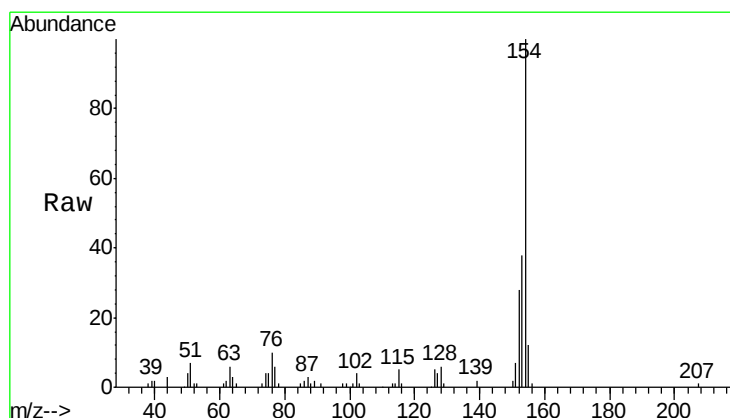
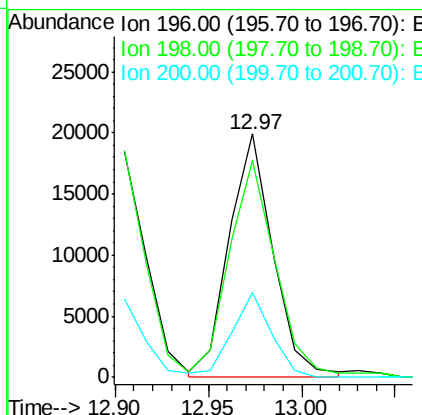
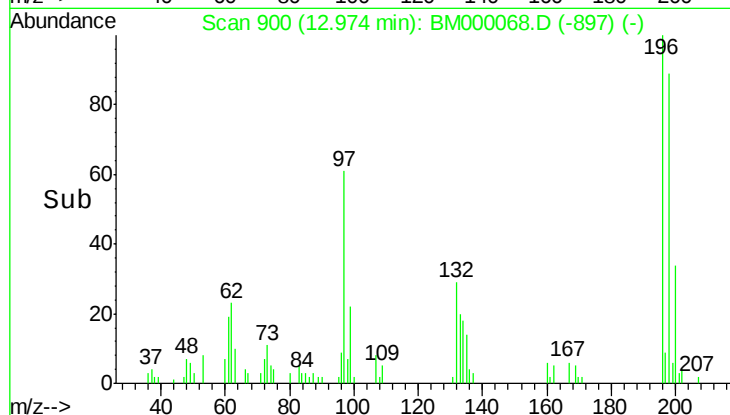




#39
 2,4,5-Trichlorophenol
 Concen: 2.19 ng/ul
 RT: 12.97 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: BM000068.D
 Acq: 29 Dec 2014 20:55

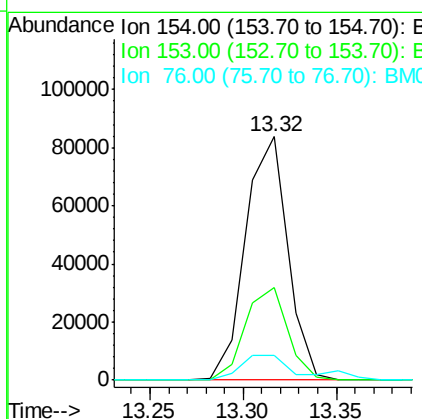
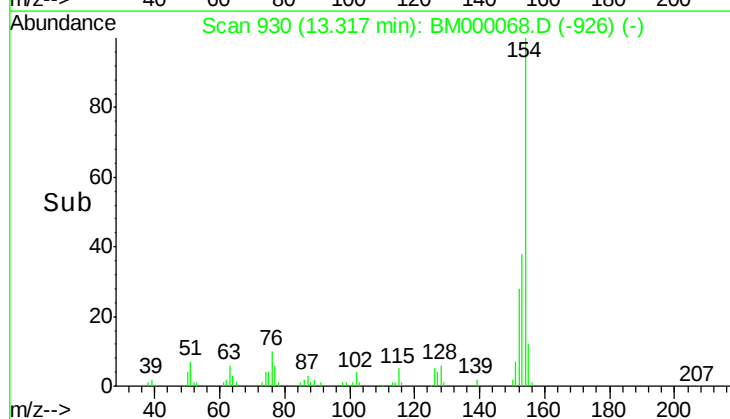
Instrument :
 BNA_M
 ClientSampleId :
 MDL-Soil-2

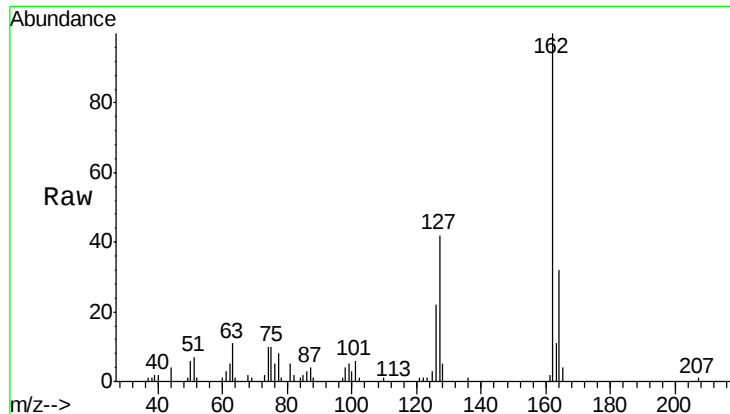
Tgt Ion:196	Resp:	33037
Ion Ratio	Lower	Upper
196	100	
198	88.8	75.4 113.2
200	35.0	25.0 37.4



#40
 1,1'-Biphenyl
 Concen: 2.33 ng/ul
 RT: 13.32 min Scan# 930
 Delta R.T. -0.00 min
 Lab File: BM000068.D
 Acq: 29 Dec 2014 20:55

Tgt Ion:154	Resp:	131482
Ion Ratio	Lower	Upper
154	100	
153	37.8	30.5 45.7
76	10.0	8.9 13.3

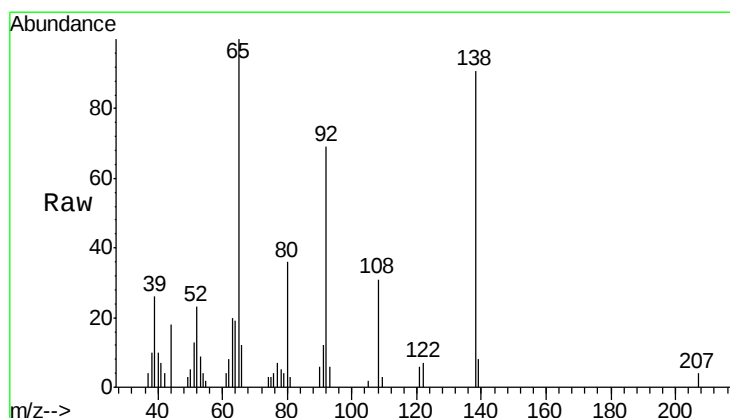
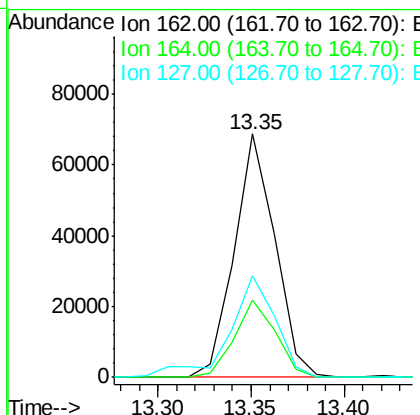
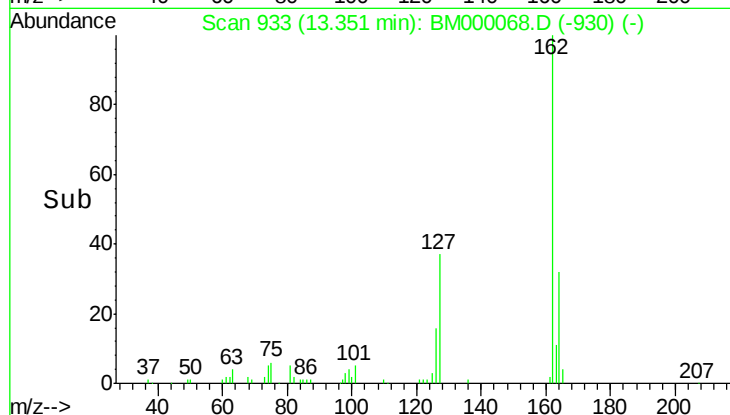




#41
 2-Chloronaphthalene
 Concen: 2.41 ng/ul
 RT: 13.35 min Scan# 933
 Delta R.T. -0.00 min
 Lab File: BM000068.D
 Acq: 29 Dec 2014 20:55

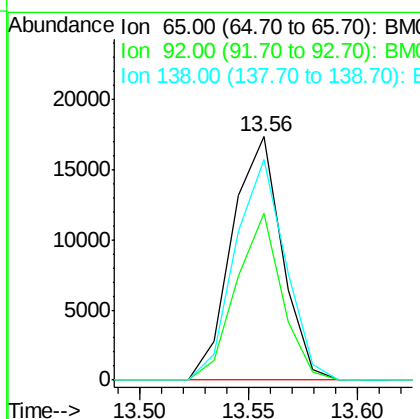
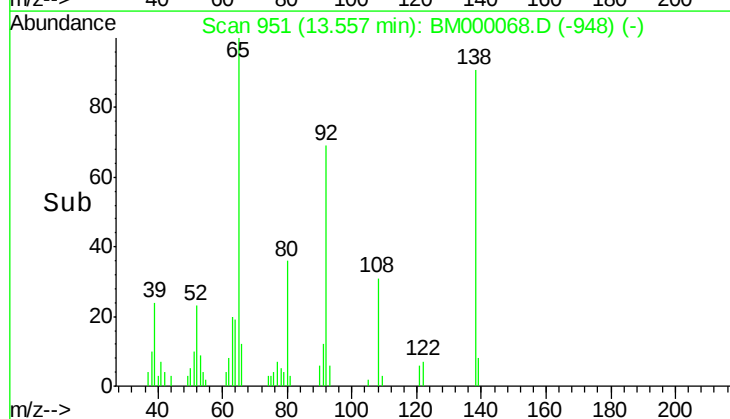
Instrument :
 BNA_M
 ClientSampleId :
 MDL-Soil-2

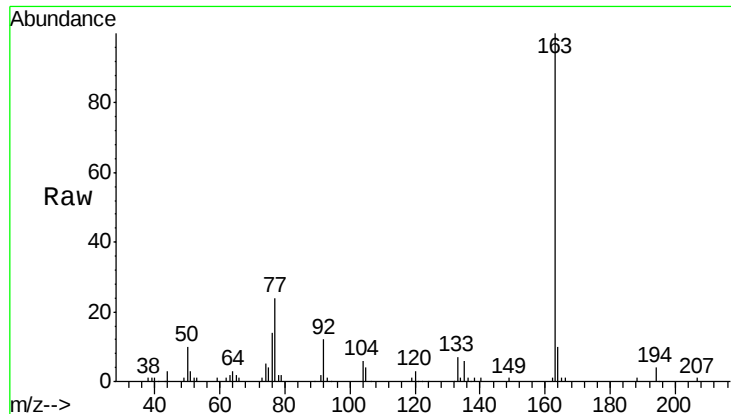
Tgt Ion:	162	Resp:	104542
Ion	Ratio	Lower	Upper
162	100		
164	31.9	25.8	38.6
127	41.7	35.9	53.9



#42
 2-Nitroaniline
 Concen: 1.98 ng/ul
 RT: 13.56 min Scan# 951
 Delta R.T. -0.00 min
 Lab File: BM000068.D
 Acq: 29 Dec 2014 20:55

Tgt Ion:	65	Resp:	27741
Ion	Ratio	Lower	Upper
65	100		
92	68.6	50.4	75.6
138	90.8	66.9	100.3

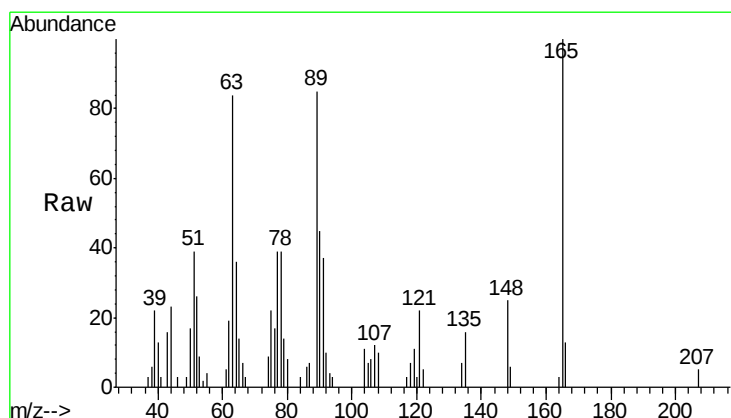
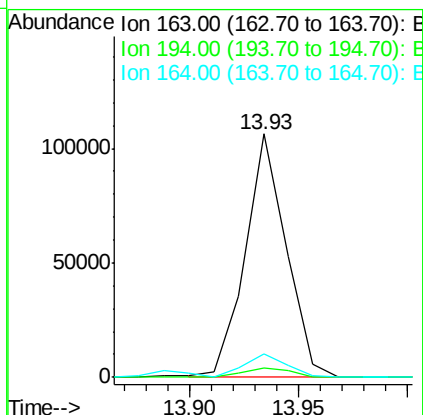
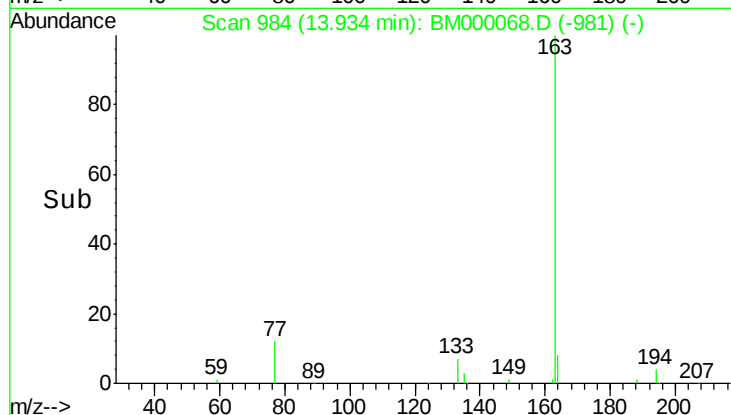




#44
Dimethylphthalate
Concen: 2.40 ng/ul
RT: 13.93 min Scan# 984
Delta R.T. -0.00 min
Lab File: BM000068.D
Acq: 29 Dec 2014 20:55

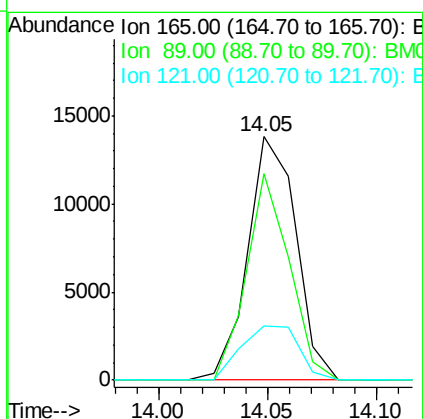
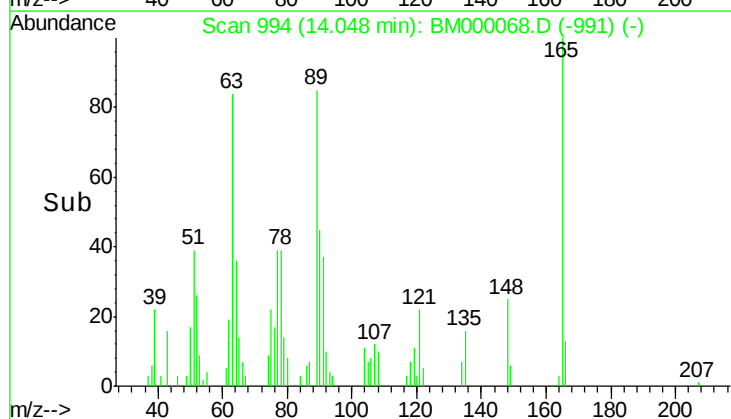
Instrument :
BNA_M
ClientSampleId :
MDL-Soil-2

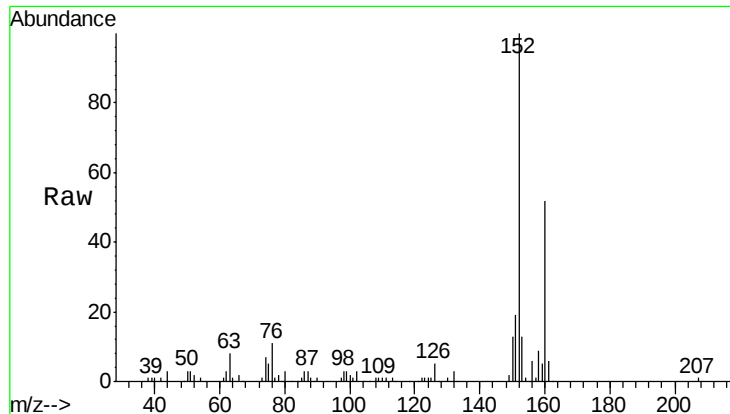
Tgt Ion:163 Resp: 138333
Ion Ratio Lower Upper
163 100
194 3.9 3.0 4.4
164 9.8 8.5 12.7



#45
2,6-Dinitrotoluene
Concen: 2.08 ng/ul
RT: 14.05 min Scan# 994
Delta R.T. -0.01 min
Lab File: BM000068.D
Acq: 29 Dec 2014 20:55

Tgt Ion:165 Resp: 21405
Ion Ratio Lower Upper
165 100
89 84.8 54.4 81.6#
121 22.2 18.6 28.0

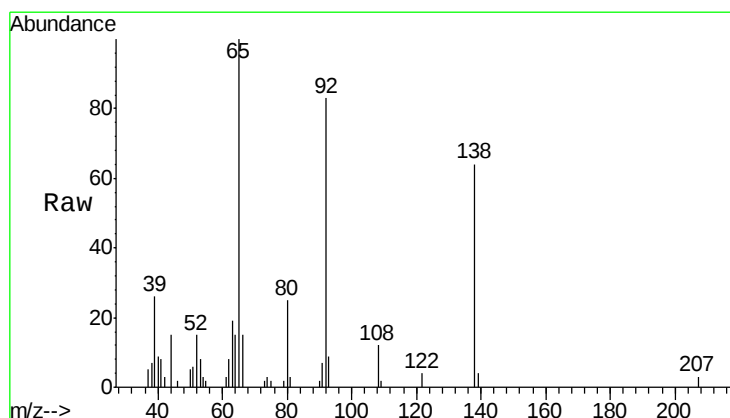
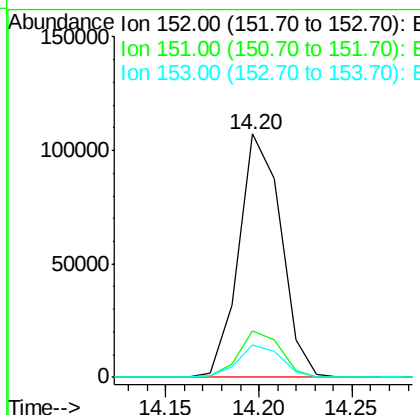
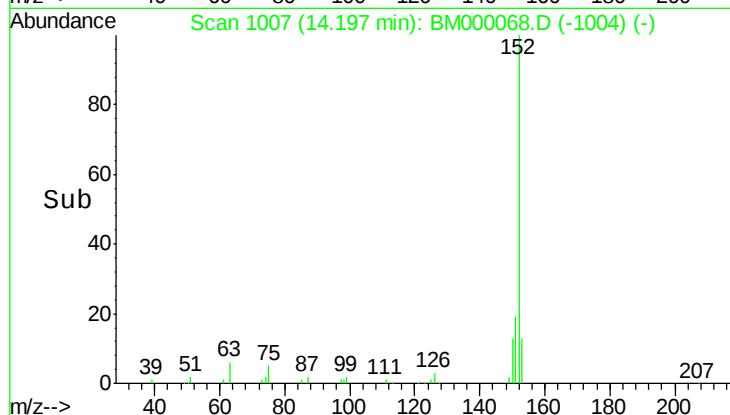




#47
 Acenaphthylene
 Concen: 2.32 ng/ul
 RT: 14.20 min Scan# 1007
 Delta R.T. -0.00 min
 Lab File: BM000068.D
 Acq: 29 Dec 2014 20:55

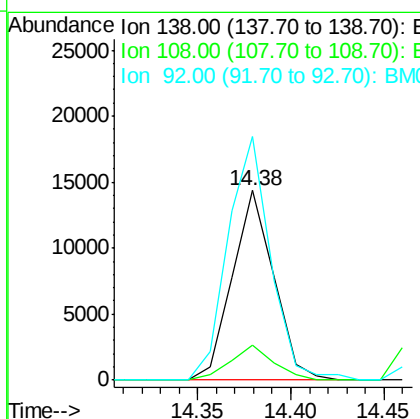
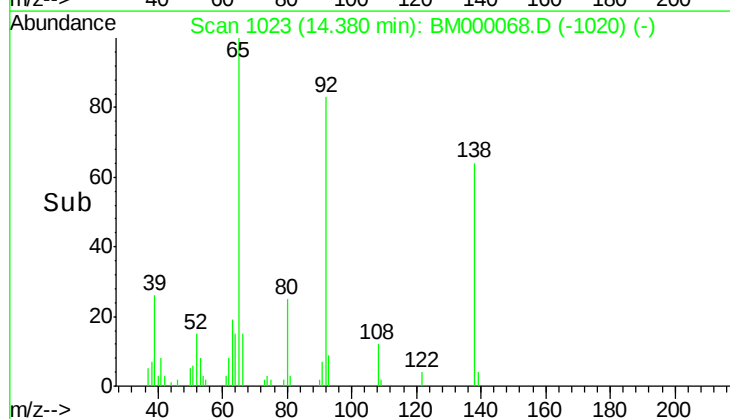
Instrument :
 BNA_M
 ClientSampleId :
 MDL-Soil-2

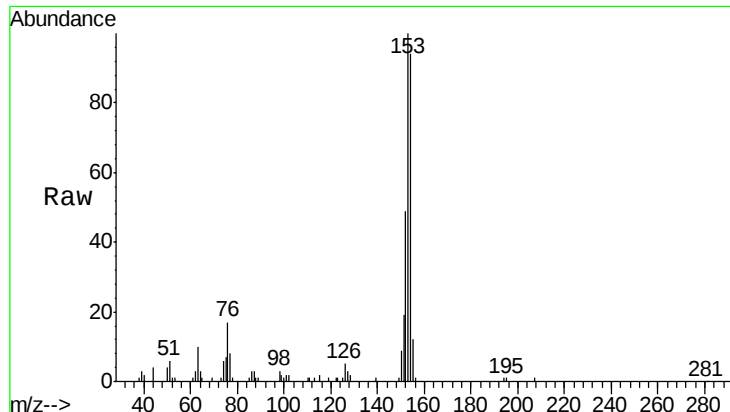
Tgt Ion:152 Resp: 169296
 Ion Ratio Lower Upper
 152 100
 151 19.1 15.4 23.2
 153 13.3 10.2 15.2



#48
 3-Nitroaniline
 Concen: 2.10 ng/ul
 RT: 14.38 min Scan# 1023
 Delta R.T. -0.00 min
 Lab File: BM000068.D
 Acq: 29 Dec 2014 20:55

Tgt Ion:138 Resp: 22206
 Ion Ratio Lower Upper
 138 100
 108 18.7 11.2 16.8#
 92 128.6 110.6 165.8





#49

Acenaphthene

Concen: 2.29 ng/ul

RT: 14.54 min Scan# 1037

Delta R.T. -0.00 min

Lab File: BM000068.D

Acq: 29 Dec 2014 20:55

Instrument :

BNA_M

ClientSampleId :

MDL-Soil-2

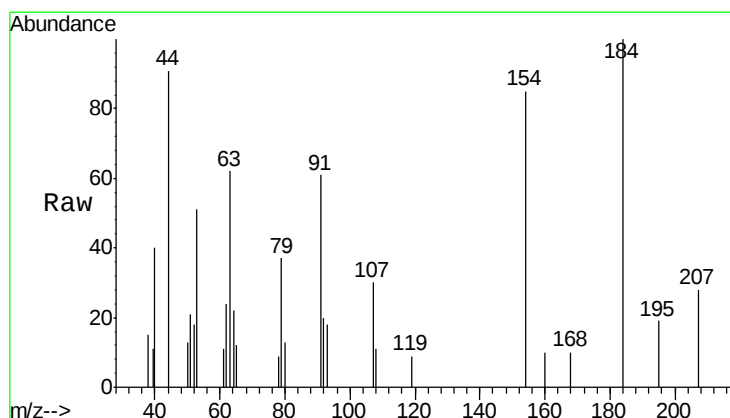
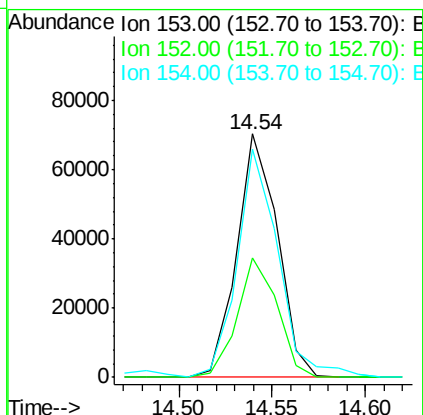
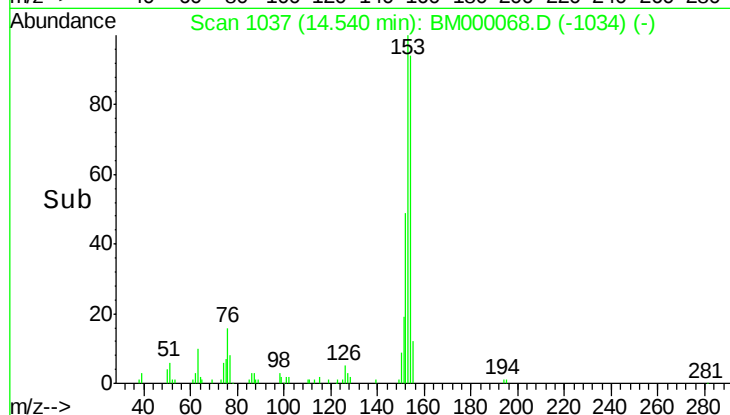
Tgt Ion:153 Resp: 106511

Ion Ratio Lower Upper

153 100

152 48.9 37.5 56.3

154 93.5 72.2 108.4



#50

2,4-Dinitrophenol

Concen: 0.99 ng/ul

RT: 14.59 min Scan# 1041

Delta R.T. -0.00 min

Lab File: BM000068.D

Acq: 29 Dec 2014 20:55

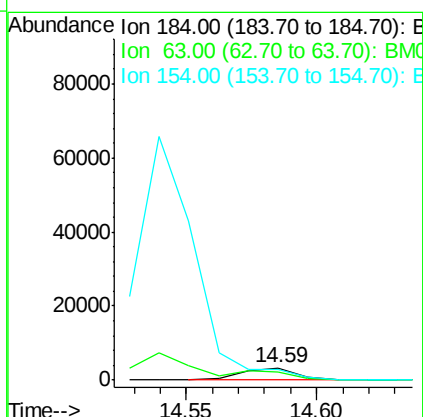
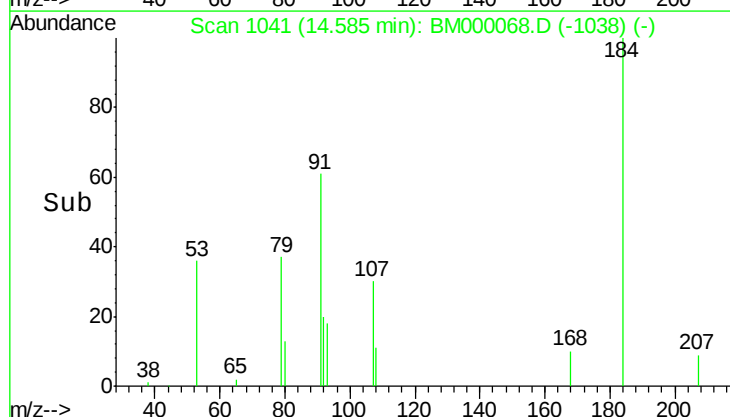
Tgt Ion:184 Resp: 5183

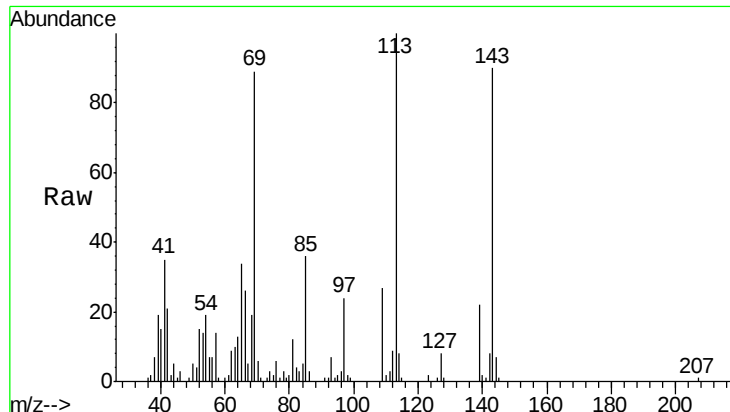
Ion Ratio Lower Upper

184 100

63 62.1 56.1 84.1

154 85.0 68.2 102.4





#52

4-Nitrophenol

Concen: 2.15 ng/ul

RT: 14.68 min Scan# 1049

Delta R.T. -0.00 min

Lab File: BM000068.D

Acq: 29 Dec 2014 20:55

Instrument :

BNA_M

ClientSampleId :

MDL-Soil-2

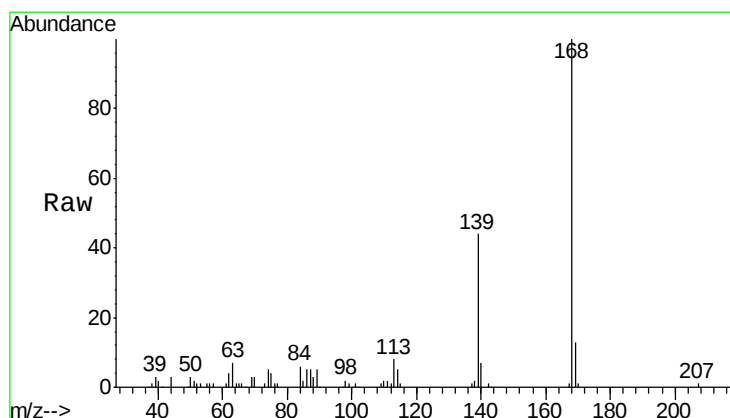
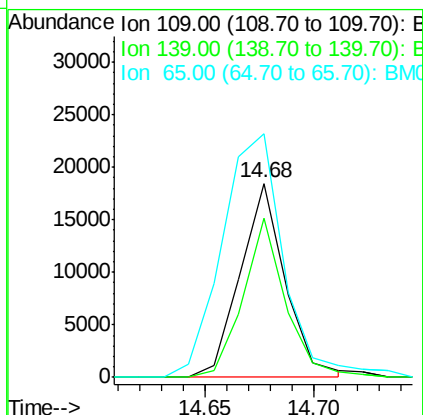
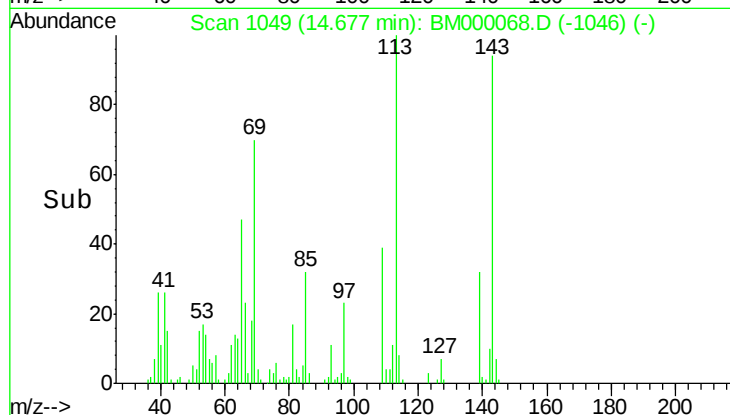
Tgt Ion:109 Resp: 26721

Ion Ratio Lower Upper

109 100

139 82.0 62.5 93.7

65 125.6 88.7 133.1



#53

Dibenzofuran

Concen: 2.32 ng/ul

RT: 14.87 min Scan# 1066

Delta R.T. -0.01 min

Lab File: BM000068.D

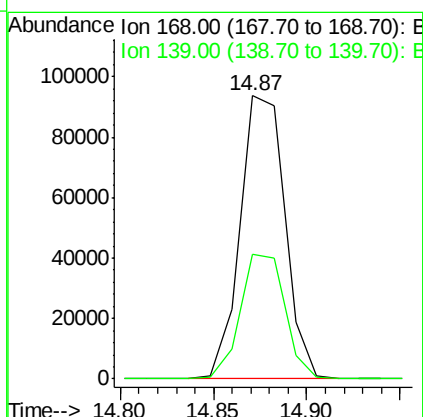
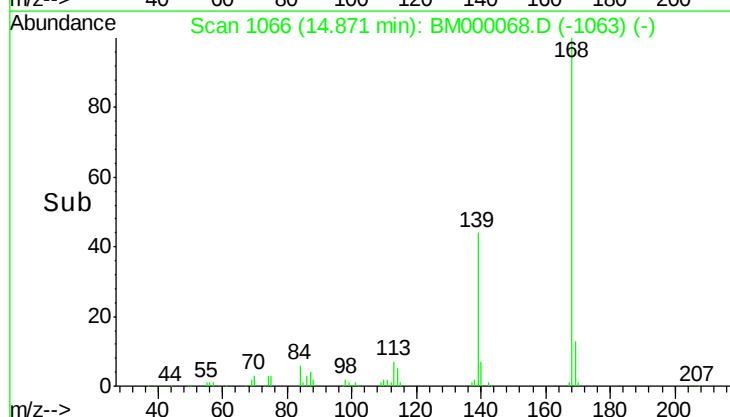
Acq: 29 Dec 2014 20:55

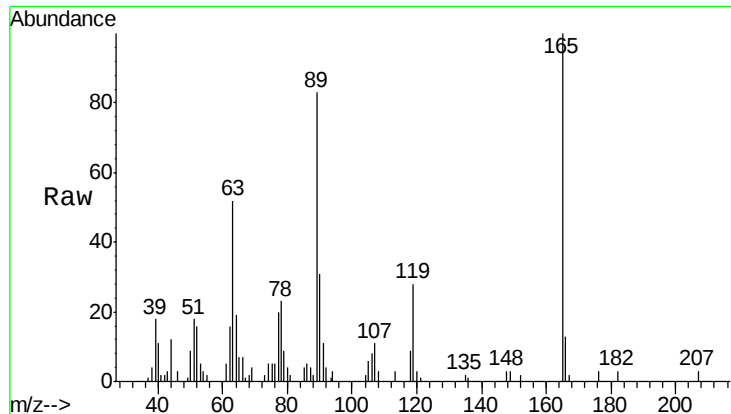
Tgt Ion:168 Resp: 156445

Ion Ratio Lower Upper

168 100

139 43.8 33.6 50.4

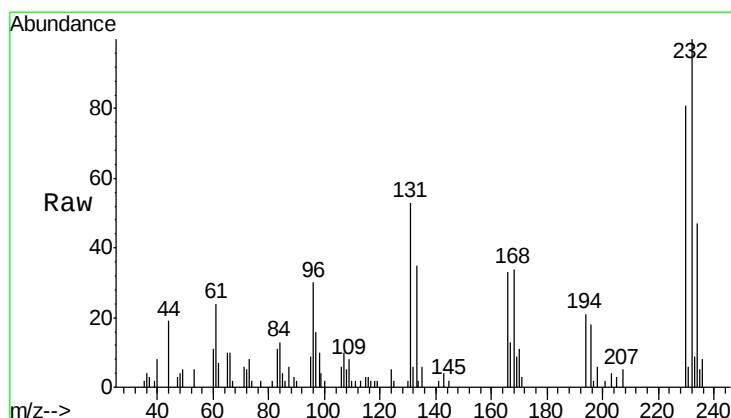
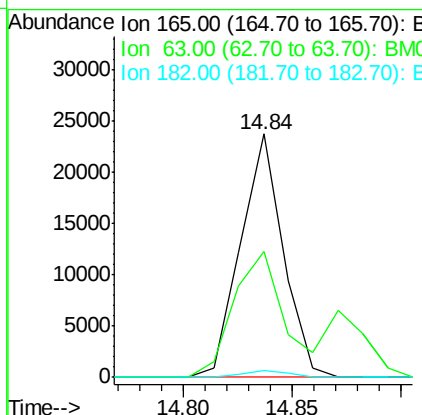
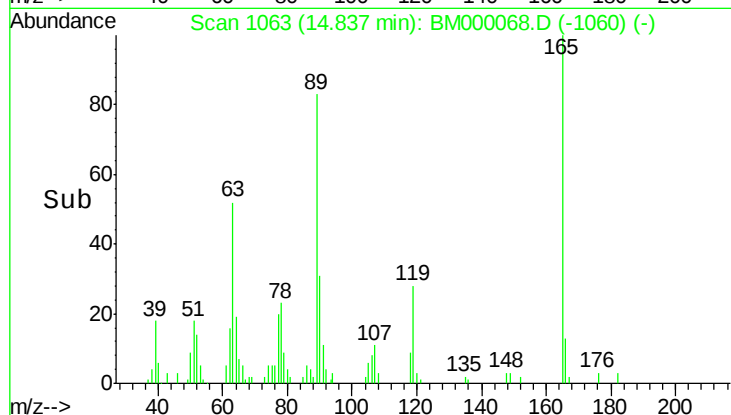




#54
 2,4-Dinitrotoluene
 Concen: 2.11 ng/ul
 RT: 14.84 min Scan# 1063
 Delta R.T. -0.00 min
 Lab File: BM000068.D
 Acq: 29 Dec 2014 20:55

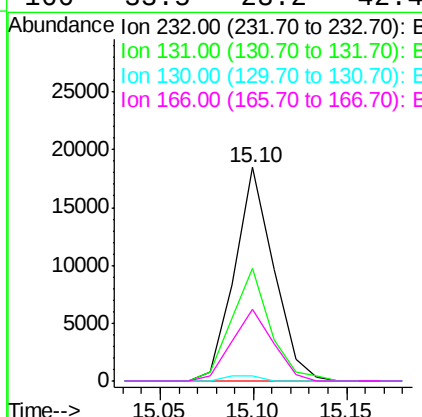
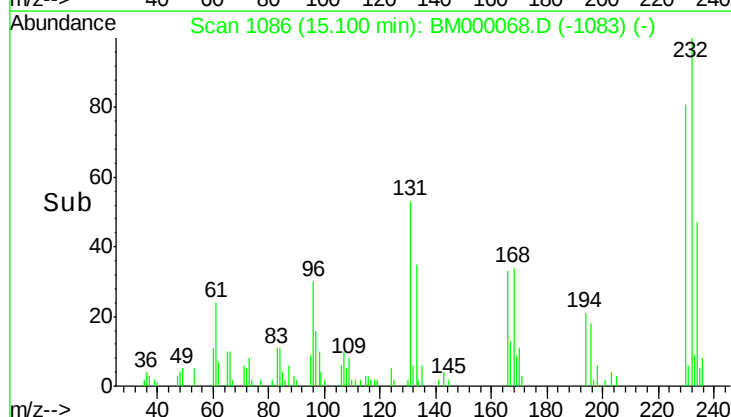
Instrument :
 BNA_M
 ClientSampleId :
 MDL-Soil-2

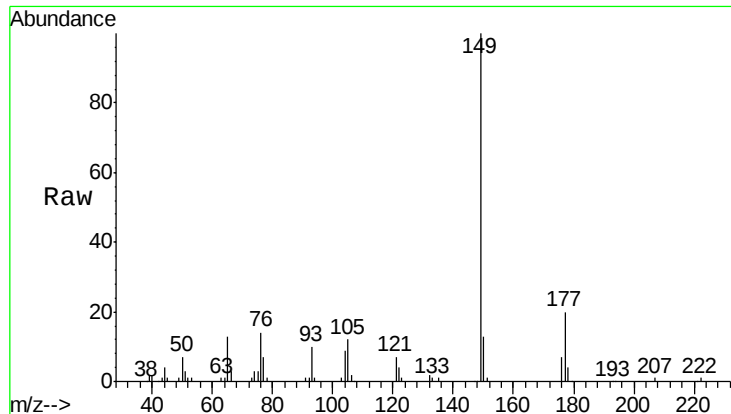
Tgt Ion:165 Resp: 32378
 Ion Ratio Lower Upper
 165 100
 63 51.6 48.8 73.2
 182 2.9 2.1 3.1



#55
 2,3,4,6-Tetrachlorophenol
 Concen: 2.08 ng/ul
 RT: 15.10 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: BM000068.D
 Acq: 29 Dec 2014 20:55

Tgt Ion:232 Resp: 27056
 Ion Ratio Lower Upper
 232 100
 131 53.0 43.4 65.0
 130 2.5 2.7 4.1#
 166 33.5 28.2 42.4

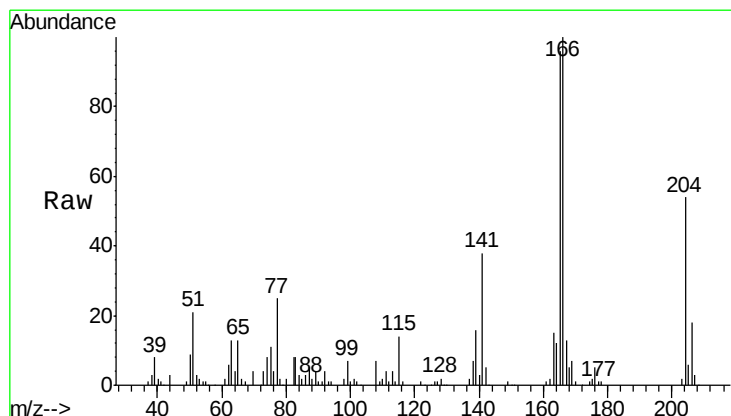
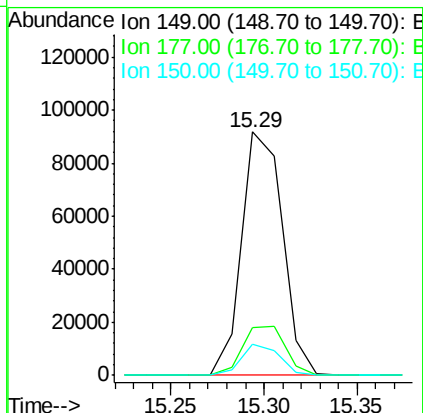
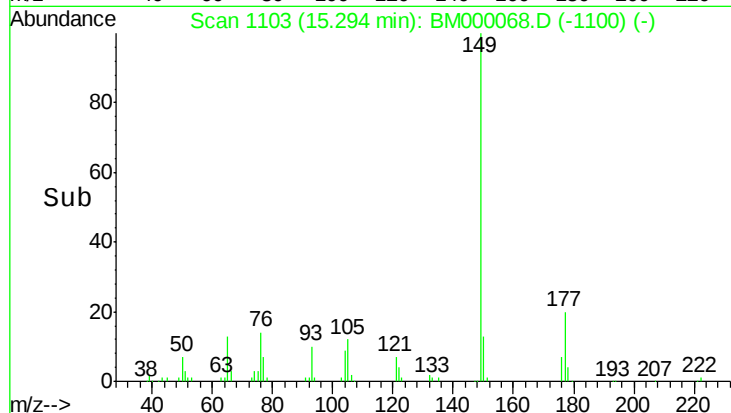




#56
Diethylphthalate
Concen: 2.32 ng/ul
RT: 15.29 min Scan# 1103
Delta R.T. -0.01 min
Lab File: BM000068.D
Acq: 29 Dec 2014 20:55

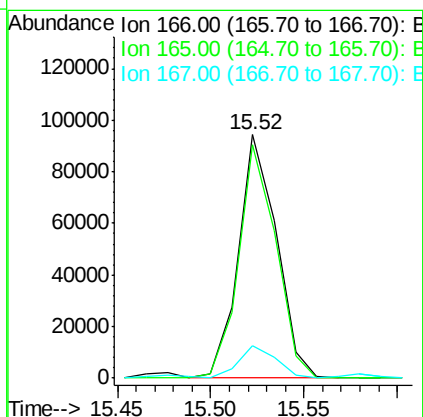
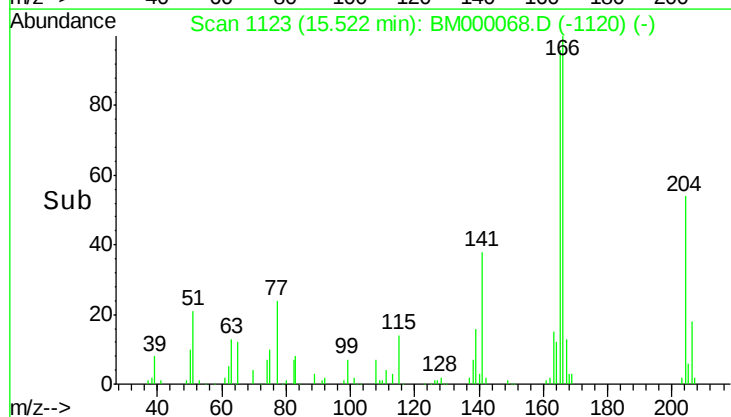
Instrument :
BNA_M
ClientSampleId :
MDL-Soil-2

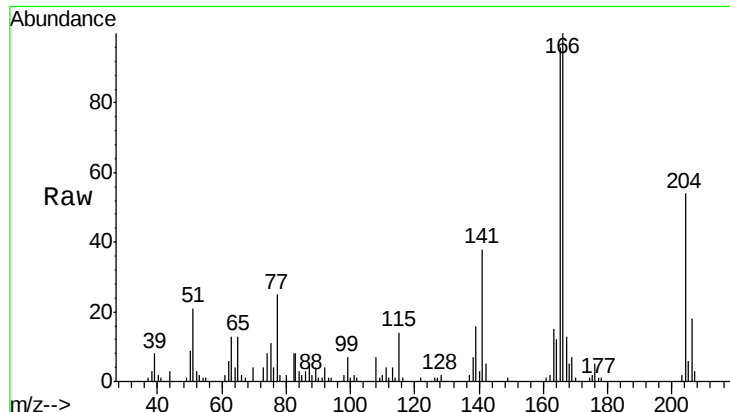
Tgt Ion:149 Resp: 140614
Ion Ratio Lower Upper
149 100
177 19.6 17.4 26.2
150 12.7 10.5 15.7



#58
Fluorene
Concen: 2.39 ng/ul
RT: 15.52 min Scan# 1123
Delta R.T. -0.00 min
Lab File: BM000068.D
Acq: 29 Dec 2014 20:55

Tgt Ion:166 Resp: 133646
Ion Ratio Lower Upper
166 100
165 95.9 76.0 114.0
167 13.2 10.2 15.4





#59

4-Chlorophenyl-phenylether

Concen: 2.44 ng/ul

RT: 15.52 min Scan# 1123

Delta R.T. -0.00 min

Lab File: BM000068.D

Acq: 29 Dec 2014 20:55

Instrument :

BNA_M

ClientSampleId :

MDL-Soil-2

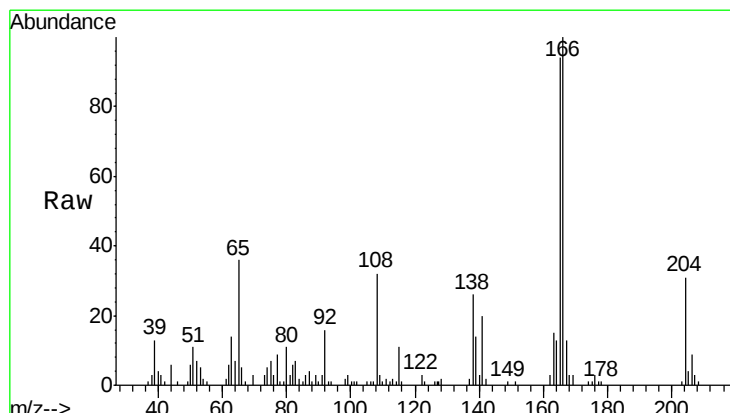
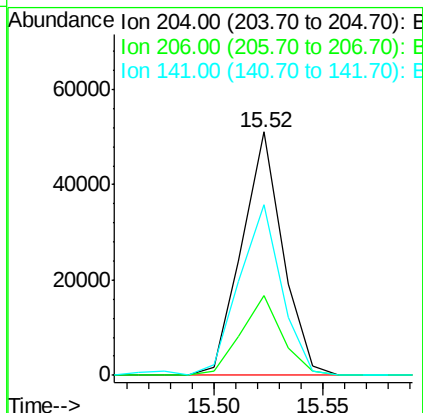
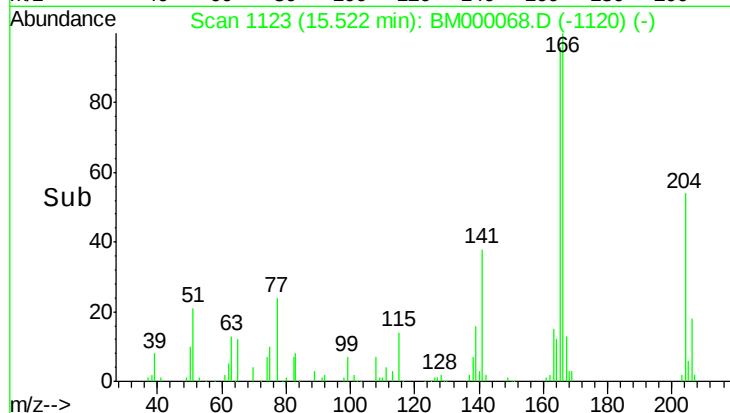
Tgt Ion:204 Resp: 67240

Ion Ratio Lower Upper

204 100

206 32.7 25.8 38.8

141 70.0 61.3 91.9



#60

4-Nitroaniline

Concen: 2.14 ng/ul

RT: 15.53 min Scan# 1124

Delta R.T. -0.01 min

Lab File: BM000068.D

Acq: 29 Dec 2014 20:55

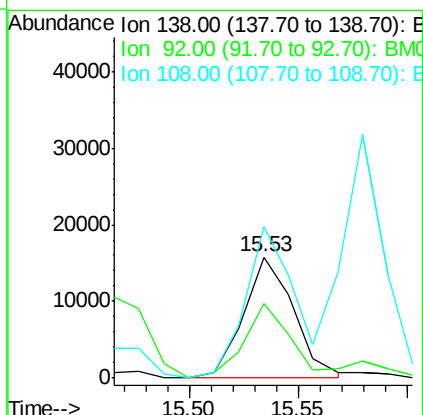
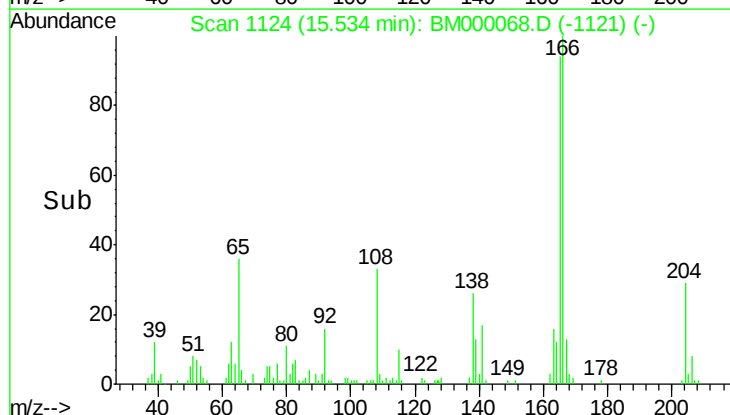
Tgt Ion:138 Resp: 25459

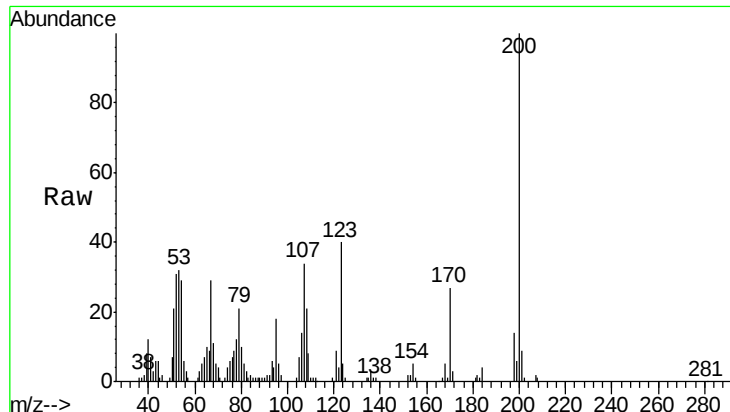
Ion Ratio Lower Upper

138 100

92 61.8 49.3 73.9

108 125.0 110.3 165.5

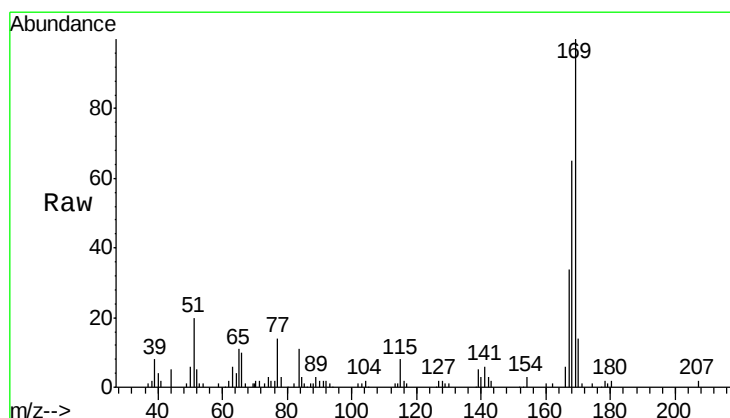
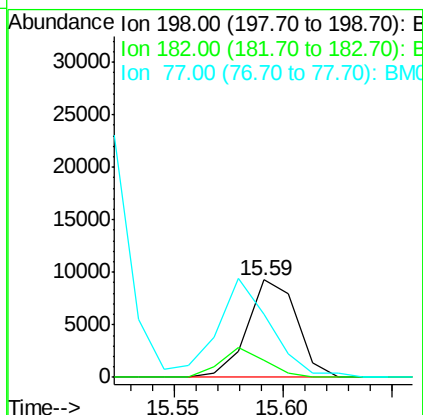
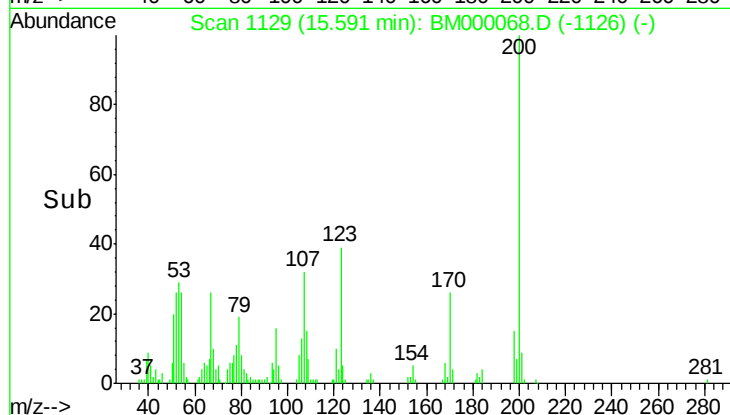




#63
 4,6-Dinitro-2-methylphenol
 Concen: 1.83 ng/ul
 RT: 15.59 min Scan# 1129
 Delta R.T. -0.01 min
 Lab File: BM000068.D
 Acq: 29 Dec 2014 20:55

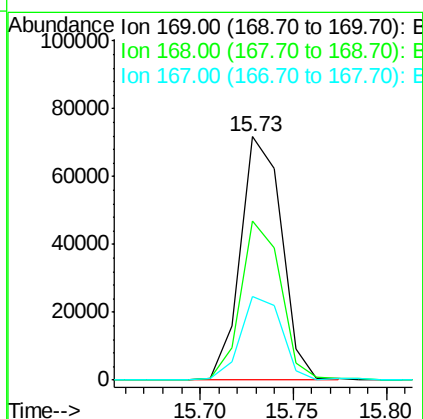
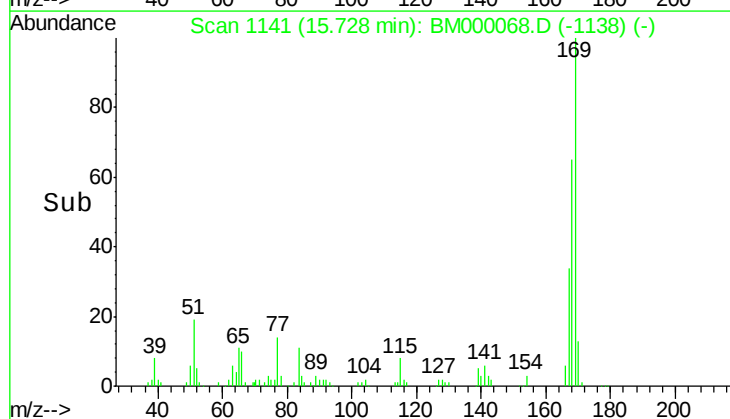
Instrument :
 BNA_M
 ClientSampleId :
 MDL-Soil-2

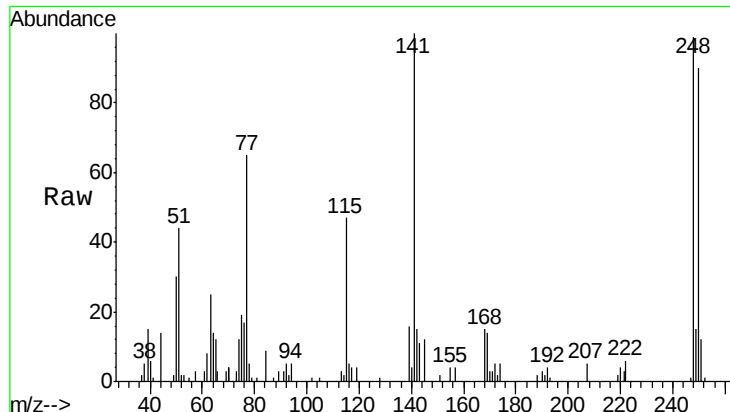
Tgt Ion:198 Resp: 14730
 Ion Ratio Lower Upper
 198 100
 182 17.2 2.6 4.0#
 77 65.2 25.2 37.8#



#64
 N-Nitrosodiphenylamine
 Concen: 2.40 ng/ul
 RT: 15.73 min Scan# 1141
 Delta R.T. -0.01 min
 Lab File: BM000068.D
 Acq: 29 Dec 2014 20:55

Tgt Ion:169 Resp: 110265
 Ion Ratio Lower Upper
 169 100
 168 65.5 51.8 77.6
 167 34.1 28.1 42.1





#65

4-Bromophenyl-phenylether

Concen: 2.43 ng/ul

RT: 16.41 min Scan# 1201

Delta R.T. -0.00 min

Lab File: BM000068.D

Acq: 29 Dec 2014 20:55

Instrument :

BNA_M

ClientSampleId :

MDL-Soil-2

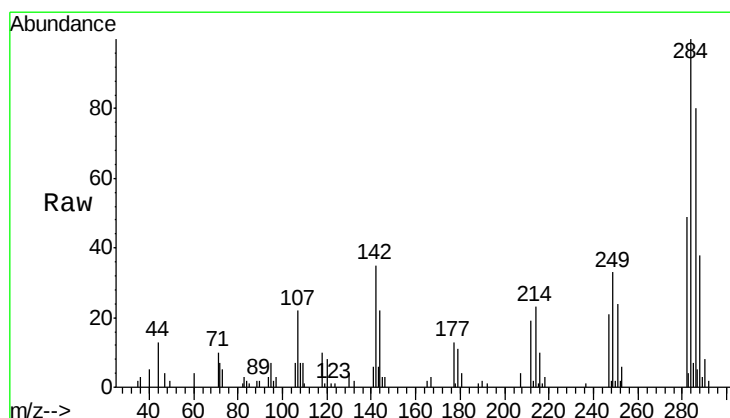
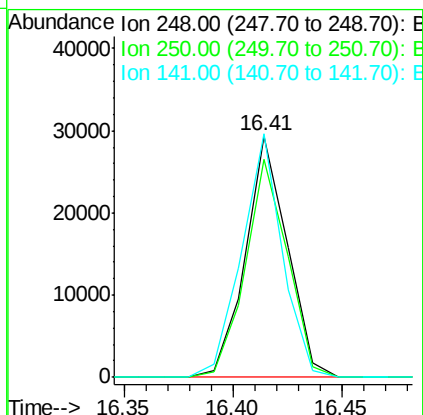
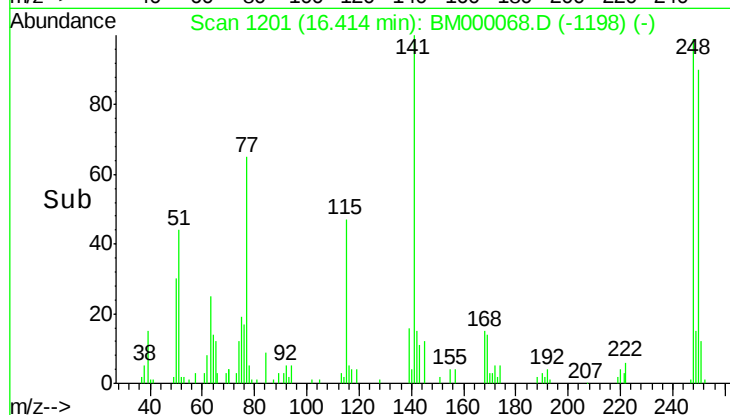
Tgt Ion:248 Resp: 39277

Ion Ratio Lower Upper

248 100

250 90.4 78.4 117.6

141 100.9 67.0 100.4#



#66

Hexachlorobenzene

Concen: 2.43 ng/ul

RT: 16.53 min Scan# 1211

Delta R.T. -0.00 min

Lab File: BM000068.D

Acq: 29 Dec 2014 20:55

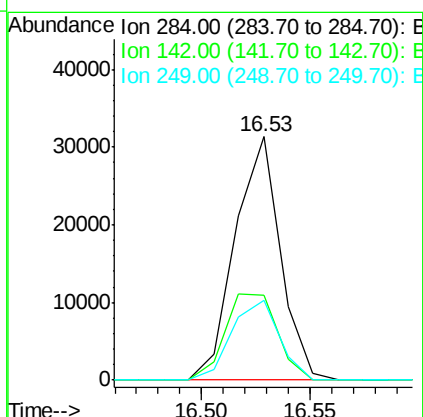
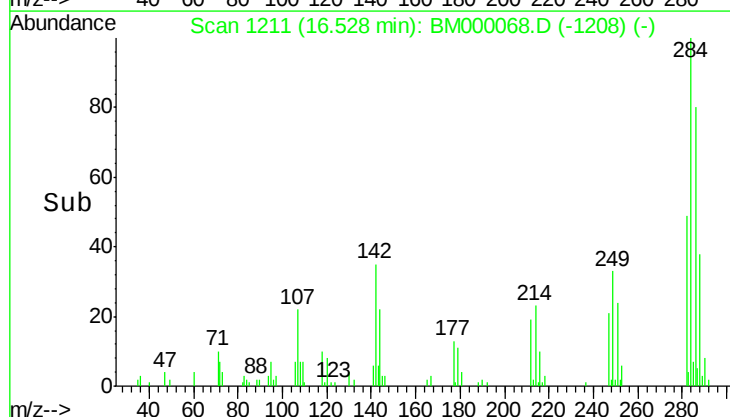
Tgt Ion:284 Resp: 45218

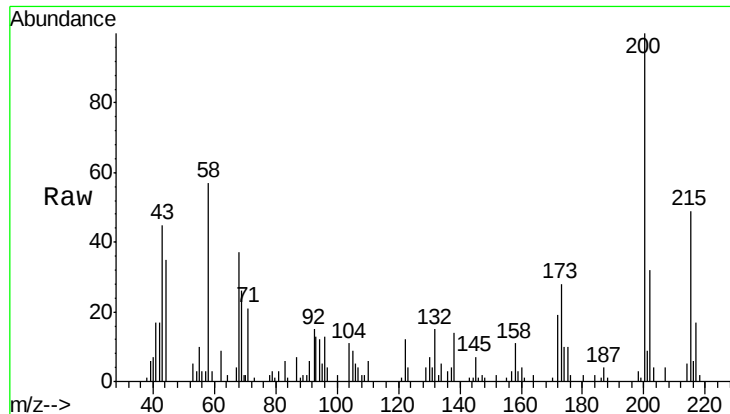
Ion Ratio Lower Upper

284 100

142 35.1 32.4 48.6

249 32.6 26.7 40.1

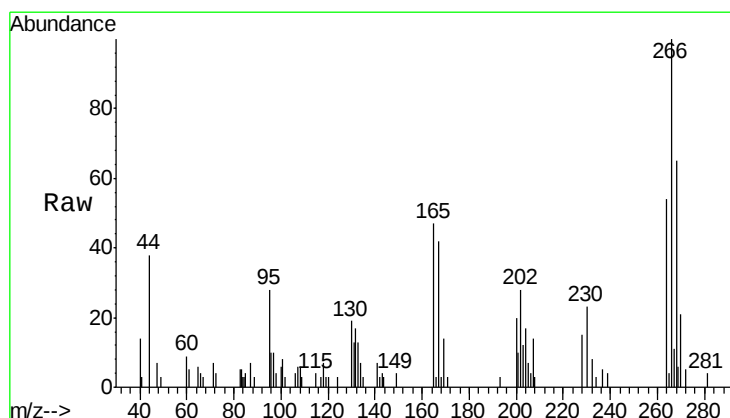
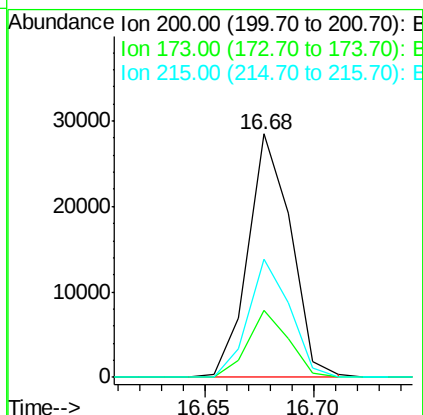
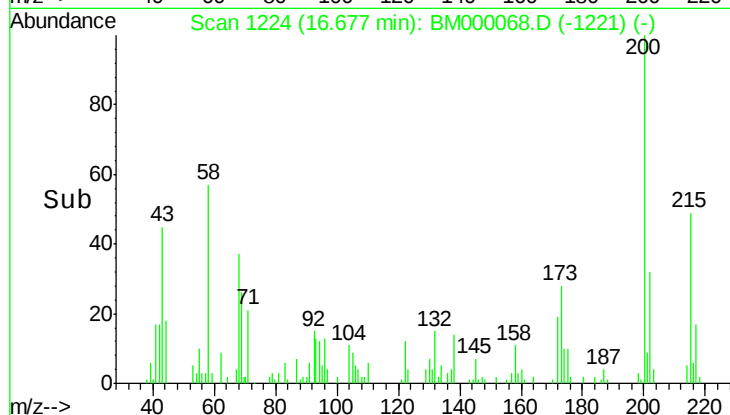




#67
 Atrazine
 Concen: 2.16 ng/ul
 RT: 16.68 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: BM000068.D
 Acq: 29 Dec 2014 20:55

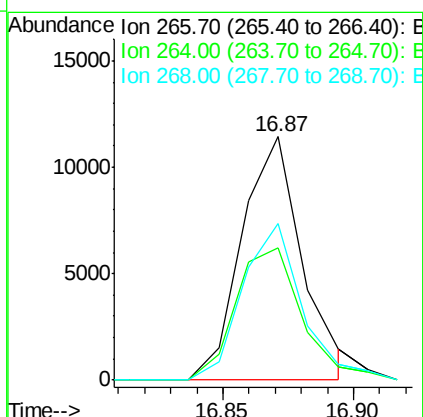
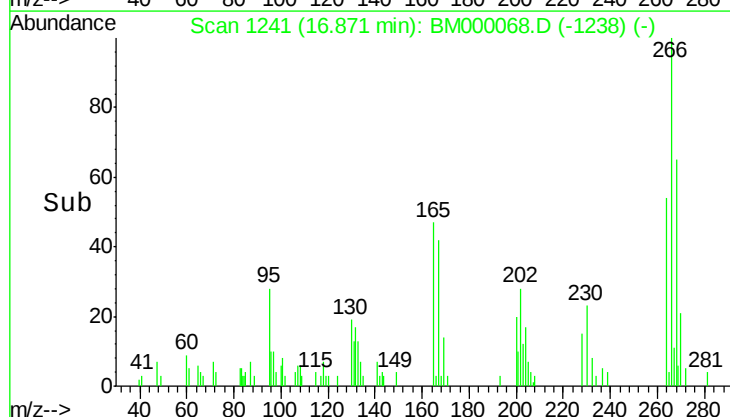
Instrument :
 BNA_M
 ClientSampleId :
 MDL-Soil-2

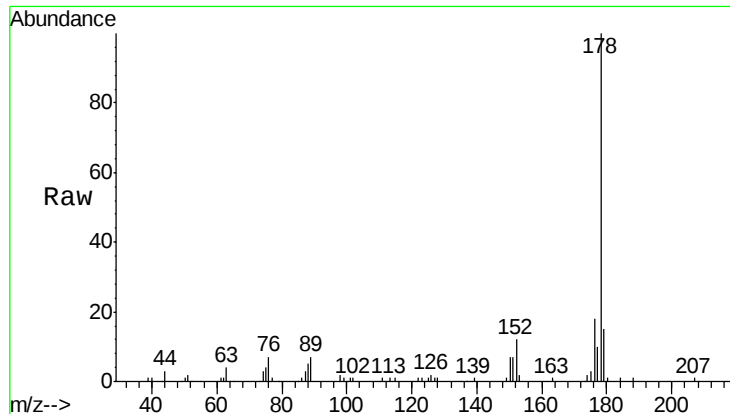
Tgt Ion:200 Resp: 39112
 Ion Ratio Lower Upper
 200 100
 173 27.5 19.5 29.3
 215 48.7 36.6 54.8



#68
 Pentachlorophenol
 Concen: 1.64 ng/ul
 RT: 16.87 min Scan# 1241
 Delta R.T. -0.00 min
 Lab File: BM000068.D
 Acq: 29 Dec 2014 20:55

Tgt Ion:266 Resp: 18582
 Ion Ratio Lower Upper
 266 100
 264 54.2 49.8 74.6
 268 64.5 48.2 72.4

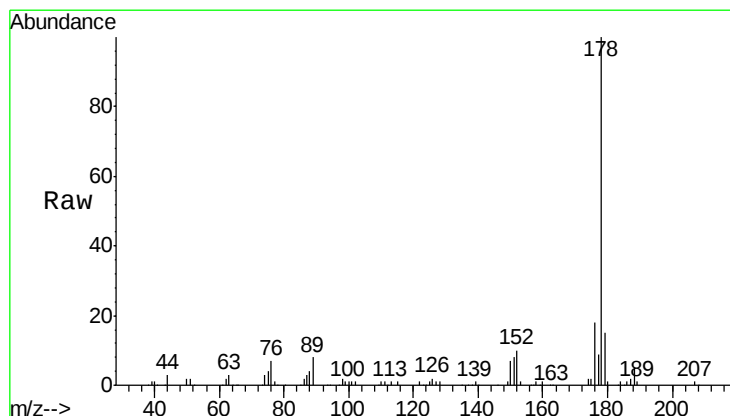
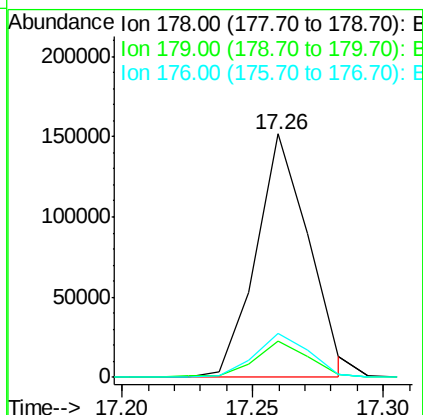
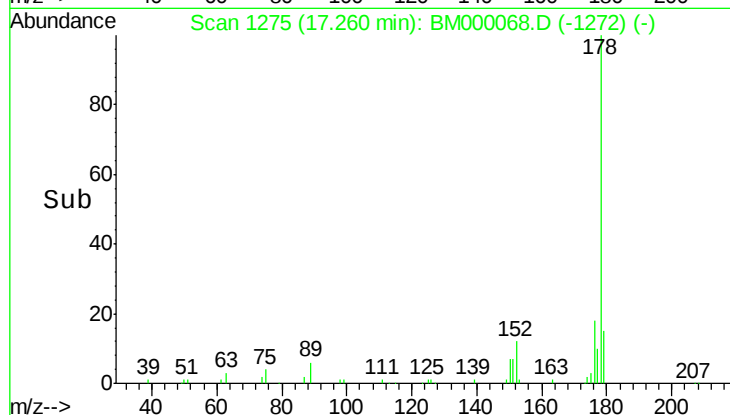




#69
Phenanthrene
Concen: 2.46 ng/ul
RT: 17.26 min Scan# 1275
Delta R.T. -0.00 min
Lab File: BM000068.D
Acq: 29 Dec 2014 20:55

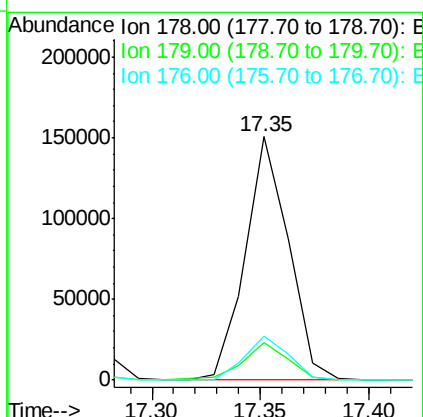
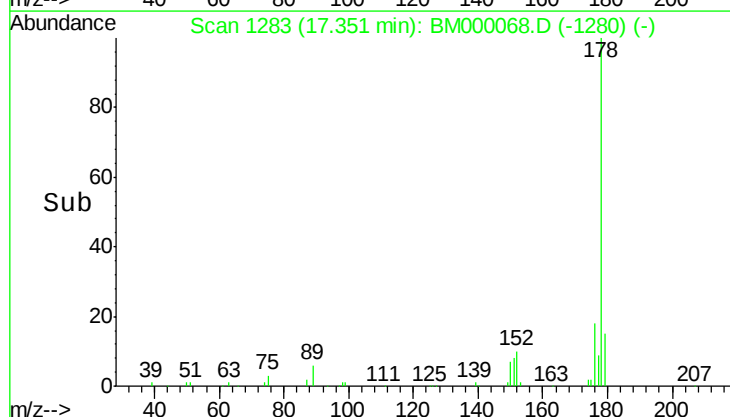
Instrument :
BNA_M
ClientSampleId :
MDL-Soil-2

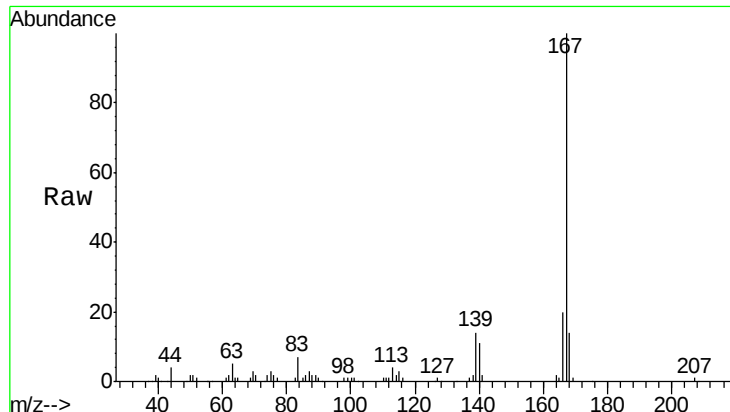
Tgt Ion:178 Resp: 211327
Ion Ratio Lower Upper
178 100
179 15.0 11.6 17.4
176 18.3 14.6 22.0



#71
Anthracene
Concen: 2.35 ng/ul
RT: 17.35 min Scan# 1283
Delta R.T. -0.00 min
Lab File: BM000068.D
Acq: 29 Dec 2014 20:55

Tgt Ion:178 Resp: 206818
Ion Ratio Lower Upper
178 100
179 15.3 12.6 18.8
176 17.9 14.6 21.8





#72

Carbazole

Concen: 2.38 ng/ul

RT: 17.61 min Scan# 1306

Delta R.T. -0.01 min

Lab File: BM000068.D

Acq: 29 Dec 2014 20:55

Instrument :

BNA_M

ClientSampleId :

MDL-Soil-2

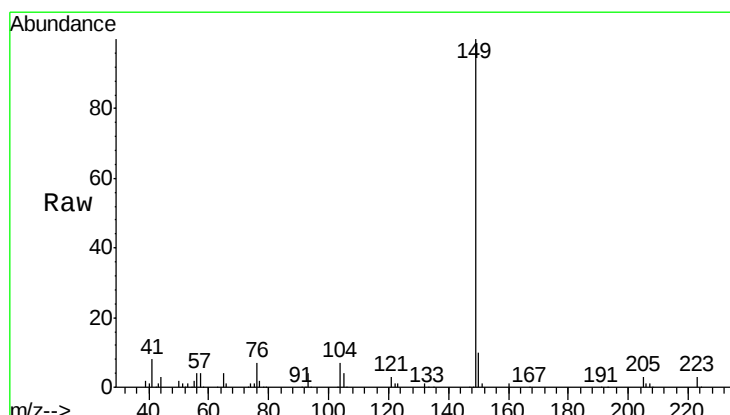
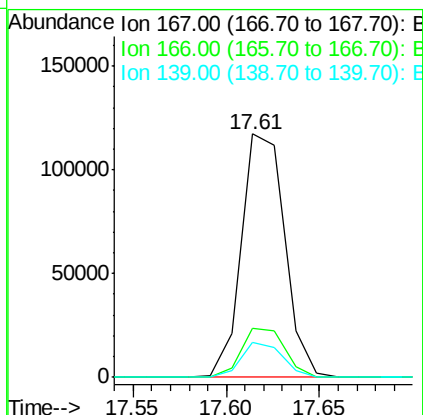
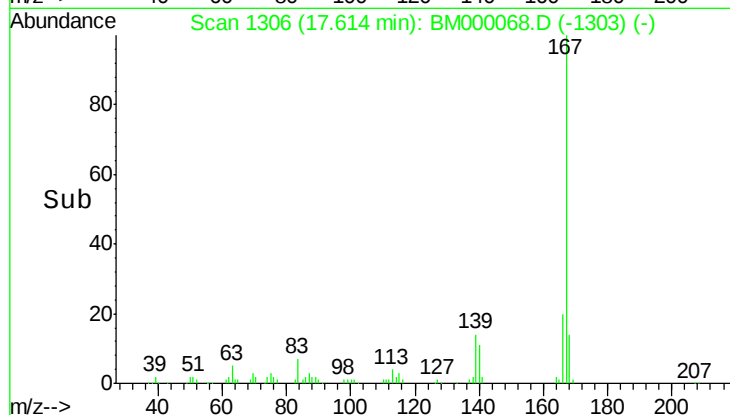
Tgt Ion:167 Resp: 189344

Ion Ratio Lower Upper

167 100

166 20.3 16.2 24.4

139 14.3 10.7 16.1



#73

Di-n-butylphthalate

Concen: 2.23 ng/ul

RT: 18.19 min Scan# 1356

Delta R.T. -0.00 min

Lab File: BM000068.D

Acq: 29 Dec 2014 20:55

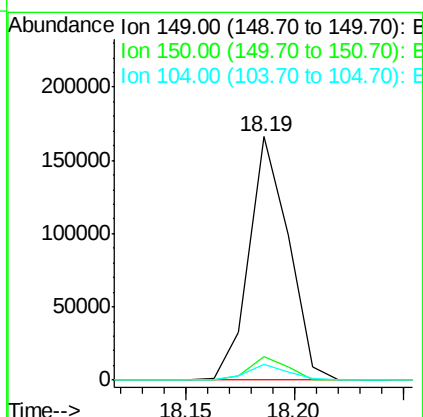
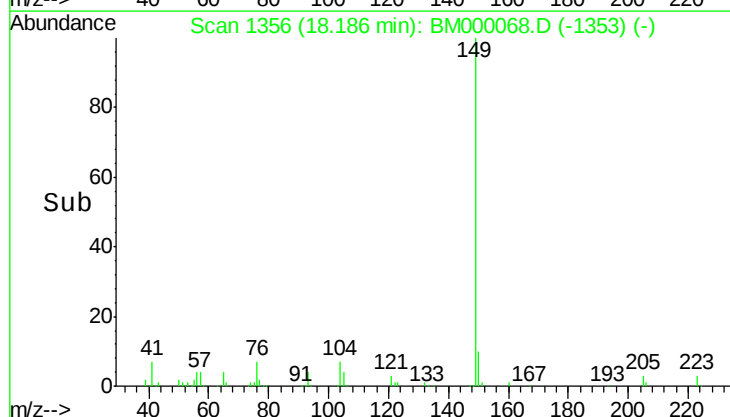
Tgt Ion:149 Resp: 211527

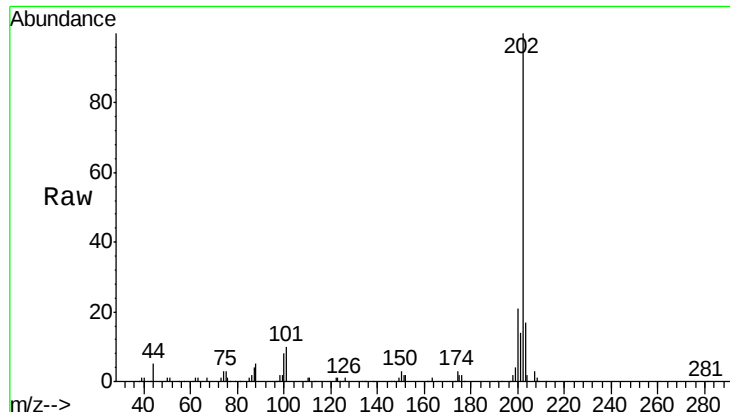
Ion Ratio Lower Upper

149 100

150 9.5 7.1 10.7

104 6.6 4.8 7.2





#74

Fluoranthene

Concen: 2.48 ng/ul

RT: 19.27 min Scan# 1451

Delta R.T. -0.01 min

Lab File: BM000068.D

Acq: 29 Dec 2014 20:55

Instrument :

BNA_M

ClientSampleId :

MDL-Soil-2

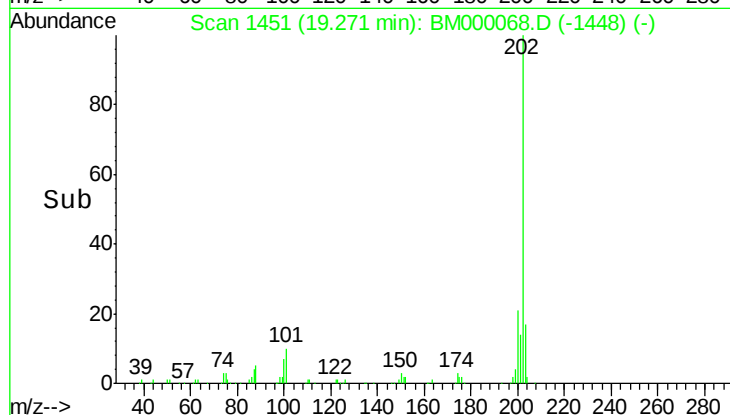
Tgt Ion:202 Resp: 243959

Ion Ratio Lower Upper

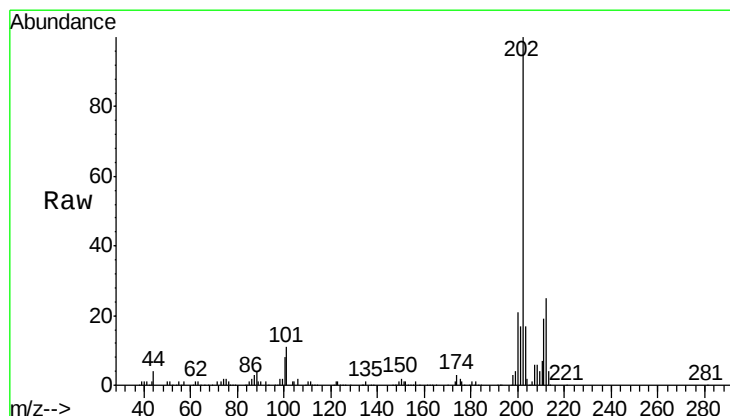
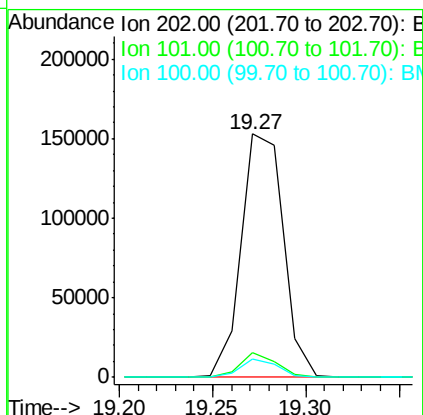
202 100

101 10.0 6.4 9.6#

100 7.6 4.6 7.0#



Scan 1451 (19.271 min): BM000068.D (-1448) (-)



#77

Pyrene

Concen: 2.76 ng/ul

RT: 19.64 min Scan# 1483

Delta R.T. -0.00 min

Lab File: BM000068.D

Acq: 29 Dec 2014 20:55

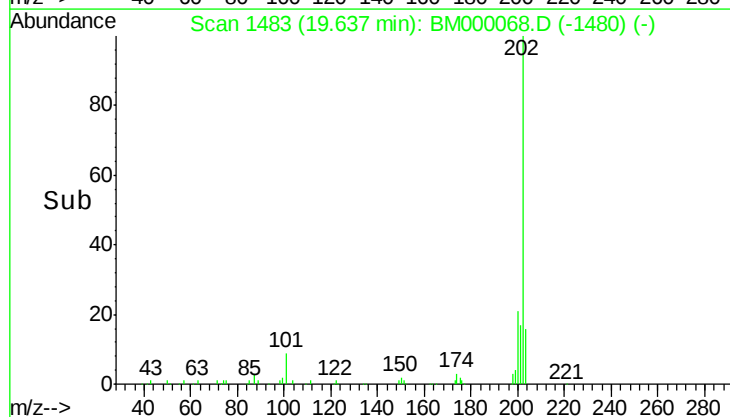
Tgt Ion:202 Resp: 250327

Ion Ratio Lower Upper

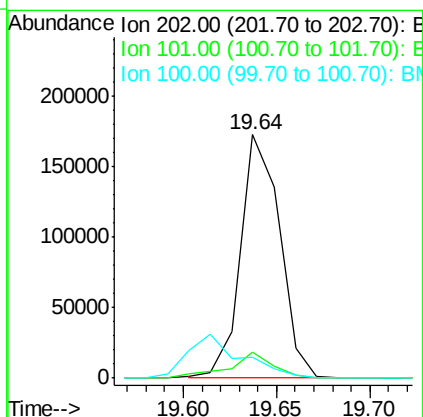
202 100

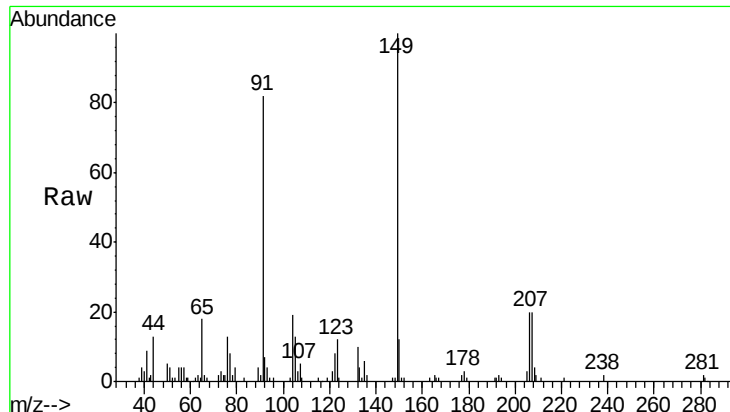
101 10.7 6.9 10.3#

100 8.4 5.5 8.3#



Scan 1483 (19.637 min): BM000068.D (-1480) (-)

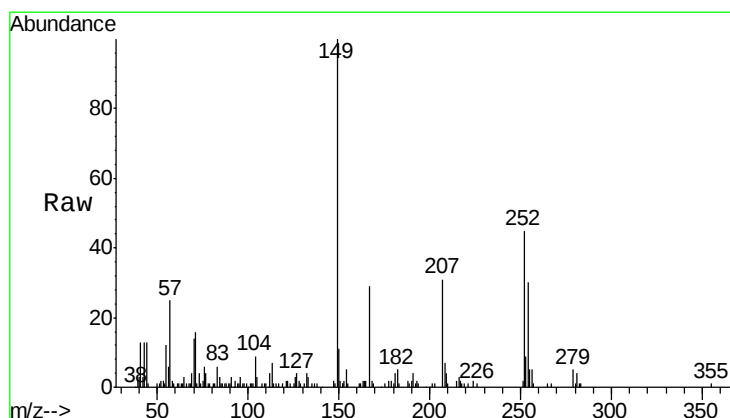
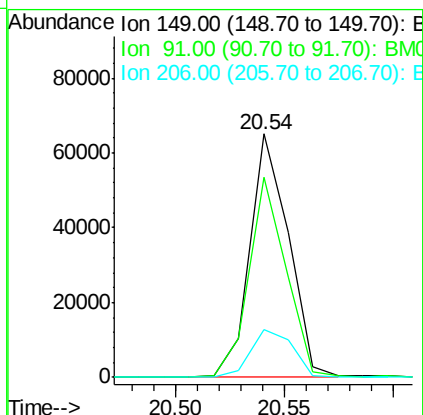
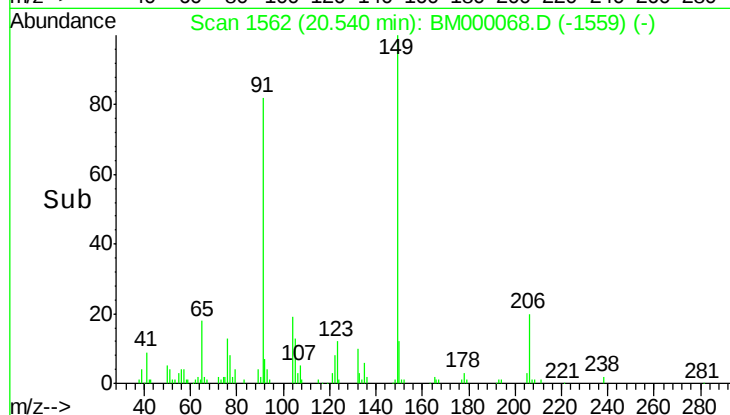




#78
Butylbenzylphthalate
Concen: 2.20 ng/ul
RT: 20.54 min Scan# 1562
Delta R.T. -0.00 min
Lab File: BM000068.D
Acq: 29 Dec 2014 20:55

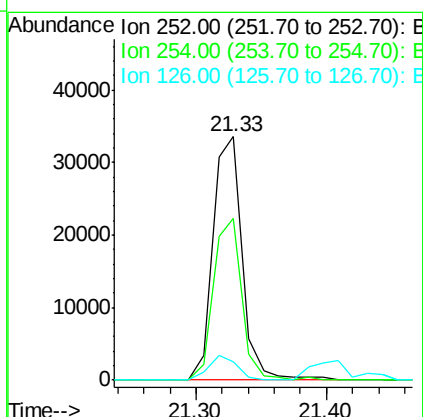
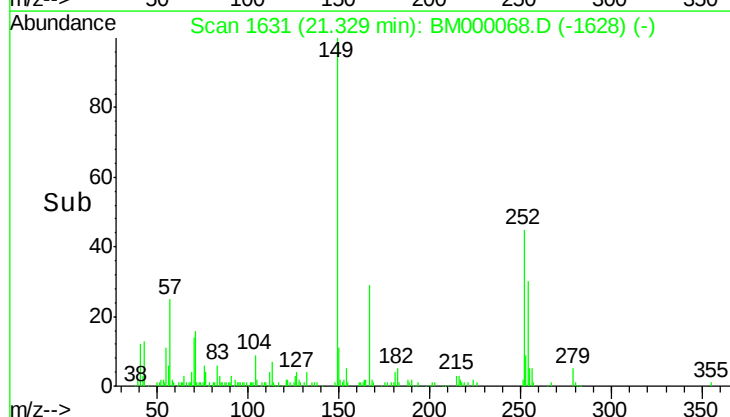
Instrument :
BNA_M
ClientSampleId :
MDL-Soil-2

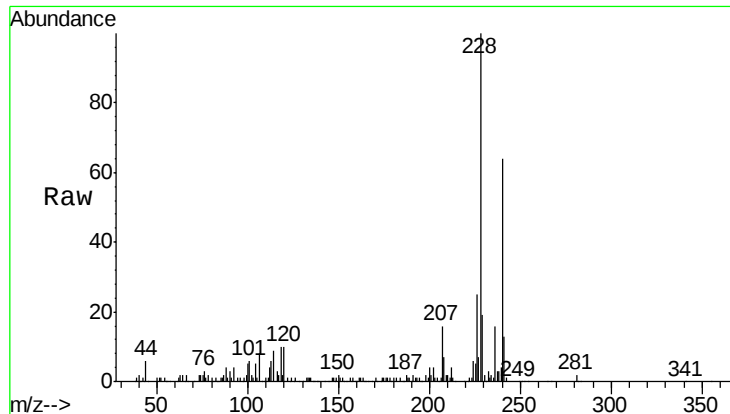
Tgt Ion:149 Resp: 81057
Ion Ratio Lower Upper
149 100
91 82.0 56.6 84.8
206 19.7 16.8 25.2



#79
3,3'-Dichlorobenzidine
Concen: 1.91 ng/ul
RT: 21.33 min Scan# 1631
Delta R.T. -0.00 min
Lab File: BM000068.D
Acq: 29 Dec 2014 20:55

Tgt Ion:252 Resp: 52593
Ion Ratio Lower Upper
252 100
254 66.3 51.2 76.8
126 7.7 7.9 11.9#

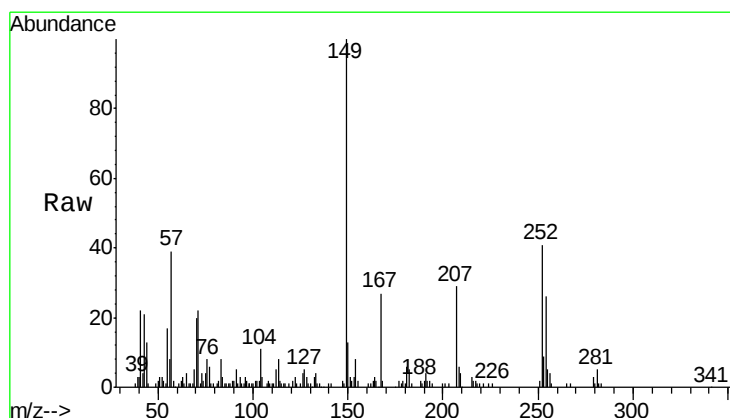
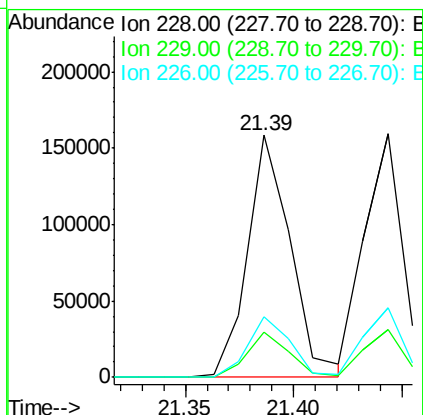
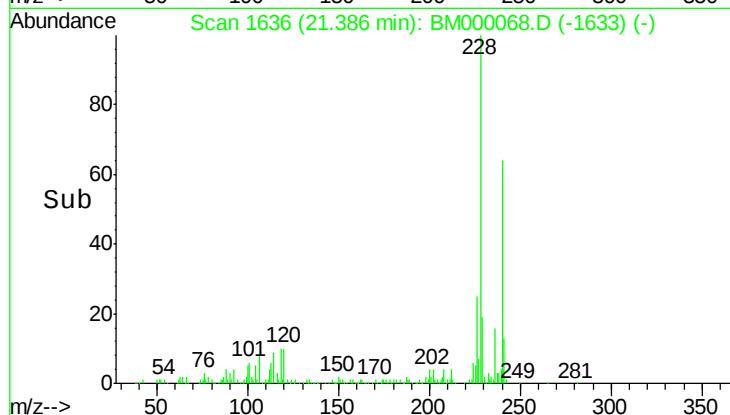




#80
Benzo(a)anthracene
Concen: 2.52 ng/ul
RT: 21.39 min Scan# 1636
Delta R.T. -0.00 min
Lab File: BM000068.D
Acq: 29 Dec 2014 20:55

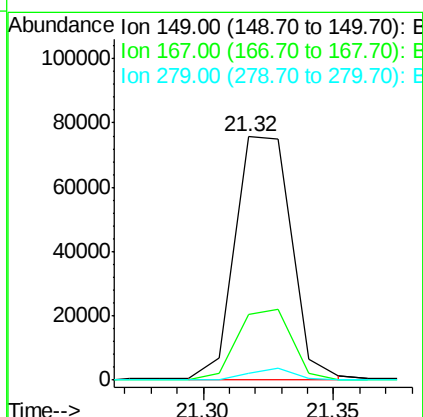
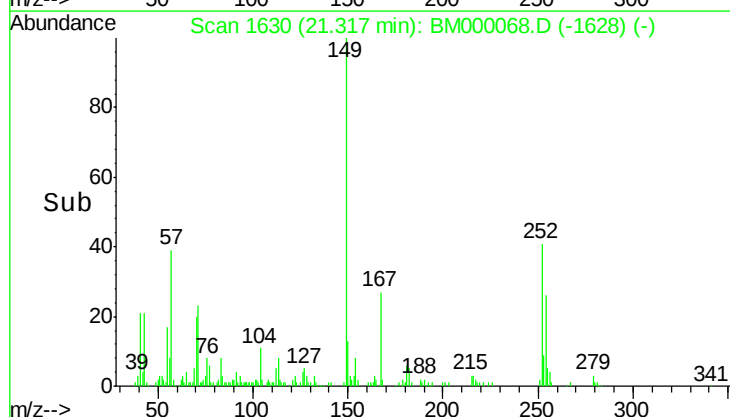
Instrument :
BNA_M
ClientSampleId :
MDL-Soil-2

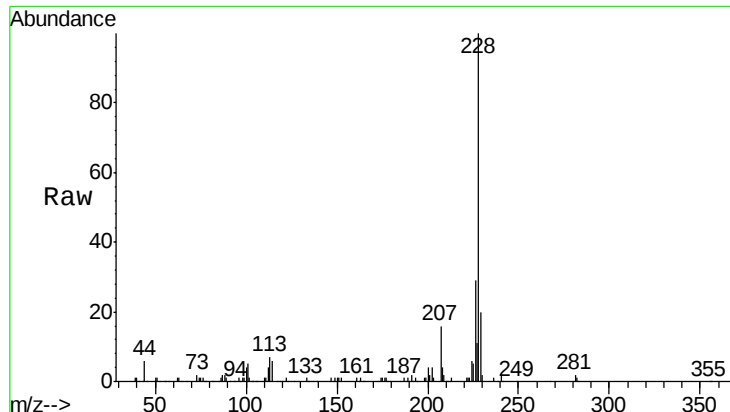
Tgt Ion:228 Resp: 218981
Ion Ratio Lower Upper
228 100
229 18.5 15.8 23.8
226 25.2 20.7 31.1



#81
Bis(2-ethylhexyl)phthalate
Concen: 2.09 ng/ul
RT: 21.32 min Scan# 1630
Delta R.T. -0.01 min
Lab File: BM000068.D
Acq: 29 Dec 2014 20:55

Tgt Ion:149 Resp: 112399
Ion Ratio Lower Upper
149 100
167 27.1 22.1 33.1
279 2.5 3.0 4.6#

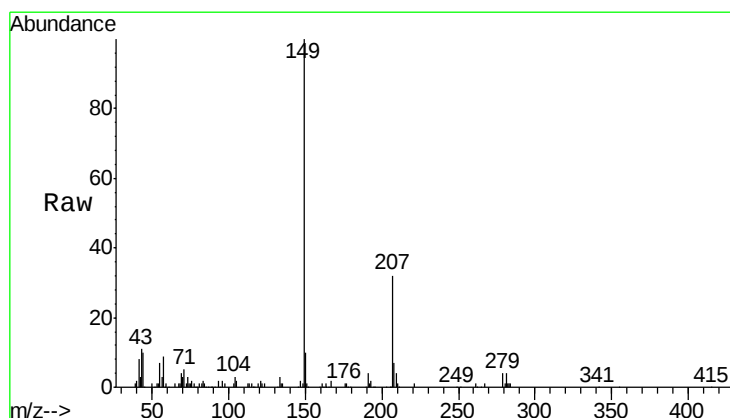
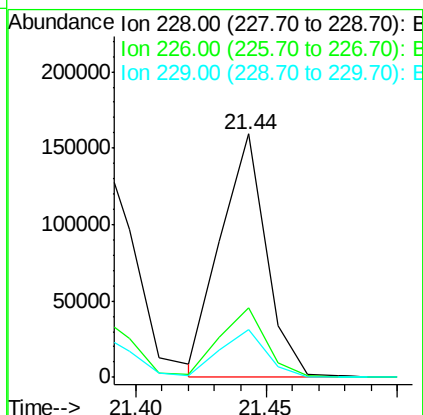
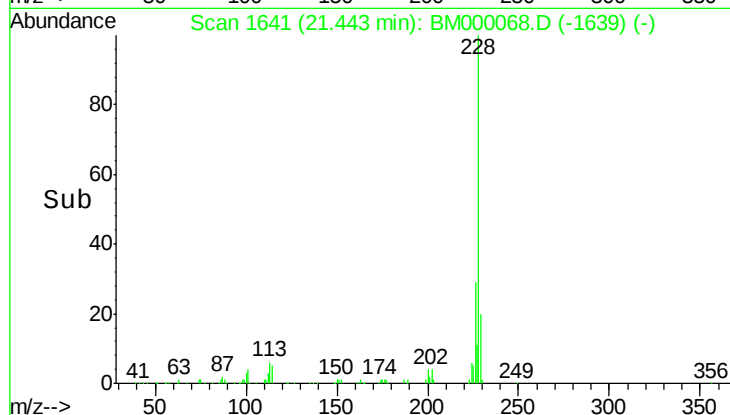




#82
Chrysene
Concen: 2.43 ng/ul
RT: 21.44 min Scan# 1641
Delta R.T. -0.00 min
Lab File: BM000068.D
Acq: 29 Dec 2014 20:55

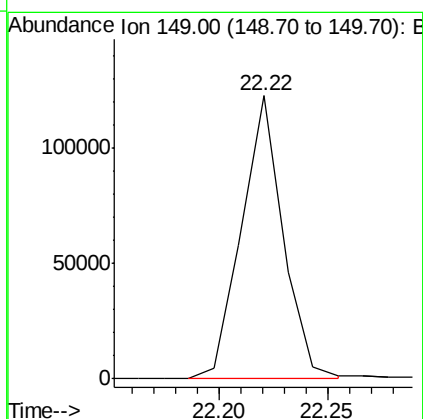
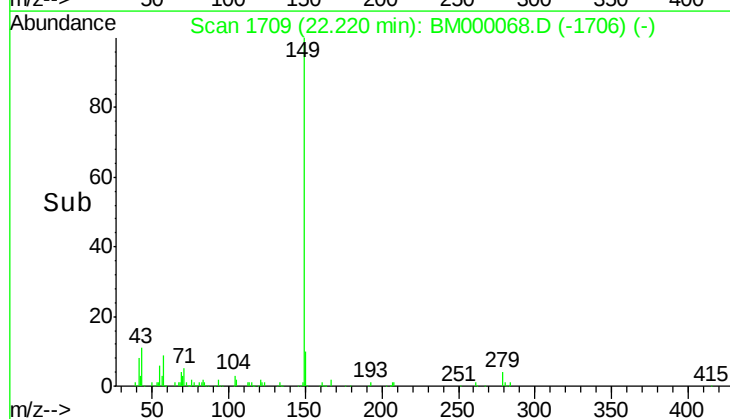
Instrument :
BNA_M
ClientSampleId :
MDL-Soil-2

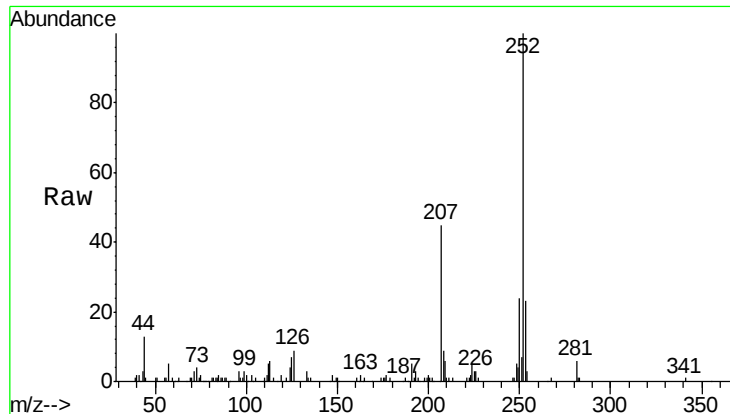
Tgt Ion:228 Resp: 195131
Ion Ratio Lower Upper
228 100
226 28.5 23.0 34.4
229 19.6 15.6 23.4



#84
Di-n-octyl phthalate
Concen: 1.99 ng/ul
RT: 22.22 min Scan# 1709
Delta R.T. -0.00 min
Lab File: BM000068.D
Acq: 29 Dec 2014 20:55

Tgt Ion:149 Resp: 160657





#85

Benzo(b)fluoranthene

Concen: 2.45 ng/ul

RT: 23.01 min Scan# 1778

Delta R.T. -0.00 min

Lab File: BM000068.D

Acq: 29 Dec 2014 20:55

Instrument :

BNA_M

ClientSampled :

MDL-Soil-2

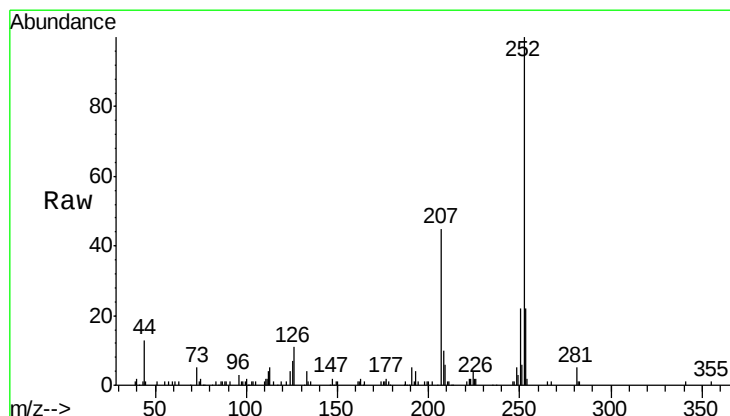
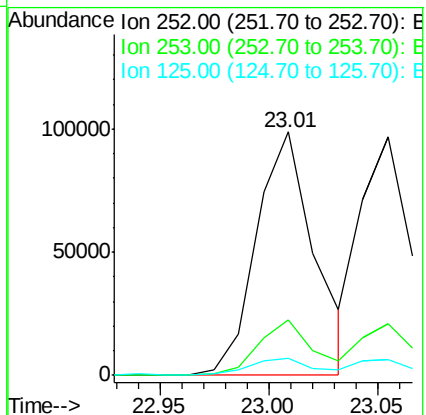
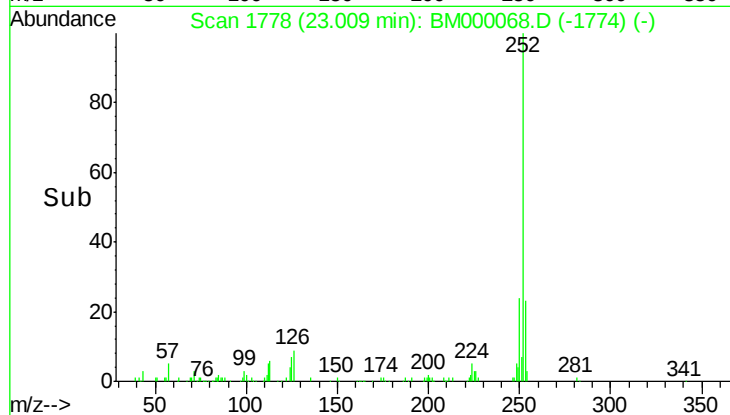
Tgt Ion:252 Resp: 183585

Ion Ratio Lower Upper

252 100

253 23.0 17.1 25.7

125 7.2 4.8 7.2



#86

Benzo(k)fluoranthene

Concen: 2.43 ng/ul

RT: 23.05 min Scan# 1782

Delta R.T. -0.00 min

Lab File: BM000068.D

Acq: 29 Dec 2014 20:55

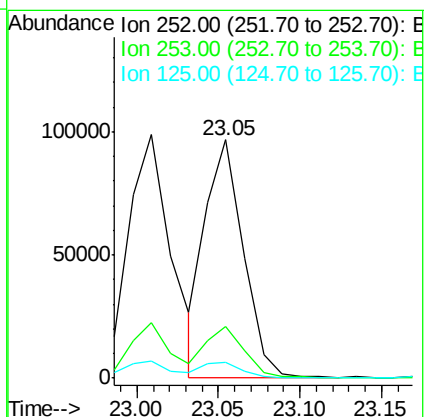
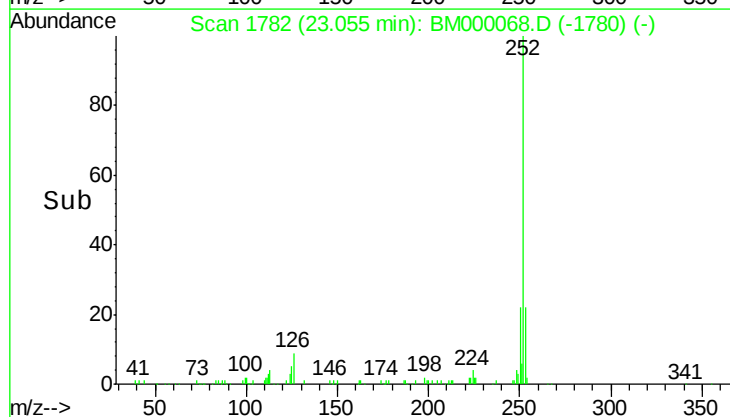
Tgt Ion:252 Resp: 155440

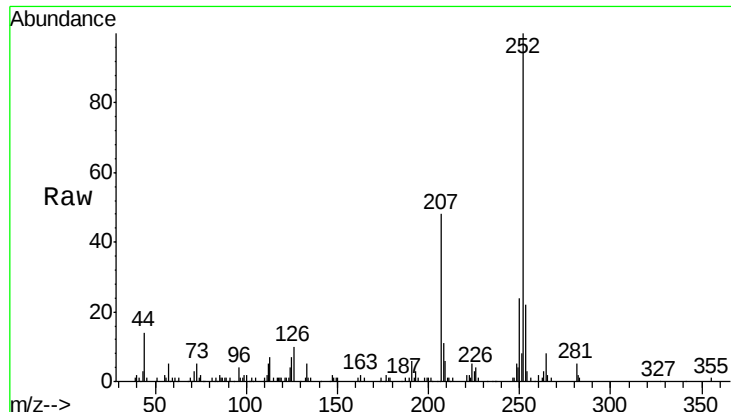
Ion Ratio Lower Upper

252 100

253 21.8 17.2 25.8

125 6.5 4.9 7.3

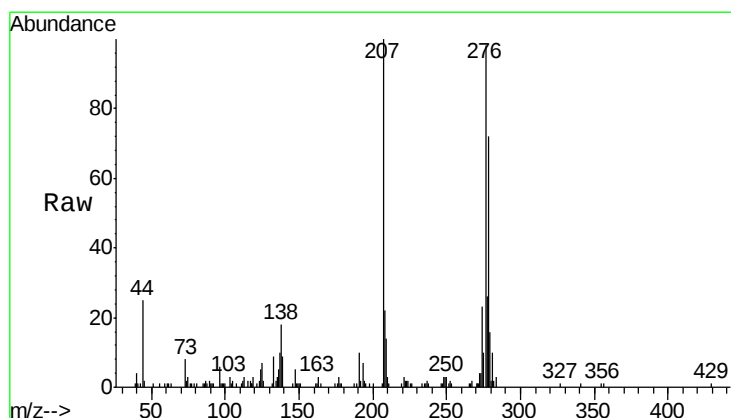
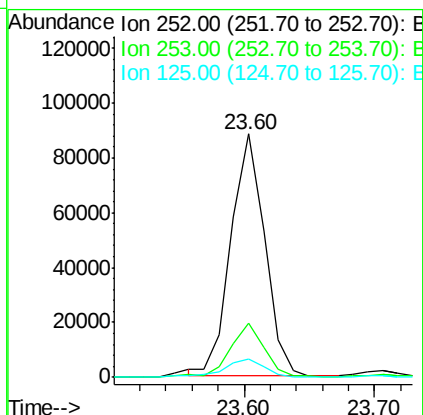
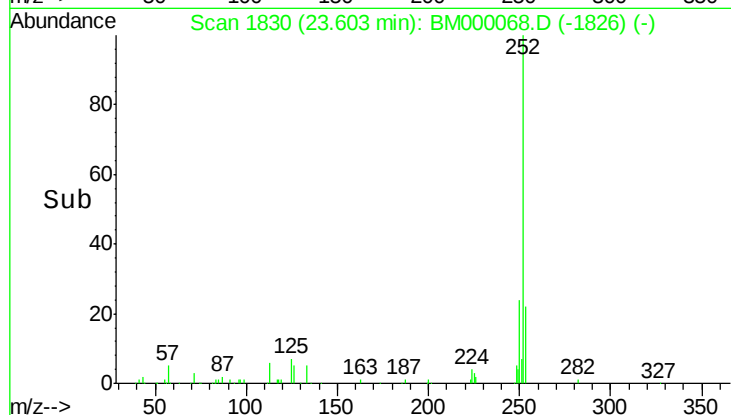




#88
Benzo(a)pyrene
Concen: 2.42 ng/ul
RT: 23.60 min Scan# 1830
Delta R.T. -0.00 min
Lab File: BM000068.D
Acq: 29 Dec 2014 20:55

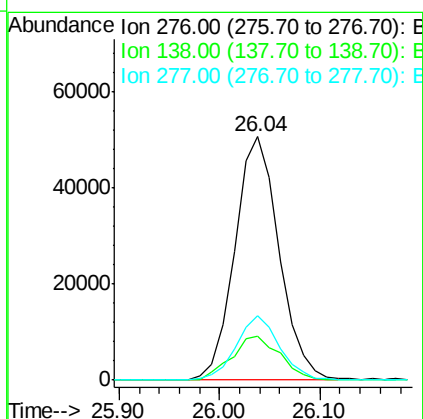
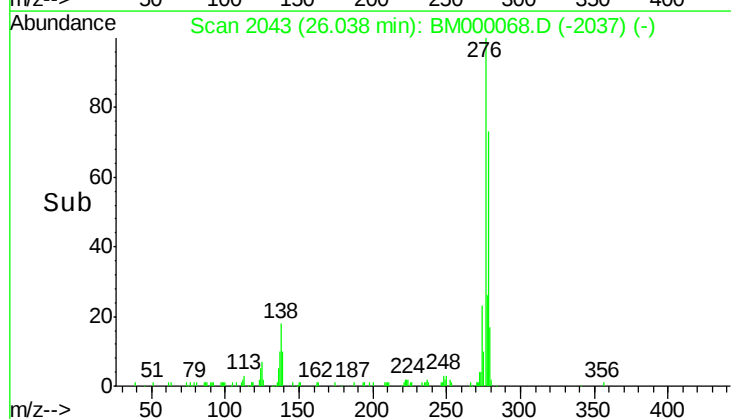
Instrument :
BNA_M
ClientSampleId :
MDL-Soil-2

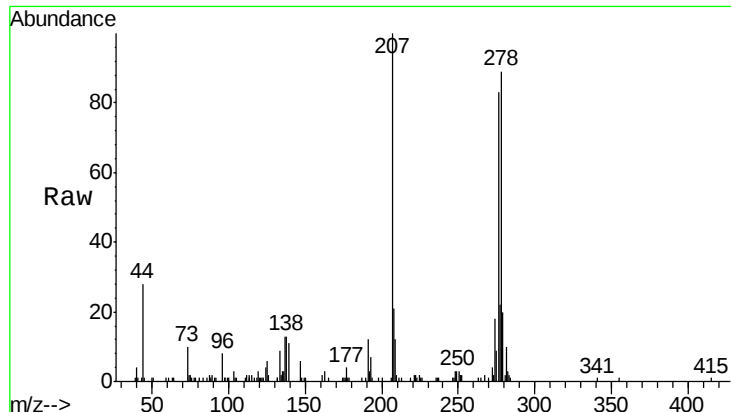
Tgt Ion:252 Resp: 158866
Ion Ratio Lower Upper
252 100
253 22.4 17.0 25.6
125 7.4 5.8 8.6



#89
Indeno(1,2,3-cd)pyrene
Concen: 2.25 ng/ul
RT: 26.04 min Scan# 2043
Delta R.T. -0.01 min
Lab File: BM000068.D
Acq: 29 Dec 2014 20:55

Tgt Ion:276 Resp: 154224
Ion Ratio Lower Upper
276 100
138 18.3 14.2 21.2
277 26.5 18.8 28.2

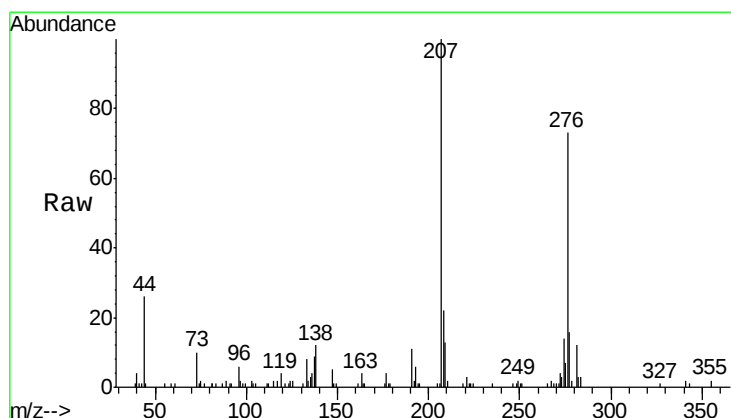
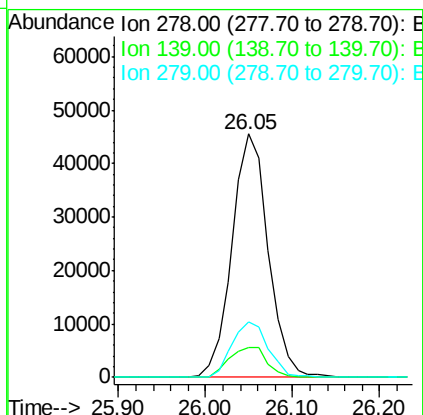
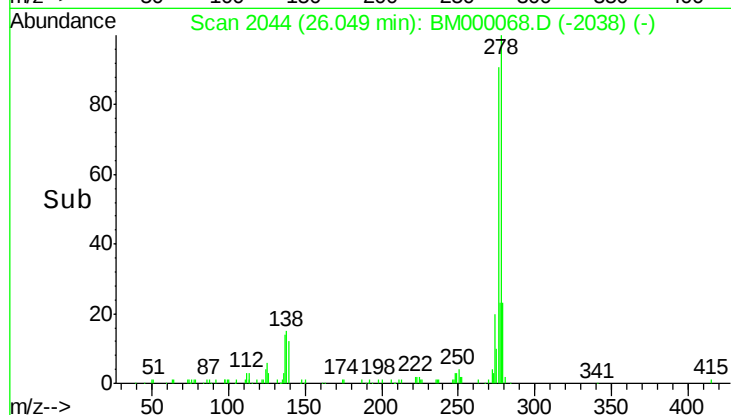




#90
 Dibenzo(a,h)anthracene
 Concen: 2.28 ng/ul
 RT: 26.05 min Scan# 2044
 Delta R.T. -0.01 min
 Lab File: BM000068.D
 Acq: 29 Dec 2014 20:55

Instrument :
 BNA_M
 ClientSampleId :
 MDL-Soil-2

Tgt Ion:278 Resp: 131738
 Ion Ratio Lower Upper
 278 100
 139 12.3 10.2 15.2
 279 22.7 19.2 28.8



#91
 Benzo(g,h,i)perylene
 Concen: 2.21 ng/ul
 RT: 26.76 min Scan# 2106
 Delta R.T. -0.00 min
 Lab File: BM000068.D
 Acq: 29 Dec 2014 20:55

Tgt Ion:276 Resp: 124736
 Ion Ratio Lower Upper
 276 100
 138 15.9 12.1 18.1
 277 21.8 19.0 28.4

